WKE MAY 2024

PROJECT | WITH: N//

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-03-73

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.	8	Structure Plans
Section	No.	9	Computer Farthwork Data

ection	No.	9	Comput	er	Earthwork	Data
ection	No.	9	Cross	Sec	tions:	

TOTAL SHEETS = 164

DESIGN DESIGNATION

CONVENTIONAL SYMBOLS

WOODED OR SHRUB AREA

		W BELOIT RD	S 55TH STREET
A.A.D.T. 2023	=	12,200	>100
A.A.D.T. 2043	=	13,500	>100
).H.V.	=	1,350	NZA
).D.	=	61/39	NZA
Γ.	=	6.9%	NZA
DESIGN SPEED	=	35 MPH	30 MPH
ESALS	=	1,300,000	NZA

MILWAUKEE

COUNTY:

PLAN corporate limits	///////	PROFILE grade line
PROPERTY LINE	PL +_5 <u>8.1</u>	ORIGINAL GROUND
LOT LINE		(To be noted as such)
LIMITED HIGHWAY EASEMENT	L	SPECIAL DITCH
EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE		GRADE ELEVATION
SLOPE INTERCEPT		CULVERT (Profile View)
REFERENCE LINE	8 0 0	
EXISTING CULVERT		FIBER OPTIC
(Box or Pipe)		GAS
	M	SANITARY SEWER
COMBUSTIBLE FEUIDS	-CÂUŤIÓN-	STORM SEWER
	V * ·	TELEPHONE
MARSH AREA		WATER
	(<u>*</u> *)	UTILITY PEDESTAL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C WEST ALLIS, W BELOIT ROAD

MOBILE ST - UP RR CROSS LOCAL STREET MILWAUKEE COUNTY



FILE NAME : X:\ML\2019\20190099\Design\Transportation\SheetsPlan\Railroad Sheets\010101_ti.dgn

POWER POLE

TELEPHONE POLE

Ø

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

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STATE PROJEC	т 📙	FEL	PERAL PRU	
		PR		CUNTRACT
2525-03-13		WISC	2024325	1
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		AC	CEPTED FO	JR
		CITY	ofWE	ST ALLIS
	1/18	/2024	Jani-	Genaloss
		(Date)	Principal	Engineer
			(Signature &	Title of Official)
	OF	(IGINAL F	LANS PRE	PARED BY
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4		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**************************************	Nº.
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		(Date)	(54	gnature)
		STAT	E OF WISCO	
	DEI	PARIMEN	I OF IRAN	SPURIATION
	Surv	YED BI	G	RAEF
	Desi	gner	G	RAEF
	Proj	ect Manager	MICHA	EL BAIRD
	Regio	onal Examiner	BRIAN	BOOTHBY
	C.O.	Examiner		
JIHE WISCONSIN JTH' ZONE, NAD27,				
	APPRO	VED FOR THE	Mill	1 Bail
/D29 - 580.56)	DATE: 1/	23/2024	(Sigh	oture)
				F
				15

GENERAL NOTES

2

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED FOR REMOVAL BY THE ENGINEER.

THE EXACT LOCATION OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM THE ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES OR FROM GRUBBING OF TREES OR STUMPS SHALL BE BACKFILLED WITH GRANULAR BACKFILL GRADE 1. BACKFILL GRANULAR MATERIAL IS INCIDENTAL TO THE REMOVAL ITEM.

THE LOCATION OF KNOWN EXISTING UTILITIES IN THE VICINITY OF THE PROJECT ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITIES IN THE AREA THAT ARE NOT SHOWN.

HMA PAVEMENT WHERE INDICATED ON THE PLANS, SHALL CONSIST OF LAYERS AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER.

6" DEPTH - 2" OF HMA PAVEMENT 4 MT 58-28 H AS THE UPPER LAYER 4" OF HMA PAVEMENT 3 MT 58-28 S AS THE LOWER LAYER

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

CONCRETE JOINTS SHALL MATCH ABUTTING PAVEMENT AND CURB AND GUTTER JOINTS UNLESS OTHERWISE DESIGNATED BY THE ENGINEER.

CONTRACTOR SHALL CONTACT UPRR PUBLIC PROJECTS MANAGER PRIOR TO ANY WORK WITHIN UPRR RIGHT-OF-WAY.

STANDARD ABBREVIATIONS

AEW

AGG BAD

BM C&G

CSD CY D

HMA

INV

L LHF LT MIN

PVI PVT R/L

R/W

RAD

SB SDD SE SF STA

Ŝ١ ŤC TLE

APRON END WALL AGGREGATE BASE AGGREGATE DENSE BENCH MARK CURB AND GUTTER CENTER OR CONSTRUCTION LINE CONCRETE C/L CONC CP CPCM CPRC CULVERT PIPE CULVERT PIPE CORRUGATED METAL CULVERT PIPE CORRUGATED CONCRETE CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CORRUGATED STEEL CULVERT PIPE CORRUGATED STEEL PIPE ARCH CONCRETE SURFACE DRAIN CPRCHE CSCP CUBIC-YARD DEGREE OF CURVE DISCH FE HERCP DISCHARGE FIELD ENTRANCE HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE HOT MIX ASPHALT NUT MIX ASPHALT INVERT LENGTH OF CURVE LEFT HAND FORWARD LEFT MINIMUM MATCHLINE M/L NB NC PAVT PB PC PC PE PLE PLE PVC NORMAL CROWN NOT TO SCALE PAVEMENT PAVEMENT PULL BOX POINT-OF-CURVE POINT-OF-CURVE PRIVATE ENTRANCE POINT OF INTERSECTION PERMANENT LIMITED EASEMENT POINT OF TANGENT POINT OF VERTICAL CURVE POINT OF VERTICAL CURVE POINT OF VERTICAL TANGENT RADIUS OF CURVE REFERENCE LINE RIGHT OF WAY RIGHT OF WAY RADIUS REVERSE CROWN RC RCAEW REVERSE CROWN APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL STORM SEWER REINFORCED CONCRETE PIPE - STORM SEWER REQUIRED RIGHT HAND FORWARD RUN OFF LENGTH DIGUT RCHESS RCPSS REQD RHF RO RT SALV RIGHT RIGHT SALVAGED SIGNAL BASE STANDARD DETAIL DRAWING SUPER ELEVATION SQUARE FOOT STATION SQUARE YARD TANGENT LENGTH TEMPORARY LIMITED EASEMENT

CITY OF WEST ALLIS

TRACIGENGLER CITY OF WEST ALLIS ENGINEERING DEPARTMEN 7525 W GREENFIELD AVENUE WEST ALLIS, WI 53214 (414) 302-8372 TGENGLER@WESTALLISWI.GOV

DESIGN CONTACT

BOB STEUCK GRAEF 275 W WISCONSIN AVENUE, SUITE 300 MILWAUKEE, WI 53203 (414) 266-9293 BOB.STEUCK@GRAEF-USA.COM

DEPT OF NATURAL RESOURCES

RYAN PAPPAS MISCONSIN DEPT. OF NATURAL RESOURCES 1027 WEST ST PAUL AVENUE MLWAUKEE, WL53233 (414) 750-7495 RYAN.PAPPAS@WISCONSIN.GOV

MILW COUNTY TRANSIT SYSTE

DAVID LOCHER MCTS (BUS STOPS) 1942 N.17TH STREET MILWAUKEE, WI 53205 (414) 343-1727 DLOCHER@MCTS.ORG

ARMOND SENSABAUGH MCTS (DETOURS) 1942 N. 17TH STREET MILWAUKEE, WI 53205 (414) 343-1728 ASENSABAUGH@MCTS.ORG

UNION PACIFIC RAILROAD

PATRICK HALSTED DIR.INDUSTRY & PUBLIC PROJECTS UNION PACIFIC RAILROAD CO. 1416 DODGE STREET - STOP 0910 OMAHA, NE 68179 (402) 271-4357

	INDEX	OF	DETAIL	SHEETS	
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GENERAL NOTES PROJECT OVERVIEW TYPICAL SECTIONS CONSTRUCTION DETAILS REMOVAL PLAN PLAN DETAIL CURB RAMP DETAIL PAVEMENT GRADES EROSION CONTROL UTILITY PLAN SANITARY SEWER WATER MAIN LANDSCAPE PLAN PERMANENT SIGNING LIGHTING PLAN PAVEMENT MARKING TRAFFIC CONTROL AND CONSTRUCTION STAGING DETOUR PLAN ALIGNMENT PLAN



PROJECT NO:2525-03-73	HWY:W BELOIT ROAD	COUNTY: MILWAUKEE	GENERAL NOTES	
FILE NAME : X:\ML\2019\20190099\Design\Transportation\Sheets	Plan\Railroad Sheets\020101_gn.dgn	PLOT DATE : 1/31/2024	PLOT BY : GRAEF	PLOT NAME :

ENT	AT&T LOCAL NETWORK DALE DEFEVER 1000 TOWN CENTER, SUITE 150 SOUTHFIELD, MI 48075 (586) 242-2671 DD2579@ATT.COM	2
	AT&T WISCONSIN NATHAN GILBERT 411 7TH STREET RACINE, WI53403 (262) 720-8235 NG952W@ATT.COM	
<u>S</u>	LUMEN BRAHIM GADDOUR 3235 INTERTECH DRIVE, SUITE 600 BROOKFIELD, WI 53045 (414) 908-6713; (414) 704-1026 (MOBILE) BRAHIM.GADDOUR@LUMEN.COM	
	MIDWEST FIBER NETWORKS CORY SCHMUKI 6070 N FLINT ROAD GLENDALE, WI 53209 (414) 459-3561; MOBILE (414) 349-2764	
<u>.</u> M	SPECTRUM KEVIN WEHRHAHN 1320 N. MARTIN LUTHER KING JR. DRIVE MILWAUKEE, WI 53212 (414) 908–4865; MOBILE (414) 430–9356 KEVIN.WEHRHANH@CHARTER.COM	
	SPRINT COMMUNICATIONS STEVE HUGHES 1457 COUNTY ROAD 545 S SKANDIA, WI49885 (814) 553-2300 SHUGHES@COGENTCO.COM	
	VERIZON RJ CICATELLO 15725 WEST RYERSON ROAD NEW BERLIN, WI 53151 (262) 232-1323 RANDY.CICATELLO@VERIZON.COM	
	WE ENERGIES (ELECTRIC) TRAVIS BANGART 500 S 16TH STREET WEST ALLIS, WI 53214 (414) 944-5634; MOBILE (414) 313-6479 TRAVIS.BANGART@WE-ENERGIES.COM	
	WE ENERGIES (GAS OPERATIONS) BRADLEY ENGNATH 500 S 16TH STREET WEST ALLIS, WI 53214 (414) 944-5767; MOBILE (414) 588-7641 BRADLEY.ENGNATH©WE-ENERGIES.COM	
	WEST ALLIS - SANITARY TIM LAST 6300 MCGEOCH AVENUE WEST ALLIS, WI53219 (414) 302-8815 TLAST@WESTALLISWI.GOV	
	WEST ALLIS - WATER KARYN RITTENHOUSE 6300 MCGEOCH AVENUE WEST ALLIS, WI53219 (414) 302-8828; MOBILE (414) 975-6480 KRITTENHOUSE@WESTALLISWI.GOV	
	OTHER CONTACTS	
	WEST ALLIS - STREET LIGHTING DON MOLLESON 6300 MCGEOCH AVENUE WEST ALLIS,WI53219 (414) 302-8873:MOBILE (414) 239-4751 DMOLLESON@WESTALLISWI.GOV	
	SHEET	E
PLOT	SCALE : 200.0000 sf / in.	

WISDOT/CADDS SHEET 42





TYPICAL EXISTING SECTION

STA 43+50 TO STA 43+75 STA 46+30 TO STA 46+50



PROJECT NO:2525-03-73	HWY:W BELOIT ROAD	COUNTY: MILWAUKEE	TYPICAL SECTIONS
FILE NAME : X:\ML\2019\20190099\Design\Transportation\Sheets	Plan\Railroad Sheets\020301_ts.dgn	PLOT DATE : 12/28/2023	PLOT BY : \$\$plotuser\$\$ PLOT NAME :

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W MOBILE STREET

PROJECT NO:2525-03-73	HWY:W BELOIT ROAD	COUNTY: MILWAUKEE	TYPICAL SECTIONS
FILE NAME : X:\ML\2019\20190099\Design\Transportation\Shee	tsPlan\Railroad Sheets\020301_ts.dgn	PLOT DATE : 12/28/2023	PLOT BY : \$\$plotuser\$\$ PLOT NAME :

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PLOT SCALE : \$\$plotscale	^{\$\$} wisdot/cadds shee	т 42







TYPICAL FINISHED SECTION

STA 44+46 TO STA 45+29

PROJECT NO:2525-03-73	HWY:W BELOIT ROAD	COUNTY: MILWAUKEE	TYPICAL SECTIONS
FILE NAME : X:\ML\2019\20190099\Design\Transportation\SheetsPlan\Railroad Sheets\020301_ts.dgn		PLOT DATE : 12/28/2023	PLOT BY : \$\$plotuser\$\$ PLOT NAME :

E SHEET PLOT SCALE : \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42







FILE NAME : X:\ML\2019\20190099\Design\Transportation\SheetsPlan\Railroad Sheets\020301_ts.dgn

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

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POINT NUMBER	STATION	OFFSE	T	DESCRIPTION
601	43+50.00	22.00	LT	BEGIN CURB AND GUTTER
602	43+55.00	15.00	LT	CENTER OF 13' R SIDEWALK ARC
603	43+70.00	21.00	LT	CURB & GUTTER/PAVEMENT ANGLE POINT
604	44+34.88	21.00	LT	END CONCRETE PAVEMENT/ BEGIN ASPHALT
605	44+53.83	21.00	LT	END CURB & GUTTER
606	43+55.00	0.00	LT	CENTER 5' RADIUS SLOPE NOSE
607	44+62.70	1.00	LT	CENTER 4' RADIUS SLOPE NOSE
608	44+63.74	1.00	RT	CENTER 4' RADIUS SLOPE NOSE
609	43+50.00	22.00	RT	BEGIN CURB AND GUTTER
610	43+60.00	16.00	RT	CENTER OF 13' R SIDEWALK ARC
611	43+70.00	21.00	RT	CURB & GUTTER/PAVEMENT ANGLE POINT
612	44+08.50	21.00	RT	BEGIN 15' C&G RADIUS
613	44+08.50	36.00	RT	CENTER OF 15' C&G RADIUS
614	44+12.80	40.00	RT	MATCH EXISTING CONCRETE DRIVEWAY
615	44+21.84	29.15	RT	END 15' C&G RADIUS
616	170+63.60	20.00	RT	MATCH EXISTING CONCRETE SIDEWALK
617	170+97.74	11.00	RT	END CURB & GUTTER
618	170+97.74	0.00	RT	END CONSTRUCTION / MATCH EXISTING
619	170+97.74	15.00	LT	BEGIN CURB AND GUTTER
620	170+55.87	15.00	LT	BEGIN 15' C&G RADIUS
621	44+71.45	36.00	RT	CENTER OF 15' C&G RADIUS
622	44+59.71	26.67	RT	END CONCRETE PAVEMENT/ BEGIN ASPHALT
623	44+71.45	21.00	RT	END 15' C&G RADIUS

POINT NUMBER	STATION	OFFSET		DESCRIPTION
624	44+78.09	21.00	RT	END CURB & GUTTER
625	44+71.45	36.00	RT	CENTER OF 15' C&G RADIUS
626	44+98.09	44.67	LT	BEGIN 25' R SIDEWALK ARC
627	45+16.00	41.91	LT	END 25' R SIDEWALK ARC
628	45+26.80	35.68	LT	BEGIN 20' R SIDEWALK ARC
629	45+36.80	53.00	LT	CENTER OF 20' R SIDEWALK ARC
630	45+36.80	33.00	LT	END 20' R SIDEWALK ARC
631	44+96.65	21.00	LT	BEGIN CURB AND GUTTER
632	45+03.50	20.26	LT	CENTER OF 25' R SIDEWALK ARC
633	45+17.98	21.00	LT	END ASPHALT PAVEMENT/ BEGIN CONCRETE
634	46+40.00	16.00	LT	CENTER OF 13' R SIDEWALK ARC
635	46+50.00	21.00	LT	END CURB & GUTTER
636	45+10.36	1.00	LT	CENTER 4' RADIUS SLOPE NOSE
637	45+11.40	1.00	RT	CENTER 4' RADIUS SLOPE NOSE
638	46+20.00	0.00	RT	CENTER 5' RADIUS SLOPE NOSE
639	45+20.91	21.00	RT	BEGIN CURB AND GUTTER
640	45+39.85	21.00	RT	END ASPHALT PAVEMENT/ BEGIN CONCRETE
641	45+75.00	15.00	RT	CENTER OF 13' R SIDEWALK ARC
642	46+44.00	15.00	RT	CENTER OF 13' R SIDEWALK ARC
643	46+50.00	21.00	RT	END CURB & GUTTER
644	45+33.44	32.00	RT	CONCRETE SIDEWALK ANGLE POINT
645	45+75.78	34.55	RT	CENTER OF 5' R SIDEWALK ARC

PROJECT NO:2525-03-73	HWY:W BELOIT ROAD	COUNTY: MILWAUKEE	PLAN DETAIL
FILE NAME : X:\ML\2019\20190099\Design\Transportation\Sheet	plan\Railroad Sheets\021201_pd.dgn	PLOT DATE : 12/28/2023	PLOT BY : \$\$plotuser\$\$ PLOT NAME :

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FILE NAME : X:\ML\2019\20190099\Design\Transportation\SheetsPlan\Railroad Sheets\021202_pd.dgn

PLOT DATE : 12/28/2023

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

end			
$\left< \begin{array}{c} PAV \\ 1 \end{array} \right>$	8" CONCRETE PAVEMENT, OVER 6" BASE AGGREGATE DENSE 1½-INCH, OVER 12" BREAKER RUN & GEOGRID	N	2
$\left< \begin{array}{c} PAV \\ 2 \end{array} \right>$	8" CONCRETE PAVEMENT OVER EXISTING BASE		
$\left< \begin{array}{c} PAV \\ 3 \end{array} \right>$	6" HMA PAVEMENT, OVER 13" BASE AGGREGATE DENSE 11/4-INCH	A	
$\left< \begin{array}{c} PAV \\ 4 \end{array} \right>$	6" HMA PAVEMENT OVER EXISTING BASE		
	CURB RAMP TYPE (SEE DETAIL)		
	POINT NUMBER		
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	PROJECT NO: 2525-03-73	HWY: W BELOIT ROAD	COUNTY: MILWAUKEE	LIGHTING DETAILS
	FILE NAME : X:\ML\2019\20190099\Design\Transportation\Sheets	Plan\Railroad Sheets\023502_lp.dgn	PLOT DATE : 12/28/2023	PLOT BY : \$\$plotuser\$\$ PLOT NAME :





2.) CONDUIT TO BE PLACED WITHIN A 6" AREA DIRECTLY BEHIND CURB, UNLESS NOTED OR APPROVED BY ENGINEER.

1.) KEEP AREA BEHIND CURB FREE OF DEBRIS AND CONCRETE OVERPOUR.

NOTE:

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PLOT SCALE : \$\$plotscale	^{\$\$} wisdot/cadds shee	т 42











- ORANGE.

- IN THE FIELD.

10. MAINTAIN ACCESS TO DRIVEWAYS DURING CONSTRUCTION, FOR PROPERTIES WITH MULTIPLE DRIVEWAYS, ONLY ONE DRIVEWAY CAN BE CLOSED/WORKED ON AT ANY TIME.

PLOT SCALE : 10.0000 sf / in.

PROJECT NO:2525-03-73	HWY:W BELOIT ROAD	COUNTY: MILWAUKEE	TRAFFIC CONTROL -	- TYPICAL SECTION & (
FILE NAME : X:\ML\2019\20190099\Design\Transportation\Sheets	sPlan\Railroad Sheets\025001_tc.dgn	PLOT DATE : 2/28/2024	PLOT BY : GRAEF	PLOT NAME :

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DETOUR PEDESTRIANS AROUND PROJECT_WORK_ZONE. SEE DETOUR PLANS FOR ADDITIONAL INFORMATION. (TYPICAL)

TRAFFIC CONTROL NOTES

1. MAINTAIN ACCESS FOR EMERGENCY VEHICLES AND LOCAL TRAFFIC ON BELOIT ROAD AT ALL TIMES.

2. THE CONTRACTOR SHALL COVER ANY SIGN CONFLICTING WITH THE TRAFFIC CONTROL IN OPERATION AS NEEDED OR AS DIRECTED BY THE ENGINEER. COVERING OF SIGNS IS INCLUDED IN "TRAFFIC CONTROL COVERING SIGNS TYPE II" ITEM.

3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY BARRICADES, SIGNS, LIGHTS, TEMPORARY MARKINGS, FLAGMEN, AND SAFETY DEVICES AS CALLED FOR ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

4. DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTOR'S METHODS OR SEQUENCES OF OPERATION.

5. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS

6. ALL SIGNS ARE 48" X 48" EXCEPT OTHERWISE NOTED.

ANY "STOP" SIGNS THAT ARE REMOVED FOR A CONSTRUCTION OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED.

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

9. BOTH STEADY BURN LIGHTS AND FLASHING LIGHTS SHALL BE ONE WAY WITH THE LIGHT SOURCE SHOWING TOWARDS ADJACENT APPROACHING TRAFFIC.

GENERAL NOTES

SHEET

WISDOT/CADDS SHEET 42

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			E	Estimate Of C	luantities	
					2525-03-73	
Line	Item	Item Description	Unit	Total	Qty	
0002	204.0100	Removing Concrete Pavement	SY	1,263.000	1,263.000	
0004	204.0110	Removing Asphaltic Surface	SY	106.000	106.000	
0006	204.0150	Removing Curb & Gutter	LF	112.000	112.000	
8000	204.0155	Removing Concrete Sidewalk	SY	447.000	447.000	
0010	204.0195	Removing Concrete Bases	EACH	2.000	2.000	
0012	204.0215	Removing Catch Basins	EACH	1.000	1.000	
0014	204.0245	Removing Storm Sewer (size) 01. 24-Inch	LF	40.000	40.000	
0016	204.9060.S	Removing (item description) 01. Lighting Units	EACH	2.000	2.000	
0018	205.0100	Excavation Common	CY	1,668.000	1,668.000	
0020	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	157.000	157.000	
0022	213.0100	Finishing Roadway (project) 01. 2525-03-73	EACH	1.000	1.000	
0024	305.0110	Base Aggregate Dense 3/4-Inch	TON	54.000	54.000	
0026	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	778.000	778.000	
0028	311.0110	Breaker Run	TON	936.000	936.000	
0030	415 0080	Concrete Pavement 8-Inch	SY	1 056 000	1 056 000	
0032	415 4100	Concrete Pavement Joint Filling	SY	1,056,000	1,056,000	
0034	416.0610	Drilled Tie Bars	FACH	55,000	55 000	
0036	416.0620	Drilled Dowel Bars	EACH	61,000	61,000	
0038	455 0605	Tack Coat	GAL	15 000	15 000	
0030	460 2000	Incentive Density HMA Pavement		60.000	60.000	
0040	400.2000	HMA Payament 2 MT 58 28 S	TON	60.000	60.000	
0042	400.0223	HIMA Pavement 4 MT 59-20 5	TON	30,000	30,000	
0044	400.0424	Apphaltia Surface	TON	7 000	7 000	
0040	405.0105	Concrete Curb & Cuttor 21 Inch	ION	1 269 000	1 269 000	
0040	602.0410	Concrete Sidewalk 5 Inch	CLL CLL	2 420 000	2 420 000	
0050	602.0410	Curch Roma Detectable Warning Field Vallow	SF	3,439.000	3,439.000	
0052	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	101.000	101.000	
0054	602.0815	Concrete Driveway 7-Inch	SY	191.000	191.000	
0056	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000	
0058	611.8120.5	Cover Plates Temporary	EACH	3.000	3.000	
0060	618.0100	Maintenance and Repair of Haul Roads (project) 01. 2525-03-73	EACH	1.000	1.000	
0062	619.1000	Mobilization	EACH	1.000	1.000	
0064	620.0300	Concrete Median Sloped Nose	SF	141.000	141.000	
0066	624.0100	Water	MGAL	8.000	8.000	
0068	625.0100	Topsoil	SY	1,096.000	1,096.000	
0070	627.0200	Mulching	SY	740.000	740.000	
0072	628.1104	Erosion Bales	EACH	30.000	30.000	
0074	628.1504	Silt Fence	LF	100.000	100.000	
0076	628.1520	Silt Fence Maintenance	LF	100.000	100.000	
0078	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000	
0800	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000	
0082	628.7015	Inlet Protection Type C	EACH	11.000	11.000	
0084	628.7020	Inlet Protection Type D	EACH	10.000	10.000	
0086	628.7560	Tracking Pads	EACH	2.000	2.000	
0088	629.0210	Fertilizer Type B	CWT	0.700	0.700	
0090	630.0140	Seeding Mixture No. 40	LB	13.300	13.300	
0092	631.0300	Sod Water	MGAL	16.100	16.100	
0094	631.1000	Sod Lawn	SY	359.000	359.000	
0096	632.0101	Trees (species, root, size) 01. Hackberry, Prairie Sentinel, B&B, 2.5" Cal	EACH	2.000	2.000	
0098	632.0101	Trees (species, root, size) 02. Honeylocust, Streetkeeper, B&B, 2.5" Cal	EACH	3.000	3.000	
0100	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	15.000	15.000	
		,				

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Estimate Of Quantities

					2525-03-73	
Line	Item	Item Description	Unit	Total	Qty	
0102	637.2210	Signs Type II Reflective H	SF	20.700	20.700	
0104	637.2230	Signs Type II Reflective F	SF	32.500	32.500	
0106	638.2102	Moving Signs Type II	EACH	3.000	3.000	
0108	638.2602	Removing Signs Type II	EACH	8.000	8.000	
0110	638.3000	Removing Small Sign Supports	EACH	5.000	5.000	
0112	642.5001	Field Office Type B	EACH	1.000	1.000	
0114	643.0300	Traffic Control Drums	DAY	2,250.000	2,250.000	
0116	643.0420	Traffic Control Barricades Type III	DAY	1,923.000	1,923.000	
0118	643.0705	Traffic Control Warning Lights Type A	DAY	3,846.000	3,846.000	
0120	643.0900	Traffic Control Signs	DAY	11,724.000	11,724.000	
0122	643.0920	Traffic Control Covering Signs Type II	EACH	5.000	5.000	
0124	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000	
0126	643.5000	Traffic Control	EACH	1.000	1.000	
0128	644.1440	Temporary Pedestrian Surface Matting	SF	200.000	200.000	
0130	644.1810	Temporary Pedestrian Barricade	LF	180.000	180.000	
0132	645.0120	Geotextile Type HR	SY	75.000	75.000	
0134	645.0220	Geogrid Type SR	SY	1,558.000	1,558.000	
0136	646.1545	Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	LF	730.000	730.000	
0138	646.6120	Marking Stop Line Epoxy 18-Inch	LF	84.000	84.000	
0140	646.7120	Marking Diagonal Epoxy 12-Inch	LF	13.000	13.000	
0142	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	125.000	125.000	
0144	646.8120	Marking Curb Epoxy	LF	40.000	40.000	
0146	646.8220	Marking Island Nose Epoxy	EACH	4.000	4.000	
0148	650.4500	Construction Staking Subgrade	LF	300.000	300.000	
0150	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	227.000	227.000	
0152	650.7000	Construction Staking Concrete Pavement	LF	300.000	300.000	
0154	650.8501	Construction Staking Electrical Installations (project) 01, 2525-03-73	EACH	1.000	1.000	
0156	650,9000	Construction Staking Curb Ramps	EACH	6.000	6.000	
0158	650.9500	Construction Staking Sidewalk (project) 01, 2525-03-73	EACH	1.000	1.000	
0160	650.9911	Construction Staking Supplemental Control (project) 01, 2525-03-73	EACH	1.000	1.000	
0162	650,9920	Construction Staking Slope Stakes	LF	300.000	300.000	
0164	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	L F	333.000	333.000	
0166	652.0605	Conduit Special 2-Inch	LF	132.000	132.000	
0168	653.0115	Pull Boxes Steel 12x36-Inch	FACH	2.000	2.000	
0170	654.0105	Concrete Bases Type 5	FACH	2.000	2.000	
0172	655 0610	Electrical Wire Lighting 12 AWG	LF	246 000	246 000	
0174	655 0625	Electrical Wire Lighting 6 AWG	LF	1 491 000	1 491 000	
0176	657 0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	2 000	2 000	
0178	657 0322	Poles Type 5-Aluminum	EACH	2.000	2.000	
0180	657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	2.000	2.000	
0100	650 1125		EACH	2.000	2.000	
0184	659 5100 S	Lamp Ballast LED Switch Disposal by Department	EACH	2.000	2.000	
0186	690 0150	Sawing Asphalt	LACIT	145 000	145 000	
0188	690.0150	Sawing Asphan		351 000	351 000	
0190	715 0720	Incentive Compressive Strength Concrete Pavement		317 000	317 000	
0100	ASD 1TOA	On-the-loh Training Apprentice at \$5.00/HP		250.000	250.000	
0192		On the lob Training Apprenduce at \$5.00/HR	ЦРС	200.000	230.000	
0194	SDV 0060	Special 01. Round Steel Sign Deet System	EACH	7 000	7 000	
0190	SP V.0000	Special 01. Noulid Steel Sign FUSL System Special 02. Marking Symbol Grooved Bike Lang Prefermed Thermonicatio		2.000	2.000	
0200	SP V.0000	Special 02. Marking Symbol Glouved Bike Lane Freidinieu Interniopiastic		3.000	3.000	
0200	SF V.0000	Special US. Marking Arrow Grooved bike Lane Preformed ThermopidStic	EACH	3.000	3.000	

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			E	stimate Of Q	uantities	
					2525-03-73	
Line	Item	Item Description	Unit	Total	Qty	
0202	SPV.0060	Special 04. Adjust Water Valve Box	EACH	1.000	1.000	
0204	SPV.0060	Special 05. Water Main Connection 6-Inch	EACH	2.000	2.000	
0206	SPV.0060	Special 06. Adjust Sanitary Manhole Frame	EACH	2.000	2.000	
0208	SPV.0090	Special 01. Marking Stop Line Epoxy 24-Inch	LF	37.000	37.000	
0210	SPV.0090	Special 02. Water Main Relay 6-Inch	LF	47.000	47.000	
0212	SPV.0090	Special 03. Water Service Copper 2-Inch	LF	13.000	13.000	
0214	SPV.0090	Special 04. Building Sanitary Sewer 6-Inch	LF	15.000	15.000	
0216	SPV.0165	Special 01. High Friction Green Surfacing	SF	298.000	298.000	

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						REMOVING CONCRETE	SIDEWALK	
STREET	REMOVING CONCRET	TE PAVEMENT	204.0100 SY		STREET W. BELOIT RD	FROM STATION 43+50 -	TO STATION 46+50	204.0155 SY 369 70
W. BELOIT RD S. 55TH STREET	43+50 12+90	- 46+50 - 15+10 PROJECT TOTAL	1,125 138 1,263	5	. SSIM SIKEEI	12+90 -	PROJECT TOTAI	78 L: 447
						REMOVING CATCH	BASINS	
					STREET W. BELOIT RD PROJECT TO	STATION 44+06 DTAL	OFFSET 23' RT	204.0215 EACH 1 1
	REMOVING ASPHALT	IC SURFACE						
STREET W. BELOIT RD S. 55TH STREET	FROM 43+50 12+90	T0 - 46+50 - 15+10	204.0110 <u>SY</u> 0 106 106			REMOVING STORM	SEWER 2	204.0245.01
		PROJECT TOTAL	106		STREET	STATION - STATIO	N LOCATION	24-INCH LF
					W. BELOIT RD	44+06 - 44+46	6 RT	40
						Р	ROJECT TOTAL	40
						LIGHTING REMO	VAL	
	REMOVING CURB	& GUTTER	204.0150			204.0195 REMOVING CONCRETE BASES	204.9060.S REMOVING LIGHTING UNIT	659.5100.S LAMP, BALLAST, LED, SWITCH IS DISPOSAL BY DEPARTMENT
STREET	FROM STATION	TO STATION	LF	STATION	OFFSET	EACH	EACH	EACH
W. BELOIT RD S 55TH STDEET	43+50 12+00	- 46+50 - 15+10	75 37	44+14	LT	1	1	1
0. JJIN JINEEL	12 90	PROJECT TOTAL:	112	 45+49	RT	1	1	1
					TOTALS	2	2	2
							[·	ALL ITEMS CATEGORY 001 UNLESS OTHERWISE NOTE

			205. Excavatio (0100 Dn common 1)				EXPANDED FILL (6) CY	MASS		
				EBS	SALVAGED/UNUSABLE	AVAILABLE		FACTOR	ORDINATE		
			CUT	EXCAVATION	PAVEMENT MATERIAL	MATERIAL	UNEXPANDED		+/-		
			(2)	(3)	(4)	(5)	FILL		(7)	WASTE	
	FROM/TO STATION	LOCATION	CY	CY	CY	CY	CY	1.11	CY	CY	COMMENT
	43+50 to 46+50	BELOIT ROAD	1,353	0	393	960	52	58	902	902	
		55TH STREET	315	0	116	199	239	266	-66	-	PAVEMENT & BASE REMOVAL
GRAND TOTAL			1,668	0	508	1,159	291	323	836		
TOTAL COMMON EXC			1,0	668							

NOTES:

(1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH BREAKER RUN.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(6) EXPANDED FILL FACTOR = 1.11

(7) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

PROJECT NO: 2525-03-73	HWY: W. BELOIT ROAD	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITI	ES
FILE NAME :		PLOT DATE :	PLOT BY :	PLOT NAME :

3

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

SHEET:

PLOT SCALE : 1:1

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	EXCAVATION	N, HAULING, AND	DISPOSAL	. OF PETR	ROLEUM CONTAM	NINATED SOIL				BREAKE	R RUN			
													311.0	110
						205.0501.S		STREET	S	TATION	Т0	STATION	TON	
-	STREET	STATION	<u>[0 ST/</u>	ATION	OFFSET	TON	, v	. BELOIT RD	4	43+50	-	46+50	936	i
-	W. BELOIT RD	43+50	- 44	4+20	RT	157	S,	55TH STREET		12+90	-	15+10	0	
				PROJI	ECT TOTAL	157						PROJECT TOTA	L 936	j
	V	FINISHING LOCATION N. BELOIT RD PROJECT TOTAL		(2525-0 213 E/	03-73) .0100 <u>ACH</u> 1 1			STREET W. BELOIT RD S. 55TH STREET	STATION 43+50 12+90	CONCRE TO - PR	ETE PAVEME Station 46+50 15+10 Oject tot	ENT 415.008 CONCRET PAVEMEN 8-INCH SY 1,029 27 AL 1,056	30 415.4 TE CONCRI NT PAVEMI 1 JOINT FI SY 1,02 27 1,05	00 TE NT LLING 9
						005 0440								
	STDEET	етат	TON	то	STATION	3U3.U11U TAN								
	JINEEL		50	-	46+50	54								
	W. BELOIT RD			_	15+10	0			. -					
	W. BELOIT RD S. 55TH STREET	12+	90	-					CO	NCRETE	DRIVEWAY	/-INCH		
	W. BELOIT RD S. 55TH STREET	12+	90	PR	OJECT TOTAL	54							446 0470	
	W. BELOIT RD S. 55TH STREET	12+	90	PR	OJECT TOTAL	54							418.0170 CONCRETE DRIVEWAY 7-INCH	
	W. BELOIT RD S. 55TH STREET	12+		PR(OJECT TOTAL	54		STREE	T	STATIO	N TO	STATION	418.0170 CONCRETE DRIVEWAY 7-INCH SY	- - - -
	W. BELOIT RD S. 55TH STREET	BASE AGGREG	90 ATE DENS	PR(OJECT TOTAL	54		STREE W. BELOI	T T RD	STATI0 43+50	<u>N TO</u> -	STATION 46+50	416.0170 CONCRETE DRIVEWAY 7-INCH SY 191	· · ·
	W. BELOIT RD S. 55TH STREET	BASE AGGREG	90 ATE DENS	PR(OJECT TOTAL	54 305.0120		STREE W. BELOI S. 55TH S	T T RD TREET	STATI0 43+50 12+90	<u>N TO</u> - -	STATION 46+50 15+10	416.0170 CONCRETE DRIVEWAY 7-INCH SY 191 0	-
	W. BELOIT RD S. 55TH STREET STREET	BASE AGGREG	90 ATE DENS	PR(SE 1 1/4 TO	OJECT TOTAL INCH STATION	54 305.0120 TON		STREE W. BELOI S. 55TH S	T T RD TREET	STATI0 43+50 12+90	<u>N TO</u> - - PR	STATION 46+50 15+10 OJECT TOTAL	416.0170 CONCRETE DRIVEWAY 7-INCH SY 191 0 191	- - -
	W. BELOIT RD S. 55TH STREET STREET W. BELOIT RD	BASE AGGREG	90 ATE DENS <u>(ON</u> 30	PR(SE 1 1/4 <u>T0</u>	OJECT TOTAL INCH STATION 46+50	54 305.0120 <u>TON</u> 770		STREE W. BELOI S. 55TH S	T T RD TREET	STATI0 43+50 12+90	<u>N TO</u> - - PR	<u>STATION</u> 46+50 15+10 OJECT TOTAL	416.0170 CONCRETE DRIVEWAY 7-INCH SY 191 0 191	-
	W. BELOIT RD S. 55TH STREET STREET W. BELOIT RD S. 55TH STREET	BASE AGGREG STAT 43+ 12+	90 ATE DENS <u>LON</u> 30 30	SE 1 1/4 TO -	OJECT TOTAL INCH <u>STATION</u> 46+50 15+10	54 305.0120 <u>TON</u> 770 8		STREE W. BELOI S. 55TH S	T T RD TREET	STATI0 43+50 12+90	<u>N TO</u> - - PR	STATION 46+50 15+10 OJECT TOTAL	416.0170 CONCRETE DRIVEWAY 7-INCH SY 191 0 191	
	W. BELOIT RD S. 55TH STREET STREET W. BELOIT RD S. 55TH STREET	BASE AGGREG STAT 43+ 12+	90 ATE DENS <u>10N</u> 50 90	- PR(5E 1 1/4 - - PR(OJECT TOTAL INCH STATION 46+50 15+10 OJECT TOTAL	54 305.0120 <u>TON</u> 770 8 778		STREE W. BELOI S. 55TH S	T T RD TREET	STATI0 43+50 12+90	<u>N TO</u> - - PR	STATION 46+50 15+10 OJECT TOTAL ALL UNI	416.0170 CONCRETE DRIVEWAY 7-INCH SY 191 0 191 ITEMS CATEG	- - - - - - - - - - - - - - - - - - -

STREET STREET <th colspa="</th"><th></th><th></th><th></th><th></th><th></th><th></th><th>CONCRETE CURB & GUTTER</th></th>	<th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>CONCRETE CURB & GUTTER</th>							CONCRETE CURB & GUTTER
A STREET STREET STATION TO STATION STATION TO STATION STATION </th <th></th> <th></th> <th>DRILLED TIE I</th> <th>BARS</th> <th>416 0610</th> <th></th> <th>601.0331 Concrete curb</th>			DRILLED TIE I	BARS	416 0610		601.0331 Concrete curb	
STREET STATEST STATEST <th< th=""><th></th><th>CTDEET</th><th>CTATION</th><th></th><th>416.0610</th><th></th><th>AND GUTTER</th></th<>		CTDEET	CTATION		416.0610		AND GUTTER	
A. BLOLT MU ADJON DUILLED	-			<u>10 STATION</u>			31-INCH STREET STATION TO STATION LE	
Desire function Data Desire function Desire function <thdesire function<="" th=""> <thdesire function<="" th=""></thdesire></thdesire>		W. DELUII KU S 55TH STDEET	43+50	- 40+30	55		W BELOIT RD 43+50 - 46+50 1 041	
ADDREET TOTAL ADDREET	-		12:90				355TH ST = 12+90 = 15+10 = 227	
CONCRETE SIDEWALK 5-INCH CONCRETE SIDEWALK 5-INCH STREET STATION SOURCE EARS 1 STREET STATION 10 STATION 10 SOURCETE SOURCETEE SOURCETE SOURCETE SOURCETE SOURCETE SOURCETE SOURCET SOURCETE SOURCETE SOURCETE SOURCETE SOURCETE SOURCETE SOURCETEE SOURCETE SOURCETE <t< th=""><th></th><th>PROJECT TOTAL</th><th></th><th></th><th>55</th><th></th><th>PROJECT TOTAL 1,268</th></t<>		PROJECT TOTAL			55		PROJECT TOTAL 1,268	
ASPHALT CURB RAMP DETECTABLE WARNING FIELD 460.6223 460.6424 455.0605 465.0105 HMA HMA TACK COAT ASPHALTIC PAVEMENT PAVEMENT SURFACE YELLOW 3 MT 58-28 S 4 MT 58-28 H SURFACE STREET STATION TO STATION SF W. BELOIT RD 42+50 - 46+50 81 S. 55TH STREET 12+90 - 16+10 20 PROJECT TOTAL 60 30 15 7		STREET W. BELOIT ROAD S. 55TH STREET PROJECT TOTAL	DRILLED DOWEL STATION 43+50 12+90	- BARS <u>TO STATION</u> - 46+50 - 15+10	416.0620 EACH 61 0 61		CONCRETE SIDEWALK 5-INCH 602.0410 STREET STATION TO W. BELOIT RD 43+50 - 46+50 3,145 S. 55TH STREET 12+90 - 15+10 294 PROJECT TOTAL 3,439	
PAVEMENT PAVEMENT SURFACE 3 MT 58-28 S 4 MT 58-28 H STREET STATION TO STATION TO STATION SF W. BELOIT RD 42+50 - 48+00 55 27 14 7 S. 55TH STREET 12+90 - 15+10 5 3 1 0 PROJECT TOTAL 60 30 15 7 7 14 7 ALL ITEMS CATEGORY UNLESS OTHERWISE N			ASPHALT 460.6223 HMA	460.6424 HMA	455.0605 Tack coat	465.0105 ASPHALTIC	CURB RAMP DETECTABLE WARNING FIELD YELLOW 602.0505	
3 MT 58-28 S 4 MT 58-28 H STREET STATION TON TON GAL TON M. BELOIT RD 43+50 - 46+50 81 W. BELOIT RD 42+50 - 48+00 55 27 14 7 S. 55TH STREET 12+90 - 15+10 20 PROJECT TOTAL 60 30 15 7 ALL ITEMS CATEGORY UNLESS OTHERWISE N ALL ITEMS CATEGORY UNLESS OTHERWISE N			PAVEMENT	PAVEMENT		SURFACE	STREET STATION TO STATION SF	
STREET STATION TO TON GAL TON S.			3 MT 58-28 S	4 MT 58-28 H			W. BELOIT RD 43+50 - 46+50 81	
W. BELOIT RD 42+50 - 48+00 55 27 14 7 S. 55TH STREET 12+90 - 15+10 5 3 1 0 PROJECT TOTAL 60 30 15 7 7 ALL ITEMS CATEGORY UNLESS OTHERWISE N ALL ITEMS CATEGORY UNLESS OTHERWISE N	STREET	STATION TO STATION	TON	TON	GAL	TON	<u>S. 551H SI 12+90 - 15+10 20</u>	
PROJECT TOTAL 60 30 15 7 ALL ITEMS CATEGORY UNLESS OTHERWISE N	W BELATE	42+50 - 48+00	55	27	14	(PROJECT TOTAL 101	
ALL ITEMS CATEGORY UNLESS OTHERWISE N	W. BELOIT RD		<u> </u>	3	15	7		
	W. BELOIT RD S. 55TH STREE	T 12+90 - 15+10 Project total	60	30				
	W. BELOIT RD S. 55TH STREE	<u>ET 12+90 - 15+10</u> Project totai	L 60	30			ALL ITEMS CATEGORY 001 UNLESS OTHERWISE NOT	

		ADJUSTING MANHO	LE COVERS				cc	NCRETE MEDI	AN SLOP	ED NOSE		
\$	STREET W. BELOIT RD PROJECT TOTA	STATION 44+45 AL	OFFSET 23' RT	611.8110 EACH 1 1			STREET W. BELOIT RD S. 55TH STREET PROJECT TOTAL	STATION 43+50 12+90	<u>T0</u> - -	STATION 46+50 15+10	620.0300 SF 141 0 141	
		COVER PLATES TI	EMPORARY					WA	\TER			
	STREET W. BELOIT RD W. BELOIT RD	STATION 44+45 44+23 45+06	0FFSET 23' RT 12' RT	611.8120.S EACH 1 1			STREET W. BELOIT ROAD S. 55TH STREET	STATION 43+50 12+90	<u>то</u> - - Р	STATTION 46+50 15+10 Roject Tota	624.0100 MGAL 8 0 AL 8	_
	PROJECT TOTAI	L		3								
	MAINTENANCE AND E	REPATE OF HAUL F	304DS TD 2525-0	3-73				то	PSOIL			
	LOCAT	TON	CAT (618.0 EA(0020 0100 01			STREET W. BELOIT ROAD S. 55TH STREET UNDISTRIBUTED	STAT] 43+5 12+9	<u>:0N T</u> 60 - 90 -	0 STAT - 46+ - 15+	625.0 ION SY 50 261 10 615 219	100 1 5 9
_	W. BELOIT ROAD 8	S 55TH STREET Project	1 TOTAL 1							PROJECT	TOTAL 1,09	96
											ALL ITEMS UNLESS O	S CATEGORY 0010 THERWISE NOTED
PROJECT NO: 2525	5-03-73	HWY: W. BELO	DIT ROAD	COUNTY: MI	LWAUKEE	N	ISCELLANEOUS QUANTITIES				SH	EET: E
FILE NAME :					PLOT DATE :		PLOT BY :	PLOT NAME :		PLOT SCALE : 1:1		

		MULCHING						IN	ILET P	ROTECTION				
3	STREET W. BELOIT ROAD S. 55TH STREET UNDISTRIBUTED	13+50 - 46+50 12+90 - 15+10 12+90 - 15+10	627.0200 SY 0 590 147 740	-		STREET W. BELOIT S. 55TH ST	S ROAD REET	TATION 43+50 12+90	<u>T0</u>	STATION 46+50 15+10	628.701 INLET PROTECTIO Type C Each 7 4	5 628.7 INL ON PROTEC TYPE EAC 2 8	020 ET TION D H	
	TEMPO	RARY SETTLING BASINS							PRO	JECT TOTAL	11	10		
	STREET UNDISTRIBUTED PROJEC	628.1104 EROSION BALES EACH 30 T TOTAL 30	645.0120 GEOTEXTILE TYPE HR SY 75 75					TR	ACKIN	IG PADS	628.7	7560		
	STREET	SILT FENCE 628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF			W	STREET	RD	I UND Pf	LOCATION ISTRIBUTED ROJECT TOT	EA() 2 AL 2	<u>>H</u>		
	UNDISTRIBUTED PROJ	100 ECT TOTAL 100	<u>100</u> 100					RESTO	RATIO	N QUANTITI	ES			
	EROSIO	N CONTROL MOBILIZATION	s						F	629.0210 ERTILIZER TYPE B	630.0140 SEEDING MIXTURE NO. 40	631.0300 SOD WATER	631.1000 SOD LAWN	
		628.1905	628.1910		S		STATION	TO STAT	TION	CWT		MGAL	SY OCT	
		MOBILIZATIONS	MOBILIZATIONS		W.BE	LUII KUAD	43+50 12±00	- 464	-5U ⊾10	0.2	U.U 10 e	11./	201	
		EROSION CONTROL	EMERGENCY		3. 55 IINNTS	STRIBUTED	12+90	- 154	+10	0.1	2.7	3.2	72	
			EROSION CONTROL			·	PR	DJECT TO	DTAL	0.7	13.3	16.1	359	
	LOCATION	EACH	EACH	_										
	UNDISTRIBUTED Project total	<u> 1 </u>	2	-								ALL ITEM UNLESS C	S CATEGORY 0010 THERWISE NOTE) D
ſ	PROJECT NO: 2525-03-73	HWY: W. BELOIT ROAD	COUN	TY: MILWAUKEE	MISCEL	LANEOUS QU	JANTITIES					SH	EET:	E
L	FILE NAME :			PLOT DATE : _	I	PLOT BY :		PLOT NAME :		PLO	T SCALE : 1:1			

TREE PLANTING

CATEGORY	BID NUMBER	SYMBOL	LARGE DECIDUOUS TREES Common Name	SIZE WHEN Planted	ROOT Condition	UNIT	TOTALS
0010	632.0101.01	CPS	HACKBERRY, PRAIRIE SENTINEL	2.5" CAL	B&B	EA	2
0010	632.0101.02	GTD	HONEYLOCUST, STREETKEEPER	2.5" CAL	B&B	EA	3

PROJE

B&B: BALLED AND BURLAPED

TYPE II SIGNS

		-						637.2210	637.2230	638.2102	638.2602	638.3000	SPV.0060.01
								SIGNS	SIGNS	MOVING	REMOVING	REMOVING	ROUND
								TYPE II	TYPE II	SIGNS	SIGNS	SMALL SIGN	STEEL
								REFLECTIVE	REFLECTIVE	TYPE II	TYPE II	SUPPORTS	SIGN POST
								н	F				SYSTEM
SIGN NO.		STATIC		SIGN CODE	MESSAGE	5.	LZE	51	51	EACH	EACH	EACH	EACH
1-1	551H SIREEI	11+87	RI	-	-	-	-	-	-	-	1	-	-
1-2	55TH STREET	11+87	RT	-	-	-	-	-	-	-	1	1	-
1-3	55TH STREET	13+77	RT	W1-7	-	48	X 24	-	8.0	-	-	-	1
1-4	55TH STREET	14+85	LT	W1-7	-	48	X 24	-	8.0	-	-	-	1
1-5	55TH STREET	15+00	RT	-	-	-	-	-	-	-	1	1	-
1-6	55TH STREET	15+06	RT	-	-	-	-	-	-	-	1	1	-
1-7	55TH STREET	16+82	LT	-	-	-	-	-	-	-	1	-	-
1-8	55TH STREET	16+82	LT	-	-	-	-	-	-	-	1	-	-
6-1	BELOIT ROAD	44+64	RT	-	W MOBILE ST	-	-	-	-	1	-	-	-
6-2	BELOIT ROAD	44+64	LT	-	W BELOIT RD	-	-	-	-	1	-	-	-
6-3	BELOIT ROAD	44+10	LT	W11-2	-	30	30	-	6.3	-	-	-	1
6-4	BELOIT ROAD	44+10	LT	W16-7L	-	24	12	-	2.0	-	-	-	-
6-5	BELOIT ROAD	44+33	LT	-	EAST ALLIS	-	-	-	-	1	-	-	-
6-6	BELOIT ROAD			W11-2	-	30	30	-	6.3	-	-	-	1
6-7	BELOIT ROAD	44+10	LT	W16-7L	-	24	12	-	2.0	-	-	-	-
6-8	BELOIT ROAD	45+93	RT	-	-	-	-	-	-	-	1	1	-
6-9	BELOIT ROAD	44+62	RT	R1-1	-	30	X 30	5.2	-	-	-	-	1
6-10	BELOIT ROAD	44+62	RT	R3-2	-	24	X 24	4.0	-	-	-	-	-
6-11	BELOIT ROAD	46+02	RT	R7 - 1D	-	12	X 18	1.5	-	-	-	-	-
6-12	BELOIT ROAD	46+35	LT	-	-	-	-	-	-	-	1	1	-
6-13	MOBILE ST			R10-5 (MOD)	NO LEFT TURN AT BELOIT ROAD	24	X 30	5.0	-	-	-	-	1
6-14	MOBILE ST			R10-5 (MOD)	NO LEFT TURN AT BELOIT ROAD	24	X 30	5.0	-	-	-	-	1
						то	ТАІ	20.7	32 5	3	8	5	7

PROJECT NO: 2525-03-73	HWY: W. BELOIT ROAD	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTI	TIES
FILE NAME :		PLOT DATE :	PLOT BY :	PLOT NAME :

MISCELLANEOUS	LANDSCAPING		
	632.9101		
	LANDSCAPE PLANTING Surveillance and Care cycles		
LOCATION	EACH	3	5
ECT ID 2525-03-73	15		
TOTAL:	15		
	REMARKS		
	•		
	-	-	
	-	- 1	
	-		
REMOVE	- 	-	
REMOVE	FROM LIGHT POLE	-	
MOUNT ON S	SAME POST AS SIGN 6-9 Same Post as sign 6-9	-	
	-		
MOUNT ON S	SAME POST AS SIGN 6-3	-	
	-		
MOUNT ON S	SAME POST AS SIGN 6-6		
		-	
MOUNT ON S	SAME POST AS SIGN 6-9		
ATTACH	TO NEW LIGHT POLE	-	
PLACE AT NE QUADE	RANT OF MOBILE & 61ST STREET		
PLACE AT NW QUADE	RANT OF MOBILE & 60TH STREET		
	ALL ITEMS CATEGORY 001	.0	
	UNLESS OTHERWISE NOTI	ED	
	SHEET:	ΤE	
PLOT SCALE : 1:1	I	<u> </u>	

									-		-	S. 55TH ST PROJECT T(Γ 12+90)TAL
							TR	AFFIC CONTR	łOL				
			643 TRA Con Dr	.0300 FFIC Itrol UMS	643.0 TRAFFIC BARRIC TYPE)420 Control Cades III	643.0705 TRAFFIC CON WARNING LIC TYPE A	G G TROL G HTS G	43.0900 FRAFFIC Control Signs	643.092 TRAFFIC CO COVERING { TYPE I	20 64 INTROL TH Signs C(I (3.1050 RAFFIC 1 ONTROL P Signs PCMS	644.1440 FEMPORARY EDESTRIAN SURFACE MATTING
	LOCAT	ON DAY	S EACH	DAYS	EACH	DAYS	EACH D	AYS EAC	H DAYS	NO. CYCLE	S EACH	DAY	SF
	W. BELO	IT RD 93			11	1,023	22 2,	046 98	9,114	5 1	5	14	200
	S. 55T	I ST 45	50	2,250	20	900	401,	800 58	2,610				
	PROJECT	OTALS		2,250		1,923	3,	846	11,724		5	14	200
						P.	AVEMENT MAR	(ING	646 7100	646 7400	646 0100	646.0000	
					MARKING Contr	LINE GROO	•5 OVED WET REF Y 4-INCH	MARKING STOP LINE EPOXY 18-INCH	MARKING DIAGONAL EPOXY 12-INCH	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH	MARKING CURB EPOXY	MARKING ISLAND NOSE EPOXY	
					SOLID WHITE	SOLID YELLOW	SKIP-DASH (9'X 3') WHITE	WHITE	YELLOW	WHITE	YELLOW	YELLOW	
		STREET	FROM	то	LF	LF	LF	LF	LF	LF	LF	EACH	
	<u>_</u>	. BELOIT RD	42+50 -	48+00	495	211	24	15	13	125	40	4	
	S	55TH STREET	12+90 -	15+10	-	-	-	69	-	-	-		
			PROJE	CT TOTAL		730		84	13	125	40	4	
PROJEC		•		-	I.								

			GEOGRID	TYPE	SR		
						645.0220)
	STREET	Г	STATION	то	STATIC	ON SY	_
	W. BELOIT	r RD St	42+50 12+90	-	48+00	0 1,558	
	PROJECT	TOTAL	12:50	_	10 10	1,558	- `
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)	643.1050	644. ⁻	1440	6	644.1810)	
TROL	TRAFFIC	TEMPO	RARY	T	EMPORAR	Y	
GNS	CONTROL	PEDES	TRIAN ACE	PE B/	DESTRI/	AN E	
	PCMS	MATT	ING	0.		-	
EACH	DAY	SI	F		LF		
5	14	20	0		100		
					80		
5	14	20	0		180		
646.8 [.]	120 646.8220	5					
MARK	ING MARKING						
CURE							
EPUX	EPOXY						
		-					
YELLO	OW YELLOW						
LF 40	EACH 4	_					
-	-	_					
40	4				ALL ITEN	MS CATEGOR	Y 0010
				li	JNLESS	OTHERWISE	NOTED
IES					5	SHEET:	
PLC	DT NAME :	_ PL(OT SCALE : 1:1		<u> </u>		

	STREET LIGHTIN								CONDUTT			
	6: N0 S0	52.0225 * CONDUIT RIGID N-METALLIC HEDULE 40 2-INCH	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG (UNDERGROUN PHASE AND NEU	655.0625 ELECTRICA WIRE LIGHTING 6 AWG ID TRAL GROUND WIR	5 AL A JND FS)	STREET	STATION	το στάττον	OFESET	652.0225 * Conduit Rigid Non-Metallic Schedule 40 2-INCH	652.060 Conduit Special 2-inch	5 653.0115 PULL BOXES STEEL 12X36-INCH
			WIRES)		,	W. BELOIT F	RD 43+50	- 46+50	32.5' LT	168	132	2
FROM	то	LF	LF	LF		S. 55TH STRE	EET 12+90	- 15+10	-	0	0	0
EXISTING C B/1 6200	C B/1 6126	96	494	247				P	ROJECT TOTAL	168	132	2
C A/5 6023	C A/5 6047	69	500	250		* ADDITIONAL	QUANTITIES SHO	DWN ELSEWHERE				
	SUB TOTAL	165	994	497								
	TOTAL	165		1,491								
ELECTR	ICAL WIRE LIGHTIN 655.0610 Electrical Wire Lighting 12 AWG	G 655.061 ELECTRIC WIRE LIGHTIN 12 AWG	O AL G			C	LUMINAIR 654.0105 CONCRETE BASES TYPE 5	E AND POLE MOUN 657.0255 TRANSFORMER BA BREAKAWAY 11	NTINGS 657.03 ASES POLES ¹ /2 TYPE 5	322 657.06 S LUMINAIRE 5- SINGLE ME	10 ARMS L EMBER UT	659.1125 LUMINAIRES ILITY LED C
ELECTR	ICAL WIRE LIGHTIN 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (POLE PHASE AND NEUTRAL WIRES)	G 655.061 ELECTRIC WIRE LIGHTIN 12 AWG (POLE GRO WIRES)	O AL G UND			c	LUMINAIR 654.0105 CONCRETE BASES TYPE 5	E AND POLE MOUN 657.0255 Transformer B/ Breakaway 11 Inch Bolt Cir	TINGS 657.03 ASES POLES ¹ / ₂ Type S GLE Alumin (30-F00	322 657.06 S LUMINAIRE 5- SINGLE ME IUM 4 1/2-I OT) CLAMP 6	10 ARMS L Ember Ut NCH FT	659.1125 LUMINAIRES ILITY LED C
ELECTR	ICAL WIRE LIGHTIN 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (POLE PHASE AND NEUTRAL WIRES) LF	G 655.061 ELECTRIC WIRE LIGHTIN 12 AWG (POLE GRO WIRES) LF	O AL G UND	DESCRIPTION	STATION	OFFSET	LUMINAIR 654.0105 CONCRETE BASES TYPE 5 EACH	E AND POLE MOUN 657.0255 TRANSFORMER BA BREAKAWAY 11 INCH BOLT CIR EACH	NTINGS 657.03 ASES POLES ¹ / ₂ Type S CLE Alumin (30-F00 EACH	322 657.06 S LUMINAIRE 5- SINGLE ME IUM 4 1/2-I OT) CLAMP 6 I EACH	10 ARMS L Ember Ut NCH FT	659.1125 LUMINAIRES ILITY LED C EACH
ELECTR DESCRIPTION C B/1 6126	ICAL WIRE LIGHTIN 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (POLE PHASE AND NEUTRAL WIRES) LF 82	G 655.061 ELECTRIC WIRE LIGHTIN 12 AWG (POLE GRO WIRES) LF 41	O AL G UND	DESCRIPTION C B/1 6126	STATION 44+32.00	0FFSET 25.5' LT	LUMINAIR 654.0105 CONCRETE BASES TYPE 5 EACH 1	E AND POLE MOUN 657.0255 TRANSFORMER BA BREAKAWAY 11 INCH BOLT CIR EACH 1	ATINGS 657.03 ASES POLES ¹ / ₂ TYPE S CLE ALUMIN (30-FOO EACH	822 657.06 S LUMINAIRE 5- SINGLE ME IUM 4 1/2-I OT) CLAMP 6 A EACH	10 ARMS L Ember Ut NCH Ft	659.1125 LUMINAIRES ILITY LED C EACH
ELECTR DESCRIPTION C B/1 6126 C A/5 6047	ICAL WIRE LIGHTIN 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (POLE PHASE AND NEUTRAL WIRES) LF 82 82	G 655.061 ELECTRIC WIRE LIGHTIN 12 AWG (POLE GRO WIRES) LF 41 41	O AL G UND	DESCRIPTION C B/1 6126 C A/5 6047	STATION 44+32.00 45-95.00	OFFSET 25.5' LT 25.5' RT	LUMINAIR 654.0105 CONCRETE BASES TYPE 5 EACH 1 1	E AND POLE MOUN 657.0255 TRANSFORMER BA BREAKAWAY 11 INCH BOLT CIR EACH 1 1	NTINGS 657.03 ASES POLES ¹ / ₂ TYPE S CLE ALUMIN (30-FOC EACH 1 1	322 657.06 S LUMINAIRE 5- SINGLE ME IUM 4 1/2-I OT) CLAMP 6 I EACH 1 1	10 ARMS L Ember Ut NCH FT	659.1125 LUMINAIRES ILITY LED C EACH 1 1
ELECTR DESCRIPTION C B/1 6126 C A/5 6047 SUBTOTAL	ICAL WIRE LIGHTIN 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (POLE PHASE AND NEUTRAL WIRES) LF 82 82 82 164	G 655.061 ELECTRIC WIRE LIGHTIN 12 AWG (POLE GRO WIRES) LF 41 41 41 82	0 AL G UND	DESCRIPTION C B/1 6126 C A/5 6047	STATION 44+32.00 45-95.00	OFFSET 25.5' LT 25.5' RT 50TALS	LUMINAIR 654.0105 CONCRETE BASES TYPE 5 EACH 1 1 2	E AND POLE MOUN 657.0255 TRANSFORMER BA BREAKAWAY 11 INCH BOLT CIR EACH 1 1 1 2	ATINGS 657.03 ASES POLES ¹ / ₂ TYPE S CLE ALUMIN (30-FOC EACH 1 1 2	322 657.06 S LUMINAIRE 5- SINGLE ME IUM 4 1/2-I OT) CLAMP 6 I EACH 1 1 2	10 ARMS L Ember Ut NCH Ft	659.1125 LUMINAIRES ILITY LED C EACH 1 1 2
ELECTR DESCRIPTION C B/1 6126 C A/5 6047 SUBTOTAL TOTAL	ICAL WIRE LIGHTIN 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (POLE PHASE AND NEUTRAL WIRES) LF 82 82 164 24	G 655.061 ELECTRIC WIRE LIGHTIN 12 AWG (POLE GRO WIRES) LF 41 41 41 82	0 AL G UND	DESCRIPTION C B/1 6126 C A/5 6047	STATION 44+32.00 45-95.00	OFFSET 25.5' LT 25.5' RT TOTALS	LUMINAIR 654.0105 CONCRETE BASES TYPE 5 EACH 1 1 2	E AND POLE MOUN 657.0255 TRANSFORMER BA BREAKAWAY 11 INCH BOLT CIR EACH 1 1 2	657.03 ASES POLES 1/2 TYPE S CLE ALUMIN (30-FOC EACH 1 1 2	322 657.06 S LUMINAIRE 5- SINGLE ME IUM 4 1/2-I OT) CLAMP 6 1 1 1 1 2 1	10 ARMS L EMBER UT NCH FT	659.1125 LUMINAIRES ILITY LED C EACH 1 1 2 2
ELECTR DESCRIPTION C B/1 6126 C A/5 6047 SUBTOTAL TOTAL	ICAL WIRE LIGHTIN 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (POLE PHASE AND NEUTRAL WIRES) LF 82 82 164 24	G 655.061 ELECTRIC WIRE LIGHTIN 12 AWG (POLE GRO WIRES) LF 41 41 41 82	0 AL G UND	DESCRIPTION C B/1 6126 C A/5 6047	STATION 44+32.00 45-95.00	OFFSET 25.5' LT 25.5' RT TOTALS	LUMINAIR 654.0105 CONCRETE BASES TYPE 5 EACH 1 1 2	E AND POLE MOUN 657.0255 TRANSFORMER BA BREAKAWAY 11 INCH BOLT CIR EACH 1 1 2	ATINGS 657.03 ASES POLES ¹ / ₂ TYPE S CCLE ALUMIN (30-FOO EACH 1 1 2	322 657.06 S LUMINAIRE 5- SINGLE ME IUM 4 1/2-I OT) CLAMP 6 I 1 1 1 2 1	10 ARMS L EMBER UT NCH FT	659.1125 LUMINAIRES ILITY LED C EACH 1 1 2 CATEGORY 00 HERWISE NOT

CONSTRUCTION STAKING MAINLINE ITEMS

		TOTAL			
DESCRIPTION	UNIT	QUANTITY	S 55TH ST	BELOIT RD	ITEM
CONSTRUCTION STAKING SUBGRADE	LF	300	0	300	650.4500
CONSTRUCTION STAKING CURB GUTTER AND CUR	LF	227	227	0	650.5500
CONSTRUCTION STAKING CONCRETE PAVE	LF	300	0	300	650.7000
CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS	EACH	1	0	1	650.8501
CONSTRUCTION STAKING CURB RAMPS	EACH	6	2	4	650.9000
CONSTRUCTION STAKING SIDEWALK (ID 2525	EACH	1	0	1	650.9500
CONSTRUCTION STAKING SUPLEMENTAL CONTROL (I	LS	1	0	1	650.9911
CONSTRUCTION STAKING SLOPE STAKE	LF	300	0	300	650,9920

SAWING

				690.0150	690.0250
				ASPHALT	CONCRETE
STREET	STATION	то	STATION	LF	LF
W. BELOIT RD	42+50	-	48+00	45	140
S. 55TH ST	12+90	-	15+10	100	211
			PROJECT TOTAL	145	351

					PAVEMENT MAF	RKING		
					CAT 0020	CAT 0020		
					SPV.0060.02 MARKING SYMBOL GROOVED BIKE LANE PREFORMED THERMOPLASTIC	SPV.0060.03 MARKING ARROW GROOVED BIKE LANE PREFORMED THERMOPLASTIC	SPV.0090.01 MARKING STOP LINE EPOXY 24-INCH	SPV.0165.01 HIGH FRICTION GREEN SURFACING
					WHITE	WHITE	WHITE	
	STREET	FROM		Т0	EACH	EACH	LF	SF
	W. BELOIT RD	42+50	-	48+00	3	3	37	298
	S. 55TH STREET	12+90	-	15+10	-	-	-	-
			PROJI	ECT TOTAL	3	3	37	298
PROJECT NO: 2525-03-73	HWY: W. BELOIT ROAD)		COUNTY: N	/IILWAUKEE	MISCELLANE	OUS QUANTITIES	

PLOT DATE : ____

PLOT BY : ____

PLOT NAME : ____

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3 & GUTTER MENT (ID 2525-03-73)

-03-73)) 2525-03-73)



SHEET:

PLOT SCALE : 1:1

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							WA	TER MAIN RELAY				
_							SPV.0060.04	4 SPV.0060.0)5 SF	PV.0090.02		
			F		то		ADJUST WAT VALVE BOX	ER WATER MA X CONNECTIO	IN WATE	R MAIN RELA` 6-INCH	Y	
		CATEGO	RY S	STA	STA		FACH	6-INCH FACH		IF		
		0030	17	0+39.0	170+91.	7	1	2		46.2	MOBILE -	BELOIT TO A
-					PROJECT 1	OTALS	1	2		47		
	CATEGORY 0030	STATION L 170+58.5 PROJEC	WATER SE W OCATION RT T TOTALS	RVICES SPV.0090.03 /ATER SERVIC COPPER 2-INCH LF 12.5 13	E ADDRE #6127-	<u>-SS</u> -31			CATEGORY 0040	STATION L 170+54.7 PROJEC	BUILDIN OCATION RT T TOTALS	G SANITARY SPV.(BUILDING SE 6-I
							SANITARY	SEWER STRUCTUR SPV.0060.06 ADJUST SANITARY MANHOLE FRAME	RES (CON	/MENTS	LO	OCATION
		_	CATEGORY 0040	STRUCTURE NUMBER S13	STATION 44+22.8	LO 11.7	CATION RT	EACH 1	REUSE F	RAME & SEAL	On Beloit,	S of Tracks
		-		S14	45+96.4	1.3 PRC	RT DJECT TOTALS	1 2	REUSE F	RAME & SEAL	On Beloit,	N of Tracks
PROJECT NO: 2525	-03-73		HWY: W. BI	ELOIT ROAD		COUNT	Y: MILWAUKF	E	MISCELLAN	EOUS QUANT	TITIES	
FILE NAME :							PLC	OT DATE :	PLOT B	Y:	PLOT NAM	1E :

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_F	ADDRESS
15	#6127-31 W. Mobile St
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ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

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SHEET:

ſ		CONVENTI	ONAL SYMBOLS	STATE OF WISCONSIN
	SECTION LINE QUARTER LINE SIXTEENTH LINE NEW REFERENCE LINE NEW R/W LINE EXISTING R/W OR HE LINE		SECTION CORNER SYMBOL SECTION CORNER GEODETIC SURVEY MONUMENT SECTION CORNER C	DEPARTMENT OF WISCONSIN DEPARTMENT OF TRANSPORTATION PLAN OF PROPOSED IMPROVEMENT
	PROPERTY LINE LOT, TIE & OTHER	<u>P.L.</u>	SIXTEENTH CORNER MONUMENT	C WEST ALLIS. W BELOIT ROAD
	MINOR LINES SLOPE INTERCEPT CORPORATE LIMITS UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER) TEMPORARY LIMITED EASEMENT AREA	 (ТҮРЕ) 	COMPENSABLE NON-COMPENSABLE ELECTRIC POLE Image: Compensable TELEPHONE POLE Image: Compensable PEDESTAL (LABEL TYPE) Image: Compensable (TV, TEL, ELEC, ETC.) Image: Compensable ACCESS RESTRICTED BY ACQUISITION Image: Compensable NO ACCESS (BY STATUTORY AUTHORITY) Image: Compensable	MOBILE ST - UP RR CROSS LOCAL ROAD MILWAUKEE COUNTY
	EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT) TRANSMISSION STRUCTURES BUILDING TO BE RE BRIDGE	<i>′′′′′′′′′</i> ∕∕	ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL) NO ACCESS (NEW HIGHWAY) PARCEL NUMBER (25) UTILITY NUMBER (40) PARALLEL OFFSETS	STATE PROJECT NUMBER 2525-03-03
_	CONVE ACCESS RIGHTS ACRES AHEAD ALUMINUM AND OTHERS BACK BLOCK CENTERLINE CERTIFIED SURVEY MAP CONCRETE COUNTY COUNTY TRUNK HIGHWAY DISTANCE COUNTY COUNTY TRUNK HIGHWAY DISTANCE COUNTY COUNTY TRUNK HIGHWAY DISTANCE COUNTY COUNTY TRUNK HIGHWAY DISTANCE CONRER DOCUMENT NUMBER EASEMENT HIGHWAY EASEMENT IDENTIFICATION LAND CONTRACT LEFT MONUMENT NATIONAL GEODETIC SURVEY NUMBER OUTLOT PAGE PERMANENT LIMITED EASEMENT NOTES:	AR AC AH ALUM ET AL BK BLK C CSM CONC CO CTH DIST COR DOC EASE EX GV GN HE ID LC LT MON NGS NO OL P PLE	L ABBREVIATIONS POINT OF BEGINNING POINT OF CURVATURE POINT OF CURVATURE POINT OF COMPOUND CURVE POINT OF TANGENCY PROPERTY LINE RECORDED AS REEL / IMAGE REFRENCE LINE REFRENCE LINE REFRENCE LINE REFACE LINE REFACE LINE REASEMENT RIGHT OF WAY SECTION SECTI	Relocation NORTH OF AND Vest of THE ECTION 3. 21-94.27 NORTH OF AND Vest of THE Section 3. 21-94.27 NORTH OF AND Vest OF OF THE Section 3. 21-94.27 NORTH OF AND NORTH OF

COORDINATES SHOWN ON THIS PLAT ARE ORIENTED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD27. ALL PLAT DISTANCES ARE GROUND LENGTH AND MAY BE CONVERTED TO GRID LENGTH BY MULTIPLYING THE DISTANCE BY THE GRID FACTOR PROVIDED ON THE DETAIL SHEETS.

ALL NEW RIGHT OF WAY MONUMENTS WILL BE TYPE 2 MONUMENTS AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT. NEW RIGHT OF WAY MONUMENTATION THAT FALLS ON CONCRETE SURFACES WILL BE MONUMENTED BY A CHISILED CROSS ON 5' OFFSETS.

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT HIGHWAY AUTORITIES DEEM NECESSARY OR DESIRABLE. ALL TLE'S EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FOR DATA DERIVED FROM MAPS AND DOCUMENS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

SCALE L

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LAYOUT

TOTAL NET LENGTH OF CENTERLINE = 0.069 MI.

1.0 MI.



WISDOT/ CRDDS SHEET

SCHEDULE OF LANDS & INTERESTS REQUIRED

4

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL	SHEET		INTEREST	TOTAL				REMAINING	TEMP.	PERM.	PARCEL
NUMBER	NUMBER	OWNER	REQUIRED	ACRES	NEW	EXISTING	TOTAL	ACRES	ACRES	ACRES	NUMBER
1	4.04	Milwaukee and Madison Railway Company, Chicago and North Western Railway Company, Chicago and Northwestern Transportation Company and Union Pacific Railroad Company	TLE & PLE	VAST	0.000	0.000	0.000	VAST	0.038	0.043	1
2	4.04	Phoenix West Allis LLC	TLE	2.012	0.000	0.000	0.000	2.012	0.039	0.000	2
3	4.04	S.T. Evenignasiak LLC, a Wisconsin limited liability company	TLE	1.667	0.000	0.000	0.000	1.667	0.017	0.000	3
4	4.04	Land contract between Peter G. Agnos and Eugena P. Agnos, husband and wife, and Jose M. Lopez, as Purchaser	TLE	0.576	0.000	0.000	0.000	0.576	0.037	0.000	4
5	4.04	Dunham 6047 LLC	TLE	0.409	0.000	0.000	0.000	0.409	0.016	0.000	5
50		AT&T Wisconsin	TCE								
51		We Energies - Electric	TCE								
52		Sprint Communications Company	TCE								

REVISION DATE	DATE 06/21/2023	SCALE, FEET	HWY: W BELOIT ROAD	R/W PROJECT NUMBER
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBE
FILE NAME : X:\ML\2019\20190099\Design\Transportation\SheetsPlan\Rails	PL	OT DATE : 12/28/2023 PLOT B	Y : \$\$plotuser\$\$ PLOT NAME :	

		4.00	—
2525-03-03 (A)	PLAI SHEET	4.02	╀╴
ER 2525-03-73	PS&E SHEET		ΙE

PLOT SCALE : \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 60





(CONVENTI	ONAL SYMBOLS					
SECTION LINE QUARTER LINE SIXTEENTH LINE NEW REFERENCE LINE NEW R/W LINE EXISTING R/W OR HE LINE		SECTION CORNER SYMBOL SECTION CORNER ECTION CORNER	MENT • MENTED O L PIN IP LESS NOTED	STATE RTMENT PLAN OF	OF W OF T proposed	RANSPOR	TATION
PROPERTY LINE LOT, TIE & OTHER	<u>P.L.</u>	SIXTEENTH CORNER MONUMENT SIGN SIGN OFF-PREMIS		EST ALL	IS. W		ROAD
MINOR LINES SLOPE INTERCEPT				MOBIL	E ST - UP		
CORPORATE LIMITS UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)	w (түре)	TELEPHONE POLE	占 ø 其	LO	DCAL F	ROAD	
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)		(TV, TEL, ELEC, ETC.)				COUNTY	
TEMPORARY LIMITED EASEMENT AREA		NO ACCESS (BY STATUTORY AUTHORIT	Y) •••••••		AUNEE	COUNTY	
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)		ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL) NO ACCESS (NEW HIGHWAY)	•••••	2	STATE PROJECT N		
		PARCEL NUMBER (25) UTILITY NUMB	er (40)	_			
	MOVED	PARALLEL OFFSETS	T				
CONVE	ENTIONAL	_ ABBREVIATIONS	END RELOCATION		R-21-E		R-22-E
ACCESS RIGHTS ACRES AHEAD ALUMINUM AND OTHERS BACK BLOCK CENTERLINE CERTIFIED SURVEY MAP COUNTY TRUNK HIGHWAY DISTANCE COUNTY TRUNK HIGHWAY DISTANCE COUNTY TRUNK HIGHWAY COUNTY TRUNK HIGHWAY COUNTY NUMBER OUTLOT PAGE PERMANENT LIMITED EASEMENT NOTES:	AR AC AH ALUM ET AL BK BLK CSM CONC CO CTH DIST COR DOC EASE EX GV GN HE ID LC LT MON NGS NO OL P PLE	POINT OF BEGINNINGPOBPOINT OF CURVATUREPCPOINT OF CURVATUREPCPOINT OF COMPOUND CURVEPCCPOINT OF INTERSECTIONPTPONT OF TANGENCYPTPROPERTY LINEPLRECORDED AS(100')REEL / IMAGER /IREFERENCE LINERREMAININGREMRESTICTIVE DEVELOPMENTREMEASEMENTRIGHTRIGHTRTRIGHT OF WAYR/WSECTIONSECSEPTIC VENTSEPVSQUARE FEETSFSTATE TRUNK HIGHWAYSTHTELEPHONE PEDESTALTPTEMPORARY LIMITEDTLEEASEMENTTRANSPORTATION PROJECTTRANSPORTATION PROJECTTPPPLATUNITED STATES HIGHWAYUSHVOLUMEVGROUND COORDINATESN,E	ORDER STA. 15+03.23 820.57' NORTH OF AND 1.084.55' WEST OF THE SW.1/4. SECTION 2. T.6N., R.21E. N=372.932.44 E=2.540.088.54 BEGIN RELOCATION ORDER STA. 13+52.25 669.61' NORTH OF AND 1.082.00' EAST OF THE SW.1/4. SECTION 2. T.6N., R.21E. N=372.781.49 E=2.540.091.10	45 18 94 CREEK OKLAHOMA	Alling	HIGHLAND AVE. West G West C AVE. S AVE. 94	43 AVE. Milwaukee AVE. Milwaukee AVE. Milwaukee AVE. AVE. Milwaukee AVE. AVE. AVE. AVE. AVE. AVE. AVE. AVE.

COORDINATES SHOWN ON THIS PLAT ARE ORIENTED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD27. ALL PLAT DISTANCES ARE GROUND LENGTH AND MAY BE CONVERTED TO GRID LENGTH BY MULTIPLYING THE DISTANCE BY THE GRID FACTOR PROVIDED ON THE DETAIL SHEETS.

ALL NEW RIGHT OF WAY MONUMENTS WILL BE TYPE 2 MONUMENTS AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT. NEW RIGHT OF WAY MONUMENTATION THAT FALLS ON CONCRETE SURFACES WILL BE MONUMENTED BY A CHISILED CROSS ON 5' OFFSETS.

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT HIGHWAY AUTORITIES DEEM NECESSARY OR DESIRABLE. ALL TLE'S EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FOR DATA DERIVED FROM MAPS AND DOCUMENS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

SCALE L

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LAYOUT

TOTAL NET LENGTH OF CENTERLINE = 0.029 MI.

1.0 MI.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

	PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES	NEW	EXISTING	TOTAL	REMAINING ACRES	TEMP. ACRES	PERM. ACRES	PARCEL NUMBER
	1	4.04	MICHAEL ROUBIK	TLE	0.290	0.000	0.000	0.000	0.290	0.0005 (23 SF)	0.000	1
	2	4.04	INTENTIONALLY OMITTED ⁽¹⁾	TLE	VAST	0.000	0.000	0.000	VAST	0.000	0.000	2
4	52	4.04	Sprint Communications Company	TCE								

REVISION DATE 11/13/2023 ⁽¹⁾	DATE 06/21/2023	SCALE, FEET	HWY: S 55TH STREET	R/W PROJECT NUMBER	
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBE	
FILE NAME : X:\ML\2019\20190099\Design\Transportation\SheetsPlan\Railroad Sheets\040302_rs.dgn			OT DATE : 12/28/2023 PLOT B	Y : \$\$plotuser\$\$ PLOT NAME :	



2525-03-03 (B)	PLAT SHEET	4.02	
BER 2525-03-73	PS&E SHEET		Е
PLOT SCALE : \$\$p	lotscale\$\$		 T 60

WISDOT/CADDS SHEET 60







Standard Detail Drawing List

08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21F	CURB RAMPS TYPES 5. 6. 7A. 7B & 8
08D05-21F	CURE RAMPS RADIAL DETECTABLE WARNING ETELD APPLICATIONS
08005-216	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D16-11	CONCRETE GUTTER CURE AND GUTTER AND PAVEMENT TIES
08018-04	DRIVENAY AND STDEWALK RAMPS TYPES X & Y
08509-06	STIT FENCE
08F10-02	TNIET PROTECTION TYPE A B C AND D
08F14-01	TRACKING PAD
09B02-10	
09B02 10	
09007-09	CONCEPTE BASES TYPES $1, 2, 5, 8, 6$
09002-03	TPANEOPMED/DEDESTAL RASES
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS TYPE 5 (30 FEFT)
09501-156	HADINADE DETATI S COP DOLE MOUNTINGS
09503-06	NON-EPEEWAY I CHTTNG INTT DOLE WIDTNG
10401-04	REFERENCE HANDALD FUTURE
10406-03	ELECTRICAL DETAILS CROWN MOUNT LIGHT DOLES CROWNED NEUTRAL SYSTEMS
13B01-11A	DAVENENT DETAILS FOR PATLOAD ADDROACH
13B01_11R	
13001-19	CONCRETE DAVEMENT LONGTTUDTNAL JOINTS AND TIES
13013-11	UBRAN DOWELED CONCRETE DAVEMENT
13013-11	
13C18_08B	CONCRETE DAVEMENT STEEL DETNEODCEMENT
13018-080	CONCRETE PAVEMENT JOILE REINFORCEMENT
13018-080	CONCRETE PAVEMENT JOINT TIFES
13018-085	CONCRETE PAVEMENT INTERSECTION ROYOUT FOR INTEGRAL CURR AND CUTTER
13010-03	HAA LONGTHIDTNAL JOINTS
$14^{02}-01$	THE DIANTING DETAIL
15002-004	RADICADES AND STORS FOR MATHITRE CLOSIDES
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15002-096	DETOILS STONTAGE OF MATINI THE CLOSURES
15002 050	BADDICADES AND STORS FOR STOREDOAD CLOSINES
15007-155	DAVENENT MADING COD BIVE I ANES
15008-234	PAVEMENT MANNENT FOR BIRE LANES
15c11_10p	CHANNELTZTUC DEVICES DDIMS CONES BADDICADES AND VEDTICAL DANELS
15012-108	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL FAMELS
15C18_08B	MEDIAN ISLAND MARKING FAVEMENT MARKINGS
15020-084	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C29-00A	STOP I THE AND CROSSWALK DAVEMENT MADUTAC
15028-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15020-04	TRAFFIC CONTROL, WORK ON SHOULDER ON FARTING LANE, UNDIVIDED ROADWAT
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15030-096	TRAFFIC CONTROL, FEDESIRIAN ACCOMMODATION
15030-090	TRAFFIC CONTROL, FEDESIRIAN ACCOMMODATION
12D30-00L T3D30-03D	TRAFFIC CONTROL, PEDESIRIAN ACCOMMODATION
12030-00k	TRAFFIC CONTROL, PEDESIRIAN ACCOMMODATION
TJD20-03K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

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08D01-23b

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	OD OTUED	OBSTRUCTIONS IN EDONIT OF RAMP	
JIURES, JUNCTION DURES	OK UTHER	OBSTRUCTIONS IN FRONT OF RAME	

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.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF

THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED

±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED

PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

 $\frac{1}{2}$ " EXPANSION JOINT SIDEWALK
 CONTRACTION JOINT FIELD LOCATED

IIIIIIIIII PAVEMENT MARKING CROSSWALK (WHITE)

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CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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= 9	9' - 0"	W = 1	0' - 0"			
	Y	x	Y	LEGEN	ID	
i"	7' - 2 1⁄2"	0' - 10 ¾"	7' - 7 1⁄4"		72" EXPANSION JOINT SIDEWALK	
2"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"		CONTRACTION JOINT SIDEWALK	
4 "	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"	11111111111	PAVEMENT MARKING CROSSWALK (WHITE)	
		4' - 10 ¾"	19' - 8 ¼"	J	oncoomien (minie)	
TIC	ON BOXES	OR OTHER	OBSTRUC	CTIONS IN FRONT OF	F RAMP ACCESS AREAS.	
	RKMANSHI	P NOT SHO		HIS DRAWING SHALL		
۱LL	ED AS A G	ROUP OR S	SIDE BY SI	DE, SHALL BE FROM	I THE SAME MANUFACTURER.	
	ND THE C		SLOPE SH	HALL NOT EXCEED 1		
A	LLOWED. S	LOPE OF C	CURB HEA	D OPENING SHALL N	MATCH THE RAMP SLOPE,	
NΑ	DJACENT	TO 1.5% LA	ANDING, CO	ONSTRUCT CURB HE	EAD OPENING AT 1.5% IN	
тн	FLATTENE		R FLAG SLO	OPE AND NOT TO EX	CEED 11% GRADE CHANGE	
ĸ	JRUSS SLU	PE. THE S	IDEWALK	CRUSS SLOPE SHAL	LINUT EXCEED 2% WITHOUT	
E)	IN ANY DIR	ECTION O	F PEDEST	RIAN TRAVEL. STAN	DARD LEVEL LANDING SIZE IS	
5 I	FEET, USE	RADIAL DE	TECTABL	E WARNING FIELD PI	ER SDD 8D5-f.	
RE	CTION OF	WHEELCH	AIR TRAVE	EL.		
ΗEI	R PAY ITEN	IS). DO NO	T MARK TI	RANSITION NOSE.		
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	ISON	IETRIC	VIEW	FOR TYPE 4	В	
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	ISOM	ETRIC	VIEW	FOR TYPE 4	31	5-21
	ISOM	ETRIC	VIEW	FOR TYPE 4	31	05-21
	ISOM	ETRIC	VIEW	FOR TYPE 4	JRB RAMPS	1005-21
	ISOM	ETRIC		FOR TYPE 4	JRB RAMPS	<b>D8D05-21</b>
	ISOM	ETRIC		FOR TYPE 4 CL TYPI	JRB RAMPS E 4B AND 4B1	08D05-21
	ISOM	ETRIC		FOR TYPE 4 CL TYPI	B1 JRB RAMPS E 4B AND 4B1	D 08D05-21
	ISOM	IETRIC		FOR TYPE 4 CL TYPI STA DEPARTME	B1 JRB RAMPS E 4B AND 4B1 TE OF WISCONSIN INT OF TRANSPORTATION	DD 08D05-21

![](_page_68_Figure_0.jpeg)

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![](_page_69_Figure_0.jpeg)

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![](_page_70_Figure_0.jpeg)

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# **RECTANGULAR AND RADIAL** DETECTABLE WARNING PLATES

DEPARTMENT OF TRANSPORTATION

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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![](_page_71_Figure_0.jpeg)

![](_page_71_Figure_1.jpeg)

![](_page_71_Figure_8.jpeg)

![](_page_71_Figure_9.jpeg)

![](_page_71_Figure_10.jpeg)

![](_page_71_Figure_13.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.

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







(WHEN REQUIRED BY THE ENGINEER)





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#### **TRACKING PAD**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.





SIDE ELEVATION DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

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DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REIN-STALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

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#### CONDUIT

#### STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED March, 2017 DATE

/S/ Ahmet Demirbilek STATE ELECTRICAL ENGINEER

FHWA

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/2".

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.







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DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ENSION ICHES		CORRUGATED STEEL PIPE								
AMETER IDE)	А	12	12	12	18	18	18	24	24	24
IGTH <b>**</b>	В	24	30	36	24	30	36	36	42	48
IICKNESS	С	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
VER	D	10 1⁄4	10 1⁄4	10 1⁄4	16 1⁄4	16 1⁄4	16 1⁄4	22 <b>1⁄</b> 4	22 <b>1⁄</b> 4	22 <b>1⁄</b> 4
AME	Е	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
AME	F	81/2	8 ½	8 ½	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½
ME	G	11 ½	11 ½	11 ½	17 ½	17 ½	17 ½	23 ½	23 ½	23 ½
WEIGHT IN POUNDS*										
AND COVER		60	60	60	110	110	110	155	155	155

#### TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

***** THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL

CAL USE)	
TALLATIÓN	

**PULL BOX** 

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2022 DATE

/S/ Ahmet Demirbile STATE ELECTRICAL ENGINEER 6

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BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

(2) (4) 1" DIA. X 3' - 6" ANCHOR RODS.

(4) 1" DIA. X 5' - 0" ANCHOR RODS.

(6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

(7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

(4) 1" DIA. X 3' - 6" ANCHOR RODS.

(6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

(10) 5/8" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

ANY ANCHOR ROD PROJECTION SHORTER THAN 2 3/7 OR LONGER THAN 3 1/7 SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

(12) FOR NON - BREAKAWAY INSTALLATIONS,  $4\frac{1}{2}$ " ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

#### **CONCRETE BASES TYPES 1, 2, 5, & 6**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2019 DATE

/S/ Ahmet Demirbile STATE ELECTRICAL ENGINEER 6

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DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE I" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO \$4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A  $\frac{1}{4}$ " - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER -THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

1'-1" NOMINAL

BOTTOM VIEW

TYPICAL MECHANICAL

CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

(TRANSFORMER BASE)



6

TOP

BOTTOM



# **GENERAL NOTES**

ARM

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT. SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING. ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES. POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT. TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE. TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888". TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196"). THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 % Inches in outside diameter. The straight portion of the slipfitter end of the luminaire mast arm shall BE A NOMINAL 12 INCHES IN LENGTH. WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER 1 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS (2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 %" HOLE IN POLE SHAFT FOR WIRING. (3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. (4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 1/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT. (5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE. 6 INTERNAL DUMBBELL - TYPE VIBRATION DAMPER. -(4) VENTILATED METALLIC CAP AND BOLT SINGLE MEMBER TRUSS - TYPE 6 MAST ARM BACKSIDE AND FRONTSIDE CLAMPS SHALL ALLOW TYPICAL INTERCHANGEABLE MOUNTING AS SHOWN VERTICAL CLAMP GAP SHALL BE EQUAL ON BOTH SIDE OF POLE **INTERCHANGEABLE MOUNTING DETAIL** ١Ņ ~ .

#### POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



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REQUIREMENTS OF THE CONTRACT.

SIGN BRIDGE ETC

FOR CLARITY





**EQUIPMENT GROUNDING** CONDUCTOR SLACK

UNGROUNDED CONDUCTOR SLACK (AND GROUNDED NEUTRAL SLACK IN GROUNDED NEUTRAL SYSTEM)

## **TYPICAL CONDUCTOR SLACK AT HANDHOLES**



#### HANDHOLE GROUNDING LUG

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

# 1 POLE (1P) 2 POLE (2P)

#### **FUSE ASSEMBLIES**



PHASE TO PHASE SYSTEMS 1-¢ SHOWN; 3-¢ DELTA SIMILAR (SEE GENERAL NOTE)



GROUNDED NEUTRAL SYSTEMS 1-ф



NOTE: REQUIRED CONDUCTOR SLACK NOT SHOWN ON "CUTAWAY HAND HOLE" DETAILS FOR DRAWING CLARITY, SEE "TYPICAL CONDUCTOR SLACK AT HANDHOLES" ON THIS SHEET

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DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT

USE THIS DETAIL IN CONJUNCTION WITH THE ELECTRICAL DETAILS FOR THE APPLICATION, WHICH MAY BE A LIGHT POLE,

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLE GROUNDING LUG TO THE CONNECTOR.

THREE POLE WIRES ARE SHOWN FOR A SINGLE LUMINAIRE LIGHT POLE. THREE ADDITIONAL POLE WIRES REQUIRED FOR TWIN LUMINAIRE LIGHT POLES ARE OMITTED FROM THE DRAWING FOR CLARITY. IN THE TWIN POLE CASE, BUNDLE EACH SET OF THREE WIRES WITH A NYLON CABLE TIE.

IN 3-PHASE SYSTEMS, THERE WILL BE ONE MORE UNGROUNDED LINE WIRE, WHICH IS OMITTED FROM THE DRAWING

CIRCUIT TAGS SHALL BE INSTALLED ONLY WHERE REQUIRED IN THE SPECIAL PROVISIONS.

#### CONDUCTOR COLOR CODES

KEY	CONDUCTOR	COLOR
3	UNGROUNDED LINE WIRE	★
4	GROUNDED LINE WIRE	WHITE
5	SYSTEM GROUNDING LINE WIRE	GREEN
6	GROUNDING ELECTRODE CONDUCTOR	BARE
11	UNGROUNDED POLE WIRE	★
12	GROUNDED POLE WIRE	WHITE
13	EQUIPMENT GROUNDING POLE WIRE	GREEN

★ FOLLOW COLOR CODING SHOWN IN THE PLANS. WHERE THE PLANS DO NOT SHOW COLOR CODING, USE BLACK FOR SINGLE LUMINAIRE POLES; BLACK AND RED FOR TWIN LUMINAIRE POLES.

- (1) HANDHOLE AND COVER
- 2 INSULATED SPLICE
- (3) UNGROUNDED LINE WIRE
- (4) GROUNDED LINE WIRE
- (5) SYSTEM GROUNDING LINE WIRE
- 6 GROUNDING ELECTRODE CONDUCTOR
- (7)HANDHOLE GROUNDING LUG
- (8) FUSE ASSEMBLY, 1P OR 2P AS REQUIRED
- (9) CIRCUIT TAG (SEE GENERAL NOTE)
- 10 REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTOR (NOT INSULATED)
- (1) UNGROUNDED POLE WIRE
- (12) GROUNDED POLE WIRE
- (13) EQUIPMENT GROUNDING POLE WIRE

#### **ELECTRICAL HANDHOLE** WIRING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2022 DATE

/S/ Ahmet Demirbile STATE ELECTRICAL ENGINEER

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DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

USE THIS DETAIL IN CONJUNCTION WITH THE DETAIL FOR ELECTRICAL HANDHOLE WIRING, SDD10A01.

USE TIME DELAY FUSE PER LUMINAIRE MANUFACTURER RECOMMENDATION.

THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLD GROUNDING LUG TO THE CONNECTOR.

WIRING FOR SINGLE LUMINAIRE POLES IS SHOWN WITH SOLID LINES. WIRING FOR THE SECOND LUMINAIRE OF TWIN LUMINAIRE POLES IS SHOWN WITH DOTTED LINES.

THE PLANS WILL SHOW WHICH CIRCUIT LEG(S) ARE CONNECTED TO EACH INSTALLATION.



**TYPICAL WIRING DIAGRAM** GROUNDED NEUTRAL SYSTEM 1 - \$\ophi 240 / 480VAC 3 WIRE OR 480VAC 2 WIRE



A,B,X,Y,Z	UNGROUNDED CIRCUIT CONDUCTORS
Ν	GROUNDED CIRCUIT CONDUCTORS
GND	EQUIPMENT GROUNDING CONDUCTOR
Р	POLE (ELECTRICAL CIRCUIT)
φ	PHASE (ELECTRICAL CURRENT)
- <u>0</u> -	HANDHOLE GROUND LUG
	SINGLE-POLE (1P) FUSE ASSEMBLY
- <u>[</u> ]	UNFUSED LUMINAIRE
	EQUIPMENT GROUNDING ELECTRODE
ο	TERMINAL
•	SPLICE
	CONDUCTOR
	EXOTHERMIC WELD

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# ELECTRICAL DETAILS GROUND MOUNT LIGHT POLES GROUNDED NEUTRAL SYSTEM

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED November 2018 DATE

/S/ Ahmet Demirbilek STATE ELECTRICAL ENGINEER SDD 10A06

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SDD **13B01-1** σ

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DATE

STATE RAILROAD ENGINEERING AND SAFETY SUPERVISOR



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## **GENERAL NOTES**

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES

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

#### CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE

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

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# **GENERAL NOTES**

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

(1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.

2 SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT

(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

5 INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.

(6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.

#### **PAVEMENT DEPTH, DOWEL BAR SIZE** AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING		
6", 6 ½"	NONE	12'		
7", 7 ½"	1"	14'		
8" & ABOVE	1 ¼"	15'		

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#### **URBAN DOWELED CONCRETE PAVEMENT**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED November 2022 DATE

/S/ Peter Kemp P.E PAVEMENT SUPERVISOR



AVOID

AND AC

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

1 PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.

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## **GENERAL NOTES**

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN  $60^\circ$  BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE  $90^\circ$  ANGLES WHEN POSSIBLE.

(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.





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#### CONCRETE PAVEMENT JOINTING

**SKEWED INTERSECTION** 

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



# **SDD 13C18 08**b



MAX.

TIE BAR

SPACING

36"

36"

24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

TIE BAR

LENGTH (L)

30"

36"

30"

****** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

(5)-





- (1) USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
- (2) SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
- ③ LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
- (4) CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
- (5) IF JOINT IS FORMED, PROVIDE A 1/4" RADIUS.
- (6) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



#### TIED LONGITUDINAL

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#### TIED LONGITUDINAL TO EXISTING





## **GENERAL NOTES**

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.

(4) IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

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#### CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

/S/ Peter Kemp P.E. PAVEMENT SUPERVISOR

FHWA



(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

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## **CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

/S/ Peter Kemp P.E. PAVEMENT SUPERVISOR

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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.

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

July 2018 DATE

# SDD 15C7-e Pavement Marking For Bike Lanes



**GENERAL NOTES** 



* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

- 2" MIN. 2

NOTE: TYPICALLY LEFT OF CENTER

LINE IN THE -

OF TRAFFIC

JOINT LINE

*6" EDGE LINE (WHITE) -

DIRECTION

 $\Box$ 

 $\Box$ 

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

• •



**TWO WAY TRAFFIC** 

ONE WAY TRAFFIC

BLACK LAG

MARKING

SHOULDER

6" EDGE LINE (YELLOW) -

2" MIN. 2

SHOULDER

2

3" 🗐

**PERMANENT PAVEMENT MARKING** 

T

50'

LANE LINE

– MARKING

(WHITE)

SDD 15C08-23a

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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

**3a** 

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#### PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

/S/ Jeannie Silver STATEWIDE SIGNING AND MARKING ENGINEER

- (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 November 2022 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER



SDD 15C18-08a

#### **GENERAL NOTES**

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

DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

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

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15C18-08a

SDD

## **MEDIAN ISLAND PAVEMENT MARKINGS**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

/S/ Jeannie Silver STATE SIGNING AND MARKING ENGINEER



WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.



ISLAND NOSE MARKING

CURB MARKING



CORRUGATED MEDIAN MARKING



DIRECTION OF TRAVEL

Ω C18-08 Ň ς Δ SD

6

#### **PAVEMENT MARKINGS,** MEDIAN ISLAND NOSE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

/S/ Jeannie Silver STATE SIGNING AND MARKING ENGINEER



SDD 15C29-08a



SDD 15C33 - 04










NARROW SIDEWALK PASSING DETAIL



**TEMPORARY PEDESTRIAN ACCESS** 



BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

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

## TEMPORARY PEDESTRIAN BARRICADE*

### **TRAFFIC CONTROL**, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

5 60 . 15D30 SDD



SDD 15030 . 60 ŏ

6

### **TRAFFIC CONTROL**, PEDESTRIAN ACCOMMODATION

6

Ω **|60** .

**5D30** 

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

### **GENERAL NOTES**

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

- AND SHALL BE BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".
- THE PLANS
- LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- (4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
- (5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.





WITH PROTECTIVE EDGE

### **TEMPORARY CURB RAMP PERPENDICULAR TO CURB**

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

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

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

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

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

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

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

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

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### **TRAFFIC CONTROL**, **PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION





TERRACE VARIABLE

____ 10% MAX.

└── 10% MAX.

А

4' - 0" MIN.

5' - 0" DES.

TEMPORARY SIDEWALK

4' MIN.

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

DETECTABLE

WARNING FIELD

Α

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

IEMPORARY SIDEWALK

TERRACE VARIABLE

### **GENERAL NOTES**

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

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

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

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

★ USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

6

# 5D30-09d ~ SDD

### **TRAFFIC CONTROL**, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER





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### **TRAFFIC CONTROL**, **PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



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

### GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4. 2. If signs are mounted on or behind barrier wall. see A4-10 sian plate. The Double Arrow sign (W12-1D) shall be mounted at a height of  $2'-3''(\pm)$ . The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52). Mile Markers (D10 series). In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3'' (+). 3. For expressways and freeways, mounting height is 7'- 3" ( $\pm$ ) or  $6'-3''(\pm)$  depending upon existence 4. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (+). 5. Offset distance shall be consistent with existing signs or consistent throughout length of project. 6. The (+) tolerance for mounting 7. Folding signs shall be mounted at a height of 5'-3"  $(\pm)$  or as directd by the Engineer.

)	
	TYPICAL INSTALLATION
	OF PERMANENT TYPE II
	SIGNS ON SINGLE POSTS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthew & Rauch For state Traffic Engineer
	DATE <u>5/13/202</u> 0 PLATE NO. <u>44-3.22</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

7

GENERAL NOTES

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

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

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

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

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

PLOT SCALE : 108.188297:1.000000

WISDOT/CADDS SHEET 42



7

3 fasteners.

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

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

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

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





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

# GENERAL NOTES

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

	4	Хe	ô	WOO	DF	POST				
		MOD	IF	FICA	TI	SNC				
	WISC	WISCONSIN DEPT OF TRANSPORTATION								
	APPROVE	D		hester .	Γέ	Spang				
	for State Traffic Engineer									
	DATE 3	/27/9	<u>17</u>	PLA	TE NO	<u>A4-11.2</u>	2			
			9	SHEET	N0:		Ε			
OT SCALE	E:6.20 <b>7</b> 33	8:1.0000	000	WISD	от/с	ADDS SHEE	т 42			



FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn

7

PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h 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

<u>SE</u>	<u>e detail b</u>
	STANDARD SIGN
	SIGN BANDING DETAILS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthe Rauch
	DATE 6/10/19 PLATE NO. 45-9.4
	SHEET NO: E
PLOT SCAL	E:\$\$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  $1^{1}/_{4}$ " O.D. X  $\frac{3}{8}$ " I.D. X  $\frac{1}{16}$ "
- OR TYPE E EACE SIGN

 $\times$  LAG BOLTS SHALL BE  $\frac{3}{8}$ " X 2¹/₂"

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgr

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 Matthew R Rauch
≁or State Traffic Engineer
DATE <u>4/19/2022</u> plate no. <u>45-10.3</u>
SHEET NO: E
i i i i i i i i i i i i i i i i i i i

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	1	S	r and af	RD SI	GN				
Z	sq. ft.	m2		G20-2A							
	4.5	0.41									
	8.0	0.72		WISCONSIN DEPT OF TRANSPORTATION							
	8.0	0.72		APPROVED	M.#	, D	0 1				
	8.0	0.72		_ ranner & Rauch							
		0.70			Sto	te Traffic Engir	heer				
	8.0	0.72		DATE <u>9/3</u>	0/09	PLATE NO.	<u>G20-2A</u>	.8			
				•	SHEET	NO:		Ε			
PLOT SCALE : 5.561773:1.000000 WISDOT/CADDS SHEET											



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

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

7 Areg	STANDARD SIGN							
∠ sq. tt.	M4 - 8							
2.0	WISCONSIN DEPT OF TRANSPORTATION							
4.5	APPROVED Matther & Rauch							
	DATE <u>11/10/10</u> PLATE NO. <u>M4-8.2</u>							
	SHEET NO: E							
PLOT SCALE : 4.7	67233:1.000000 WISDOT/CADDS SHEET 4							



M4-9BR

SIZE	A	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y
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2	30	24	1 1/8	3⁄8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5⁄8	11 3⁄4	7	6	2									
3																									
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FILE	NAME : C:	\CAEfile	s\Project	ts\tr_std	plate\M49	9B.dgn										PLOT DAT	E : 1-JUL	2019 1:	57	PLOT	BY : msc	j9h		PLOT NAM	E :

- 2. Color:
- 3. Message Series D

- is reversed.

```
NOTES
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```
1. Sign is Type II-Type F Reflective
   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.
5. M4-9BL is the same as M4-9BR except the arrow
```





FILE NAME . C.\CAEfiles\Projects\tr_stdolate\M51 DGN

PLOT DATE . 01-DEC-2015 18.07

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

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NOTES
1. Signs are Type II - Type H reflective except as shown
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.
            M5-1 and M5-2
                             Background - White
                    Message - Black
  MB5-1 and MB5-2 Background - Blue
                              Message - White
  MK5-1 and MK5-2 Background - Green
                             Message - White
  MM5-1 and MM5-2 Background - White
                    Message - Green
  MN5-1 and MN5-2 Background - Brown
                             Message - White
  M05-1 and M05-2 Background - Orange - Type F Reflective
                    Message - Black
  MP5-1 and MP5-2 Background - White - Type H Reflective
                    Message - Blue
  MR5-1 and MR5-2 Background - Brown
                             Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.
```

	Aree	STANDARD SIGN	
Z	sq. ft.	M5-1 & M5-2	
	3.06	WISCONSIN DEPT OF TRANSPORTATION	
	6.25	APPROVED Matthe P. P.	
	C 05	T'un March Rallich	-
	6.25	<i>for</i> State Traffic Engineer	
	6.25	DATE 10/15/15 PLATE NO. M5-1.13	_
		SHEET NO:	Ε



FILE NAME · C·\CAEfiles\Projects\tr_stdplate\M61_DCN

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PINT DATE . 01-DEC-2015 17.57 PINT RY . \$\$ 010

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

e II - Type H except as Shown - See note 4 See note 4 pe square or rounded when base ywood but borders shall be rounded	
- See note 4 See note 4 De square or rounded when base wood but borders shall be rounded	
be square or rounded when base wood but borders shall be rounded	
n base material is metal, the porders shall be rounded.	
2 Background – White Message – Black	
-2 Background - Blue Message - White	
-2 Background - Green Message - White	
-2 Background - White Message - Green	
5-2 Background - Brown Message - White	
5-2 Background – Orange – Type F Reflective Message – Black	)
-2 Background - White Message - Blue	
5–2 Background – Brown Message – Yellow	

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Z	Årea sq. ft.	ST/ Me	ANDAF 5-1 8 SEF	RD SIGN & M6-2 RIES	N	
	3.06	WISCONSIN	DEPT OF	TRANSPORT	ATION	
	6.25	APPROVED	Matthe	, P.P.		1
	6.25		For State	Traffic Engineer	ww	ሥ
	6.25	DATE 10/15.	/15	PLATE NO	16-1.1	5
			SHEET	NO:		Ε



FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN

PLOT DATE : 22-AUG-2017 07:19 PLOT BY : \$\$...plotuser...\$\$ PLOT NAME :

7

NOTES

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

STANDARD SIGN
R1-1
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch For State Traffic Engineer
DATE <u>11/12/15</u> PLATE NO. <u>R1-1.13</u>
SHEET NO: E
PLOT SCALE : 4.427909:1.000000 WISDOT/CADDS SHEET 42



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	4	36		1 5/8	5⁄8	3⁄4	15 3⁄4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3⁄2	1 7 1/2	9	3⁄4											9.
	5	48		2 1/4	3⁄4	1	21	8	15	4	3	5	45°	17	10	12	1											16.
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	FILE NA	ME : C:	\Users\F	PROJECTS	tr_stdp]	Late\R32	.DGN										PL	OT DATE	: 08-DEC	-2010 14	:41	PLOT	BY : dots	sja		PLOT NAM	4E :	

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R32.DGN

PLOT DATE : 08-DEC-2010 14:41

PLOT NAME :

### NOTES

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

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



	_				NOTES
		ONLY (B)	(C)	>	<ol> <li>Sigs are Type II - T</li> <li>Color:         <ul> <li>Background - White</li> <li>Message - Black</li> </ul> </li> <li>Message Series - D</li> <li>Use appropriate Letter</li> <li>Each letter added mage</li> <li>Square footage of s</li> <li>1 Letter = 3.75 s</li> </ol>
					6.0 sq 10.0 sc 2 Letters = 7.5 sq 12.0 sc 20.0 s 3 Letters = 11.25 s 18.0 sc 30.0 s
7		(E) $(E)$ $(E)$ $(E)$ $(E)$ $(E)$ $(E)$ $(E)$ $(E)$ $(E)$	(F) (F) ONLY (R)	(G)	4 Letters = 15.0 so 24.0 s 40.0 s 5 Letters = 18.75 s 30.0 s 50.0 s 6 Letters = 22.5 so 36.0 s 60.0 s 6. When letters C,I
	PROJECT NO:				Right end of th Add the amount these letters a 1.25 sq ft for S 1.5 sq ft for S 2.0 sq ft for S

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

PLOT NAME :

Type H Reflective

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ter for Sign Code
akes sign wider. Example R3-8EAR
sign varies by letters
sq ft for Size 2
ft for Size 3
a ft for Size 4 or 5
ft for Size 2
g ft for Size 3
sq ft for Size 4 or 5
sq ft for Size 2
g ft for Size 3
sq ft for Size 4 or 5
g ft for Size 2
sa ft for Size 3
sq ft for Size 4 or 5
sq ft for Size 2
sq ft for Size 3
sq ft for Size 4 or 5
                                       7
a ft for Size 2
sa ft for Size 3
sq ft for Size 4 or 5
D.G.H are used on the Left or
he sign the Sq.Ft.changes.
s when
                 STANDARD SIGN
re used:
                   R3-8 Series
Size 2
               WISCONSIN DEPT OF TRANSPORTATION
Size 3
             APPROVED Matther
Size 4 or 5
                                alle
                     For State Traffic Engineer
              DATE <u>5/21/19</u> PLATE NO. <u>R3-8.1</u>
                      SHEET NO:
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SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	м	N	0	P	۵	R	S	Т	U	V	W	Х	Y	
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2M	30	18	1 3/8	1/2	5⁄8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3⁄8	4 3/4	2 5/8	14							
3	36	24	1 3/8	1/2	5⁄8	5	22 3⁄4	3 3/4	1 3⁄4	2 3⁄4	12		3		17 5⁄8	1/2	5 3⁄4	3 1/8	16 3⁄4							
4	48	30	2 1/4	3⁄4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3⁄4	5⁄8	7 5/8	4 1/4	22 3/8							
5	48	30	2 1/4	3⁄4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3⁄4	5⁄8	7 5/8	4 1/4	22 3/8							
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FILE NA	ME : C:	CAEfiles	): HWY: (C													PLOT D	DATE : 21	-MAY 2019	9 4:38	PL	OT BY :	mscj9h		PLOT	NAME :	

2. Color:





SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	Ν	0	Ρ	Q	R	S	Т	U	V	W	Х	Y	Z
1																										
2S	30	18	1 3⁄8	1/2	5⁄8	4	11 5⁄8	3  /8	8  /8	4	4  / ₂	11 1/2	2 1/2	4	14	³ /8	4 3⁄4	2 5/8	14	3 7/8	2 1/8					
2M	30	18	1 3/8	1/2	5⁄8	4	11 5/8	3  /8	8  /8	4	4  / ₂	11 1/2	2 1/2	4	14	3⁄8	4 3⁄4	2 5/8	14	3 1/8	2 1/ ₈					
3	36	24	1 3/8	1/2	5⁄8	5	14	3 1/2	9 3⁄4	6	5 3/8	15	3	6	17 5⁄8	1/2	5 3⁄4	3 1/8	16 ¾	4 5/8	2 1/2					
4	48	30	2 1/4	3⁄4	1	6	18 5/8	5  /8	13 1⁄8	6  /8	7 1/4	18	4	8	21 3⁄4	5⁄8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8					
5	48	30	2 1/4	3⁄4	1	6	18	5 1/8	13 1⁄8	6  /8	7 1/4	18	4	8	21 3⁄4	5⁄8	7 5/8	4 ¹ / ₄	22	6 1/4	3 3/8					
PRO	JECT	NO:																								

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

```
NOTES
```

```
1. Sign is Type II - Type H Reflective
    Background - White
    Message – Black
```

Message Series - D

Z	Area sq. ft.	STANDARD SIGN
		P3-8 (R) Arrow
	3.75	T(J O (D) ATTOW
	3.75	WISCONSIN DEPT OF TRANSPORTATION
	6.0	APPROVED Matthew & Rouch
	10.0	For State Traffic Engineer
	10.0	DATE <u>5/21/19</u> PLATE NO. <u>R3-8.1</u>
		SHEET NO: E









SIZE	А	В	С	D	E	F	G	н	I	J	к	L	М	N	0	P	Q	R	S	Т	U	V	W	Х	Y	Γ
1																										
25	30	24	1 3/8	1/2	5⁄8		15 5/8	4 1/2	6 1/8		14 3⁄4	11 1/2	2 3/8	7	13 1/4	3⁄8	4 1/2	2 1/2	14		18					
2M	30	24	1 3/8	1/2	5⁄8		15 5/8	4 1/2	6 7/8		14 3⁄4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18					
3	36	30	1 3/8	1/2	5⁄8		18 3⁄4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 ½	3	16 3⁄4		24					
4	48	36	2 1/4	3⁄4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5⁄8	7 1/8	4	22 3/8		30					
5	48	36	2 1/4	3⁄4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5⁄8	7 1/8	4	22 3/8		30					
PRC	JECT	NO:					н	WY:					COU	NTY:												
FILE N	AME : C:	\CAEfile	es\Project	ts\stdplc	te_R38.de	gn	•									PLOT DA	TE : 21-M	MAY 2019	4:38	PL0	T BY : ms	cj9h		PLOT N	AME :	

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

7

PLOT DATE : 21-MAY 2019 4:38

2. Color:









SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y	
1																										
2S	30	24	1 3/8	1/2	5⁄8		15 5/8	4 1/2	5	1 7/8	14 ³ ⁄4	11 1/2	2	7	13 1/4	3⁄8	4 1/2	2 1/2	14		18					
2M	30	24	1 3/8	1/2	5⁄8		15 5/8	4 1/2	5	1 1/8	14 3⁄4	11 1/2	2 3⁄8	7	13 1/4	3⁄8	4 1/2	2 1/2	14		18					
3	36	30	1 3/8	1/2	5⁄8		18 3⁄4	5 ½	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 ½	3	16 3⁄4		24					
4	48	36	2 1/4	3⁄4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3⁄4	11 1/ ₈	21 1/4	5⁄8	7 1/8	4	22 3/8		30					
5	48	36	2 1/4	3⁄4	1		24 7/8	7 1/4	7 7/8	3  /8	23	18	3 3⁄4	11 1/8	21 1/4	5⁄8	7 1/8	4	22		30					
PRO	JECT	NO:					н	NY:					COUI	NTY:												

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

7

PLOT DATE : 21-MAY 2019 4:38 PLOT BY : mscj9h PLOT NAME :

```
NOTES
1. Sign is Type II - Type H Reflective
    Background - White
    Message – Black
3. Message Series - None
```



	ENDS	MIDDLE		
Ζ	Area sq. ft.	Area sq. ft.		STANDARD SIGN
				R3-8 (D) Arrow
	5.0	3.75		T(5 6 (D) ATTOW
	5.0	3.75		WISCONSIN DEPT OF TRANSPORTATION
	7.5	6.0		APPROVED Matthew R Rauch
	12.0	10.0		$f_{or}$ State Traffic Engineer
	12.0	10.0	]	DATE <u>5/21/19</u> PLATE NO. <u>R3-8.1</u>
				SHEET NO:
	PI	LOT SCAL	E:\$	\$plotscale\$ WISDOT/CADDS SHEET 42

2. Color:



SIZE	А	В	С	D	E	F	G	н	I	J	K	L	М	N	0	P	Q	R	S	Т	U	V	W	Х	Y	
1																										
2S	30	18	1 3/8	1/2	5⁄8		18  /4	4 3⁄4	3 1/4	3	12 ½	5 ½	2 1/2	13 1/4	5 ½	3⁄8	4 3/4	2 5/8	14							
2M	30	18	1 3/8	1/2	5⁄8		18  /4	4 3⁄4	3 1/4	3	12 1/2	5 ½	2 1/2	13 1/4	5 1/8	3⁄8	4 3/4	2 5/8	14							
3	36	24	1 3/8	1/2	5⁄8		21 7⁄8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3⁄4	3 1/8	16 3⁄4							
4	48	30	2 1/4	3⁄4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 ½	4	21 1/4	8 1/4	5⁄8	7 5/8	4 1/4	22 3/8							
5	48	30	2 1/4	3⁄4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 ¹ /4	5⁄8	7 5/8	4 1/4	22 3/8							
PRC	JECT	NO:					HV	WY:					COU	NTY:												
FILE N	AME : C:	\CAEfile	es\Project	s\stdplc	ite_R38.d	gn	I						-1			PLOT DA	TE : 21-	MAY 2019	4:38	PLO	T BY : ms	cj9h		PLOT NA	ME :	-

7



1. Sign is Type II - Type H Reflective 2. Color: Background - White Message - Black

3. Message Series - None



7

1

3

4

5

PLOT DATE : 21-MAY 2019 4:38 PLOT BY : mscj9h PLOT NAME :

Y

# NOTES



<u>Z</u>	Area sq. ft.		STANDARD STGN
			R3-8 (E) Arrow
	3.75		113 0 117 ATTOW
	3.75		WISCONSIN DEPT OF TRANSPORTATION
	6.0		APPROVED Matthew R Rauch
	10.0		For State Traffic Engineer
	10.0		DATE <u>5/21/19</u> PLATE NO. <u>R3-8.1</u>
			SHEET NO:
	Pl	_OT SCALE : \$	\$plotscale\$ WISDOT/CADDS SHEET 42

1. Sign is Type II - Type H Reflective

2. Color:





SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	Ν	0	Р	Q	R	S	Т	U	V	W	Х	Y
1																									
2S	30	24	1 3/8	1/2	5⁄8		15 ⁵ ⁄8	4  / ₂	6 7/8		14 ³ ⁄4	11  /2	2 3⁄8	7	13 1/4	3⁄8	4 ¹ / ₂	2 1/2	14		2 1/8				
2M	30	24	1 3/8	1/2	5⁄8		15 ⁵ ⁄8	4  / ₂	6 7/8		14 3⁄4	11  /2	2 3/8	7	13 1/4	3⁄8	4 ¹ / ₂	2 1/2	14		2 1/8				
3	36	30	1 3/8	1/2	5⁄8		18 ³ ⁄4	5 1/2	8 1/4		17 1/4	17  /4	2 7⁄8	8 3⁄8	16	1/2	5 ½	3	16 3⁄4		2 1/2				
4	48	36	2 1/4	3⁄4	1		24 7/8	7 1/4	11		23 1/8	18	3 3⁄4	11 1/8	21 1/4	5⁄8	7 1/8	4	22		3 3/8				
5	48	36	2 1/4	3⁄4	1		24 7/8	7 1/4	11		23  /8	18	3 3⁄4	11 1/8	21 1/4	5⁄8	7 1/8	4	22		3 3/8				
PRO	JECT	NO:					нν	VY:					COU	NTY:											
FILE N	AME : C:	CAEfile	s\Project	∙s\stdpla	te_R38.de	gn	•									PLOT DA	TE : 21-N	AY 2019	4:38	PLO	T BY : ms	cj9h		PLOT NA	ME :

7

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

# NOTES

Background - White

Message – Black

3. Message Series - None

Z	Area sq. ft.		STA	NDAF	RD SIG	N	
	5.0		K3-4	8 (6	) Arr(	S W	
	5.0		WISCONSIN	DEPT OF	- TRANSPOR	TATION	
	7.5		APPROVED	atthe.	, R K	Juch	
	12.0		// /	for State	Traffic Engineer	- and I	-
	12.0		DATE <u>5/21</u>	/19_	PLATE NO	R3-8.1	<u> </u>
			1	SHEE	F NO:		Ε
	Pl	_OT SCALE : \$	\$plotscale.	••••** _{WIS}	SDOT/CADDS	SHEET	42

1. Sign is Type II - Type H Reflective 2. Color: Background - White Message – Black 3. Message Series - None





SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Γ
1																										
2S	30	24	1 3/8	1/2	5⁄8		15 ⁵ ⁄8	4 1/ ₂	5	1 7/8	14 3⁄4	11 1/2	2 3/8	7	13 1/4	3⁄8	4 1/2	2 1/2	14		2 1/8					
2M	30	24	1 3/8	1/2	5⁄8		15 5/8	4  / ₂	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3⁄8	4 1/2	2 1/2	14		2 1/8					
3	36	30	1 3/8	1/2	5⁄8		18 3⁄4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 ½	3	16 3⁄4		2 1/2					
4	48	36	2 1/4	3⁄4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5⁄8	7 1/8	4	22 3/8		3 3/8					
5	48	36	2 1/4	3⁄4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5⁄8	7 1/8	4	22 3/8		3 3/8					
PRO	JECT	NO:					н٧	VY:					COU	NTY:												

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

7

PLOT DATE : 21-MAY 2019 4:38 PLOT BY : mscj9h PLOT NAME :

# NOTES

Z	Area sq. ft.	STANDARD SIGN	
		R3-8 (H) Arrow	V.
	5.0		v
	5.0	WISCONSIN DEPT OF TRANSPORTA	TION
	7.5	APPROVED Matthew R Ray	ul
	12.0	$f_{or}$ State Traffic Engineer	
	12.0	DATE 5/21/19 PLATE NO. R	3-8.1
		SHEET NO:	E
	DI		

PLOT SCALE : \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

2. Color:

3. Message Series - None





SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	P	Q	R	S	т	U	v	W	Х	Y
1																									
2S	30	18	1 3/8	1/2	5⁄8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3⁄8	4 3/4	2 5/8	14		2 1/8				
2M	30	18	1 3/8	1/2	5⁄8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 ½	2 1/2	13 1/4	5 1/8	3⁄8	4 ³ ⁄4	2 5/8	14		2 1/ ₈				
Ŋ	36	24	1 3⁄8	1/2	5⁄8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3⁄4	3 1/8	16 3⁄4		2 1/2				
4	48	30	2 1/4	3⁄4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 ½	4	21 1/4	8 ¹ /4	5⁄8	7 5/8	4 1/4	22 3/8		3 3/8				
5	48	30	2 1/4	3⁄4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 ¹ / ₂	4	21 1/4	8 1/4	5⁄8	7 5/8	4 1/4	22 ³ / ₈		3 3/8				
PRC	48     30     2 /4     94     1     29 /8     7 /2     5 /4     5 /8     20 /2     9 /2     4     21       COJECT NO:     HWY:     COUNTY													NTY:											
FILE N	IAME : C:	\CAEfile	s\Project	s∖stdpla	te_R38.d	gn	·									PLOT DA	TE : 21-	MAY 2019	4:38	PLOT	BY : ms	cj9h		PLOT NA	AME :

С

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

7

PLOT DATE : 21-MAY 2019 4:38

PLOT NAME :

# NOTES

1. Sign is Type II - Type H Reflective Background - White Message – Black

Z	Area sq. ft.	STANDARD SIGN	
	3.75	R3-8 (I) AFFOW	
	3.75	WISCONSIN DEPT OF TRANSPORTATION	
	6.0	APPROVED Matthew & Rough	
	10.0	$f_{or}$ State Traffic Engineer	,
	10.0	DATE <u>5/21/19</u> PLATE NO. <u>R3-8.1</u>	
		SHEET NO:	Ξ
	-		

2. Color:



SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	P	Q	R	S	Т	U	V	W	Х	Y	
1																										
25	30	18	1 3/8	1/2	5⁄8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8						
2M	30	18	1 3/8	1/2	5⁄8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8						
3	36	24	1 3/8	1/2	5⁄8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3⁄4	3 1/8	16 3⁄4	4 5/8						
4	48	30	2 1/4	3⁄4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3⁄4	5⁄8	7 5/8	4 ¹ / ₄	22 3/8	6 1/4						
5	48	30	2 1/4	3⁄4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3⁄4	5⁄8	7 5/8	4 1/4	22 3/8	6 1/4						
PRC	JECT	NO:																								
FILE N	IAME : C:	\CAEfile	s\Projec	ts\stdplo	ote_R38.d	gn										PLOT DA	ATE : 21-	MAY 2019	4:38	PLO	T BY : ma	scj9h		PLOT N	AME :	

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn



```
NOTES
1. Sign is Type II - Type H Reflective
      Background - White
     Message – Black
3. Message Series - D
         A
         M
                     ARROW DETAIL
                                                       7
                             STANDARD SIGN
        Z Area
sq. ft.
                             R3-8 (L) Arrow
            3.75
                           WISCONSIN DEPT OF TRANSPORTATION
            3.75
                        APPROVED Matther
             6.0
                                               tauch
            10.0
                                 For State Traffic Engineer
            10.0
                         DATE <u>5/21/19</u> PLATE NO. <u>R3-8.1</u>
                                                    Ε
                                  SHEET NO:
```

- 2. Color:



SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	Ν	0	P	Q	R	S	Т	U	٧	W	Х	Y	
1																										
25	30	18	1 3/8	1/2	5⁄8	4	11 5⁄8	3 1/8	8 1⁄8	4	4 1/2	11 1/2	2 1/ ₂	4	14	3⁄8	4 3⁄4	2	14	3 7/8						
2M	30	18	1 3/8	1/2	5⁄8	4	11 5⁄8	3 1/8	8 1⁄8	4	4 1/2	11 1/2	2 1/2	4	14	3⁄8	4 3⁄4	2	14	3 1/8						
3	36	24	1 3/8	1/2	5⁄8	5	14	3 1/2	9 3⁄4	6	5 3/8	15	3	6	17 5/8	1/2	5 3⁄4	3 1/8	16 3⁄4	4 5/8						
4	48	30	2 1/4	3⁄4	1	6	18 5⁄8	5 1/8	13 1/8	6  /8	7 1/4	18	4	8	21 3⁄4	5⁄8	7 5/8	4 1/4	22 3/8	6 1/4						
5	48	30	2 1/4	3⁄4	1	6	18 5⁄8	5 1/8	13 1/ ₈	6 1/8	7 1/4	18	4	8	21 3⁄4	5⁄8	7 5/8	4 1/4	22 3/8	6 1/4						
PRO	JECT	NO:																								

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

7

PLOT NAME :

NOTES 1. Sign is Type II - Type H Reflective Background - White Message – Black 3. Message Series - D



Z	Area sq. ft.	STANDARD SIGN	
		R3-8 (R) Arrow	
	3.75		
	3.75	WISCONSIN DEPT OF TRANSPORTATION	
	6.0	APPROVED Matthew R Rough	
	10.0	For State Traffic Engineer	-
	10.0	DATE <u>5/21/19</u> PLATE NO. <u>R3-8.1</u>	_
		SHEET NO:	Ε

1. Sign is Type II - Type H Reflective 2. Color:

Background - White

3. Message Series - None





SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y
1																									
2S	30	18	1 3/8	1/2	5⁄8	6	1/8	18	5 1/8	4 ⁵ ⁄8	3 7/8	5 7/8	2 1/2	12 5⁄8	5 1/8	3⁄8	4 3⁄4	2	14	2 3/4	10 1/2				
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$												5 7/8	2 1/2	12 5⁄8	5 1⁄8	3⁄8	4 3⁄4	2	14	2 3/4	10 1/2				
3	36	24	1 3/8	1/2	5⁄8	2	1 7⁄8	21 5⁄8	7  /8	5  /2	5 7/8	8 1/4	3	16 3/8	6 1⁄8	1/2	5 3⁄4	3 1/ ₈	16 ¾	3 1/4	12 5/8				
4	48	30	2 1/4	3⁄4	1	2	9	28 ¾	9 3/8	7  /4	6 1/8	10	4	20 7/8	8 1/ ₈	5⁄8	7 5/8	4  /4	22	4 3/8	16 3⁄4				
5	48	30	2 1/4	3⁄4	1	2	9 1⁄8	28 ¾	9 3/8	7  /4	6 7/8	10	4	20 7/8	8 1⁄8	5⁄8	7 5/8	4  /4	22	4 3/8	16 3⁄4				
PRU	JEUI	NU:						VI																	
FILE N	AME : C:	\CAEfile	s\Project	ts\stdpla	te_R38.dq	n										PLOT DA	TE : 21-W	AY 2019	4:38	PL0	T BY : ms	icj9h		PLOT NA	.ME :

PLOT DATE : 21-MAY 2019 4:38

# NOTES

Message – Black

Z	Area sq. ft.		STANDARD SIGN				
	3.75		R3-8	3 (U)	Arrow		
	3.75		WISCONSIN	WISCONSIN DEPT OF TRANSPORTATION			
	6.0		APPROVED Matthew Rauch For State Traffic Engineer				
	10.0						
	10.0		DATE	. <u>/19</u> Pl	ATE NO. R	<u>3-8.1</u>	
				SHEET	NO:	E	
PLOT SCALE : \$\$plotscale\$\$ WISDOT/CADDS SHEET 42							



PLOT DATE : 30-MAR 2021 1:22


7

#### 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	WISCONSIN			
	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



FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R99A.DGN

.

NOTES 1. Sign is Type II - Type H Reflective 2. Color: Background - White Message - Black 3. Message Series - D 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

	r	
Area sq. ft.		STANDARD SIGN
		R9-9A
3.75		ITJ JA
3.75		WISCONSIN DEPT OF TRANSPORTATION
		APPROVED Matthew P Pur
		For State Traffic Engineer
	j	DATE <u>8/31/2020</u> PLATE NO. <u>R9-9A.1</u>
	I	SHEET NO: E
P	LOT SCALE : \$\$	Splotscale\$\$

7

PLUI SCALE : \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PLOT DATE : 31-AUG-2020 3:26 PLOT BY : dotc4c



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

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

Y	Z	Areo sq. ft.	STANDARD STON
		5.0	STANDARD STON
		7.5	R10-5
		7.5	WISCONSIN DEPT OF TRANSPORTATION
			APPROVED Matthew R Round
			$f_{ac}$ State Traffic Engineer
			DATE 11/02/10 PLATE NO. R10-5.7
			SHEET NO: E

WISDOT/CADDS SHEET 42

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

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

С-

- 2. Color:
- 3. Message Series D



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

#### NOTES

- 2. Color:
  - Background White Message - Black
- 3. Message Series C



FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R113.DGN

PLOT DATE : 14-JUNE 2021 10:04 PLOT BY : dotc4c PLOT NAME :

```
1. Sign is Type II - Type H Reflective
4. Corners may be square or rounded when base
   material is plywood but borders shall be rounded
```

#### NOTES

- 2. Color:

Background - White Message - Black

- 3. Message Series C



R11-4

SIZE	Α	В	С	D	E	F	G	н	I	J	к	L	м	N	0	P	0	R	S	Т	U	v	W	X	Y
1																									
2S	60	30	1 3/8	1/2	5%	6	5	4	2 1/2	16 1/8		1/8	23 3/8	3 1/4	3	16 3⁄4	5 1⁄4	2 1/4	24 1/4						
2M	60	30	1 3/8	1/2	5⁄8	6	5	4	2 1/2	16 1/8		1/8	23 3/8	3 1/4	3	16 3⁄4	5 1/4	2 1/4	24 1/4						
3																									
4																									
5																									
PRO	JECT	NO:					Н	WY:					COU	NTY:											
FILE N	AME : C:	\Users\P	ROJECTS	tr_stdplc	te\R114.	DGN										PLOT DA	TE : 01-	APR-2011	14:11	PLO	T BY : ma	scj9h		PLOT NA	AME :

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

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

	1	Area	
STANDARD SIGN		sq. ft.	Z
R11 - 4		12.5	
WISCONSIN DEPT OF TRANSPORTATION	W	12.5	
APPROVED Matther & Rauch	APPR		
DATE 4/1/11 PLATE NO. R11-4.3	DAT		
SHEET NO: E			
39:1.000000 WISDOT/CADDS SHEET 4	OT SCALE : 9.931739:1.	PLC	



SI	ZE	Α	В	C	D	E	F	G	н	I	J	ĸ	L	м	N	0	Р	0	R	S	Т	U	v	W	X	Y
1	l	36	18	1 1/8	3⁄8	1/2	5	2 1/2	5 3⁄4	3⁄4	15 5/8	10 1/8														
2	S	48	24	1 3/8	1/2	5⁄8	6 ½	3 1/4	7 1/2	1	20 ½	13 1/4														
2	M	48	24	1 3/8	1/2	5⁄8	6 ½	3 1/4	7 1/2	1	20 ½	13 1⁄4														
	3	60	30	1 3/8	1/2	5⁄8	8	4	9 1/4	1 1/4	25 <b>¾</b>	16 1⁄4														
4	4	60	30	1 3/8	1/2	5⁄8	8	4	9 1/4	1 1/4	25 3/8	16 1⁄4														
	5	96	48	2 1/4	3⁄4	1	13	6 ½	15	2	41	26 ½														
																				-						
PF	ROJE	ECT	NO:					нพ	Y:					COUN	TY:											
FILE	NAM	E : C:\l	Users\PR	0JECTS\tr	_stdplate	e∖W17.DG	N									F	PLOT DATE	: 07-JU	N-2010 12	:35	PLOT I	BY : dit	jph	F	PLOT NAM	E :

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W17.DGN

PLOT DATE : 07-JUN-2010 12:35

PLOT NAME :

#### NOTES

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

Background - Yellow Message – Black

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

Z Areo	
4.5	STANDARD SIGN
8.0	W1-7
8.0	WISCONSIN DEPT OF TRANSPORTATION
12.5	APPROVED M 4/1 N N
12.5	Matthew & Rauch
32.0	DATE <u>6/7/10</u> PLATE NO. <u>W1-7.7</u>
	SHEET NO: E
PLOT SCALE : 5.720	0679:1.000000 WISDOT/CADDS SHEET 42

7												E											L.Sig	gn i lor: Mess
	SIZE A 1 24 25 30	B C 1 ¹ / ₈	D 3%	E 1/2 5/2	F 9 ³ / ₄ 12 ¹ / ₂	G	H I 7 ⁷ / ₈ 2 9 ⁷ / ₆ 3 1	$\frac{J}{\frac{7}{8}}$ $5\frac{1}{8}$	K	M	N	0	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft. 4.0
	2M         36           3         36           4         48           5	$ \begin{array}{c} 1 & 78 \\ 1 & 5/8 \\ 1 & 5/8 \\ 2 & 1/4 \\ \end{array} $	5/8 5/8 3/4	78           3/4           3/4           1	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		11     7/8     4       11     7/8     4       11     7/8     4       15     3/4     5		1															9.0 9.0 16.0
	PROJECT	NO: CAEFiles\Proj	ects\tr_s	stdplatev	W112.DGN	ŀ	IWY:				COUNTY:		PL	OT DATE	: 08-API	RIL-2020		PLOT	BY : do	†c4c		PLOT	NAME :	

```
NOTES
```

```
is Type II – Type F Reflective
:
ckground – Yellow
```

```
ssage – Black
```



- 2. Color:



W16-7L

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	P	0	R	S	Т	U	V	W	Х	Γ
1																									
2S	24	12	1 1/8	3⁄8	3⁄8	3	30°	5 3⁄4	4	1/2	7														
<u>+</u> 2М	30	18	1 1/8	3⁄8	1/2	4 1/2	30°	8  /2	6	5⁄8	10 1/4														
<del>X</del> 3	30	18	1 1/8	3⁄8	1/2	4 ¹ / ₂	30°	8  / ₂	6	5⁄8	10 1/4														
* 4	48	24	1 3/8	1/2	5⁄8	6	30°	11 ½	8	1	14														
5																									Ĺ
PROJEC	T NO:					Н	WY:					COU	NTY:												
FILE NAME :	C:\CAEfi.	les\Proje	ects\tr_st	tdplate\W	16 <b>7.</b> dgn										PLOT DA	TE : 16-	MAR-2021	3:53	PL01	BY : do	tc4c		PLOT NA	ME :	

### NOTES

1. Sign is Type II - Type F Reflective

Background - Yellow Message – Black

3. W16-7R is the same as W16-7L

except the arrow is reversed along the vertical centerline.

Y Z Area sq. ft.	STANDARD SIGN
2.0	W16-7
3.75	WISCONSIN DEPT OF TRANSPORTATION
3.75	APPROVED Matthew & Paulo
8.0	for State Traffic Engineer
	DATE <u>3/16/2021</u> PLATE NO. <u>W16-7.8</u>
	SHEET NO: E

																							1 2 3 4
			A										 	F		$\mathbb{Z}$		) () ) () ) () ) () ) () ) () ) () ) ()					
				۲  بر ر				С к –						G F G		5		W20-1					
			A							) ►			 	F				W20-	R   S 1C			F V	
						WZ	0-1A								C  -			W20-	R S B			F F	-
SIZE 1 2S 2M 3 4	А В 36 48 48 48 48 48 48	C 1 5/8 2 1/4 2 1/4 2 1/4 2 1/4 2 1/4	D 5/8 3/4 3/4 3/4 3/4 3/4	E 3/4 1 1 1 1	F 5 8 8 8 8 8	$ \begin{array}{c}       G \\       2 & 5/8 \\       3 & 3/4 \\       3 & 3/4 \\       3 & 3/4 \\       3 & 3/4 \\       3 & 3/4 \\       3 & 3/4 \\   \end{array} $	H 3 1/4 5 1/8 5 1/8 5 1/8 5 1/8 5 1/8	I 10 1/8 15 3/8 15 3/8 15 3/8 15 3/8	J 7 11 ¹ /8 11 ¹ /8 11 ¹ /8 11 ¹ /8	К 7 5/8 12 1/8 12 1/8 12 1/8 12 1/8	L 8 7/ 14 3 14 3 3 14 3 3 14 3	M 8 1 1/ /8 1 5/ /8 1 5/ /8 1 5/ /8 1 5/ /8 1 5/	N 1/2 7/8 7/8 7/8 7/8	0 3 1/2 5 3/8 5 3/8 5 3/8 5 3/8	P 9 13 7 13 7 13 7 13 7	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	F /4 2 /8 3 /8 3 /8 3 /8 3	S           /2         2         1/2           1/8         3         3           1/8         3         3           1/8         3         3           1/8         3         3           1/8         3         3	T 5 5/8 8 5/8 8 5/8 8 5/8 8 5/8 8 5/8	U 9 13 3/2 13 3/2 13 3/2 13 3/2	$\begin{array}{c c} & v \\ 1 & \frac{3}{8} \\ 2 & \frac{1}{8} \end{array}$	w           8           11         7/8           11         7/8           11         7/8           11         7/8           11         7/8	Y 10 3/4 16 3/8 16 3/8 16 3/8 16 3/8

3 3/4 5 1/8 15 3/8 11 1/8 12 1/8 14 3/8 1 5/8

PROJECT NO:

5

48

7

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN

2 1/4

3/4

8

1

PLOT DATE : 25-MARCH-2020

13 7/8 4 3/8

3 7/8

3

6 7/8 5 3/8

PLOT BY : dotc4c

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



WISDOT/CADDS SHEET 42



FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN

7

PLOT DATE : 18-MAR-2011 12:08

#### NOTES

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color: Background - Orange Message - Black
- 3. Message Series see note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Lines 1 and 2 are Series D. Line 3 is Series D for AHEAD and Series C for all other distances.

	Z	Area sq. ft.						
4	1 3⁄4	9.0		<u>ر</u>				
,	2 3/8	16.0		5				
3	2 3/8	16.0		W20-	-3A, B, C, D, F & G			
5	2 3/8	16.0		W/SCON	ISIN DEPT OF TRANSPORTATION			
3	2 3/8	16.0	APPROVED Matthew & Rai					
;	2 3/8	16.0	]	For State Traffic Engineer DATE 3/18/11 PLATE NO. W20-3.7				
					SHEET NO: E			
	PLOT SCALE : 9.931739:1.000000				WISDOT/CADDS SHEET 42			

1. Fixed Message sign is Type II - Type F Reflective

2. Color:

3. Message Series - D



7

1.125" Radius, 0.500" Border, 0.375" Indent

PROJECT NO: 2525-03-73	HWY: W. BELOIT ROAD	COUNTY: MILWAUKEE	TEMPORARY SIGNING	
FILE NAME : \CAEfiles\Projects\tr_D2_2409b722FMS.dgn		PLOT DATE : 18-JUL 2022 3:	25 PLOT BY : mscj9h	PLOT NAME :

#### NOTES

Background – Orange Message – Black

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				AREA (SF)		INCRE	EMENTAL VOL (CY) (UNADJU	USTED)	CUMULATIVE VOL (CY)		
STATION	REAL STATION	DISTANCE	СШТ	SALVAGED/UNUSABLE	ETLI	CUT	SALVAGED/UNUSABLE	FILL	СИТ	EXPANDED FILL	MASS ORDINATE
			001	PAVEMENT MATERIAL	1122		PAVEMENT MATERIAL		1.00	1.11	
43+50.00	4350		148	32	0	0	0	0	0	0	0
43+75.00	4375	25	143	32	0	135	29	0	135	0	106
44+00.00	4400	25	111	32	2	118	29	1	252	1	193
44+25.00	4425	25	135	53	1	114	39	1	366	3	266
44+50.00	4450	25	219	76	3	164	60	2	530	5	368
44+75.00	4475	25	63	14	5	131	42	4	661	9	453
45+00.00	4500	25	58	15	13	56	13	8	717	18	486
45+25.00	4525	25	100	32	16	73	22	13	790	33	523
45+50.00	4550	25	82	32	11	84	29	13	874	47	564
45+75.00	4575	25	89	32	5	79	29	7	953	55	606
45+86.00	4586	11	108	32	0	40	13	1	993	56	632
46+00.00	4600	25	123	32	0	107	29	2	1100	57	708
46+25.00	4625	25	145	32	0	124	29	0	1224	57	803
46+50.00	4650	25	132	32	0	128	29	0	1353	57	902
		8	<u>a</u>			1353	393	52			

	E	BE	L0	IT	ROAD	
--	---	----	----	----	------	--

PROJECT NO: 2525-03-73	HWY: W. BELOIT ROAD	COUNTY: MILWAUKEE	EARTHWORK DATA	
FILE NAME :		PLOT DATE :	PLOT BY :	PLOT NAME :

9



SHEET:

9

Ε

PLOT SCALE : 1:1

#### EXCAVATION - 55TH STREET

CUT						
Pavement Removal Area (SF)	Depth of Pavement (FT)	Depth of Aggregate (FT)	Total Depth (FT)	Volume (CY)	Salvaged Unusable (CY)	
4218	0.5	1	1.5	234	78	Asphalt are
860	0.5	1	1.5	48	16	Concrete a
305	0.42	1	1.42	16	5	Sidewalk a
394	0.42	0	0.42	6	6	Sidewalk re
384	0.75	0	0.75	11	11	Concrete re

TOTAL:

315

116

0

FILL

9

Pavement Removal Area (SF)	Depth of Fill (FT)	Depth of Aggregate (FT)	Total Depth (FT)	Volume (CY)	Salvaged Unusable (CY)	
4218	1.2	0	1.2	187	0	Asphalt are
860	1.2	0	1.2	38	0	Concrete ar
305	1.2	0	1.2	14	0	Sidewalk ar

TOTAL 239

PROJECT NO: 2525-03-73	HWY: W. BELOIT ROAD	COUNTY: MILWAUKEE	EARTHWORK DATA	
FILE NAME :		PLOT DATE :	PLOT BY :	PLOT NAME :

Comment
---------

ea at tracks

rea at tracks

rea at tracks

eplacement

eplacement

#### Comment

ea at tracks

rea at tracks

rea at tracks

#### ALL CATEGORY 0010

9

Ε

SHEET:













# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

