GRE MARCH 2023

PROJECT ID: WITH: N/A

9210-

19-7

COUNTY:

BROWN

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.		Computer Earthwork Data

TOTAL SHEETS = 64



D

A.A.D.T.	=
A.A.D.T.	=
D.H.V.	=
D.D.	=
Τ.	=
DESIGN SPEED	=
ESALS	=



PROPERTY LINE LOT LINE LIMITED HIGHWAY EXISTING RIGHT OF PROPOSED OR NEW SLOPE INTERCEPT REFERENCE LINE EXISTING CULVERT PROPOSED CULVER (Box or Pipe) COMBUSTIBLE FLUID

MARSH	AREA
-------	------

WOODED OR SHRUB AREA

ESIGN DESIGNATION	1	
.A.D.T. .A.D.T. .H.V. .D.	= = = =	
ESIGN SPEED SALS	=	
ONVENTIONAL S	SYMBOLS	
LAN ORPORATE LIMITS		<u>'//////</u>

	·//////	UNADE LINI
		ORIGINAL
		MARSH OR
		(To be not
EASEMENT	L	SPECIAL DI
WAY		
/ R/W LINE		GRADE ELE
		CULVERT (F
	300'EB'	UTILITIES
		ELECTRIC
		FIBER OPTI
Т		GAS
	MA	SANITARY S
DS	-CAUTION-	STORM SEV
	~~~	TELEPHONI
		WATER
		UTILITY PE
		POWER PO

GRADE LINE
ORIGINAL GROUND
MARSH OR ROCK PROFILE (To be noted as such)
SPECIAL DITCH
GRADE ELEVATION
CULVERT (Profile View)
UTILITIES
ELECTRIC
FIBER OPTIC
GAS
SANITARY SEWER
STORM SEWER
TELEPHONE
WATER
UTILITY PEDESTAL
POWER POLE
TELEPHONE POLE

LABEL

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PROFILE

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

PLAN OF PROPOSED IMPROVEMENT

## W MASON ST, CITY OF GREEN BAY

**BEAVER DAM CREEK BR** 

**STH 32 BROWN COUNTY** 



FILE NAME : N:\PDS\C3D\92101900\SHEETSPLAN\010101-TI.DWG

	FEDERAL PROJECT					
STATE PROJECT	PROJECT	CONTRACT				
9210-19-71						

STATE OF WISCONSIN							
DEPARTMENT OF TRANSPORTATION							
REPARED BY							

Surveyor Designer Project Manage Regional Examiner Regional Supervi

NE REGION M. JEHRING K. BERG REGIONAL EXAMINER

D. SEGERSTROM

APPROVED FOR THE DEPA

DATE: 10/27/2022

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	$\nabla$	(Sign	ature	]]	
			$\cup$		L E

#### GENERAL NOTES

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

THE EXACT CONSTRUCTION LIMITS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

#### DNR LIASION

NE REGION SURVEY COORDINATOR

CORMAC MCINNIS, RLS

944 VANDERPERREN WAY

GREEN BAY, WI 54304

(920)492-5638

cormac.mcinnis@dot.wi.gov

NE REGION DESIGN PROJECT MANAGER

KRISTEN BERG, PE

944 VANDERPERREN WAY

GREEN BAY, WI 54303

(920)492-0139

kristen.berg@dot.wi.gov

JIM DOPERALSKI JR. NORTHEAST REGION 2984 SHAWANO AVE GREEN BAY, WI 54313 (920) 412-0165 james.doperalski@wisconsin.gov

#### CITY OF GREEN BAY CONTACT

JENNIFER MCCARTNEY DEPARTMENT OF PUBLIC WORKS 100 N. JEFFERSON ST, ROOM 300 GREEN BAY, WI 54301 (920) 448-3100 jennifer.mccartney@greenbaywi.gov

#### BROWN COUNTY HIGHWAY COMMISSIONER

PAUL FONTECCHIO BROWN COUNTY HIGHWAY DEPT. 2198 GLENDALE AVE. GREEN BAY, WI 54303 (920) 492-4925 bc_highway@co.brown.wi.us

COUNTY: BROWN

PLOT DATE :

## ORDER OF SECTION 2 DETAIL SHEETS GENERAL NOTES TYPICAL SECTIONS CONSTRUCTION DETAILS PLAN DETAILS TRAFFIC CONTROL DETOUR PLAN

ALIGNMENT PLAN

#### RUNOFF COEFFICIENT TABLE

		HYDROLOGIC SOIL GROUP										
A				В			С			D		
	SLOP	E RANGE	(PERCENT)	S	SLOPE RANGE (PERCENT)		SLO	OPE RANG	GE (PERCENT)	SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:	•	•			ł		•	•		•		
ASPHALT						.7095						
CONCRETE						.8095						
BRICK					.7080							
DRIVES, WALKS .7585												
ROOFS	ROOFS .7595											
GRAVEL ROADS, SHO	DULDERS					.4060						

HWY: STH 32

N:\PDS\C3D\92101900\SHEETSPLAN\020101-GN.DWG FILE NAME : LAYOUT NAME - 020101-gn

9210-19-71

PROJECT NO:

1/10/2023 9:51 AM

**GENERAL NOTES** 

### UTILITIES CONTACTS

#### COMMUNICATIONS

AT&T WISCONSIN SHAE GORZELANCZYK 205 S JEFFERSON RD GREEN BAY, WI 54301 (920) 433-4250 sg2528@att.com

BROWN COUNTY TECHNOLOGY SERVICES DAN BECKER P.O. BOX 11064 GREEN BAY, WI 54307 (920) 301-7902 dbecker@mcewi.com

CHARTER COMMUNICATIONS VINCE ALBIN 350 DESTINATION DR APPLETON, WI 54915 (920) 831-9249 vince.albin@charter.com

#### SEWER

CITY OF GREEN BAY MATTHEW HECKENLAIBLE 100 N JEFFERSON ST. ROOM 300 GREEN BAY, WI 54301 (920) 448-3100 matt.heckenlaible@greenbaywi.gov

#### WATER

CITY OF GREEN BAY KRISTIN ROMANOWICZ 631 S ADAMS ST Green Bay, WI 54301 (920) 448-3480 kristin.romanowicz@greenbaywi.gov

#### ELECTRIC

WISCONSIN PUBLIC SERVICE CORPORATION ROBERT SMITH 2850 S ASHLAND AVE GREEN BAY, WI 54304 (920) 617-5284 robert.smith@wisconsinpublicservice.com

#### GAS/PETROLEUM

WISCONSIN PUBLIC SERVICE CORPORATION JIM EIDEN 2850 S ASHLAND AVE GREEN BAY, WI 54304 (920) 617-5231 james.eiden@wisconsinpublicservice.com



SHEET





*EXISTING PAVEMENT DEPTHS AND MATERIALS UNKNOWN

***TYPICAL EXISTING SECTION** STA 57'WB'+16 TO STA 57'WB'+49 STA 57'EB'+16 TO STA 57'EB'+36



FILE NAME : N:\PDS\C3D\92101900\SHEETSPLAN\020301-TS.DWG LAYOUT NAME - 020301-ts

2

10' CLEAR ZONE

INTEGRAL CURB & GUTTER (SEE INTEGRAL CURB CONSTRUCTION DETAIL FOR MORE INFORMATION)

SHEET



* EXISTING PAVEMENT DEPTHS AND MATERIALS UNKNOWN

***TYPICAL FINISHED SECTION** 

STA 57'WB'+36 TO STA 57'WB'+49

PROJECT NO: 9210-19-71		HWY: STH 32	COUNTY: BRO	COUNTY: BROWN			TYPICAL SECTIONS		
FILE NAME :	N:\PDS\C3D\92101900\SHEETSPLAN\020301-TS.DWG			PLOT DATE :	5/23/2022 2:49 PM	PLOT BY :	SMITH, JENNIFER B	PLOT NAME :	

2

10' CLEAR ZONE

SHEET



FILE NAME : N:\PDS\C3D\92101900\SHEETSPLAN\021001-CD.DWG LAYOUT NAME - 021001-cd PLOT DATE : 1/11/2023 4:09 PM PLOT BY : JEHRING, MEGAN MARIE PLOT NAME :

2

#### NOTES:

CONTRACTION JOINTS SHALL BE SAWED EVERY 15' MAXIMUM OR AS DESIGNATED BY ENGINEER IN FIELD.

6" X 6" EXPANSION JOINTS (3/4") SHALL BE PLACED AT CURB HEAD AT END OF RADII.

1-1/2" AT DRIVEWAY OPENINGS, 1/2" AT CURB RAMPS.

1-1/4" X 18" SMOOTH EPOXY COATED DOWEL BARS NECESSARY AT CONTRACTION JOINTS (TYPICAL ACROSS PAVEMENT SECTION).







PLOT DATE : 17-JUN-2019 17:08

PLOT NAME :





FILE NAME : N:\spo\traffic\A Work Zone\Detours\Brown County\STH 32-54\027004_dt.dgn

PLOT DATE : 17-JUN-2019 17:08 PLOT BY : dotj1f PLOT NAME :

WISDOT/CADDS SHEET 42

		Estimate Of Quantities							
					9210-19-71				
Line	Item	Item Description	Unit	Total	Qty				
0002	204.0100	Removing Concrete Pavement	SY	130.000	130.000				
0004	204.0245	Removing Storm Sewer (size) 01. 15-Inch	LF	7.000	7.000				
0006	205.0100	Excavation Common	CY	34.000	34.000				
8000	213.0100	Finishing Roadway (project) 01. 9210-19-71	EACH	1.000	1.000				
0010	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	76.000	76.000				
0012	415.0410	Concrete Pavement Approach Slab	SY	130.000	130.000				
0014	416.0610	Drilled Tie Bars	EACH	5.000	5.000				
0016	416.0620	Drilled Dowel Bars	EACH	59.000	59.000				
0018	416.1710	Concrete Pavement Repair	SY	21.000	21.000				
0020	502.3200	Protective Surface Treatment	SY	207.000	207.000				
0022	509.0200	Preparation Approaches	SY	10.000	10.000				
0024	509.0301	Preparation Decks Type 1	SY	30.000	30.000				
0026	509.0302	Preparation Decks Type 2	SY	12.000	12.000				
0028	509.0500	Cleaning Decks	SY	207.000	207.000				
0030	509.0600	Cleaning Approaches	SY	147.000	147.000				
0032	509.1200	Curb Repair	LF	31.000	31.000				
0034	509.2500	Concrete Masonry Overlay Decks	CY	14.000	14.000				
0036	509.2600	Concrete Masonry Overlay Approaches	CY	6.000	6.000				
0038	520,8000	Concrete Collars for Pipe	EACH	2.000	2.000				
0040	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	93.000	93.000				
0042	608.0212	Storm Sewer Pipe Reinforced Concrete Class II 12-Inch	LF	84.000	84.000				
0044	611.0530	Manhole Covers Type J	FACH	1.000	1,000				
0046	611.0624	Inlet Covers Type H	EACH	3.000	3.000				
0048	611,2004	Manholes 4-FT Diameter	FACH	1.000	1,000				
0050	611.3230	Inlets 2x3-FT	FACH	3.000	3 000				
0052	618.0100	Maintenance And Repair of Haul Roads (project) 01, 9210-19-71	FACH	1.000	1,000				
0054	619 1000	Maintenance , and Repair of Haar Reade (project) of the 2 re ro r r	EACH	1.000	1 000				
0056	625.0100	Topsoil	SY	25.000	25 000				
0058	625 0500	Salvaged Tonsoil	SY	54 000	54 000				
0060	628 1504	Silt Fence	I F	222 000	222 000				
0062	628 1520	Silt Fence Maintenance	L,	222.000	222.000				
0064	628 2006	Erosion Mat Urban Class I Type A	SY	60,000	60,000				
0066	628 7015	Inlet Protection Type C	FACH	7 000	7 000				
0068	629 0210	Fertilizer Type B	CWT	0.080	0.080				
0070	630 0140	Seeding Mixture No. 40	IB	2 000	2 000				
0070	630.0500	Seed Water	MGAI	3 000	3 000				
0074	642 5001	Field Office Type B	FACH	1 000	1 000				
0076	643 0300	Traffic Control Drums		000 000	900.000				
0070	643.0420	Traffic Control Barricades Type III		850.000	850.000				
0070	643.0705	Traffic Control Warning Lights Type A		1 200 000	1 200 000				
0000	643.0715	Traffic Control Warning Lights Type C		000.000	000.000				
0084	643 0000	Traffic Control Signs		15 150 000	15 150 000				
0004	643 0010	Traffic Control Covering Signs Type I		12 000	12,130.000				
0000	643 0020	Traffic Control Covering Signs Type I	EACH	5 000	5 000				
0000	642 1000	Traffic Control Signs Fixed Message	CAUN OF	5.000	5.000				
0090	643.1000	Traffic Control Signs Fixed Message	or DAV	307.000	307.000				
0092	643.1050	Traffic Control		14.000	14.000				
0094	043.5000	Marking Line Energy 4 Inch	EACH	1.000	1.000				
0096	040.1020	Construction Statistic Charge Construction		244.000	244.000				
0098	650.4000	Construction Staking Storm Sewer	EACH	4.000	4.000				



			E	stimate Of Q	uantities
					9210-19-71
Line	Item	Item Description	Unit	Total	Qty
0100	650.7000	Construction Staking Concrete Pavement	LF	70.000	70.000
0102	650.9911	Construction Staking Supplemental Control (project) 01. 9210-19-71	EACH	1.000	1.000
0104	690.0250	Sawing Concrete	LF	72.000	72.000
0106	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500.000
0108	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. STA 57+10	EACH	1.000	1.000

# 01/12/2023 16:02:30 Page 2 3

					NUMBER IN	APPROX. SERVICE PERIOD	643.0900 SIGNS	643.0420 BARRICADES TYPE III	643.0705 WARNING LIGHTS TYPE A	643.1000 FIXED MESSAGE SIGN	643.1050 SIGNS PORTABLE CHANGEABLE	NO. OF	643.0910 COVERING TYPE I SIGNS	643.0920 COVERING TYPE II SIGNS	
	SIGN		SIGN	SIZE	SERVICE	50					MESSAGE	CYCLES			
	NO.	LOCATION	CODE	W X H		DAYS	DAYS	DAYS	DAYS	SF	DAYS		EACH	EACH	REMARKS
5	1	I-41, S. OF STH 32/54, PLACE 1/2 MILE S. OF STH 32/54 EXIT RAMP IN MEDIAN	M 1-6	36"X36"	1	50	50								32
		u	W 20-24	48"x48"	1	50	50								54
	2	I-41, S. OF STH 32/54, PLACE 1/2 MILE S. OF STH 32/54 EXIT RAMP ON RIGHT SHOULDER	м 1-6	36"x36"	1	50	50								32
		0	м 1-6	36"x36"	1	50	50								54
		n	W 20-2A	48"x48"	1	50	50								
	3	I-41, S. OF STH 32/54, PLACE 1/4 MILE S. OF STH 32/54 EXIT RAMP ON RIGHT SHOULDER	FMS	144"x72"	1	50				72					SEE SIGN DETAIL SHEET
	4	I-41, S. OF STH 32/54, PLACE 1/4 MILE S. OF STH 32/54 EXIT RAMP IN MEDIAN	FMS	144"x72"	1	50				72					SEE SIGN DETAIL SHEET
	5	I-41, S. OF STH 32/54, PLACE 150' S. OF STH 32/54 EXIT RAMP IN MEDIAN	MO 4-8	36"X18"	1	50	50								22
		u u	м 1-6 м 1-6	36 X36	1	50	50								<u> </u>
		п	MO 6-1	30"x30"	1	50	50								AHEAD
	6	I-41, S. OF STH 32/54, PLACE 150' S. OF STH 32/54 EXIT RAMP ON RIGHT SHOULDER	MO 4-8	36"X18"	1	50	50								
		11	м 1-6	36"x36"	1	50	50								32
		"	м 1-6	36"x36"	1	50	50								54
	7		MO 6-1	30"X30"	1	50	50								AHEAD
	/	1-41, AT CD ROADWAY EXIT, PLACE ISU'S. OF CD ROADWAY EXIT RAMP	MU 4-8 M 1-6	36 X18 36"X36"	1	50	50								32
		11	M 1-6	36"x36"	1	50	50								54
		11	MO 6-2	30"x30"	1	50	50								TILT RIGHT
	8	STH 32/54 EXIT RAMP FROM I-41, COVER EXISTING OH SIGN AS SHOWN										1	1		COVER SIGN AS SHOWN
	9	STH 32/54, PLACE ON RIGHT SHOULDER IN SW QUADRANT OF INTERSECTION	R 11-3B M 4-9L	60"x30" 30"x24"	1	50 50	50 50	50	100						1/4 MILE AHEAD
	10	STH 32/54, AT EAST LEG RAMP RAB, PLACE/COVER SPLITTER ISLAND SIGN AS SHOWN	MO 4-8	24"x12"	1	50	50								
		" 	м 1-6	24"x24"	1	50	50								
		u .	M 1-6 MO 6-2	24 X24 21"x21"	1	50	50								TTLT RIGHT
		II	110 0 2			50	50					1		1	COVER "MASON ST"
	11	STH 32/54, W. OF TAYLOR ST, COVER EXISTING OH SIGN AS SHOWN										1	1		COVER ENTIRE SIGN
	12	STH 32/54, W. OF TAYLOR ST, COVER EXISTING OH SIGN AS SHOWN										1	1		COVER EXISTING SIGN AS SHOWN
	13	STH 32/54, PLACE ON RIGHT SHOULDER IN SW QUADRANT OF INTERSECTION	R 11-3B	60"x30"	1	50	50	50	100						1/4 MILE AHEAD
	14	STH 32/54, AT EAST LEG RAMP TAYLOR ST RAB, PLACE/COVER SPLITTER ISLAND SIGN AS SHOWN										1		1	COVER ENTIRE SIGN
	15	STH 32/54, E. OF TAYLOR ST, COVER EXISTING J4-2 SIGN AS SHOWN										1	1	1	COVER ENTIRE SIGN
L	10	STH 32/54, AT 1-41 STRUCTURE, COVER EXISTING OH SIGN AS SHOWN										<u> </u>	1		COVER EXISTING SIGN AS SHOWN
1			м 3-3	24"x12"	1	50	50					<u> </u>	-		
		11	м 1-6	24"x24"	1	50	50								32
1		" 	M 3-2	24"x12"	1	50	50								
	10	STU 22/54 AT T 41 STRUCTURE DI ACE TA MEDIAN RETHERN RAND INTERSECTION	M 1-6	24"X24"	1	50	50								54
	10	SIN 32/34, AI 1-41 SIRUCIURE, PLACE IN MEDIAN BEIWEEN RAMP INTERSECTION	MU 4-8 M 1-6	24"x24"	1	50	50								32
		п	M 1-6	24"x24"	1	50	50								54
		11	MO 5-1L	21"X21"	1	50	50								
	19	STH 54, W. OF I-41 SB RAMP, PLACE W. OF I-41 RAB RAMP ON RIGHT SHOULDER	FMS	90"x36"	1	50				22.5				$\square$	SEE SIGN DETAIL SIGN
	20	STH 54, W. OF I-41 SB RAMP, PLACE 750' W. OF I-41 RAB RAMP IN MEDIAN	FMS	90"x36"	1	50				22.5					SEE SIGN DETAIL SIGN
	21	STO 54, W. OF 1-41 SD RAMP, PLACE 1300 W. OF 1-41 RAB RAMP ON RIGHT SHOULDER	м 1-6	24"x24"	1	50	50								32
1		"	M 1-6	24"X24"	1	50	50								54
		PAGE SURTOTALS	W 20-2A	70 740	40	50	1.800	100	200	189.0	0		5	3	
	PLAN SH BY WisD	HEET PRODUCED DOT - NE REGION					,	1.00000		0.0111-			-	-	
1	PROJE	CT NUMBER: 9210-19-71 HWY: STH 32/54		COUNTY	(: BROW	'N		MISCEL	LANEOU	S QUANT	THES				I SHEET

TRAFFIC CONTROL DETOUR SIGN SUMMARY

3

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			TRAFFIC	CONTROL DE	TOUR SIG	N SUMMARY	Ĺ								
	SIGN		SIGN	SIZE	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 50	643.0900 SIGNS	643.0420 BARRICADES TYPE III	643.0705 WARNING LIGHTS TYPE A	643.1000 FIXED MESSAGE SIGN	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE	NO. OF CYCLES	643.0910 COVERING TYPE I SIGNS	643.0920 COVERING TYPE II SIGNS	
	NO.		CODE	W X H	1	DAYS	DAYS	DAYS	DAYS	SF	DAYS		EACH	EACH	REMARKS
		SIN 34, W. OF 1-41 SE RAMP, PLACE 1500' W. OF I-41 RAB RAMP IN MEDIAN	M 1-6 M 1-6	24"X24" 24"X24"	1	50	50								<u> </u>
		п	W 20-2A	48"x48"	1	50	50								
31	23	STH 32/54, AT I-41 SB RAMP, PLACE NEXT TO SPLITTER ISLAND SIGN	MO 4-8	24"x12"	1	50	50								
		п п	M 1-6	24"x24"	1	50	50								32
		п.	M 1-6 MO 6-2	24 X24 21"x21"		50	50								
	24	STH 32/54 RAMP TO I-41 SB, PLACE 350' N. OF RAMP RAB INTERSECTION	MO 4-8	24"x12"	1	50	50								
		n	M 3-3	24"x12"	1	50	50								
		"	M 1-6	24"X24"	1	50	50								32
		Ш	MU 4-8 M 3-2	24 X12 24"x12"	1	50	50								
		п	M 1-6	24"x24"	1	50	50								54
	25	I-41 CD ROADWAY, PLACE 500' S. OF LARSEN RD OVERPASS	MO 4-8	24"x12"	1	50	50								
		"	M 1-6	24"x24"	1	50	50								32
	$\vdash$		M 1-6 MO 5-2R	24"X24" 21"X21"	1	50	50								54
	_26	I-41 CD ROADWAY, PLACE IN FRONT OF S-05-183 SIGN STRUCTURE	MO 4-8	24"x12"	1	50	50								
		11	м 1-6	24"x24"	1	50	50								32
		"	M 1-6	24"X24"	1	50	50								54
	27	T-41 NR S OF STH $\frac{32}{54}$ PLACE/COVER EXISTING OH STGN AS SHOWN	MU 6-2 FMS	21 X21 54"x18"		50	50			6 75		1	1		UILI RIGHI WEST
	27A	I-41 NB, S. OF STH 32/54, PLACE/COVER EXISTING OH SIGN AS SHOWN	FMS	54"x18"	1	50				6.75		1	1		WEST
	28	I-41 SB, N. OF STH 32/54, PLACE/COVER EXISTING OH SIGN AS SHOWN	FMS	54"x18"	1	50				6.75		1	1		WEST
	29	I-41 CD ROADWAY, PLACE ON EXISTING OH SIGN AS SHOWN	FMS	66"x18"	1	50	50			8					SOUTH
			M 1-6 FMS	<u>36"X36"</u> 48"x18"		50	50			6					32 EAST
		п	M 1-6	36"x36"	1	50	50								54
	30	I-41 CD ROADWAY, PLACE ON EXISTING OH SIGN AS SHOWN	FMS	66"x18"	1	50	50			8					SOUTH
		" "	M 1-6	36"X36"	1	50	50			6					32
			FMS M 1-6	<u>48"X18"</u> 36"X36"	1	50	50			6					EAST54
	31	I-41 CD ROADWAY, PLACE ON EXISTING OH SIGN AS SHOWN	FMS	66"x18"	1	50	50			8					SOUTH
		П	м 1-6	36"x36"	1	50	50								32
		"	FMS	48"x18"	1	50	50			6					EAST
		T-41 DEE-DAMP TO SHAWAND AVE DIACE 700' DRTOR TO RAMP RAB THTERSECTION ON	M 1-6	36"X36"		50	50								54
	32	LEFT SHOULDER	MO 4-8	24"x12"	1	50	50								
		n	M 1-6	24"x24"	1	50	50								32
		"	M 1-6	24"X24"	1	50	50								54
	33	I-41 OFF-RAMP TO SHAWANO AVE, PLACE 700' PRIOR TO RAMP RAB INTERSECTION ON	MO 3-1R MO 4-8	24"x12"	1	50	50								
			м 1-6	24" <u>x24"</u>	1	50	50								32
			M 1-6	24"x24"	1	50	50								54
	34	I-41 OFF-RAMP TO SHAWANO AVE, PLACE 300' PRIOR TO RAMP RAB INTERSECTION ON	MO 5-1R MO 4-8	21"x21" 24"x12"	1	50 50	50 50								
	$\vdash$	KIGHI SHUULDEK	M 1-6	24"x24"	1	50	50								32
		п	M 1-6	24"x24"	1	50	50								54
		"	MO 6-1	21"x21"	1	50	50								RIGHT
	35	STH 29/SHAWANO AVE, PLACE 150' E. OF I-41 NB RAMP INTERSECTION	MO 4-8	24"X12"	1	50	50								
	<u> </u>	"	M 1-6	24 X12" 24"x24"	1	50	50								32
		п	MO 4-8	24"x12"	1	50	50								
		"	M 3-2	24"x12"	1	50	50								
			м 1-6	24"x24"	1	50	50			63					54
	PLAN S BY Wisf	HEET PRODUCED PAGE SUBIOTALS			54		2,500	U	U	63	U		3	U	
┢	PROJE	CT NUMBER: 9210-19-71 HWY: STH 32/54		COUNTY	: BROW	N		MISCELI	ANEOUS	S QUANTI	TIES				SHEET

SIGN		SIGN	SIZE	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 50	643.0900 SIGNS	643.0420 BARRICADES TYPE III	643.0705 WARNING LIGHTS TYPE A	643.1000 FIXED MESSAGE SIGN	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE	NO. OF CYCLES	643.0910 COVERING TYPE I SIGNS	643.0920 COVERING TYPE II SIGNS	
NO.	LOCATION	CODE	W X H	1	DAYS	DAYS	DAYS	DAYS	SF	DAYS		EACH	EACH	REMARKS
50	STH 29/SHAWANU AVE, PLACE IN FRONT OF S-3-232 E. OF RAMP RAB IN MEDIAN	MU 4-0 M 1-6	24 X12 24"X24"	1	50	50								32
	"	M 1-6	24"x24"	1	50	50								52
	11	MO 6-1	21"x21"	1	50	50								AHEAD
37	STH 29/SHAWANO AVE, PLACE IN FRONT OF S-5-252 E. OF RAMP RAB ON RIGHT	MO 4-8	24"x12"	1	50	50								
	II	м 1-6	24"x24"	1	50	50								32
	"	M 1-6	24"x24"	1	50	50								54
	п	MO 6-1	21"x21"	1	50	50								AHEAD
38	STH 29/SHAWANO AVE, PLACE BETWEEN RAMP RAB, PLACE IN FRONT OF S-5-250 IN MEDIAN	м 4-8А	24"x18"	1	50	50								
	u u	м 3-1	24"x12"	1	50	50								
	u u	м 1-6	24"x24"	1	50	50								32
39	STH 29/SHAWANO AVE, PLACE BETWEEN RAMP RAB, PLACE IN FRONT OF S-5-250 ON RIGHT SHOULDER	м 4-8А	24"x18"	1	50	50								
	п	M 3-1	24"x12"	1	50	50								
	n	м 1-6	24"x24"	1	50	50								32
40	STH 29/SHAWANO AVE, PLACE BETWEEN RAMP RAB, PLACE BETWEEN I-41 STRUCTURES IN MEDIAN	MO 4-8	24"x12"	1	50	50								
	п	м 3-4	24"x12"	1	50	50								
	"	M 1-6	24"x24"	1	50	50								54
	11	MO 6-1	21"X21"	1	50	50								LEFT
41	STH 29/SHAWANO AVE, PLACE BETWEEN RAMP RAB, PLACE BETWEEN I-41 STRUCTURES ON RIGHT SHOULDER	MO 4-8	24"x12"	1	50	50								
	п	м 3-4	24"x12"	1	50	50								
	u u	м 1-6	24"x24"	1	50	50								54
	u u	MO 6-1	21"X21"	1	50	50								LEFT
42	STH 29/SHAWANO AVE, PLACE BETWEEN RAMP RAB, PLACE 100' BEYOND EXIT ON RIGHT SHOULDER	MO 4-8	24"x12"	1	50	50								
	п	м 1-6	24"x24"	1	50	50								32
	п	м 1-6	24"x24"	1	50	50								54
	"	MO 6-1	21"X21"	1	50	50								AHEAD
43	STH 29/SHAWANO AVE, PLACE BETWEEN RAMP RAB, PLACE 100' BEYOND EXIT IN MEDIAN	MO 4-8	24"x12"	1	50	50								
	"	м 1-6	24"x24"	1	50	50								32
	"	м 1-6	24"x24"	1	50	50								54
	"	MO 6-1	21"X21"	1	50	50								AHEAD
44	STH 29/SHAWANO AVE, PLACE W. OF I-41 SB RAMP RAB, PLACE IN FRONT OF S-5-248 ON RIGHT SHOULDER	MO 4-8	24"x12"	1	50	50								
	"	м 1-6	24"x24"	1	50	50								32
	" "	M 1-6	24"X24"	1	50	50								54
45	STH 29/SHAWANO AVE, PLACE W. OF I-41 SB RAMP RAB, PLACE IN FRONT OF S-5-248	MO 6-1 MO 4-8	21"x21" 24"x12"	1	50	50								AHEAD
		м 1 6	24"∨24"	1	50	50	1		<u> </u>				<b>├</b> ─── <b>├</b>	20
	н П	M 1_6	24 724	1	50	50					1			52 54
	"	MO 6-1	21"x21"	1	50	50	1							
46	STH 29/SHAWANO AVE, PLACE W. OF I-41 SB RAMP RAB, PLACE IN FRONT OF S-5-274	MO 4-8	24"x12"	1	50	50								
		M 1-6	24"x24"	1	50	50	1		1				<u> </u>	32
	n.	M 1-6	24"x24"	1	50	50			1					54
	п	MO 6-1	21"x21"	1	50	50								AHEAD
47	STH 29/SHAWANO AVE, PLACE W. OF I-41 SB RAMP RAB, PLACE IN FRONT OF S-5-274 IN MEDIAN	MO 4-8	24"x12"	1	50	50								
	п	м 1-6	24"x24"	1	50	50								32
	п	M 1-6	24"x24"	1	50	50								54
	п	MO 6-1	21"X21"	1	50	50								AHEAD
48	STH 32, FLY OVER RAMP TO I-41 SB, PLACE/COVER EXISTING OH TYPE I SIGN	FMS	54"x18"	1	50				6.75		1	1		WEST
۱SF	IEET PRODUCED PAGE SUBTOTALS		-	47	;	2,300	0	0	6.75	0		1	0	
/isC	UI - NE REGION													
					/NI									QUEET

TRAFFIC CONTROL DETOUR SIGN SUMMARY

		TRAFFIC	C CONTROL DE	TOUR SIG	IN SUMMAR	Y								
				NUMBER IN	APPROX. SERVICE PERIOD	643.0900 SIGNS	643.0420 BARRICADES TYPE III	643.0705 WARNING LIGHTS TYPE A	643.1000 FIXED MESSAGE SIGN	643.1050 SIGNS PORTABLE CHANGEABLE	NO. OF	643.0910 COVERING TYPE I SIGNS	643.0920 COVERING TYPE II SIGNS	
SIGN		SIGN	SIZE	SERVICE	50	DAVC	DAYS	DAVC	65	MESSAGE	CYCLES	FACIL	FACIL	DEMARKS
NU. 49	LUCATION STH 29/SHAWAND AVE, PLACE/COVER EXISTING SPLITTER ISLAND SIGN	CODE	WXH		DAYS	DAYS	DAYS	DAYS	5F	DAYS	1	EACH	EACH 1	COVER "SOUTH 32"
		MO 4-8	24"x12"	1	50	50					-		_	
	Π	м 3-4	24"x12"	1	50	50								
	"	M 1-6	24"x24"	1	50	50								54
50	$\frac{1}{1}$	MO 6-2	21"X21" 24"×18"	1	50	50								TILT RIGHT
30	STE 25 ON-RAMP TO 1-41 SD, PLACE IJO PAST RAMP RAD INTERSECTION	M 4-6A M 3-4	24 ×18 24"x12"	1	50	50								
	Ш	м 1-6	24"x24"	1	50	50								54
51	STH 32, FLY OVER RAMP TO I-41 SB, PLACE/COVER EXISTING OH TYPE I SIGN	FMS	54"x18"	1	50				6.75		1	1		
52	I-41 SB OFF-RAMP TO STH 29/SHAWANO AVE, PLACE 375' PRIOR TO RAMP RAB INTERSECTION ON LEFT SHOULDER	MO 4-8	24"x12"	1	50	50								
	"	M 1-6	24"x24"	1	50	50								32
	п	MO 6-1	24 X24 21"X21"		50	50								
53	I-41 SB OFF-RAMP TO STH 29/SHAWANO AVE, PLACE 375' PRIOR TO RAMP RAB INTERSECTION ON RIGHT SHOULDER	MO 4-8	24"X12"	1	50	50								
	п	м 1-6	24"x24"	1	50	50								32
	11	м 1-6	24"x24"	1	50	50								54
F 4		MO 6-1	21"X21"	1	50	50								LEFT
54	I-41 SB OFF-RAMP TO STH 29/32, PLACE IN FRONT OF LEFT COLUMN OF S-03-186	MU 4-8 M 1-6	24 X12 24"x24"		50	50								32
	n	M 1-6	24"x24"	1	50	50								54
	п	MO 6-1	21"X21"	1	50	50								AHEAD
55	I-41, AT OFF-RAMP TO STH 29/32, PLACE IN FRONT OF RIGHT COLUMN OF S-05-187	MO 4-8	36"X18"	1	50	50								
		M 1-6	36"X36"	1	50	50								32
	11	MD 6-2	30"x30"	1	50	50								
56	I-41, N. OF OFF-RAMP TO STH 29/32, PLACE 1000' N. OF OFF-RAMP TO STH 29/32 IN MEDIAN	MO 4-8	36"x18"	1	50	50								
	п	м 1-6	36"x36"	1	50	50								32
		м 1-6	36"x36"	1	50	50								54
57	I-41, N. OF OFF-RAMP TO STH 29/32, PLACE 1000' N. OF OFF-RAMP TO STH 29/32	MO 5-2R MO 4-8	30"X30" 36"X18"	1	50	50								
	UN KIGHI SHOULDEK	м 1-6	36"x36"	1	50	50								32
	п	M 1-6	36"×36"	1	50	50								54
	n	MO 5-2R	30"x30"	1	50	50								
58	I-41, N. OF OFF-RAMP TO STH 29/32, PLACE 1750' N. OF OFF-RAMP TO STH 29/32 IN MEDIAN	FMS	144"x72"	1	50				72					SEE SIGN DETAIL SHEET
59	I-41, N. OF OFF-RAMP TO STH 29/32, PLACE 1750' N. OF OFF-RAMP TO STH 29/32 ON RIGHT SHOULDER	FMS	144"x72"	1	50				72					SEE SIGN DETAIL SHEET
60	1-41, N. OF OFF-RAMP TO STH 29/32, PLACE 1/2 MILE N. OF OFF-RAMP TO STH 29/32 IN MEDIAN	M 1-6	36"X36"	1	50	50								32
	"	W 20-24	48"x48"		50	50								54
61	I-41, N. OF OFF-RAMP TO STH 29/32, PLACE 1/2 MILE N. OF OFF-RAMP TO STH 29/32 ON RIGHT SHOULDER	M 1-6	36"×36"	1	50	50								32
	n	м 1-6	36"x36"	1	50	50								54
		W 20-2A	48"x48"	1	50	50								
62	I-41, BETWEEN STH 29/32 AND VELP AVE, PLACE ON EXISTING OH TYPE I SIGN AS SHOWN	FMS	54"x18"	1	50	50			6.75					WEST
	"	M 1-6	36"x36"	1	50	50								32
	п	<u>M 1-</u> 6	<u>36"x36"</u>	1	50	50								54
63	I-41 SB OFF-RAMP TO STH 29/32, PLACE ON EXISTING OH TYPE I SIGN AS SHOWN	MO 4-8	36"x18"	1	50	50								
	"	M 1-6	36"X36"	1	50	50								32
		MU 4-8 M 1-6	36"X18"		50	50								51
		0-T IM	067.06	48	50	2.200	0	0	157.50	0		1	I1	54
	EET FRODUCED DT - NE REGION		COLINEY		NI	-	MIGOEL							

					NUMBER	APPROX. SERVICE PERIOD	643.0900 SIGNS	643.0420 BARRICADES TYPE III	643.0705 WARNING LIGHTS TYPE A	643.1000 FIXED MESSAGE SIGN	643.1050 SIGNS PORTABLE CHANGEABLE	NO.
SIGN NO.	LOCATION		SIGN CODE	SIZE W X H	SERVICE	50 DAYS	DAYS	DAYS	DAYS	SF	MESSAGE	CYCL
64	I-41, BETWEEN STH 29/32 AND VELP AVE, COVER/PLACE SIGN AS SHOWN	E ON EXISTING OH TYPE I	FMS	54"x18"	1	50				6.75		
	п		MO 4-8	36"X18"	1	50	50					
	п		м 1-6	36"x36"	1	50	50					
	"		M 1-6	36"x36"	1	50	50					<b> </b>
65	I-41 SB OFF-RAMP TO STH 29/32, PLACE ON EXISTING	OH TYPE I SIGN AS SHOWN	MO 4-8	36"X18"	1	50	50					<b> </b>
	п		M 1-6 MO 1-8	36 X30	1	50	50					<u> </u>
	"		M 1-6	36"x36"	1	50	50					
66	STH 29/SHAWANO AVE, E. OF CTH EB, PLACE RIGHT (	OF EXISTING J4-1 SIGN	MO 4-8	24"x12"	1	50	50					
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		M 3-3	24"x12"	1	50	50					
	П		м 1-6	24"x24"	1	50	50					
	"		MO 4-8	24"x12"	1	50	50					
	"		M 3-2	24"x12"	1	50	50					<b></b>
67			M 1-6	24"X24"	1	50	50					
67	STH 29/PACKERLAND DR, BETWEEN RAMP RAB, PLACE RIG	HT OF EXISITNG S-05-273	MO 4-8	24"X12"	1	50	50		-			
			M 1-6	24 X24	1	50	50					
			M0 6-1	24 724	1	50	50					
68	STH 29 TO PACKERLAND DR DEE-RAMP PLACE LEET (	DE EXISTING S-05-268	MO 4-8	21 X21 24"x12"	1	50	50					
			M 1-6	24"X24"	1	50	50					
			м 1-6	24"x24"	1	50	50					
	п		MO 6-1	21"X21"	1	50	50					
69	STH 29 TO PACKERLAND DR OFF-RAMP, PLACE 600' PRIOR ON LEFT SHOULDER	TO RAMP RAB INTERSECTION	MO 4-8	24"x12"	1	50	50					
	11		м 1-6	24"x24"	1	50	50					
	"		м 1-6	24"x24"	1	50	50					
	"		MO 5-1L	21"x21"	1	50	50					ļ
70	STH 29 TO PACKERLAND DR OFF-RAMP, PLACE 600' PRIOR ON RIGHT SHOULDER	TO RAMP RAB INTERSECTION	MO 4-8	24"x12"	1	50	50					
	" "		M 1-6	24"x24"	1	50	50					Ļ
			M 1-6	24"X24"	1	50	50					
71	STH 29/32, AT PACKERLAND DR OFF-RAMP, PLACE ON RIGH	HT SHOULDER AT PACKERLAND	MO 4-8	36"x18"	1	50	50					
			м 1-6	36"x36"	1	50	50					
	"		м 1-6	36"x36"	1	50	50					
	11		MO 6-2	30"x30"	1	50	50					
72	STH 29/32, W. OF PACKERLAND DR OFF-RAMP, PLACE 750 SHOULDER	' W. OF OFF-RAMP ON RIGHT	MO 4-8	36"X18"	1	50	50					
	"		м 1-6	36"x36"	1	50	50					
	" 		M 1-6	36"X36"	1	50	50					<b></b>
			MO 5-2R	30"X30"	L	50	50					
73	STH 29/32, W. OF PACKERLAND DR OFF-RAMP, PLACE A	750 W. OF OFF-RAMP IN	MO 4-8	36"x18"	1	50	50					
	MEDIAN II		M 1-6	36"x36"	1	50	50					
	п		M 1-6	36"x36"	1	50	50					
	п		MO 5-2R	30"x30"	1	50	50					
74	STH 29/32, W. OF PACKERLAND DR OFF-RAMP, PLACE 1 RIGHT SHOULDER	FMS	144"x72"	1	50				72			
75	STH 29/32, W. OF PACKERLAND DR OFF-RAMP, PLACE 1 MEDIAN	FMS	144"x72"	1	50				72			
76	STH 29/32, W. OF PACKERLAND DR OFF-RAMP, PLACE 1/2 MEDIAN	м 1-6	36"×36"	1	50	50						
	"	м 1-6	36"x36"	1	50	50						
	"		W 20-2A	48"x48"	1	50	50					L
	PAGE SUB	BTOTALS			47		2,200	0	0	150.75	0	
PLAN S	HEEI PRODUCED											
BY Wis	DOT - NE REGION							•				
PROJE	CT NUMBER: 9210-19-71		COUNTY	: BROW	N		MISCEL	LANEOU	S QUANTI	TIES		

TRAFFIC CONTROL DETOUR SIGN SUMMARY

3

	643.0910	643.0920	
	COVERING	COVERING	
	TYPF T	TYPE TT	
05			
	STRN2	STGNS	
LES			
	EACH	EACH	REMARKS
			WEST
			WEST
			32
			54
			22
			52
			54
			54
			32
			54
			32
			52
			RIGHI
			32
			54
			LEFT
			32
			54
			51
			22
			32
			54
			32
			54
			TILT RIGHT
	ļ		
			SEE SIGN DETAIL SHEET
			SEE SIGN DETAIL SHEET
			32
			54
	0	0	

3

SHEET

#### APPROX. SIGNS BARRICADES WARNING FIXED SIGNS NUMBER SERVICE PORTABLE TYPE III LIGHTS MESSAGE PERIOD TYPE A ΤN SIGN CHANGEABLE NO. SIGN STGN SIZE SERVICE 50 CYCL MESSAGE LOCATION CODE WХΗ DAYS DAYS DAYS DAYS NO. SF DAYS STH 29/32, W. OF PACKERLAND DR OFF-RAMP, PLACE 1/2 MILE W. OF OFF-RAMP ON 77 м 1-6 36"x36" 1 50 50 RIGHT SHOULDER м 1-6 36"x36" 1 50 50 W 20-2A 48"x48" 1 50 50 STH 29/32, W. OF PACKERLAND DR OFF-RAMP, PLACE/COVER ON EXISTING OH TYPE I 78 м 1-6 36"x36" 1 50 50 SIGN м 1-6 36"x36" 50 50 1 STH 29/32, W. OF PACKERLAND DR OFF-RAMP, PLACE/COVER ON EXISTING OH TYPE I 79 м 1-6 36"x36" 1 50 50 SIGN м 1-6 36"x36" 1 50 50 24"x12" 50 80 STH 29, W. OF TAYLOR ST, PLACE ACROSS FROM S-05-278 IN MEDIAN MO 4-8 1 50 м 1-6 24"x24" 1 50 50 24"x24" 1 50 50 м 1-6 MO 6-1 21"X21" 1 50 50 STH 29, AT TAYLOR ST, PLACE NEXT TO EXISTING SPLITTER ISLAND SIGN ON WEST 81 MO 4-8 24"x12" 50 50 1 LEG EXIT м 1-6 24"x24" 50 50 1 м 1-6 24"x24" 1 50 50 MO 6-2 21"x21" 1 50 50 STH 29, AT TAYLOR ST, PLACE NEXT TO EXISTING SPLITTER ISLAND SIGN ON EAST 82 MO 4-8 24"x12" 1 50 50 LEG EXIT м 1-6 24"x24" 50 50 1 м 1-6 24"x24" 1 50 50 MO 6-2 21"X21" 50 50 1 83 MO 4-8 50 50 STH 29, W. OF TAYLOR ST, PLACE ON RIGHT SHOULDER AT S-05-280 24"x12" 1 м 1-6 24"x24" 1 50 50 м 1-6 24"x24" 50 50 1 MO 6-1 21"X21' 1 50 50 84 STH 29, W. OF MILITARY AVE, PLACE 750' W. OF MILITARY AVE INTERSECTION MO 4-8 24"x12' 1 50 50 м 1-6 24"x24" 1 50 50 м 1-6 24"x24" 1 50 50 MO 5-1R 21"X21" 1 50 50 85 STH 29, W. OF MILITARY AVE, PLACE 200' W. OF MILITARY AVE INTERSECTION MO 4-8 24"x12" 1 50 50 м 1-6 24"x24" 50 50 1 м 1-6 24"x24" 1 50 50 86 STH 29, W. OF MILITARY AVE, PLACE 150' W. OF MILITARY AVE INTERSECTION MO 4-8 24"x12" 1 50 50 24"x24" 50 50 м 1-6 1 м 1-6 24"x24" 1 50 50 MO 6-1 21"x21" 1 50 50 MILITARY AVE, S. OF STH 29, PLACE 500' W. OF MILITARY AVE INTERSECTION IN 87 MO 4-8 24"x12" 50 1 50 MEDIAN м 1-6 24"x24" 50 1 50 м 1-6 24"x24" 50 50 1 MO 6-1 21"X21" 50 50 1 MILITARY AVE, S. OF STH 29, PLACE 200' W. OF MILITARY AVE INTERSECTION 88 MO 4-8 24"x12' 50 50 1 м 1-6 24"x24" 50 50 1 50 50 м 1-6 24"x24" 1 MILITARY AVE, S. OF STH 29, PLACE 1/4 MILE W. OF MILITARY AVE INTERSECTION 89 MO 4-8 24"x12" 1 50 50 IN MEDIAN 50 м 1-6 24"x24" 1 50 50 м 1-6 24"x24" 1 50 21"X21" 50 MO 5-1L 1 50 45 2,250 0.0 PAGE SUBTOTALS 0 0 0 PLAN SHEET PRODUCED **BY WisDOT - NE REGION** PROJECT NUMBER: 9210-19-71 HWY: STH 32/54 COUNTY: BROWN **MISCELLANEOUS QUANTITIES**

TRAFFIC CONTROL DETOUR SIGN SUMMARY

643.0900

643.0420

643.0705

643.1000

643.1050

	643.0910	643.0920	
	COVERING	COVERING	
	TYPE I	TYPE II	
OF	SIGNS	SIGNS	
.ES			
	EACH	EACH	REMARKS
			32
			54
			-
	1		COVER "SOUTH 32"
	1		COVER "SOUTH 32"
			COVER SOUTH S2
			32
			54
			AHEAD
			32
			54
			32
			54
			TILT RIGHT
			32
			54
			AHEAD
			32
			54
			57
			32
			54
			32
			54
			RIGHT
			32
			52
			LEFT
			32
			54
	2	0	

SHEET

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN		SIGN	SIZE	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 50	643.0900 SIGNS	643.0420 BARRICADES TYPE III	643.0705 WARNING LIGHTS TYPE A	643.1000 FIXED MESSAGE SIGN	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE	NO. CYC
NO.	LOCATION	CODE	₩ХН		DAYS	DAYS	DAYS	DAYS	SF	DAYS	
90	MILITARY AVE, N. OF STH 32/54, PLACE 1000' N. OF STH 32/54 INTERSECTION	M 4-8A	24"x18"	1	50	50				'	
	"	M 1-6	24"x24"	1	50	50				ļ'	<u> </u>
01		M 1-6	24"X24"	1	50	50				'	I
91	MILLIARY AVE, N. OF SIH 32/54, PLACE 200' N. OF SIH 32/54 INTERSECTION	MO 4-8	24"X12"		50	50				'	┢───
	"	M 1-6	24 X24		50	50				<b> </b> '	<u> </u>
92		P 11_3P	24 X24 60"x30"		50	50	50	100		<u> </u> ′	
52	STR 52/54, AT MILITART AVE, FLACE IN NW QUADRANT OF INTERSECTION	M 4-9R	30"x24"	1	50	50	50	100		<u> </u>	<u> </u>
93	STH 32/54. F. OF MILITARY AVE. PLACE 150' F. OF MILITARY AVE INTERSECTION	MO 4-8	24"x12"	1	50	50				[,]	<u> </u>
	"	M 1-6	24"x24"	1	50	50					
	11	M 1-6	24"x24"	1	50	50					<u> </u>
	n	MO 6-1	21"x21"	1	50	50				·	<u> </u>
94	STH 32/54, E. OF MILITARY AVE, PLACE 1000' E. OF MILITARY AVE INTERSECTION	MO 4-8	24"x12"	1	50	50					
	П	м 1-6	24"x24"	1	50	50			1	1	
	11	м 1-6	24"x24"	1	50	50					
	11	MO 5-1R	21"X21"	1	50	50					
95	STH 32/54, E. OF MILITARY AVE, PLACE 1750' E. OF MILITARY AVE INTERSECTION	FMS	60"x24"	1	50				10		
96	STH 32/54, E. OF MILITARY AVE, PLACE 1/2 MILE E. OF MILITARY AVE INTERSECTION	MO 4-8	24"x24"	1	50	50					
	"	MO 4-8	24"x24"	1	50	50					
	11	W 20-2A	48"x48"	1	50	50					
97	MILITARY AVE, S. OF STH 32/54, PLACE 500' S. OF STH 32/54 INTERSECTION	MO 4-8	24"x12"	1	50	50					L
	"	м 1-6	24"x24"	1	50	50					L
	"	м 1-6	24"x24"	1	50	50					L
	"	MO 6-1	21"x21"	1	50	50				'	<b> </b>
98	MILITARY AVE, S. OF STH 32/54, PLACE 1250' S. OF STH 32/54 INTERSECTION	FMS	60"x24"	1	50				10	'	I
99	MILITARY AVE, S. OF STH 32/54, PLACE 2000' S. OF STH 32/54 INTERSECTION	M 1-6	24"X24"	1	50	50				'	<u> </u>
		M 1-6	24"X24"		50	50				'	I
100		W 20-2A	48"X48"		50	50				'	<u> </u>
100	SIN 52/34, W. OF MILITARY AVE, PLACE 200 W. OF MILITARY AVE INTERSECTION	MU 4-0	24 XIZ		50	50				<u> </u> '	<u> </u>
	"	M 1-6	24 X24 24"x24"		50	50				'	<u> </u>
	"	MO 6-1	24 <u>7</u> 24 21"x21"	1	50	50					
101	STH 32/54 W OF MTLITTARY AVE COVER EXISTING 14-2 STGN AS SHOWN		21 //21		50	50					<u> </u>
102	STH 32/54. W. OF MILITARY AVE. PLACE 700' W. OF MILITARY AVE INTERSECTION	MO 4-8	24"x12"	1	50	50					
-	и И	м 1-6	24"x24"	1	50	50					
	II	м 1-6	24"x24"	1	50	50					
	11	MO 5-1L	21"x21"	1	50	50				1	
103	STH 32/54, E. OF TAYLOR ST, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1						7	
104	STH 32/54, E. OF TAYLOR ST, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1						7	
	PAGE SUBTOTALS			38		1,700	50	100	20.0	14	

PROJECT NUMBER: 9210-19-71 HWY: STH 32/54 COUNTY: BROWN MISCELLANEOUS QUANTITIES

	643.0910	643.0920	
	COVERING	COVERING	
	TYPE I	TYPE II	
OF	STGNS	STONS	
	51015	51015	
LLS	FACU	FACU	DEMARKS
	EACH	EACH	REMARKS
			32
			54
			32
			54
			1/2 MILE AHEAD
			,
			32
			5 <u>2</u> F4
			34
			RIGHT
			32
			54
			SEE SIGN DETAIL SHEET
			32
			54
			J4
			32
			54
			AHEAD
			SEE SIGN DETAIL SHEET
			32
			54
			22
			32
			54
			LEFT
1		1	COVER ENTIRE SIGN
			PLACE IN ADVANCE OF CLOSURE
			PLACE IN ADVANCE OF CLOSURE
		1	
	U	T	
	12	5	
SHEE	T FOR BID	ITEMS 643	.0420, 643.0705, AND 643.0900
			,

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#### TRAFFIC CONTROL ITEMS

	643.0300	)	643.0420	643.0420*		643.0705*		643.0715		*	643.5000
	TRAFFIC CONT	FROL	TRAFFIC CON	TROL	TRAFFIC CON WARNING LIGH	TROL TS TYPE	TRAFFIC CON WARNING LIGH	TROL TS TYPE			TRAFFIC
	DRUMS		BARRICADES T	YPEIII	A		С		TRAFFIC CONTRC	DL SIGNS	CONTROL
LOCATION	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	NO. IN SERVICE	DAY	EACH
STH 32	-	-	-	-	-	-	-	-	-	-	1
STH 32	10	50	8	50	10	50	10	50	2	50	-
STH 32	8	50	6	50	8	50	8	50	2	50	-
			T (								
TOTAL	900		700		900		900		200		1

*ADDITIONAL QUANTITIES SHOWN UNDER TRAFFIC CONTROL DETOUR SIGN SUMMARY

#### EXCAVATION

#### CONSTRUCTION STAKING

					650.4000	650.7000	650.9911.01 CONSTRUCTION STAKING	STATION	TO	STATION	
						CONSTRUCTION	SUPPI EMENTAL		10	30,000	Locition
					CONSTRUCTION	STAKING	CONTROL	57+16	-	57+49	STH 32 EB
					STAKING STORM	CONCRETE	(PROJECT) (01.	57+16	-	57+36	STH 32 WB
					SEWER	PAVEMENT	9210-19-71)				
STA	TION	TO	STATION	LOCATION	EACH	LF	EACH				PROJECT TOTAL
56	5+85	-	57+49	STH 32	4	70	1				
				PROJECT TOTAL	4	70	1				

### MISC

#### <u>REMOVALS</u>

STATION	ТО	STATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	690.0250 SAWING CONCRETE LF	STATION	ТО	STATION	LOCATION
57+16	-	57+49	STH 32, WB	69	44		-		STH 32
57+16	-	57+36	STH 32, EB	60	28	56+85	-	57+36	STH 32, B-05-0284
			PROJECT TOTAL	130	72				PROJECT TOTAL

PROJECT NO: 9210-19-71	HWY: STH 32	COUNTY: BROWN	MISCELLANEOUS QUANTITIES	
FILE NAME : N:\PDS\\030200_mq.pptx		PLOT DATE: January 11, 2023	PLOT BY : M.M.J.	PLOT NAME :

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REMARKS

WEST PROJECT LIMITS EAST PROJECT LIMITS

205.010 EXCAVATI COMMC CY	DO ON N	REMARKS	
14	EXS	SITING BASE AGGRE	EGATE
20	EXS	SITING BASE AGGRE	EGATE
34			
618.0100.01	619.1000	642.5001	999.2000.S.01
			INSTALLING AND
MAINTENANCE			MAINTAINING
			BIRD DETERRENT
(PROJECT) (01.		FIFLD OFFICE	(STATION) (01.
9210-19-71)	MOBILIZATION	TYPE B	STA 57+10)
EACH	EACH	EACH	EACH
1	1	1	
-	-	-	-
			Ŧ
1	1	1	1
		SHEET:	

PLOT SCALE : 1:1

#### BASE AGGREGATE

				305.0120 BASE AGGREGATE DENSE 1 1/4-
				INCH
STATION	TO	STATION	LOCATION	TON
57+16	-	57+49	STH 32, WB	30
57+16	-	57+36	STH 32, EB	20
57+16	-	57+36	STH 32, MEDIAN	25
			PROJECT TOTAL	76

						CONCRETE ITEM	<u>IS</u>			
				415.0410	416.0610	416.0620	416.1710	509.0200	509.0600	509.2600 CONCRETE
				CONCRETE			CONCRETE			MASONRY
				PAVEMENT	DRILLED TIE	DRILLED DOWEL	PAVEMENT	PREPARATION	CLEANING	OVERLAY
				APPROACH SLAB	BARS	BARS	REPAIR	APPROACHES	APPROACHES	APPROACHES
 STATION	TO	STATION	LOCATION	SY	EACH	EACH	SY	SY	SY	CY
57+16	-	57+36	STH 32 WB	70	-	17	-	-	-	-
57+36	-	57+49	STH 32 WB	-	5	14	21	-	-	-
57+16	-	57+36	STH 32 EB	60	-	28	-	-	-	-
56+64	-	56+85	STH 32 WB	-	-	-	-	5	64	3
56+64	-	56+85	STH 32 EB	-	-	-	-	5	83	3
			PROJECT TOTAL	130	5	59	21	10	147	6

### PAVEMENT MARKINGS

				646.1020 MARKING LINE EPOXY 4-INCH
STATION	ТО	STATION	LOCATION	LF
56+85	-	57+49	STH 32 WB	131
56+85	-	57+36	STH 32 EB	113
			PROJECT TOTAL	244

PROJECT NO: 9210-19-71	HWY: STH 32	COUNTY: BROWN	MISCELLANEOUS QUANTITIES	
FILE NAME : N:\PDS\\030200_mq.pptx		PLOT DATE: January 10, 2023	PLOT BY : M.M.J.	PLOT NAME :

	601.0452	
	CONCRETE CURB	
	& GUTTER	
	INTEGRAL 30-	
S	INCH TYPE D	
	LF	REMARKS
	40	WB EAST CONCRETE APPROACH SLAB
	13	WB RIGHT LANE PAVEMENT REPLACEMENT
	40	EB EAST CONCRETE APPROACH SLAB
	-	WB WEST CONCRETE APPROACH SLAB
	-	EB WEST CONCRETE APPROACH SLAB
	93	

### STORM SEWER ITEMS

				204.0245.01 REMOVING STORM SEWER	520.8000 CONCRETE	608.0212 STORM SEWER PIPE REINFORCED	611.0530	611.0624	611.2004
				(SIZE) (01.15"	COLLARS FOR	CONCRETE CLASS II 12-	MANHOLE	INLET COVERS	MANHOLES 4-FT
				RCP)	PIPE	INCH	COVERS TYPE J	TYPE H	DIAMETER
 STATION	TO	STATION	LOCATION	LF	EACH	LF	EACH	EACH	EACH
57 EB + 18	-	57 EB +18	INLET 1.1	-	-	-	-	1	-
57 EB + 18	-	57 EB + 18	INLET 1.1 - INLET 1.2	-	-	25	-	-	-
57 EB + 18	-	57 EB + 18	INLET 1.2	-	-	-	-	1	-
57 EB + 18	-	57 WB + 19	INLET 1.2 - INLET 1.3	-	-	13	-	-	-
57 WB + 19	-	57 WB+19	INLET 1.3	-	-	-	-	1	-
57 WB + 19	-	57 WB+41	INLET 1.3 - MH1	-	-	46	1	-	1
57 WB+41	-	57 WB+41	MH1	7	2	-	-	-	-
			PROJECT TOTAL	7	2	84	1	3	1

			REST	ORATION				
				625.0100	625.0500 SALVAGED	629.0210 FERTILIZER TYPE	630.0140 SEEDING	630.0500
				TOPSOIL	TOPSOIL	В	MIXTURE NO. 40	SEED WATER
 STATION	ТО	STATION	LOCATION	SY	SY	CWT	LB	MGAL
57+16	-	57+55	STH 32 WB	-	49	0.03	0.9	1.1
57+16	-	57+36	STH 32 EB	-	4	0.01	0.1	0.1
57+16	-	57+36	MEDIAN	25	-	0.02	0.1	0.5
			UNDISTRIBUTED	-	-	0.02	0.3	0.4
			PROJECT TOTAL	25	54	0.08	2.0	3.0

			EROSION CONTROL	-			
				628.1504	628.1520	628.2006 EROSION MAT	628.7015 INLET
					SILT FENCE	URBAN CLASS I	PROTECTION
				SILT FENCE	MAINTENANCE	TYPE A	TYPE C
STATION	TO	STATION	LOCATION	LF	LF	SY	EACH
56+85	-	57+82	STH 32 WB	87	87	48	-
56+80	-	57+88	STH 32 EB	90	90	-	-
56+15	-	57+25	STH 32 WB	-	-	-	3
56+50	-	57+25	STH 32 EB	-	-	-	4
			UNDISTRIBUTED	44	44	12	-
			PROJECT TOTAL	222	222	60	7

PROJECT NO: 9210-19-71	HWY: STH 32	COUNTY: BROWN	MISCELLANEOUS QUANTITIES	
FILE NAME : N:\PDS\\030200_mq.pptx		PLOT DATE: January 10, 2023	PLOT BY : M.M.J.	PLOT NAME :

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#### 611.3230

INLETS 2X3-FT EACH	
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PLOT DATE : 1/11/2023 4:11 PM

## Standard Detail Drawing List

08A05-19A 08A05-19D INLET COVERS TYPE A, H, A-S, H-S & Z INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M 08в09-03 MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER 08c07-02 INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT 08D01-22A CONCRETE CURB & GUTTER 08D01-22B 08E09-06 CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS SILT FENCE 08E10-02 INLET PROTECTION TYPE A, B, C AND D 08F04-08 13B02-09A 13C01-19 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL CONCRETE PAVEMENT APPROACH SLAB CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-10 15C02-08A URBAN DOWELED CONCRETE PAVEMENT BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15С02-08в BARRICADES AND SIGNS FOR VARIOUS CLOSURES 15C02-08C 15C05-05 DETOUR SIGNING FOR MAINLINE CLOSURES TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS 15C08-22A LONGITUDINAL MARKING (MAINLINE)







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



## **GENERAL NOTES**

ENGINEER.

EQUIVALENT CAPACITY AND STRENGTH.

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

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

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

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

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

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

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

CAST-IN-PLACE STRUCTURES.

#### INLET COVER MATRIX

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

#### PIPE MATRIX

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

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

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DEPARTMENT OF TRANSPORTATION

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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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## **CONCRETE PAVEMENT** 0 2 3 DEPARTMENT OF TRANSPORTATION ~ Δ

PAVEMENT SUPERVISOR

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## **GENERAL NOTES**

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES

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

## CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE

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

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CONSTRUCTION JOINTS

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 UPON FIELD CONDITIONS.

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

FORMING CONSTRUCTION JOINTS.

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

## **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.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN

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.

(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
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9" & ABOVE	1 ¼"	15'

## **URBAN DOWELED CONCRETE PAVEMENT**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2022 DATE

/S/ Peter Kemp P.E PAVEMENT SUPERVISOR

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#### **GENERAL NOTES**

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.
- (3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (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.

6

![](_page_38_Figure_26.jpeg)

S

![](_page_39_Figure_0.jpeg)

**SDD 15C02** . 0 80

6

February 2020 DATE

WORK ZONE ENGINEER

60 0 . N Ö ١**Ņ** ~ ۵

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![](_page_40_Figure_0.jpeg)

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

![](_page_40_Figure_3.jpeg)

![](_page_41_Figure_0.jpeg)

**SDD 15C08** 22a

![](_page_42_Figure_0.jpeg)

FILE NAME : C:\CAEfiles\Projects\tr_d3_3051a619FMS.dgn

7

![](_page_43_Figure_0.jpeg)

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

![](_page_44_Figure_0.jpeg)

![](_page_44_Figure_5.jpeg)

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

![](_page_45_Figure_0.jpeg)

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

![](_page_46_Figure_0.jpeg)

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

![](_page_47_Figure_0.jpeg)

![](_page_48_Figure_0.jpeg)

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

## GENERAL NOTES

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

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

![](_page_49_Figure_0.jpeg)

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn

7

PLOT BY : mscj9h PLOT NAME :

2	POSTS	HOLE SPACING			MOU H(	NTING DLES			
	2	16''	15''	31''	47''	63''			
	2	17''	16 ¹ /2''	33  /2"	50  /2''	6 <b>7</b> 1/2'	I		
	2	18''	18''	36''	54''	72''			
	2	19''	19 ¹ /2''	38  /2"	57  /2"	76  /2'			
	2	20''	21''	41''	61''	81''			
	2	21''	22  /2"	' 43  /2"	64  /2"	85  /2'			
	3	15''	12''	2 <b>7</b> ''	42''	57''	<b>7</b> 2''	87''	102''
	3	16''	12''	28''	44''	60''	76"	92''	108''
	3	17''	12''	29''	46''	63''	80''	97"	114''
	3	18''	12''	30"	48''	66''	84''	102''	120''
	3	19''	12''	31''	50"	69"	88''	107''	126''
	3	20''	12''	32''	52"	72"	92"	112''	132''

PLOT SCALE : 41.805205:1.000000

![](_page_50_Figure_0.jpeg)

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

![](_page_51_Figure_0.jpeg)

## 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

![](_page_52_Figure_0.jpeg)

NOTES

- 2. Color:
  - Background White Message – Black

![](_page_52_Figure_7.jpeg)

SIZE	А	В	С	D	E	F	G	н	I	J	К	L	м	N	0	Р	0	R	S	Т	U	v	W	Х	Y
1																									
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 1/8	11 ½	1	1 7/8	11 1/4	21 7/8									
3	36		2 1/4			18	8 3⁄4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33									
4	36		2 1/4			18	8 3⁄4	9 1/4	15 3/8	5 3/8	12 5/8	17 1⁄8	1 1/2	2 7/8	16 7/8	33									
5	36		2 1/4			18	8 3⁄4	9 1/4	15 3/8	5 3/8	12 5/8	17 1⁄8	1 1/2	2 7/8	16 7/8	33									
PR	DJECT	NO:					н	VY:					COUN	NTY:											
FILE NAME : C:\CAFfiles\Projects\tr_stdplate\M16.DGN PLOT DATE : 16-MAR-2018 14										4 • 1 1	PL OT	BY • \$\$	olotuse	ar \$\$		F :									

7

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

Z Årea sq. ft.		STATE M1-6 F	ROUTE MARKI FOR ASSEMBLI	ER IES					
4.0		WISCONSIN	DEPT OF TRANSPORTAT	ION					
9.0		APPROVED	Matthe & Paul						
9.0			$f_{or}$ State Traffic Engineer	2					
9.0	J	DATE <u>3/16/</u>	<u>18</u> PLATE NO. <u>M1-6</u>	.10					
			SHEET NO:	E					
PL0	PLOT SCALE : 6.655277:1.000000 WISDOT/CADDS SHEET 42								

![](_page_53_Figure_0.jpeg)

FILE NAME : C:\Users\Projects\tr_stdplate\M16B.DGN

PLOT DATE : 05-DEC-2005 11:29

PLOT NAME :

-	S
_	<u> </u>

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

Background - White & Black Arrow - Type H Reflective Red 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.

![](_page_53_Picture_7.jpeg)

Z

10 1/2

15 1/2

![](_page_54_Figure_0.jpeg)

![](_page_54_Figure_1.jpeg)

![](_page_54_Figure_2.jpeg)

![](_page_54_Figure_3.jpeg)

![](_page_54_Figure_4.jpeg)

F

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HWY:

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![](_page_54_Figure_5.jpeg)

![](_page_54_Figure_6.jpeg)

![](_page_54_Figure_7.jpeg)

![](_page_54_Figure_8.jpeg)

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

MB3-1 thru MB3.

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

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PROJECT NO:

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FILE NAME · C·\CAFFiles\Projects\tr_stdplote\M31_DCN

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COUNTY:

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PLAT DATE . AL-DEC-2015 17:54 PLAT RY . \$\$ Diatuser \$\$ PLAT NAME :

U

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

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

-

![](_page_55_Figure_0.jpeg)

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 R 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								

![](_page_56_Figure_0.jpeg)

- WIS DOT Standard and STRUCTURE CON
- 2. Color:
  - Background Or Message – Black
- 3. Message Series -
- 4. Corners may be so material is plywood as shown. When ba corners and borde

![](_page_56_Figure_6.jpeg)

SIZE	Α	В	С	D	E	F	G	н	I	J	к	L	М	N	0	P	0	R	S	Т	U	v	w	Х	Y	Γ
1																										ſ
2	24	18	1 1/8	3⁄8	1/2	6	2	2	4 3/4	9 3/4																ſ
3	30	24	1 1/8	3⁄8	1/2	8	2 1/2	3	6 3⁄4	13																ſ
4																										ſ
5																										
PROJECT NO: HWY: COUNTY:													-				-									
FILE NAME : C:\Users\PROJECTS\tr_stdplate\M48A.DGN PLOT DATE : 09-MAR-2011 1											10:29	PLOT BY : mscj9h PLOT NAME :			AME :											

NOTES

- Type F Reflective - referer d Specification for HIGHWAY ONSTRUCTION latest edition.	ICE
)range ck - B	
square or rounded when base od but borders shall be round base material is metal, the ders shall be rounded.	led
	_
STANDARD S	IGN
<u>Z sq. fr.</u> M4 - 8 A	
3.0 WISCONSIN DEPT OF TRANS	PORTATION
5.0 AFFROVED Matther R	Kauch
	gineer 0 M4-8A.2
SHEET NO:	<u> </u>
PLOT SCALE : 3.972696:1.000000 WISDOT/C	ADDS SHEET 42

![](_page_57_Figure_0.jpeg)

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

PLOT DATE . 01-DEC-2015 18.07

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

```
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	STA		ND SIGN	1	
Z	sq. ft.	М	5-1 8	& M5-2		
	3.06	WISCONSIN	DEPT OF	TRANSPORT	ATION	
	6.25	APPROVED	Matthe	, P. P.		1
	6.25	<u>ــــــــــــــــــــــــــــــــــــ</u>	For state	Traffic Engineer	MA	<u> </u>
	6.25	DATE <u>10/15</u> /	/15	PLATE NO. ME	5-1.13	
			SHEET	NO:		Ε

![](_page_58_Figure_0.jpeg)

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

7

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

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

IOTES
e II - Type H except as Shown
- See note 4 See note 4
be square or rounded when base wood but borders shall be rounded n base material is metal, the borders 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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Ñ	
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Z	Årea sq. ft.	ST/ Me	ANDAF 5-1 8 SEF	RD SIC (M6-2 RIES	SN 2	
	3.06	WISCONSIN	DEPT OF	TRANSPOR	RTATION	r
	6.25	APPROVED	Matthe	, P M	0	1
	6.25		For State	Traffic Engineer	- autor	<del>,</del>
	6.25	DATE <u>10/15</u> .	/15	PLATE NO	M6-1.1	5
			SHEET	NO:		Ε

![](_page_59_Figure_0.jpeg)

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. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.

$\Big)$
1

.5	STANDARD SIGN					
2.5	R11-3B					
2.5	WISCONSIN DEPT OF TRANSPORTATION					
	APPROVED <u>Matther &amp; Rauch</u> For State Traffic Engineer					
	DATE 3/21/17 PLATE NO. R11-3B.3					
	SHEET NO: E					
PLOT SCALE : 6.896672:1.000000 WISDOT/CADDS SHEET 42						

![](_page_60_Figure_0.jpeg)

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN

PLOT DATE : 18-MAR-2011 10:00

PLOT NAME :

PLOT BY : mscj9h

## NOTES

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

Message – Black

 Message Series - See note 5
 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.
 Line 1 is Series D. Line 2 is Series D for AHEAD and Series C for all other distances.

7	Area	l				
۷	sq. ft.					
	9.0		5	IANDA	RD SIGN	
	16.0		W20	-2A.B.	C.D.F &	G
	16.0					
	16.0		W/SCO	NSIN DEPT	OF TRANSPORTATIO	W
	16.0		APPROVED	Math	R R Ray	L
	10.0			for St	ate Traffic Engineer	<u>~</u>
	16.0		DATE 3	/18/11	PLATE NO. W20-2	.6
						_
				SHEET	NO:	E
	PLO	DT SCALE : 9.93173	) wisc	OT/CADDS SHEE	T 42	

![](_page_61_Figure_0.jpeg)

![](_page_62_Figure_0.jpeg)

STRUCTURE	NO.
	NU.
D-0-204	

				B-D-	204				
FIELD OBSERVATIONS SUMMARY		ROAD	WAY	MED	IAN	SIDEV	VALKS	LEGEND	
ITEM	UNIT	QUANT.	%	QUANT.	%	QUANT.	%	DELAMINATION	
TOTAL AREA	ft²	1934		283		612		SPALL	
SHADE/DEBRIS	ft²	0		0		0			
DELAMINATION	fť	139	7.2	22	7.8	0	0	DEBUND/ SCHEING	
SPALL	ft²	4	0.2	0	0	0	0	SEALANT/AC PATCH	
DEBOND/SCALING	ft²	N/A	N/A	N/A	N/A	N/A	N/A	CONCRETE PATCH	$\mathbb{A}$
SEALANT/AC PATCH	ft²	102	5.3	0	Ø	0	0	SHADE /DEBRIS	TTA
CONCRETE PATCH	ft²	0	0	0	0	0	0	STADE, DEDITIS	

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## STATE PROJECT NUMBER 9210-19-71

## <u>NOTES</u>

SURVEY IS SHOWN FOR INFORMATION PURPOSES ONLY AND MAY NOT BE ALL INCLUSIVE. ADDITIONAL PATCHING/PREPARATION MAY BE REQUIRED AND SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER.

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NO	DATE	PE	VISION			BV			
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION								
5	STRUCTURE B-05-284								
			DRAWN BY	PJR	PLANS CK'D.	CAD	00		
	ſ			SHE	ET 2		= 10.		
		SURVEY					SCALE		

![](_page_63_Picture_0.jpeg)

# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

![](_page_63_Picture_4.jpeg)