PROJE:

PLAN

AUG 2015

ORDER OF SHEETS

Title Section No. 1 Section No. 2 Typical Sections and Details Estimate of Quantitles Section No. 3 Miscellaneous Quantitles

Right of Way Plat Section No. 5 Plan and Profile

Section No. 6 Standard Detail Drawings Section No. 7 Sign Plates

Structure Plans Scotton No. 9 Computer Earthwork Data -Section No. 9 Cross Sections

TOTAL SHEETS = 46

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

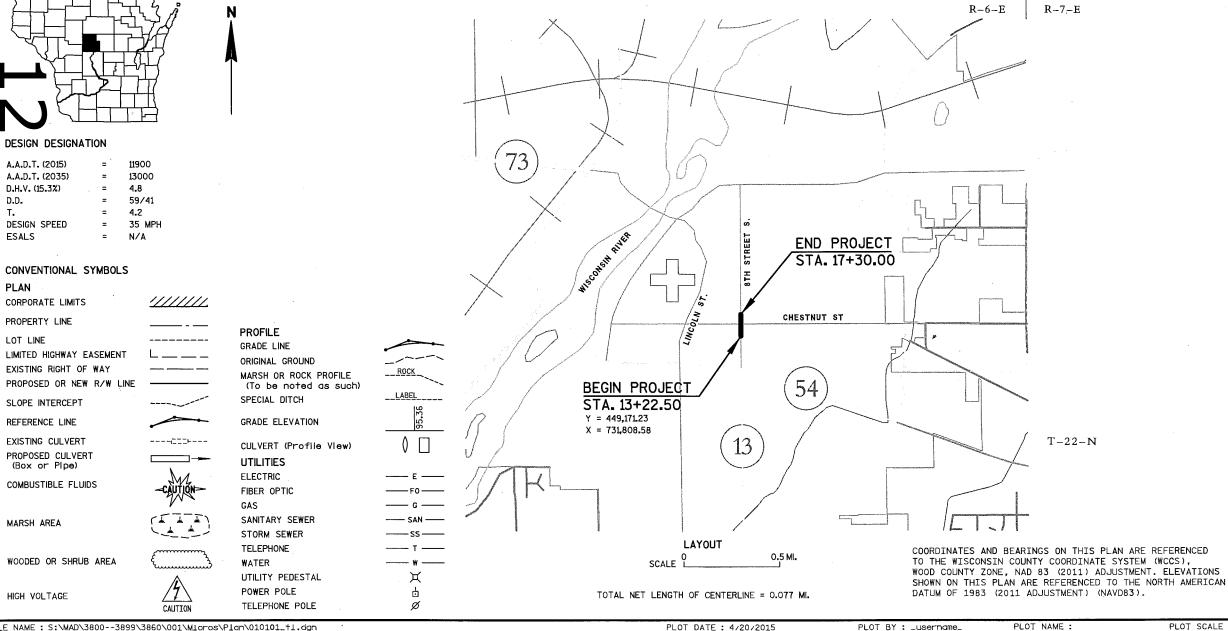
FEDERAL PROJECT STATE PROJECT CONTRACT PROJECT WISC 2015472 6999-06-78

WIRAPIDS, 8TH AND CHESTNUT STREETS

INTERSECTION MODIFICATION

LOCAL STREET WOOD COUNTY

> STATE PROJECT NUMBER 6999-06-78



CITY OF WISCONSIN RAPIDS ORIGINAL PLANS IRREPARED BY STRAND A ASSOCIATES ROBERT A JACK E-42985 VAL ENC WAL END STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PREPARED BY STRAND ASSOCIATES INC. Surveyor STRAND ASSOCIATES INC. Designer CEDAR CORPORATION Consultant

ACCEPTED FOR

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL

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

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

ALL EXISTING SIGNS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OPERATIONS REQUIRE THEIR REMOVAL OR UNLESS THE ENGINEER APPROVES THEIR REMOVAL.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

REMOVAL ITEMS SHALL BE REMOVED TO AN EXISTING JOINT, SAWCUT WHERE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

A SAWED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT IS TO MEET AN EXISTING PAVED SURFACE.

SECTION 2 ORDER OF SHEETS

GENERAL NOTES TYPICAL SECTIONS CONSTRUCTION DETAILS PLAN DETAILS PERMANENT SIGNING/PAVEMENT MARKING TRAFFIC SIGNALS ALIGNMENT DATA SHEETS CONTROL POINT DATA SHEETS

ABBREVIATIONS

AFG ABOVE FINISHED GROUND

B.P. BREAK POINT COR. CORNER

C.S.C.P. CORRUGATED STEEL CULVERT PIPE C.S.P.A. CORRUGATED STEEL PIPE ARCH D.H.V. DESIGN HOURLY VOLUME ٧. DESIGN SPEED

Dα DEGREE OF CURVE DIA. DIAMETER DIM. DIMENSION e. EXTERNAL DISTANCE

EAST EL. OR ELEV. ELEVATION

E.S.A.L. EQUIVALENT SINGLE AXLE LOAD EDGE OF PAVEMENT

E.O.P. EXIST. EXISTING GARAGE HOUSE H.P. HIGH POINT

HIGH EARLY STRENGTH H.E.S. I.P. IRON PIN

LANE DISTRIBUTION D. LENGTH (OF CURVE) LEFT HAND FORWARD L.H.F. LONG CHORD L.C. L.P. LOW POINT LT. LEFT MAXIMUM MAX. M.D. MEDIAN DRAIN MIN. MINIMIIM NOR. NORMAL NORTH

PERCENT OF TRUCKS

PLE PERMANENT LIMITED EASEMENT

PROPERTY LINE R.C.A.P. REINFORCED CONCRETE ARCH PIPE

R.C.C.P. REINFORCED CONCRETE CULVERT PIPE R.H.F.

RIGHT HAND FORWARD

RD. ROAD RT. RIGHT R/W RIGHT-OF-WAY S. SHED SHR. SHRINKAGE S.E. SUPERELEVATION S.P.B.G. STEEL PLATE BEAM GUARD

SL.ST. SLOPED STEEL TEL. TELEPHONE

TLE TEMPORARY LIMITED EASEMENT

TN. TOWN

T.O.C. TOP OF CURB TRANS. TRANSITION VOL. VOLUME WEST

UTILITIES

CHARTER COMMUNICATIONS UTILITY TYPE: COMMUNICATIONS ATTENTION: JESSE GRUNY 508 N. CENTRAL AVENUE #103 MARSHFIELD, WI 54449 (715) 370-4171

E-MAIL: jesse.gruny@charter.com

UTILITY TYPE: ELECTRIC/COMMUNICATIONS

ATTENTION: DENNIS PIERCE 440 EAST GRAND AVENUE WISCONSIN RAPIDS, WI 54494 (715) 421-8172

E-MAIL: pierce@solarus.net

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION

UTILITY TYPE: ELECTRIC ATTENTION: TODD WEILER 221 16TH STREET SOUTH WISCONSIN RAPIDS, WI 54494 (715) 422-9013

E-MAIL: todd.weiler@wrwwlc.com

CITY CONTACT

JOE EICHSTEADT, P.E. CITY OF WISCONSIN RAPIDS 444 WEST GRAND AVENUE RAPIDS, WI 54495 E-MAIL: jelchsteadt@wirapids.org **DESIGN CONTACT**

ROBERT JACK, P.E. STRAND ASSOCIATES, INC. 910 WEST WINGRA DRIVE MADISON, WI 53715 (608) 251-4843 E-MAIL: robert.jack@strand.com DNR LIAISON

MARC HERSHFIELD WISCONSIN DEPARTMENT OF NATURAL RESOURCES SERVICE CENTER 473 GRIFFITH DRIVE WISCONSIN RAPIDS, WI 54494 (715) 421-7867 E-MAIL: marc.hershfield@wisconsin.gov



PROJECT NO:6999-06-78

HWY:8TH STREET SOUTH

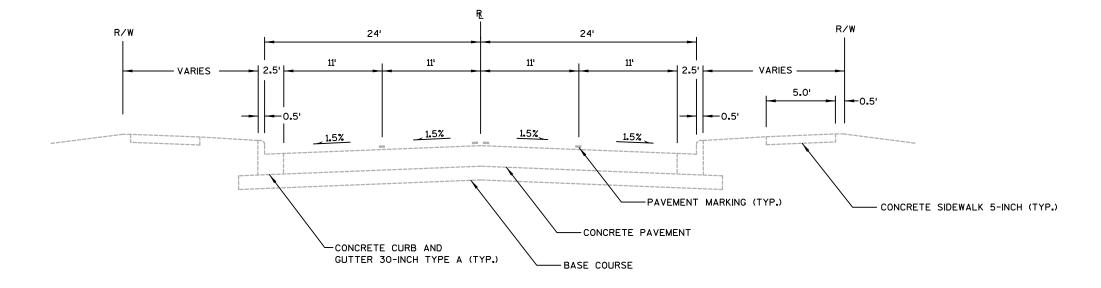
COUNTY: WOOD

GENERAL NOTES

PLOT NAME :

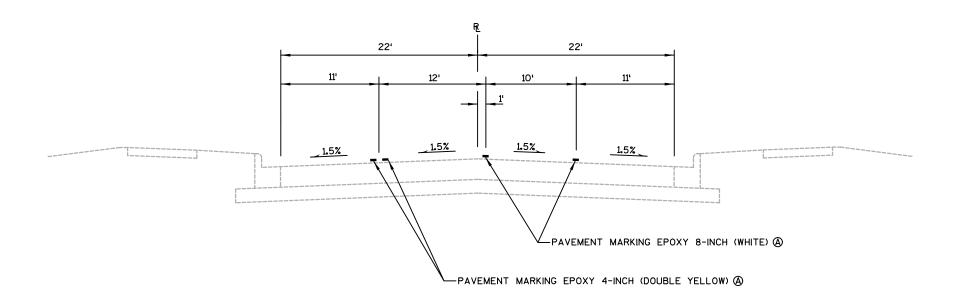
SHEET





TYPICAL EXISTING SECTION - 8TH STREET SOUTH

STA. 13+22.50 - STA. 17+30.00

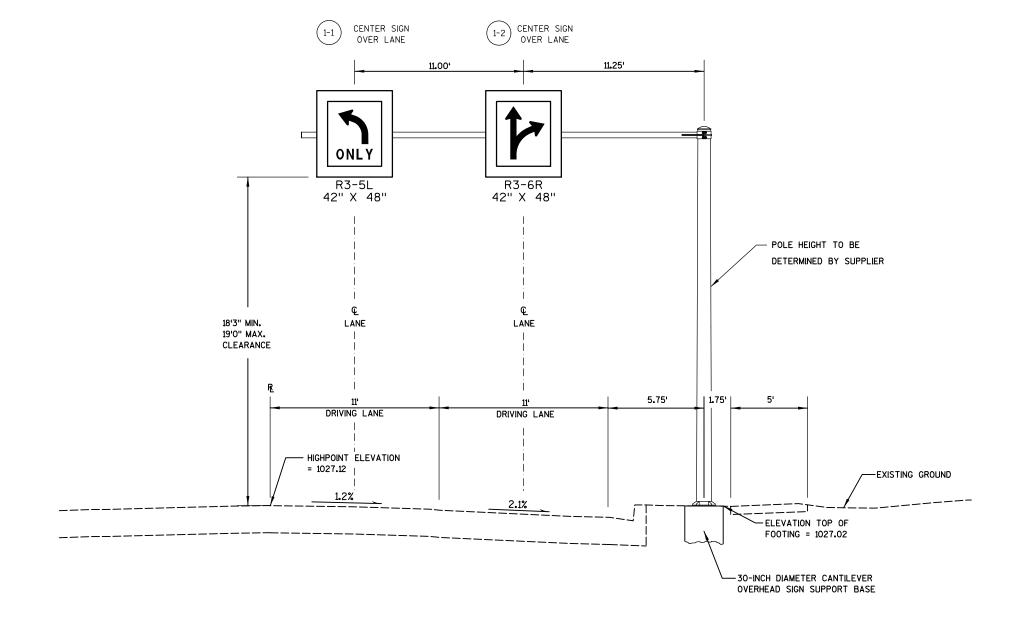


TYPICAL FINISHED SECTION - 8TH STREET SOUTH

STA. 13+22.50 - STA. 15+06.20 (LOOKING NORTHBOUND) STA. 15+74.80 - STA. 17+30.00 (LOOKING SOUTHBOUND)

A SEE PAVEMENT MARKING PLANS FOR ADDITIONAL INFORMATION

HWY:8TH STREET SOUTH COUNTY: WOOD TYPICAL SECTIONS SHEET PROJECT NO:6999-06-78 PLOT NAME :



GENERAL NOTES

DRAWINGS NOT TO SCALE

SEE S.D.D. 30-INCH DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE FOR ADDITIONAL INFORMATION

DESIGN NEW OVERHEAD SIGN SUPPORTS ACCORDING TO THE LATEST EDITION OF THE STATE OF WISCONSIN "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" AND AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".

THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGNS SHOWN.

PROVIDE AN IDENTIFICATION PLAQUE FOR ALL OVERHEAD SIGN SUPPORTS.

SIZE THE ANCHOR BOLT/TEMPLATE ASSEMBLY TO FIT WITHIN THE BAR CAGE OF THE FOOTING BASE SHOWN IN THE CONTRACT PLANS IN ADDITION TO MEETING ALL APPLICABLE DESIGN REQUIREMENTS FOR THE DESIGN OF THE UPRIGHT BASE CONNECTION.

DESIGN THE STRUCTURE BASE PLATE CONNECTION TO ACCOMMODATE A MINIMUM OF SIX (6) ANCHOR BOLTS.

OVERHEAD SIGN SUPPORT S-71-19 STA. 13+25 8TH STREET SOUTH - NORTHBOUND

PROJECT NO:6999-06-78

HWY:8TH STREET SOUTH

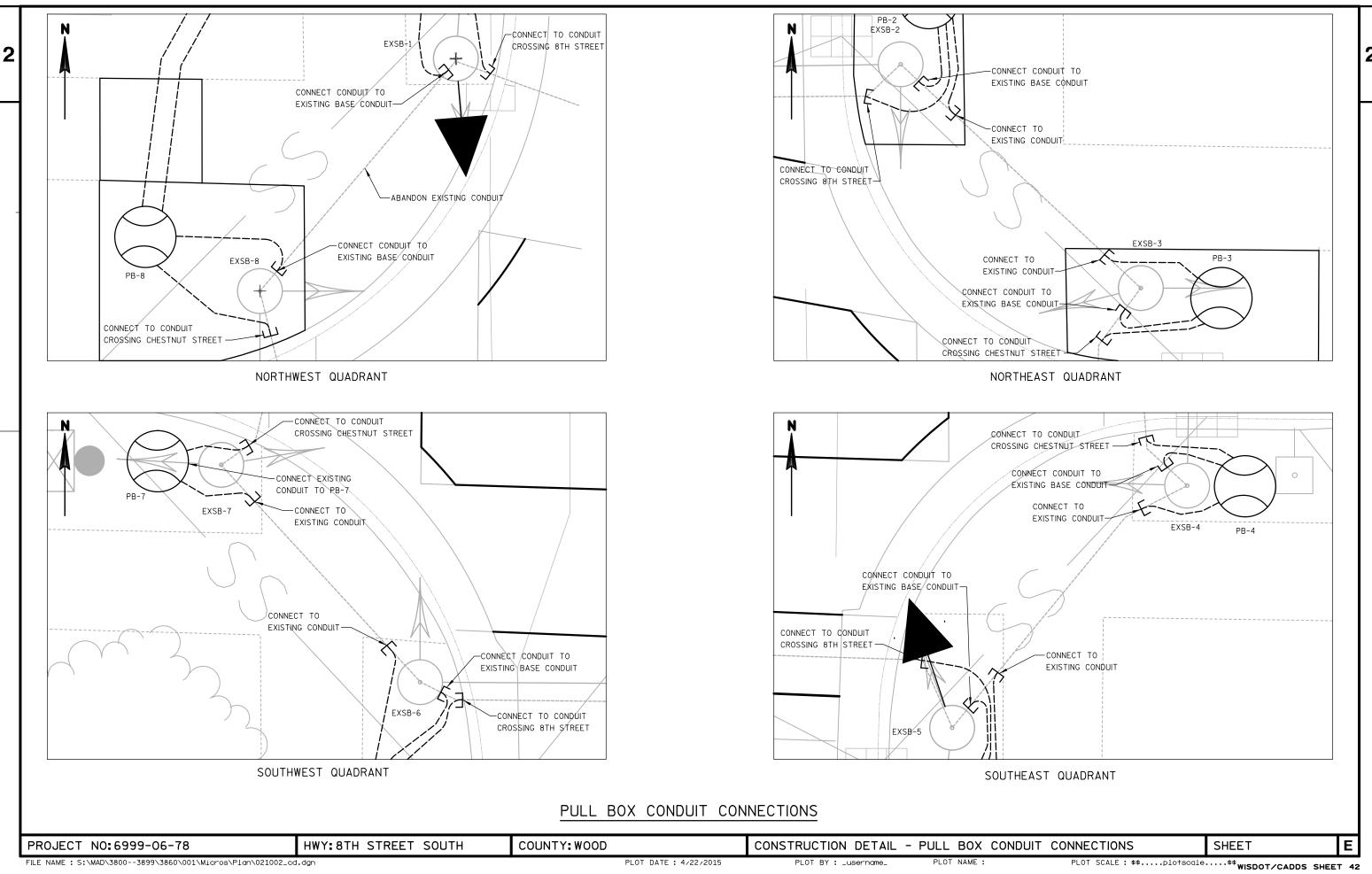
COUNTY: WOOD

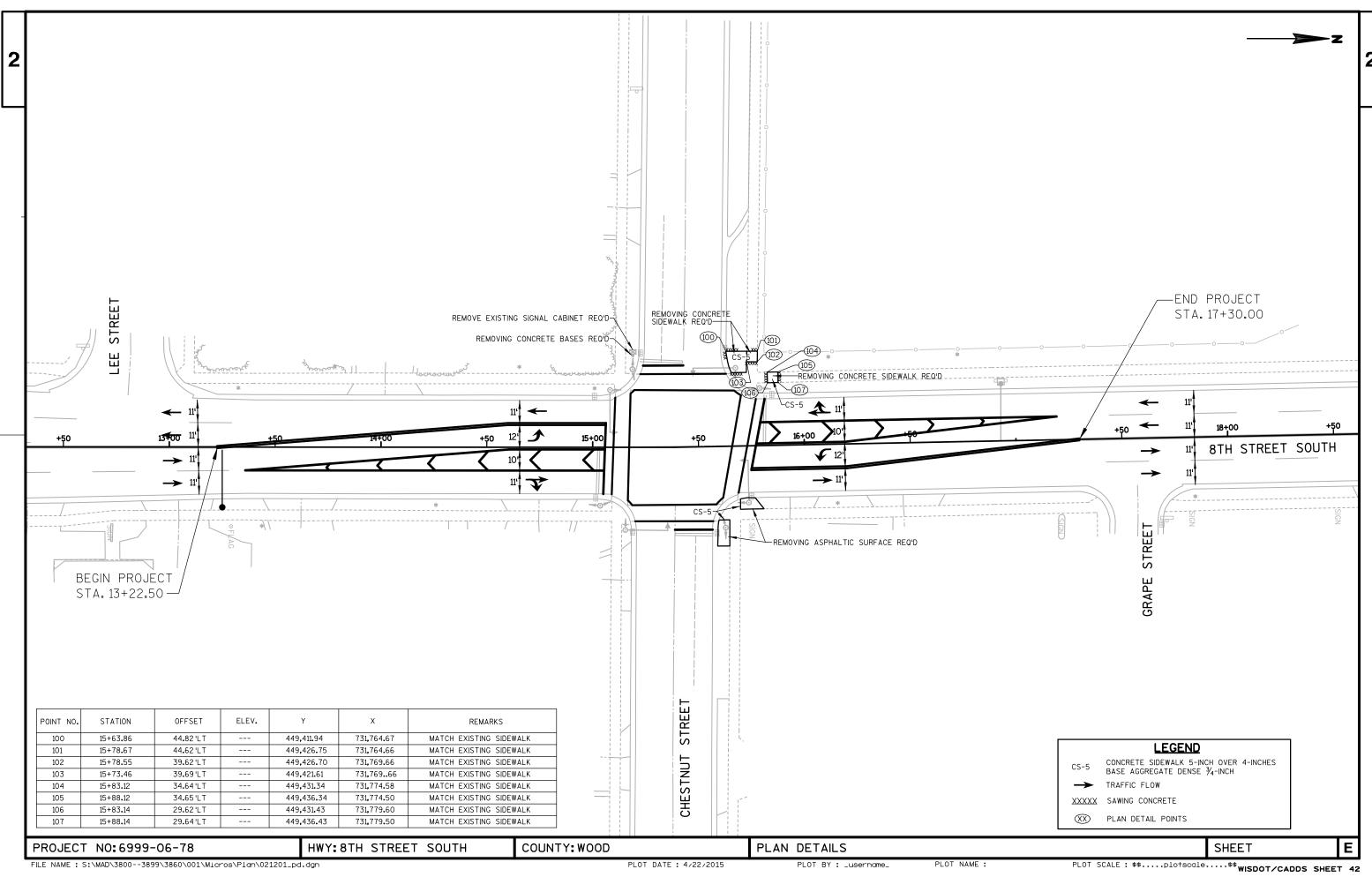
OVERHEAD SIGN SUPPORT - 8TH STREET SOUTH NORTHBOUND

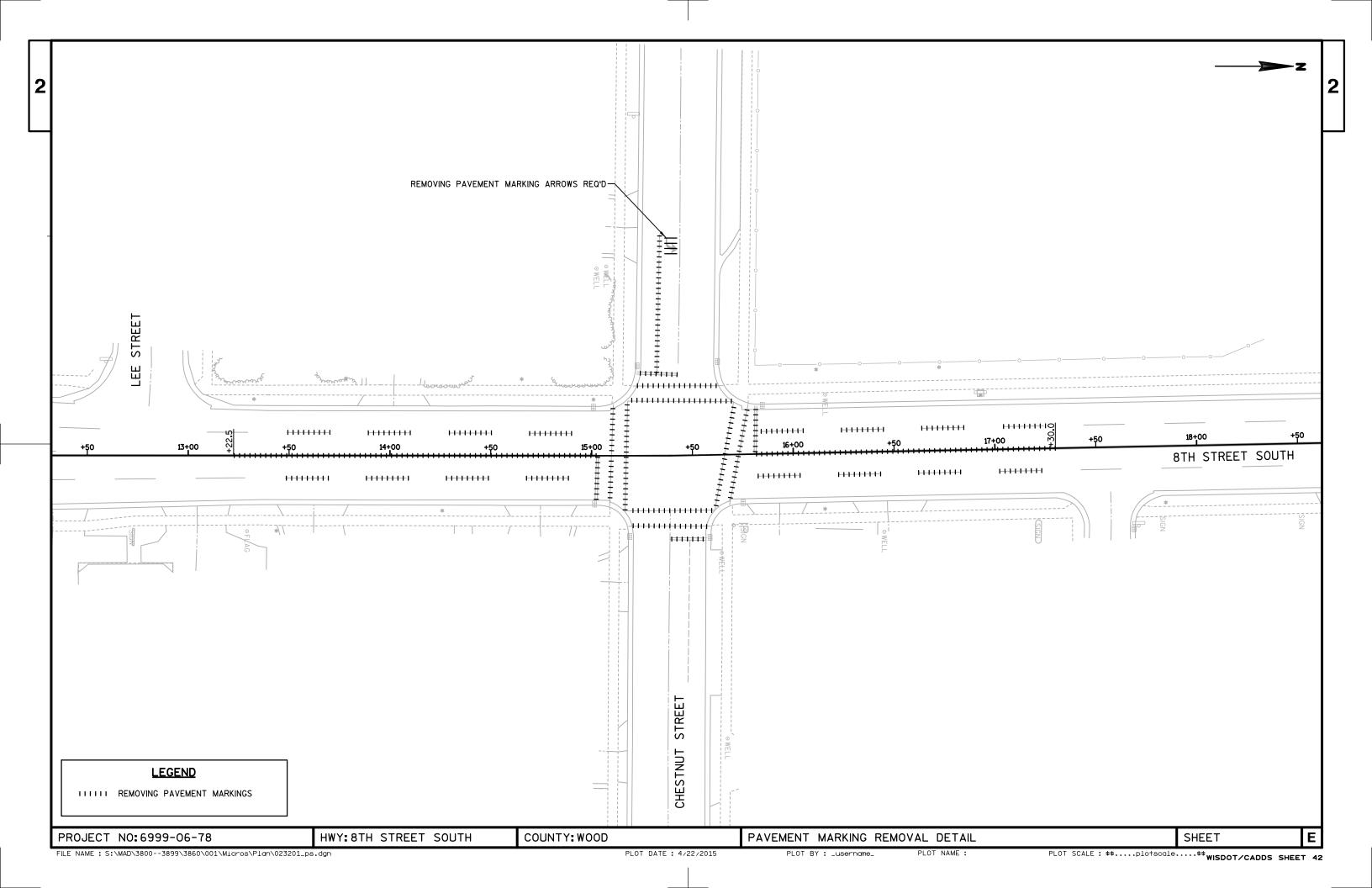
SHEET

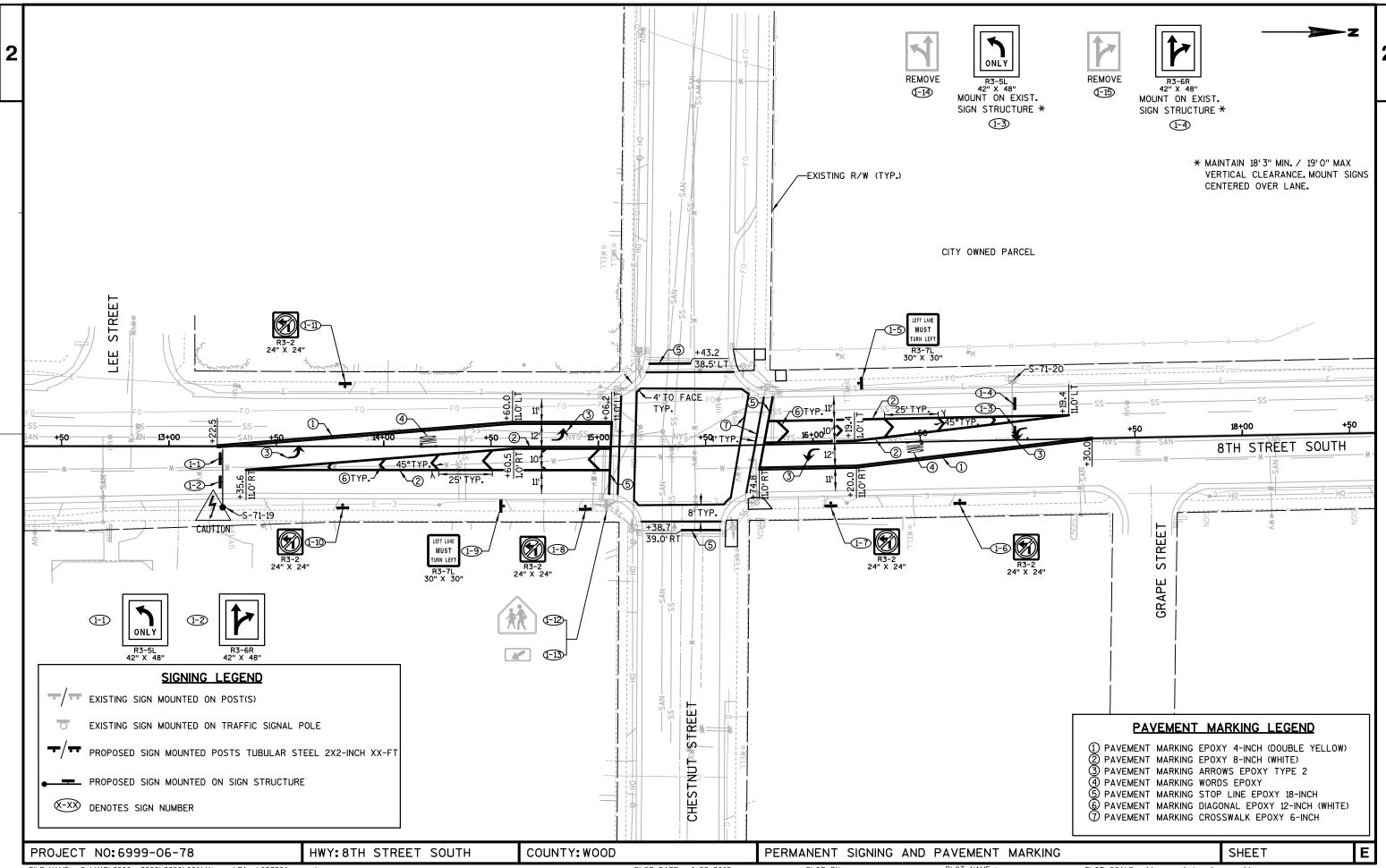
PLOT DATE: 4/22/2015

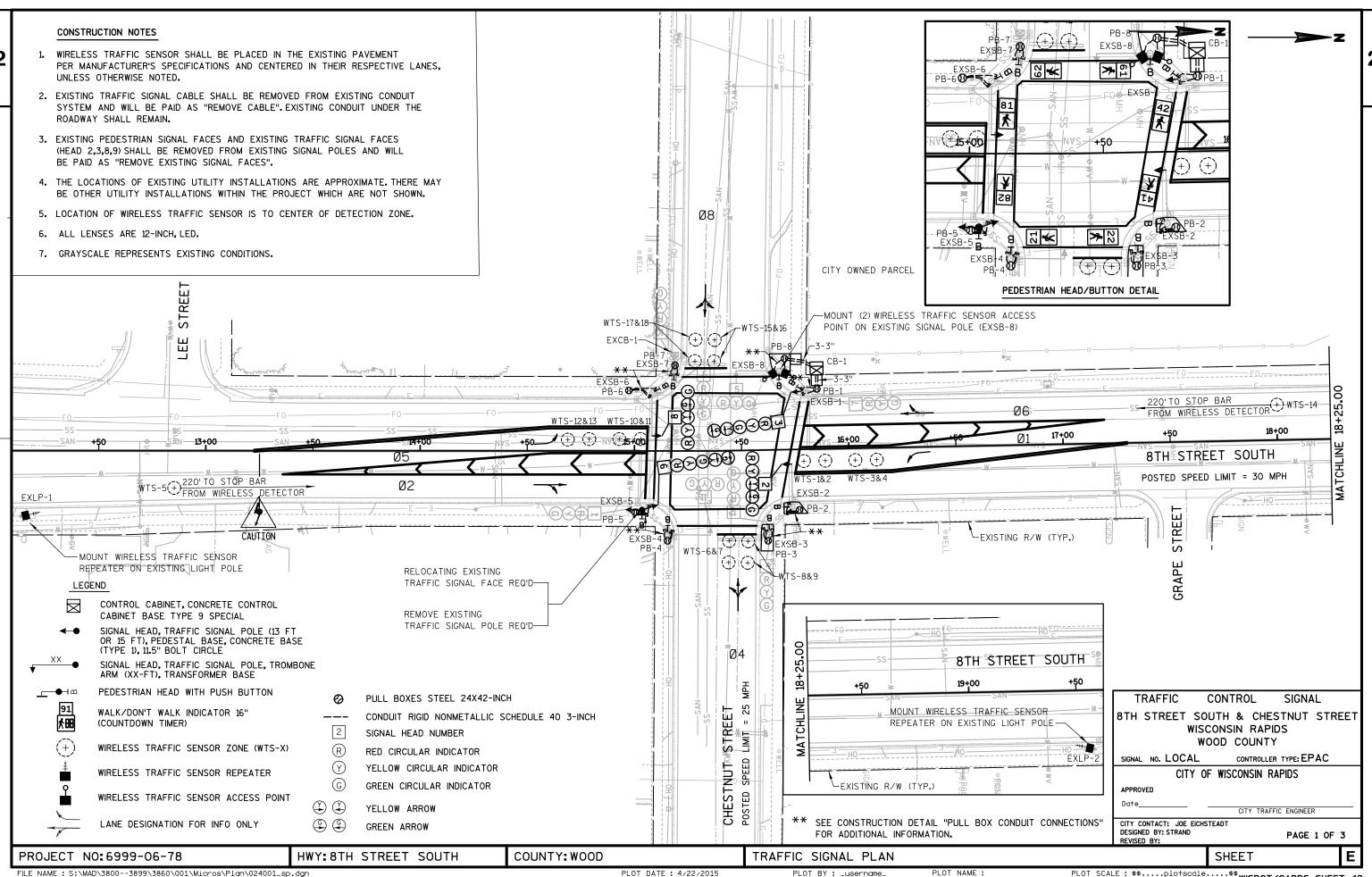
PLOT BY: _username_ PLOT NAME :











SEQUENCE OF OPERATION

<i>(</i> 7)1	Ø12

 $R/W \mid X X$

R RR

G Y R

R RR

R RR $R \mid R \mid R$

R RR

* DWDW

DW DWDW

DW DWDW

DW DWDW

 $R/W \mid X \mid X$

R RR

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DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY	PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
1		Х			1	1					
2		Х			1	1					
3		Х			1	1					
4		Х			1	1					
5				Х		2					
6		Х			4	4					
7		Х			4	4					
8		Х			4	4					
9		Х			4	4					
10		Х			5	5					
11		Х			5	5					
12		Х			5	5					
13		Х			5	5					
14				Х		6					
15		Х			8	8					
16		Х			8	8					
17		Х			8	8					
18		Х			8	8					

DETECTOR OPERATION

DETECTOR LOGIC

CONTROLLER LOGIC

PHA NUM	ISE IBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1			5		Х
2	١٧	Х	6	MIN.	Х
3	3				
4	ļ		8		Х
_ 5	5		1		Х
L	5	Х	2	MIN.	Х
_ 7	,				
_ [3		4		Х

OVERLAPS

0.L.	"A"	=
Λı	ייםיי	_

0.L. "B"

NONE

0.L. "C" = O.L. "D" =

Ø5

CLEAR TO

CLEAR TO

 $R/W \mid X X$

G | Y | _

RRR

R RR

R R R

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R RR

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DW DWDW

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DW DWDW

HEAD NUMBERS

8,9

1-3

4-6

2,3

7-9

10-12

21,22

41,42

61,62

81,82

HEAD NUMBERS

8,9

1-3

4-6

2,3

7-9

10-12

21.22

41,42

61,62

81,82

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RING 1 05

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CLEAR TO



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*	*					R/W	X	*				
						R	R	R				
						R	R	R				
						R	R	R				
						R	R	R				
						R	R	R				
						G	Υ	R				
						DW	DW	DW				
	*	CL **			CLEAR TO		R/W R/W R/W R R R R R R R R R R R R R R	R/W	*** R/W *** R/W *** R/W *** R/W *** R/W *** R/W *** R/W R/R R	R/W	R/W X X X X X X X X X X X X X X X X X X X	R/W

TYPE OF INTERCONNECT COMMUNICA	ATION
NONE	Х
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER	
CONTROLLER NO: S-	
SIGNAL SYSTEM #: SS	

TYPE OF LIGHTING	
	J
BY OTHER AGENCY)
IN TRAFFIC SIGNAL CABINET	Г
IN SEPARATE DOT LIGHTING CABINET	

BARRIER ** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1)

CHART 1

DW DWDW

DW DWDW

* DWDW

* WHEN CALLED, TIMED STEADY WALK, THEN FLASHING DON'T WALK, THEN GOES TO STEADY DON'T WALK

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1	5	2,4,6,8
2	6	1,4,5,8
3		
4	8	1,2,5,6
5	1	2,4,6,8
6	2	1,4,5,8
7		
8	4	1.2.5.6

GENERAL NOTES: 1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.

2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1AT LEFT.)

TRAFFIC CONTROL SIGNAL 8TH STREET SOUTH AND CHESTNUT STREET WISCONSIN RAPIDS WOOD COUNTY

SIGNAL NO. LOCAL

CITY CONTACT: JOE EICHSTEADT DESIGNED BY:

PAGE NO. 2 OF 3

Ε

PROJECT NO:6999-06-78

HWY:8TH STREET SOUTH

COUNTY: WOOD

SEQUENCE OF OPERATIONS

PLOT BY: _username_

SHEET

TYPE OF PRE-EMPT

EMERGENCY VEHICLE 3M

TOMAR

OTHER LIFT BRIDGE

QUEUE DETECTOR

HARDWIRE

NONE

RAILROAD

## STREET SOUTH AND CHESTNUT STREET **TRAFFIC SIGNAL CABLINE CHART*** **NO. 14 CABLE** **NO. 14 CABLE** **CABLE RUN*** **CAB							
CABLE RUN CABLE HEAD NO MOVEMENT LENS CONDUCTOR REMARKS		8T		FIC SIGNAL	CABLING CHART	TREET	
TO EXSB-1	CABLE RUN	CABLE	HEAD NO			CONDUCTOR COLOR	REMARKS
3 NB G G G/BLK		12/C					
	TO EXSB 1		3	NR NR			αs
T				'	← Y	BLU/W	Ø 2
T SB							
C C C C C C C C C C			7	SB			Øs
42						_	
CONTROL CABINET TO EXSB-2 2 NB			42	Ø 4 PED			
TO EXSB-2			72	W41LD			BUTTON
2 NB	CONTROL CABINET	9/C					
← Y R/BLK ← G G/BLK D/WALK BLK	10 2,58 2		2	NR			<i>α</i> 2
A1				140			WΖ
41							
PED BUTTON W/BLK BUTTON			41	Ø 4 PFD			
TO EXSB-3				91120			BUTTON
12 EB		12/C					
12 EB	TO EXSB 3		4	MR MR			
C G/BLK D/WALK BLK BUTTON W/BLK BUTTON BUTTON W/BLK BUTTON BUTTON W/BLK BUTTON BUT					R		
CONTROL CABINET 7/C 11 EB PED BUTTON W/BLK BUTTON			12	EB			
CONTROL CABINET T/C TO EXSB-6 TO EXSB-6 TO EXSB-7 TO EXSB-8 TO							
CONTROL CABINET 7/C 11			22	Ø2 PED	WALK		
TO EXSB-4	CONTROL CABINET	7/0					BUTTON
21	TO EXSB-4	''	11	EB			
21							
PED BUTTON W/BLK BUTTON			21	Ø 2 PED			
TO EXSB-5 1 NB				W 2 1 LU			BUTTON
SB		12/C					
Part	TO EXSE S		1	NB			Ø 6
9 SB G G/BLK ← Y BLU/W ← G G/W 82 Ø 8 PED WALK BLU PED BUTTON W/BLK BUTTON 8 SB G G G ← Y R/BLK ← G G/BLK Y O O 8 SB G G G ← Y R/BLK ← G G/BLK E G G/BLK O D/WALK BLU PED BUTTON W/BLK BUTTON 8 SB G G G G ← Y R/BLK ← G G/BLK D/WALK BLU PED BUTTON W/BLK BUTTON 8 SB G G G G ← Y R/BLK ← G G/BLK D/WALK BLU PED BUTTON W/BLK BUTTON 8 PED BUTTON W/BLK BUTTON 9 O BUTTON 8 PED BUTTON W/BLK BUTTON 8 PED BUTTON W/BLK BUTTON 9 O G G G C G G D/WALK BLK BUTTON 8 PED BUTTON W/BLK BUTTON 9 O G G G D/WALK BLK BUTTON					R		
CONTROL CABINET 9/C 81 Ø 8 PED 82 Ø 8 PED 84 Ø 8 PED 85 G G G G 6 WB WALK BLU 9 PED BUTTON W/BLK BLU BUTTON 9 PED BUTTON W/BLK BLU BUTTON 9 G G G G 9 G G G/BLK G 0 JWALK BLK BLU 10 EB Y 10 EB Y 10 EB Y 10 BUTTON 10 EB Y 10 BUTTON <				CD.			~ -
82			9	30			Ø 2
82						G/W	
PED BUTTON W/BLK BUTTON			82	Ø ₽ED			
TO EXSB-6 8 SB			02	00160			BUTTON
8 SB G G G G G G G G G G G G G G G G G G		9/C					
CONTROL CABINET 12/C TO EXSB-7 6 WB Y O C G G G G G G G G G G G G G G BUTTON W/B LK BUTTON			8	SB	· · · · · · · · · · · · · · · · · · ·		ďο
S1			-		← Y	R/BLK	ΨZ
S1							
CONTROL CABINET TO EXSB-7			81	Ø8 PED			
TO EXSB-7 6 WB Y O G G R R/BLK Y O/BLK G G G/BLK BLU PED BUTTON WALK BLU PED BUTTON WALK BUTTON TO EXSB-8 F WB Y O G G G G G G G G G G G G	OONTDOL OLDINGT	40.70		-	PED BUTTON	W/BLK	BUTTON
G G G R R/BLK O/BLK G G G/BLK G G G/BLK G G G/BLK BLU PED BUTTON W/BLK BUTTON CONTROL CABINET 7/C TO EXSB-8 TO EXSB-8 TO G G G G G G G G D/WALK BLK BLU BUTTON G G G G G G G G G G G G G G G G G G		12/C	6	WR			
10 EB Y O/BLK G G/BLK			"	""			
C G G/BLK							
			10	EB			
62							
TO EXSB-8			62	Ø6 PED	WALK	BLU	DUTTON
TO EXSB-8 5 WB Y O G G G D/WALK BLK BLU	CONTROL CABINET	7/C					ROIION
D/WALK BLK 61 Ø 6 PED WALK BLU			5	WB	Y	0	
61 Ø 6 PED WALK BLU							
			61	Ø 6 PED			
				L			BUTTON

EQUIPMENT GROUNDING	G CONDUCTOR 10 AWO					
FROM	TO					
CB-1	EXSB-1					
EXSB-1	EXSB-2					
EXSB-2	EXSB-3					
EXSB-3	EXSB-4					
EXSB-4	EXSB-5					
EXSB-5	EXSB-6					
EXSB-6	EXSB-7					
EXSB-7	EXSB-8					
EXSB-8	CB-1					

PULL BOX BONDIN	G JUMPER 10 AWG				
FROM	TO				
EXSB-1	PB-1				
EXSB-2	PB-2				
EXSB-3	PB-3				
EXSB-4	PB-4				
EXSB-5	PB-5				
EXSB-6	PB-6				
EXSB-7	PB-7				
EXSB-8	PB-8				

1. ENSURE THE GROUNDED CONDUCTORS AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED CONDUCTORS.

2. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART.

HWY:8TH STREET SOUTH

3. USE SEPARATE WHITE CONDUCTOR AS THE GROUNDED CONDUCTOR (NEUTRAL) FOR ALL TRAFFIC SIGNAL INDICATIONS.

W = WHITE R = REDG = GREEN O = ORANGE BLU = BLUE

BLK = BLACK

TRAFFIC CONTROL SIGNAL 8TH STREET SOUTH AND CHESTNUT STREET WISCONSIN RAPIDS WOOD COUNTY

SIGNAL NO. LOCAL

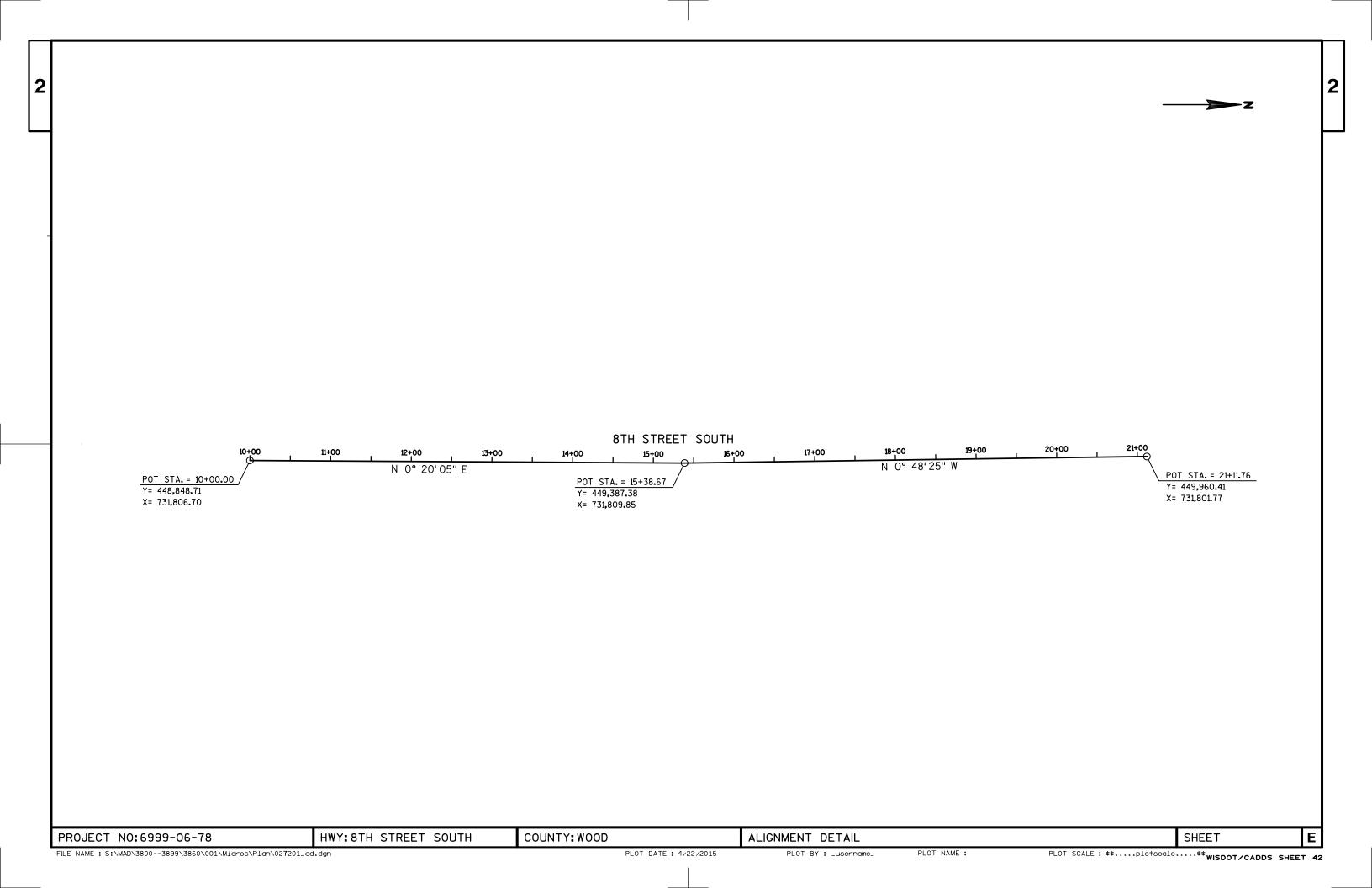
CITY CONTACT: JOE EICHSTEADT DESIGNED BY:

PAGE NO. 3 OF 3

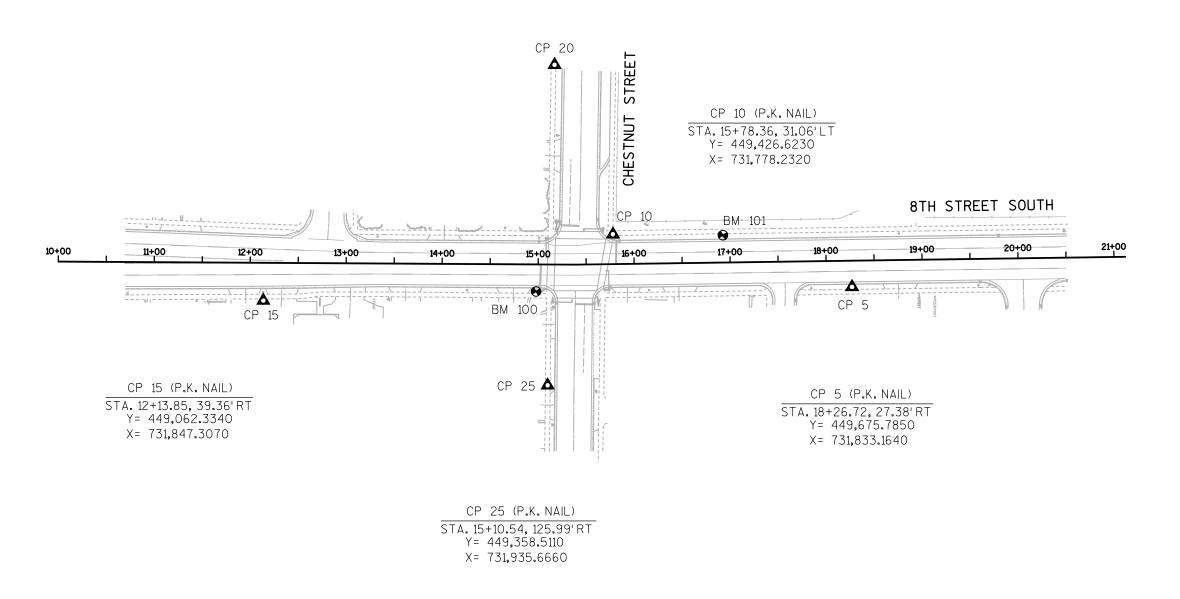
COUNTY: WOOD

SEQUENCE OF OPERATIONS PLOT NAME: SHEET

PROJECT NO:6999-06-78



CP 20 (P.K. NAIL) STA. 15+15.86, 208.04 LT Y= 449,365.7850 X= 731,601.6740



BENCH MARK 😝 NO. STATION DESCRIPTION
100 14+97.96 TOP NUT ON HYDRANT
101 16+92.93 SW BOLT ON SIGN STRUCTURE DESCRIPTION OFFSET ELEVATION 28.24'RT 1028.76 449,346.5030 731,837.8440 28.44'LT 1027.81 449,541.2200 731,779.2390

Ε PROJECT NO:6999-06-78 HWY:8TH STREET SOUTH COUNTY: WOOD CONTROL POINT DATA SHEET SHEET PLOT NAME :

DATE OF	BJUN15	EST	IMATI	E OF QUAN	T I T I E S 6999-06-78
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0010	204. 0110	Removing Asphaltic Surface	SY	12. 900	12. 900
0020	204. 0155	Removing Concrete Sidewalk	SY	15. 300	15. 300
0030	204. 0195	Removing Concrete Bases	EACH	1.000	1.000
0040	213. 0100	Finishing Roadway (project) 001. 6999-06-78	EACH	1. 000	1. 000
0050	305. 0110	Base Aggregate Dense 3/4-Inch	TON	6.800	6. 800
0060	602. 0410	Concrete Sidewalk 5-Inch	SF	256. 000	256. 000
0070	619. 1000	Mobilization	EACH	1. 000	1. 000
0800	627. 0200	Mul chi ng	SY	40.000	40. 000
0090	629. 0210	Fertilizer Type B	CWT	0. 100	0. 100
0100	630. 0140	Seeding Mixture No. 40	LB	2. 000	2. 000
0110	634. 0811	Posts Tubular Steel 2x2-Inch X 11-FT	EACH	7. 000	7. 000
0120	637. 2210	Signs Type II Reflective H	SF	88. 500	88. 500
0130	638. 2102	Moving Signs Type II	EACH	2.000	2. 000
0140	638. 2602	Removing Signs Type II	EACH	2.000	2. 000
0150	641. 8100	Overhead Sign Support (structure) 001. S-71-19	LS	1. 000	1. 000
0160	642. 5001	Field Office Type B	EACH	1. 000	1. 000
0170	643. 0100	Traffic Control (project) 001.	EACH	1. 000	1. 000
0100	442 0200	6999-06-78	DAV	2 444 000	2 444 000
0180	643. 0300	Traffic Control Drums	DAY	2, 444. 000	2, 444. 000
0190	643. 0410	Traffic Control Barricades Type II	DAY	156.000	156.000
0200	643. 0420	Traffic Control Barricades Type III	DAY	104. 000	104. 000
0210	643. 0715	Traffic Control Warning Lights Type C	DAY	676. 000	676. 000
0220	643. 0900	Traffic Control Signs	DAY	728. 000	728. 000
0230	646. 0106	Pavement Marking Epoxy 4-Inch	LF	680. 000	680. 000
0240	646. 0126	Pavement Marking Epoxy 8-Inch	LF	625.000	625. 000
0250	646. 0600	Removing Pavement Markings	LF	1, 500. 000	1, 500. 000
0260	647. 0166	Pavement Marking Arrows Epoxy Type 2	EACH	4. 000	4. 000
0270	647. 0356	Pavement Marking Words Epoxy	EACH	2.000	2. 000
0280	647. 0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	105.000	105.000
0290	647. 0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	115.000	115. 000
0300	647. 0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	370. 000	370. 000
0310	647. 0955	Removing Pavement Markings Arrows	EACH	1. 000	1. 000
0320	650. 8500	Construction Staking Electrical	LS	1. 000	1. 000
*		Installations (project) 001. 6999-06-78			
0330	650. 9910	Construction Staking Supplemental	LS	1. 000	1. 000
0240	4E0 000E	Control (project) 001. 6999-06-78		70,000	70,000
0340	652. 0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	78. 000	78. 000
0350	653. 0140	Pull Boxes Steel 24x42-Inch	EACH	8. 000	8. 000
0360	654. 0217	Concrete Control Cabinet Bases Type 9	EACH	1. 000	1. 000
0270	/FF 0000	Special		240,000	240,000
0370	655. 0230	Cable Traffic Signal 5-14 AWG	LF	348.000	348. 000
0380	655. 0240	Cable Traffic Signal 7-14 AWG	LF	391.000	391.000
0390	655. 0250	Cable Traffic Signal 9-14 AWG	LF	315.000	315.000
0400	655. 0260	Cable Traffic Signal 12-14 AWG	LF	605.000	605. 000
0410	655. 0515	Electrical Wire Traffic Signals 10 AWG	LF	1, 856. 000	1, 856. 000
0420	656. 0200	Electrical Service Meter Breaker	LS	1. 000	1. 000
		Pedestal (location) 001. 8th Street			
		South & Chestnut Street			
0430	657. 0100	Pedestal Bases	EACH	1. 000	1. 000
0440	657. 0425	Traffic Signal Standards Aluminum 15-FT	EACH	1. 000	1. 000
0450	658. 0120	Traffic Signal Face 5-12 Inch Vertical	EACH	2. 000	2. 000
0460	658. 0165	Traffic Signal Face 5-12 Inch Horizontal	EACH	2. 000	2. 000
0400	000.0100	Trailie Signal Tace 3-12 Inch horizontal	LAUII	2.000	2.000

DATE 08	JUN15	EST	IMATE	OFQUAN	
LI NE NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	6999-06-78 QUANTI TY
0470	658. 0225	Backplates Signal Face 5 Section 12-Inch	EACH	4. 000	4. 000
0480	658. 0416	Pedestrian Signal Face 16-Inch	EACH	8. 000	8. 000
0490	658. 0500	Pedestrian Push Buttons	EACH	8.000	8. 000
0500	658. 0600	Led Modules 12-Inch Red Ball	EACH	4. 000	4. 000
0510	658. 0605	Led Modules 12-Inch Yellow Ball	EACH	4. 000	4. 000
0520	658. 0610	Led Modules 12-Inch Green Ball	EACH	4. 000	4. 000
0530	658. 0620	Led Modules 12-Inch Yellow Arrow	EACH	4. 000	4. 000
0540	658. 0625	Led Modules 12-Inch Green Arrow	EACH	4. 000	4. 000
0550	658. 0635	Led Modules Pedestrian Countdown Timer	EACH	8. 000	8. 000
		16-Inch			
<u></u>	(50, 50/0			4 200	4 000
0560	658. 5069	Signal Mounting Hardware (location) 001. 8th Street South and Chestnut Street	LS	1. 000	1. 000
0570	674. 0300	Remove Cable	LF	276. 000	276. 000
0580	690. 0250	Sawing Concrete	LF	50. 000	50. 000
0590	SPV. 0060	Special 001. Traffic Signal Controller,	EACH	1. 000	1. 000
0070	0. 7. 0000	Fully Actuated, 8 Phase	Ertori	1. 000	1. 000
0600	SPV. 0060	Special 002. Relocating Existing	EACH	1.000	1. 000
		Traffic Signal Face			
0610	SPV. 0060	Special 003. Remove Existing Signal	EACH	7. 000	7. 000
0010	31 V. 0000	Faces	LATON	7.000	7.000
0620	SPV. 0060	Special 004. Remove Existing Traffic	EACH	1.000	1. 000
		Signal Pole			
0630	SPV. 0060	Special 005. Wireless Traffic Sensor	EACH	18. 000	18. 000
0640	SPV. 0060	Special 006. Wireless Traffic Sensor	EACH	2.000	2.000
		Access Point			
0650	SPV. 0060	Special 007. Wireless Traffic Sensor	EACH	2.000	2.000
		Repeater			
0660	SPV. 0060	Special 008. Wireless Traffic Sensor	EACH	1. 000	1. 000
3000	J. V. 0000	Contact Closure Module	2,1011	1.000	1. 000
0670	SPV. 0060	Special 009. Remove Existing Traffic	EACH	1. 000	1. 000
	2. 2. 0000	Signal Cabinet			
		- J			

REMOVING ASPHALTIC SURFACE		(CONCRETE	SIDEWALK 5-INC	н	OVERHEA	AD SIGN SUPP	ORT SUMMAR	Υ			<u> </u>	FIELD OFFICE	
204.0110 ATEGORY STATION LOCATION SY	_ CATE	EGORY ST	ATION -	STATION LOCA	602.0410 TION SF			OVE	1.8100.001 RHEAD SIGN SUPPORT		CATE	EGORY	PROJECT	TYPE B 642.5001 EACH
0010 15+61.2 41.0'RT 7.6 15+73.5 27.3'RT 5.3	0		+63.9 - +63.9 -			regory stati	ION LOCA		S-71-19 LS		0	010	6999-06-78	1
TOTAL 12.9				TOTA	L 256 0	0010 13+2	25 27.	8'RT	1					
		FIN	IISHING ROA	DWAY										
	CATE	EGORY	PROJECT	213.0100.0 EACH										
REMOVING CONCRETE SIDEWALK	0	010 6	5999-06-78	3 1		_				FINISHING	SITEMS			
204.0155 TEGORY STATION - STATION LOCATION SY												7.0200	629.0210 FERTILIZER	630.0 SEED
0010 15+63.9 - 15+88.1 LT 15.3		M	OBILIZATIO	N	_	_	CATEGORY	ST	ATION - STATION	LOCATIO		LCHING SY	TYPE B	MIXTURE LE
			PROJECT 3999-06-78	619.1000 EACH	_		0010	13+	22.50 - 17+30.00	LT/LR	Т	40	0.1	2
REMOVING CONCRETE BASES				EACH	_	PERMANENT S			22.50 - 17+30.00	LT/LR	Т	40	0.1	2
204.0195				EACH	_	PERMANENT S	SIGNING SUMM		22.50 - 17+30.00 634.0811 POSTS	LT/LR	638,2602 REMOVING		0.1	2
204.0195 EGORY STATION LOCATION EACH				EACH		:	SIGNING SUMM	ARY 637.2210	634.0811	638.2102	638,2602		0.1	2
204.0195 EGORY STATION LOCATION EACH		010 6		EACH	SIGN MESSAGE	: : (VA	SIGNING SUMM	ARY 637.2210 SIGNS TYPE II	634.0811 POSTS TUBULAR	638,2102 MOVING SIGNS	638.2602 REMOVING SIGNS		O.1	
204.0195 EGORY STATION LOCATION EACH	CATEGORY	SIGN , NO. 1 - 1	APPROX. STA. 13+25	EACH 1 LOC.	ARROW UP LEFT/ONLY	: : (W	SIGNING SUMM SIGN SIZE RE W × H) IN 2 × 48	ARY 637.2210 SIGNS TYPE II EFLECTIVE H SF 14.0	634.0811 POSTS TUBULAR STEEL 2×2-INCH × 11-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	INSTALL	REMAF ON S-71-19	
204.0195 EGORY STATION LOCATION EACH	CATEGORY	SIGN NO.	APPROX. STA.	EACH 1 LOC.		: (W 42 42	SIGNING SUMM SIGN SIZE RE W × H) IN	ARY 637.2210 SIGNS TYPE II EFLECTIVE H SF	634.0811 POSTS TUBULAR STEEL 2×2-INCH × 11-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	INSTALL INSTALL	REMAR	
204.0195 TEGORY STATION LOCATION EACH	CATEGORY	SIGN NO. 1 - 1 1 - 2 1 - 3 1 - 4	APPROX. STA. 13+25 13+25 16+93 16+93	LOC. RT RT LT LT	ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD	: (W 42 42 42	SIGNING SUMM SIGN SIZE RE W × H) IN 2 × 48 2 × 48	ARY 637.2210 SIGNS TYPE II FLECTIVE H SF 14.0 14.0 14.0 14.0	634.0811 POSTS TUBULAR STEEL 2×2-INCH × 11-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	INSTALL INSTALL INSTALL	REMAR ON S-71-19 ON S-71-19	
204.0195 TEGORY STATION LOCATION EACH	CATEGORY	SIGN NO. 1 - 1 1 - 2 1 - 3 1 - 4 1 - 5	APPROX. STA. 13+25 13+25 16+93 16+93 16+22	EACH B 1 LOC. RT RT LT LT LT LT	ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD LEFT LANE MUST TURN LEFT	.; (W 42 42 42 42 30	SIGNING SUMM SIGN SIZE RE W x H) IN 2 x 48 2 x 48 2 x 48 2 x 48 0 x 30	ARY 637.2210 SIGNS TYPE II EFLECTIVE H SF 14.0 14.0 14.0 14.0 6.3	634.0811 POSTS TUBULAR STEEL 2×2-INCH × 11-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	INSTALL INSTALL INSTALL	REMAR ON S-71-19 ON S-71-19 ON S-71-20	
204.0195 TEGORY STATION LOCATION EACH	CATEGORY	SIGN NO. 1 - 1 1 - 2 1 - 3 1 - 4 1 - 5 1 - 6	APPROX. STA. 13+25 13+25 16+93 16+93 16+22 16+68	LOC. RT RT LT LT LT RT	ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL	42 42 42 42 42 42 42 30	SIGNING SUMM SIGN SIZE RE W x H) IN 2 x 48 2 x 48 2 x 48 2 x 48 0 x 30 4 x 24	ARY 637.2210 SIGNS TYPE II FLECTIVE H SF 14.0 14.0 14.0 14.0 6.3 4.0	634.0811 POSTS TUBULAR STEEL 2×2-INCH × 11-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	INSTALL INSTALL INSTALL	REMAR ON S-71-19 ON S-71-19 ON S-71-20	
204.0195 TEGORY STATION LOCATION EACH 0010 15+18.9 43.3'LT 1	CATEGORY	SIGN NO. 1 - 1 1 - 2 1 - 3 1 - 4 1 - 5 1 - 6 1 - 7	APPROX. STA. 13+25 13+25 16+93 16+93 16+22 16+68 16+08	LOC. RT RT LT LT LT RT RT RT	ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL	42 42 42 42 42 42 30 24	SIGNING SUMM SIGN SIZE RE W × H) IN 2 × 48 2 × 48 2 × 48 2 × 48 0 × 30 4 × 24 4 × 24	ARY 637.2210 SIGNS TYPE II EFLECTIVE H SF 14.0 14.0 14.0 14.0 4.0 4.0 4.0	634.0811 POSTS TUBULAR STEEL 2×2-INCH × 11-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	INSTALL INSTALL INSTALL	REMAR ON S-71-19 ON S-71-19 ON S-71-20	
204.0195 TEGORY STATION LOCATION EACH	CATEGORY	SIGN NO. 1 - 1 1 - 2 1 - 3 1 - 4 1 - 5 1 - 6	APPROX. STA. 13+25 13+25 16+93 16+93 16+22 16+68	LOC. RT RT LT LT LT RT	ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL	42 42 42 42 42 42 42 42 42 42 24	SIGNING SUMM SIGN SIZE RE W x H) IN 2 x 48 2 x 48 2 x 48 2 x 48 0 x 30 4 x 24	ARY 637.2210 SIGNS TYPE II FLECTIVE H SF 14.0 14.0 14.0 14.0 6.3 4.0	634.0811 POSTS TUBULAR STEEL 2×2-INCH × 11-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	INSTALL INSTALL INSTALL	REMAR ON S-71-19 ON S-71-19 ON S-71-20	
204.0195 TEGORY STATION LOCATION EACH 0010 15+18.9 43.3'LT 1 BASE AGGREGATE DENSE 3/4-INCH 305.0110	CATEGORY	SIGN NO. 1 - 1 1 - 2 1 - 3 1 - 4 1 - 5 1 - 6 1 - 7 1 - 8 1 - 9 1 - 10	APPROX. STA. 13+25 13+25 16+93 16+93 16+22 16+68 16+08 14+94 14+55 13+81	EACH B 1 LOC. RT RT LT LT LT RT RT RT RT RT RT RT	ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL LEFT LANE MUST TURN LEFT	42 42 42 42 42 42 42 42 42 42 42 42 42 4	SIGNING SUMM SIGN SIZE RE W × H) IN 2 × 48 2 × 48 2 × 48 0 × 30 4 × 24 4 × 24 4 × 24 0 × 30 4 × 24	ARY 637.2210 SIGNS TYPE II EFLECTIVE H SF 14.0 14.0 14.0 14.0 4.0 4.0 4.0	634.0811 POSTS TUBULAR STEEL 2×2-INCH × 11-FT EACH 1 1 1 1 1 1 1	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	INSTALL INSTALL INSTALL	REMAR ON S-71-19 ON S-71-19 ON S-71-20	
204.0195 TEGORY STATION LOCATION EACH 0010 15+18.9 43.3'LT 1 BASE AGGREGATE DENSE 3/4-INCH 305.0110	CATEGORY	SIGN NO. 1 - 1 1 - 2 1 - 3 1 - 4 1 - 5 1 - 6 1 - 7 1 - 8 1 - 9 1 - 10 1 - 11	APPROX. STA. 13+25 13+25 16+93 16+93 16+22 16+68 16+08 14+94 14+55 13+81	LOC. RT RT LT LT LT RT	ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL	42 42 42 42 42 42 42 42 42 42 42 42 42 4	SIGNING SUMM SIGN SIZE RE W × H) IN 2 × 48 2 × 48 2 × 48 0 × 30 4 × 24 4 × 24 4 × 24 0 × 30 4 × 24 4 × 24 0 × 30 4 × 24 4 × 24	ARY 637.2210 SIGNS TYPE II EFLECTIVE H SF 14.0 14.0 14.0 14.0 4.0 4.0 4.0	634.0811 POSTS TUBULAR STEEL 2×2-INCH × 11-FT EACH 1 1 1 1 1 1 1	638,2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	INSTALL INSTALL INSTALL INSTALL	REMAR ON S-71-19 ON S-71-19 ON S-71-20 ON S-71-20	ikS
BASE AGGREGATE DENSE 3/4-INCH TEGORY STATION - STATION LOCATION TON	CATEGORY	SIGN NO. 1 - 1 1 - 2 1 - 3 1 - 4 1 - 5 1 - 6 1 - 7 1 - 8 1 - 9 1 - 10 1 - 11 1 - 12	APPROX. STA. 13+25 13+25 16+93 16+93 16+22 16+68 16+08 14+94 14+55 13+81 13+82 15+05	LOC. RT RT LT LT LT RT	ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL SCHOOL ADVANCE	42 42 44 42 30 24 24 30 24 30 24	SIGNING SUMM SIGN SIZE RE W x H) IN 2 x 48 2 x 48 2 x 48 2 x 48 0 x 30 4 x 24 4 x 24 4 x 24 0 x 30 4 x 24 4 x 24 6 x 36	ARY 637.2210 SIGNS TYPE II EFLECTIVE H SF 14.0 14.0 14.0 14.0 4.0 4.0 4.0	634.0811 POSTS TUBULAR STEEL 2×2-INCH × 11-FT EACH 1 1 1 1 1 1 1	638.2102 MOVING SIGNS TYPE II EACH 1	638.2602 REMOVING SIGNS TYPE II EACH	INSTALL INSTALL INSTALL INSTALL	REMAF ON S-71-19 ON S-71-20 ON S-71-20 ON S-71-20	ikS
BASE AGGREGATE DENSE 3/4-INCH STEGORY STATION - STATION LOCATION TON	CATEGORY	SIGN NO. 1 - 1 1 - 2 1 - 3 1 - 4 1 - 5 1 - 6 1 - 7 1 - 8 1 - 9 1 - 10 1 - 11 1 - 12	APPROX. STA. 13+25 13+25 16+93 16+93 16+22 16+68 16+08 14+94 14+55 13+81	LOC. RT RT LT LT LT RT	ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL	42 44 44 44 30 24 24 36 24 36 36 24	SIGNING SUMM SIGN SIZE RE W × H) IN 2 × 48 2 × 48 2 × 48 0 × 30 4 × 24 4 × 24 4 × 24 0 × 30 4 × 24 4 × 24 0 × 30 4 × 24 4 × 24	ARY 637.2210 SIGNS TYPE II EFLECTIVE H SF 14.0 14.0 14.0 14.0 6.3 4.0 4.0 4.0 6.3 4.0 4.0	634.0811 POSTS TUBULAR STEEL 2×2-INCH × 11-FT EACH 1 1 1 1 1 1 1	638,2102 MOVING SIGNS TYPE II EACH	638,2602 REMOVING SIGNS TYPE II EACH	INSTALL INSTALL INSTALL INSTALL MOUNT O	REMAR ON S-71-19 ON S-71-19 ON S-71-20 ON S-71-20	ikS
### 204.0195 ### ATEGORY STATION LOCATION EACH O010	CATEGORY	SIGN NO. 1 - 1 1 - 2 1 - 3 1 - 4 1 - 5 1 - 6 1 - 7 1 - 8 1 - 9 1 - 10 1 - 11 1 - 12 1 - 13 1 - 14	APPROX. STA. 13+25 13+25 16+93 16+92 16+68 16+08 14+94 14+55 13+81 13+82 15+05 16+93	EACH LOC. RT RT LT LT LT RT	ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL SCHOOL ADVANCE FT DIAGONAL DOWNWARD POINTING ARROW (FLUORES)	42 42 43 44 44 30 24 24 36 24 36 36 36 36 36 36 36 42 44 44 44 44 45 46 47 47 48 48 48 48 48 48 48 48 48 48 48 48 48	SIGNING SUMM SIGN SIZE RE W x H) IN 2 x 48 4 x 24 4 x 24 4 x 24 6 x 36 0 x 18	ARY 637.2210 SIGNS TYPE II EFLECTIVE H SF 14.0 14.0 14.0 14.0 4.0 4.0 4.0	634.0811 POSTS TUBULAR STEEL 2×2-INCH × 11-FT EACH 1 1 1 1 1 1 1	638.2102 MOVING SIGNS TYPE II EACH 1 1	638,2602 REMOVING SIGNS TYPE II EACH	INSTALL INSTALL INSTALL INSTALL MOUNT O MOUNT B REMOVE	REMAF ON S-71-19 ON S-71-20 ON S-71-20 ON S-71-20	ikS
### 204.0195 ### ATEGORY STATION LOCATION EACH O010	CATEGORY	SIGN NO. 1 - 1 1 - 2 1 - 3 1 - 4 1 - 5 1 - 6 1 - 7 1 - 8 1 - 9 1 - 10 1 - 11 1 - 12 1 - 13 1 - 14	APPROX. STA. 13+25 13+25 16+93 16+92 16+68 16+08 14+94 14+55 13+81 13+82 15+05 16+93	EACH LOC. RT RT LT LT RT	ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD ARROW UP LEFT/ONLY ARROW RIGHT AND AHEAD LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL NO LEFT TURN SYMBOL LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL LEFT LANE MUST TURN LEFT NO LEFT TURN SYMBOL SCHOOL ADVANCE FT DIAGONAL DOWNWARD POINTING ARROW (FLUORES)	42 42 42 42 42 30 24 24 36 36 36 36 36 36 36 42 42	SIGN SUMM SIGN SIZE RE W x H) IN 2 x 48 2 x 48 2 x 48 0 x 30 4 x 24 4 x 24 4 x 24 6 x 36 0 x 18 2 x 48 2 x 48	ARY 637.2210 SIGNS TYPE II EFLECTIVE H SF 14.0 14.0 14.0 14.0 4.0 4.0 4.0	634.0811 POSTS TUBULAR STEEL 2×2-INCH × 11-FT EACH 1 1 1 1 1 1 1	638.2102 MOVING SIGNS TYPE II EACH 1 1	638.2602 REMOVING SIGNS TYPE II EACH 1	INSTALL INSTALL INSTALL INSTALL MOUNT O MOUNT B REMOVE	REMAF ON S-71-19 ON S-71-20 ON S-71-20 ON S-71-20 ON NEW SIGNAL F BELOW 1-12 FROM S-71-20	

PROJECT NO:6999-06-78 HWY:8TH STREET SOUTH COUNTY: WOOD

MISCELLANEOUS QUANTITIES PLOT BY: _username_

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 43

SHEET

Е

				Т	RAFFIC CON	ITROL						
			TRAFFIC	0300 CONTROL JMS	643. TRAFFIC BARRII TYF	CONTROL	TRAFFIC BAR	0.0420 CONTROL RICADES PE III	TRAFFIC WARNING	.0715 CONTROL G LIGHTS PE C	TRAFFIC	.0900 CONTROL GNS
CATEGORY	TRAVEL DIRECTION	DURATION (DAYS)	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY
0010	NB SB	26 26	47 47	1 , 222 1 , 222	 6	 156	2 2	52 52	13 13	338 338	10 18	260 468
		TOTALS		2,444		156		104		676		728

TRAFFIC SIGNAL CONDUIT SUMMARY								
			652.0235					
			CONDUIT RIGID					
			NONMETALLIC					
	LOC	ATION	SCHEDULE 40 3-INCH					
CATEGORY	FROM	TO	LF					
0010	CB-1	PB-1	27					
	CB-1	PB-8	51					
	-	TOTAL	78					

				PAVEMENT	MARKING SUMMARY				
			646.0106	646.0126	647.0566 PAVEMENT	647.0726 PAVEMENT	647.0766 PAVEMENT	647.0166 PAVEMENT	647.0356 PAVEMENT
			PAVEMENT MARK	KING EPOXY	MARKING	MARKING	MARKING	MARKING	MARKING
			4-INCH	8-INCH	STOP LINE	DIAGONAL	CROSSWALK	ARROWS	WORDS
			(DOUBLE YELLOW)	(WHITE)	EPOXY 18-INCH	EPOXY 12-INCH	EPOXY 6-INCH	EPOXY TYPE 2	EPOXY
CATEGORY	STATION - STATION	LOCATION	LF	LF	LF	LF	LF	EACH	EACH
0010	13+22.50 - 15+50.00	LT/RT	370	340	65	62	220	2	1
	15+50.00 - 17+30.00	LT/RT	310	285	40	53	150	2	1
		TOTALS	680	625	105	115	370	4	2

	TRAI	FFIC SIGNAL PL	JLL BOX SUMMARY	(
	PULL BOX			653.0140 PULL BOXES STEEL 24X42-INCH
CATEGORY	NO.	STATION	LOCATION	EACH
0010	PB-1	15+85.7	28.1' LT	1
	PB-2	15+76.5	28.2' RT	1
	PB-3	15+61.6	42.4' RT	1
	PB-4	15+15.4	41.9' RT	1
	PB-5	15+00.4	28.6' RT	1
	PB-6	17+97.4	28 . 2' LT	1
	PB-7	15+18.9	40.0' LT	1
	PB-8	15+70.9	42 . 5' LT	1
			TOTAL	8

	REMOVING	PAVEMENT	MARKINGS SUM	MMARY
			646.0600	647.0955
			REMOVING	REMOVING
			PAVEMENT	PAVEMENT MARKING
			MARKINGS	ARROWS
CATEGORY	STATION -	STATION	LF	EACH
0010	13+22.5 -	17+30.0	1500	1

		650.9910.001
CATEGORY	PROJECT	LS
0010	6999-06-78	1

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

	TRAFFIC CONTRO)L
CATEGORY	PROJECT	643.0100.001 LS
0010	6999-06-78	1

CONSTRUC	TION STAKING ELECTRI	CAL INSTALLATIONS
		650.8500.001
CATEGORY	PROJECT	LS
0010	6999-06-78	1

CONCRETE	CONTROL	CABINET	BASE TYPE 9	SPECIAL
	DACE			CE 4 0017
CATEGORY	BASE NO.	STATION	LOCATION	654 . 0217 EACH
0010	CB-1	15+85.7	38'LT	1

PROJECT NO:6999-06-78 HWY:8TH STREET SOUTH COUNTY:WOOD MISCELLANEOUS QUANTITIES SHEET **E**

TRAFFIC SIGNAL CABLE SUMMARY

			655.0230	655.0240 CABLE TRA	655.0250 FFIC SIGNAL	655.0260
_	LO	CATION	5-14 AWG	7-14 AWG	9-14 AWG	12-14 AWG
CATEGORY	FROM	TO	LF	LF	LF	LF
0010	CB-1	EXSB-1				50
	EXSB-1	HEAD 7	19			
	EXSB-1	HEAD 3		23		
	EXSB-1	42	12			
_	EXSB-1	BUTTON	6			
	CB-1	EXSB-2			135	
	EXSB-2	HEAD 2		23		
	EXSB-2	41	12			
	EXSB-2	BUTTON	6			
	CB-1	EXSB-3				170
_	EXSB-3	HEAD 4	19			
	EXSB-3	HEAD 12	19			
	EXSB-3	22	12			
	EXSB-3	BUTTON	6			
	CB-1	EXSB-4		240		
_	EXSB-4	HEAD 11	40			
	EXSB-4	21	12			
	EXSB-4	BUTTON	6			
	CB-1	EXSB-5				260
	EXSB-5	HEAD 1	19			
_	EXSB-5	HEAD 9		23		
	EXSB-5	82	12			
	EXSB-5	BUTTON	6			
	CB-1	EXSB-6			180	
	EXSB-6	HEAD 8		23		
_	EXSB-6	81	12			
	EXSB-6	BUTTON	6			
	CB-1	EXSB-7				125
	EXSB-7	HEAD 6	19			
	EXSB-7	HEAD 10	19			
-	EXSB-7	62	12			
	EXSB-7	BUTTON	6			
	CB-1	EXSB-8		59		
	EXSB-8	HEAD 5	50			
	EXSB-8	61	12			
_	EXSB-8	BUTTON	6			
	3		-			
		TOTALS	348	391	315	605

TRAFFIC SIGNAL FACES SUMMARY

CATEGORY	BASE NO.	HEAD NO.	658.0120 TRAFFIC SIGNAL FACE 5-12 INCH VERTICAL EACH	658.0165 TRAFFIC SIGNAL FACE 5-12 INCH HORIZONTAL EACH	658.0225 BACKPLATES SIGNAL FACE 5 SECTION 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	658.0635 LED MODULES PEDESTRIAN COUNTDOWN TIMER 16-INCH EACH
0010	EXSB-1	3	1		1		
0010	LAGE I	42				1	1
	EXSB-2	2		1	1		
		41				1	1
	EXSB-3	22				1	1
	EXSB-4	21				1	1
	EXSB-5	9	1		1		
		82				1	1
	EXSB-6	8		1	1		
		81				1	1
	EXSB-7	62				1	1
	EXSB-8	61				1	1
		TOTALS	2	2	4	8	8

TRAFFIC SIGNAL EQUIPMENT GROUNDING AND GROUNDED CONDUCTORS

		_		.0515
				AFFIC SIGNALS 10 AWG
		CATION	(GREEN)	(WHITE)
CATEGORY	FROM	TO	LF	LF
0010	CB-1	EXSB-1	53	53
	EXSB-1	EXSB-2	120	120
	EXSB-2	EXSB-3	76	76
	EXSB-3	EXSB-4	110	110
	EXSB-4	EXSB-5	76	76
	EXSB-5	EXSB-6	130	130
	EXSB-6	EXSB-7	82	82
	EXSB-7	EXSB-8	110	110
	EXSB-8	CB-1	61	61
	EXSB-1	PB-1	28	
	EXSB-2	PB-2	27	
	EXSB-3	PB-3	26	
	EXSB-4	PB-4	27	
	EXSB-5	PB-5	27	
	EXSB-6	PB-6	32	
	EXSB-7	PB-7	23	
	EXSB-8	PB-8	30	
		SUBTOTALS	1,038	818
		ITEM TOTAL	1.	 856

TRAFFIC SIGNAL POLES SUMMARY

				657.0100	657.0425	658.0500
					TRAFFIC SIGNAL	
				PEDESTAL	STANDARDS	PEDESTRIAN
	BASE			BASES	ALUMINUM 15-FT	PUSH BUTTONS
CATEGORY	NO.	STATION	LOCATION	EACH	EACH	EACH
•						
0010	EXSB-1	15+79.4	27'LT			1
	EXSB-2	15+73.3	27'RT			1
	EXSB-3	15+62.1	34'RT			1
	EXSB-4	15+15.5	39'RT			1
	EXSB-5	15+03.5	28'RT	1	1	1
	EXSB-6	15+08.2	27'LT			1
	EXSB-7	15+18.9	37'LT			1
	EXSB-7	15+68.1	37'LT			1
			TOTALS	1	1	8

ELECTRICAL SERVICE METER BREAKER PEDESTAL

CATEGORY	LOCATION	BID ITEM NUMBER	LS
0010	8TH STREET SOUTH & CHESTNUT STREET	656.0200.001	1

HWY:8TH STREET SOUTH PROJECT NO:6999-06-78

COUNTY: WOOD

MISCELLANEOUS QUANTITIES

PLOT NAME:

SHEET

PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 43

		LED M	ODULE SUMMARY		
	658.0600	658.0605	658,0610	658.0620	658.0625
	LED MODULES	LED MODULES	LED MODULES	LED MODULES	LED MODULES
	12-INCH	12-INCH	12-INCH	12-INCH	12-INCH
	RED BALL	YELLOW BALL	GREEN BALL	YELLOW ARROW	GREEN ARROW
CATEGORY	EACH	EACH	EACH	EACH	EACH
0010	4	4	4	4	4

	TRAFFIC SIGNAL CONTROLLER, SIG	NAL MOUNTING HARDWARE	
		658.5069.001	SPV.0060.001
			TRAFFIC SIGNAL
		SIGNAL MOUNTING	CONTROLLER, FULLY
		HARDWARE	ACTUATED, 8 PHASE
CATEGORY	LOCATION	LS	EACH
0010	8TH STREET SOUTH AND CHESTNUT STREET	1	1

	CABLE	SUMMARY	
	LOCA	ATION	674.0300 REMOVE CABLE
CATEGORY	FROM	TO	LF
0010	EXSB-1 EXSB-2 EXSB-3 EXSB-4	EXSB-2 EXSB-3 EXSB-4 EXSB-5	56 16 50 17
	EXSB-5	EXSB-6	57
-	EXSB-6 EXSB-7 EXSB-8	EXSB-7 EXSB-8 EXSB-1	15 50 15
		TOTAL	276

					EXISTING SIGNAL EC	QUIPMENT SUMMARY		
				SPV.0060.002 RELOCATING	SPV.0060.003	SPV.0060.004 REMOVE EXISTING	SPV.0060.009 REMOVE EXISTING	
				EXISTING TRAFFIC	REMOVE EXISTING	TRAFFIC SIGNAL	TRAFFIC SIGNAL	
	EQUIPMENT			SIGNAL FACE	SIGNAL FACES	POLE	CABINET	
CATEGORY	LOCATION	STATION	LOCATION	EACH	EACH	EACH	EACH	REMARKS
0010	EXSB-1	15+79	27'LT		1			REMOVE PEDESTRIAN FACE AND EXISTING HEAD 3
	EXSB-2	15+73	27'RT		1			REMOVE PEDESTRIAN FACE AND EXISTING HEAD 2
	EXSB-3	15+62	38' RT		1			REMOVE PEDESTRIAN FACE
	EXSB-4	15+15	39'RT		1			REMOVE PEDESTRIAN FACE
	EXSB-5	15+04	28'RT	1		1		REMOVE PEDESTRIAN FACE AND EXISTING HEAD 9
_	EXSB-6	15+08	27'LT		1			REMOVE PEDESTRIAN FACE AND EXISTING HEAD 8
	EXSB-7	15+19	37'LT		1			REMOVE PEDESTRIAN FACE
	EXSB-8	15+68	37'LT		1			REMOVE PEDESTRIAN FACE
	EXCB-1	15+19	43'LT				1	
			TOTALS	1	7	1	1	_

	DETECTOR			SPV.0060.0
CATEGORY	NUMBER	STATION	LOCATION	EACH
0010	1	15+79.0	5.5'RT	1
	2	15+89.0	5.5'RT	1
	3	16+03.0	5.5'RT	1
	4	16+13.0	5.5'RT	1
	5	12+85.3	17.4'RT	1
-	6	15+43.4	42.1'RT	1
	7	15+43.0	52 . 1'RT	1
	8	15+52.3	42.5'RT	1
	9	15+51.8	52 . 5'RT	1
	10	15+02.9	5 . 5'LT	1
	11	14+92.9	5 . 5'LT	1
	12	14+78.9	5.5'LT	1
	13	14+68.9	5 . 5'LT	1
	14	18+00.2	16.5'LT	1
_	15	15+37.1	41.8'LT	1
	16	15+37.4	51 . 8'LT	1
	17	15+28.2	42.0'LT	1
	18	15+28.5	52.0'LT	1

			WIRELESS DET	ECTION SUMMARY		
	EQUIPMENT			SPV.0060.006 WIRELESS TRAFFIC SENSOR ACCESS POINT	SPV.0060.007 WIRELESS TRAFFIC SENSOR REPEATER	SPV.0060.008 WIRELESS TRAFFIC SENSOR CONTACT CLOSURE MODULE
CATEGORY	LOCATION	STATION	LOCATION	EACH	EACH	EACH
0010	CB-1	15+85.7	38'LT			1
	EXSB-8 EXLP-1	15+68.1 12+13.7	37'LT 31'RT	2	1	
	EXLP-2	19+58.3	28'RT TOTALS	2	2	

	•	DA WI	ING COINCRE	I E	
					690.0250
CATEGORY	STATION	-	STATION	LOCATION	LF
0010	15+63.9	_	15+88,1	ΙT	50

PROJECT NO:6999-06-78 HWY:8TH STREET SOUTH COUNTY:WOOD MISCELLANEOUS QUANTITIES SHEET **E**

Standard Detail Drawing List

09B04-11	PULL BOX
09C03-04	TRANSFORMER/PEDESTAL BASES
09006-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E01-14A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C23-02	30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-03	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-03	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-02A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15C08-16A 15C08-16E 15C23-02 15C33-01 15D20-03 15D21-03	PAVEMENT MARKING (MAINLINE) PAVEMENT MARKING (LEFT TURN LANE) 30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE STOP LINE AND CROSSWALK PAVEMENT MARKING TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

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DIMENSION IN INCHES		CORRUGATED STEEL PIPE													
PIPE DIAMETER (INSIDE)	Α	12	12	12	18	18	18	24	24	24					
PIPE LENGTH **	В	24	30	36	24	30	36	36	42	48					
WALL THICKNESS	С	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064					
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4					
FRAME	Ε	14 1/2	14 1/2	14 1/2	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½					
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 ½	14 1/2	20 ½	20 ½	20 ½					
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 ½	23 ½	23 ½					
					WEIGH	T IN P	OUNDS	*							
FRAME AND COVER		60	60	60	110	110	110	155	155	155					

- * 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 BOX BID PRICE.

6" MAX. **EXTENSION** TOP OF ORIGINAL CORRUGATED PIPE (3) BOLTS, NUTS & LOCKWASHERS REQUIRED

ELECTRIC

FINAL GRADE

ALL METALLIC CONDUIT

AND THREADED

CUT OPENINGS

THE FIELD

2" PVC PIPE CAP ON BOTH ENDS

WITH 7, 8 1/4" HOLES DRILLED

IN EACH END.

PULL BOX

AS REQUIRED IN

ENDS SHALL BE REAMED

ALL CONDUIT PITCHED

4 TO 8 BRICKS

EQUALLY SPACED

TO DRAIN TO PULL BOXES

2" DRAIN DUCT TO

DITCH OR SEWER

WHEN SPECIFIED

CORRUGATED PIPE EXTENDER

HEAVY DUTY FRAME -

6" MIN.

(TYP.)

AND COVER

WHEN A PULL BOX IS INSTALLED IN CRUSHED

AGGREGATE SHOULDERS, PLACE IT 2-3

2-3 INCHES OF CRUSHED AGGREGATE

NO. 2 COARSE

(SEE SECTION 501

OF THE STANDARD

WIRE AND/OR CABLE.

INSTALL END BELLS (U.L. LISTED FOR

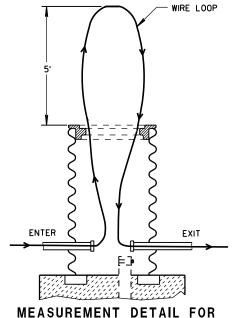
CONDUIT BEFORE INSTALLATION OF

ELECTRICAL USE) ON ALL NONMETALLIC

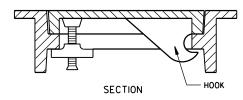
SPECIFICATIONS)

AGGREGATE

INCHES BELOW GRADE AND COVER IT WITH

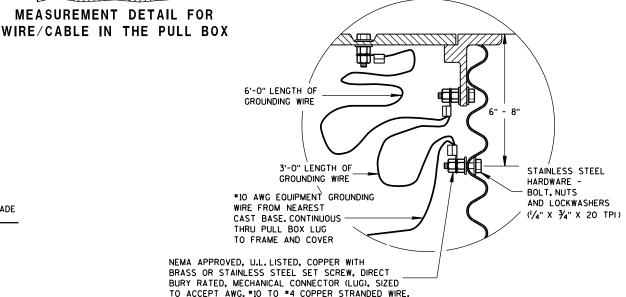


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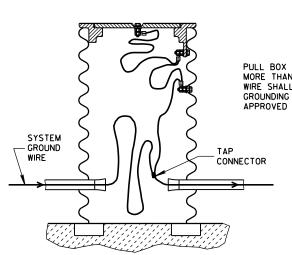


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

PULL BOX

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2014 /S/ Ahmet Demirbilek DATE STATE ELECTRICAL ENGINEER FHWA

GENERAL NOTES

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

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

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

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 1/4".

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

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED

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.

TRAFFIC LOADS.

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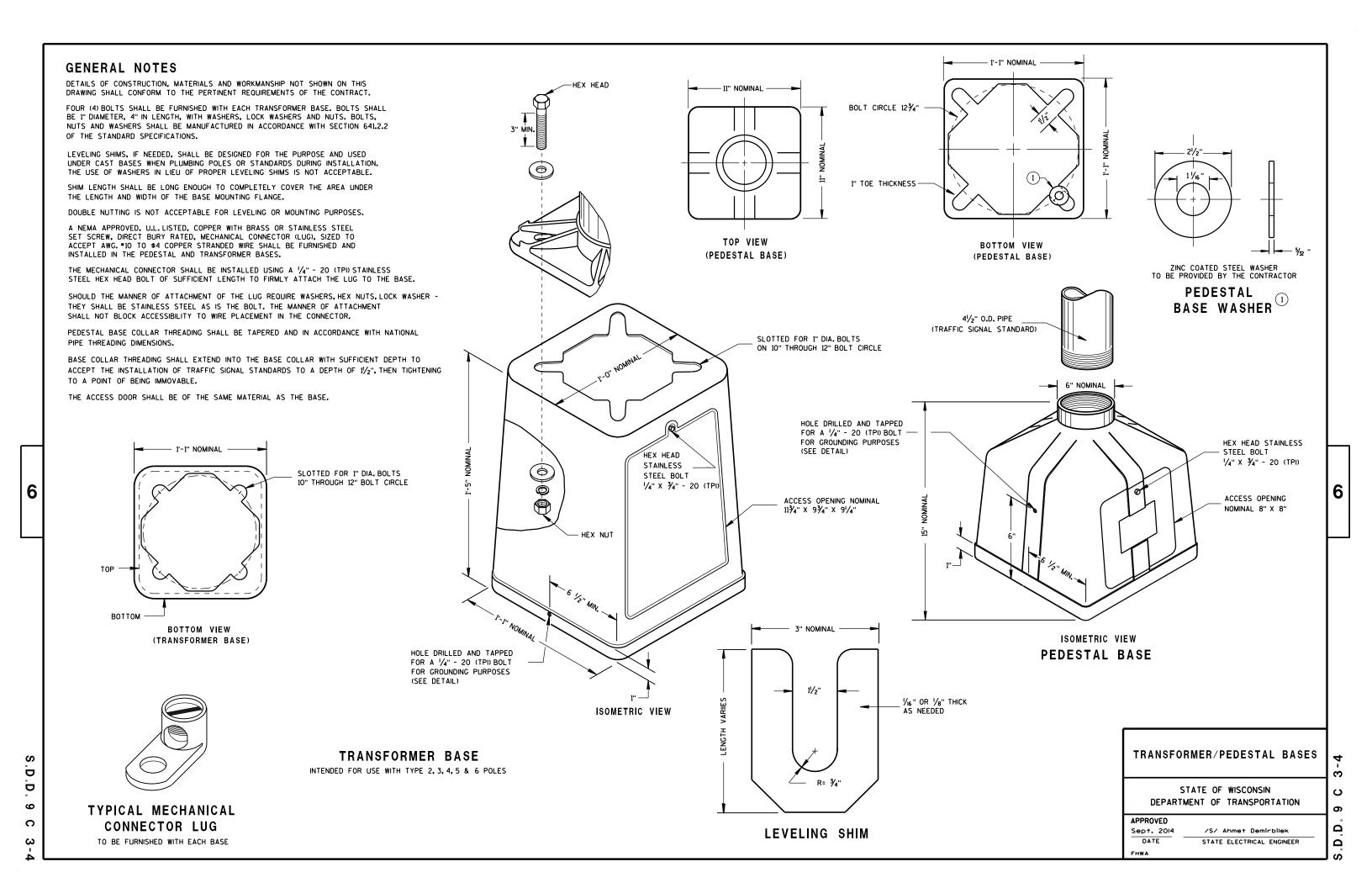
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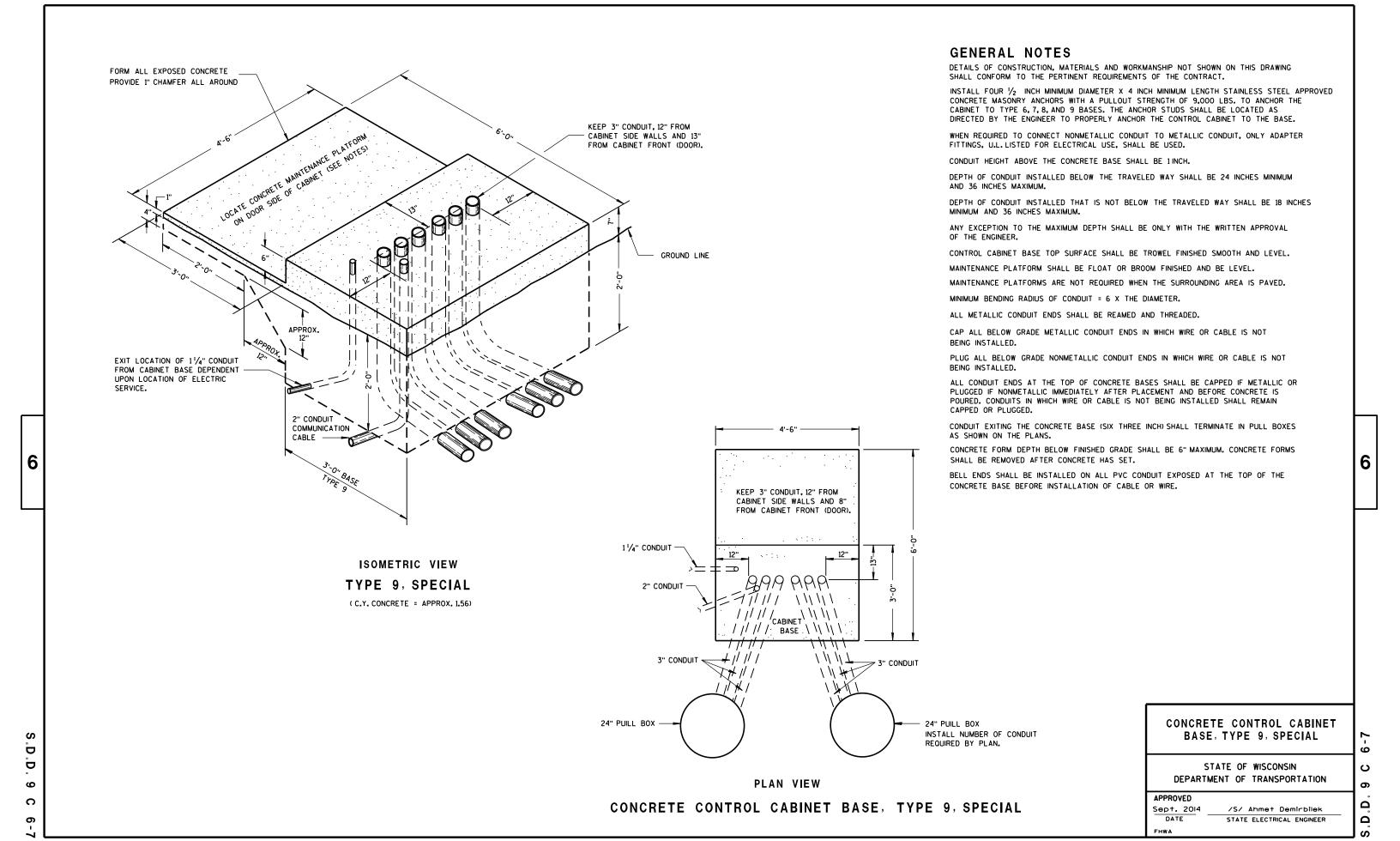
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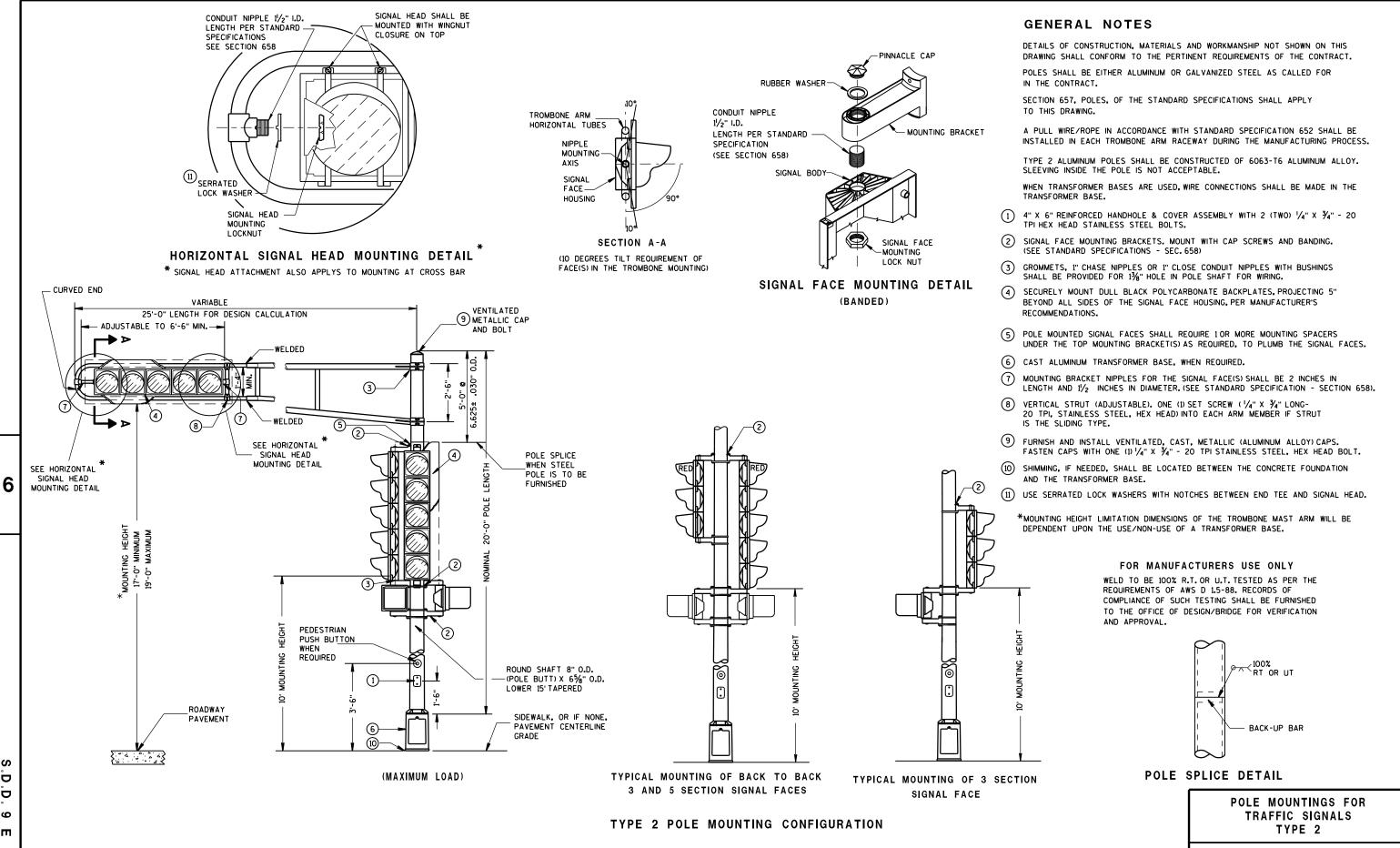
/S/ Ahmet Demirbilek

STATE ELECTRICAL ENGINEER

Sept. 2014

DATE

FHWA



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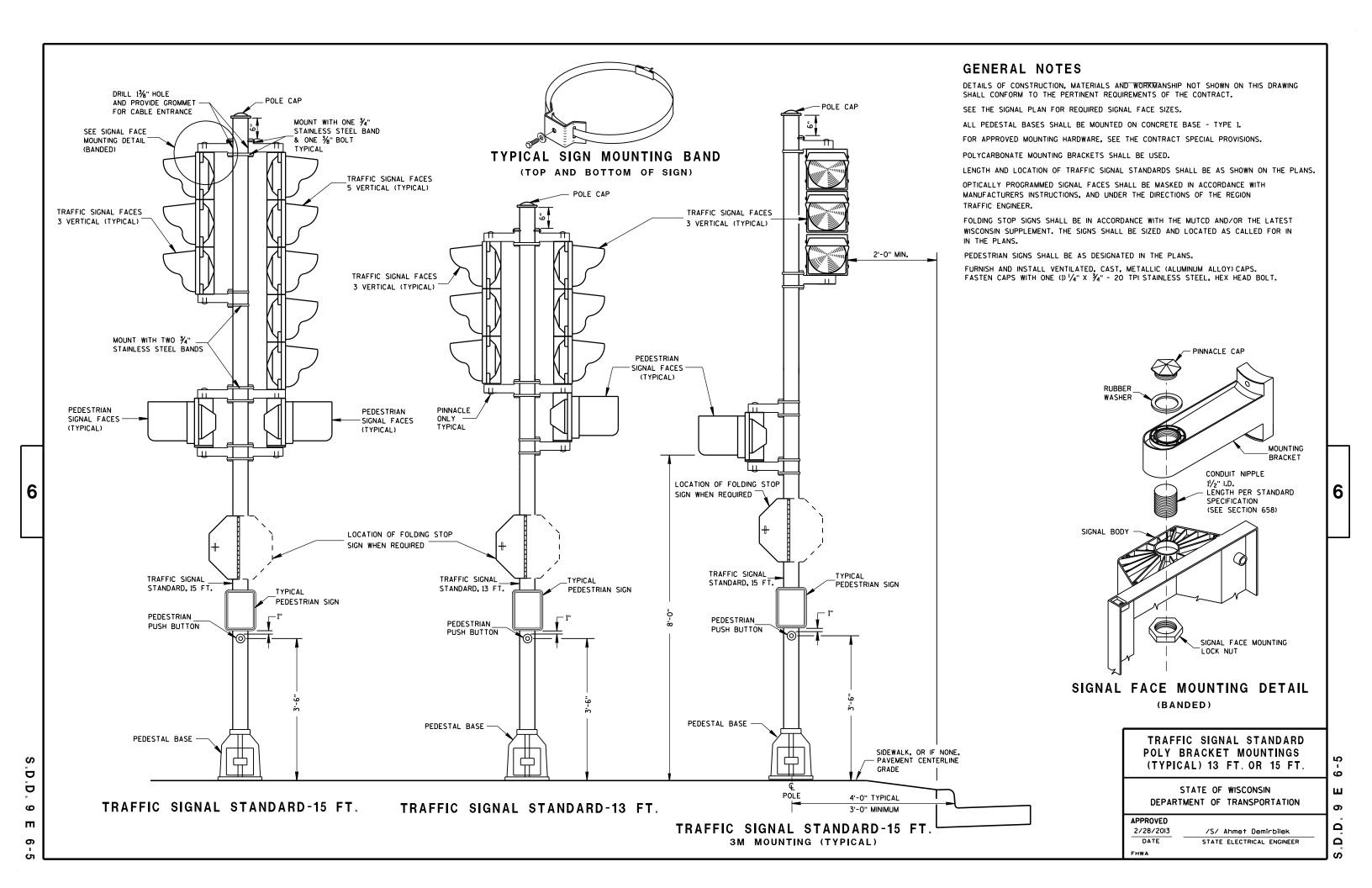
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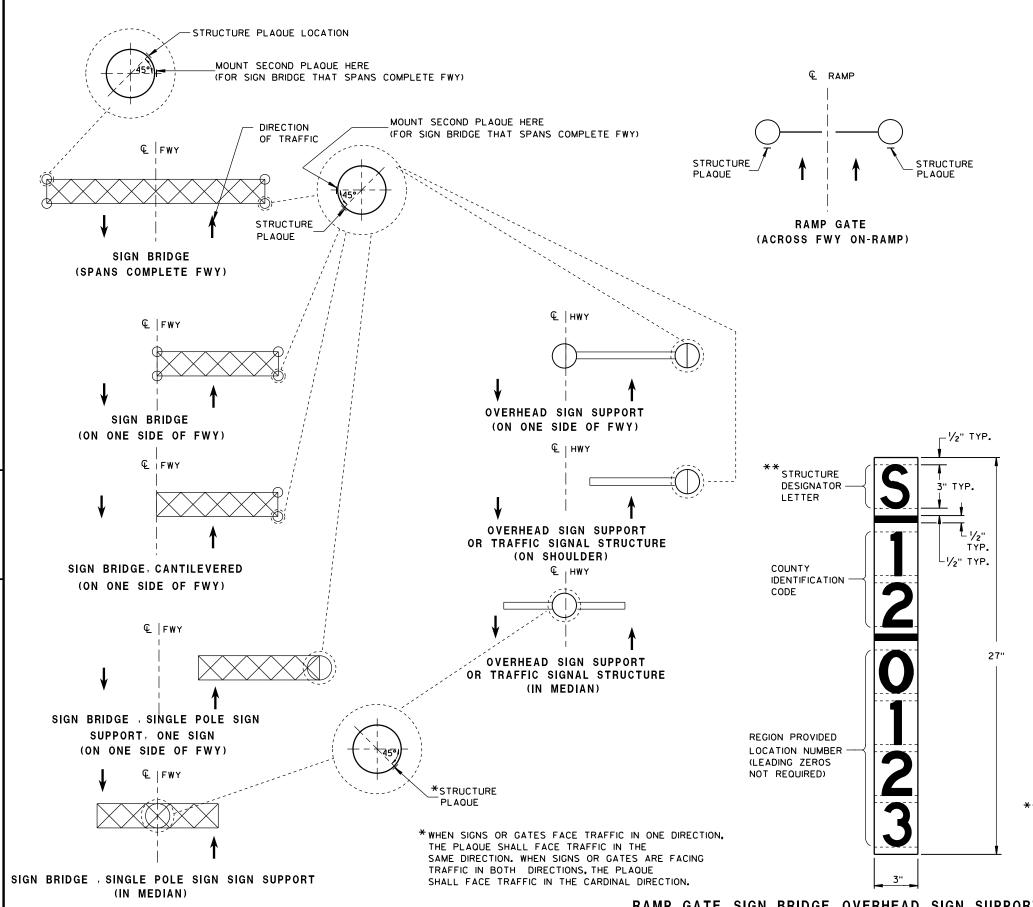
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION





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LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD

SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

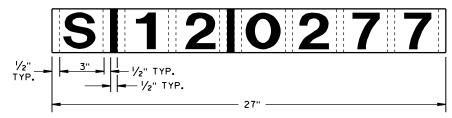
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, 1/2" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

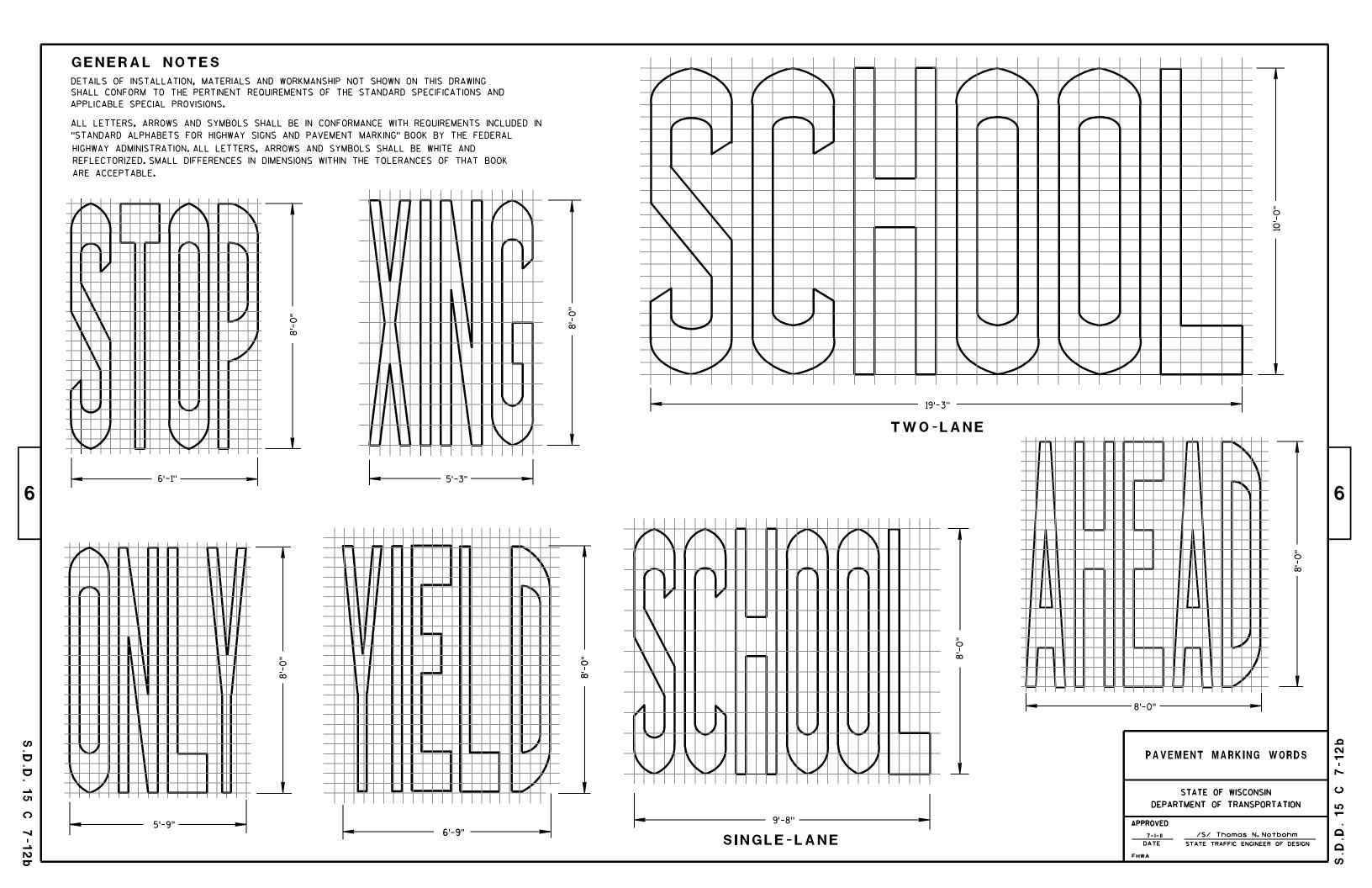
STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

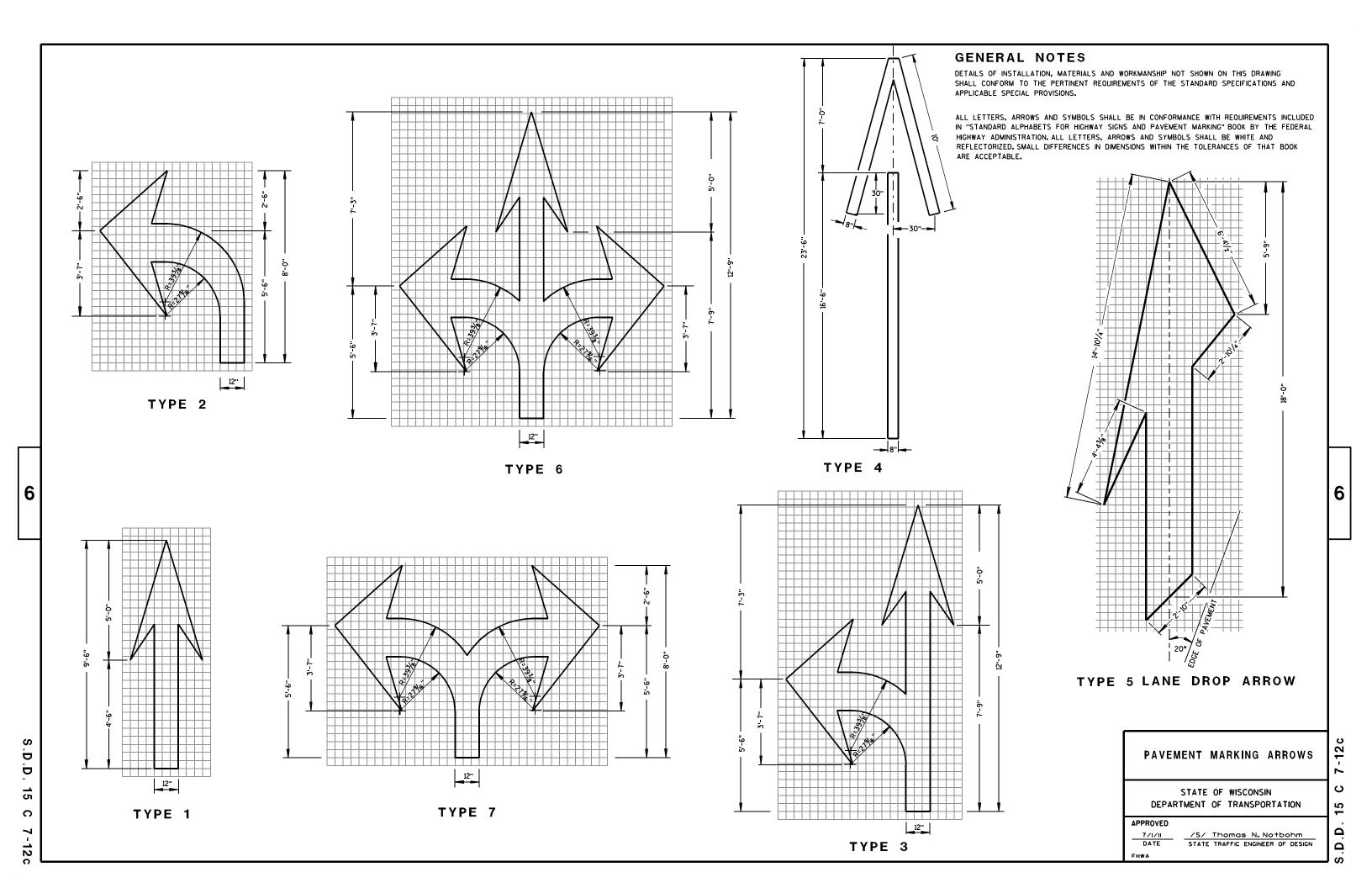
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

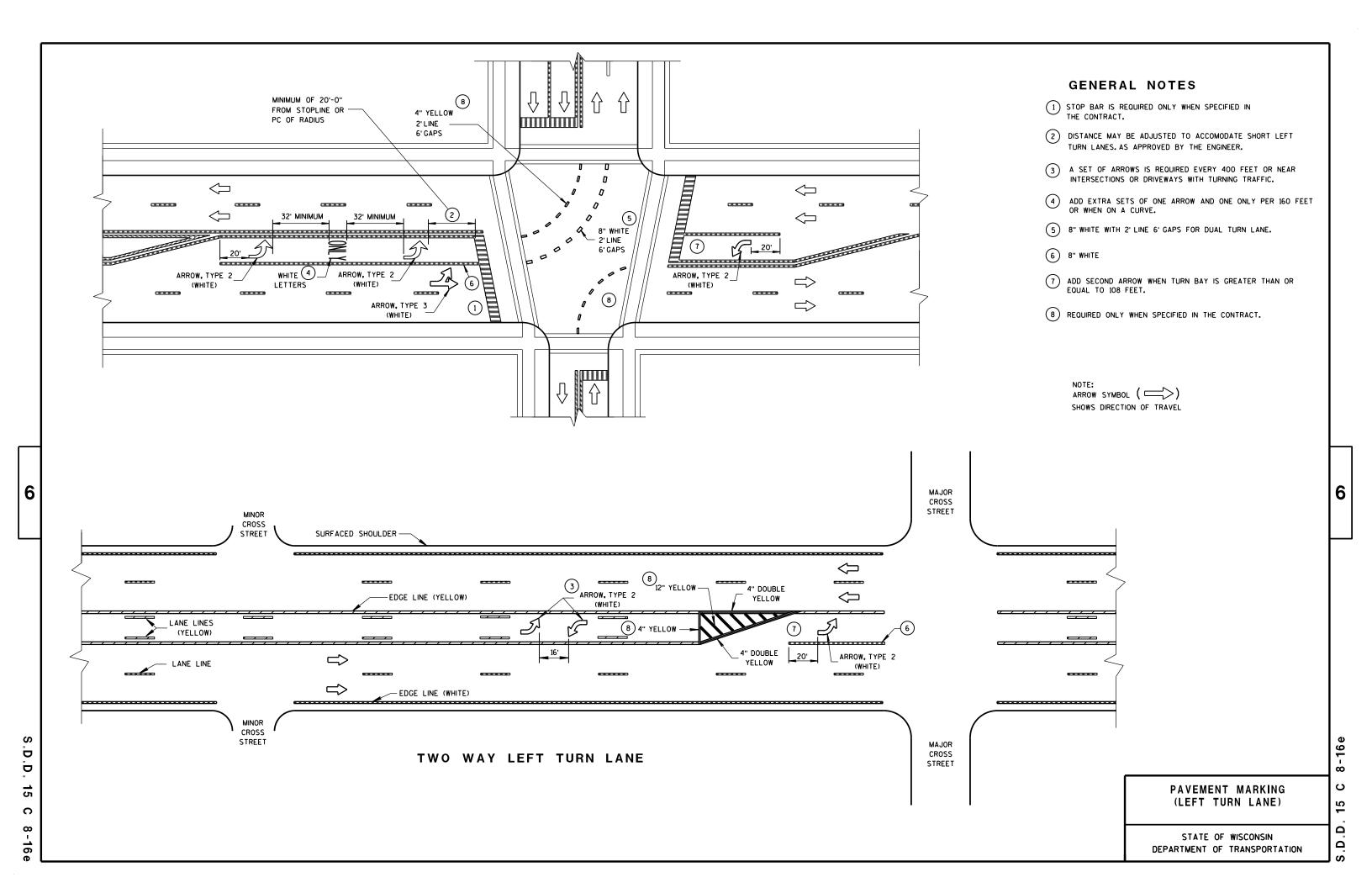
DATE STATE TRAFFIC ENGINEER OF DESIGN

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED









BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR BOLTS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

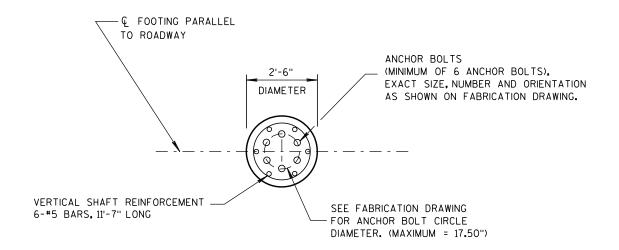
THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

THE REINFORCEMENT AND ANCHOR BOLTS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

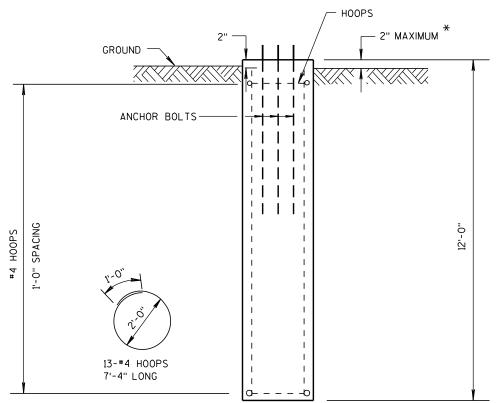
ANY DAMAGE TO THE CONCRETE BASE DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).



PLAN VIEW

* FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.



ELEVATION VIEW

CONCRETE - 2.2 C.Y. PER FOOTING H.S. REINFORCEMENT - 136 LBS. PER FOOTING 30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 4/17/2009

/S/ Thomas N. Notbohm STATE TRAFFIC ENGINEER OF DESIGN

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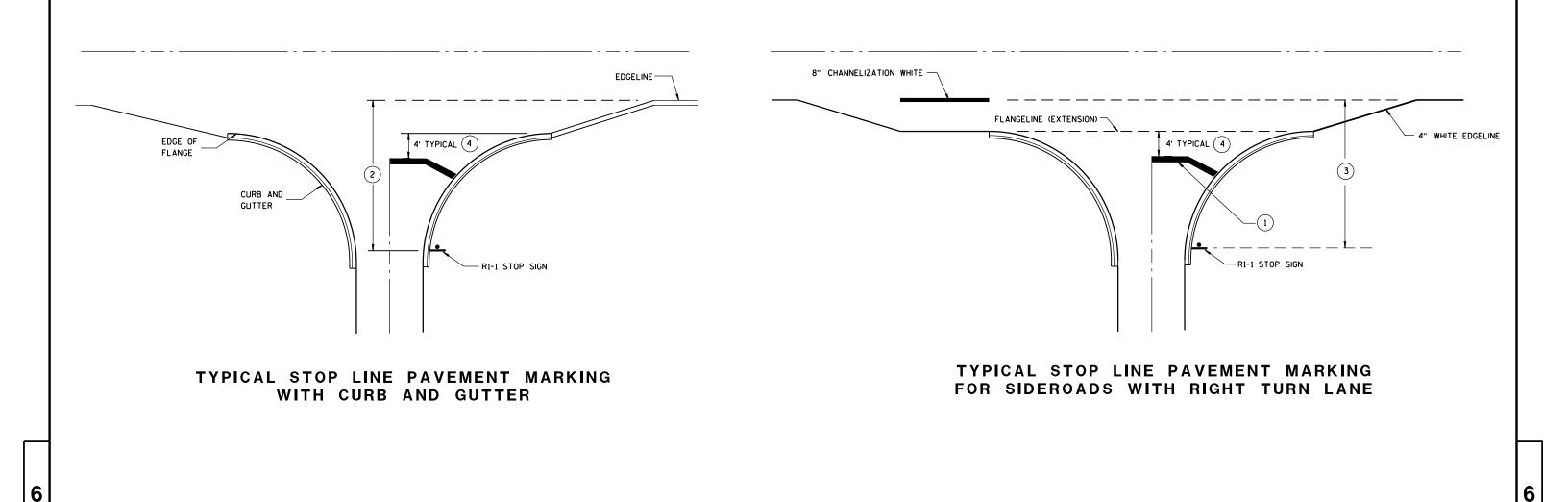
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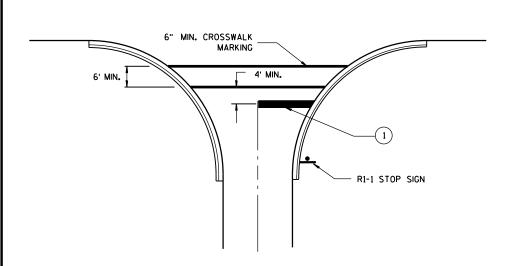
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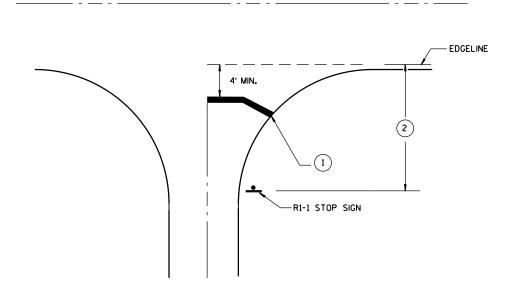
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TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- (3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

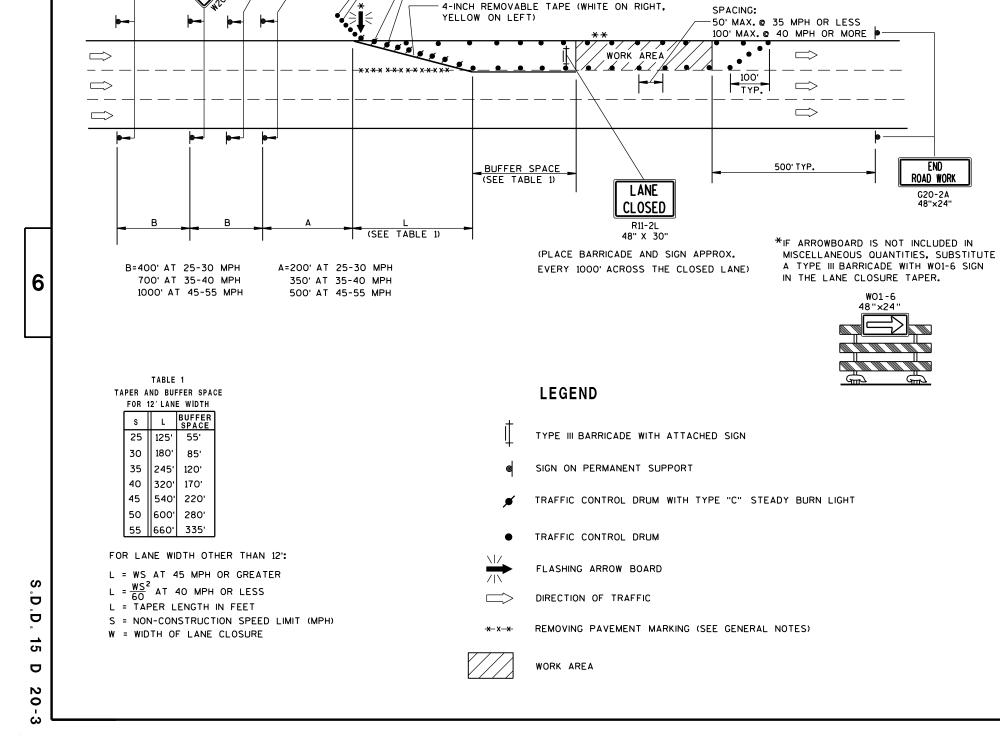
APPROVED	
4/30/2013	/S/ Travis Feltes
DATE	STATE TRAFFIC ENGINEER
FHWA	

.D.D. 15 C 33-1

S.D.D.

33





(5) DRUMS SPACED @ 10'

INTERVALS AS NEEDED IN

FRONT OF ARROW BOARD

25'@ 35 MPH OR LESS

50'@ 40 MPH OR MORE

TEMPORARY PAVEMENT MARKING.

SPACING:

ROAD WORK

NEXT___MILES

G20-1

60" X 24"

CLOSED

AHEAD

AHEAD

GENERAL NOTES

**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE

ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL

W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF

IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC

TRAFFIC, IN ADVANCE OF THE WORK AREA.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

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

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

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

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W2O-1, G2O-1 AND G2O-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

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

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

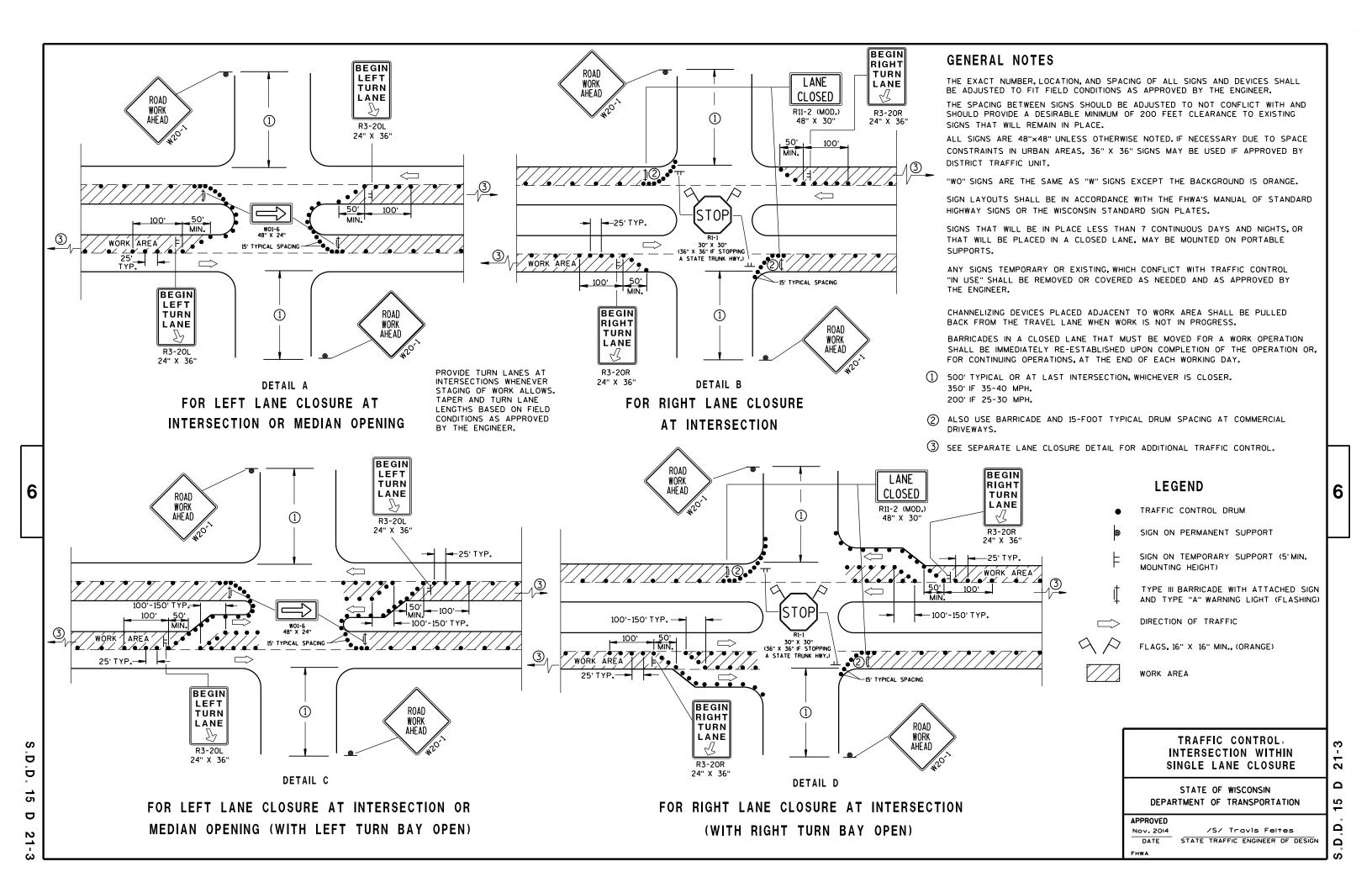
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

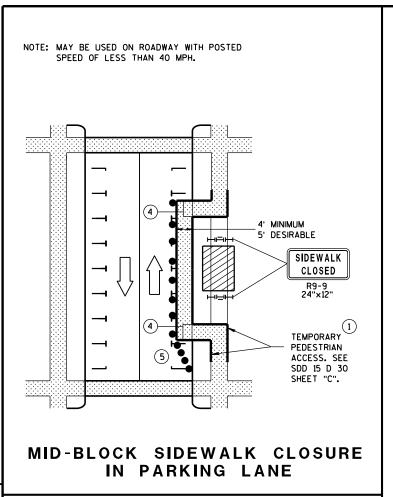
TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Feb. 2015
DATE
STATE TRAFFIC ENGINEER OF DESIGN

S.D.D. 15 D 2





NOTE: LAYOUT SAME AS ABOVE. 4' MINIMUM 5' DESIRABLE SIDEWALK CLOSED RQ-Q TEMPORARY PEDESTRIAN ACCESS. SEE SDD 15 D 30 SHEET "C". SIDEWALK DIVERSION

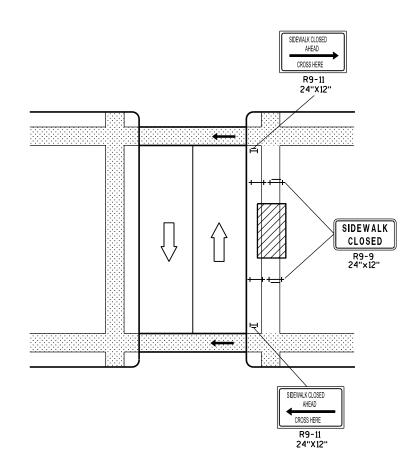
6

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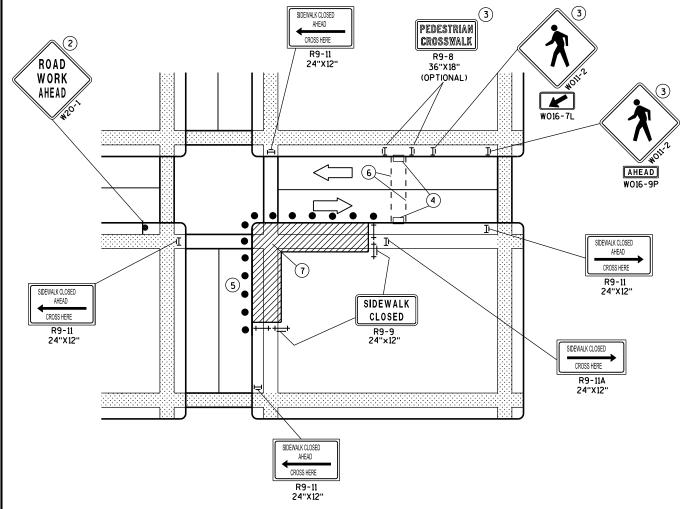
Ö

15

D



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

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

- 1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.
- 2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
- (3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
- (4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".
- (5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
- (6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
- (7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN

LEGEND

SIGN ON PERMANENT SUPPORT

UNDER PEDESTRIAN TRAFFIC

TRAFFIC TRAFFIC CONTOL DRUM

DIRECTION OF

WORK AREA

PEDESTRIAN CHANNELIZATION DEVICE

TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A. LOW-INTENSITY FLASHING)

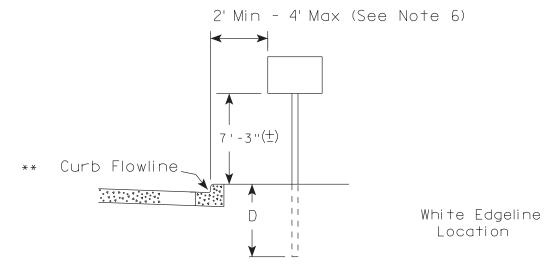
TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

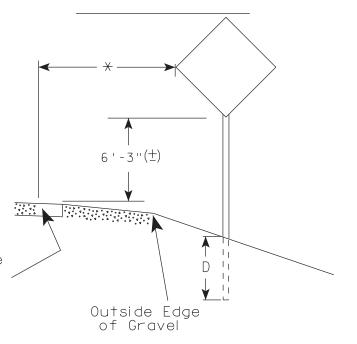
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION S 0 က Ω Ω

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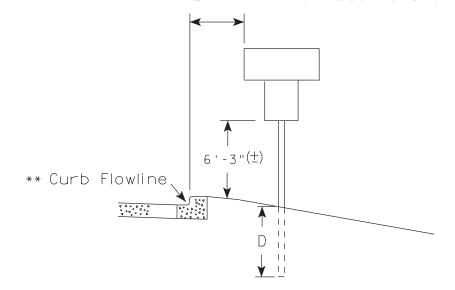
URBAN ARFA



RURAL AREA (See Note 2)



2' Min - 4' Max (See Note 6)



5'-3"(生) White Edgeline D IIOutside Edae of Gravel

Location

COUNTY:

** 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.

HWY:

* 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.

PLOT BY: mscsja

GENERAL NOTES

- 1. Signs wider than 4 feet, 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is $5' - 3'' (\pm)$.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) 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'' (\pm).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer

DATE 11/12/14

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43.DGN

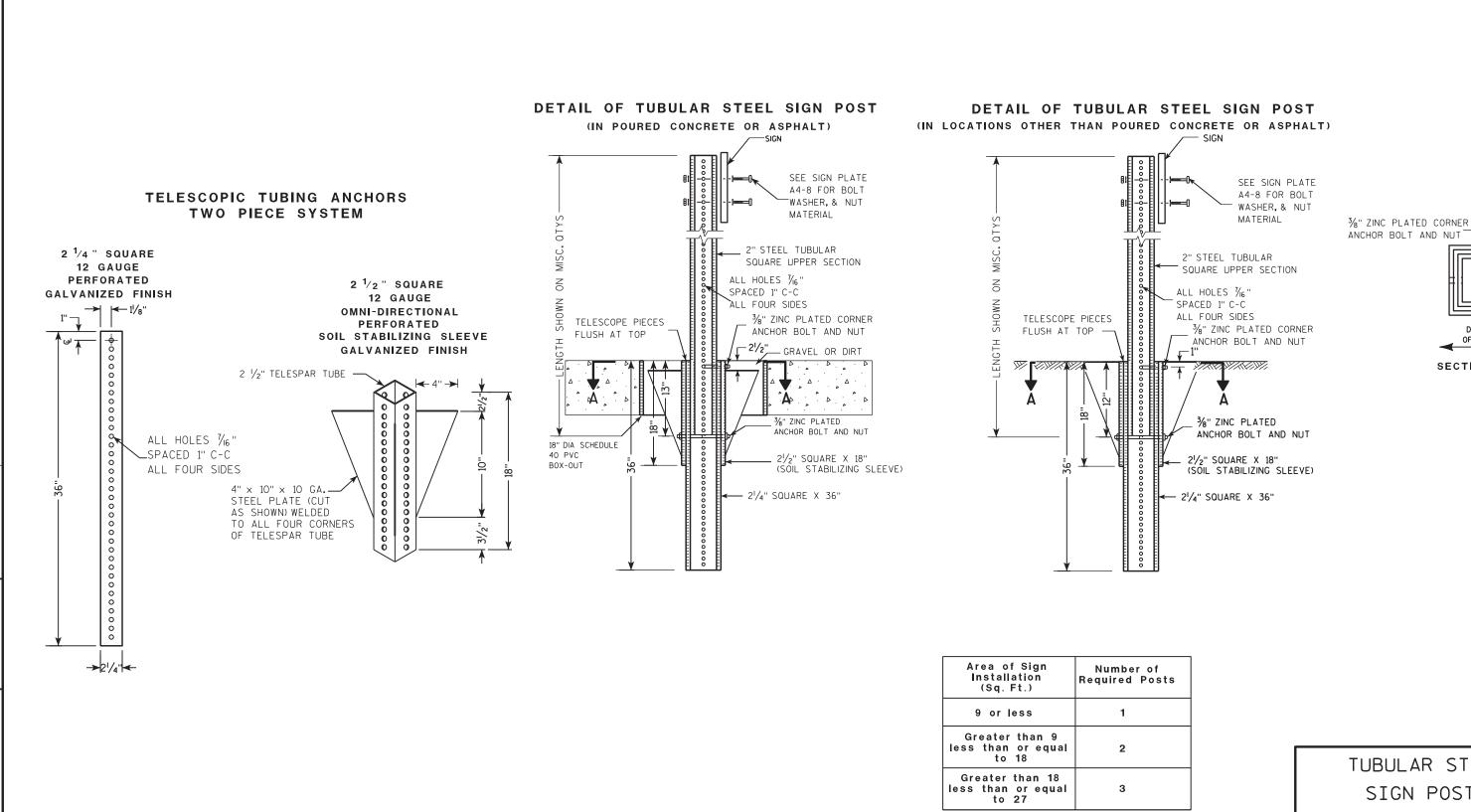
PROJECT NO:

PLOT DATE: 12-NOV-2014 14:03

PLOT NAME :

PLOT SCALE: 99.237937:1.000000

WISDOT/CADDS SHEET 42



Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL SIGN POST A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 2/05/15 PLATE NO. 44-9.9

SHEET NO:

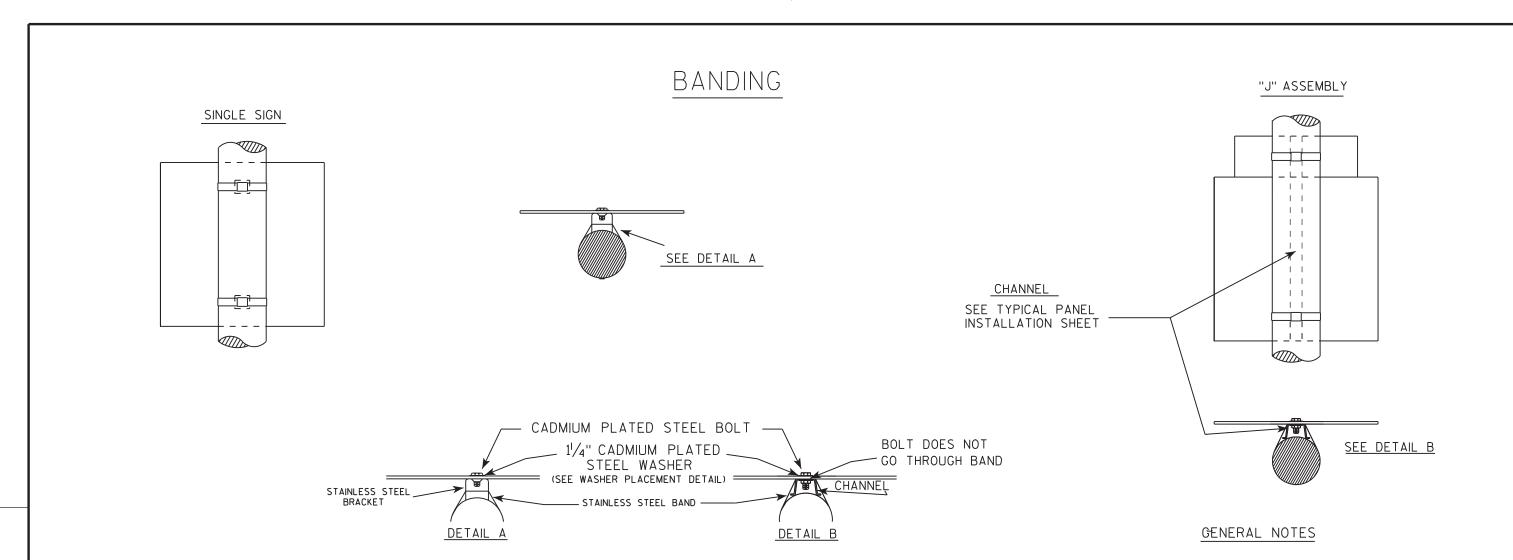
HWY:

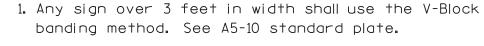
PROJECT NO:

COUNTY:

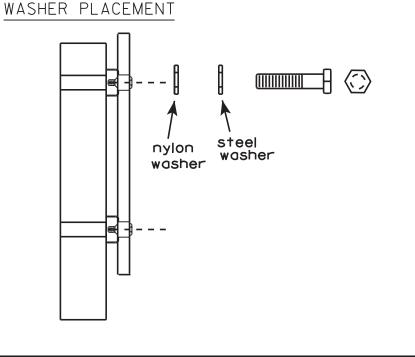
PLOT BY: mscsja

SECTION A-A





- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.



HWY:

WASHERS (ALL POSTS) -

COUNTY:

1-1/4" O.D. X3/8" I.D. X1/16" STEEL 1-1/4" O.D. X3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

PLOT BY: mscsja

STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 8/16/13

For State Traffic Engineer PLATE NO. A5-9.3

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A59.DGN

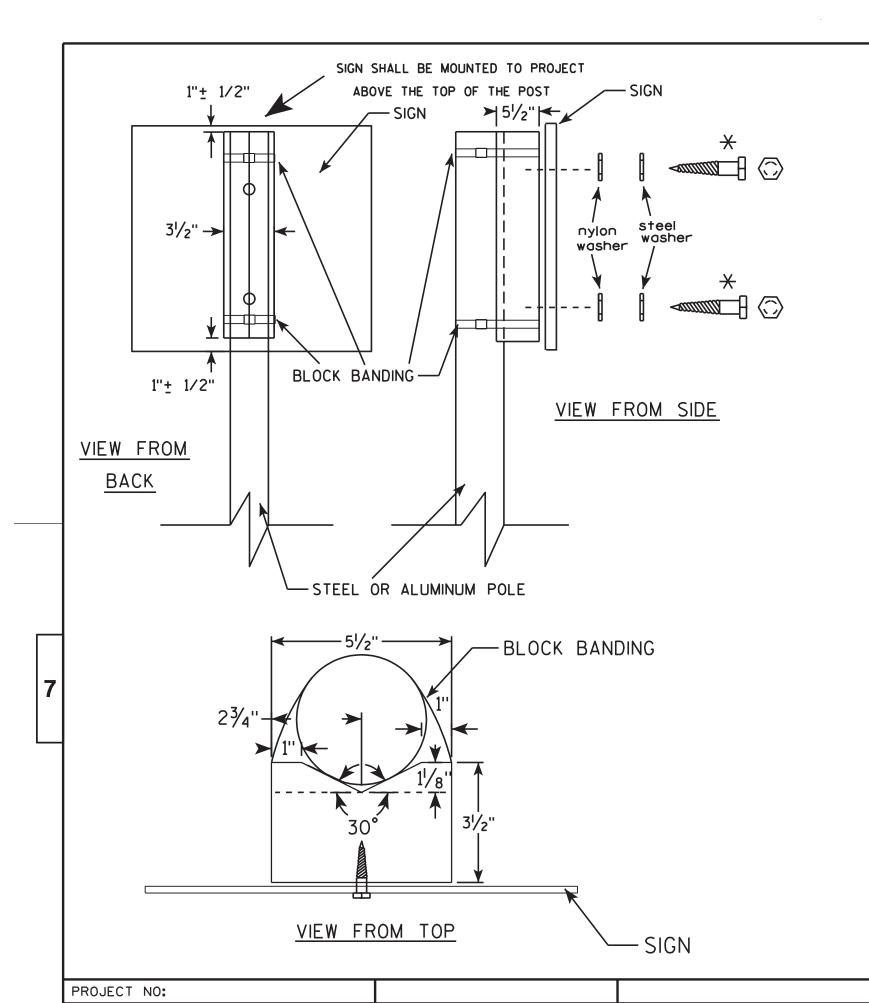
PROJECT NO:

PLOT DATE: 16-AUG-2013 13:27

PLOT NAME :

PLOT SCALE: 33.740899:1.000000

WISDOT/CADDS SHEET 42



GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, 3/4" WIDTH AND 0.025" THICKNESS
- 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 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
 - b. Cadmium plated in accordance with ASTM Designation: B 766 TYPE 3, Class 12, or
 - c. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE 11/4" O.D. X 3/8" I.D. X 1/16"
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $\frac{3}{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

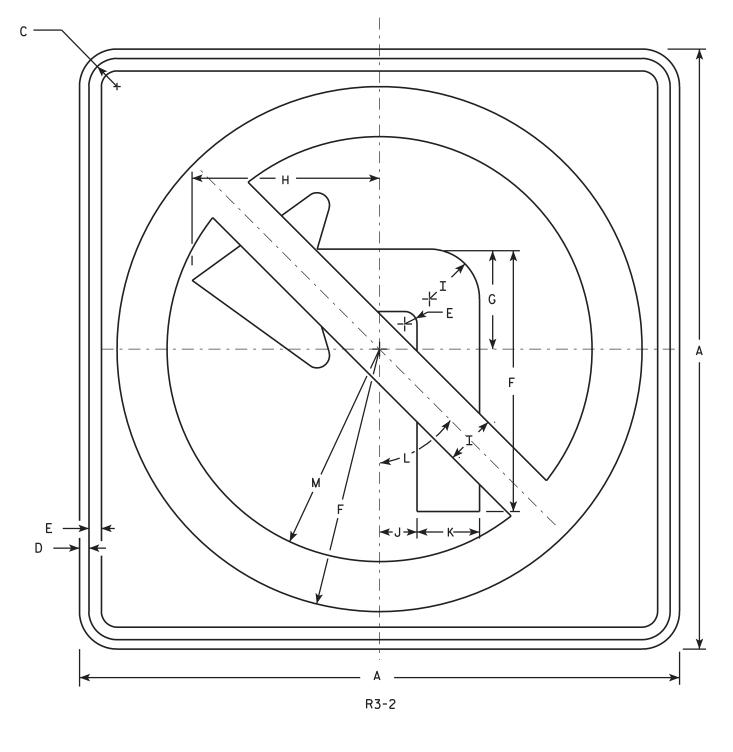
X LAG BOLTS SHALL BE 3/8" X 21/2"

BLOCK BANDING DETAIL (V-BLOCK OPTION) WISCONSIN DEPT OF TRANSPORTATION APPROVED For State Traffic Engineer

DATE 7/12/07

PLATE NO. A5-10.1

SHEET NO:

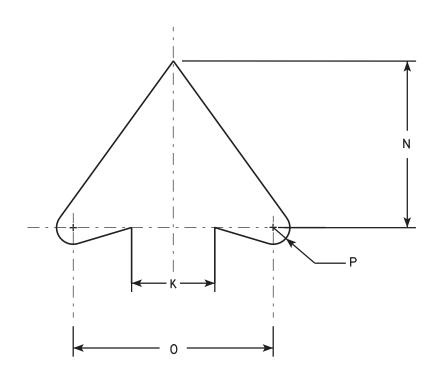


NOTES

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

Background - White Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

PLOT NAME :

SIZE	Α	В	C	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
25	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 %	5/8	3/4	15 ¾	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 %	5/8	3/4	15 ¾	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

COUNTY:

STANDARD SIGN R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

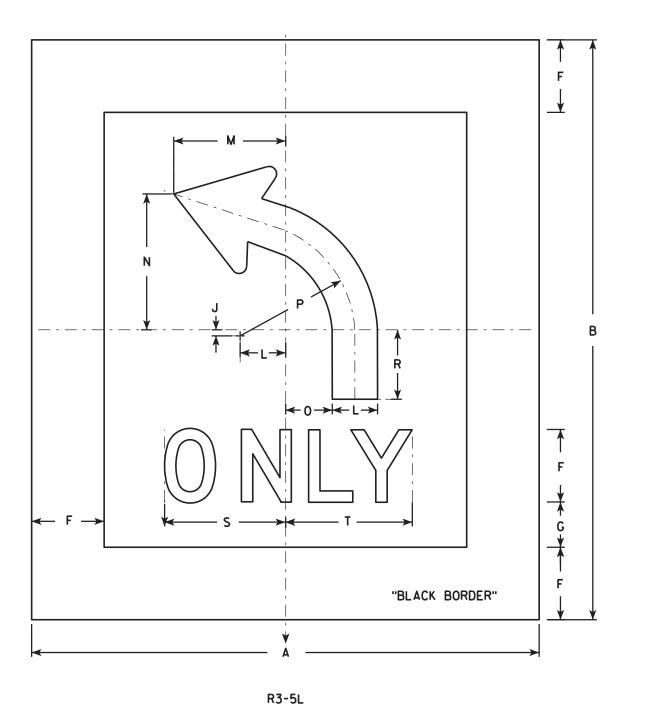
 f_{or} State Traffic Engineer PLATE NO. R3-2.10

DATE 12/08/10

SHEET NO:

HWY:

PROJECT NO:

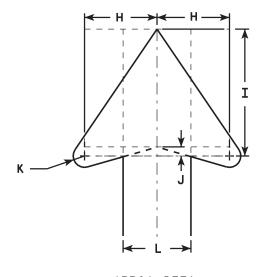


NOTES

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

Background - White Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood. When base material is metal. the corners shall be rounded.
- 5. R3-5R is the same as R3-5L except curved portion of arrow points right.
- 6. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	Α	В	С	D	Е	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Areo sq. ft.
1																											
25	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 1/8	9 1/2		5 3/4	10	10 1/2							1.26
2M	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 1/8	9 1/2		5 3/4	10	10 1/2							1.26
3																											
4																											
5																											

STANDARD SIGN R3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 2/24/11

PLATE NO. R3-5.6 SHEET NO:

HWY:

COUNTY:

PLOT BY: mscsja

PLOT DATE: 24-FEB-2011 14:53

PLOT NAME :

PLOT SCALE: 7.945391:1.000000

WISDOT/CADDS SHEET 42

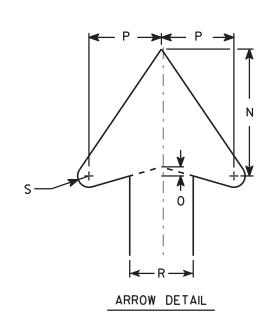
PROJECT NO:



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

Background - White Message - Black

- 3. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded.
- 4. R3-6R is the same as R3-6L except curved portion of arrow points right.
- 5. The 6" border is non-reflective black.



E - Y - T	E → H → H	В — — — — — В — — — — — — — — — — — — —
¥ E ¥	"BLACK BORDER"	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	Z	0	Р	0	R	S	T	U	V	W	Х	Y	Z	Areg sq. ft.
1																											
2S	42	48			6	5 %	15 3/8	11 3/4	11 1/4	14 1/2	8 1/8	14 1/4	3 %	7	1/2	4		3 1/2	5/8	36							14.0
2M	42	48			6	5 %	15 3/8	11 3/4	11 1/4	14 1/2	8 1/8	14 1/4	3 1/8	7	1/2	4		3 1/2	5/8	36							14.0
3																											
4																											
5																											
PROJ	ECT	NO:					НМ	Y:					COUN	TY:													

STANDARD SIGN R3-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthe

 f_{or} State Traffic Engineer

SHEET NO:

DATE <u>3/17/2011</u>

PLATE NO. R3-6.5

PLOT NAME :

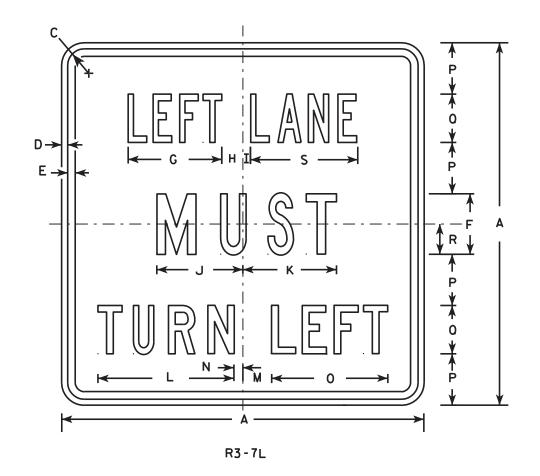
PLOT SCALE: 7.945391:1.000000

NOTES

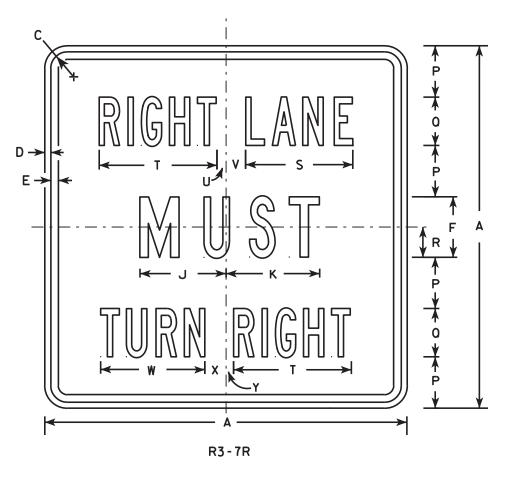
- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series Line 1 is Series B. Line 2 is Series C. Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
- 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.



HWY:



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	٥	R	S	Т	U	V	w	Х	Y	Z	Areq sq. ft.
1	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 %	4 1/4	4	2 1/2	8	9 3/4	3/4	1 %	8 %	1 %	5/8		6.25
25	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 %	4 1/4	4	2 1/2	8 1/8	9 3/4	3/4	1 %	8 %	1 %	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 %	4 1/4	4	2 1/2	8 %	9 3/4	3/4	1 %	8 %	1 %	5/8		6.25
3	36		1 %	5/8	3/4	6	9 %	2	1 1/8	8 3/4	9	13 ½	3 %	1 1/2	12 1/2	5	5	3	10 %	12	7∕8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 ½	2 3/8	1 1/2	11 1/2	11 1/8	17 3/4	3 %	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 1/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

COUNTY:

STANDARD SIGN R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

DATE 3/18/2011

SHEET NO:

PROJECT NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R37.DGN

PLOT DATE: 18-MAR-2011 09:43

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 7.945391:1.000000

WISDOT/CADDS SHEET 42

PLATE NO. R3-7.3

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov