EAU NOVEMBER 2016

ORDER OF SHEETS

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

Section No. 3 Miscellaneous Ouantities

Section No. 5 Plan and Profile Section No. 6 Standard Detail Drawings

Section No. 7 Sign Plates

Section No. 9 Cross Sections

TOTAL SHEETS = 176

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

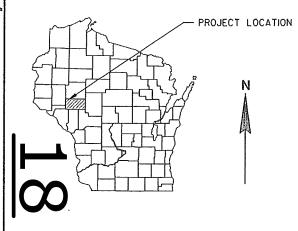
CLAIRE, CLAIREMONT AVENUE

STH 312 TO CRAIG ROAD USH 12

EAU CLAIRE COUNTY

STATE PROJECT NUMBER 7090-01-6

R IO W



DESIGN DESIGNATION		EB	WB
A.A.D.T. (2016)	=	32,920	27,290
A.A.D.T. (2036)	=	39,530	36,440
D.H.V.	=	4,072	3,754
D.D.	Ξ	58/42	58/42
T.	=	5.3 %	5.3 %
DESIGN SPEED	=	45 MPH	45 MPH
ESALS	=	N/A	N/A

BEGIN PROJECT STA 63+67.46'EB

Y = 288067.861 X = 327682.424

COMBUSTIBLE FLUIDS

ELECTRIC

TY/CABLE

POWER POLE

RAILROAD

TELEPHONE POLE

STORM SEWER

EXISTING CULVERT

PROPOSED CULVERT

CULVERT (Profile View)

UNDERGROUND UTILITIES

SERVICE PEDESTAL

312 END PROJECT FOLSOM ST STA 244+17.00'EB' Hall EE Moon CAMERON ST T 27 N 12 CRESCENT AVE

STR B-18-0114

CONVENTIONAL SYMBOLS

COUNTY LINE CORPORATE LIMITS PROPERTY LINE LOT LINE LIMITED EASEMENT EARTHWORK BALANCE POINT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE

SURVEY LINE SLOPE INTERCEPT ORIGINAL GROUND MARSH OR ROCK PROFILE

MARSH AREA

WOODED OR SHRUB AREA

11111111 ____P.L. * 58.1 _ ___ROCK___

TELEPHONE OR TELEGRAPH Д b Ø

PLOT DATE : 4/28/2016

LAYOUT

TOTAL NET LENGTH OF CENTERLINE = 3.259 MI

Coordinates on this plan are referenced to the Wisconsin County Coordinate System (WCCS), Eau Claire County.

PLOT NAME :

ORIGINAL PLANS PREPARED BY: CHIPPEWA" FALLS, S/ONAL ENGIN

FEDERAL PROJECT

CONTRACT

__

PROJECT

STATE PROJECT

7090-01-61

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY Surveyor SEH Designer DAVID KOEPP Project Manager CHRISTINE KOSK Regional Examiner TIMOTHY MASON Regional Supervisor C.O. Examiner

APPROVED FOR THE DEPARTMENT

EXCEPTION TO NET CENTERLINE LENGTH

STA 216+79.94'EB' TO STA 225+22.48'EB'

E

STANDARD ABBREVIATIONS

ABUT ABUTMENT HYD HYDRANT INSIDE DIAMETER ACRE ΙD AC AGGREGATE AGG INV INVERT **AECPRC** APRON ENDWALL FOR CULVERT PIPE ΙP IRON PIPE ON PIN REINFORCED CONCRETE LHF LEFT-HAND FORWARD LENGTH OF CURVE **ASPH** ASPHALTIC AVG AVERAGE 1 F LINEAR FOOT AVERAGE DAILY TRAFFIC LONG CHORD OF CURVE ADT LC BF BACK FACE LUMP SUM LS RM BENCH MARK MH MANHOLE BRIDGE MOR MID POINT OF RADIUS COMMERCIAL ENTRANCE NORMAL CROWN CE NC NUMBER CL OR C/L OR & CENTER LINE NO CENTRAL ANGLE OR DELTA OBLITERATE OBL TT CONC CONCRETE PAVT PAVEMENT CULVERT PIPE REINFORCED CONCRETE CPRC PΕ PRIVATE ENTRANCE CULVERT PIPE REINFORCED CONCRETE CPRCHE PVRC POINT OF VERTICAL REVERSE CURVE HORIZONTAL ELLIPTICAL QOR QUARTER POINT OF RADIUS CR RADIUS CUBIC YARD REQ'D REQUIRED CURB AND GUTTER RESIDENCE OR RESIDENTIAL C & G RES DEGREE OF CURVE RHF RIGHT-HAND FORWARD DESIGN HOUR VOLUME RIGHT-OF-WAY DHV R/W DISCH DISCHARGE RIVER DITCH GRADE RDWY ROADWAY DWY DRIVEWAY R/L OR R REFERENCE LINE EAST GRID COORDINATE SALVAGED SALV FAT STEEL PLATE BEAM GUARD SANTTARY SEWER SAN ENERGY ABSORBING TERMINAL SF SQUARE FEET EOR END POINT OF RADIUS SY SQUARE YARD FΙ ELEVATION SDD STANDARD DETAIL DRAWINGS ENTRANCE STA STATION FNT ESALS EQUIVALENT SINGLE AXLE LOADS SS STORM SEWER EXCAVATION SSPRC STORM SEWER PIPE REINFORCED CONCRETE EXC EXCAVATION BELOW SUBGRADE SUPERELEVATION RATE FBS SF EXIST EXISTING TC TOP OF CURB FACE OF CURB T OR TN TOWN FACE TO FACE TRUCKS (PERCENT OF) FERT TYP FERTILIZE TYPICAL FE FIELD ENTRANCE VAR VARIABLE FLOW LINE VC VERTICAL CURVE

ΥD

GENERAL NOTES

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE APPROXIMATE USGS DATUM.

WHEN THE QUANTITY OF BASE AGGREGATE OR ASPHALTIC SURFACE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

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

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH SALVAGED TOPSOILED, FERTILIZED, SEEDED AND MULCHED

ALL CURB AND GUTTER RADII, PAVEMENT DIMENSIONS AND STATIONS ARE SHOWN TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

SILT FENCE SHALL BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, AND IN PLACE PRIOR TO CONSTRUCTION.

MATCH EXISTING SUPERELEVATION RATES. SUPERELEVATION RATES FOR THE EXISTING CURVES WITHIN THE PROJECT ARE UNKNOWN.

NO GRADING CHANGES ARE ANTICIPATED.

DESIGN CONTACT

SEH
10 NORTH BRIDGE STREET
CHIPPEWA FALLS, WI 54729
TELEPHONE: 715.720.6200
ATTENTION: TARA KRISTA
EMAIL: TKRISTA@SEHINC.COM

WDNR CONTACT

1300 WEST CLAIREMONT AVENUE EAU CLAIRE, WI 54702 TELEPHONE 715.839.1609 ATTENTION: CHRIS WILLGER EMAIL: CHRISTOPHERJ.WILLGER@WISCONSIN.GOV

UTILITY CONTACTS

AT&T WI - COMMUNICATION 304 S. DEWEY STREET EAU CLAIRE, WI 54701 TELEPHONE: 715.839.5565 ATTENTION: RICK PODOLAK EMAIL: RP4514@ATT.COM

CENTURYLINK, F/K/A
OWEST COMMUNICATIONS - COMMUNICATION
1310 E. MARY STREET
OTTUMWA, IOWA 52501
TELEPHONE: 641.684.4106
ATTENTION: ROBERT SAMPSON
EMAIL: ROBERT.SAMPSON@CENTURYLINK.COM

CHARTER COMMUNICATIONS - COMMUNICATION 1201 McMANN DRIVE ALTOONA, WI 54720 TELEPHONE 715.831.8940 EXT. 619 ATTENTION: SHANE YODER EMAIL: SHANE.YODER@CHARTERCOM.COM

CHIPPEWA VALLEY INTERNETWORKING CONSORTIUM (CINC) - COMMUNICATION 105 GARFIELD AVENUE EAU CLAIRE, WI 54701 TELEPHONE:715.836.5286 ATTENTION: DAREN BAUER EMAIL: BAUERDP@UWEC.EDU

CITY OF EAU CLAIRE - ELECTRIC 203 SOUTH FARWELL STREET EAU CLAIRE, WI 54701 TELEPHONE: 715.839.4934 ATTENTION: LEAH NESS EMAIL: LEAH.NESS@EAUCLAIREWI.GOV

CITY OF EAU CLAIRE - SANITARY, STORM, WATER 1040 FOREST STREET EAU CLAIRE, WI 54703 TELEPHONE: 715.839.1876 ATTENTION: LANE BERG EMAIL: LANE.BERG@EAUCLAIREWI.GOV

WEST WISCONSIN TELCOM - COMMUNICATION 5808 OLD MILL PLAZA EAU CLAIRE, WI 54703 TELEPHONE: 715.231.0504 (OFFICE) TELEPHONE: 715.308.1914 (MOBILE) ATTENTION: BRAD SCHMIDTKNECHT EMAIL: BRADS@WWT.NET

WINDSTREAM KDL - COMMUNICATION 13935 BISHOPS DRIVE BROOKFIELD, WI 53004 TELEPHONE: 608.512.5587 ATTENTION: DENNIS RUESS EMAIL: DENNIS.RUESS@WINDSTREAM.COM

XCEL ENERGY - ELECTRICITY
1414 W. HAMILTON AVENUE
PO BOX 8
EAU CLAIRE, WI 54702
TELEPHONE: 715.737.1477
ATTENTION: KIRK HENDRICKSON
EMAIL: KIRK.H.HENDRICKSON@XCELENERGY.COM

XCEL ENERGY - GAS
1400 WESTERN AVENUE
PO BOX 8
EAU CLAIRE, WI 54702
TELEPHONE: 715.737.2584
ATTENTION: SCOTT SEAHOLM
EMAIL: SCOTT.J.SEAHOLM@XCELENERGY.COM

XCEL ENERGY 24-HOUR EMERGENCY (GAS) 1.800.895.2999

XCEL ENERGY - TRANSMISSION

8701 MONTICELLO LANE
MAPLE GROVE, MN 55369
TELEPHONE: 651.955.1089
ATTENTION: CHARLES DIENGER
EMAIL: CHARLES.G.DIENGER@XCELENERGY.COM

Dial or (800)242-8511
www.DiggersHotline.com

PROJECT NO: 7090-01-61

FIBER OPTIC

HUNDREDWEIGHT

F0

CWT

HWY: USH 12

NORTH GRID COORDINATE

YARD

COUNTY: EAU CLAIRE

GENERAL NOTES

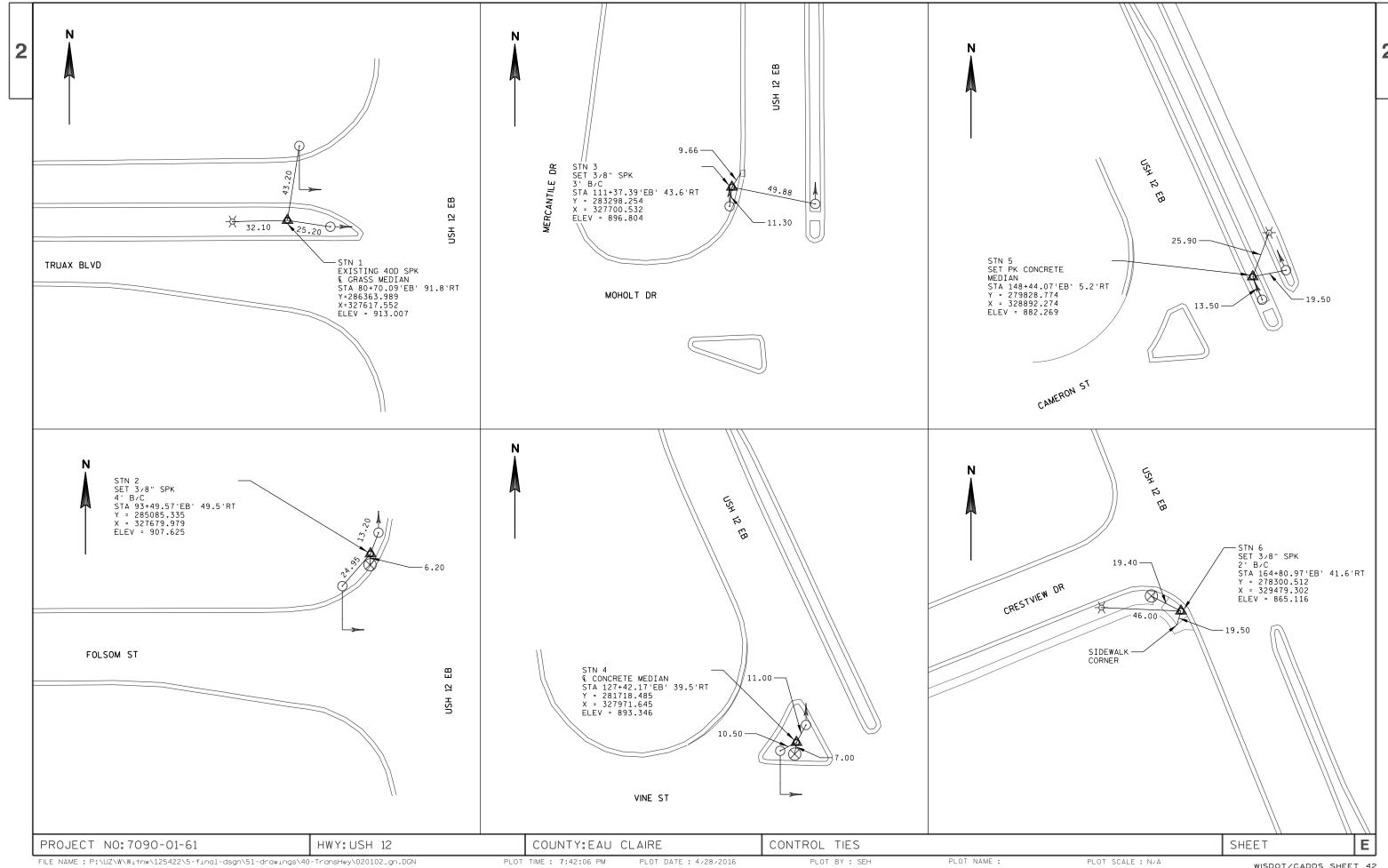
PLOT BY: SEH

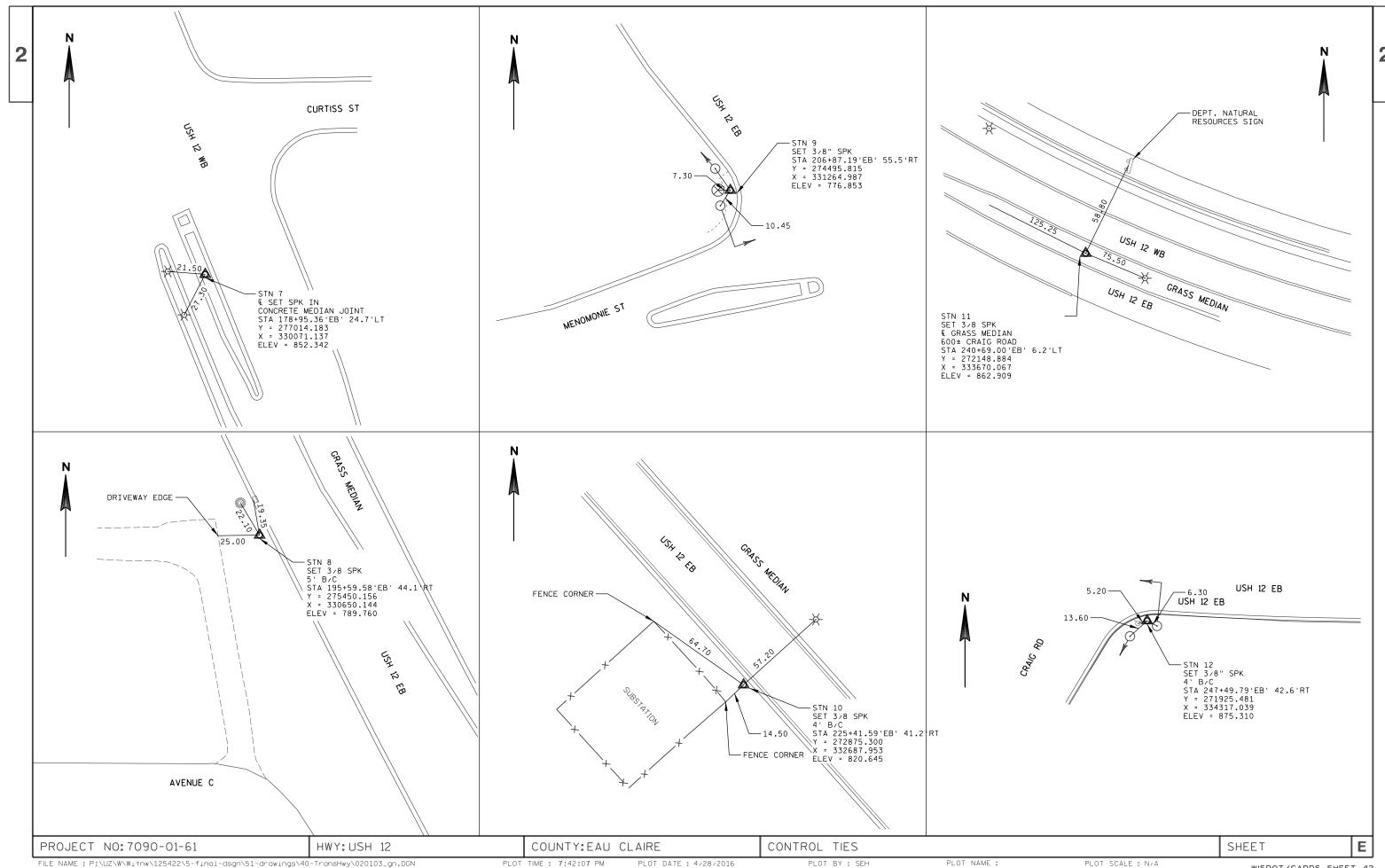
PLOT NAME :

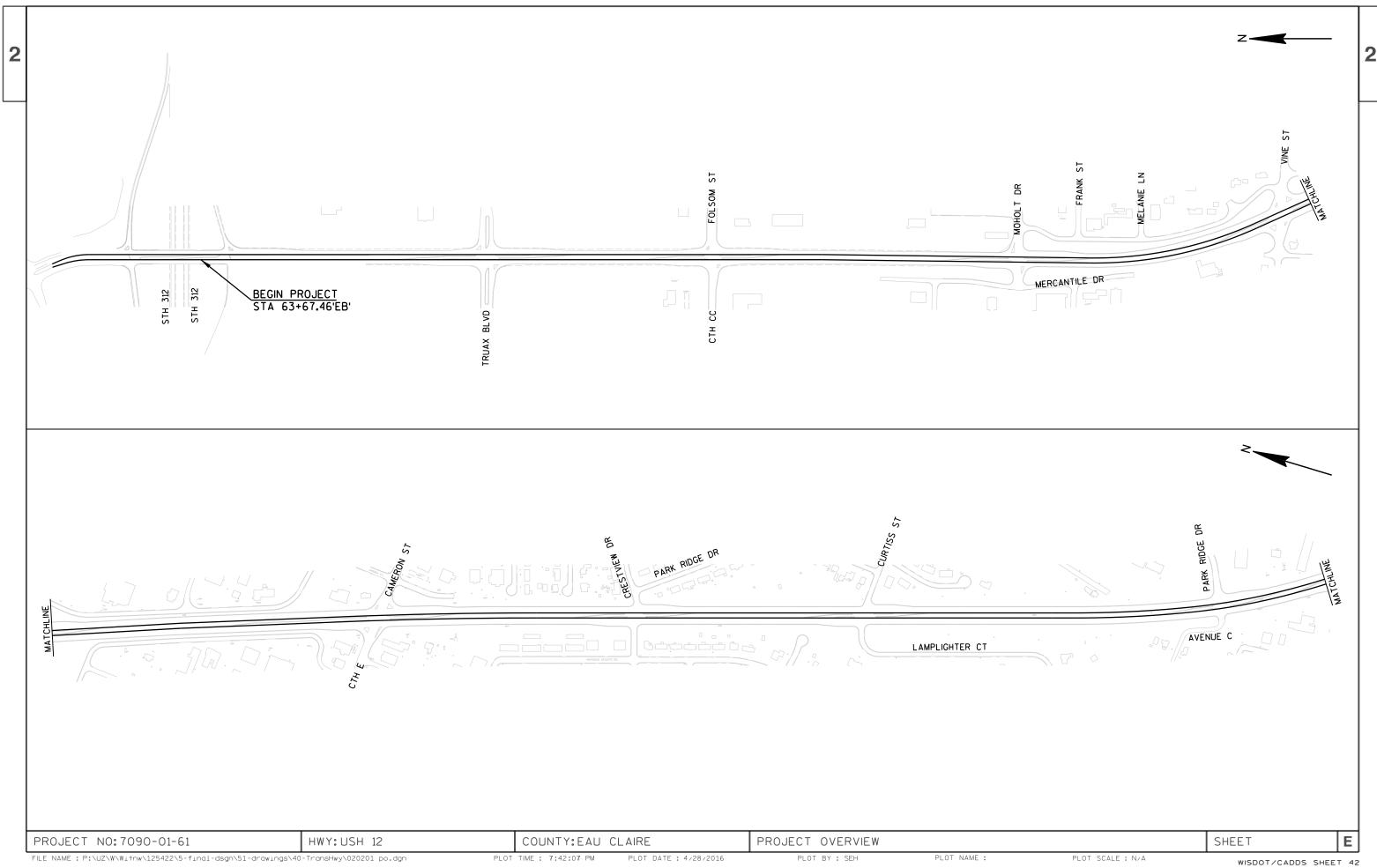
T - -

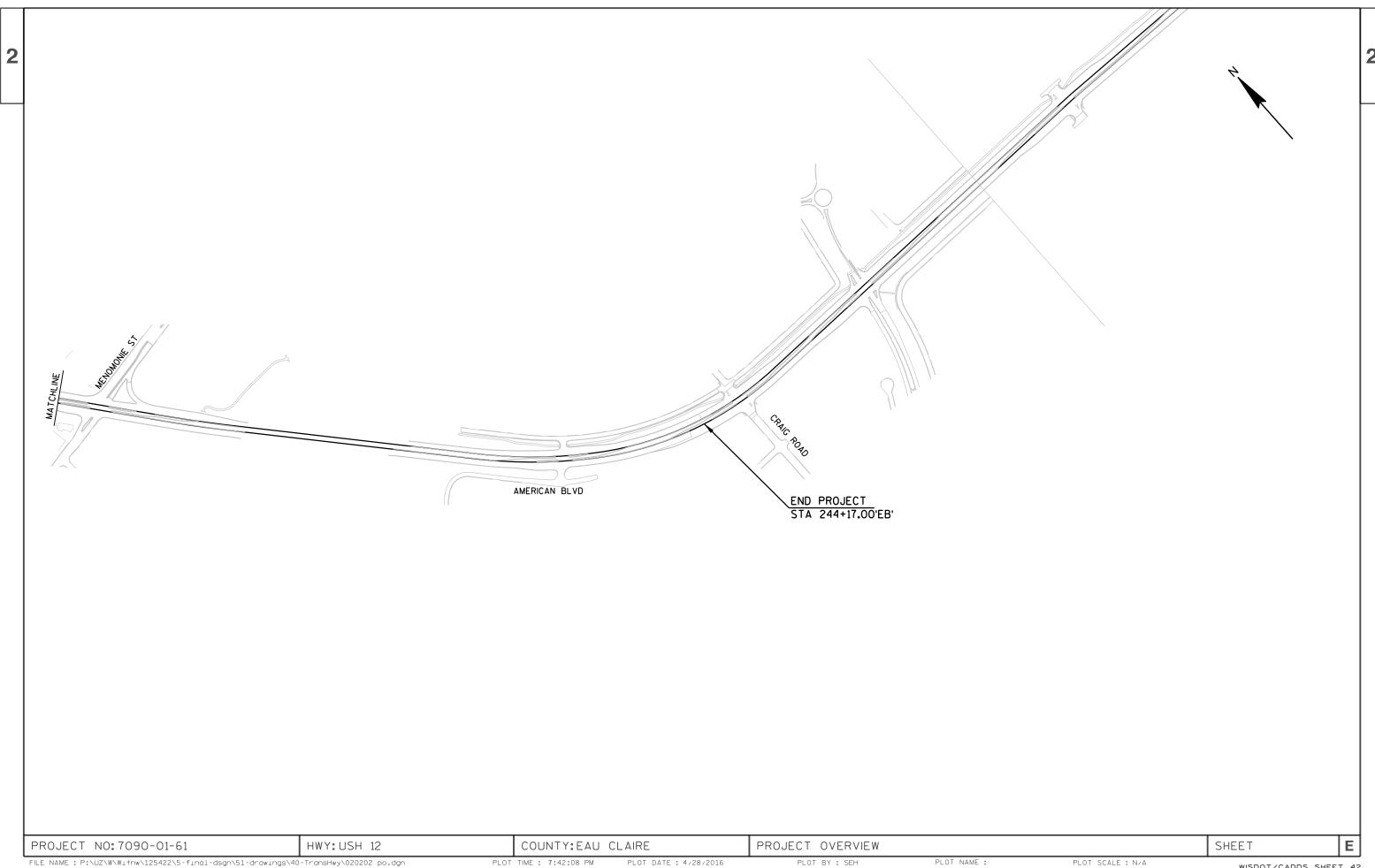
SHEET

ET **E**







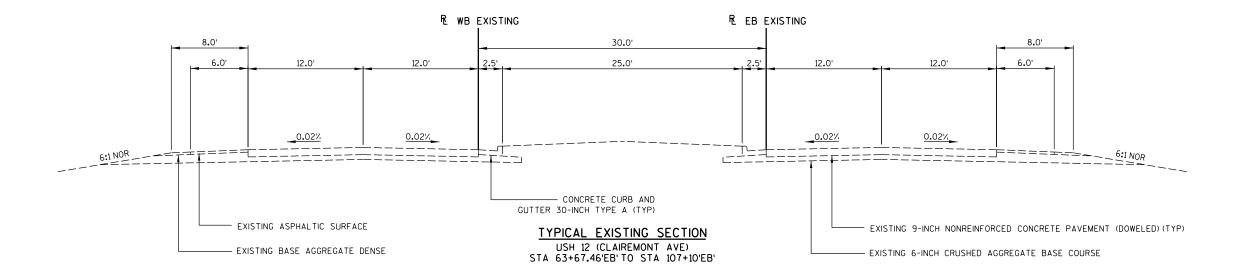


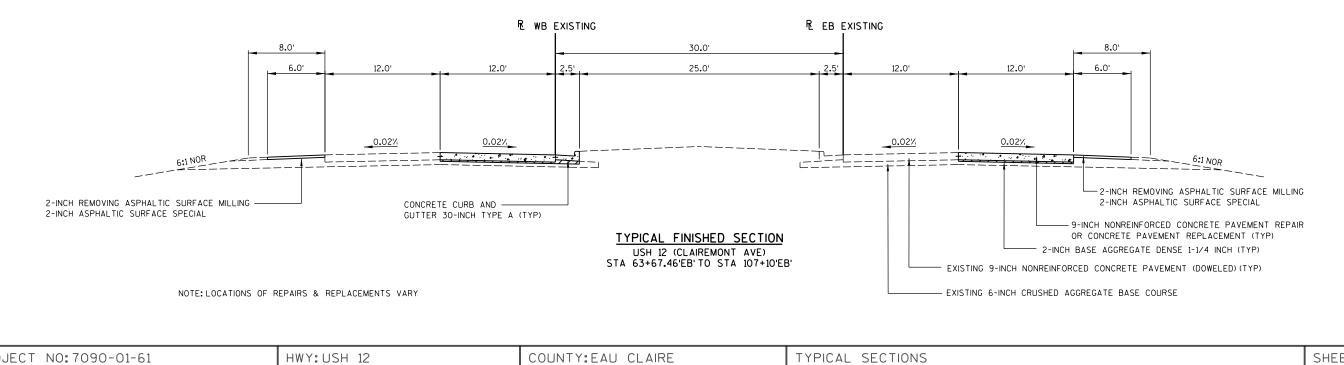
FILE NAME: P:\UZ\W\Witnw\125422\5-final-dsgn\51-drawings\40-TransHwy\020202 po.dgn

PLOT TIME: 7:42:08 PM

PLOT DATE: 4/28/2016







HWY: USH 12

PROJECT NO: 7090-01-61

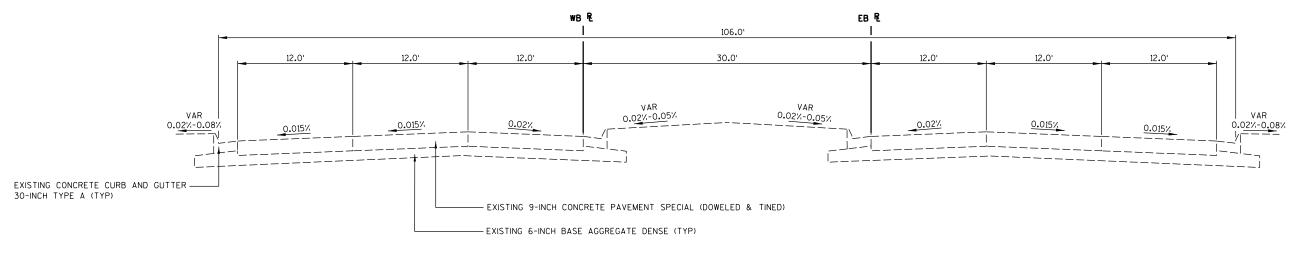
COUNTY: EAU CLAIRE

PLOT BY : SEH

Е

SHEET



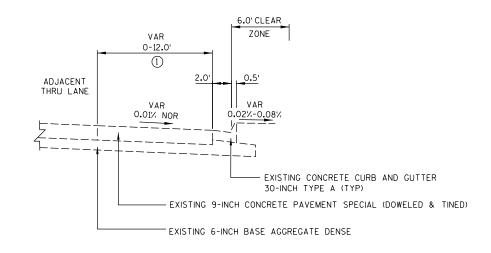


R 2 VAR 0-20.0' 6.0' CLEAR ADJACENT ZONE VAR VAR THRU LANE 0-10.0 0-10.0' 0-6.0 VΔR VAR 0.01% NOR VAR 0.02%-0.05% EXISTING CONCRETE CURB AND GUTTER-30-INCH TYPE A (TYP) EXISTING CONCRETE SAFETY ISLAND - EXISTING 9-INCH CONCRETE PAVEMENT SPECIAL (DOWELED & TINED) - EXISTING 6-INCH BASE AGGREGATE DENSE (TYP)

TYPICAL EXISTING SECTION

USH 12 (CLAIREMONT AVENUE) STA 107+10'EB' TO STA 244+17'EB'

- 1) USH 12 WB KEITH ST INTERSECTION 0-10.0'
- ② USH 12 EB LOOKING EAST OR WB LOOKING WEST



TYPICAL EXISTING SECTION

RIGHT TURN LANE USH 12 (CLAIREMONT AVENUE)

TYPICAL EXISTING SECTION LEFT TURN LANE

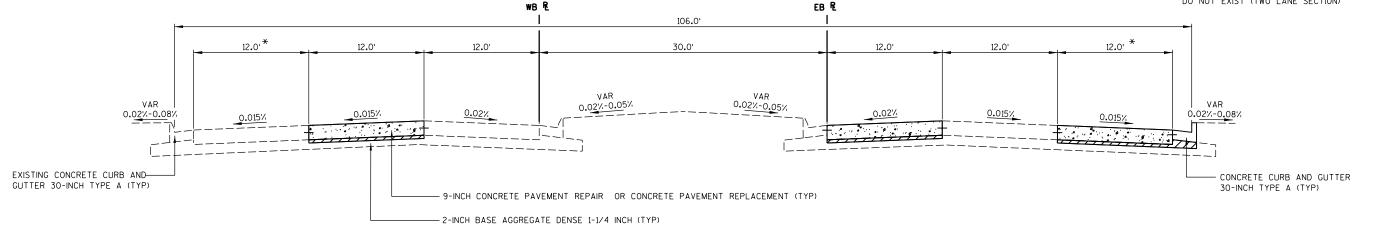
LEFT TURN LANE
USH 12 (CLAIREMONT AVENUE)

PROJECT NO:7090-01-61 HWY:USH 12 COUNTY:EAU CLAIRE TYPICAL SECTIONS SHEET **E**

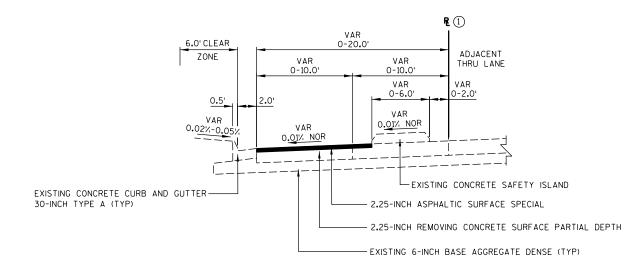
PLOT BY : SEH



* STA 107+10 'EB' TO STA 118+45 'EB' OUTER LANES DO NOT EXIST (TWO LANE SECTION)



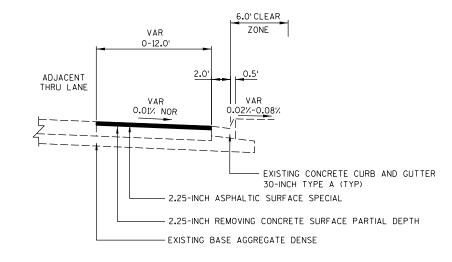
NOTE: LOCATIONS OF REPAIRS & REPLACEMENTS VARY

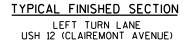


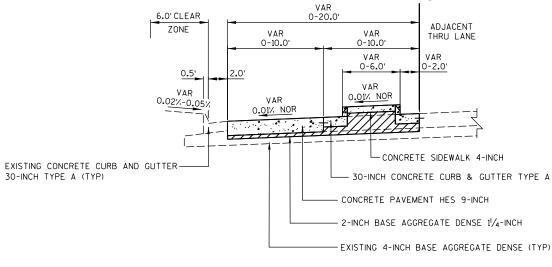
TYPICAL FINISHED SECTION

USH 12 (CLAIREMONT AVENUE) STA 107+10'EB' TO STA 244+17'EB'

(1) USH 12 EB LOOKING EAST OR WB LOOKING WEST







R (1)

TYPICAL FINSHED SECTION

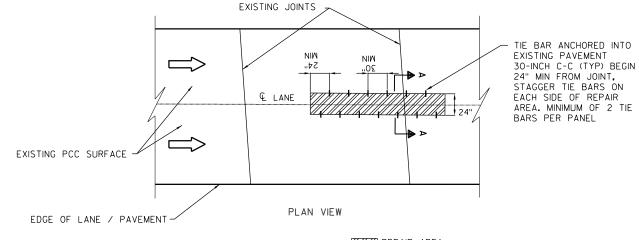
RIGHT TURN LANE USH 12 (CLAIREMONT AVENUE)

TYPICAL FINISHED SECTION

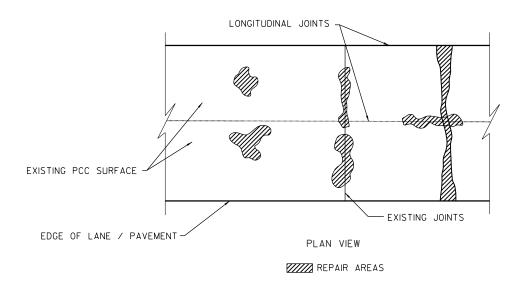
LEFT TURN LANE USH 12 (CLAIREMONT AVENUE)

PROJECT NO: 7090-01-61 SHEET HWY: USH 12 COUNTY: EAU CLAIRE TYPICAL SECTIONS

30-INCH TYPE A (TYP)



REPAIR AREA

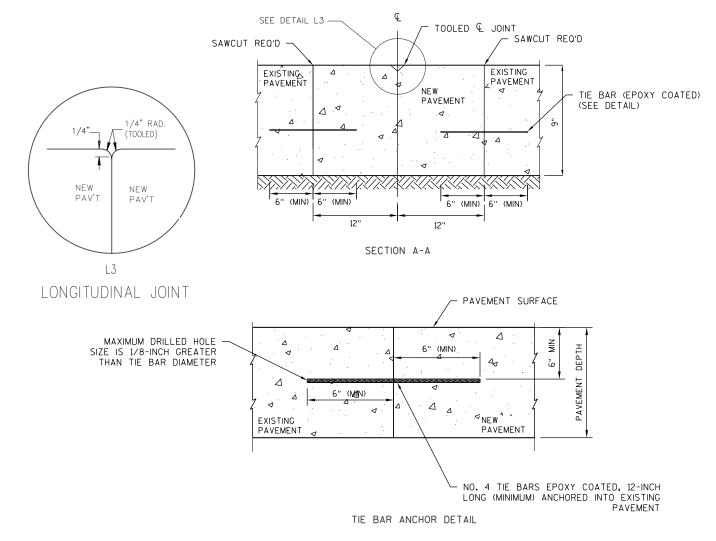


PREPARATION OF FOUNDATION FOR ASPHALT PAVING SPECIAL

CLEANING AND REPAIRING DISTRESSED PCC AREAS

NOTES:

- AFTER EXISTING PAVEMENT IS GROUND TO DEPTH SPECIFIED ON TYPICAL SECTION REMOVE REMAINDER OF CRACKFILL, PATCHING AND UNSOUND PCC TO A MINIMUM DEPTH OF 4".
- $\begin{tabular}{ll} \hline $\bf 2$ & REPLACE AREAS WITH ASPHALTIC SURFACE PATCHING PAID SEPARATELY FROM THIS ITEM. \\ \hline \end{tabular}$



CONCRETE PAVEMENT CENTERLINE JOINT REPAIR

NOTES:

WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY. DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6-INCHES AND TO SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT. PAID FOR AS CONCRETE PAVEMENT CENTERLINE JOINT REPAIR.

PROJECT NO: 7090-01-61

HWY: USH 12

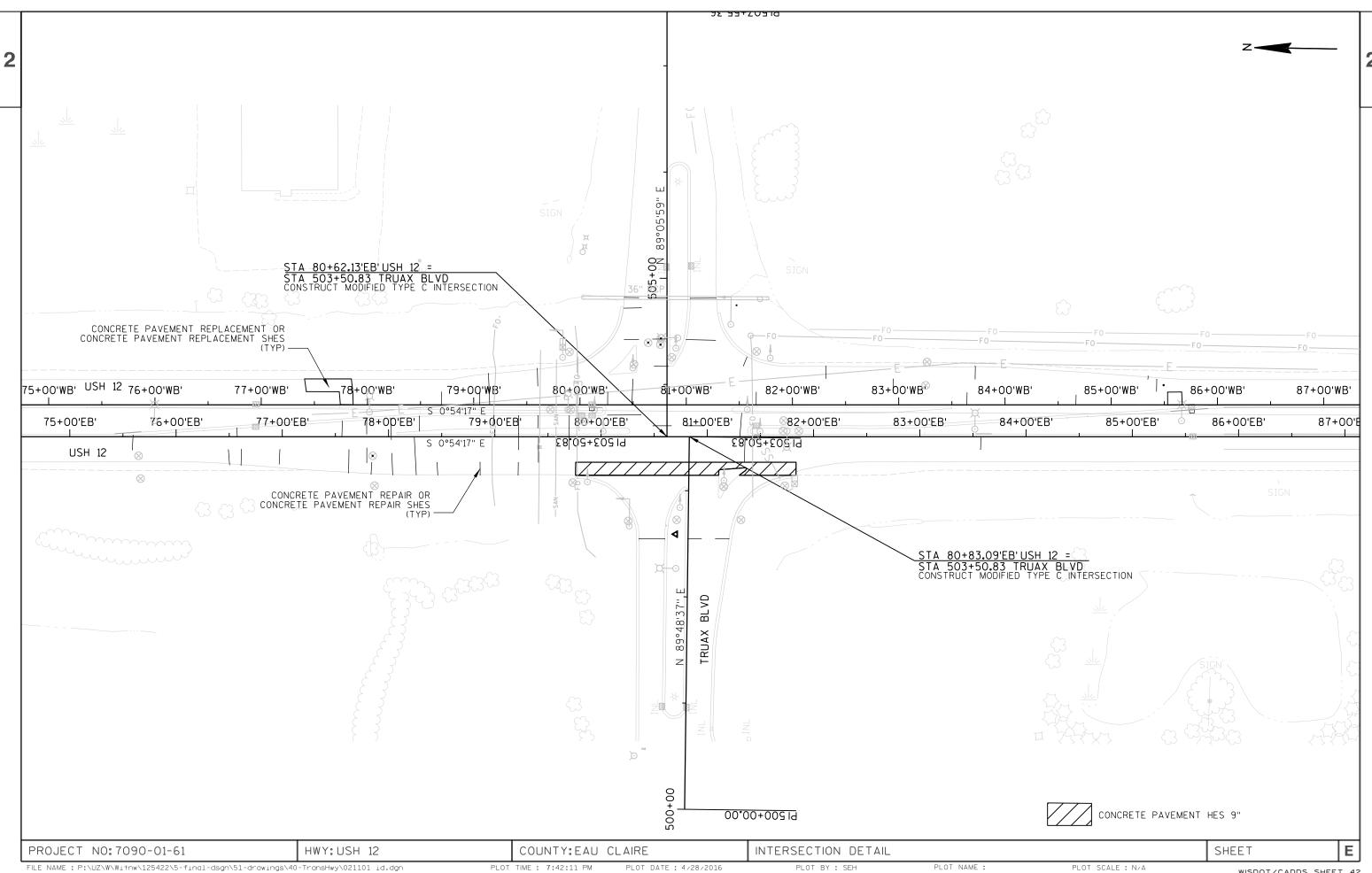
COUNTY: EAU CLAIRE

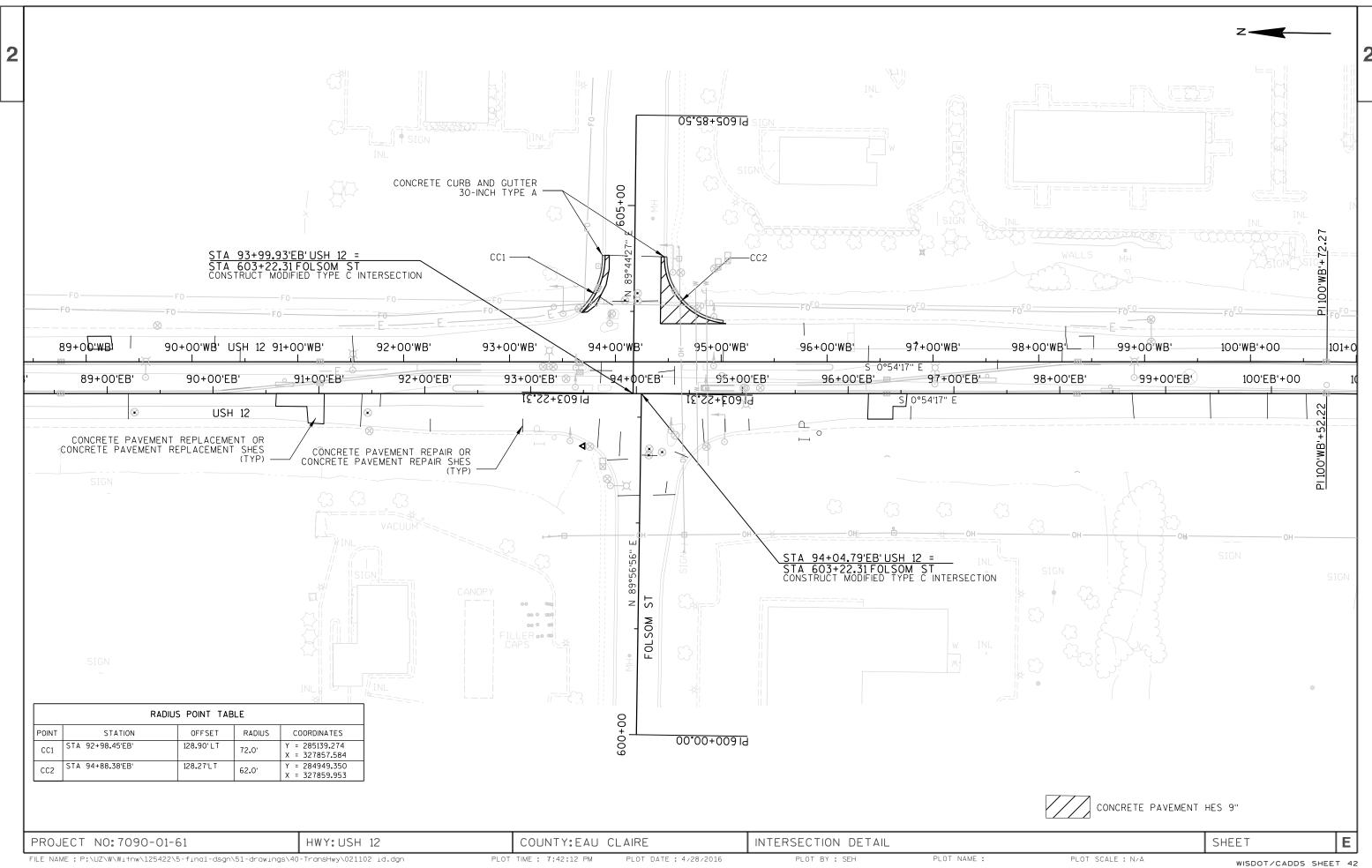
CONSTRUCTION DETAILS

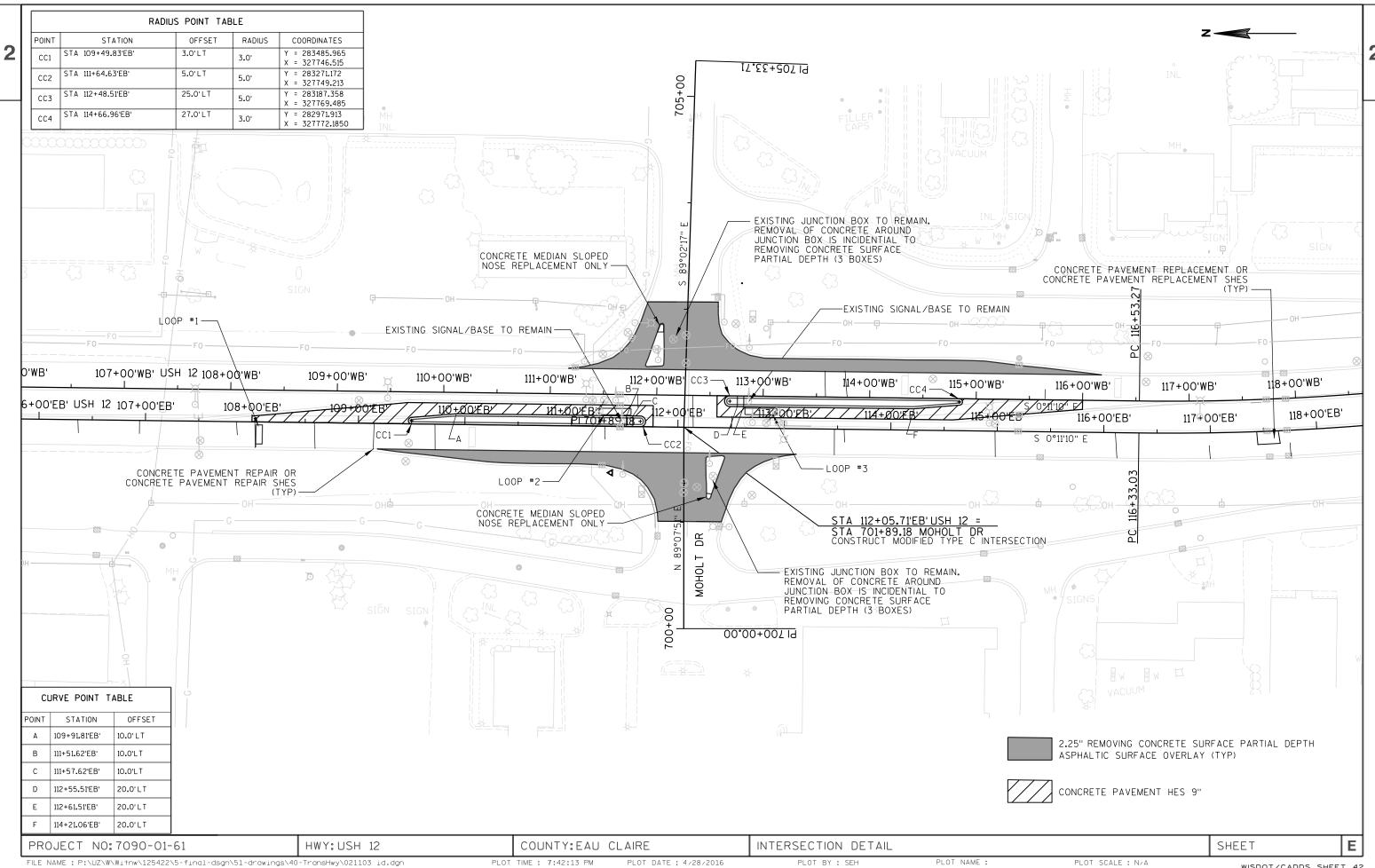
PLOT NAME :

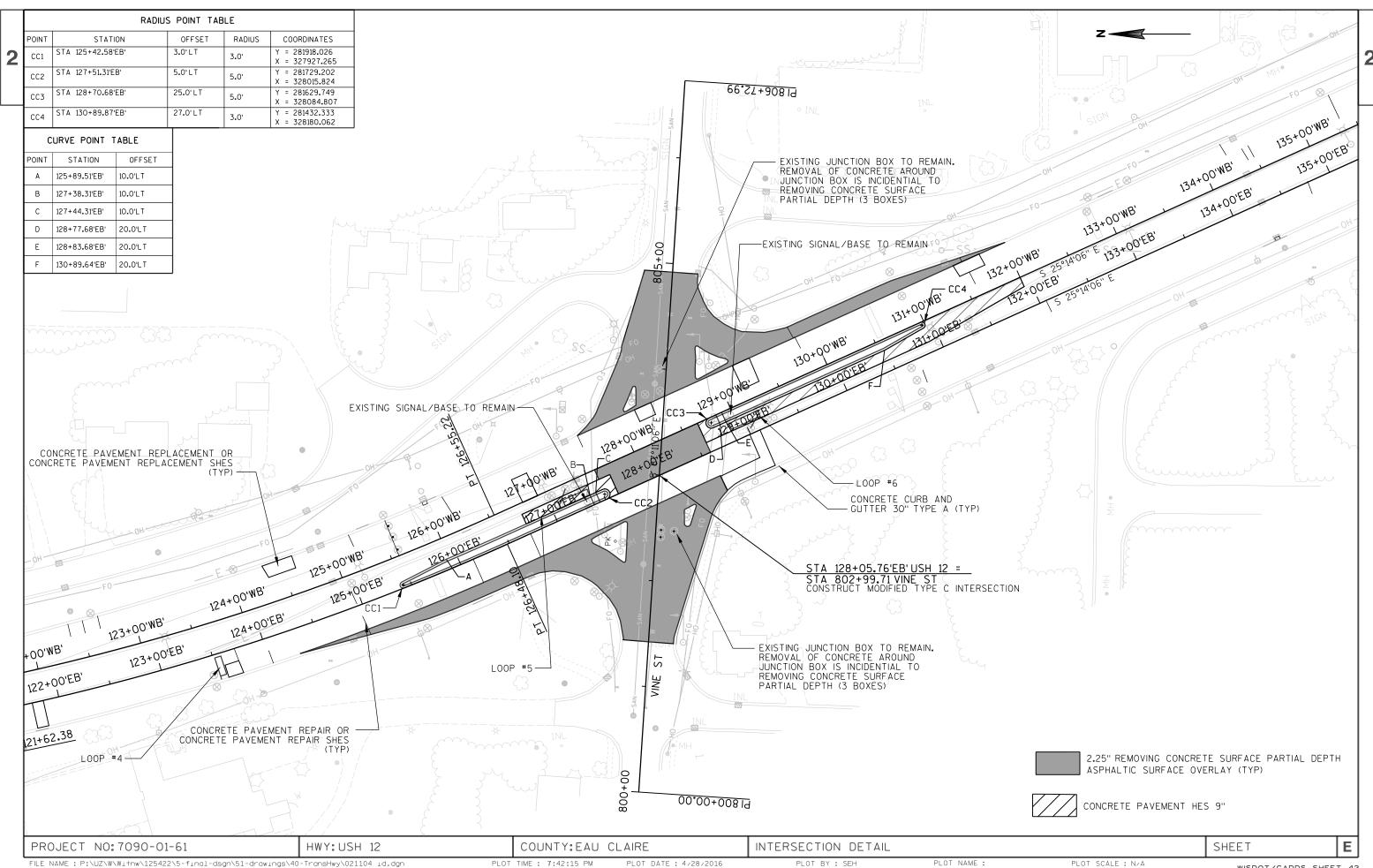
SHEET

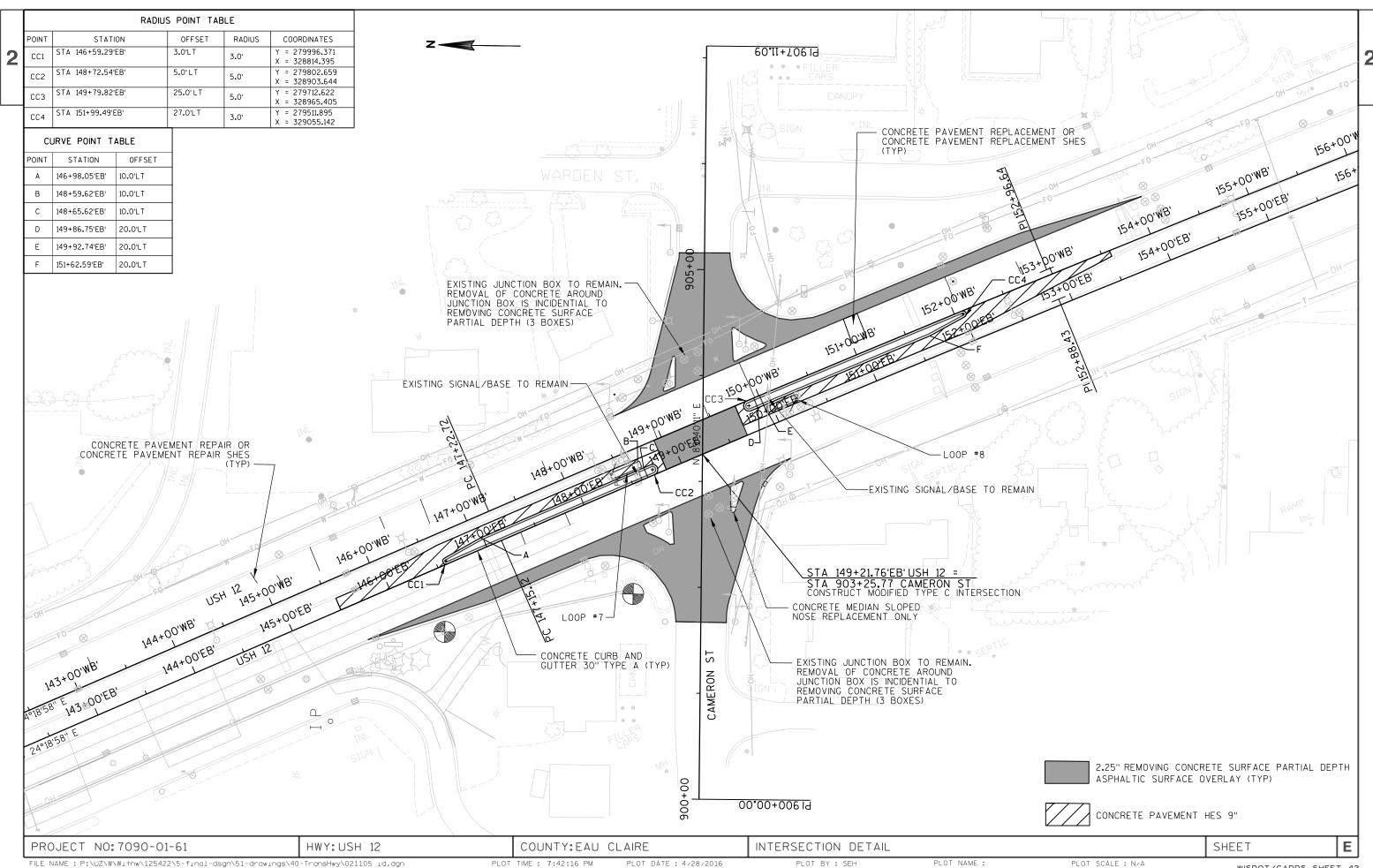
Ε

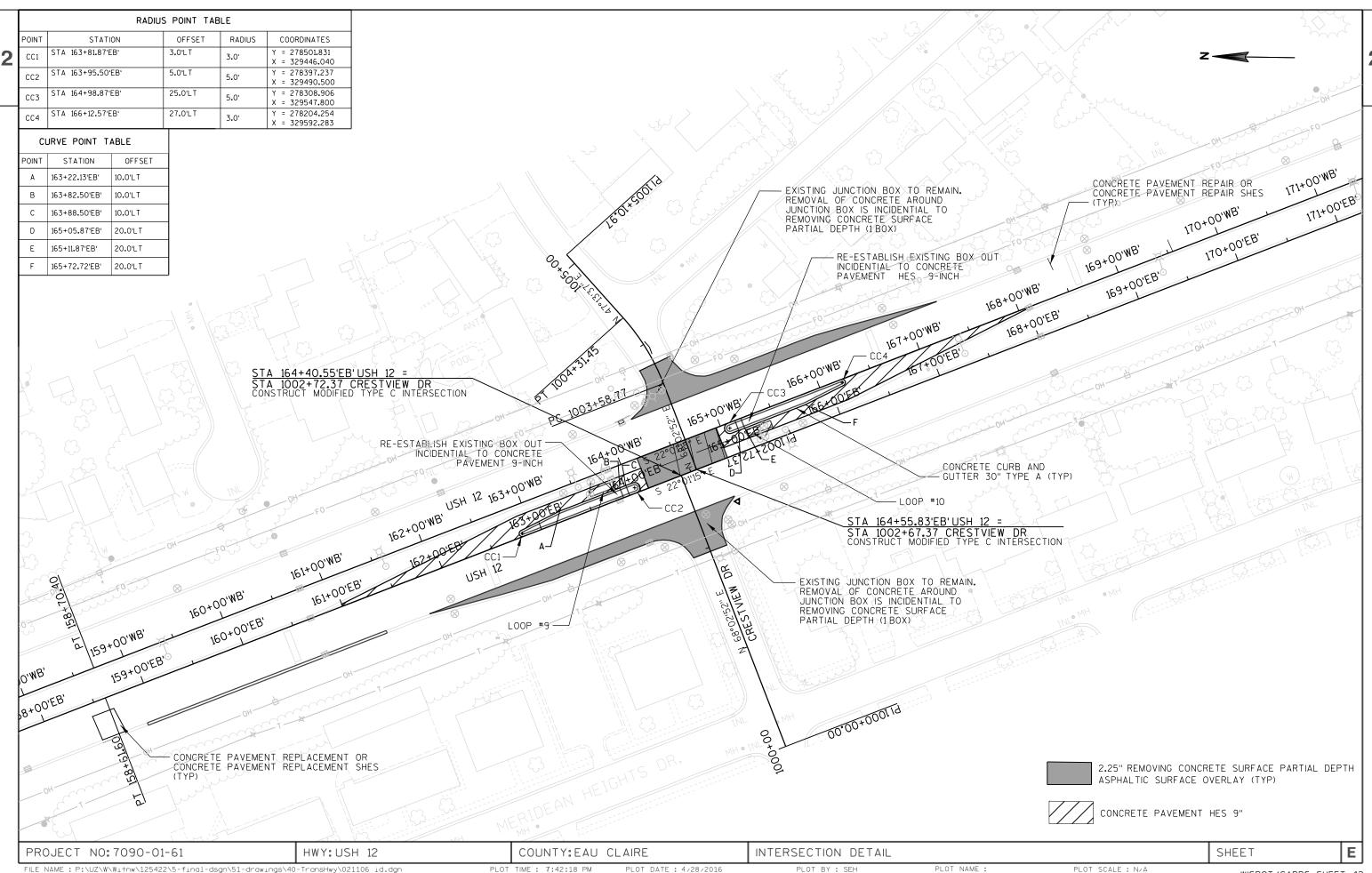


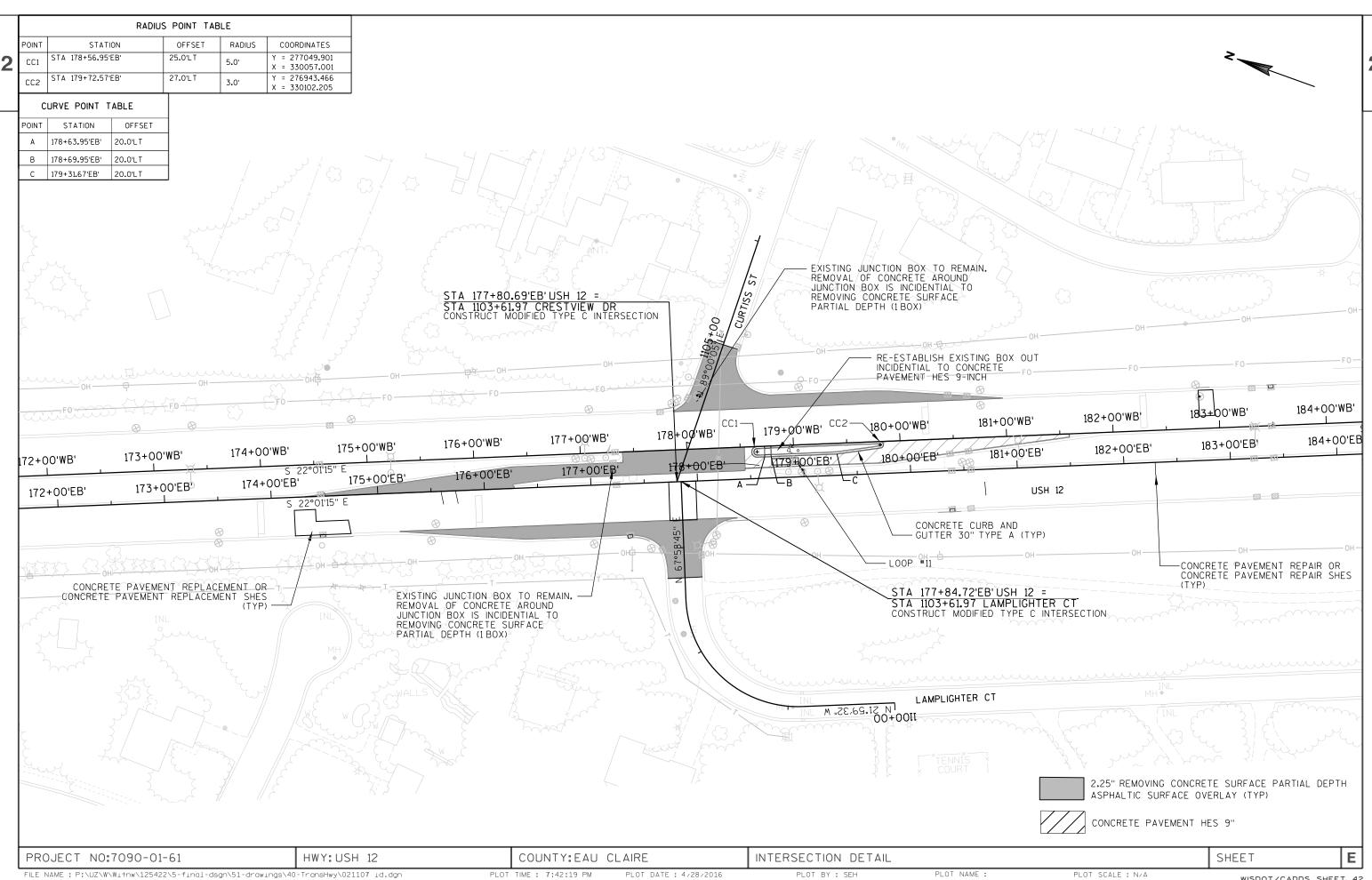


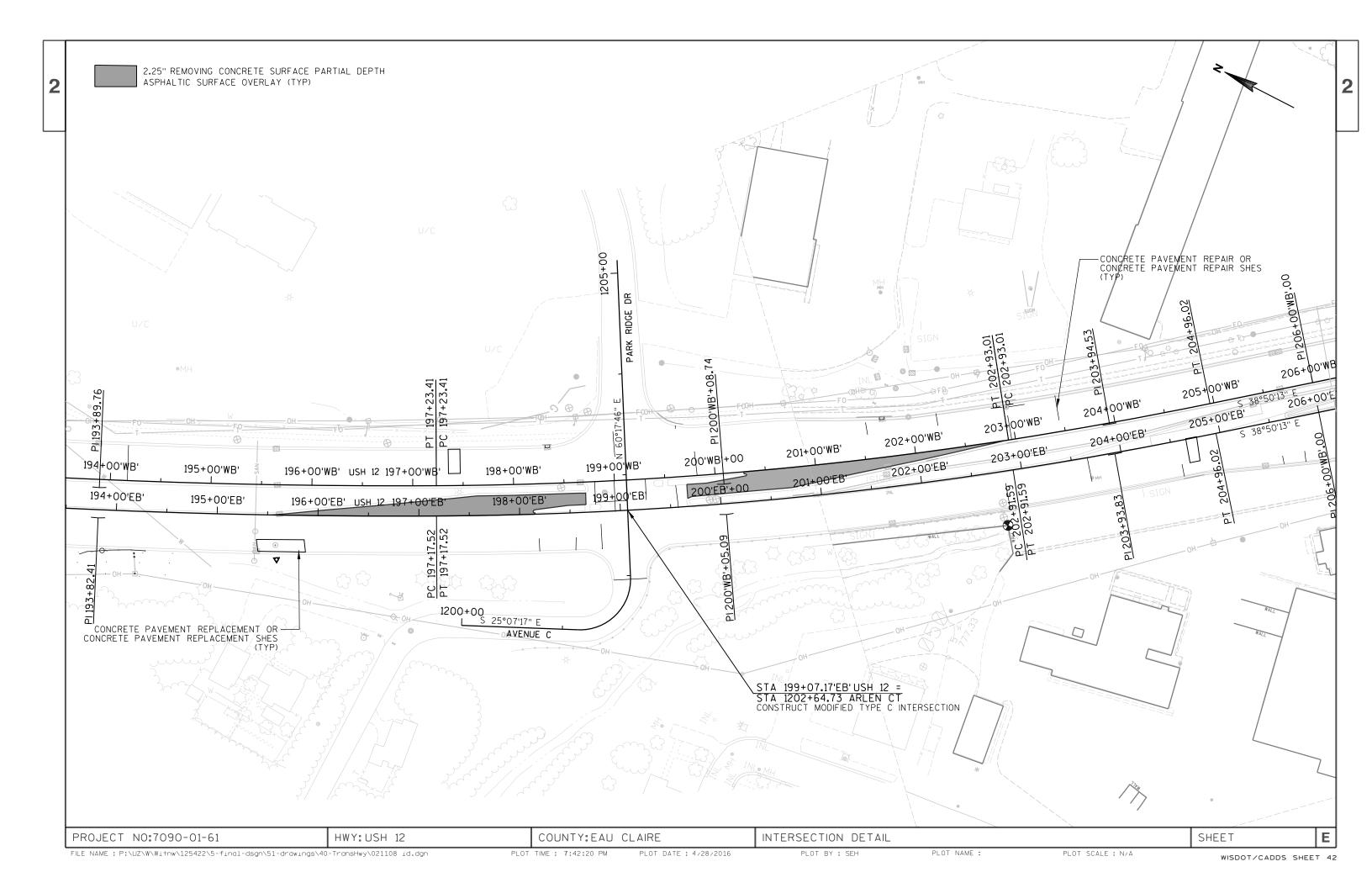


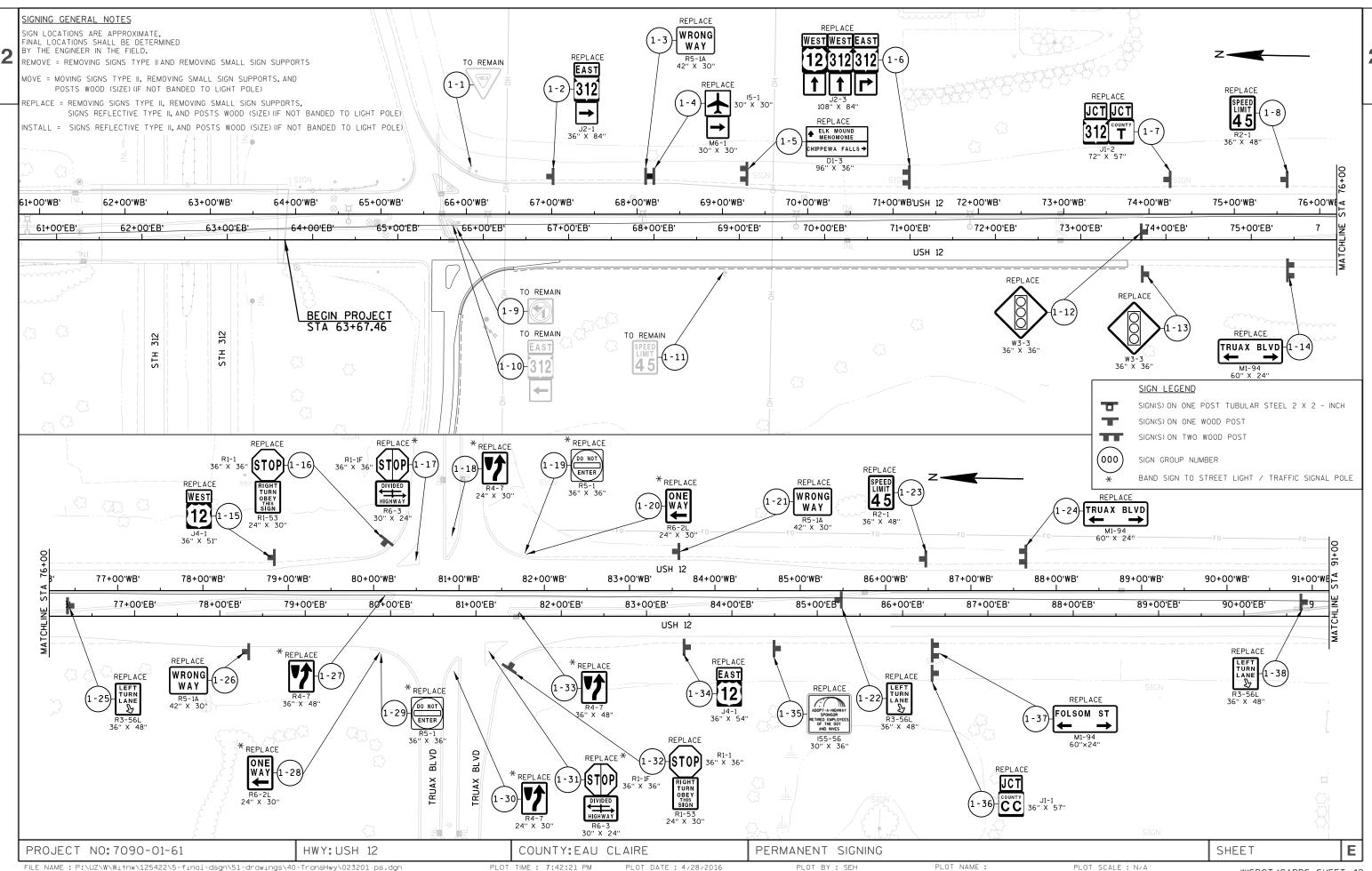


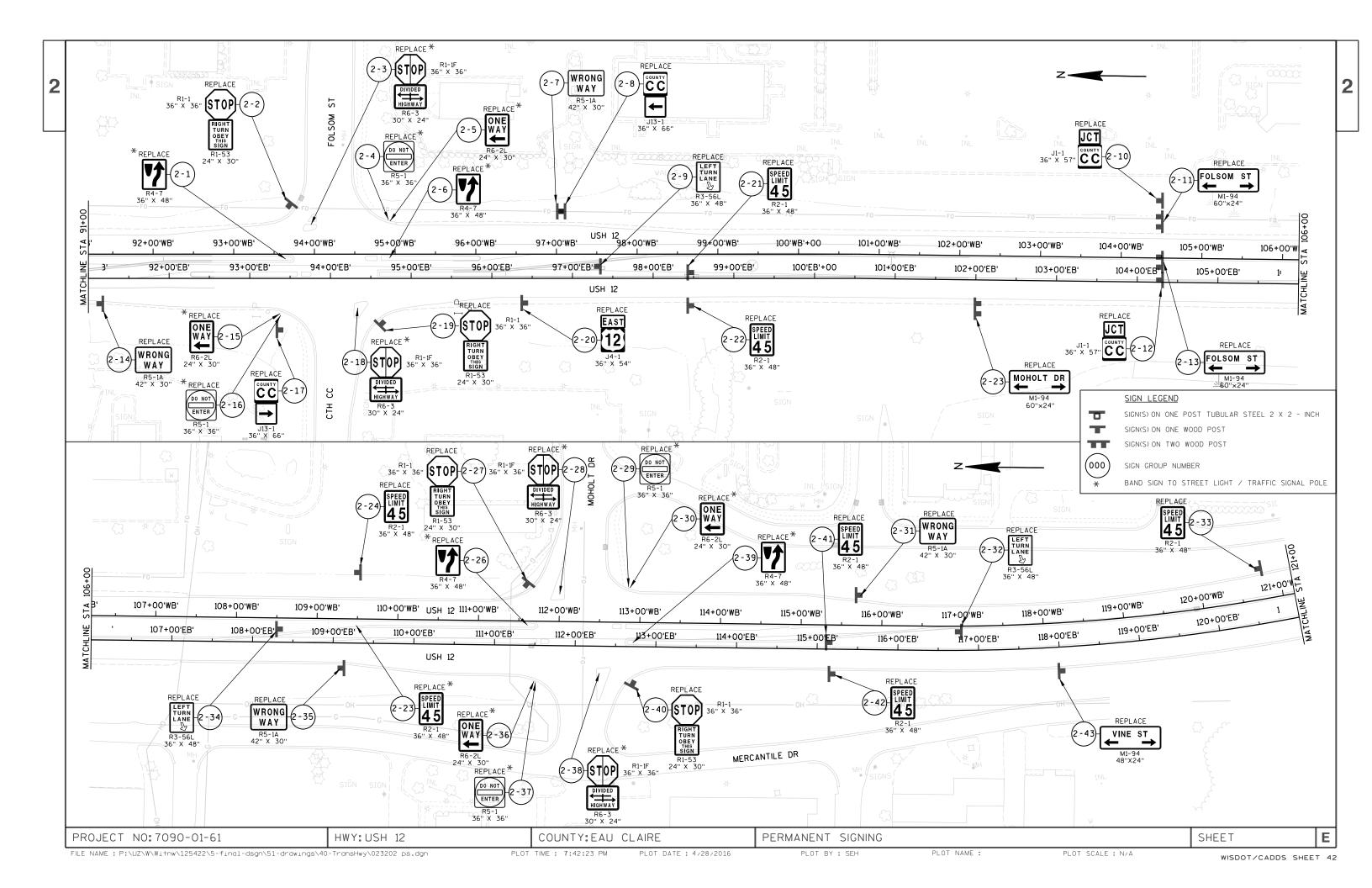


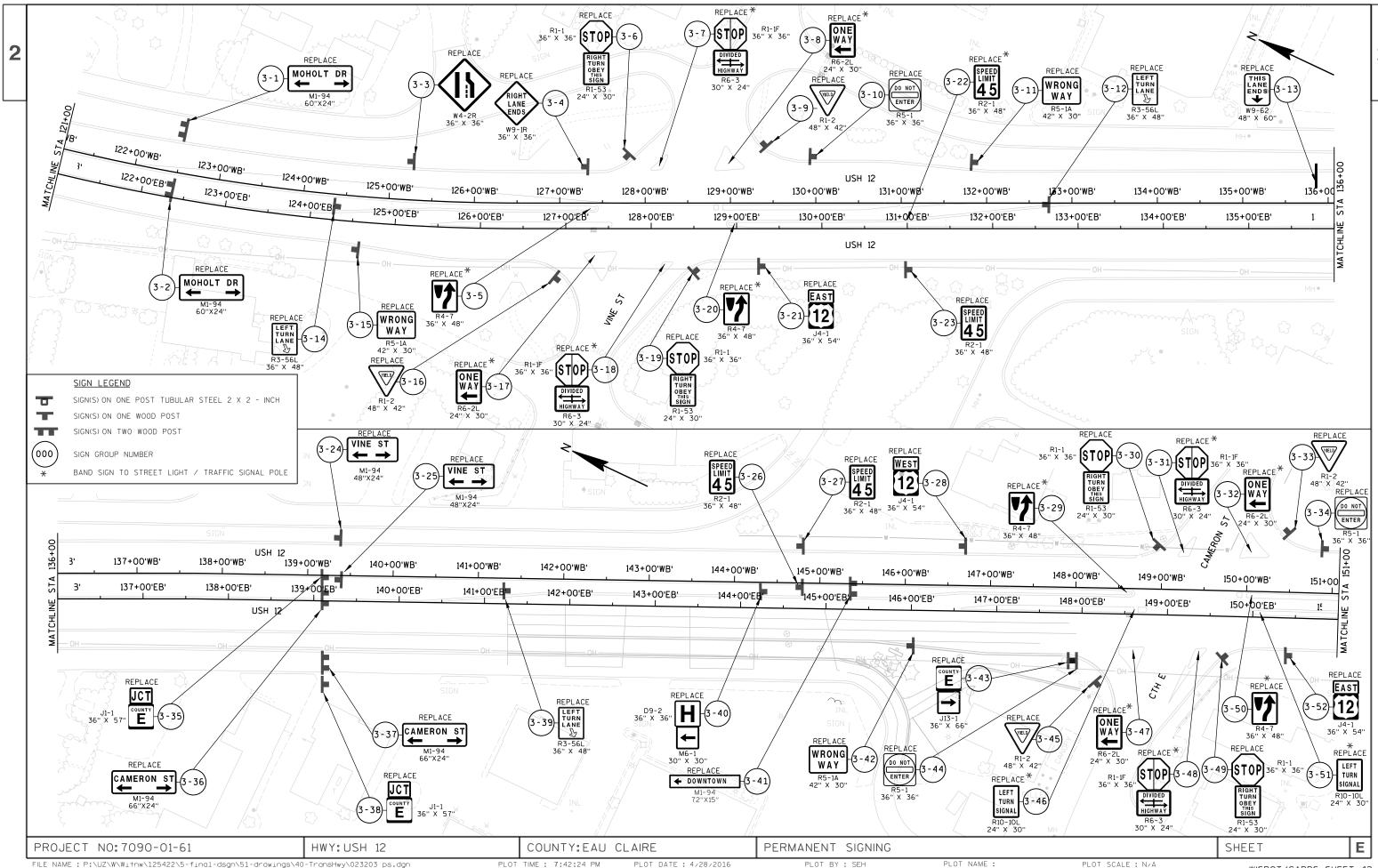


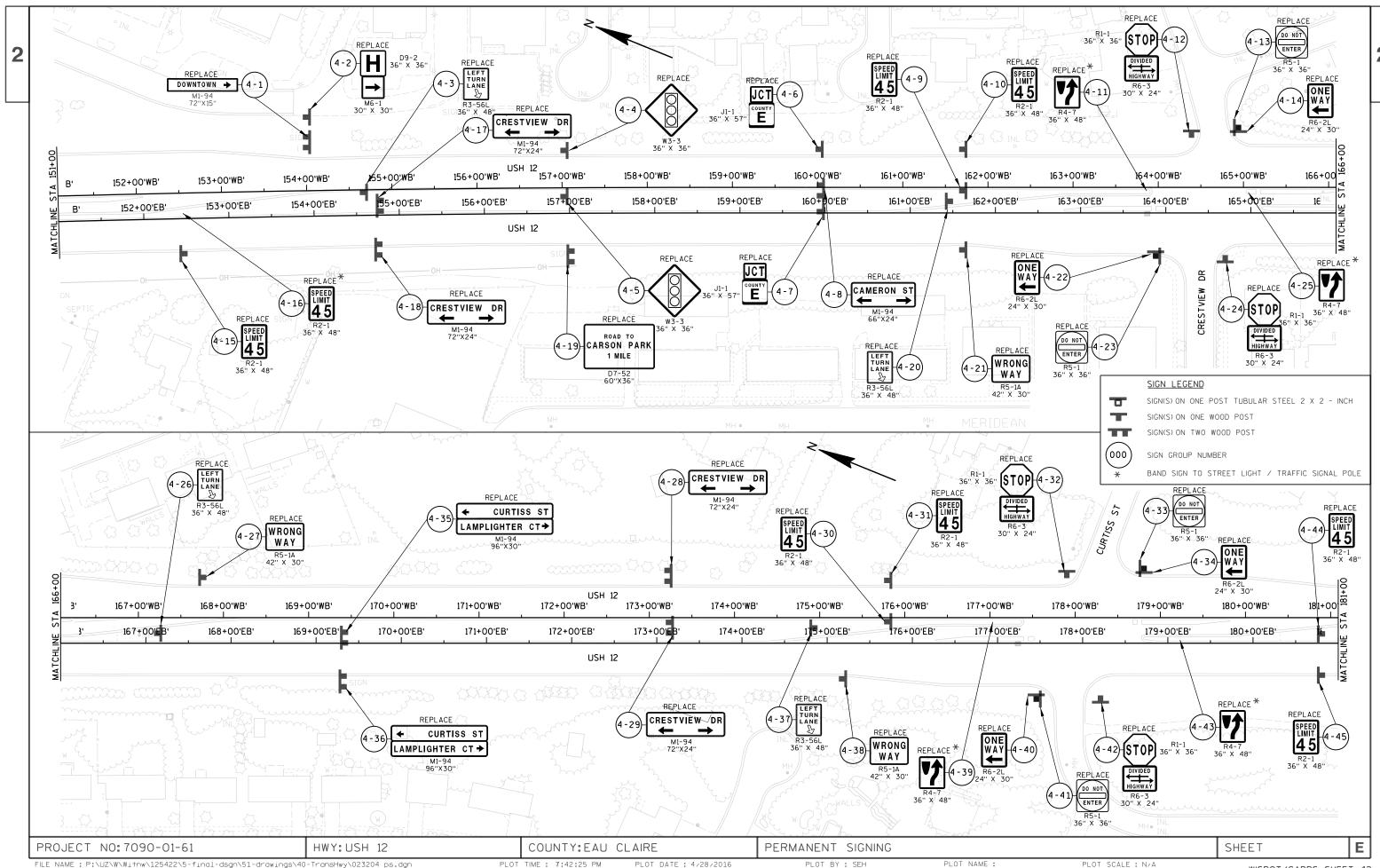


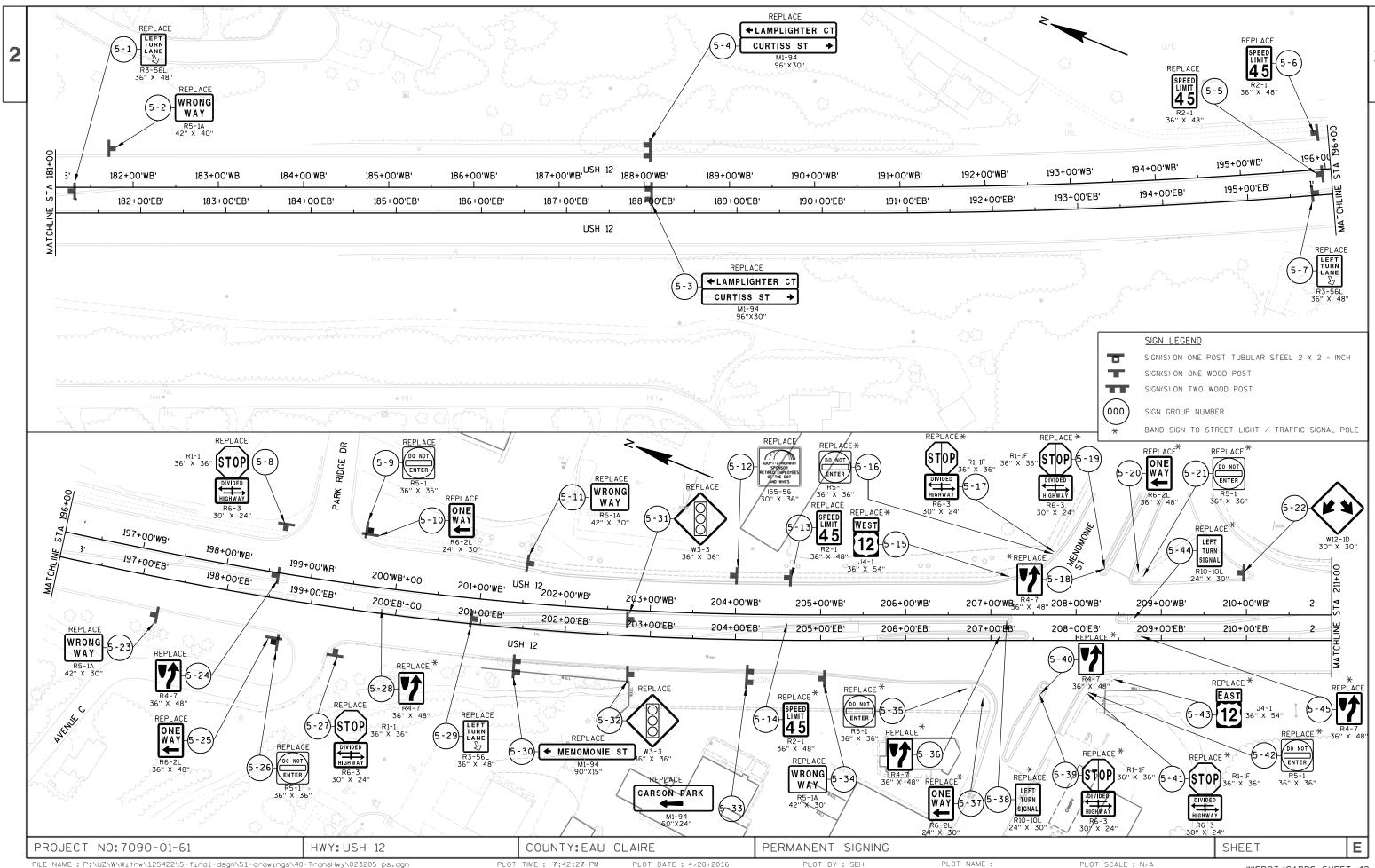


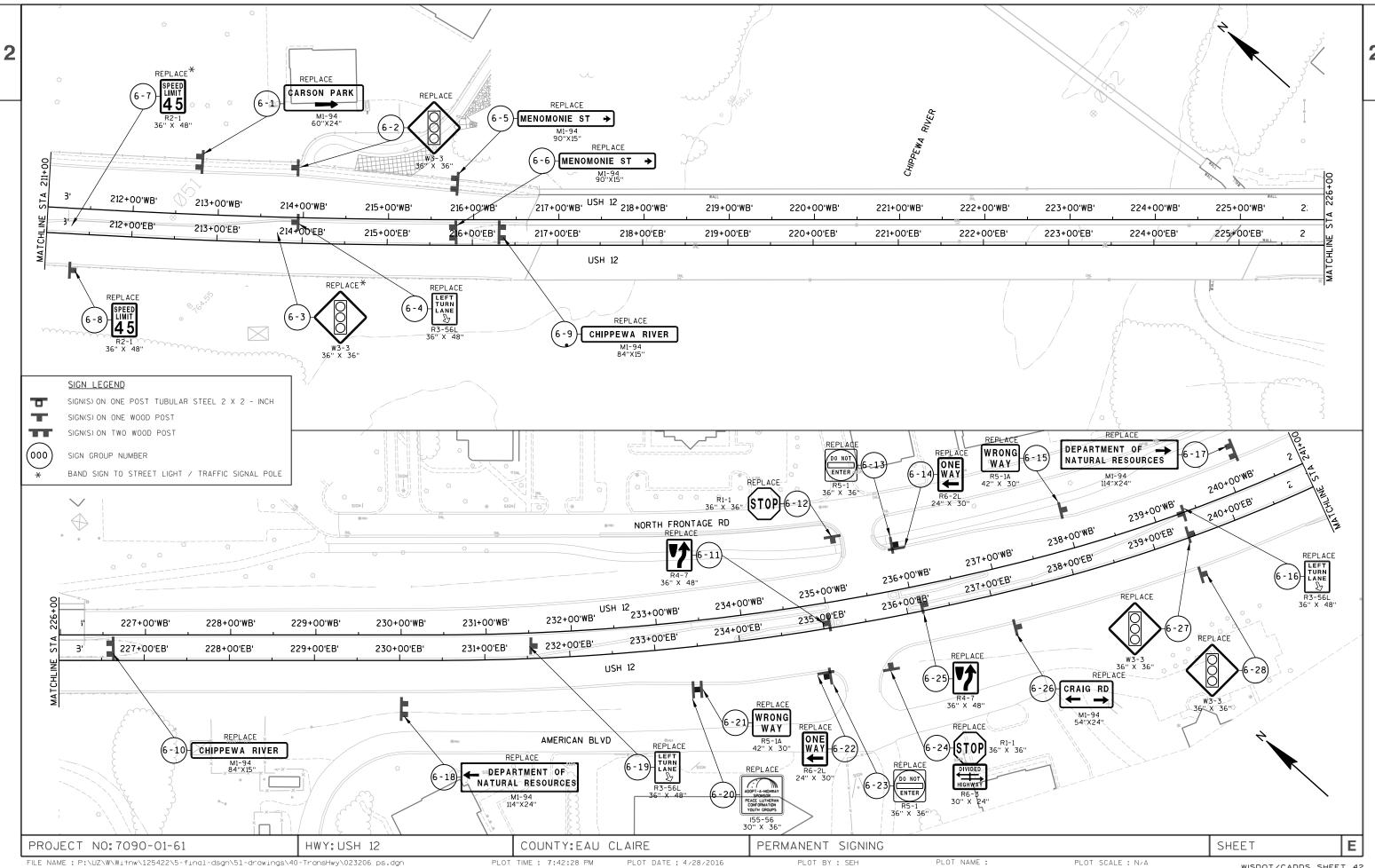


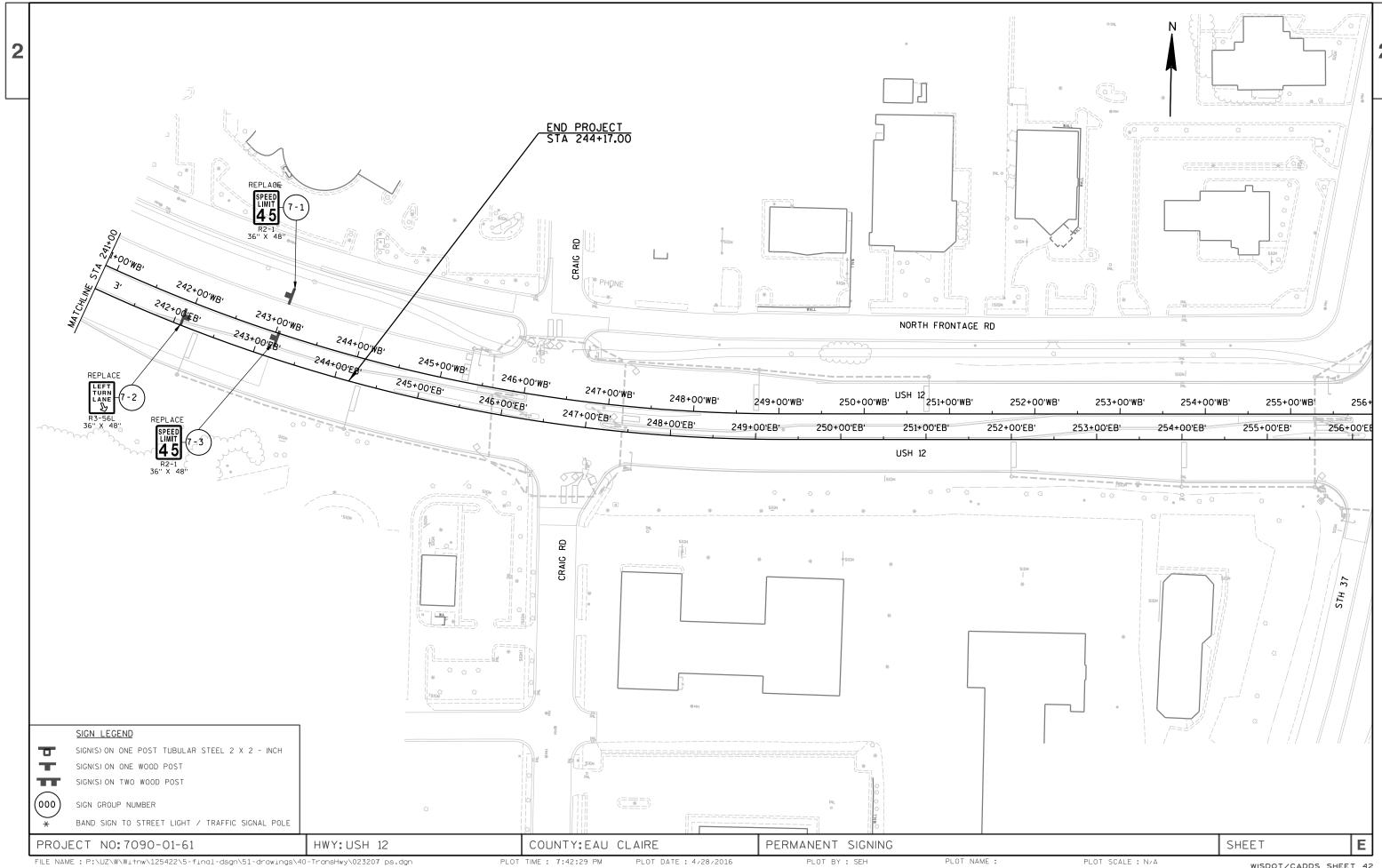


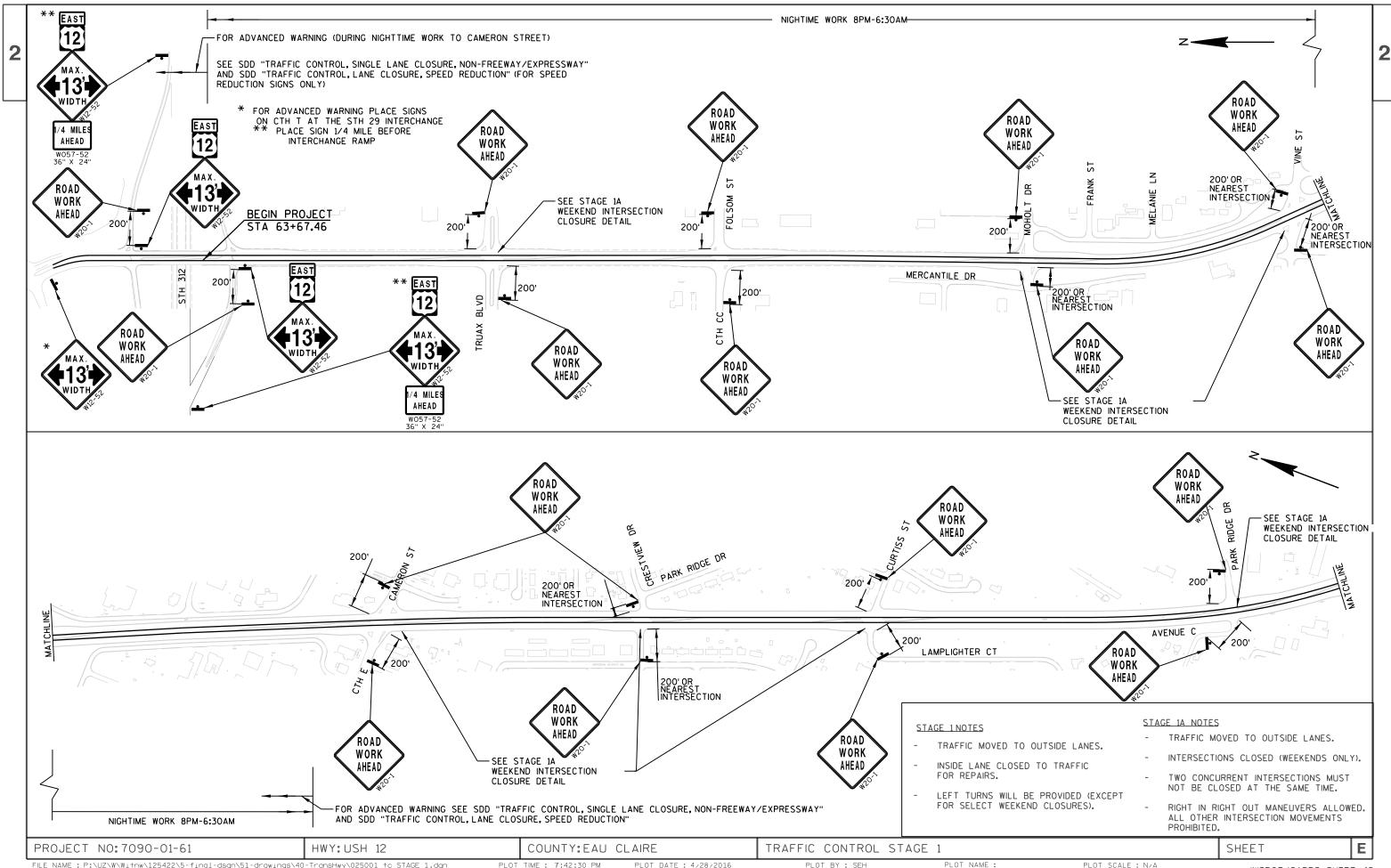


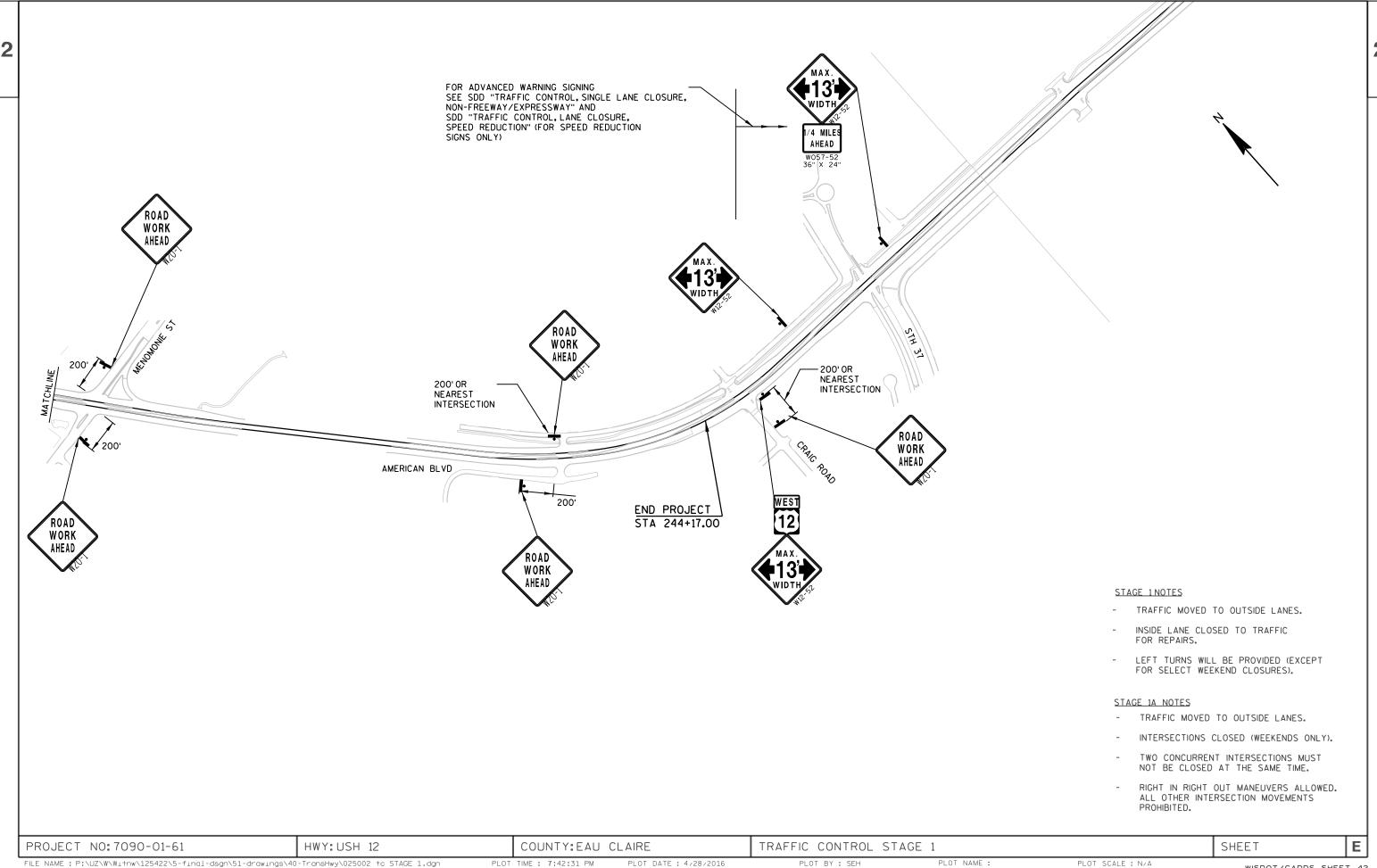










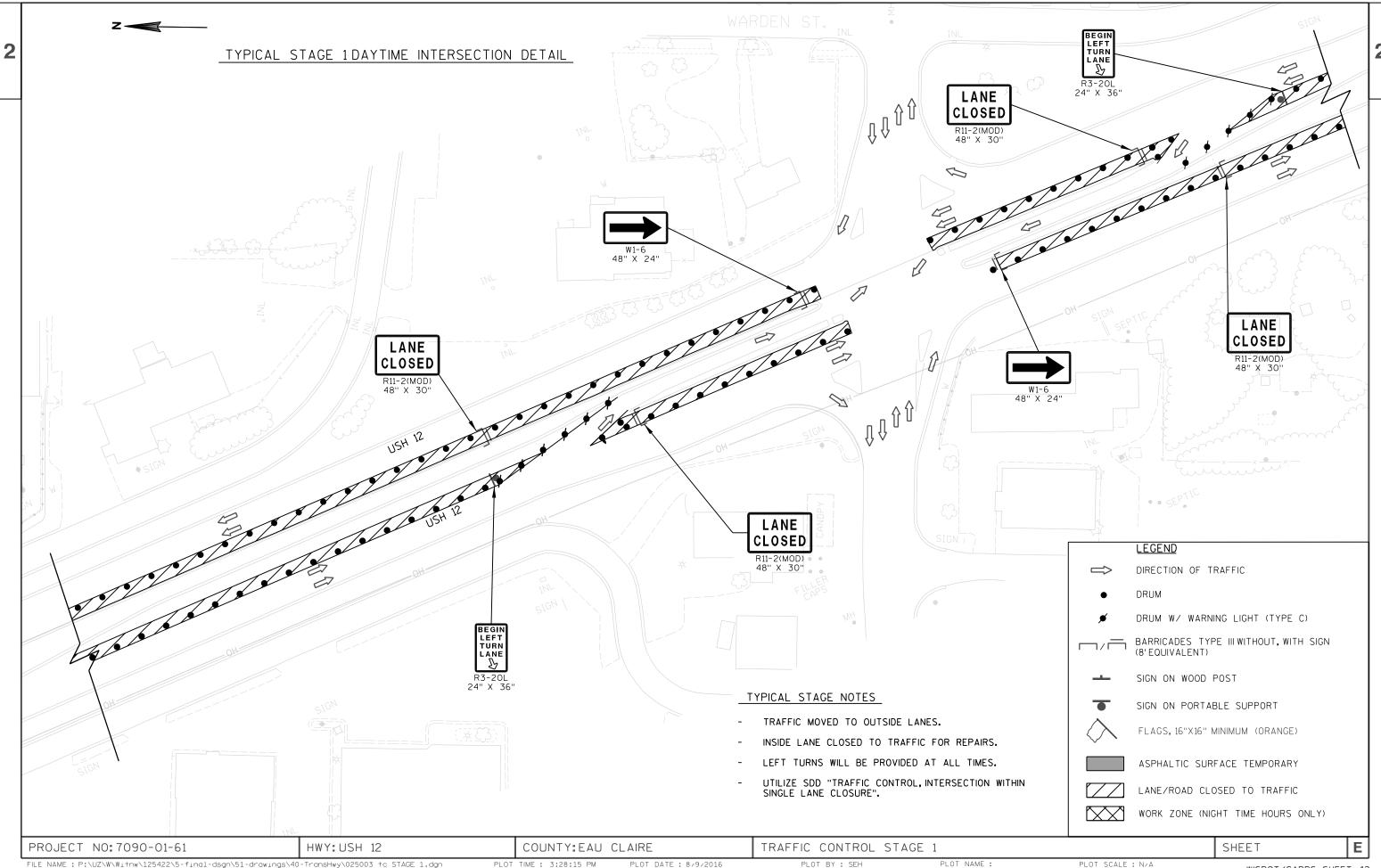


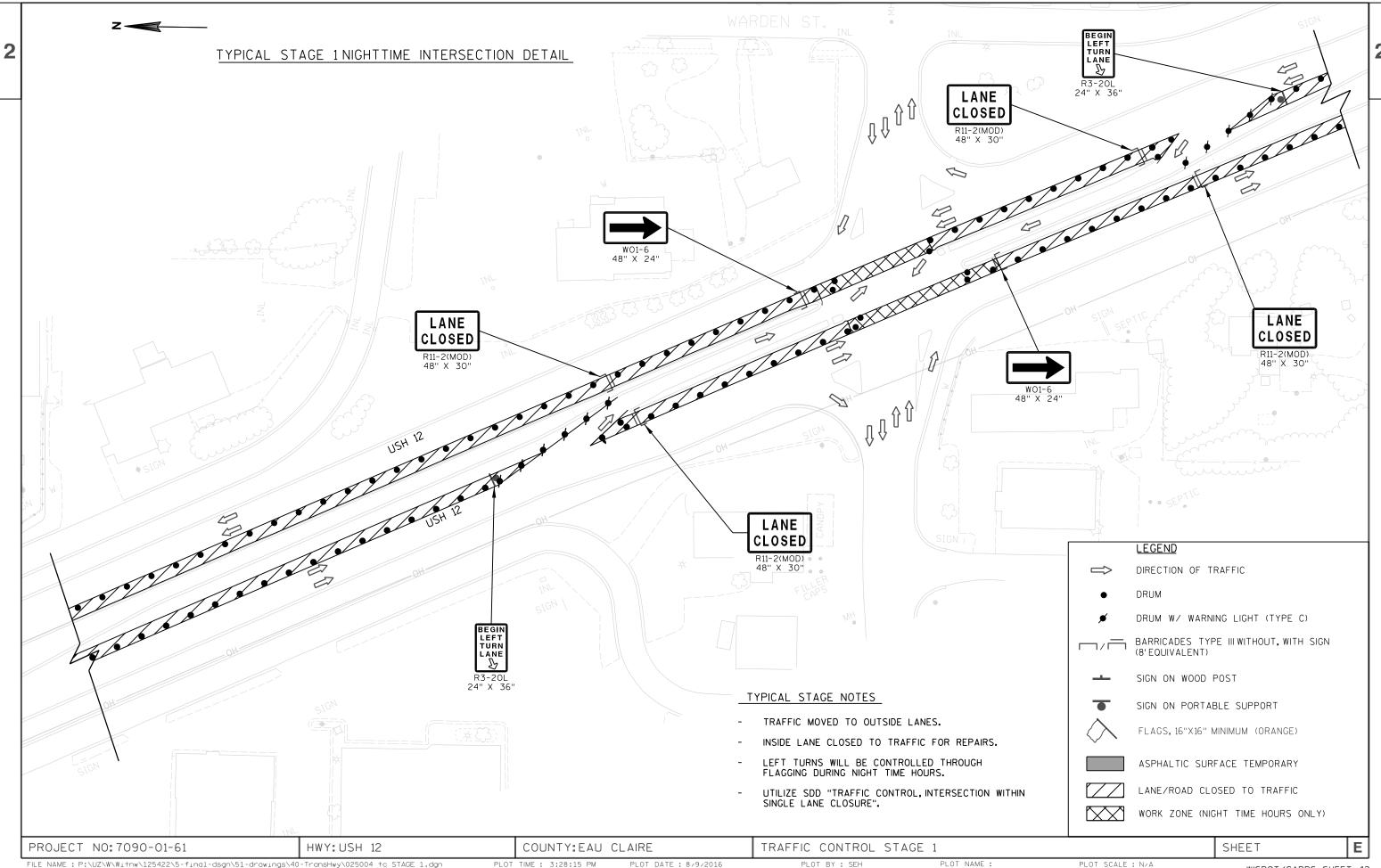
 $\textit{FILE NAME: P:\UZ\W\Withux\125422\5-final-dsgn\51-drawings\40-TransHwy\025002 tc STAGE 1.dgn } \\$

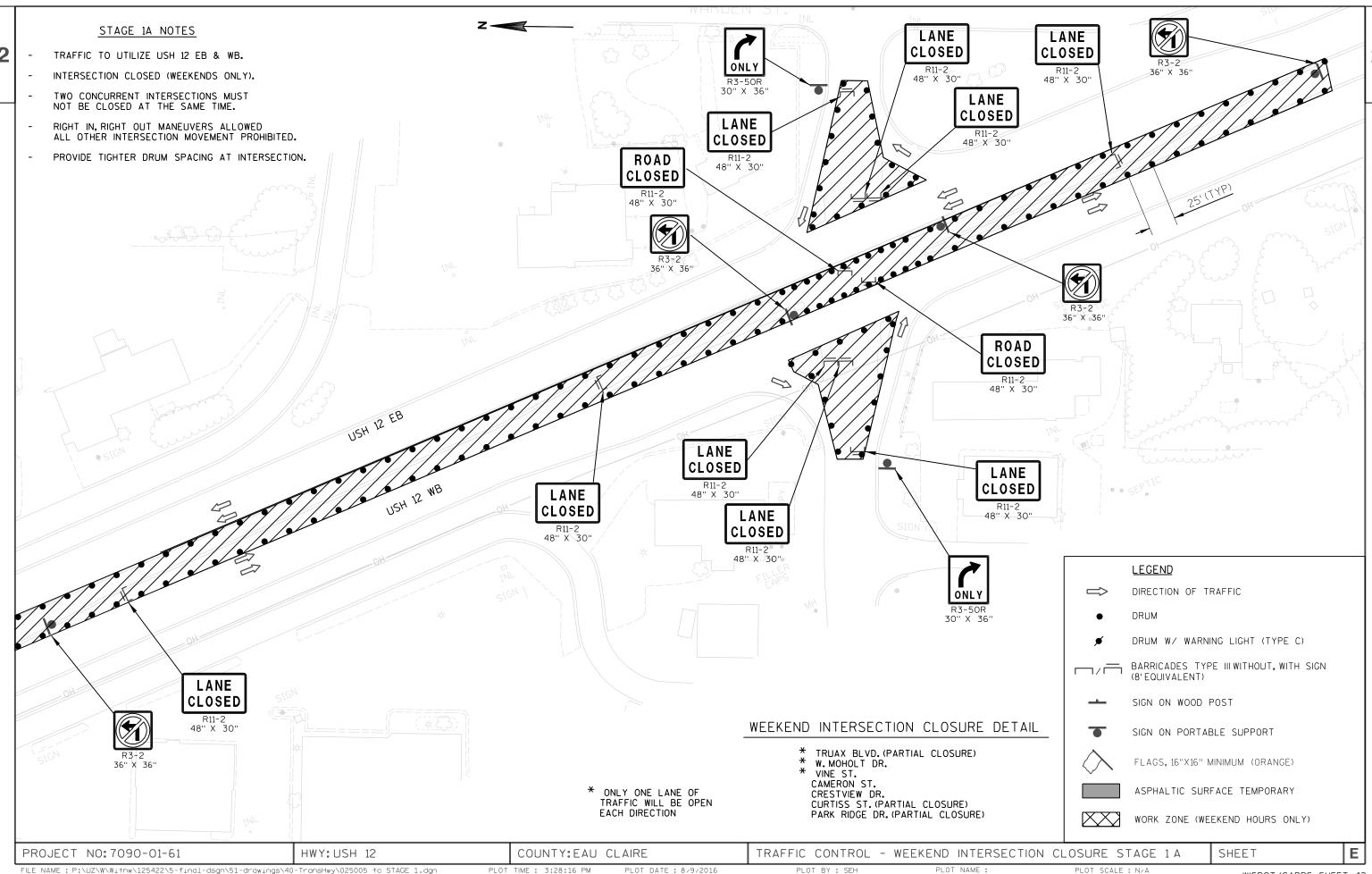
PLOT TIME: 7:42:31 PM

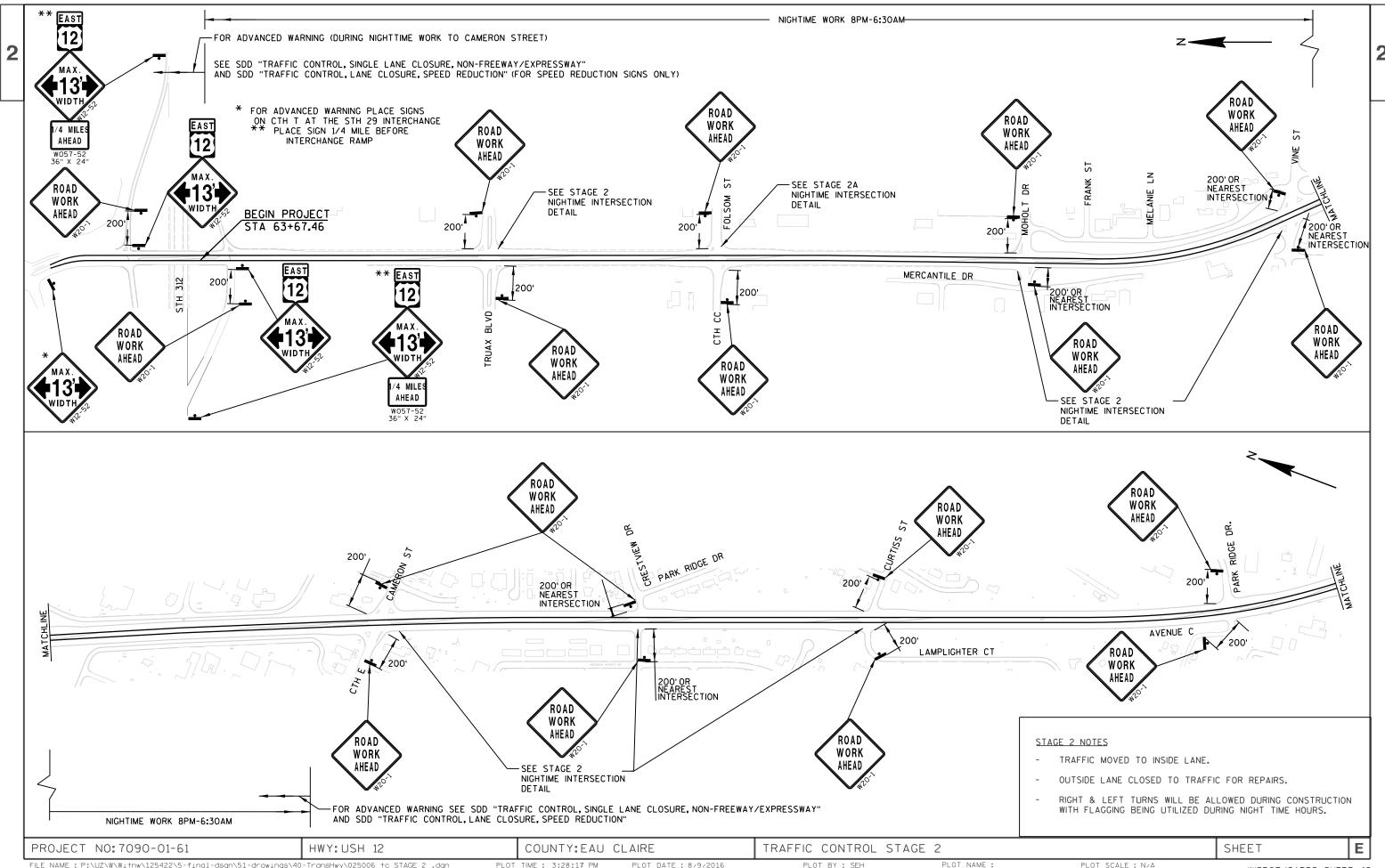
PLOT SCALE : N/A

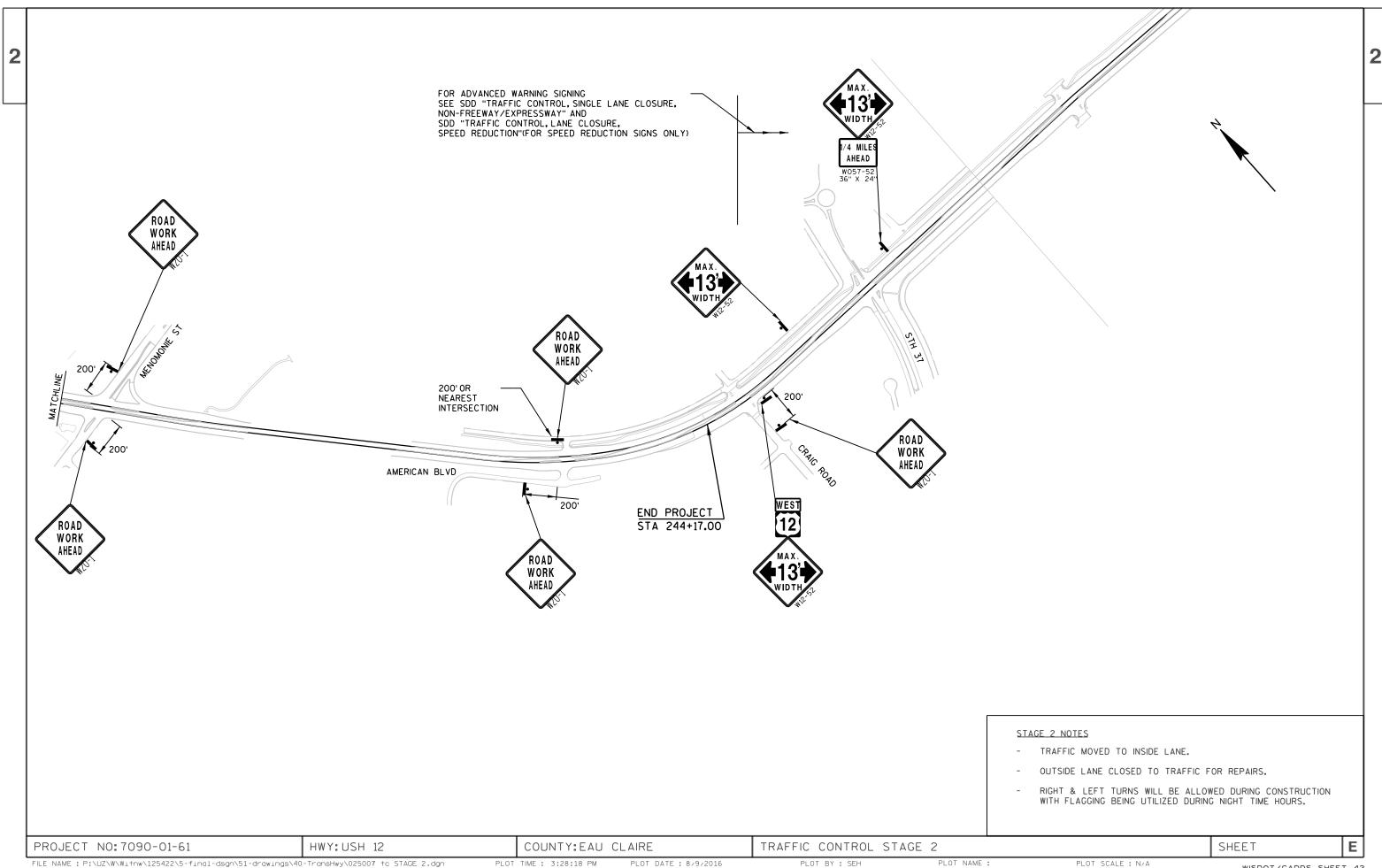
WISDOT/CADDS SHEET 42

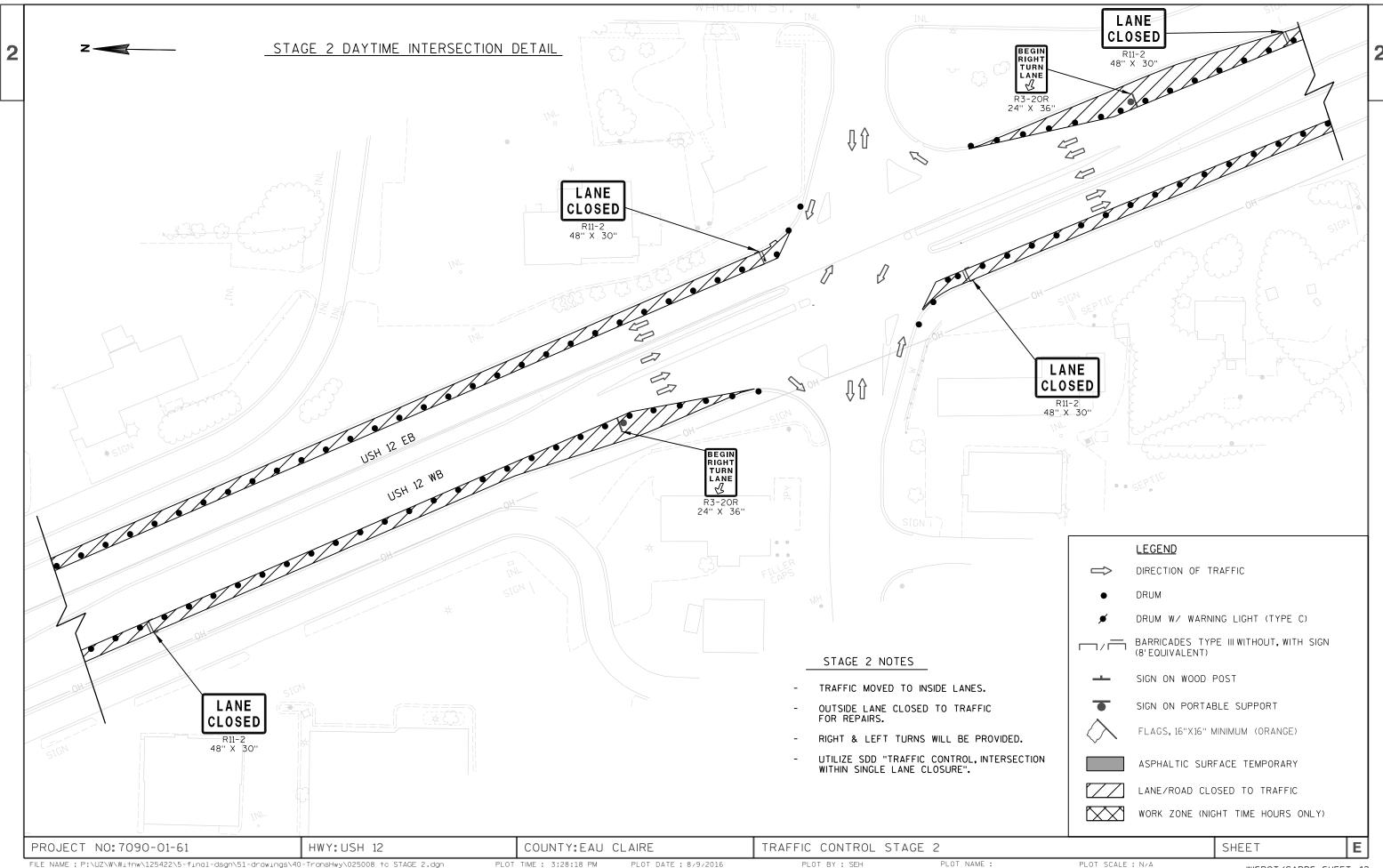


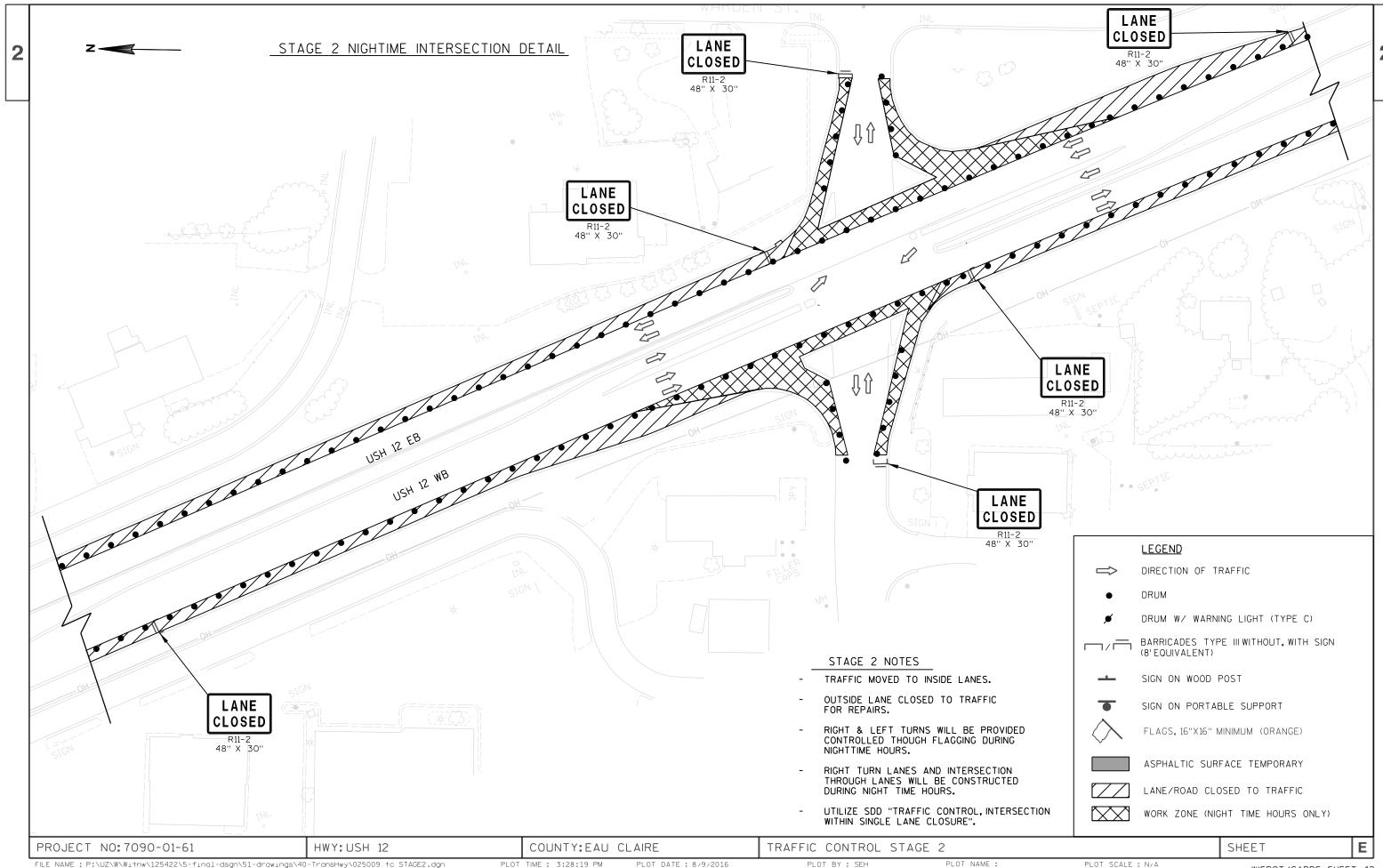


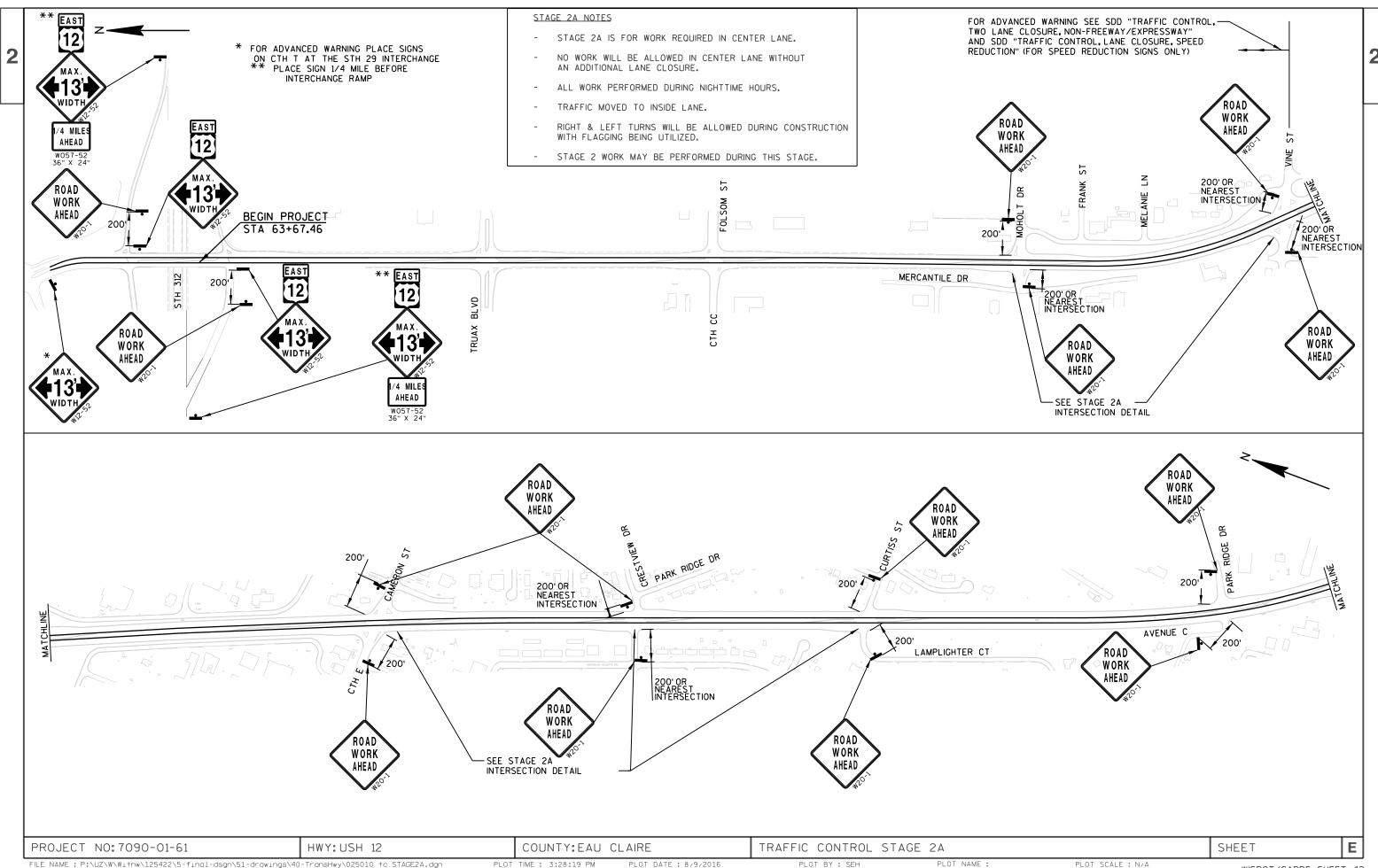


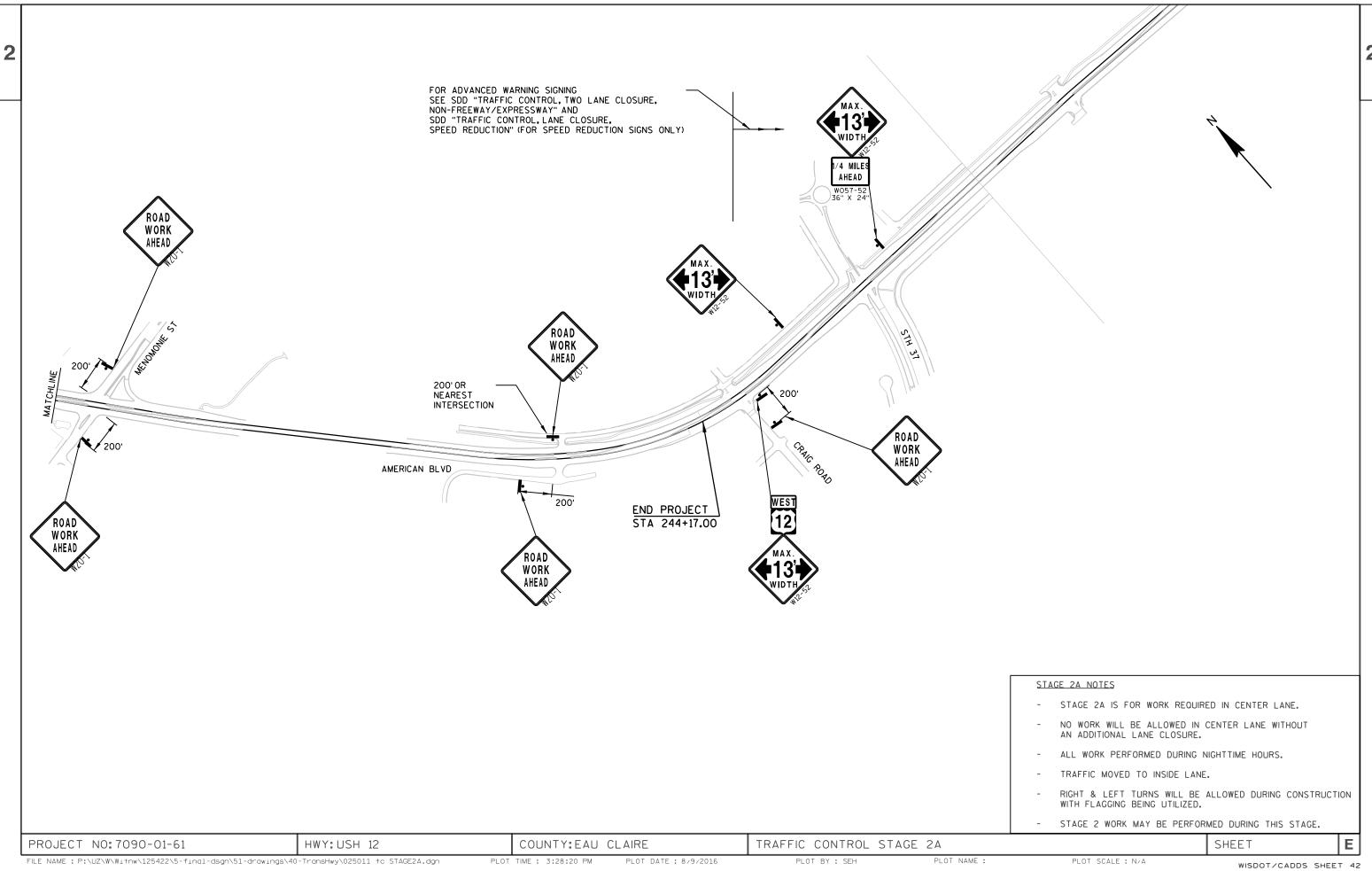


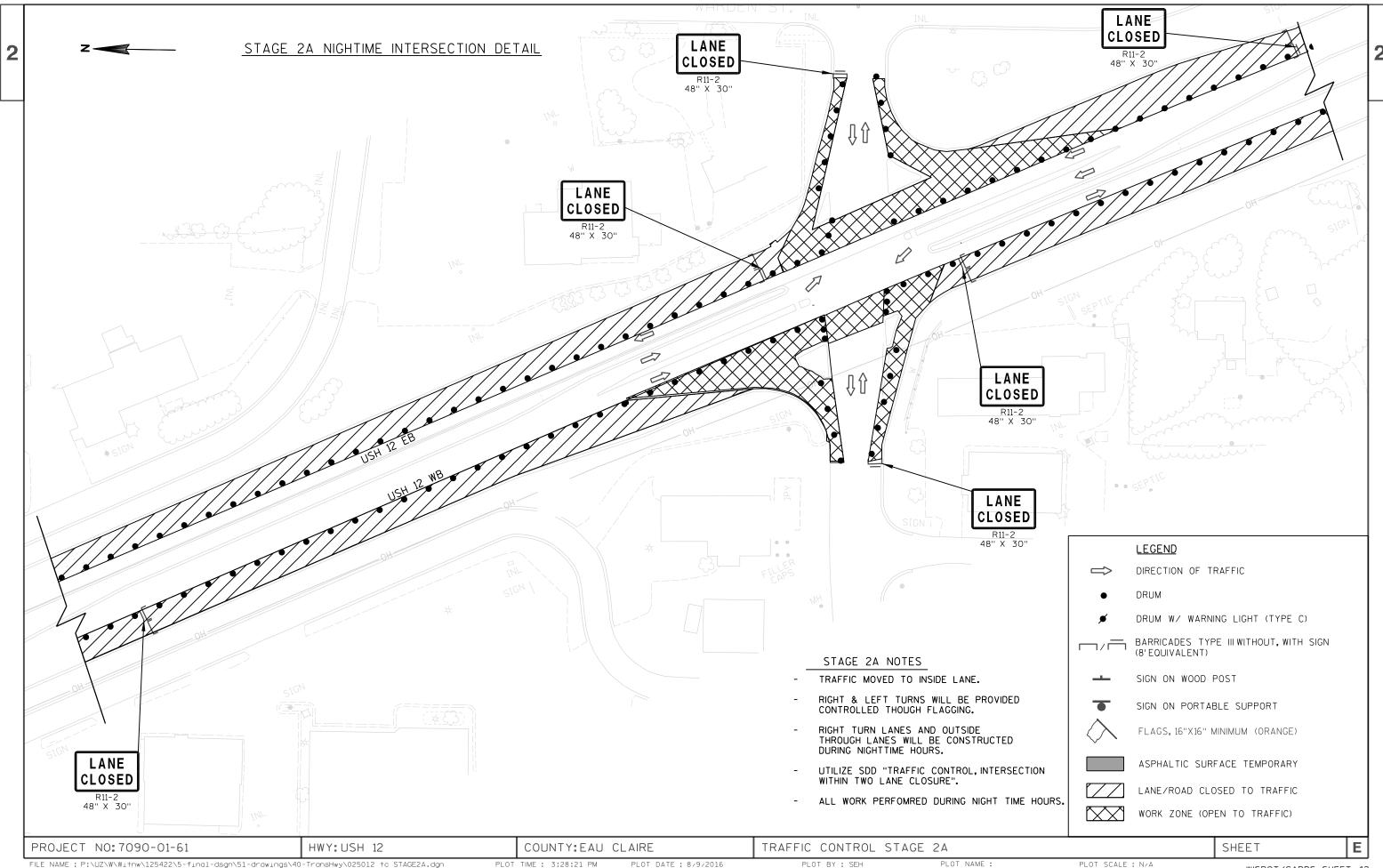












AUG16	E S T	IMAT	E O F Q U A N	TTTTES 7090-01-61
ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
204. 0100	Removing Pavement	SY	5, 820. 000	5, 820. 000
				107, 365. 000 5, 000. 000
204. 0120		LF		4, 674. 000
204. 0165	Removing Guardrail	LF	860.000	860. 000
204. 9165. S	Removing (item description) 01. Safety Island	SF	8, 450. 000	8, 450. 000
211. 0200	Prepare Foundation for Concrete	LS	1. 000	1. 000
213. 0100	Finishing Roadway (project) 01.	EACH	1. 000	1. 000
305. 0110	Base Aggregate Dense 3/4-Inch	TON	220.000	220. 000
305. 0120	Base Aggregate Dense 1 1/4-Inch	TON	2, 300. 000	2, 300. 000
415. 1090	Concrete Pavement HES 9-Inch	SY	4, 000. 000	4,000.000
				5, 803. 000 10, 592. 000
416. 1710	Concrete Pavement Repair	SY	506.000	506. 000
416. 1715	Concrete Pavement Repair SHES	SY	3, 200. 000	3, 200. 000
416. 1720	Concrete Pavement Replacement	SY	410.000	410.000
				1, 500. 000 75. 000
601. 0409	Concrete Curb & Gutter 30-Inch Type A	LF	8, 219. 000	8, 219. 000
602. 0405	Concrete Sidewalk 4-Inch	SF	7, 535. 000	7, 535. 000
611. 0624	Inlet Covers Type H	EACH	24. 000	24. 000
				3. 000 57. 600
				2. 000
614. 0230	Steel Thrie Beam	LF	221. 800	221. 800
614. 2300	MGS Guardrail 3_	LF	262. 500	262. 500
				157. 600
				3. 000 3. 000
618. 0100	Maintenance And Repair of Haul Roads	EACH	1. 000	1. 000
	(proj ect) 01. 7090-01-61			
619. 1000	Mobilization	EACH	1.000	1. 000
620. 0300	Concrete Median Sloped Nose			60.000
				25. 400 994. 000
627. 0200	Mul chi ng	SY	994. 000	994. 000
628. 1504	Silt Fence	LF	1, 000. 000	1, 000. 000
	Silt Fence Maintenance		1, 000. 000	1, 000. 000 2. 000
		EACH		2. 000
628. 2008	Erosi on Mat Urban Class I Type B	SY	185. 000	185. 000
628. 7015	Inlet Protection Type C	EACH	24. 000	24. 000
629. 0210	Fertilizer Type B	CWT	63.000	63.000
				27. 000 18. 000
630. 0200	Seeding Temporary	LB	27. 000	27. 000
634. 0614	Posts Wood 4x6-Inch X 14-FT	EACH	68. 000	68. 000
				101. 000 30. 000
634. 0620	Posts Wood 4x6-Inch X 20-FT	EACH	2. 000	2. 000
634. 0805	Posts Tubular Steel 2x2-Inch X 5-FT	EACH	1. 000	1. 000
	1 TEM 204. 0100 204. 0109. S 204. 0150 204. 0165 204. 9165. S 211. 0200 213. 0100 305. 0110 305. 0120 415. 1090 416. 0610 416. 0620 416. 1710 416. 1725 465. 0110 601. 0409 602. 0405 611. 0624 614. 0010 614. 0200 614. 0230 614. 2300 614. 2500 614. 2500 614. 2500 614. 2620 618. 0100 628. 1504 628. 1504 628. 1520 628. 1905 628. 1905 628. 1905 628. 1905 628. 1905 628. 2008 628. 7015 629. 0210 630. 0120 630. 0120 630. 0120 631. 0614 634. 0616 634. 0616 634. 0618 634. 0618 634. 0618	ITEM 204. 0100 Removing Pavement 204. 0109. Removing Concrete Surface Partial Depth Removing Asphaltic Surface Milling Removing Asphaltic Surface Milling Removing Curb & Gutter Removing Curb & Gutter Removing Curb & Gutter 204. 0165 Removing (item description) 01. Safety Island Prepare Foundation for Concrete Pavement (project) 01. 7090-01-61 Pinishing Roadway (project) 01. 7090-01-61 Base Aggregate Dense 3/4-Inch Base Aggregate Dense 1 1/4-Inch 215. 1090 Concrete Pavement HES 9-Inch Drilled Tie Bars Drilled Dowel Bars Concrete Pavement Repair SHES 216. 1715 Concrete Pavement Repair SHES 216. 1715 Concrete Pavement Repair SHES 216. 1725 Concrete Pavement Replacement SHES Asphaltic Surface Patching 217. 2010 Steel Thrie Beam Structure Approach Steel Thrie Beam Structure Approach Steel Thrie Beam Bullnose Terminal Steel Thrie Beam Structure Approach Steel Thrie Beam Transition MGS Guardrail Terminal EAT MGS Guardrail Terminal EAT MGS Guardrail Terminal Type 2 Maintenance And Repair of Haul Roads (project) 01. 7090-01-61 Mobilization Concrete Median Sloped Nose Mobilization East Steel Thrie Beam Transition Concrete Median Sloped Nose Maintenance And Repair of Haul Roads (project) 01. 7090-01-61 Mulching Fencis Mobilization East Steel Thrie Beam Transition Concrete Median Sloped Nose Mater Scoton Motilization East Steel	ITEM	TEM

DATE 10	AUG16	EST	IMAT	E OF QUAN	ITITIES 7090-01-61	
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY	
0510	637. 2210	Signs Type II Reflective H	SF	2, 520. 660	2, 520. 660	
0520	637. 2215	Signs Type II Reflective H Folding	SF	104. 440	104. 440	
0530	637. 2230	Signs Type II Reflective F	SF	134. 250	134. 250	
0540 0550	638. 2602 638. 3000	Removing Signs Type II Removing Small Sign Supports	EACH EACH	220. 000 193. 000	220. 000 193. 000	
0330	036. 3000	Removing Small Sign Supports	LACII	173.000	193.000	
0560	642. 5201	Field Office Type C	EACH	1. 000	1. 000	
0570	643.0100	Traffic Control (project) 01. 7090-01-61	EACH	1. 000	1. 000	
0580	643. 0300	Traffic Control Drums	DAY	137, 700. 000	137, 700. 000	
0590	643. 0420	Traffic Control Barricades Type III	DAY	12, 630. 000	12, 630. 000	
0600	643. 0705	Traffic Control Warning Lights Type A	DAY	25, 260. 000	25, 260. 000	
0610	643. 0715	Traffic Control Warning Lights Type C	DAY	26, 775. 000	26, 775. 000	
0620	643. 0800	Traffic Control Arrow Boards	DAY	306. 000	306. 000	
0630	643. 0900	Traffic Control Signs	DAY	33, 513. 000	33, 513. 000	
0640	643. 1050	Traffic Control Signs PCMS	DAY	320.000	320. 000	
0650	646. 0106	Pavement Marking Epoxy 4-Inch	LF	43, 670. 000	43, 670. 000	
0//0	/ / / 010/	Devement Marking Engine C. Lock		0.700.000	0.700.000	
0660	646. 0126	Pavement Marking Epoxy 8-Inch	LF EACH	9, 799. 000 8. 000	9, 799. 000 8. 000	
0670 0680	647. 0156 647. 0166	Pavement Marking Arrows Epoxy Type 1 Pavement Marking Arrows Epoxy Type 2	EACH	59. 000	59. 000	
0690	647. 0356	Pavement Marking Words Epoxy	EACH	37. 000	37. 000	
0700	647. 0456	Pavement Marking Curb Epoxy	LF	395. 000	395. 000	
	017:0100	Tavollione marking our b Epoxy				
0710	647. 0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	1, 171. 000	1, 171. 000	
0720	647. 0606	Pavement Marking Island Nose Epoxy	EACH	23. 000	23. 000	
0730	647. 0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	2, 200. 000	2, 200. 000	
0740	650. 5500	Construction Staking Curb Gutter and	LF	1, 659. 000	1, 659. 000	
0750	650. 9910	Curb & Gutter Construction Staking Supplemental	LS	1. 000	1. 000	
0730	030. 7710	Control (project) 01. 7090-01-61	LJ	1.000	1.000	
0760	652. 0800	Conduit Loop Detector	LF	900.000	900.000	
0770	653. 0208	Junction Boxes 8x8x8-Inch	EACH	11. 000	11. 000	
0780	653. 0905	Removing Pull Boxes	EACH	11. 000	11. 000	
0790	655. 0800	Loop Detector Wire	LF	955. 000	955. 000	
0800	690. 0250	Sawing Concrete	LF	9, 785. 000	9, 785. 000	
0810	715. 0415	Incentive Strength Concrete Pavement	DOL	730. 000	730. 000	
0820	SPV. 0045	Special 01. Portable Changeable Message	DAY	320. 000	320. 000	
		Sign (PCMS) Cellular Communications				
0830	SPV. 0090	Special O1. Concrete Curb and Gutter	LF	8, 219. 000	8, 219. 000	
	0011	Cure and Seal Treatment				
0840	SPV. 0105	Special 01. Construction Staking	LS	1. 000	1. 000	
0850	SPV. 0105	Concrete Pavement Joint Layout Special 02. Preparation of Foundation	LS	1. 000	1. 000	
0000	31 V. 0103	for Asphaltic Paving Special	23	1.000	1.000	
0860	SPV. 0165	Special 01. Concrete Sidewalk Cure and	SF	7, 535. 000	7, 535. 000	
	001/04/-	Seal Treatment	0=			
0870	SPV. 0165	Special 02. Concrete Median Sloped Nose	SF	60.000	60. 000	
0000	SPV. 0180	Cure and Seal Treatment Special 01. Concrete Pavement	SY	450. 000	450. 000	
0880	371.0100	Centerline Joint Repair	31	430.000	430. 000	
0890	SPV. 0195	Special 01. Asphaltic Surface Special	TON	2, 120. 000	2, 120. 000	
		Spool at		_,	_,	

3

REMOVALS

204.0109.S		
DEMOVING	204 0120	

3

				REMOVING	204.0150		204.9165.S	
		204.0100 REMOVING	PARTIAL	ASPHALTIC SURFACE	CURB &	REMOVING	REMOVING SAFETY	
STATION	LOCATION	PAVEMENT SY	DEPTH SF	MILLING SY	GUTTER LF	GUARDRAIL LF	ISLAND SF	REMARKS
USH 12'EB'								
63+67 - 244+17	EB & WB	-	-	-	3184	-	-	ESTIMATE AS OF 2015 INSPECTION, SEE C&G TABLE FOR LOCATION
63+82 - 64+76	WB LT	-	-	-	-	94	-	
66+00 - 107+10	EB RT, WB LT	-	-	5000	-	-	-	MILLING SHOULDERS
108+00 - 111+75 112+35 - 115+80	EB LT EB LT	720 685	-	-	-	-	1100 1160	FOR TURN LANE AND ISLAND REPLACEMENT FOR TURN LANE AND ISLAND REPLACEMENT
125+40 - 127+65	EBLT	335	-	- -	-	-	1145	FOR TURN LANE AND ISLAND REPLACEMENT
127+52 - 128+55	EBLT	-	2975	-	-	-	-	
128+55 - 131+95	EB LT	680	-	-	-	-	1125	FOR TURN LANE AND ISLAND REPLACEMENT
145+50 - 148+85	EBLT	690	-	-	-	-	1145	FOR TURN LANE AND ISLAND REPLACEMENT
148+85 - 149+65 149+65 - 153+50	EB LT EB LT	- 735	2500 -	-	-	-	- 1110	FOR TURN LANE AND ISLAND REPLACEMENT
158+90 - 161+30	EBRT	-	-	-	240	-	-	TORTORIA EMILEMAND TOEMAND THE EMOLIMICATI
161+00 - 164+10	EB LT	500	-	-	-	-	585	FOR TURN LANE AND ISLAND REPLACEMENT
164+10 - 164+85	EB LT	-	2385	-	-	-	-	EOD TUDALLAND AND IOLAND BEDLAGENENT
164+85 - 168+00 174+50 - 178+45	EB LT EB LT	500	- 5785	-	-	-	550	FOR TURN LANE AND ISLAND REPLACEMENT
178+45 - 181+50	EBLT	515	-	<u> </u>	<u> </u>		530	FOR TURN LANE AND ISLAND REPLACEMENT
	EBLT	-	-	-	115	- -	-	REMOVE CURB AND GUTTER PRIOR TO EAT
193+65 - 194+30	EB LT	-	-	-	-	66	-	
195+54 - 198+66	EB LT	-	3815	-	-	-	-	
199+67 - 202+87 214+85.2 - 216+15.2	EB LT WB RT	-	3660	-	130	<u>-</u>	-	REMOVE CURB AND GUTTER PRIOR TO BULLNOSE
	EBLT	-	-	-	130	-	-	REMOVE CURB AND GUTTER PRIOR TO BULLNOSE
215+95 - 216+77	EBLT	-	-	-	-	146	-	NEMOVE GOLDAND GOLLEN HOLLING
216+08 - 216+93	WB RT	-	-	-	-	85	-	
225+21 - 226+92	EBLT	-	-	-	-	171	-	
225+44 - 226+98 226+30 - 226+99	EB LT EB RT	-	-	-	-	229 69	-	
226+78.8 - 228+08.8		-	-	-	130	-	-	REMOVE CURB AND GUTTER PRIOR TO BULLNOSE
226+78.8 - 228+08.8		-	-	-	130	-	-	REMOVE CURB AND GUTTER PRIOR TO BULLNOSE
227+06.3 - 228+21.3	EB LT	-	-	-	115	-	-	REMOVE CURB AND GUTTER PRIOR TO EAT
TRUAX BLVD								
503+15 - 503+28	LT & RT	270	-	-	-	-	-	
FOLSOM ST 603+88 - 604+52	DT	140						INCLUDES 92 FEET OF CONCRETE CURB & GUTTER
603+98 - 604+52	RT LT	142 48	-	-	-	-	-	INCLUDES 52 FEET OF CONCRETE CORB & GOTTER INCLUDES 58 FEET OF CONCRETE CURB & GUTTER
000.00 004.02		40						MOLOBES SOFEET OF SOMMETE SOMB & SOFFER
MOHOLT DR								
701+00 - 701+67	LT & RT	=	7625	=	-	=	-	
702+41 - 703+08	LT & RT	-	8955	-	-	-	-	
VINE ST								
801+42 - 802+73	LT & RT	-	13760	-	-	-	-	
803+32 - 804+92	LT & RT	-	12995	-	-	-	-	
CAMEDONICE								
CAMERON ST 901+67 - 903+23	LT & RT	_	12350	_	_	_	_	
903+60 - 905+16	LT & RT	_	13250	_	_	-	-	
CRESTVIEW DR								
	LT & RT	-	4095	-	-	-	-	
1003+38 - 1003+78	LT & RT	-	3925	-	-	-	-	
LAMPLIGHTER CT								
	LT & RT	-	4495	-	-	-	-	
OUDTION OT								
CURTISS CT 1104+23 - 1104+98	LT & RT	-	4795	-	-	-	-	
UNDISTRIBUTED					500	_		
OIADIO I LIBUTED		-	-	-	500	-	-	
ITEM TOTALS		5820	107365	5000	4674	860	8450	

PREPARE FOUNDATION FOR CONCRETE
PAVEMENT (7090-01-61)

STATION	211.0200 LS
USH 12	1
ITEM TOTAL	1

FINISHING ROADWAY (7090-01-61)

	213.0100
STATION	EACH
USH 12	1
ITEM TOTAL	1

BASE AGGREGATE DENSE

			305.0120 1 1/4-INCH	624.0100 WATER	
STATION	LOCATION	TON	TON	MGAL	REMARKS
USH 12'EB'					
66+00 - 107+10	EB RT, WB LT	220	-	2.2	FOR SHOULDER REPAIR IF NEEDED
66+00 - 107+10	EB RT, WB LT	-	400	4	FOR CONCRETE REPAIR
66+00 - 107+10	EB RT, WB LT	-	215	2.2	FOR CONCRETE PAVEMENT REPLACEMENT
66+00 - 107+10	EB RT, WB LT	-	265	2.7	FOR CURB & GUTTER REPLACEMENT
108+00 - 111+75	EB RT	-	180	1.8	FOR TURN LANE AND ISLAND REPAIR
112+35 - 115+80	EB RT	-	180	1.8	FOR TURN LANE AND ISLAND REPAIR
125+40 - 127+65	EB RT	-	135	1.4	FOR TURN LANE AND ISLAND REPAIR
128+55 - 131+95	EB RT	-	180	1.8	FOR TURN LANE AND ISLAND REPAIR
145+50 - 148+85	EB RT	-	175	1.8	FOR TURN LANE AND ISLAND REPAIR
149+65 - 153+50	EB RT	-	180	1.8	FOR TURN LANE AND ISLAND REPAIR
161+00 - 164+10	EB RT	-	110	1.1	FOR TURN LANE AND ISLAND REPAIR
164+85 - 168+00	EB RT	-	110	1.1	FOR TURN LANE AND ISLAND REPAIR
178+45 - 181+50	EB RT	-	110	1.1	FOR TURN LANE AND ISLAND REPAIR
TRUAX BLVD					
503+15 - 503+28	LT & RT	-	30	0.3	FOR CONCRETE PAVEMENT REPLACEMENT
FOLSOM ST					
603+88 - 604+52	RT	-	20	0.2	
603+98 - 604+52	LT	-	10	0.1	
					=
ITEM TOTALS		220	2300	25.4	

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE.

PROJECT NO:7090-01-61 HWY:USH 12 COUNTY:EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET **E**

PLOT BY : SEH

CONCRETE PAVEMENT HES 9-INCH

STATION	LOCATION	415.1090 CONCRETE PAVEMENT HES 9-INCH SY	*416.0610 DRILLED TIE BARS EACH	*416.0620 DRILLED DOWEL BARS EACH	REMARKS
USH 12'EB'					
108+00 - 111+75	EB LT	485	191	19	FOR TURN LANE AND ISLAND REPAIR
112+35 - 115+80	EB LT	450	167	19	FOR TURN LANE AND ISLAND REPAIR
125+40 - 127+65	EB LT	110	33	23	FOR TURN LANE AND ISLAND REPAIR
128+55 - 131+95	EB LT	445	158	19	FOR TURN LANE AND ISLAND REPAIR
145+50 - 148+85	EB LT	455	153	24	FOR TURN LANE AND ISLAND REPAIR
149+65 - 153+50	EB LT	495	194	19	FOR TURN LANE AND ISLAND REPAIR
161+00 - 164+10	EB LT	380	177	15	FOR TURN LANE AND ISLAND REPAIR
164+85 - 168+00	EB LT	375	180	15	FOR TURN LANE AND ISLAND REPAIR
178+45 - 181+50	EB LT	385	175	15	FOR TURN LANE AND ISLAND REPAIR
TRUAX BLVD					
503+15 - 503+28	LT & RT	270	75	18	FOR INTERSECTION REPAIR
FOLSOM ST					
603+88 - 604+52	RT	117	47	-	
603+98 - 604+52	LT	33	24	-	
ITEM TOTALS		4000	1574	186	-

^{*} QUANTITY SHOWN ELSEWHERE IN PLANS

CONCRETE PAVEMENT REPLACEMENT

STATION	LOCATION	*416.0610 DRILLED TIE BARS EACH	*416.0620 DRILLED DOWEL BARS EACH	416.1720 CONCRETE PAVEMENT REPLACEMENT SY	416.1725 CONCRETE PAVEMENT REPLACEMENT SHES SY	REMARKS
USH 12'EB'						
65+20	EB LT	29	26	-	80	TURN LANE
66+55	EB RT	17	36	-	64	BOTH LANES
69+25	EB RT	22	16	-	40	LEFT LANE
69+70	WB LT	11	22	-	49	RIGTH LANE
69+70	EB RT	5	16	-	20	RIGHT LANE
70+10	WB LT	11	16	-	20	LEFT LANE
70+20	WB LT	5	16	-	20	RIGHT LANE
70+75	WB LT	17	36	-	64	BOTH LANES
72+60	EB RT	6	36	_	43	BOTH LANES
77+45	WB LT	16	36	-	76	BOTH LANES
85+40	WB LT	11	16	-	20	LEFT LANE
88+95	WB LT	9	16	_	32	RIGHT LANE
90+85	EB RT	26	36	_	91	BOTH LANES
96+35	EB RT	21	36	_	81	BOTH LANES
98+08	WB LT	18	16	_	34	RIGHT LANE
117+55	EB RT	15	16	-	28	LEFT LANE
120+75	EB RT	17	16	-	31	LEFT LANE
121+80	EB RT	11	36	_	40	BOTH LANES

BOTH LANES FOR LOOP REPLACEMENT 123+55 EB RT 22 20 123+65 11 20 RIGHT LANE EB RT 16 40 124+35 WB LT 22 RIGHT LANE LEFT & CENTER LANES 126+85 WB LT 43 128+20 WB LT 16 23 RIGHT LANE 20 98 ALL THREE LANES 128+90 EB RT 16 13 48 129+20 36 RIGHT & CENTER LANES WB LT 131+55 WB LT 20 16 36 RIGHT LANE RIGHT & CENTER LANES 136+00 EB RT 13 48 151+00 WB LT 36 20 20 RIGHT & CENTER LANES 158+55 EB RT RIGHT & CENTER LANES 174+40 EB RT 39 36 71 27 RIGHT & CENTER LANES 177+85 19 35 ALL THREE LANES EB RT 182+80 WB LT 36 20 20 RIGHT & CENTER LANES 11 RIGHT LANE FR RT 64 195+65 35 16 20 RIGHT & CENTER LANES 197+35 WB LT 11 36 20

20 40

410

20 20

97 1500

36

46

1060

11

11

15

49

640

* QUANTITY SHOWN ELSEWHERE IN PLANS

EB RT

EB RT

204+70

235+25

MENOMONIE ST 207+20

UNDSTRIBUTED

ITEM TOTALS

QUANTITI SHOWN ELSEWHERE INTEANS

ASPHALTIC PAVEMENT ITEMS

STATION	LOCATION	465.0110 ASPHALTIC SURFACE PATCHING TON	SPV.0195.01 ASPHALTIC SURFACE SPECIAL TON
USH 12'EB'			
66+00 - 107+10	EB RT & WB LT		630
127+52 - 128+55	EBLT	2	42
148+85 - 149+65	EBLT	2	35
164+10 - 164+85	EB LT	2	34
174+50 - 178+45	EBLT	4	81
195+54 - 198+66	EB LT	3	53
199+67 - 202+87	EB LT	3	51
MOHOLT DR			
701+00 - 701+67	LT & RT	5	107
702+41 - 703+08	LT & RT	6	125
VINE ST			
801+42 - 802+73	LT & RT	10	193
803+32 - 804+92	LT & RT	9	182
CAMERONST			
901+67 - 903+23	LT & RT	9	173
903+87 - 905+16	LT & RT	9	172
CRESTVIEW DR			
1001+96 - 1002+36	LT & RT	3	57
1003+38 - 1003+78	LT & RT	3	55
LAMPLIGHTER CT			
1102+72 - 1103+26	LT & RT	3	63
CURTISS CT			
1104+23 - 1104+98	LT & RT	3	67
ITEM TOTAL	,	75	2120

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE.

PROJECT NO:7090-01-61 HWY:USH 12 COUNTY:EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET **E**

PLOT DATE: 4/29/2016

LEFT & CENTER LANES

ALL THREE LANES

BOTH INCOMING LANES

ſ		CONCRE	ΓΕ PAVEME	ENT REPAIR		<u>c</u>	ONCRETE F	PAVEMENT	REPAIR CON	NT.	2	CONCRETE I	PAVEMEN	REPAIR CO	ONT.	<u>c</u>	ONCRETE	PAVEMENT	REPAIR CO	NT.	CONC	RETE PA	VEMENT	REPAIR CO	NT.
	STATION	LOCATION	DRILLED DOWEL BARS		417.1715 CONCRETE PAVEMENT REPAIR SHES SY	STATION	LOCATION	DRILLED	415.1710 CONCRETE PAVEMENT REPAIR SY	416.1715 CONCRETE PAVEMENT REPAIR SHES SY	STATION	LOCATION	*416.0620 DRILLED DOWEL BARS EACH	416.1710 CONCRETE PAVEMENT REPAIR SY	417.1715 CONCRETE PAVEMENT REPAIR SHES SY	STATION	LOCATION	*416.0620 DRILLED DOWEL BARS EACH	416.1710 CONCRETE PAVEMENT REPAIR SY	417.1715 CONCRETE PAVEMENT REPAIR SHES SY	STATION LOC	[ORILLED	416.1710 CONCRETE PAVEMENT REPAIR SY	417.1715 CONCRETE PAVEMENT REPAIR SHES SY
3	USH 12'EB' 64+19 65+11 65+33 65+48 65+55 65+80 66+43 66+91	WB LT WB LT EB RT EB RT EB RT WB LT WB LT WB LT WB LT	40 40 20 25 20 40 60 60	- - - - - - - -	16 16 8 10 8 16 24 24	USH 12'EB 95+06 95+58 96+19 96+59 97+41 98+02 98+06 98+70 99+42	EB RT WB LT WB LT EB RT WB RT WB LT WB LT EB RT EB RT	20 20 25 20 15 15 15 40	- - - - - - -	8 8 10 8 6 6 16 16	USH 12'EB 139+04 139+16 139+30 139+69 140+09 140+61 140+81 140+86 141+51	WB LT WB LT WB LT WB LT WB LT WB LT EB RT EB RT WB LT	20 40 20 20 20 20 20 20 20 20	- - - - - - - -	8 16 8 8 8 8 8 8	USH 12 'EE 211+18 211+48 212+00 212+27 212+68 213+19 213+21 213+75 214+28	EB LT EB LT EB LT WB RT EB LT WB RT WB RT EB LT WB RT EB LT WB RT	35 20 35 20 60 20 20 60 20	- - - - 16 8 - 16 8	14 8 14 8 8 -	503+72 504+18 504+42 504+42 504+72 FOLSOM ST	EB WB WB WB EB WB	80 50 20 70 50 30	- - - - -	32 20 8 28 20 12
	67+74 68+30 69+03 69+08 69+28 69+32 69+74 70+35 72+35 72+35 72+60 73+57 75+59 76+49 76+57 77+63 77+63 77+78 77+83 78+26 78+29 78+86 78+86 78+86 78+86 78+94 78+99 79+23 79+40	WB LT EB RT EB LT & RT WB LT EB LT WB LT EB RT WB LT EB RT	60 40 20 20 20 20 20 20 20 40 40 20 23 25 15 25 25 25 25 25 25 25 20 20 20 20 20 20 20 20 20 20		24 16 8 8 8 8 8 8 8 16 16 16 8 8 9 10 10 10 10 10 10 10 10 10 10	99+42 99+96 100+33 100+90 101+82 102+67 102+72 103+00 103+19 104+38 104+62 104+66 105+65 106+37 106+95 107+86 108+03 108+59 109+15 109+72 111+32 112+15 112+15 112+15 113+14 113+38 113+47 113+59 114+98 115+45 116+12 116+99 117+75 118+49 121+45 122+25 122+39 122+55 123+72 124+95 125+10 125+49 126+13 126+14 126+72 127+50 129+76	EB RT	40 40 40 40 40 20 20 20 20 40 20 20 20 40 40 40 40 40 20 20 20 20 20 20 20 20 20 2			141+51 141+99 143+13 144+86 145+09 145+46 146+18 146+60 147+34 147+80 147+81 148+88 149+81 149+88 151+97 152+64 164+58 164+73 164+85 168+34 169+46 175+75 180+69 182+30 191+82 193+16 194+09 198+19 198+55 198+80 198+94				8 8 8 8 8 16 8 8 8 12 8 24 8 20 20 20 20 20 20 8 - - - 8 8 8 8 12 8 8 12 8 8 14 16 8 8 8 8 8 8 8 8 16 16 16 16 16 16 16 16 16 16 16 16 16		WB RT WB RT EB LT		8 8 8 16 16 16 8 - 8 - 8 - 8 8 8 8 8 8 8 12	8 8 8 8 8 14 - 8 16 - - - - 8 160	602+34 602+59 602+64 602+65 603+44 603+46 604+10 EB 604+11 MOHOLT DR 701+20 701+20 701+22 EB CAMERON ST 904+25 EB CRESTVIEW DI 1002+87 EB CURTISS ST 1103+86 EB PARK RIDGE D 1202+74 MENOMONIE ST 1303+30 1304+69	& WB & WB R WB F WB WB WB WB CD LS -	20 35 25 25 25 25 35 75 25 90 60 60 140 80 100 120 50 70 25 35 600 1995 9346 EWHERE I	- - - - - - - - - - - - - - - 0 506 N PLANS	8 14 10 10 10 10 11 14 30 10 36 24 24 56 32 40 48 20 28 10 14 200 758 3200
	89+22 90+02 90+25 91+32 91+41 91+58 92+05 92+92 93+63 93+67 93+85 94+35 94+63 94+82 94+82 ITEM SUBT	WB LT WB LT WB LT WB LT EB RT EB RT EB RT EB LT	20 20 20 40 50 20 20 20 20 45 35 38 30 40 40 20	- - - - - - - - - - - - - - - - - - -	8 8 8 16 20 8 8 8 18 14 15 12 16 16 16 8	129+93 130+73 131+49 131+52 132+06 134+16 134+35 134+41 134+77 135+29 135+37 135+52 135+66 137+50 138+23 ITEM SUB	WB LT EB RT WB LT EB RT WB LT WB LT WB LT EB RT WB LT EB RT WB LT EB RT EB RT EB RT WB LT EB RT COTALS	20 20 10 20 20 20 20 20 20 40 20 20 20 20 20 20 20 20 20 20 20 20 20	- - - - - - - - - - - - - - - - - - -	8 8 8 8 8 8 16 8 8 8 8 8	205+78 206+37 206+38 206+59 206+80 207+29	EB RT EB RT EB RT EB RT EB LT & RT WB LT & RT WB RT EB LT WB RT EB LT WB RT EB LT WB LT WB LT WB LT WB LT WB LT	20 20 20 20 20 40 40 20 35 40 60 40 20 20 20 40	8 8 8 8 8 8 - - - 8 16 8 - - 8	- - - - - 16 16 8 14 8 8 8 8 8 8									: CATEGORY ED OTHERWI	SE.
ſ	PROJEC	T NO:70	90-01-0	61		HWY: L	SH 12			COUN	TY:EAU	CLAIRE			MISCELLAN	EOUS QU	ANTITIES	5					SHEE	Т	E

CONCRETE CURB & GUTTER

STATION	LOCATION	*416.0610 DRILLED TIE BARS EACH	601.0409 30-INCH TYPE A LF	SPV.0090.01 CURE AND SEAL TREATMENT LF	REMARKS
USH 12'EB'		_	_	_	
65+57	EBLT	2	9	9	SPOT CURB & GUTTER REPAIR
65+80	WBLT	0	7	7	SPOT CURB & GUTTER REPAIR
66+42	WB LT	0	7	7	SPOT CURB & GUTTER REPAIR
66+64	WB LT	0 0	7 6	7 6	SPOT CURB & GUTTER REPAIR
66+92 67+13	WB LT	0	6	6	SPOT CURB & GUTTER REPAIR SPOT CURB & GUTTER REPAIR
67+13 67+39	WB LT EB LT	1	ь 11	ь 11	SPOT CURB & GUTTER REPAIR SPOT CURB & GUTTER REPAIR
70+73	EBLT	0	23	23	SPOT CURB & GUTTER REPAIR SPOT CURB & GUTTER REPAIR
70+73 72+71		6	23 31	23 31	
. =	EBLT				SPOT CURB & GUTTER REPAIR
75+55 79+95	EBLT	6 4	25 12	25 12	SPOT CURB & GUTTER REPAIR SPOT CURB & GUTTER REPAIR
79+95 83+60	WB LT EB LT	4 3	12	15	SPOT CURB & GUTTER REPAIR SPOT CURB & GUTTER REPAIR
85+54	WBLT	11	35	35	SPOT CURB & GUTTER REPAIR
90+22	EBLT	9	27	27	SPOT CURB & GUTTER REPAIR
94+61	EBLT	20	27 67	27 67	SPOT CURB & GUTTER REPAIR SPOT CURB & GUTTER REPAIR
98+31	WBLT	5	16	16	SPOT CURB & GUTTER REPAIR
100+40	WBLT	5 5	16	16	SPOT CURB & GUTTER REPAIR
102+57	WBLT	2	8	8	SPOT CURB & GUTTER REPAIR
103+46	WBLT	3	10	10	SPOT CURB & GUTTER REPAIR
105+38	WBLT	3	10	11	SPOT CURB & GUTTER REPAIR
109+47 - 111+69	EBLT	71	445	445	FOR TURN LANE AND ISLAND REPAIR
111+77	EBRT	13	47	47	SPOT CURB & GUTTER REPAIR
112+45 - 114+63	WBLT	71	445	445	FOR TURN LANE AND ISLAND REPAIR
113+13	EBLT	8	24	24	SPOT CURB & GUTTER REPAIR
117+44	WBLT	3	10	10	SPOT CURB & GUTTER REPAIR
119+73	WBLT	4	14	14	SPOT CURB & GUTTER REPAIR
120+75	EBLT	0	22	22	SPOT CURB & GUTTER REPAIR
121+78	EBRT	0	12	12	SPOT CURB & GUTTER REPAIR
125+26	WBLT	4	12	12	SPOT CURB & GUTTER REPAIR
125+40 - 127+56	EBLT	113	430	430	FOR TURN LANE AND ISLAND REPAIR
125+95	WBLT	5	17	17	SPOT CURB & GUTTER REPAIR
126+06	EBRT	6	20	20	SPOT CURB & GUTTER REPAIR
126+18	WBLT	3	9	9	SPOT CURB & GUTTER REPAIR
128+33	EBRT	49	207	207	SPOT CURB & GUTTER REPAIR
128+59 - 130+93	WBLT	73	455	455	FOR TURN LANE AND ISLAND REPAIR
132+98	WBLT	5	15	15	SPOT CURB & GUTTER REPAIR
134+26	EBRT	8	25	25	SPOT CURB & GUTTER REPAIR
142+56	EBRT	22	66	66	SPOT CURB & GUTTER REPAIR
146+58 - 148+78	EBLT	71	440	440	FOR TURN LANE AND ISLAND REPAIR
149+55	WBLT	13	40	40	SPOT CURB & GUTTER REPAIR
149+64	EBRT	8	25	25	SPOT CURB & GUTTER REPAIR
149+75 - 152+02	WBLT	73	455	455	FOR TURN LANE AND ISLAND REPAIR
150+22	EBRT	17	51	51	SPOT CURB & GUTTER REPAIR
153+87	WBLT	4	13	13	SPOT CURB & GUTTER REPAIR
ITEM SUBTOTALS		724	3648	3648	

CONCRETE CURB & GUTTER CONT.

STATION	LOCATION	*416.0610 DRILLED TIE BARS EACH	601.0409 30-INCH TYPE A LF	SPV.0090.01 CURE AND SEAL TREATMENT LF	REMARKS
USH 12'EB'	50.DT				0007 01/00 0 01/7750 050410
158+53	EB RT	0	16	16	SPOT CURB & GUTTER REPAIR
158+90 - 161+30	EB RT	69	240	240	SPOT CURB & GUTTER REPAIR
162+79 - 164+10	EBLT	38	240	240	FOR TURN LANE AND ISLAND REPAIR
164+06	WBLT	5	16	16	SPOT CURB & GUTTER REPAIR
164+85 - 166+15	WBLT	38	240	240	FOR TURN LANE AND ISLAND REPAIR
174+54	EB RT	0	43	43	SPOT CURB & GUTTER REPAIR
177+46	EB RT	5	17	17	SPOT CURB & GUTTER REPAIR
177+79	WBLT	5	16	16	SPOT CURB & GUTTER REPAIR
178+36	EB RT	7	21	21	SPOT CURB & GUTTER REPAIR
178+45 - 179+75	WBLT	38	245	245	FOR TURN LANE AND ISLAND REPAIR
180+35	EB RT	7	21	21	SPOT CURB & GUTTER REPAIR
182+77	WB LT	0	12	12	SPOT CURB & GUTTER REPAIR
183+41	WBLT	3	10	10	SPOT CURB & GUTTER REPAIR
186+43	WBLT	3	9	9	SPOT CURB & GUTTER REPAIR
192+45.5 - 193+60.5	EB RT	38	115	115	NO HEAD ON CURB PRIOR TO EAT
198+29	WB LT	3	9	9	SPOT CURB & GUTTER REPAIR
199+56	WB LT	7	29	29	SPOT CURB & GUTTER REPAIR
200+84	EBLT	7	21	21	SPOT CURB & GUTTER REPAIR
201+61	WB LT	12	36	36	SPOT CURB & GUTTER REPAIR
202+14	EBLT	2	12	12	SPOT CURB & GUTTER REPAIR
202+92	WB LT	2	20	20	SPOT CURB & GUTTER REPAIR
202+92	WB LT	1	11	11	SPOT CURB & GUTTER REPAIR
204+67	EB RT	5	20	20	SPOT CURB & GUTTER REPAIR
207+04	WB LT	12	37	37	SPOT CURB & GUTTER REPAIR
208+15	EB RT	0	8	8	SPOT CURB & GUTTER REPAIR
214+85.2 - 216+15.2	EB RT	44	130	130	NO HEAD ON CURB PRIOR TO BULLNOSE
214+86.8 - 216+16.8	EBLT	44	130	130	NO HEAD ON CURB PRIOR TO BULLNOSE
225+95	EBLT	29	89	89	SPOT CURB & GUTTER REPAIR
226+78.8 - 228+08.8	EBLT	44	130	130	NO HEAD ON CURB PRIOR TO BULLNOSE
226+78.8 - 228+08.8	WB RT	44	130	130	NO HEAD ON CURB PRIOR TO BULLNOSE
227+06.3 - 228+21.3	WB LT	38	115	115	NO HEAD ON CURB PRIOR TO EAT
230+23	WB LT	11	33	33	SPOT CURB & GUTTER REPAIR
230+96	WB LT	6	18	18	SPOT CURB & GUTTER REPAIR
231+58	WB LT	4	12	12	SPOT CURB & GUTTER REPAIR
233+19	WB LT	4	12	12	SPOT CURB & GUTTER REPAIR
233+27	EBLT	112	356	356	SPOT CURB & GUTTER REPAIR
233+94	EB RT	82	250	250	SPOT CURB & GUTTER REPAIR
235+83	EB RT	12	41	41	SPOT CURB & GUTTER REPAIR
237+15	EBLT	72	218	218	SPOT CURB & GUTTER REPAIR
239+97	WB LT	256	793	793	SPOT CURB & GUTTER REPAIR
FOLSOM ST					
603+88 - 604+52	RT	0	92	92	
603+98 - 604+52	LT	Ö	58	58	
UNDISTRIBUTED		150	500	500	
ITEM SUBTOTALS		1259	4571	4571	•
ITEM TOTALS		1983	8219	8219	•

^{*} QUANTITY SHOWN ELSEWHERE IN PLANS.

PLOT BY : SEH

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE.

PROJECT NO:7090-01-61 HWY:USH 12 COUNTY:EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET **E**

SALVAGED TOPSOIL, MULCHING AND SEEDING

MAINTENANCE AND REPAIR OF HAUL ROADS (7090-01-61)

STATION	618.0100 EACH	
USH 12	1	
ITEM TOTAL	1	

STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 TEMPORARY SEEDING LB
LIQUANEDI							
USH 12'EB'							
72+71	EB LT	10	10	0.7	0.3	0.2	0.3
75+55	EB LT	8	8	0.5	0.2	0.1	0.2
85+54	WB LT	12	12	0.7	0.3	0.2	0.3
90+22	EB LT	9	9	0.6	0.2	0.1	0.2
98+31	WB LT	5	5	0.3	0.1	0.1	0.1
100+40	WB LT	5	5	0.3	0.1	0.1	0.1
102+57	WB LT	3	3	0.2	0.1	0.1	0.1
103+46	WB LT	3	3	0.2	0.1	0.1	0.1
105+38	WB LT	4	4	0.2	0.1	0.1	0.1
111+77	EB RT	16	16	1.0	0.4	0.3	0.4
117+44	WB LT	3	3	0.2	0.1	0.1	0.1
			_				2.7.1

0.1

0.1

0.2

0.1

1.9

0.2

0.6

0.4

0.2

0.5

1.9

0.1

0.4

0.2

0.1

0.2

0.2

0.1

0.1

0.1

0.1

0.1

0.1

0.1 0.1

0.1

0.4

0.3

0.1

0.3

0.1

0.1

0.3

0.1

0.1

0.1

0.1

0.1

0.1

0.1

0.1

0.1

0.2

0.2

0.1

1.9

0.2

0.6

0.4

0.2

0.5

0.1

0.1

1.9

0.1

0.4

0.2

0.1

0.2

0.2

0.1

0.1

0.1

0.1

0.3

0.5

0.3

0.3

0.4

4.3

1.4

8.0

0.5

4.4

0.3

0.9

0.3

0.4

0.2

0.2

MOBILIZATIONS EROSION CONTROL

STATION	628.1905 EROSION CONTROL EACH	628.1910 EMERGENCY EROSION CONTROL EACH
JSH 12	2	2
TEM TOTALS	2	2

MOBILIZATION

STATION	619.1000 EACH
USH 12	1
ITEM TOTAL	1

FIELD OFFICE TYPE C

STATION	642.5201 EACH
USH 12	1
ITEM TOTAL	1

EROSION CONTROL ITEMS

STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2008 EROSION MAT URBAN CLASS I TYPE B SY
USH 12'EB' 63+80 - 64+75 192+23 - 194+23 214+91 - 214+91 225+00 - 227+05 226+30 - 227+20	WB LT EB RT EB RT EB RT WB LT	200 200 200 200 200	200 200 200 200 200 200	- - - 185 -
ITEM TOTALS	,	1000	1000	185

- 1	199+56	WB LT	10	10	0.6	0.3	0.2	0.3	
	201+61	WB LT	12	12	0.8	0.3	0.2	0.3	
- 1	202+14	EB LT	4	4	0.3	0.1	0.1	0.1	_
- 1	202+92	WB LT	7	7	0.4	0.2	0.1	0.2	
- 1	202+92	WB LT	4	4	0.2	0.1	0.1	0.1	
- 1	204+67	EB RT	7	7	0.4	0.2	0.1	0.2	
	207+04	WB LT	12	12	0.8	0.3	0.2	0.3	
- 1	225+95	EB LT	30	30	1.9	0.8	0.5	0.8	_
- 1	230+23	WB LT	11	11	0.7	0.3	0.2	0.3	
- 1	230+96	WB LT	6	6	0.4	0.2	0.1	0.2	
s	231+58	WB LT	4	4	0.3	0.1	0.1	0.1	
Ĭ	233+27	EB LT	65	65	4.1	1.8	1.2	1.8	
- 1	233+94	EB RT	83	83	5.3	2.3	1.5	2.3	
- 1	235+83	EB RT	14	14	0.9	0.4	0.3	0.4	
- 1	237+60	EB LT	21	21	1.3	0.6	0.4	0.6	
	239+97	WB LT	264	264	16.7	7.1	4.7	7.1	
	FOLSOM ST								
- 1	603+88 - 604+52	RT	29	29	1.8	0.8	0.5	0.8	
- 1	603+98 - 604+52	LT	19	19	1.2	0.5	0.3	0.5	
- 1	333 33 301.32			. •		2.0	2.0	2.0	
-	ITEM TOTALS	,	994	994	63	27	18	27	_
- 1									

TRAFFIC CONTROL

						=				
				643.0705	643.0715				SPV.0045.01	
			643.0420	WARNING	WARNING	643.0800		643.1050	(PCMS)	
	643.0100	643.0300	BARRICADES	LIGHTS	LIGHTS	ARROW	643.0900	SIGNS	CELLULAR	
	(7090-01-61)	DRUMS	TYPE III	TYPE A	TYPE C	BOARDS	SIGNS	PCMS	COMMUNICATION	
STATION	EACH	DAY	DAY	DAY	DAY	DAY	DAY	DAY	DAY	REMARKS
USH 12	1									
63+67 - 244+17	7	86400	8640	17280	16800	192	23424	206	206	STAGE 1
63+67 - 244+17	7	51300	3990	7980	9975	114	10089	114	114	STAGE 2
ITEM TOTALS	1	137700	12630	25260	26775	306	33513	320	320	

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE.

PROJECT NO: 7090-01-61

HWY: USH 12

119+73

120+75

121+78

125+26

125+95

126+06

126+18

128+33

132+98

134+26

142+56

149+55

149+64

150+22

153+87

158+53

164+06

174+54

177+46

177+79

178+36

180+35

182+77

183+41

186+43

198+29

158+90 - 160+71

WB LT

EB RT

WB LT

WB LT

EB RT

WB LT

EB RT

WB LT

EB RT

WB LT

EB RT

EB RT

WB LT

EB RT

EB RT

EB RT

EB RT

WB LT

EB RT

EB RT

WB LT

WB LT

WB LT

WB LT

COUNTY: EAU CLAIRE

MISCELLANEOUS QUANTITIES PLOT BY : SEH

SHEET

Ε

							SIGNING							
SIGN GROUF)		SIGN SIZE	637.2210 SIGNS TYPE II REFLECTIVE H	637.2215 SIGNS TYPE II FOLDING REFLECTIVE H	637.2230 SIGNS TYPE II REFLECTIVE F	634.0614 POSTS WOOD 4X6-INCH X 14-FT	634.0616 POSTS WOOD 4X6-INCH X 16-FT	634.0618 POSTS WOOD 4X6-INCH X 18-FT	634.0620 POSTS WOOD 4X6-INCH X 20-FT	634.0805 POSTS TUBULAR STEEL 2X2-INCH X 5-FT	638.2602 REMOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS	
		SIGN MESSAGE	W X H (INCHES)	SF	SF	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	REMARKS
1-1	R1-2	YIELD	- X -	-	=	-	-	-	-	-	=	-	=	EXISTING TO REMAIN
1-2	J2-1	EAST	36 X 84	21.00	-	-	-	-	1	-	-	-	-	
		STH 312	- X -	-	-	-	-	-	-	-	-	-	-	
4.0	D5 44	RIGHT ARROW	- X -	-	-	-	-	-	-	-	-	-	=	
1-3	R5-1A I5-1	WRONG WAY AIRPORT	42 X 30 30 X 30	8.75 6.25	-	-	-	-	1	-	-	1	1	REMOVAL PAID UNDER 1-3
1-4	M6-1	RIGHT ARROW	30 X 30	6.25	-	-	-	-	-	-	-	1	-	REWOVAL PAID UNDER 1-3
1-5	D1-3	AHEAD ARROW ELK MOUND	96 X 36	24.00	- -	-	-	2	-	-	-	1	2	
		MENOMONIE	- X -	-	-	-	-	-	-	-	-	-	-	
		CHIPPEWA FALLS RIGHT ARROW	- X -	-	-	-	-	-	-	-	-	-	-	
1-6	J2-3	WEST	108 X 84	63.00	-	-	-	-	-	2	-	1	2	
		USH 12	- X -	-	-	-	-	-	-	-	-	-	-	
		AHEAD ARROW	- X -	-	-	-	-	-	-	-	-	-	-	
		WEST	- X -	-	-	-	-	-	-	-	-	-	-	
		STH 312	- X -	-	-	-	-	-	-	-	-	-	-	
		AHEAD ARROW EAST	- X - - X -	-	-	-	-	-	-	-	-	-	-	
		STH 312	- X - - X -	-	-	-	-	_	-	-	-		-	
		ADVANCE ARROW RIGHT TURN	- X -	-	-	-	-	_	_	-	-	_	-	
1-7	J1-2	JCT	72 X 57	28.50	- -	-	-	-	2	<u>-</u>	-	1	1	
		STH 312	- X -	-	-	-	-	-	-	_	-	-	-	
		JCT	- X -	-	-	-	-	_	-	-	-	-	-	
		CTH T	- X -	-	-	-	-	-	-	-	-	-	-	
1-8	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
1-9	R3-2	NO LEFT TURN	- X -	-	-	-	-	-	-	-	-	-	-	EXISTING TO REMAIN
1-10	J2-1	EAST	- X -	-	-	-	-	-	-	-	-	-	-	EXISTING TO REMAIN
		STH 312	- X -	-	-	-	-	-	-	-	-	-	-	
		LEFT ARROW	- X -	-	-	-	-	-	-	-	-	-	-	
1-11	R2-1	SPEED LIMIT 45	- X -	-	-	-	-	-	-	-	-	-	-	EXISTING TO REMAIN
1-12	W3-3	STOP LIGHT AHEAD	36 X 36	-	•	9.00	-	1	-	-	•	1	1	
1-13	W3-3 M1-94	STOP LIGHT AHEAD TRUAX BLVD	36 X 36 60 X 24	- 10.00	-	9.00	2	1	-	-	-	1	1 2	
1-14 1-15	J4-1	WEST	36 X 51	12.75	-	-	2	- 1	-	-	-	1	1	
1-13	J 4- 1	USH 12	- X -	12.75	-	-	-		-	-	-			
1-16	R1-1	STOP	36 X 36	7.46	_	_	_	_	1	_	-	1	1	
	R1-53	RIGHT TURN OBEY THIS SIGN	24 X 30	5.00	-	-	-	-	-	-	-	-	-	
1-17	R1-1F	FOLDING STOP	36 X 36	-	7.46	-	-	-	-	-	-	1	-	BAND TO POLE
	R6-3	DIVIDED HWY	30 X 24	5.00	-	-	-	-	-	-	-	-	-	BAND TO POLE
1-18	R4-7	KEEP RIGHT	24 X 30	5.00	=	-	-	-	-	-	-	1	=	BAND TO POLE
1-19	R5-1	DO NOT ENTER	36 X 36	9.00	-	-	-	-	-	-	-	1	-	BAND TO POLE
1-20	R6-2L	ONE WAY LEFT	24 X 30	5.00	-	-	-	-	-	-	-	-	-	BAND TO POLE, REMOVAL PAID UNDER 1-1
1-21	R5-1A	WRONG WAY	42 X 30	8.75	-	-	1	-	-	-	-	1	1	
1-22	R3-56L	LEFT TURN LANE	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
1-23	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
1-24	M1-94	TRUAX BLVD	60 X 24	10.00	-	-	2	- 1	-	-	-	1 1	2 1	
1-25 1-26	R3-56L R5-1A	LEFT TURN LANE WRONG WAY	36 X 48 42 X 30	12.00 8.75	-	-	- 1	1	-	-	-	1	1	
1-27	R4-7	KEEP RIGHT	36 X 48	12.00		_		_	_	_		1	<u>'</u>	BAND TO POLE
1-28	R6-2L	ONE WAY LEFT	24 X 30	5.00	-	_	-	_	-	_	-	1	-	BAND TO POLE
1-29	R5-1	DO NOT ENTER	36 X 36	9.00	-	_	-	_	-	_	-	-	-	BAND TO POLE, REMOVAL PAID UNDER 1-2
1-30	R4-7	KEEP RIGHT	24 X 30	5.00	-	-	-	-	-	-	-	1	-	BAND TO POLE
1-31	R1-1F	FOLDING STOP	36 X 36		7.46	-	-	-	-	-	-	1	-	BAND TO POLE
	R6-3	DIVIDED HWY	30 X 24	5.00	-	-	-	-	-	-	-	-	-	BAND TO POLE
1-32	R1-1	STOP	36 X 36	7.46	-	-	-	-	1	-	-	1	1	
	R1-53	RIGHT TURN OBEY THIS SIGN	24 X 30	5.00	-	-	-	-	-	-	-	-	-	
1-33	R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	-	-	-	-	1	-	BAND TO POLE
1-34	J4-1	EAST	36 X 54	13.50	-	-	-	1	-	-	-	1	1	
4	155.50	USH 12	- X -	-	-	-	-	-	-	-	-	-	-	
1-35	155-56	ADOPT-A-HWY	30 X 36	7.50	-	-	-	1	-	-	-	1	1	
1 20	14 4	RETIRED EMPLOYEES OF DOT AND WIVES	- X -	- 14.25	-	-	-	- 1	-	-	-	- 1	- 2	
1-36	J1-1	JCT CTH CC	36 X 57	14.25	-	-	-	1	-	-	-	1	2	
1-37	M1-94	FOLSOMST	- X - 60 X 24	10.00	-	-	2	-	-	-	-	-	- -	REMOVAL PAID UNDER 1-36
1-37	R3-56L	LEFT TURN LANE	36 X 48	12.00	-	-	-	- 1	-	-	-	- 1	1	IZEINO VAL FAID UNDER 1-30
1-00	110 00L	ELI I TOTAL LAND	00 A 40	12.00	-	-	-	1	-	-	-	1	,	
				410.17	14.92	18.00	8	13	6	2		30	26	

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE.

PROJECT NO:7090-01-61 HWY:USH 12 COUNTY:EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET **E**

PLOT NAME :

						SIGNING ITE	MS CONT.							
			637.2210 SIGNS TYPE II	637.2215 SIGNS TYPE II FOLDING	637.2230 SIGNS TYPE II	634.0614 POSTS WOOD	634.0616 POSTS WOOD	634.0618 POSTS WOOD	634.0620 POSTS WOOD	634.0805 POSTS TUBULAR	638.2602 REMOVING SIGNS	638.3000 REMOVING SMALL		
SIGN GROUP	OLONIMECONOE	SIGN SIZE	REFLECTIVE H	REFLECTIVE H	REFLECTIVE F	4X6-INCH X 14-FT	4X6-INCH X 16-FT	4X6-INCH X 18-FT	4X6-INCH X 20-FT	STEEL 2X2-INCH X 5-FT	TYPE II	SIGN SUPPORTS	DEMARKO	
NUMBER SIGN CODE	SIGN MESSAGE	W X H (INCHES)	SF	SF	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	REMARKS	
2-1 R4-7 2-2 R1-1	KEEP RIGHT STOP	36 X 48 36 X 36	12.00 7.46	-	-	-	-	-	-	-	1	-	BAND TO POLE	
2-2 R1-1 R1-53	RIGHT TURN OBEY THIS SIGN	24 X 30	7.46 5.00	-	-	-	-	-	-	-	-	-		
2-3 R1-1F	FOLDING STOP	36 X 36	-	7.46	-	-	-	-	-	-	1	-	BAND TO POLE	
R6-3 2-4 R5-1	DIVIDED HWY DO NOT ENTER	30 X 24 36 X 36	5.00 9.00	-	-	-	-	-	-	-	<u>-</u> 1	-	BAND TO POLE	
2-5 R6-2L	ONE WAY LEFT	24 X 30	5.00	-	-	-	-	-	-	-	-	-	BAND TO POLE, REMOVAL PAID UNDER 2-4	
2-6 R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	-	-	-	-	1	-	BAND TO POLE	
2-7 R5-1A 2-8 J13-1	WRONG WAY CTH CC	42 X 30 36 X 66	8.75 16.50	-	-	-	-	1	-	-	1	1	REMOVAL PAID UNDER 2-7	
2-0 313-1	LEFT ARROW	- X -	-	-	-		-	-	-	-	-	-	REWOVAL FAID UNDER 2-1	
2-9 R3-56L	LEFT TURN LANE	36 X 48	12.00	-	-	-	1	-	-	-	1	1		
2-10 J1-1	JCT CTH CC	36 X 57 - X -	14.25	-	-	-	1	-	-	-	1	2		
2-11 M1-94	FOLSOMST	60 X 24	- 10.00	-	-	2	-	-	-	-	-	-	REMOVAL PAID UNDER 2-10	
2-12 J1-1	JCT	36 X 57	14.25	-	-	-	1	-	-	-	1	2		
0.40	CTHCC	- X -	-	-	-	-	-	-	-	-	-	-	DEMOVAL DAID LINDED 0.44	
2-13 M1-94 2-14 R5-1A	FOLSOM ST WRONG WAY	60 X 24 42 X 30	10.00 8.75	- -	-	1	- -	-	-	-	- 1	- 1	REMOVAL PAID UNDER 2-11	
2-15 R6-2L	ONE WAY LEFT	24 X 30	5.00	-	-	-	=	-	=	-	1	<u> </u>	BAND TO POLE	
2-16 R5-1	DO NOT ENTER	36 X 36	9.00	-	-	-	-	-	-	-	-	-	BAND TO POLE, REMOVAL PAID UNDER 2-15	
2-17 J13-1	CTH CC RIGHT ARROW	36 X 66 - X -	16.50 -	-	-	-	-	-	-	-	- -	-		
2-18 R1-1F	FOLDING STOP	36 X 36	-	7.46	-	-	-	-	-	-	1	-	BAND TO POLE	
R6-3	DIVIDED HWY	30 X 24	5.00	-	-	-	-	-	-	-		-	BAND TO POLE	
2-19 R1-1 R1-53	STOP RIGHT TURN OBEY THIS SIGN	36 X 36 24 X 30	7.46 5.00	- -	- -	- -	- -	-	-	- -	-	-		
2-20 J4-1	EAST	36 X 54	13.50		-	-	1	-	-	-	1	1		
0.04	USH 12	- X -	-	-	-	-	-	-	-	-	-	- 1		
2-21 R2-1 2-22 R2-1	SPEED LIMIT 45 SPEED LIMIT 45	36 X 48 36 X 48	12.00 12.00	-	-	-	1 1	-	-	-	1	1		
2-23 M1-94	MOHOLT DR	60 X 24	10.00	-	-	2	-	-	-	-	1	2		
2-24 R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1	D. W.D. TO. DO. 5	
2-25 R2-1 2-26 R4-7	SPEED LIMIT 45 KEEP RIGHT	36 X 48 36 X 48	12.00 12.00	-	-	-	-	-	-	-	1	-	BAND TO POLE BAND TO POLE	
2-27 R1-1	STOP	36 X 36	7.46	-	-	-	-	1	-	-	1	1	BARBTOTOLL	
R1-53	RIGHT TURN OBEY THIS SIGN	24 X 30	5.00	-	-	-	-	-	-	-	-	-		
2-28 R1-1F R6-3	FOLDING STOP DIVIDED HWY	36 X 36 30 X 24	5.00	7.46	-	-	-	-	-	-	1	-	BAND TO POLE BAND TO POLE	
2-29 R5-1	DO NOT ENTER	36 X 36	9.00	-	-	-	-	-	-	-	1	-	BAND TO POLE	
2-30 R6-2L	ONE WAY LEFT	24 X 30	5.00	-	-	-	-	-	-	-	-	-	BAND TO POLE, REMOVAL PAID UNDER 2-29	
2-31 R5-1A 2-32 R3-56L	WRONG WAY LEFT TURN LANE	42 X 30 36 X 48	8.75 12.00	-	-	1	1	-	-	-	1	1		
2-33 R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1		
2-34 R3-56L	LEFT TURN LANE	36 X 48	12.00	-	-	-	1	-	-	-	1	1		
2-35 R5-1A 2-36 R6-2L	WRONG WAY ONE WAY LEFT	42 X 30 24 X 30	8.75 5.00	-	-	1 -	_	-	-	-	1	1	BAND TO POLE	
2-37 R5-1	DO NOT ENTER	36 X 36	9.00	-	-	-	-	-	-	-	-	-	BAND TO POLE, REMOVAL PAID UNDER 2-36	
2-38 R1-1F	FOLDING STOP	36 X 36	-	7.46	-	-	-	-	-	-	1	-	BAND TO POLE	
R6-3 2-39 R4-7	DIVIDED HWY KEEP RIGHT	30 X 24 36 X 48	5.00 12.00	<u>-</u>	-	-	-	-	<u>-</u>	-	- 1	-	BAND TO POLE BAND TO POLE	
2-40 R1-1	STOP	36 X 36	7.46	-	-	-	- -	1	-	-	1	1	BAND TO FOLL	
R1-53	RIGHT TURN OBEY THIS SIGN	24 X 30	5.00	-	-	-	-	-	-	-	-	-		
2-41 R2-1 2-42 R2-1	SPEED LIMIT 45 SPEED LIMIT 45	36 X 48 36 X 48	12.00 12.00	-	-	-	1	-	-	-	1	1		
2-42 K2-1 2-43 M1-94	VINE ST	48 X 24	8.00	<u> </u>	-	1	-	-	-	-	1	1		
3-1 M1-94	MOHOLT DR	60 X 24	10.00	-	-	2	-	-	-	-	1	2		
3-2 M1-94 3-3 W4-2R	MOHOLT DR RIGHT LANE DROP	60 X 24 36 X 36	10.00	-	9.00	2	- 1	-	-	-	1	2		
3-4 W9-1R	RIGHT LANE ENDS	36 X 36	-	-	9.00	-	1	-	-	-	1	1		
3-5 R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	-	-	-	-	1		BAND TO POLE	
3-6 R1-1 R1-53	STOP RIGHT TURN OBEY THIS SIGN	36 X 36 24 X 30	7.46 5.00	-	-	-	-	1	-	-	1	1		
3-7 R1-1F	FOLDING STOP	36 X 36	5.00	7.46	-	-	-	-	-	-	1	-	BAND TO POLE	
R6-3	DIVIDED HWY	30 X 24	5.00	-	-	-	-	-	-	-	-	-	BAND TO POLE	
3-8 R6-2L	ONE WAY LEFT YIELD	24 X 30	5.00	-	-	-	-	-	-	-	1	-	BAND TO POLE	
3-9 R1-2 3-10 R5-1	DO NOT ENTER	48 X 42 36 X 36	7.00 9.00	-	-	-	1	-	-	-	1	1		
3-11 R5-1A	WRONG WAY	42 X 30	8.75	-	-	1	-	-	-	-	1	1		
3-12 R3-56L	LEFT TURN LANE	36 X 48	12.00	-	-	-	1	-	-	-	1	1	OVERVIEWS SUBSCIE	
3-13 W9-62 3-14 R3-56L	THIS LANE ENDS LEFT TURN LANE	48 X 60 36 X 48	12.00	-	20.00	-	- 1	-	-	-	1 1	- 1	OVERHEAD SUPPORT	
3-14 R3-36L 3-15 R5-1A	WRONG WAY	42 X 30	8.75	- -	-	1	-	-	- -	- -	1	1		
3-16 R1-2	YIELD	48 X 42	7.00	-	-	-	1	-	-	-	1	1		
3-17 R6-2L 3-18 R1-1F	ONE WAY LEFT FOLDING STOP	24 X 30 36 X 36	5.00	7.46	-	-	-	-	-	-	1	-	BAND TO POLE BAND TO POLE	ALL ITEMS : == =
7-16 K1-1F R6-3	DIVIDED HWY	30 X 24	5.00	-	- -	- -	- -	- -	- -	-	-	-	BAND TO POLE	ALL ITEMS ARE C
		=	570.80	44.76	38.00	16	19	6	0	0	54	39		UNLESS NOTEL
SHEET SUBTOTALS			570.80											

_
-2
J
_

				637.2210	637.2215	637.2230	634.0614	MS CONT. 634.0616	634.0618	634.0620	634.0805	638.2602	638.3000		
				SIGNS TYPE II			POSTS WOOD	POSTS WOOD	POSTS WOOD	POSTS WOOD	POSTS TUBULAR	REMOVING SIGNS	REMOVING SMALL		
SIGN GROUP		OLONIA ESCA A OF	SIGN SIZE	REFLECTIVE H		REFLECTIVE F	4X6-INCH X 14-FT	4X6-INCH X 16-FT	4X6-INCH X 18-FT		STEEL 2X2-INCH X 5-FT		SIGN SUPPORTS	DEMARKO	
NUMBER	SIGN CODE	SIGN MESSAGE	W X H (INCHES)	SF	SF	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	REMARKS	
3-19	R1-1	STOP	36 X 36	7.46	-	_	-	_	1	-	_	1	1		
	R1-53	RIGHT TURN OBEY THIS SIGN	24 X 30	5.00	-	-	-	-	-	-	-	-	-		
3-20	R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	-	-	-	-	1	<u>.</u>	BAND TO POLE	
3-21	J4-1	EAST USH 12	36 X 54 - X -	13.50	-	-	-	1	-	-	-	1	1		
3-22	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	-	-	-	<u> </u>	1	-	BAND TO POLE	
3-23	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	_	-	1	-	-	-	1	1		
3-24	M1-94	VINE ST	48 X 24	8.00	-	-	1	-	-	-	-	1	1		
3-25	M1-94	VINE ST	48 X 24	8.00	-	-	1	-	-	-	-	1	1		
3-26	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1		<u></u>
3-27 3-28	R2-1 J4-1	SPEED LIMIT 45 WEST	36 X 48 36 X 54	12.00 13.50	-	-	-	1	-	-	-	1	1		
3-20	3 - 1	USH 12	- X -	-	-	-	-	-	-	-	-	-	-		
3-29	R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	-	-	-	-	1	-	BAND TO POLE	
3-30	R1-1	STOP	36 X 36	7.46	-	-	-	-	1	-	-	1	1		
	R1-53	RIGHT TURN OBEY THIS SIGN	24 X 30	5.00	-	-	-	-	-	-	-	-	-		
3-31	R1-1F R6-3	FOLDING STOP	36 X 36	-	7.46	-	-	-	-	-	-	1	-	BAND TO POLE	
3-32	R6-2L	DMDED HWY ONE WAY LEFT	30 X 24 24 X 30	5.00 5.00	-	-	-	-	-	-	-	1	-	BAND TO POLE BAND TO POLE	
3-33	R1-2	YIELD	48 X 42	7.00	-	-	-	1	-	-	-	1	1		
3-34	R5-1	DO NOT ENTER	36 X 36	9.00	=	-	=	1	-	-	-	1	1		
3-35	J1-1	JCT	36 X 57	14.25	-	-	-	1	-	-	-	1	2		
3-36	M1-94	CTH E CAMERON ST	- X - 66 X 24	- 11.00	-	-	- 2	-	-	-	-	-	-	DEMOVAL DAID LINDED 2.25	
3-36 3-37	J1-1	JCT	36 X 57	14.25	-	-	-	- 1	-	-	-	- 1	2	REMOVAL PAID UNDER 3-35	
0 01	01-1	CTHE	- X -	-	-	-	-	<u> </u>	-	-	-	<u>-</u>	-		
3-38	M1-94	CAMERON ST	66 X 24	11.00	-	-	2	-	-	-	-	-	-	REMOVAL PAID UNDER 3-37	
3-39	R3-56L	LEFT TURN LANE	36 X 48	12.00	-	-	-	1	-	-	-	1	1		
3-40	D9-2	HOSPITAL	36 X 36	9.00	-	-	-	-	1	-	-	1	1		
2.41	M6-1 M1-94	LEFT ARROW LEFT ARROW DOWNTOWN	30 X 30	6.25 7.50	-	-	2	-	-	-	-	-			
3-41 3-42	R5-1A	WRONG WAY	72 X 15 42 X 30	8.75	-	-	1	-	-	-	-	1	1		
3-43	J13-1	CTHE	36 X 66	16.50	-	-	-	-	1	-	-	1	1		
		RIGHT ARROW	- X -	-	-	-	-	-	-	-	-	-	-		
3-44	R5-1	DO NOT ENTER	36 X 36	9.00	-	-	-	-	-	-	-	-	-	REMOVAL PAID UNDER 3-43	
3-45	R1-2	YIELD	48 X 42	7.00	-	-	-	1	-	-	-	1	1	PAND TO DOLE	
3-46 3-47	R10-10L R6-2L	LEFT TURN SIGNAL ONE WAY LEFT	24 X 30 24 X 30	5.00 5.00	-	-	-	-	-	-	-	1	-	BAND TO POLE BAND TO POLE	
3-48	R1-1F	FOLDING STOP	36 X 36	-	7.46	_	_	_	-	-	_	-	_	BAND TO POLE	
	R6-3	DMDED HWY	30 X 24	5.00	-	-	-	-	-	-	-	-	-	BAND TO POLE	
3-49	R1-1	STOP	36 X 36	7.46	-	-	-	-	1	-	-	1	1		
0.50	R1-53	RIGHT TURN OBEY THIS SIGN	24 X 30	5.00	-	-	-	-	-	-	-	-	-	DAND TO DOLE	
3-50 3-51	R4-7 R10-10L	KEEP RIGHT LEFT TURN SIGNAL	36 X 48 24 X 30	12.00 5.00	-	-	- -	-	-	-	-	1	-	BAND TO POLE BAND TO POLE	
3-52	J4-1	EAST	36 X 54	13.50	-	-	-	1	_	-	-	1	1	BAND TO TOLL	
		USH 12	- X -	-	-	-	-	-	-	-	-	-	=		
4-1	M1-94	DOWNTOWN RIGHT ARROW	72 X 15	7.50	-	-	2	-	-	-	-	1	2		
4-2	D9-2 M6-1	HOSPITAL LEFT ARROW	36 X 36 30 X 30	9.00 6.25	-	-	-	-	1	-	-	1	1		
4-3	R3-56L	LEFT ARROW LEFT TURN LANE	30 X 30 36 X 48	12.00	-	-	-	- 1	-	-	-	- 1	- 1		
4-4	W3-3	STOP LIGHT AHEAD	36 X 36	-	-	9.00	-	1	-	-	-	1	1		
4-5	W3-3	STOP LIGHT AHEAD	36 X 36	-	-	9.00	-	1	-	-	-	1	1		
4-6	J1-1	JCT	36 X 57	14.25	-	-	-	1	-	-	-	1	1		
4-7	14.4	CTH E JCT	- X - 36 X 57	- 14.25	-	-	-	-	-	-	-	-	-		
4-7	J1-1	CTH E	- X -	14.25	-	-	-	- 1		-		<u>'</u>			
4-8	M1-94	CAMERON ST	66 X 24	11.00	-	_	2	_	_	-	_	_	-	REMOVAL PAID UNDER 4-7	
4-9	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1		
4-10	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1		
4-11	R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	-	-	-	-	1	-	BAND TO POLE	<u></u>
4-12	R1-1 R6-3	STOP DMDED HWY	36 X 36 30 X 24	7.46 5.00	-	-	-	-	-	-	-	-	<u>'</u>		
4-13	R5-1	DO NOT ENTER	36 X 36	9.00	-	-	-	-	1	-	-	1	1		
4-14	R6-2L	ONE WAY LEFT	24 X 30	5.00	-	-	-	-	-	-	-	-	-	REMOVAL PAID UNDER 4-13	
4-15	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1		
4-16	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	-	-	-	-	1	-	BAND TO POLE	
4-17	M1-94	CRESTVIEW DR	72 X 24	12.00	-	-	2	-	-	-	-	1	2		
4-18 4-19	M1-94 D7-52	CRESTVIEW DR ROAD TO	72 X 24 60 X 36	12.00 15.00	- -	-	- -	2	-	-	-	1	2		
7 10	D1 02	CARSON PARK	- X -	-	-	-	-	-	-	-	-	-	-		
		1 MILE	- X -	-	-	-	-	-	-	-	-	-	-		
4-20	R3-56L	LEFT TURN LANE	36 X 48	12.00	-	-	-	1	-	-	-	1	1		
4-21	R5-1A	WRONG WAY	42 X 30	8.75	-	-	1	-	-	-	-	1	1		
			=	570.84	14.92	18.00	18	24	7	0	0	49	46		
SHEET SUBTO	OTAL C														ALL ITEMS ARE CATE

SIGNING ITEMS CONT.

HWY:USH 12

PROJECT NO: 7090-01-61

3

COUNTY: EAU CLAIRE

MISCELLANEOUS QUANTITIES

E

SHEET

				007.0040	007.0045	007 0000	SIGNING ITE		004.0040	004.0000	004.0005	000 0000	000 0000	
SIGN GROUP			SIGN SIZE	637.2210 SIGNS TYPE II REFLECTIVE H		637.2230 SIGNS TYPE II REFLECTIVE F	634.0614 POSTS WOOD 4X6-INCH X 14-FT	634.0616 POSTS WOOD 4X6-INCH X 16-FT	634.0618 POSTS WOOD 4X6-INCH X 18-FT	634.0620 POSTS WOOD 4X6-INCH X 20-FT	634.0805 POSTS TUBULAR STEEL 2X2-INCH X 5-FT	638.2602 REMOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS	
NUMBER	SIGN CODE	SIGN MESSAGE	W X H (INCHES)	SF	SF	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	REMARKS
4-22	R6-2L	ONE WAY LEFT	24 X 30	5.00	-	-	-	-	1	-	-	1	1	
4-23	R5-1	DO NOT ENTER	36 X 36	9.00	-	-	-	-	-	-	-	-	-	REMOVAL PAID UNDER 4-22
4-24	R1-1 R6-3	STOP DIMDED HWY	36 X 36 30 X 24	7.46 5.00	-	-	-	1	-	-	-	1	1	
4-25	R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	-	-	-	-	1	-	BAND TO POLE
4-26	R3-56L	LEFT TURN LANE	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
4-27 4-28	R5-1A M1-94	WRONG WAY CRESTVIEW DR	42 X 30 72 X 24	8.75 12.00	-	-	1 2	-	-	-	-	1	1	
4-29	M1-94	CRESTVIEW DR	72 X 24	12.00	<u>-</u>	-	2	-	<u>-</u>	-	-	1	2	
4-30	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
4-31 4-32	R2-1 R1-1	SPEED LIMIT 45 STOP	36 X 48 36 X 36	12.00 7.46	-	-	-	1 1	-	-	-	1	1 1	
4-32	R6-3	DIVIDED HWY	30 X 24	5.00	-	-	- -	-	-	-	-	-	-	
4-33	R5-1	DO NOT ENTER	36 X 36	9.00	-	-	-	-	1	-	-	1	1	
4-34 4-35	R6-2L M1-94	ONE WAY LEFT LT ARROW CURTISS/ LAMPLIGHTER RT ARROW	24 X 30 96 X 30	5.00 20.00	-	-	-	2	-	-	-	<u>-</u> 1	- 2	REMOVAL PAID UNDER 4-33
4-36	M1-94	LT ARROW CURTISS/ LAMPLIGHTER RT ARROW	96 X 30	20.00	-	-	-	2	-	-	-	1	2	
4-37	R3-56L	LEFT TURN LANE	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
4-38	R5-1A	WRONG WAY	42 X 30	8.75	-	-	1	-	-	-	-	1	1	RAND TO DOLE
4-39 4-40	R4-7 R6-2L	KEEP RIGHT ONE WAY LEFT	36 X 48 24 X 30	12.00 5.00	<u> </u>	-				-		1 1	<u>-</u> 1	BAND TO POLE
4-41	R5-1	DO NOT ENTER	36 X 36	9.00	-	-	-	-	-	-	-	-	-	REMOVAL PAID UNDER 4-40
4-42	R1-1	STOP	36 X 36	7.46	-	-	-	1	-	-	-	1	1	
4-43	R6-3 R4-7	DMDED HWY KEEP RIGHT	30 X 24 36 X 48	5.00 12.00	-	-	-	-	-	-	-	- 1	-	BAND TO POLE
4-44	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1	Bridge 101 OLL
4-45	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
5-1 5-2	R3-56L R5-1A	LEFT TURN LANE WRONG WAY	36 X 48 42 X 30	12.00 8.75	-	-	- 1	1 -	-	-	-	1	1 1	
5-2 5-3	M1-94	LT ARROW LAMPLIGHTER/CURTISS RT ARROW	96 X 30	20.00	- -	-	-	2	-	-	-	1	2	
5-4	M1-94	LT ARROW LAMPLIGHTER/CURTISS RT ARROW	96 X 30	20.00	-	-	-	2	-	-	-	1	2	
5-5	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
5-6 5-7	R2-1 R3-56L	SPEED LIMIT 45 LEFT TURN LANE	36 X 48 36 X 48	12.00 12.00	-	-	-	1	-	-	-	1	1	
5-8	R1-1	STOP	36 X 36	7.46	-	-	-	1	-	-	-	1	1	
	R6-3	DIVIDED HWY	30 X 24	5.00	-	-	-	-	-	-	-	-	-	
5-9 5-10	R5-1 R6-2L	DO NOT ENTER ONE WAY LEFT	36 X 36 24 X 30	9.00 5.00	-	-	-	-	1	-	-	1	1	REMOVAL PAID UNDER 5-9
5-11	R5-1A	WRONG WAY	42 X 30	8.75	-	-	1	-	-	-	-	1	1	REMOVAL FAID UNDER 3-9
5-12	155-56	ADOPT-A-HWY	30 X 36	7.50	-	-	-	1	-	-	-	1	1	
5-13	R2-1	RETIRED EMPLOYEES OF DOT AND WIVES SPEED LIMIT 45	- X - 36 X 48	- 12.00	-	-	-	-	-	-	-	- 1	- 1	
5-14	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	-	-	-	-	1	-	BAND TO POLE
5-15	J4-1	WEST	36 X 54	13.50	-	-	-	-	-	-	-	1	-	BAND TO POLE
- F 16	R5-1	USH 12	- X - 36 X 36	- 0.00	-	-	-	-	-	-	-	<u>-</u> 1	-	BAND TO POLE
5-16 5-17	R1-1F	DO NOT ENTER FOLDING STOP	36 X 36	9.00	7.46	-	- -	-	- -	- -	-	-	- -	BAND TO POLE BAND TO POLE, REMOVAL PAID UNDER 5-16
	R6-3	DIVIDED HWY	30 X 24	5.00	-	-	-	-	-	-	-	-	-	BAND TO POLE, REMOVAL PAID UNDER 5-16
5-18	R4-7	KEEP RIGHT	36 X 48	12.00	- 7.40	-	-	-	-	-	-	1	-	BAND TO POLE
5-19	R1-1F R6-3	FOLDING STOP DIVIDED HWY	36 X 36 30 X 24	5.00	7.46		-	<u> </u>	<u> </u>	<u> </u>	<u>-</u>	-		BAND TO POLE BAND TO POLE
5-20	R6-2L	ONE WAY LEFT	24 X 30	5.00	-	-	-	-	-	-	-	1	-	BAND TO POLE
5-21	R5-1	DO NOT ENTER	36 X 36	9.00	-	-	-	-	-	-	-	1	-	BAND TO POLE
5-22 5-23	W12-1D R5-1A	DOUBLE DIAGONAL ARROW WRONG WAY	30 X 30 42 X 30	- 8.75	-	6.25	- 1	-	-	-	1	- 1	- 1	
5-24	R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
5-25	R6-2L	ONE WAY LEFT	24 X 30	5.00	-	-	-	-	1	-	-	1	1	
5-26 5-27	R5-1 R1-1	DO NOT ENTER STOP	36 X 36 36 X 36	9.00 7.46	-	-	-	- 1	-	-	-	- 1	- 1	
3-27	R6-3	DIVIDED HWY	30 X 24	5.00	-	-	-	-	-	-	-	-	-	
5-28	R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	-	-	-	-	1	-	BAND TO POLE
5-29 5-30	R3-56L M1-94	LEFT TURN LANE MENOMONIE ST	36 X 48 90 X 15	12.00 9.38	-	-	- 2	1	-	-	-	1	1 2	
5-30 5-31	W3-3	STOP LIGHT AHEAD	36 X 36	9.36	-	9.00	-	- 1	-	=	-	1	1	
5-32	W3-3	STOP LIGHT AHEAD	36 X 36	-	-	9.00	-	1	-	-	-	1	1	
5-33	M1-94	LEFT ARROW CARSON PARK	60 X 24	10.00	-	-	-	2	-	-	-	1	2	
5-34 5-35	R5-1A R5-1	WRONG WAY DO NOT ENTER	42 X 30 36 X 36	8.75 9.00	-	-	-	-	-	- -	-	1	-	BAND TO POLE
5-36	R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	-	-	-	-	1	-	BAND TO POLE
5-37	R6-2L	ONE WAY LEFT	24 X 30	5.00	-	-	-	-	-	=	-	1	-	BAND TO POLE
5-38 5-39	R10-10L R1-1F	LEFT TURN SIGNAL FOLDING STOP	24 X 30 36 X 36	5.00	- 7.46	-	- -	- -	- -	- -	- -	1 1	- -	BAND TO POLE BAND TO POLE
2 00	R6-3	DIMDED HWY	30 X 24	5.00	-	-	-	-	-	-	-	-	-	BAND TO POLE
SHEET SUBT	OTALS			626.18	22.38	24.25	12	31	5	0	1	55	48	ALL ITEMS ARE CATEGORY 001
														UNLESS NOTED OTHERWISE.
					1									

HWY:USH 12

PROJECT NO: 7090-01-61

3

COUNTY: EAU CLAIRE

PLOT NAME :

SHEET

							SIGNING ITE	MS CONT.						
				637.2210 SIGNS TYPE II	637.2215 SIGNS TYPE II FOLDING	637.2230 SIGNS TYPE II	634.0614 POSTS WOOD	634.0616 POSTS WOOD	634.0618 POSTS WOOD	634.0620 POSTS WOOD	634.0805 POSTS TUBULAR	638.2602 REMOVING SIGNS	638.3000 REMOVING SMALL	
SIGN GROU	IP		SIGN SIZE	REFLECTIVE H	REFLECTIVE H	REFLECTIVE F	4X6-INCH X 14-FT	4X6-INCH X 16-FT	4X6-INCH X 18-FT	4X6-INCH X 20-FT	STEEL 2X2-INCH X 5-FT	TYPE II	SIGN SUPPORTS	
NUMBER	SIGN CODE	SIGN MESSAGE	W X H (INCHES)	SF	SF	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	REMARKS
5-40	R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	-	-	-	-	-	-	BAND TO POLE, REMOVAL PAID UNDER 5-39
5-41	R1-1F	FOLDING STOP	36 X 36	-	7.46	-	-	-	-	-	-	1	-	BAND TO POLE
	R6-3	DIVIDED HWY	30 X 24	5.00	-	-	-	-	-	-	-	-	-	BAND TO POLE
5-42	R5-1	DO NOT ENTER	36 X 36	9.00	-	-	-	-	-	-	-	-	-	BAND TO POLE, REMOVAL PAID UNDER 5-41
5-43	J4-1	EAST	36 X 54	13.50	-	-	-	-	-	-	-	1	-	BAND TO POLE
_		USH 12	- X -	-	-	-	-	-	-	-	-	-	-	
5-44	R10-10L	LEFT TURN SIGNAL	24 X 30	5.00	-	-	-	-	-	-	-	1	-	BAND TO POLE
5-45	R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	-	-	-	-	1	-	BAND TO POLE
6-1	M1-94	CARSON PARK RIGHT ARROW	60 X 24	10.00	-	-	2	-	-	-	-	1	2	
6-2	W3-3	STOP LIGHT AHEAD	36 X 36	-	-	9.00	-	1	-	-	-	1	1	
6-3	W3-3	STOP LIGHT AHEAD	36 X 36	-	-	9.00	-	-	-	-	-	1	-	BAND TO POLE
6-4	R3-56L	LEFT TURN LANE	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
6-5	M1-94	MENOMONIE ST	90 X 15	9.38	-	-	2	-	-	-	-	1	2	
6-6	M1-94	MENOMONIE ST	90 X 15	9.38	-	-	2	-	-	-	-	1	2	
6-7	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	-	-	-	-	1	-	BAND TO POLE
6-8	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
6-9	M1-94	CHIPPEWA RIVER	84 X 15	8.75	-	-	2	-	-	-	-	1	2	
6-10	M1-94	CHIPPEWA RIVER	84 X 15	8.75	-	-	2	-	-	-	-	1	2	
6-11	R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
6-12	R1-1	STOP	36 X 36	7.46	-	-	1	-	-	-	-	1	1	
6-13	R5-1	DO NOT ENTER	36 X 36	9.00	-	-	-	-	1	-	-	1	1	
6-14	R6-2L	ONE WAY LEFT	24 X 30	5.00	-	-	-	-	-	-	-	-	-	REMOVAL PAID UNDER 6-13
6-15	R5-1A	WRONG WAY	42 X 30	8.75	-	-	1	-	-	-	-	1	1	
6-16	R3-56L	LEFT TURN LANE	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
6-17		DEPARTMENT OF RIGHT ARROW	114 X 24	19.00	-	-	-	-	2	-	-	1	2	
		NATURAL RESOURCES	- X -	-	-	-	-	-	-	-	-	-	-	
6-18		LEFT ARROW DEPARTMENT OF	114 X 24	19.00	-	-	-	-	2	-	-	1	2	
		NATURAL RESOURCES	- X -	-	-	-	-	-	-	-	-	-	-	
6-19	R3-56L	LEFT TURN LANE	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
6-20	155-56	ADOPT-A-HWY	30 X 36	7.50	-	-	-	1	-	-	-	1	1	
		PEACE LUTHERAN CONFIRMATION	- X -	-	-	-	-	-	-	-	-	-	-	
		YOUTH GROUPS	- X -	-	-	-	-	-	-	-	-	-	-	
6-21	R5-1A	WRONG WAY	42 X 30	8.75	-	-	-	-	-	-	-	-	-	REMOVAL PAID UNDER 6-20
6-22	R6-2L	ONE WAY LEFT	24 X 30	5.00	-	-	-	-	1	-	-	1	1	
6-23	R5-1	DO NOT ENTER	36 X 36	9.00	-	-	-	-	-	-	-	-	-	REMOVAL PAID UNDER 6-22
6-24	R1-1	STOP	36 X 36	7.46	-	-	-	1	-	-	-	1	1	
	R6-3	DIVIDED HWY	30 X 24	5.00	-	-	-	-	-	-	-	-	-	
6-25	R4-7	KEEP RIGHT	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
6-26	M1-94	CRAIG RD	54 X 24	9.00	-	-	2	-	-	-	-	1	2	
6-27	W3-3	STOP LIGHT AHEAD	36 X 36	-	-	9.00	-	1	-	-	-	1	1	
6-28	W3-3	STOP LIGHT AHEAD	36 X 36	-	-	9.00	-	1	-	-	-	1	1	
7-1	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
7-2	R3-56L	LEFT TURN LANE	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
7-3	R2-1	SPEED LIMIT 45	36 X 48	12.00	-	-	-	1	-	-	-	1	1	
SHEET SUB	TOTALS			342.67	7.46	36.00	14	14	6	0	0	32	34	-
ITEM TOTAL	.S			2520.66	104.44	134.25	68	101	30	2	1	220	193	

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE.

PROJECT NO: 7090-01-61 HWY: USH 12 COUNTY: EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET **E**

2
_<

	ALL ITEMS ARE (CATEGORY 0010 UNL	ESS NOTE	D OTHERV		AVEMENT	MARKING										<u>PAVEI</u>	MENT MAI	RKING COI	NT.				
	OTATION:	10017:2::	EPOXY 4-INCH	EPOXY 8-INCH	ARROWS EPOXY TYPE 1	647.0166 ARROWS EPOXY TYPE 2	WORDS EPOXY	CURB EPOXY	LINE EPOXY 18-INCH	647.0606 ISLAND NOSE EPOXY	647.0766 CROSSWALK EPOXY 6-INCH	DENANCE	OTATION:	1001713	EPOXY 4-INCH	EPOXY 8-INCH	EPOXY TYPE 1	ARROWS EPOXY TYPE 2		647.0456 CURB EPOXY	LINE EPOXY 18-INCH	ISLAND C NOSE EPOXY	647.0766 ROSSWALK EPOXY 6-INCH	DEMONS
$\frac{1}{2}$	STATION	LOCATION	LF	LF	EACH	EACH	EACH	LF	LF	EACH	LF	REMARKS	STATION	LOCATION	LF	LF	EACH	EACH	EACH	LF	LF	EACH	LF	REMARKS
	USH 12'EB' 63+67 - 244+17 63+70 - 244+17 63+67 - 107+00	EB LANE LINE WB LANE LINE EB LANE EDGE RT	7400 7500 3150	- - -	- -	-	- - -	- -	- - -	- - -	- - -	WHITE SKIP WHITE SKIP WHITE	USH 12'EB' 129+00 129+00 129+00	EB & WB WB EB	- -	-	-	- -	-	- - 30	- 50	- - 1	200	WHITE WHITE YELLOW
	63+70 - 107+00 75+00 - 80+00 78+25 - 79+75	WB LANE EDGE LT EB LANE EDGE EB CHANNELIZING	3000 500	- - 150	- -	-	-	-	-	-	-	WHITE YELLOW WHITE	129+00 - 131+00 129+00 - 133+00	WB CHANNELIZING WB LANE EDGE RT WB LANE EDGE LT	- 400 225	250	-	-	-	- - -	-	<u>:</u> 	-	WHITE YELLOW WHITE
	78+00 - 80+00 78+00 79+00	EB CHANNELIZING EB EB	-	200	-	- 1	- - 1	-	-	-	-	WHITE WHITE (RIGHT) WHITE (ONLY)	129+75 130+25 130+75	WB WB WB	- -	-	-	1 -	- 1	-	-	-	- -	WHITE (RIGHT) WHITE (ONLY) WHITE (RIGHT)
l	80+00 80+00	EB WB	-	-	-	1 -	-	10	-	<u>-</u> 1	-	WHITE (CNET) WHITE (RIGHT) YELLOW	131+00 - 131+75	EB CHANNELIZING EB LANE EDGE LT	825	175 -		-	-	-	-	-	-	WHITE YELLOW
	80+00 81+50	EB EB	- -	- -	- -	-	-	10	50 -	1	-	WHITE YELLOW	141+75 - 146+50 145+50 - 148+00	EB CHANNELIZING EB LANE EDGE RT	250	575 -	- -	-	- -	- -	- -	- -	-	WHITE WHITE
	81+50 81+50 - 83+75 81+50 - 86+00	WB WB CHANNELIZING WB	- i - 450	225	<u>-</u>	- -	<u>-</u>	- -	50 - -	- - -	- -	WHITE WHITE YELLOW	146+75 - 148+50 146+75 147+25	EB CHANNELIZING EB EB	<u>-</u> -	225 - -	<u>-</u>	- 1 -	- - 1	- - -	<u>-</u> -	<u>-</u>	- - -	WHITE WHITE (RIGHT) WHITE (ONLY)
	82+00 83+00	WB WB	-	-	-	1 -	- 1	-	-	-	-	WHITE (RIGHT) WHITE (ONLY)	147+75 148+50	EB WB	-	-	-	1 -	- -	- 10	-	- 1	-	WHITE (RIGHT) YELLOW
	83+25 - 84+00 84+00	WB CHANNELIZING WB	-	150 -	-	- 1	-	-	-	-	-	WHITE WHITE (RIGHT)	148+50 148+50	EB EB & WB	-	-	-	-	-	-	50 -	-	200	WHITE WHITE
	90+00 - 93+50 91+50 - 92+25 92+00 - 93+50	EB LANE EDGE LT EB CHANNELIZING EB CHANNELIZING	350 - -	- 150 150	- - -	-	-	- - -	-	- - -	- - -	YELLOW WHITE WHITE	150+00 150+00 150+00	EB & WB WB EB	- - -	- - -	-	- - -	- - -	- - 25	50 -	- - 1	200 - -	WHITE WHITE YELLOW
	92+00 92+50	EB EB	- -	-	-	1 -	- 1	-	- -	-	- -	WHITE (RIGHT) WHITE (ONLY)	150+00 - 152+75 150+00 - 154+25	WB CHANNELIZING WB LANE EDGE RT	- 425	325 -	- -	-	-	- -	- -	<u>-</u> -	-	WHITE YELLOW
	93+00 93+50 93+50	EB WB EB	-	-	-	1 -	-	- 10	- - 50	- 1	-	WHITE (RIGHT) YELLOW WHITE	150+75 - 154+00 150+75 151+25	WB LANE EDGE LT WB WB	325 -	-	-	1	- - 1	-	-	-	-	WHITE WHITE (RIGHT) WHITE (ONLY)
	93+75 94+50	EB & WB EB	- -	-	-	-	-	- - 10	- -	- 1	200	WHITE YELLOW	151+75 152+25	WB WB	- -	- - -	-	1 -	- 1	-	- - -	-	- - -	WHITE (RIGHT) WHITE (ONLY)
	94+75 94+75 - 97+00	WB WB CHANNELIZING		- 225	-	-	-	-	50 -	-	-	WHITE WHITE		WB EB CHANNELIZING	-	- 200	-	1 -	-	-	-	-	-	WHITE (RIGHT) WHITE
	94+75 - 98+25 95+00 96+00	WB WB WB	350 - -	-	-	1 -	- - 1	-	- - -	- -	- - -	YELLOW WHITE (RIGHT) WHITE (ONLY)	162+00 - 162+75	EB LANE EDGE LT EB CHANNELIZING EB LANE EDGE RT	300 - 225	150 -	-	- - -	- - -	-	- - -	- - -	- - -	YELLOW WHITE WHITE
	96+00 - 96+75 97+00	WB CHANNELIZING WB	-	150 -	-	- 1	-	-	-	-	-	WHITE WHITE (RIGHT)	162+75	EB CHANNELIZING EB	-	125 -	-	- 1	- -	- -	-	-	-	WHITE WHITE (RIGHT)
	107+50 - 111+50	EB LANE EDGE RT EB LANE EDGE LT EB CHANNELIZING	450 400 -	- - 200	-	-	-	-	- - -	- -	- - -	WHITE YELLOW WHITE	163+25 163+75 163+75	EB EB WB	-	-	-	1	1 - -	- - 10	-	- - 1	-	WHITE (ONLY) WHITE (RIGHT) YELLOW
		EB CHANNELIZING EB	-	150	-	- 1	-	-			-	WHITE WHITE (RIGHT)	165+00 165+00	EB WB	- - -	- -	- -	- 1	- -	25	- -	1 -	- - -	YELLOW WHITE (RIGHT)
l	110+50 111+00	EB EB	-	-	- -	- 1	1 -	- - 10	-	- - 4	-	WHITE (ONLY) WHITE (RIGHT)	165+00 - 167+50	WB CHANNELIZING WB LANE EDGE LT	- 250	125 -	-	-	-	-	-	-	-	WHITE WHITE
	111+50 111+50 111+50	WB EB EB & WB	<u>-</u> - -	<u>-</u> - -	<u>-</u> - -	- - -	<u>-</u> - -	- - -	50 -	- - -	- 200	YELLOW WHITE WHITE	165+25 - 168+25 165+50 166+00	WB LANE EDGE RT WB WB	300 - -	<u>-</u> - -	<u>-</u> - -	- - 1	1 -	<u>-</u> - -	<u>-</u> - -	<u>-</u> - -	<u>-</u> - -	YELLOW WHITE (ONLY) WHITE (RIGHT)
l	112+50 112+75	EB & WB WB	-	-	-	-	-	-	- 50	-	200	WHITE WHITE	166+25 - 167+00 174+25 - 177+25	WB CHANNELIZING EB LANE EDGE LT	- 300	150 -	-	- -	-	-	-	-	-	WHITE YELLOW
	112+75 113+00 112+75 - 115+00	EB WB WB CHANNELIZING	- -	- - 225	-	1	-	10 -	-	<u>1</u>	<u>-</u> -	YELLOW WHITE (RIGHT) WHITE	175+50 - 176+25	EB LANE EDGE RT EB CHANNELIZING EB CHANNELIZING	200	150 125	-	-	-	-	-	-	-	WHITE WHITE WHITE
	112+75 - 116+00	WB LANE EDGE RT WB LANE EDGE LT	325	- - -	-	- - -	- - -	- -	- - -	- -	- - -	WHITE WHITE YELLOW	176+25 - 177+25 176+25 176+75	EB CHANNELIZING EB EB	-	125 - -	- - -	- 1 -	- - 1	- - -	- - -	- - -	- - -	WHITE (RIGHT) WHITE (ONLY)
	113+50 114+00	WB WB	-	-	-	- 1	1 -	-	-	-	-	WHITE (ONLY) WHITE (RIGHT)	177+25 177+25	EB WB	-	-	-	<u>1</u>	-	10	-	<u>-</u> 1	-	WHITE (RIGHT) YELLOW
	114+50 114+75 - 115+50 115+00	WB WB CHANNELIZING WB	- ; - -	150 -	- - -	- - 1	1 - -	- - -	- - -	- - -	- - -	WHITE (ONLY) WHITE WHITE (RIGHT)		EB WB CHANNELIZING WB LANE EDGE RT	- - 325	125 -	- - -	- - -	- - -	25 - -	- -	1 - -	- -	YELLOW WHITE YELLOW
	123+50 - 127+25 124+25 - 126+50	EB LANE EDGE LT EB LANE EDGE RT	375 225	-	-	<u>-</u> -	-	-	-	-	-	YELLOW / WHITE	178+75 - 181+00 178+75	WB LANE EDGE LT WB	225	-	-	<u>-</u> 1	-	-	-	-	<u>-</u>	WHITE WHITE (RIGHT)
		EB CHANNELIZING EB CHANNELIZING	- -	200 200	-	- - 1	-	-	-	-	-	WHITE WHITE WHITE (RIGHT)	179+25 179+75 179+75 - 180+50	WB WB EB CHANNELIZING	-	- - 150	-	- 1	1 -	-	-	- -	-	WHITE (ONLY) WHITE (RIGHT) WHITE
	126+00 126+50 127+00	EB EB EB	- - -	-	- -	- 1	1 -	- -	- -	- -	- -	WHITE (RIGHT) WHITE (ONLY) WHITE (RIGHT)	195+50 - 198+75	EB CHANNELIZING EB LANE EDGE LT EB CHANNELIZING	325 -	150 - 150	- -	- -	- -	- -	- -	- -	- -	YELLOW WHITE
	127+50 127+50	WB EB	-	- -	-	- -	-	10 -	- 50	1 -	-	YELLOW ´ WHITE	198+75 199+75	WB EB	- -	-	- -	- -	- -	10 10	- -	1 1	- -	YELLOW YELLOW
	127+50 ITEM SUBTOTALS	EB & WB S	24900	2525	- 0	15	- 8	70	350	7	800	WHITE	199+75 - 201+00 ITEM SUBTOTALS	WB CHANNELIZING	4900	125 3125	- 0	- 15	- 8	155	150	9	600	WHITE
			24000	2020						<u>'</u>														
Į	PROJECT N	0: 7090-01-61			ни	Y:USH	12			CC	UNTY: EAL	J CLAIRE	MI	SCELLANEOUS	QUAN	TITIES							SHEET	E

PLOT NAME :

PAVEMENT MARKING CONT.									PAVEMENT MARKING CONT.													
STATION LOCATION	646.0106 EPOXY 4-INCH LF			647.0166 ARROWS EPOXY TYPE 2 EACH	WORDS	647.0456 CURB EPOXY LF	647.0566 STOP LINE EPOXY 18-INCH LF	647.0606 ISLAND NOSE EPOXY EACH	647.0766 CROSSWALK EPOXY 6-INCH LF	REMARKS	STATION	LOCATION	646.0106 EPOXY 4-INCH LF	646.0126 EPOXY 8-INCH LF		647.0166 ARROWS EPOXY TYPE 2 EACH	647.0356 WORDS			647.0606 ISLAND NOSE EPOXY EACH	647.0766 CROSSWALK EPOXY 6-INCH LF	REMARKS
USH 12'EB'		<u>_</u> .							_		TRUAX BLVD											
199+75 - 203+00 WB LANE EDGE R 199+75 - 202+00 WB LANE EDGE L1		-	-	-	-	-	-	-	-	YELLOW WHITE			-	500	-	4	4	75	72	1	-	
199+75 WB 200+25 WB	-	-	-	1 -	- 1	-	-	-	-	WHITE (RIGHT) WHITE (ONLY)	FOLSOM ST 602+30 - 602+90	LT	120	_	_	_	_	_	_	-	-	DOUBLE YELLOW
200+75 WB 200+25 - 201+00 WB CHANNELIZING	<u>-</u>	- 150		1		-	-	-	-	WHITE (RIGHT) WHITE	602+30 - 602+90 602+30	RT RT	-	60 -	-	- 1	-	-	-	-	-	WHITE WHITE (RIGHT)
201+00 - 207+25 EB LANE EDGE LT 202+00 - 205+75 EB CHANNELIZING	625	400	-	-	-	-	-	-	-	YELLOW WHITE	602+60 - 602+75 602+80	RT RT	-	30	-	-	- 1	-	-	-	-	WHITE WHITE (ONLY)
204+75 - 206+75 EB LANE EDGE RT	200	-	-	-	-	-	-	-	-	WHITE WHITE	602+90 603+90	RT	-	-	-	-	-	-	45 45	-	-	WHITE WHITE
205+75 - 207+00 EB CHANNELIZING 206+00 EB	-	125 -	-	1	<u> </u>	-	-	-	-	WHITE (RIGHT)	603+90 - 604+55	LT LT	-	160	-	-	-	-	45 -	-	-	WHITE
206+50 EB 207+00 EB	-	-	-	1	1 -	-	-	-	-	WHITE (ONLY) WHITE (RIGHT)	603+90 - 604+55 604+05	RT LT	130 -	-	-	2	-	-	-	-	-	DOUBLE YELLOW WHITE (LEFT/RIGHT)
207+00 EB 207+25 WB	-	-	-	-	<u>-</u> -	- 25	50 -	- 1	-	WHITE YELLOW	604+55	LT	-	-	-	-	2	-	-	-	-	WHITE (ONLY)
207+25 EB & WB 208+50 EB & WB	-	-	-	-	-	-	-	-	200 200	WHITE WHITE	MOHOLT DR 701+00 - 701+60	LT	120	-	-	-	-	-	-	-	-	DOUBLE YELLOW
208+50 - 235+00 EB LANE EDGE RT 208+75 - 235+00 EB LANE EDGE LT	2650 2625	-	-	-	-	-	-	-	-	WHITE YELLOW	701+00 - 701+60 701+30	RT RT	-	44	- 1	- 1	- -	-	-	-	-	WHITE WHITE (LEFT)
208+75	-	-	-	-	-	20	50	- 1	-	WHITE YELLOW	701+60 701+60 702+50 - 703+10	RT LT	-	- 100	- -	-	-	-	18	-	-	WHITE WHITE
208+75 - 235+00 WB LANE EDGE R		-	-	-	-	-	-	-	-	YELLOW	702+50 - 703+10	RT	120	-	-	-	-	-	- 50	-	<u> </u>	DOUBLE YELLOW
209+00 - 213+75 WB CHANNELIZING 210+00 - 212+75 EB CHANNELIZING	-	625 300	-	-	-	-	-	-	-	WHITE WHITE	702+50 702+80	LT LT	-	-	1	1	-	-	ວປ -	-	-	WHITE WHITE (LEFT)
211+00 - 235+00 WB LANE EDGE LT 211+00 WB	2400	-	-	<u>-</u> 1	-	-	-	-	-	WHITE WHITE (RIGHT)	VINE ST											
211+50 WB 212+00 WB	-	-	-	- 1	1 -	-	-	-	-	WHITE (ONLY) WHITE (RIGHT)	801+40 - 802+70 801+60 - 802+70	LT RT	260 -	- 110	-	-	-	-	-	-	-	DOUBLE YELLOW WHITE
213+00 WB 213+50 WB	-	-	-	- 1	1 -	-	-	-	-	WHITE (ONLY) WHITE (RIGHT)	802+00 802+50	RT RT	-	-	- 1	- 1	2	-	-	-	-	WHITE Only) WHITE (LEFT)
233+25 - 234+00 EB CHANNELIZING 234+00 - 235+25 EB CHANNELIZING		150 125	-	-	-	-	-	-	-	WHITE WHITE	802+70 803+75 - 804+95	RT RT	240	-	<u> </u>			-	40	-	-	WHITE DOUBLE YELLOW
234+00 EB	-	-	-	1	-	-	-	-	-	WHITE (RIGHT)	803+75 - 804+95 803+75	LT LT	-	260	-	-	-	-	- 40	-	-	WHITE WHITE
234+50 EB 235+00 EB		<u>-</u>		1	- -	<u>-</u>		-	-	WHITE (ONLY) WHITE (RIGHT)	804+00	LT	-	-	1	1	-	-	-	-	-	WHITE (LEFT)
235+00 WB 236+00 EB	-	-	-	-	-	10 20	-	1 1	-	YELLOW YELLOW	804+50	LT	-	-	-	-	2	-	-	-	-	WHITE (ONLY)
236+00 - 237+25 WB CHANNELIZING 236+00 - 239+50 WB LANE EDGE R		125 -	-	-	-	-	-	-	-	WHITE YELLOW	CAMERON ST 901+70 - 902+80	LT	220	_	_	_	-	-	-	-	-	DOUBLE YELLOW
236+00 - 238+25 WB LANE EDGE LT 236+00 WB	225	-	-	<u>-</u> 1	-	-	-	-	-	WHITE WHITE (RIGHT)	901+90 - 902+80 902+10	RT RT	-	190 -	-	-	- 2	-	-	-	-	WHITE WHITE (ONLY)
236+50 WB 237+00 WB	-	-	-	- 1	1	-	-	-	-	WHITE (ONLY) WHITE (RIGHT)	902+60 902+80	RT RT	-	-	1 -	1 -	-	-	- 40	-	-	WHITE (LEFT) WHITE
237+00 - 237+75 WB CHANNELIZING	- -	150	-	-	-	-	-	-	-	WHITE	903+95 - 905+15 903+95 - 905+15	LT RT	- 240	250	-	-	-	-	-	-	-	WHITE DOUBLE YELLOW
ITEM SUBTOTALS	12250	2150	0	11	6	75	100	4	400		903+95	LT	-	-	-	-	-	-	45	-	-	WHITE
											904+50 905+00	LT LT	-	-	1 -	1 -	2	-	-	-	-	WHITE (LEFT) WHITE (ONLY)
											CRESTVIEW DR											
											1002+15 1003+50	RT LT	-	-	-	-	-	-	20 20	-	-	WHITE WHITE
											CURTISS CT											
											1102+75 - 1103+1 1103+10	LT RT	70 -	-	-	-	-	-	20	-	-	DOUBLE YELLOW WHITE
											1104+45 1104+45 - 1104+9	LT RT	- 100	-	-	-	-	-	20 -	-	-	WHITE DOUBLE YELLOW
											MENOMONIE ST											
											1303+00 - 1303+5 1303+20	RT RT	-	100	- 1	- 2	- -	-	-	-	-	WHITE WHITE (LEFT/RIGHT)
											1303+20 1303+50 1303+50	LT & RT LT	-	-	-	-	-	- - 10	36	- 1	200	WHITE WHITE YELLOW
											1305+00	LT & RT		-		-		-	60	-	200	WHITE
											1305+10 1305+10 - 1305+7 1305+50	RT LT LT	- - -	195 -	- - 1	- - 3	- - -	10 - -	- - -	1 - -	- - -	YELLOW WHITE WHITE (LEFT/RIGHT)
											ITEM SUBTOTALS		1620	1999	8	18	15	95	571	3	400	=
ALL ITEMS ARE CATEGORY 0010 UN	LESS NOT	ED OTHERV	VISE.								ITEM TOTALS		43670	9799	8	59	37	395	1171	23	2200	=
								<u> </u>			<u> </u>										T	1_
PROJECT NO: 7090-01-6				WY:USH					DUNTY: EA			ELLANEOUS									SHEET	E
FILE NAME : P:\UZ\W\Witnw\125422\5	final-dsg	n\51-drawii	ngs\40-Tro	nsHwy\0301	01 mq.dgn			PLOT TIME	: 9:20:31 AM	PLOT DATE: 4	/29/2016	PLOT BY : SE	ΞH	PI	LOT NAME :			PLOT SCAL	LE : N/A		****	T/CADDS SHEET 43

SAWING

690.0250 CONCRETE

	CONTONE	
LOCATION	LF	REMARKS
EB & WB	2850	FOR CURB & GUTTER REPLACEMENT
EB & WB	6300	FOR TURN LANE AND ISLAND REPAIR
LT&RT	420	FOR INTERSECTION REPAIR
RT	140	
LT	75	
-	9785	=
	EB & WB EB & WB LT&RT RT	EB & WB 2850 EB & WB 6300 LT&RT 420 RT 140 LT 75

LOOP DETECTOR ITEMS

CONSTRUCTION STAKING

LOCATION

WB RT

EB LT

WB RT

WB RT

LT

STATION

USH 12'EB'

149+75 - 152+02

162+79 - 164+10

164+85 - 166+15

178+45 - 179+75

FOLSOM ST 603+88 - 604+52

603+98 - 604+52

ITEM TOTALS

109+47 - 111+69 EB LT 112+45 - 114+63 WB RT 126+29 - 127+56 EB LT 128+59 - 130+93 WB RT 146+58 - 148+78 EB LT

650.5500 CURB GUTTER AND

CURB & GUTTER

220

113

114

118

92

58

1659

650.9910 SUPPLEMENTAL

CONTROL

(7090-01-61)

LS

STATION	LOCATION	LOOP#	SIZE (FT)X(FT)		652.0800 CONDUIT LOOP DETECTOR LF	653.0208 JUNCTION BOXES 8x8x8-INCH EACH	653.0905 REMOVING PULL BOXES EACH	655.0800 LOOP DETECTOR WIRE LF
USH 12'EB'	MOUGHT INTERSECTION		0 10			_	_	0.5
108+07	MOHOLT INTERSECTION	1	6 x 18	4	60	1	1	65
111+40	MOHOLT INTERSECTION	2	6 x 30	4	90	1	1	95
112+80	MOHOLT INTERSECTION	3	6 x 30	4	90	1	1	95
123+55	VINE INTERSECTION	4	6 x 18	4	60	1	1	65
127+23	VINE INTERSECTION	5	6 x 30	4	90	1	1	95
129+00	VINE INTERSECTION	6	6 x 30	4	90	1	1	95
148+50	CAMERON INTERSECTION	7	6 x 30	4	90	1	1	95
150+10	CAMERON INTERSECTION	8	6 x 30	4	90	1	1	95
163+67	CRESTVIEW INTERSECTION	9	6 x 25	4	80	1	1	85
165+25	CRESTVIEW INTERSECTION	10	6 x 25	4	80	1	1	85
178+83	CURTISS INTERSECTION	11	6 x 25	4	80	1	1	85
ITEM TOTALS	•				900	11	11	955

CONSTRUCTION STAKING CONCRETE **PAVEMENT JOINT LAYOUT**

	SPV.0105.01
STATION	LS
USH 12	1
ITEM TOTAL	1

PREPARATION OF FOUNDATION FOR **ASPHALTIC PAVING SPECIAL**

	SPV.0105.02
STATION	LS
USH 12	1
ITEM TOTAL	1

CONCRETE PAVEMENT CENTERLINE JOINT REPAIR

		*416.0610 DRILLED								
		TIE BARS	SPV.0180.01							
STATION	LOCATION	EACH	SY							
USH 12	EB & WB	1600	450							
ITEM TOTA	LS =	1600	450							
* QUANTITY SHOWN ELSEWHERE IN PLANS										

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE.

SHEET

PROJECT NO: 7090-01-61 MISCELLANEOUS QUANTITIES HWY: USH 12 COUNTY: EAU CLAIRE

FILE NAME: P:\UZ\W\Witnw\125422\5-final-dsgn\51-drawings\40-TransHwy\030101 mq.dgn

PLOT TIME: 3:30:38 PM PLOT DATE: 8/9/2016 PLOT BY : SEH

PLOT NAME :

PLOT SCALE : N/A

Ε

CONCRETE SIDEWALK / MEDIAN

		*416.0610	602.0405	620.0300 CONCRETE	SPV.0165.01 CONCRETE SIDEWALK	SPV.0165.02 CONCRETE MEDIAN SLOPED NOSE	
		DRILLED	CONCRETE	MEDIAN	CURE AND	CURE AND	
		TIE BARS	SIDEWALK 4-INCH	SLOPED NOSE	SEAL TREATMENT	SEAL TREATMENT	
STATION	LOCATION		SF	SF	SF	SF	REMARKS
OTATION	LOOATION	LAOIT			01		TEMATIC
USH 12'EB'							
109+48 - 111+67	EB LT	-	1000	-	1000	-	FOR TURN LANE AND ISLAND REPAIR
112+46 - 114+61	EB LT	-	1000	-	1000	-	FOR TURN LANE AND ISLAND REPAIR
125+40 - 127+54	EB LT	-	965	-	965	-	FOR TURN LANE AND ISLAND REPAIR
128+60 - 130+91	EB LT	-	1025	-	1025	-	FOR TURN LANE AND ISLAND REPAIR
146+60 - 148+76	EB LT	-	1000	-	1000	-	FOR TURN LANE AND ISLAND REPAIR
149+77 - 152+00		-	1035	-	1035	-	FOR TURN LANE AND ISLAND REPAIR
162+81 - 164+10		-	500	-	500	-	FOR TURN LANE AND ISLAND REPAIR
164+85 - 166+15		-	500	-	500	-	FOR TURN LANE AND ISLAND REPAIR
178+45 - 179+75	EB LT	-	510	-	510	-	FOR TURN LANE AND ISLAND REPAIR
MOHOLT DR							
701+24	RT	2	-	20	-	20	NOSE REPLACEMENT
702+83	LT	2	-	20	-	20	NOSE REPLACEMENT
CAMERON ST							
902+71	RT	2	-	20	-	20	NOSE REPLACEMENT
ITEM TOTALS		6	7535	60	7535	60	

* QUANTITY SHOWN ELSEWHERE IN PLANS

3

BARRIER SYSTEM GRADING SHAPING FINISHING

614.0010 BARRIER SYSTEM GRADING

		GRADING					*SEEDING	
		SHAPING	*EXCAVATION		*SALVAGED	*FERTILIZER	MIXTURE	
		FINISHING	COMMON	*BORROW	TOPSOIL	TYPE A	NO. 20	*MULCHING
STATION	LOCATION	EACH	CY	CY	SY	CWT	LB	SY
USH 12'EB'								
64+19.4 - 64+72.5	WB LT	1	5	5	200	200	0.2	8
193+45.5 - 193+98.2	EB RT	1	5	5	200	200	0.2	8
226+69.4 - 227+22.5	WB LT	1	5	5	200	200	0.2	8
ITEM TOTALS		3	15	15	600	600	0.6	24

^{*}ITEMS & QUANTITIES LISTED FOR BID INFORMATION ONLY. MINIMAL GRADING EXPECTED.

STORM SEWER STRUCTURE ITEMS

611.0624 628.7015
INLET INLET
COVERS PROTECTION
TYPE H TYPE C

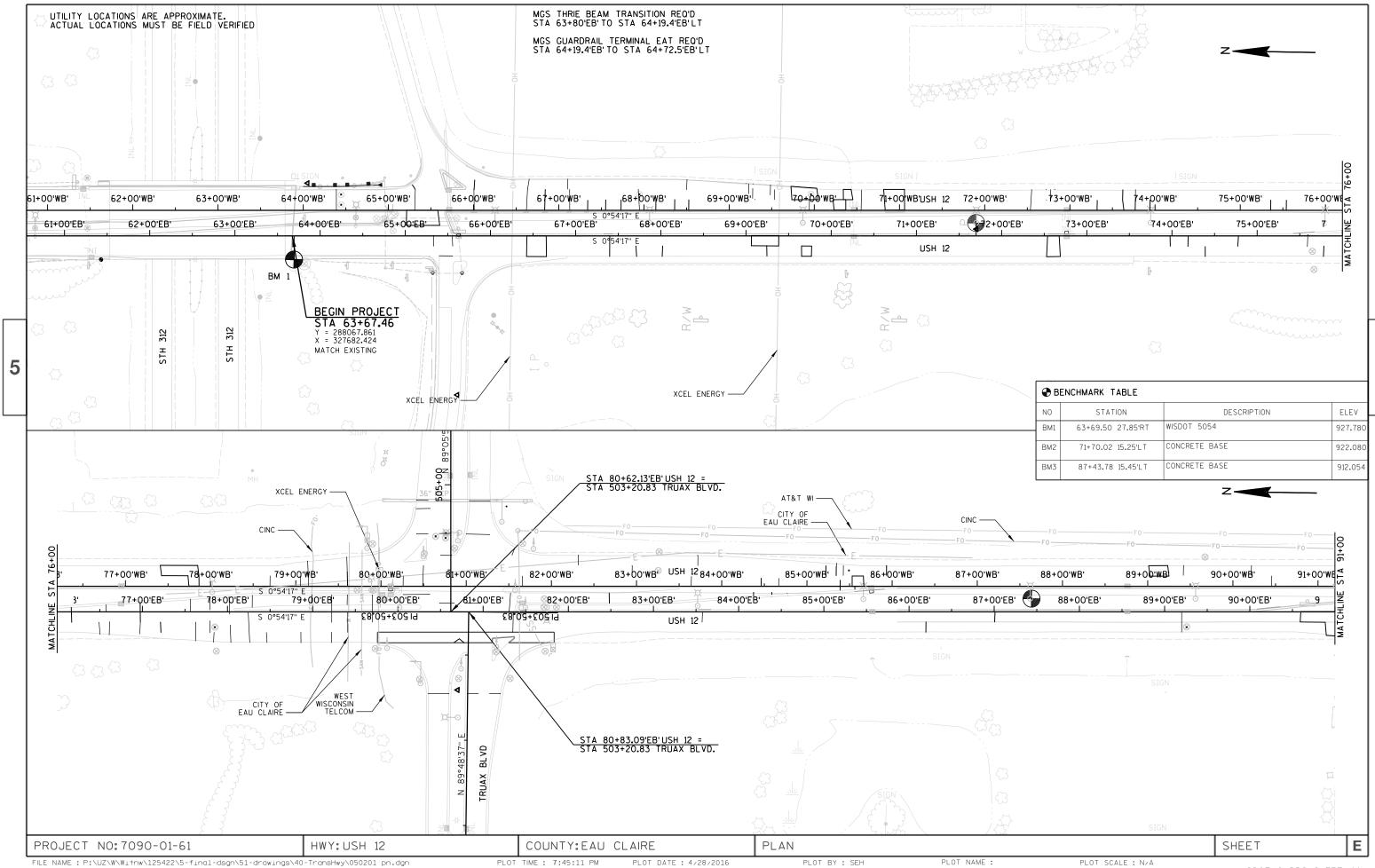
		COVERS	PROTECTION
		TYPE H	TYPE C
STATION	LOCATION	EACH	EACH
USH 12'EB'			
65+63	EB LT	1	1
72+76	EB LT	1	1
79+81	WB LT	1	1
85+56	WB LT	1	1
102+62	WB LT	1	1
119+75	WB LT	1	1
125+91	WB LT	1	1
134+30	EB RT	1	1
149+65	EB RT	1	1
164+06	WB LT	1	1
174+47	EB RT	1	1
177+35	EB RT	1	1
180+38	EB RT	1	1
183+41	WB LT	1	1
186+43	WB LT	1	1
198+30	WB LT	1	1
201+68	WB LT	1	1
230+12	WB LT	1	1
231+53	EB LT	1	1
231+58	EB LT	1	1
233+41	EB RT	1	1
235+97	WB LT	1	1
236+02	EB RT	1	1
236+08	EB LT	1	1
ITEM TOTALS		24	24

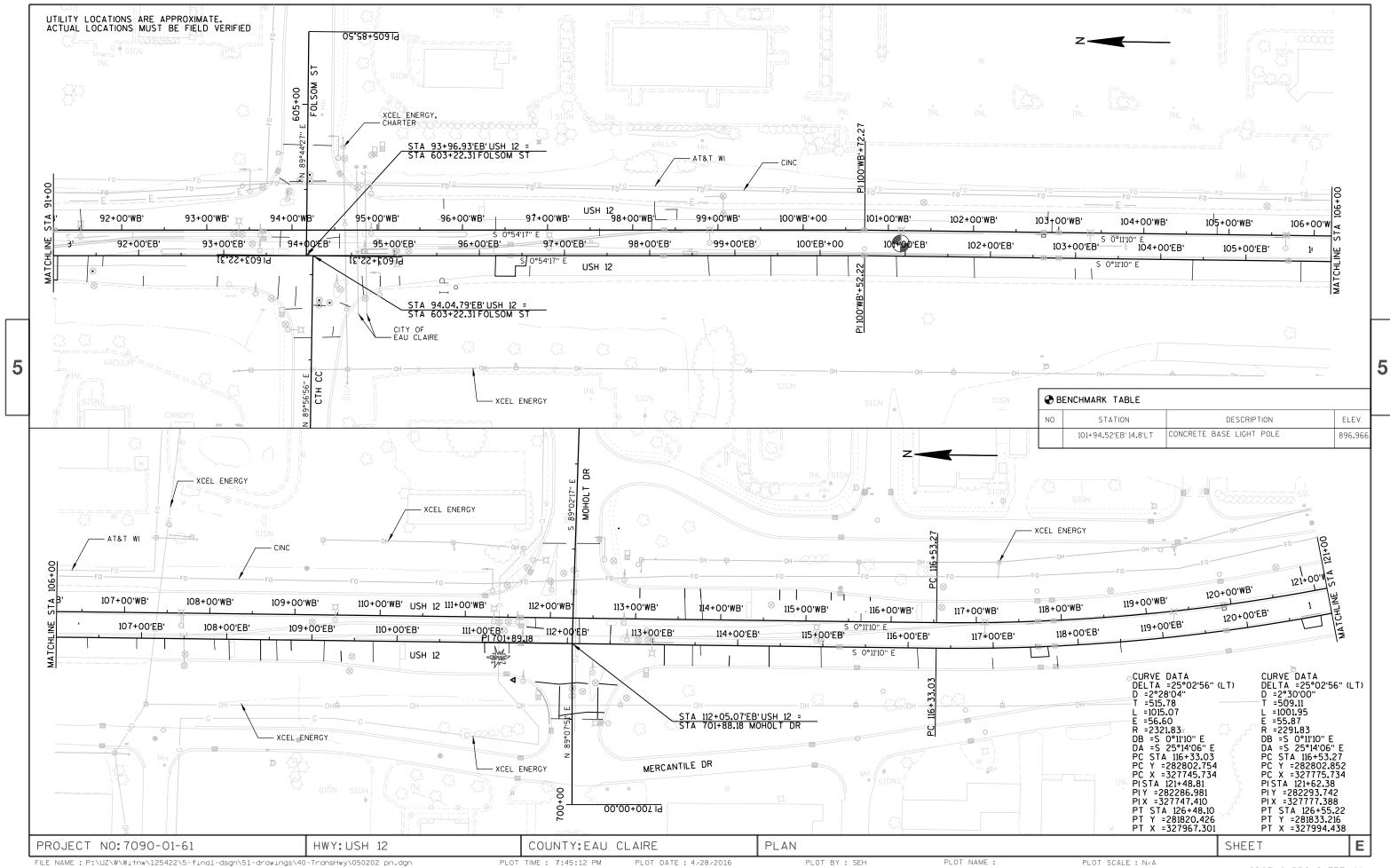
GUARDRAIL

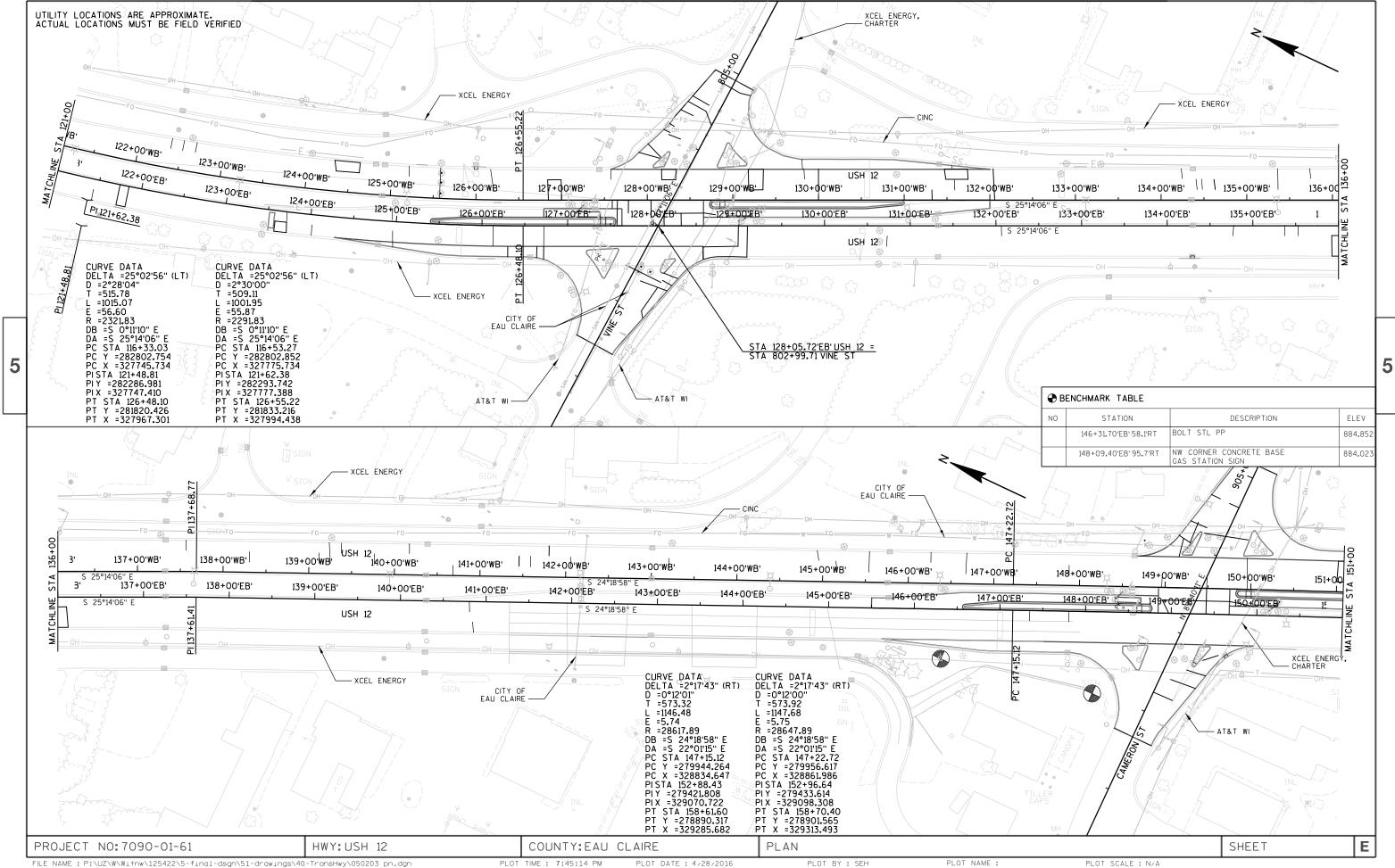
STATION	LOCATION	614.0200 STEEL THRIE BEAM STRUCTURE APPROACH LF	614.0220 STEEL THRIE BEAM BULLNOSE TERMINAL EACH	614.0230 STEEL THRIE BEAM LF	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH
USH 12'EB'								
63+80 - 64+19.4	WB LT	_	_	-	-	39.4	-	-
64+19.4 - 64+72.5	WB LT	_	-	-	-	_	1	-
193+45.5 - 193+98.2	EB RT	-	-	_	-	-	1	-
193+98.2 - 194+23.1	EB RT	-	-	-	25	-	-	1
215+86.8 - 216+40.5	EB LT	-	1	-	-	-	-	-
216+03.5 - 216+53.4	WB LT	-	-	-	50	-	-	1
216+40.5 - 216+53.0	EB LT	-	-	12.5	-	-	-	-
216+40.5 - 216+62.4	WB RT	-	-	21.8	-	-	-	-
216+53.0 - 216+67.4	EB LT	14.4	-	-	-	-	-	-
216+53.4 - 216+92.8	WB LT	-	-	-	-	39.4	-	-
216+62.4 - 216+76.8	WB RT	14.4	-	-	-	-	-	-
225+19.5 - 225+58.9	EB RT	-	-	-	-	39.4	-	-
225+41.1 - 225+55.5	WB RT	14.4	-	-	-	-	-	-
225+53.2 - 225+67.6	EB LT	14.4	-	-	-	-	-	-
225+55.5 - 226+55.5	EB LT	-	-	100	-	-	-	
225+58.9 - 226+96.4	EB RT	-	-		137.5	-	-	1
225+67.6 - 226+55.1	WB RT	-	-	87.5	-	-	-	-
225+93.8 - 226+33.2	WB LT	-	-	-	-	39.4	-	-
226+33.2 - 226+83.2	WB LT	-	-	-	50	-	-	-
226+55.1 - 227+08.9	EB LT	-	1	-	-	-	-	-
226+83.2 - 227+36.3	WB LT	-	-	-	-	-	1	-
ITEM TOTALS		57.6	2	221.8	262.5	157.6	3	3

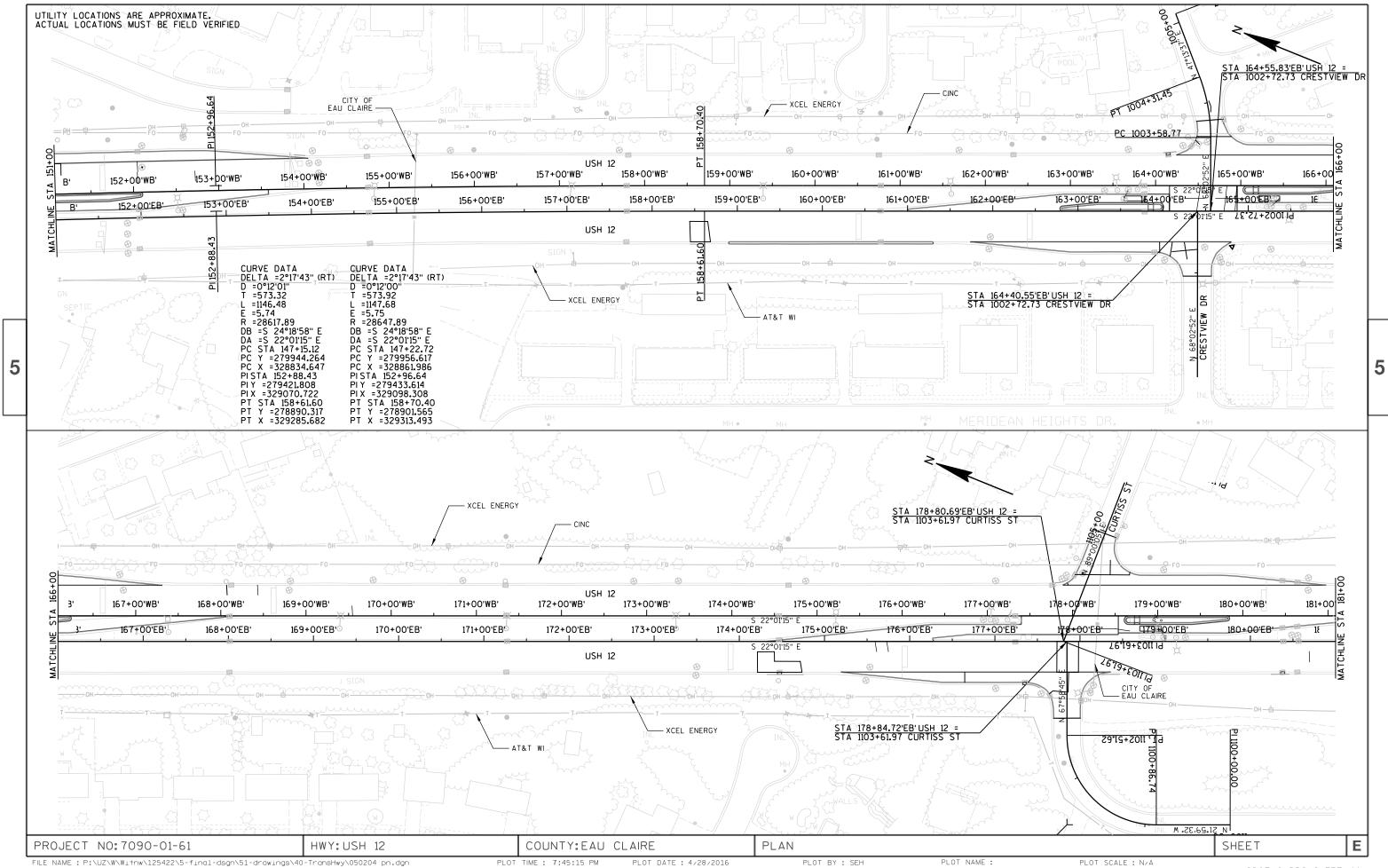
ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE.

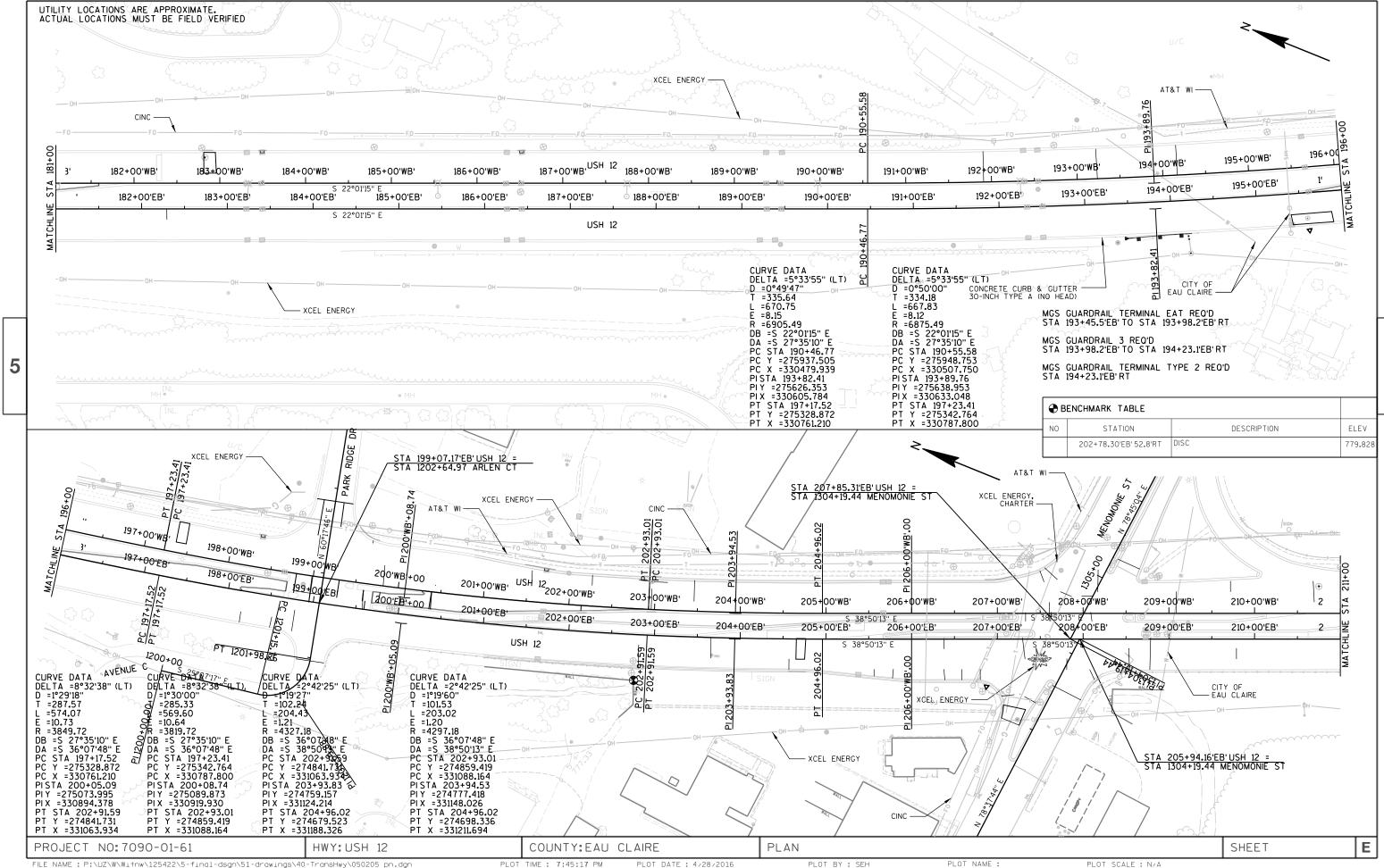
PROJECT NO:7090-01-61 HWY:USH 12 COUNTY:EAU CLAIRE MISCELLANEOUS QUANTITIES SHEET **E**

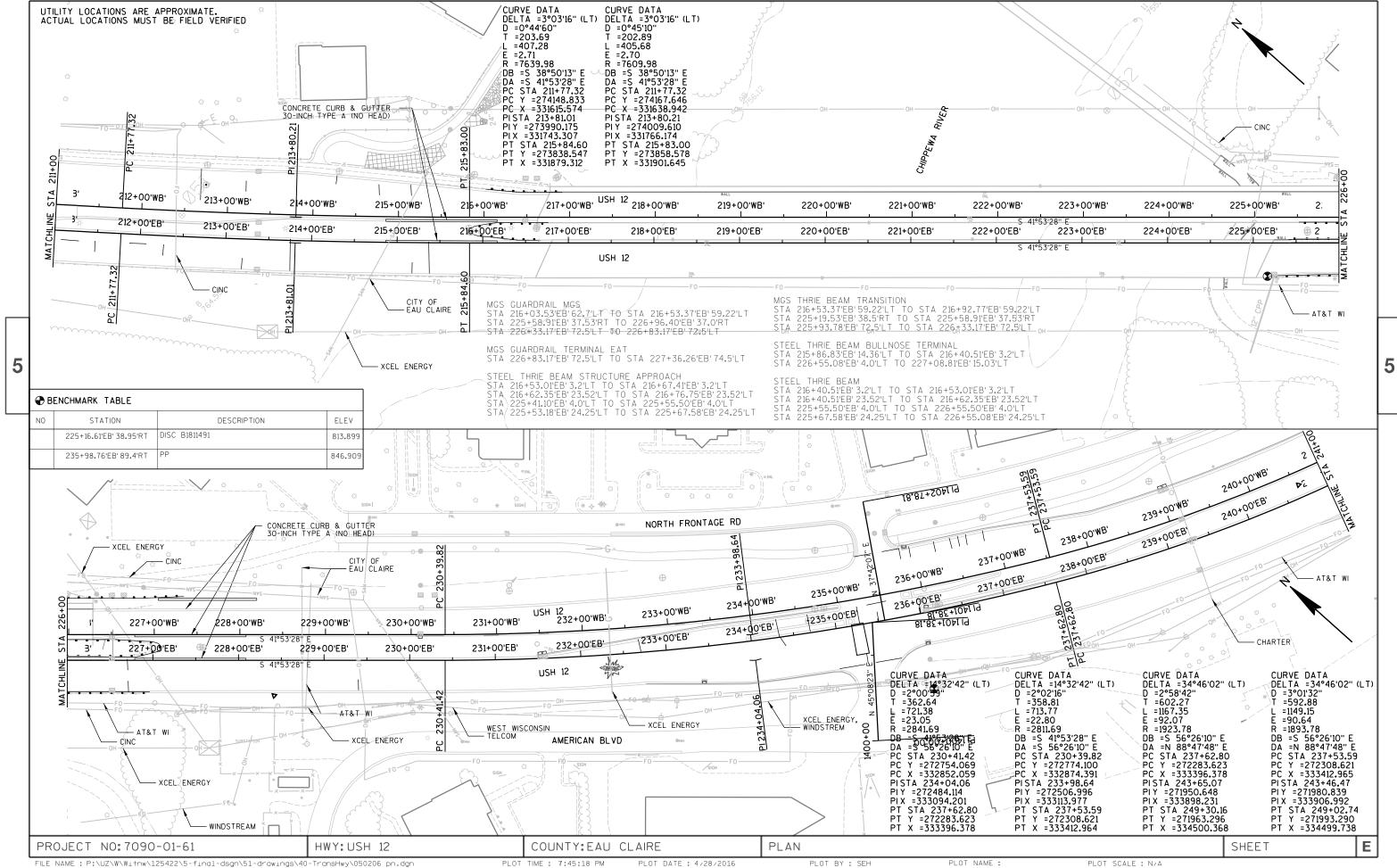


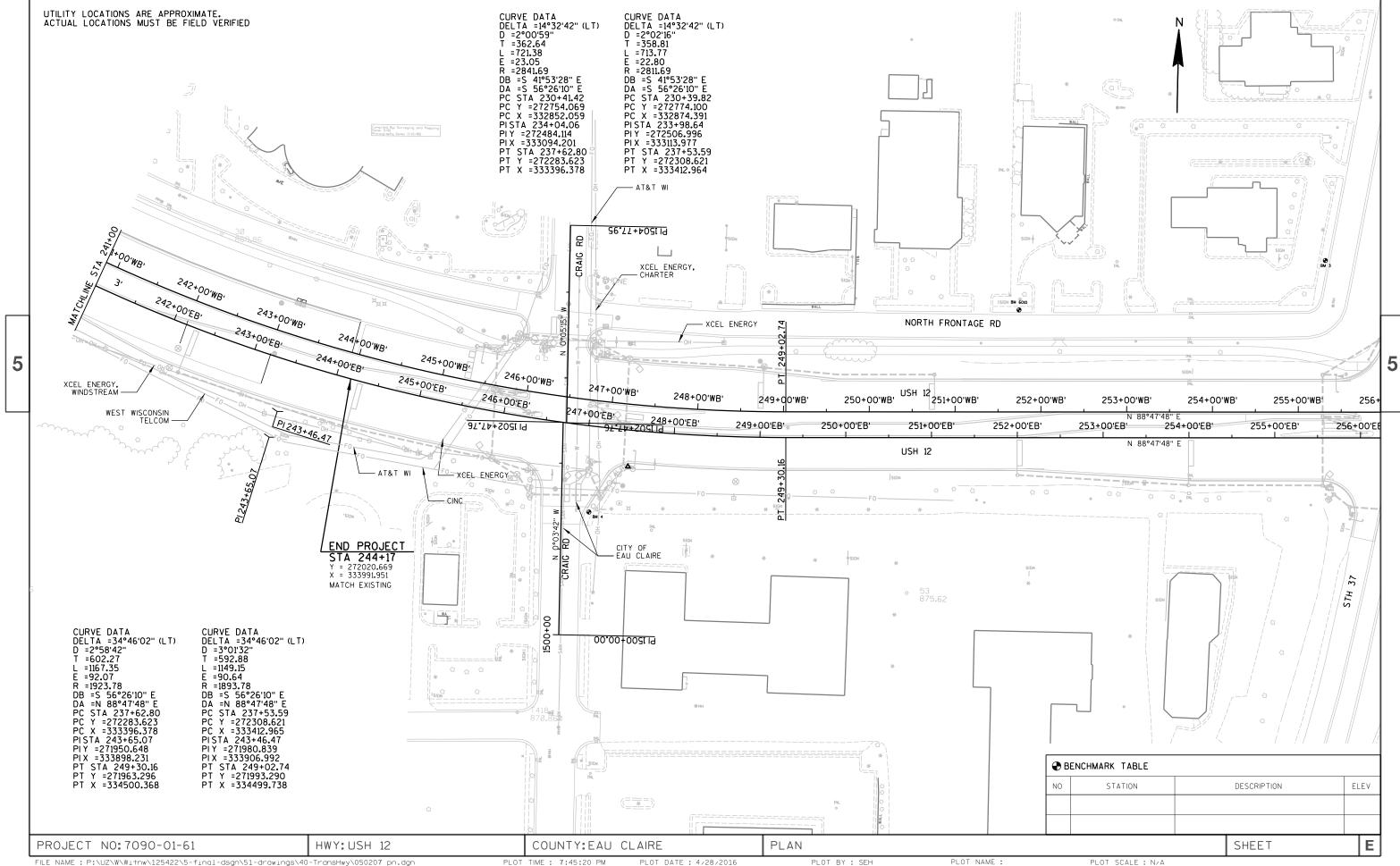








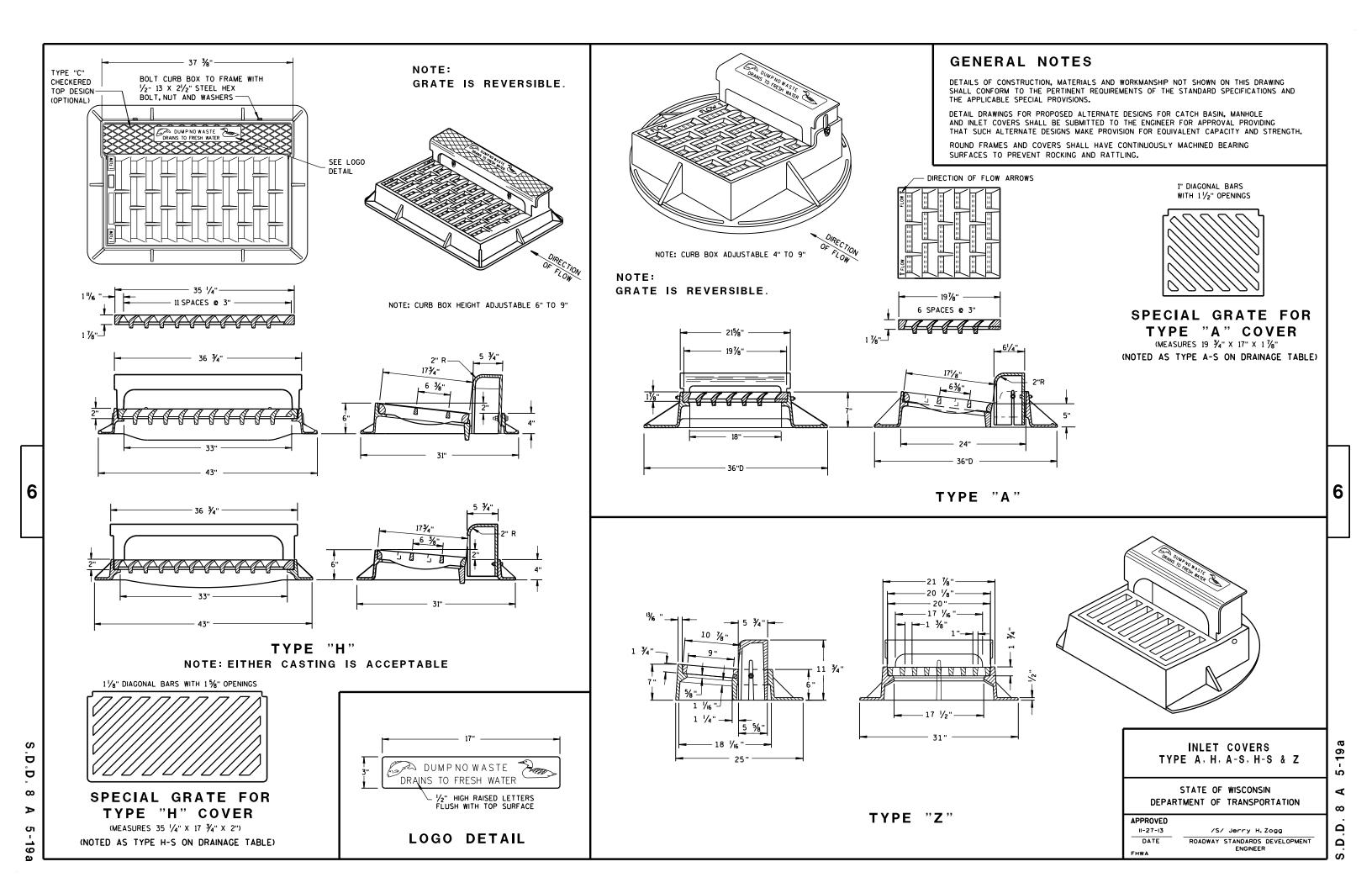


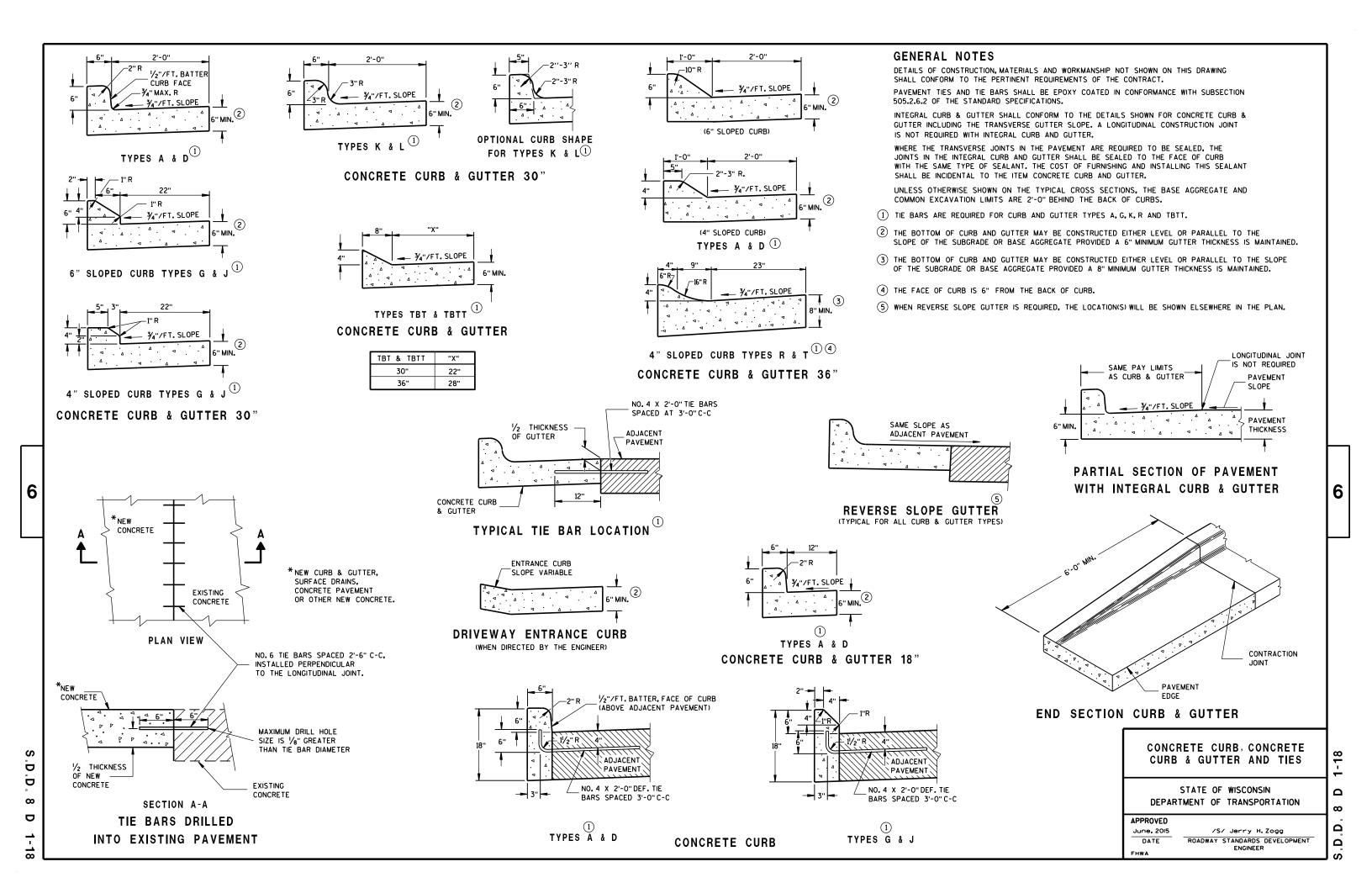


6

Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08D01-18	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09F09-04	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)
11B02-02	CONCRETE MEDI AN NOSE
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C09-13A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-13B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-13C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C13-08	URBAN DOWELED CONCRETE PAVEMENT
13C18-03A	CONCRETE PAVEMENT JOINTING
13C18-03B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-03C	CONCRETE PAVEMENT JOINT TIES
13C18-03D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
14B20-11A	STEEL THRIE BEAM STRUCTURE APPROACH
14B20-11B	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SQUARE END PARAPETS
14B20-11C	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO VERTICAL FACED PARAPETS
14B20-11D	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SLOPED END PARAPETS
14B20-11E	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO BRIDGE RAILING TYPES "F" AND "W"
14B20-11F	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO BRIDGE RAILING TYPE "M"
14B20-11G	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTOR PLATE DETAIL
14B20-11H	STEEL THRIE BEAM STRUCTURE APPROACH, SINGLE SLOPE ATTACHMENT
14B26-03A	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-03B	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-03C	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-03D	STEEL THRIE BEAM BULLNOSE TERMINAL
14B26-03E	STEEL THRIE BEAM BULLNOSE TERMINAL
14B42-03A	MIDWEST GUARDRALL SYSTEM (MGS) GUARDRALL
14B42-03B	MIDWEST GUARDRALL SYSTEM (MGS) GUARDRALL
14B42-03C 14B44-02A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORDING TERMINAL (MGS)
14B45-04B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-02A	MI DWEST GUARDRAI L SYSTEM (MGS) TYPE 2 TERMI NAL
14B47-02B	MI DWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMI NAL
14B47-02C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A 15C08-16B	PAVEMENT MARKING (MAINLINE) PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (INTERSECTIONS) PAVEMENT MARKING (LEFT TURN LANE)
15C08-16E	PAVEMENT MARKING (ISLANDS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-03C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C27-01	DOUBLE ARROW WARNING SIGN PLACEMENT
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-05A	TRAFFIC CONTROL, LANE CLOSURE
15D12-05B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D20-03	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-03	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-02	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D23-03	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH





TYPICAL APPLICATION OF SILT FENCE

6

b

Ō

Ш





PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- 2 FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" 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.



TRENCH DETAIL



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)



SILT FENCE

တ ∞





INLET PROTECTION, TYPE A

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- (2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

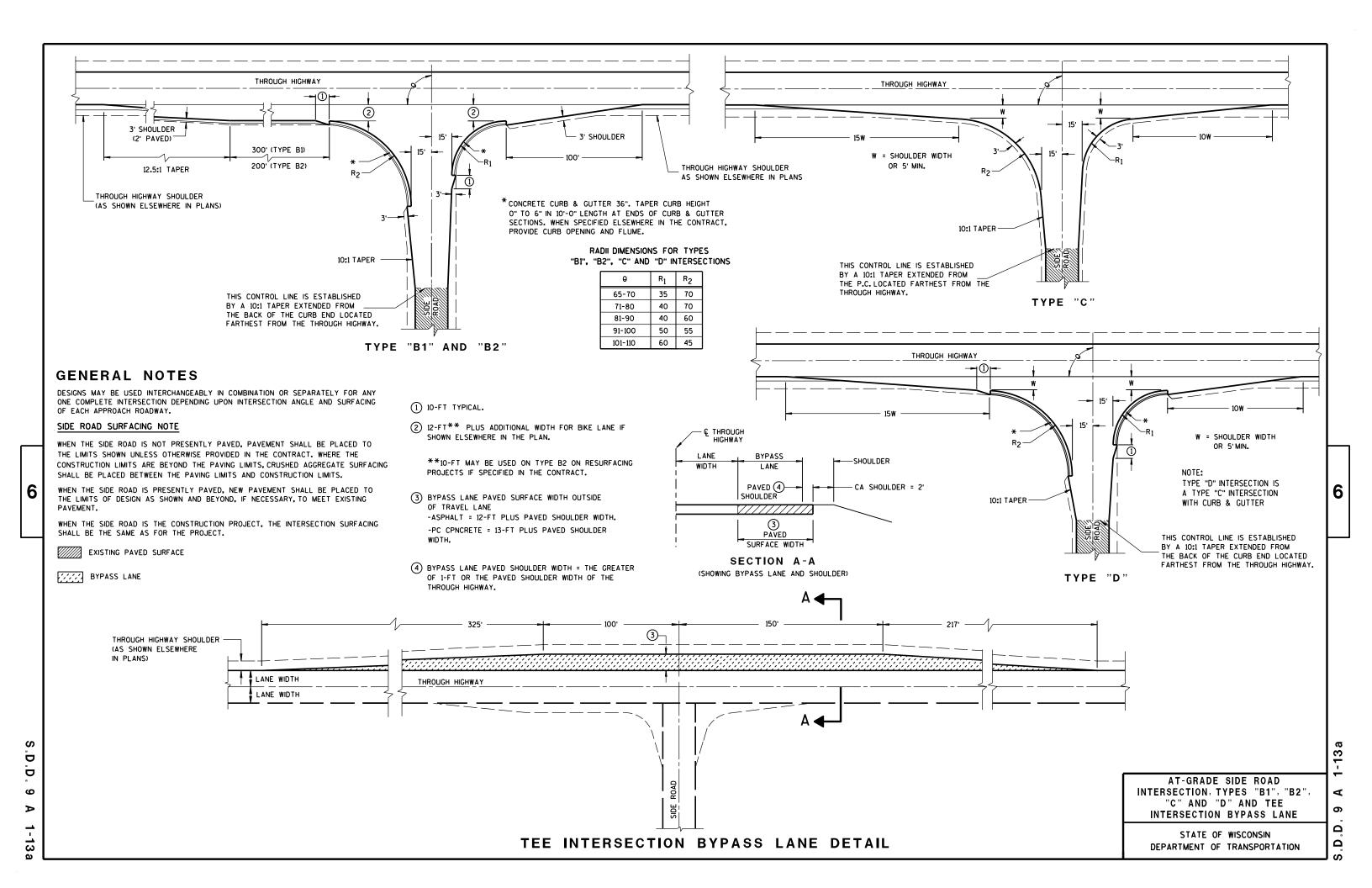
10/16/02

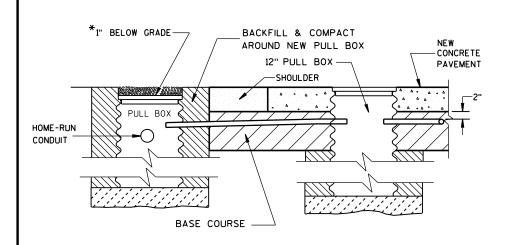
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

0

ш

 ∞





SECTION A-A No curb & gutter

LOOP DETECTOR INSTALLATION DETAILS

*RECESS PULL BOX SO THAT THE COVER IS 3"
BELOW GRADE IN SHOULDER AREAS OF CRUSHED
AGGREGATE. BACKFILL OVER COVER WITH THE
CRUSHED AGGREGATE TO BRING THE AREA TO
GRADE LEVEL.

GENERAL NOTES

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

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT *12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

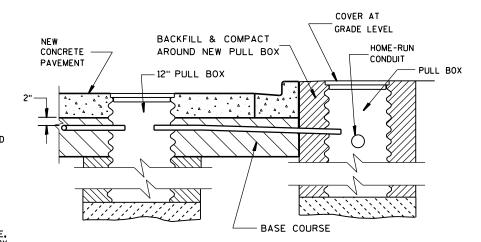
THE *12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

THE *12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED, CONTINUOUS LENGTH.

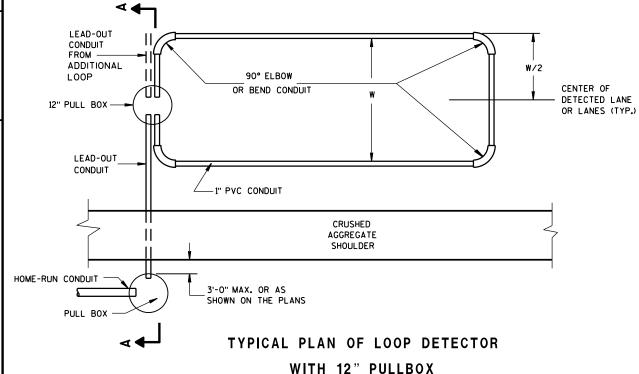
PROTECTION OF THE CONDUIT, CONDULET AND PULL BOX SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE THE NEW CONCRETE PAVEMENT IS PLACED.

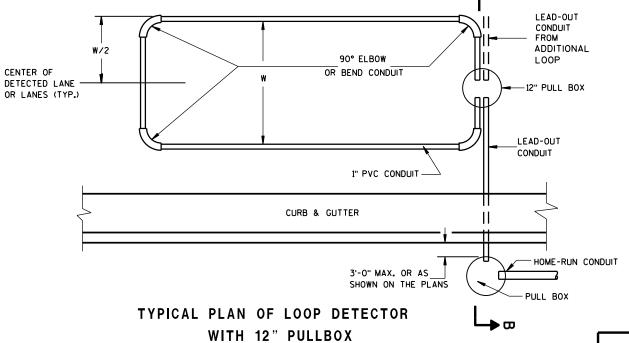
12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.



SECTION B-B
CURB & GUTTER
LOOP DETECTOR INSTALLATION DETAILS

→®





LOOP DETECTOR PLACED
IN CRUSHED AGGREGATE BASE
(NEW CONCRETE PAVEMENT)

6

ш

တ

Ω

Ω

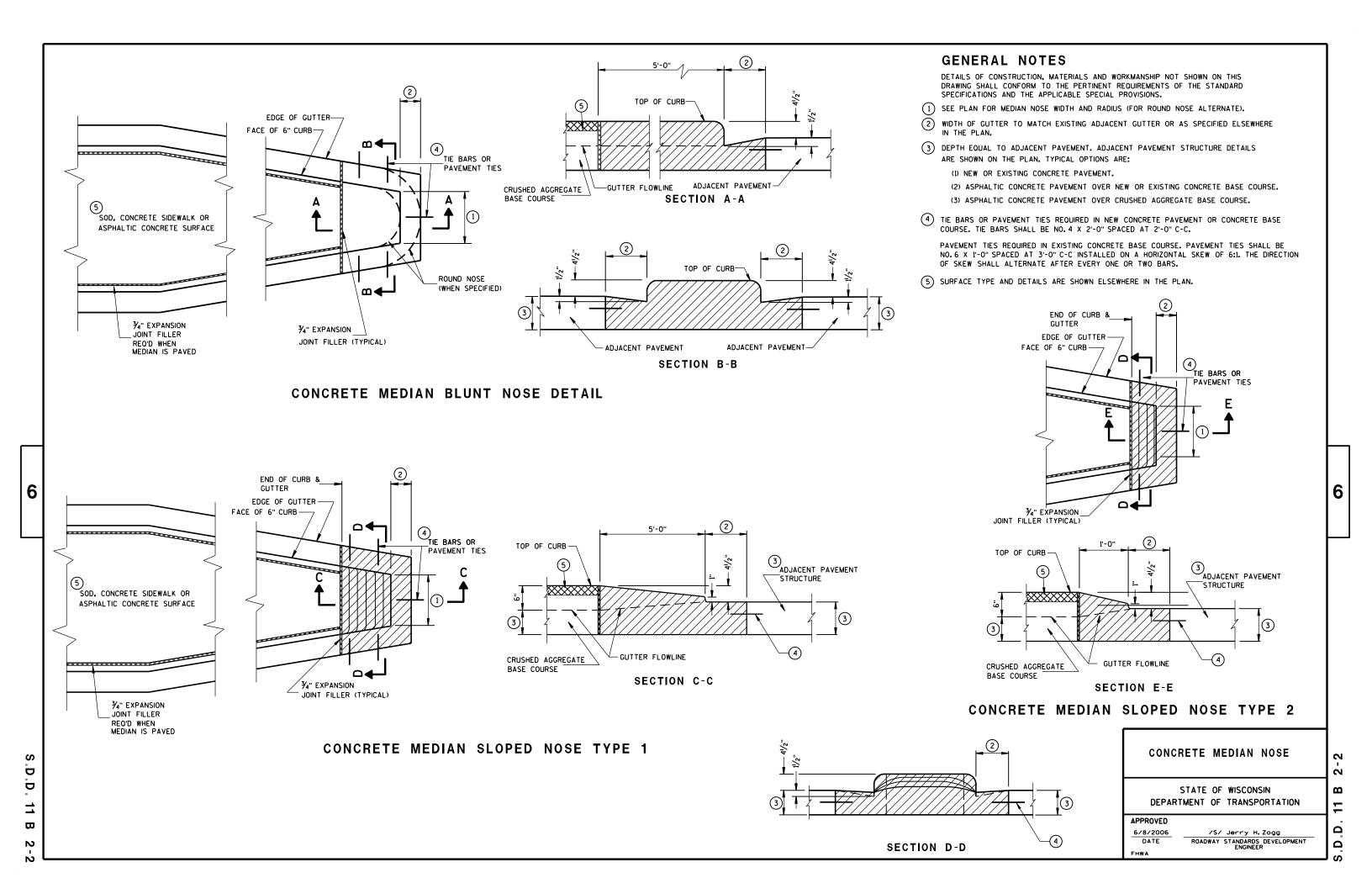
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

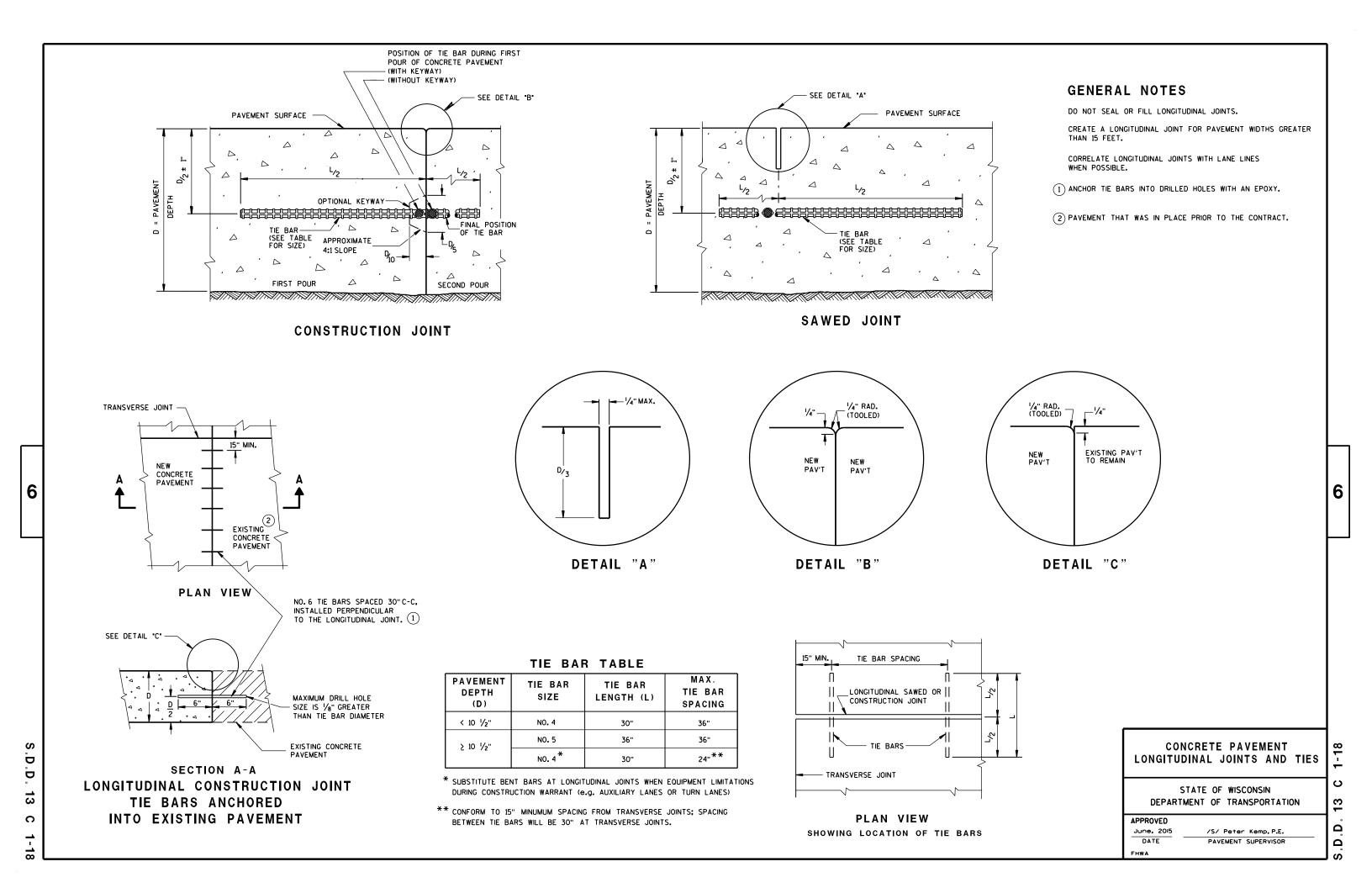
APPROVED

Sept. 2014
DATE

STATE ELECTRICAL ENGINEER
FHWA

S.D.D. 9 F 9

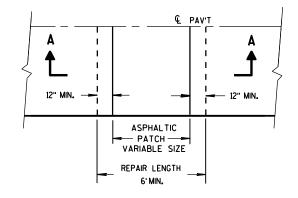




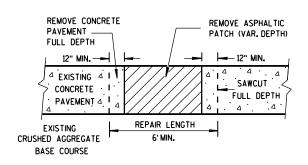
PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

1) DOWEL BARS MIGHT NOT EXIST.

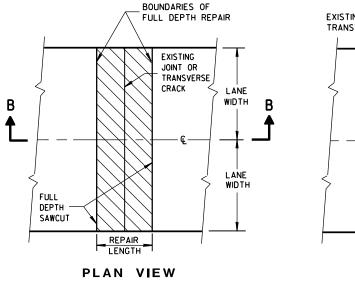


PLAN VIEW

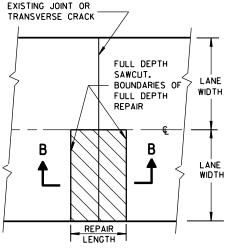


SECTION A-A

HMA PATCH REMOVAL

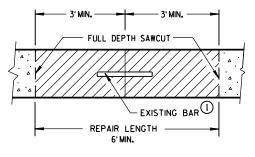


(DOUBLE LANE REPAIR)



PLAN VIEW (SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B-B
CONCRETE REMOVAL

CONCRETE PAVEMENT REPAIR
AND REPLACEMENT

6

6

Ω

Ω

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

C1

L1

── '/4" MAX.

1/4" RAD. (TOOLED) EXISTING PAV'T PAV'T TO REMAIN

TRANSVERSE JOINTS

EXISTING PAV'T

TO REMAIN

C2

L2

LONGITUDINAL JOINTS

1/4" RAD. (TOOLED)

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR Size	TIE BAR Length (L)	MAX. TIE BAR Spacing		
< 10 1/2"	NO. 4	30"	36"		
≥ 10 ½"	NO. 5	36"	36"		
	NO. 4 *	30"	24"**		

- * SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)
- ** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

1/4" RAD.

(TOOLED)

PAV'T

PAV'T

L3

SEE DETAIL L1 PAVEMENT SURFACE (SEE TABLE FOR SIZE)

SECTION C-C SAWED LONGITUDINAL JOINT

GENERAL NOTES

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

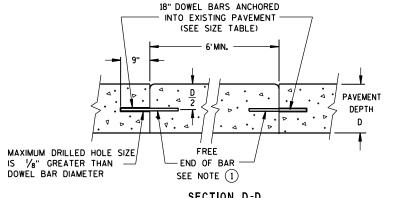
CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

DO NOT SEAL OR FILL JOINTS.

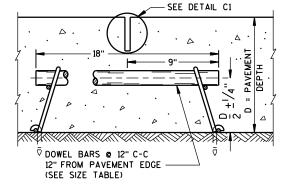
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT

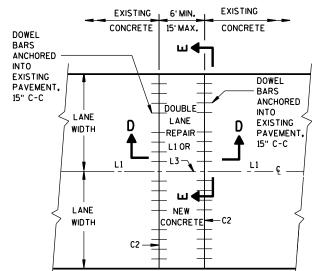
(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.



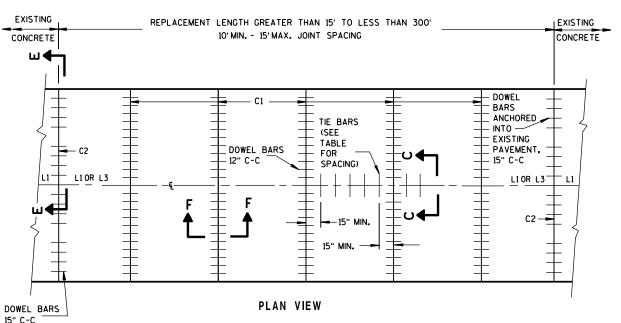
SECTION D-D



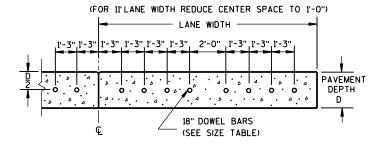
SECTION F-F **CONTRACTION JOINT**



PLAN VIEW MULTI-LANE CONCRETE PAVEMENT REPAIR



MULTI-LANE CONCRETE PAVEMENT REPLACEMENT



SECTION E-E

DRILLED DOWEL BAR CONSTRUCTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

71112 00111		•	
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING	
5 1/2", 6",6 1/2"	NONE	12'	
7",7 1/2"	1"	14'	
8" , 8 ½"	1 1/4"	15'	
9",9 ½"	1 1/4"	15'	
10" & ABOVE	1 1/2"	15'	

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

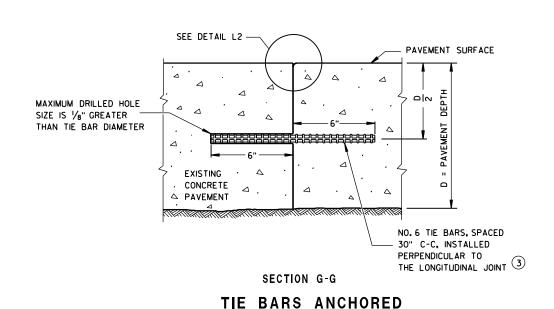
-13b

13

Ω

Ω

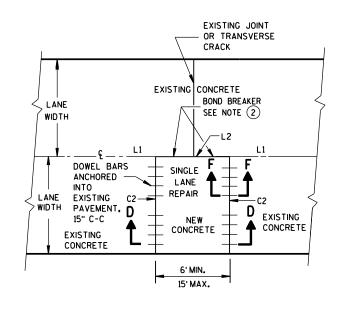
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



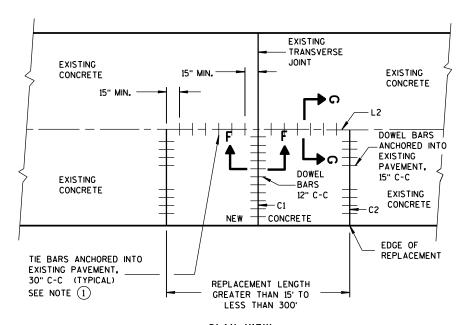
INTO EXISTING PAVEMENT

GENERAL NOTES

- 1) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH. THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
- 2) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
- 3 ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW SINGLE LANE **CONCRETE PAVEMENT REPAIR**



PLAN VIEW SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED Sept., 2015

FHWA

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

6

b D 13

C

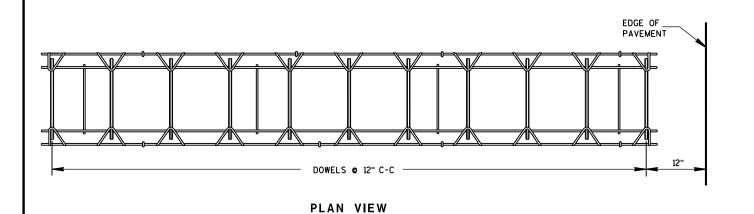
9

13 c

13 Ω

9-13

S



PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 1/2", 6",6 1/2"	NONE	12'
7",7 1/2"	1"	14'
8"•8 1/2"	1 1/4"	15'
9",9 1/2"	1 1/4"	15'
10" & ABOVE	1 1/2"	15'

GENERAL NOTES

CONTRACTION JOINTS

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.

DO NOT SEAL OR FILL CONTRACTION JOINTS.

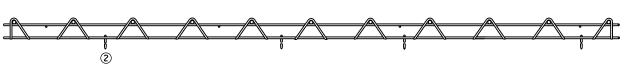
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

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 AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE

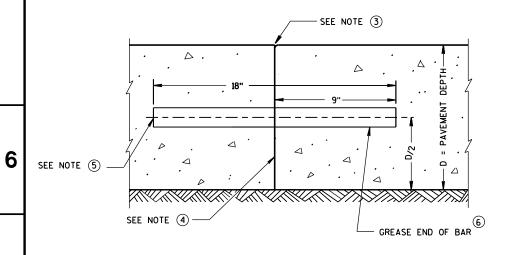
CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO 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 CONSTRUCTING 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-INCH RADIUS AT FORMED JOINTS.
- 4 PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.
- 5 INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO DRILLED DOWEL BAR CONSTRUCTION JOINT DETAIL.
- 6 APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.
- (7) ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER. 9 INCHES IN LENGTH.



SIDE VIEW CONTRACTION JOINT DOWEL ASSEMBLY



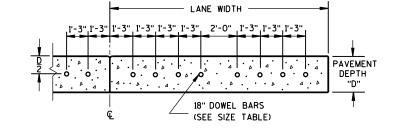
TRANSVERSE CONSTRUCTION JOINT

△ DOWEL BARS © 12" C-C 12" FROM PAVEMENT EDGE-

DOWELED CONTRACTION JOINT

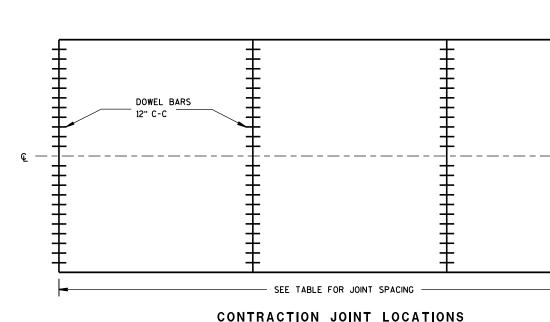
(SEE SIZE TABLE)

SEE JOINT DETAIL



(FOR 11' LANE WIDTH REDUCE CENTER SPACE TO 1'-O")

DRILLED DOWEL BAR CONSTRUCTION JOINT $^{\scriptsize \bigcirc}$



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

- ¼" MAX.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 5/3/2013

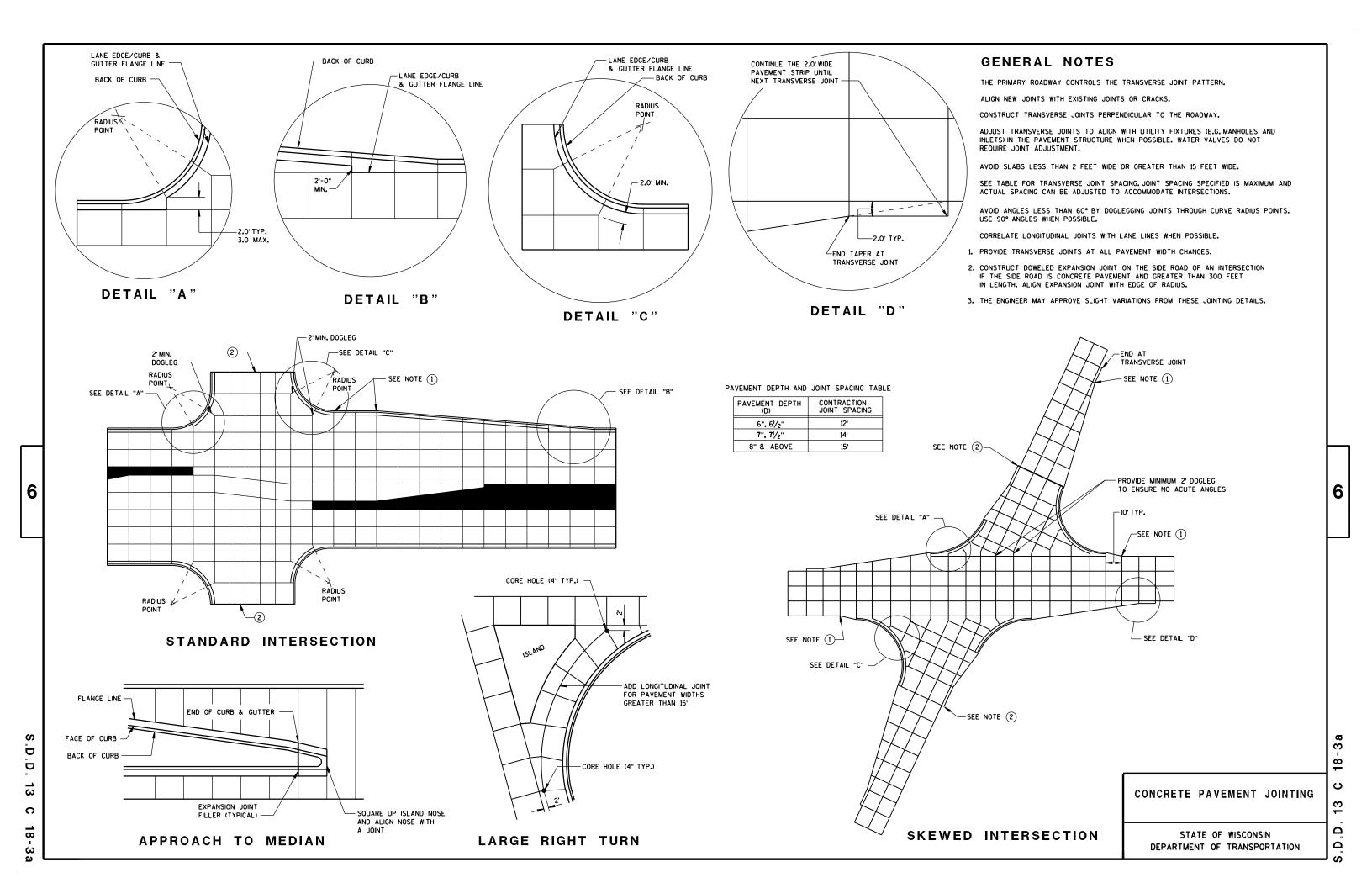
FHWA

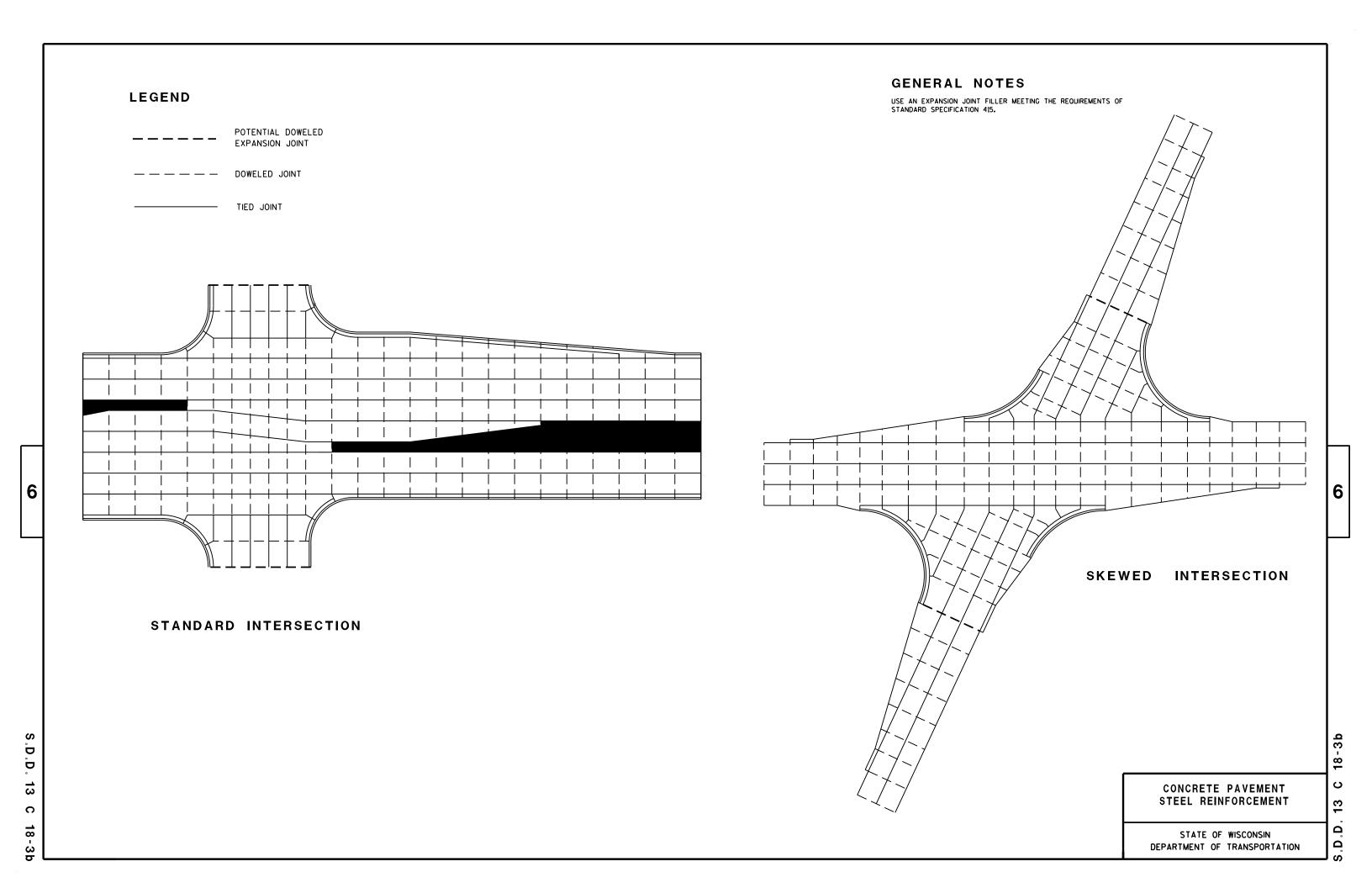
/S/ Deb Bischoff PAVEMENT POLICY & DESIGN ENGINEER

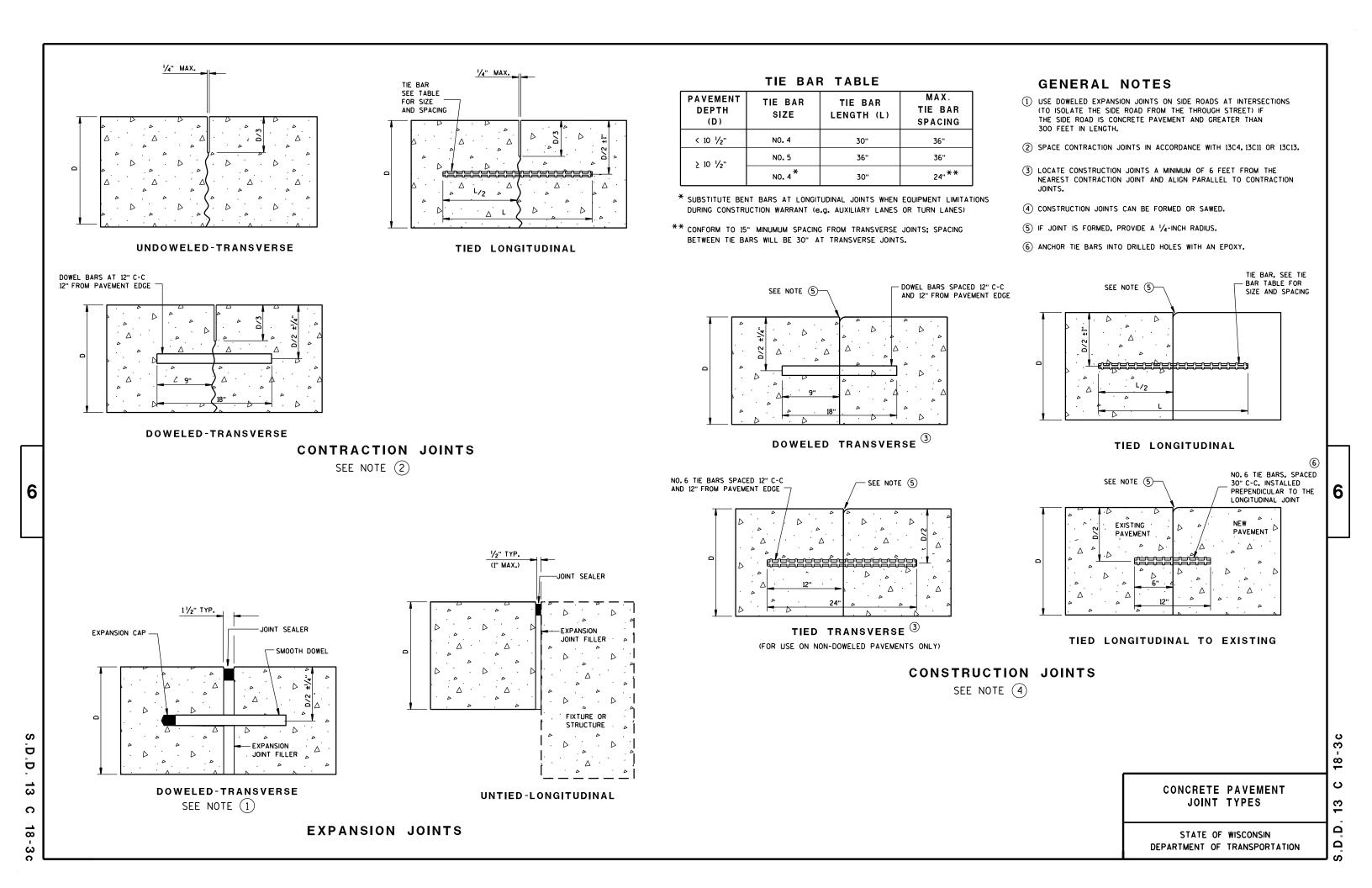
D D $\overline{\omega}$ C

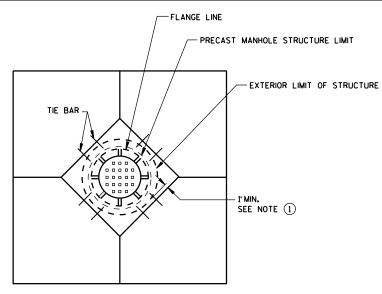
Ω

13

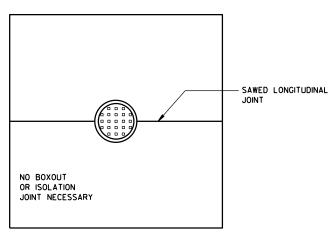




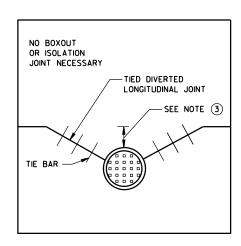




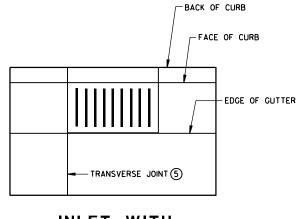
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



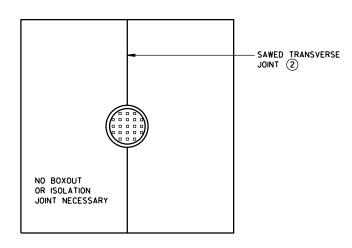
MANHOLE WITH LONGITUDINAL JOINT



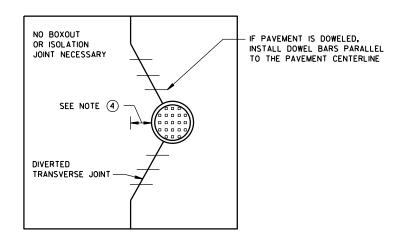
MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



INLET WITH TRANSVERSE JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

- 1 USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
- 2 ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
- (3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS. DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.
- (4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS. REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.
- (5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED DATE

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

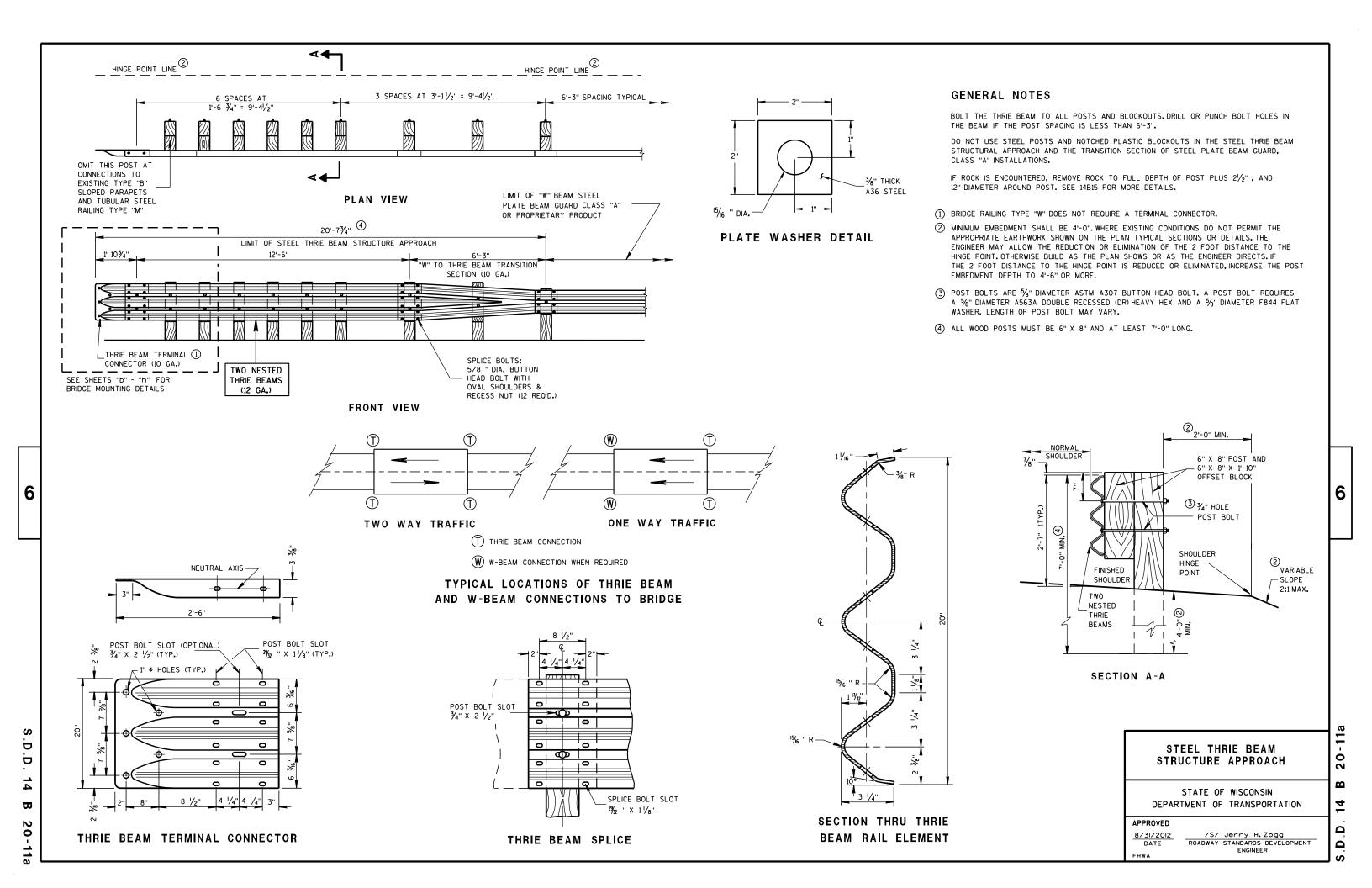
8

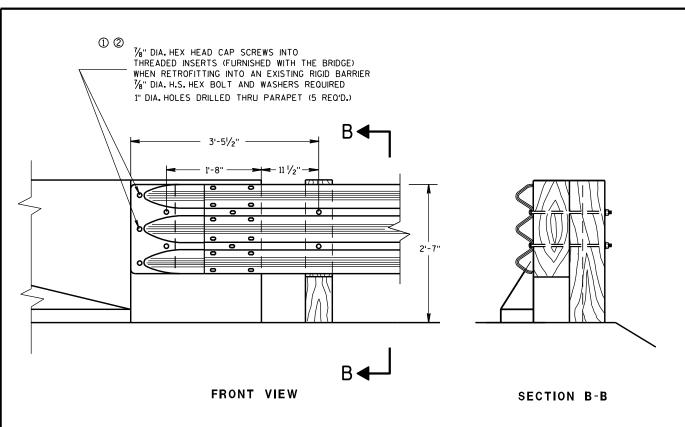
က

Ω

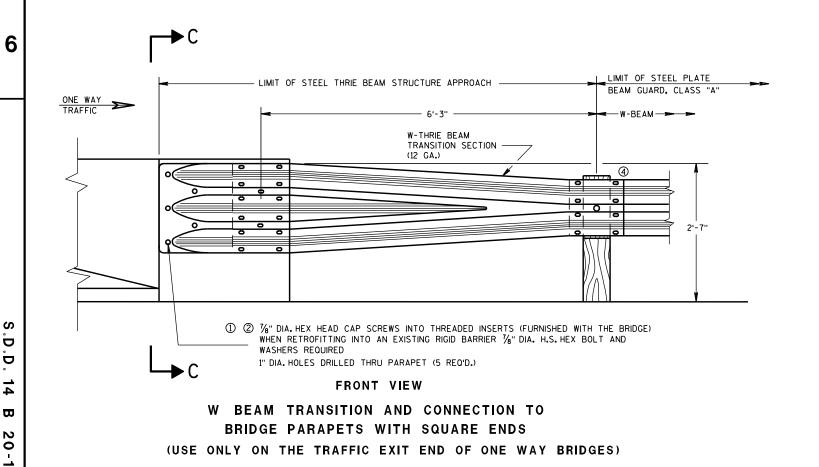
C

 ∞





THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS



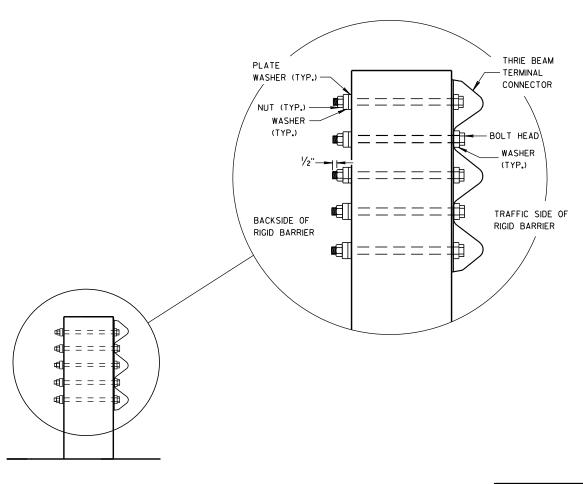
GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A325, A449 AND GALVANIZED PER STANDARD SPECIFICATIONS 614.

- ① DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.
- ② BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE, CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM TERMINAL CONNECTOR. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X $\frac{5}{8}$ " THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.
- 3 THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 $\frac{1}{2}$ ".
- 4 W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POST WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.



SECTION C-C

STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SQUARE END PARAPETS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

8/31/2012 ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

2

 $\mathbf{\omega}$

Ω

BOLTS. NUTS AND WASHERS SHALL CONFORM TO ASTM A325, A449 AND GALVANIZED PER STANDARD SPECIFICATIONS 614.

- ① DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.
- ② BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE, CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH, ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM TERMINAL CONNECTOR, BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

THRIE BEAM TERMINAL

CONNECTOR

BOLT HEAD

(TYP.)

WASHER

TRAFFIC SIDE OF

1 2 78" DIA. HEX HEAD CAP SCREWS INTO

Δ"

1'-6"

RIGID BARRIER

- 3 THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".
- (4) W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POST WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.
- (5) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.

> PLATE WASHER (TYP.

> > NUT (TYP.)

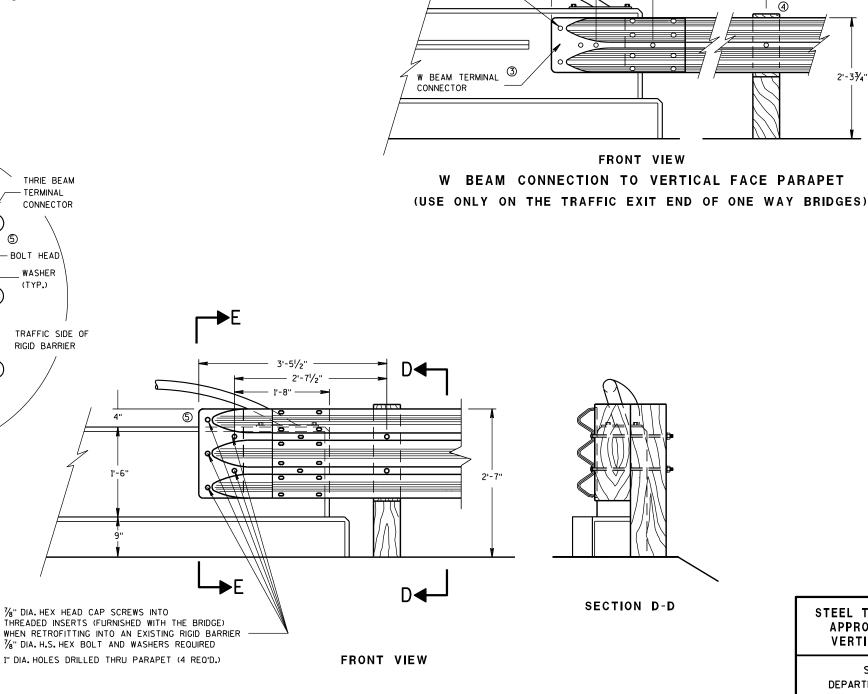
(TYP.)

BACKSIDE OF

RIGID BARRIER

WASHER

1/2".



① ② 7/8" DIA. HEX HEAD CAP SCREWS INTO

(4 REO'D.)

1" DIA. HOLES DRILLED THRU PARAPET

THREADED INSERTS (FURNISHED WITH THE BRIDGE)

1/8" DIA. H.S. HEX BOLT AND WASHERS REQUIRED

WHEN RETROFITTING INTO AN EXISTING RIGID BARRIER

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO VERTICAL FACED PARAPETS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 8/31/2012 /S/ Jerry H. Zogg

LIMIT OF STEEL PLATE

BEAM GUARD, CLASS "A"

ONE WAY
TRAFFIC

2'-33/4"

5'-0 1/4" —

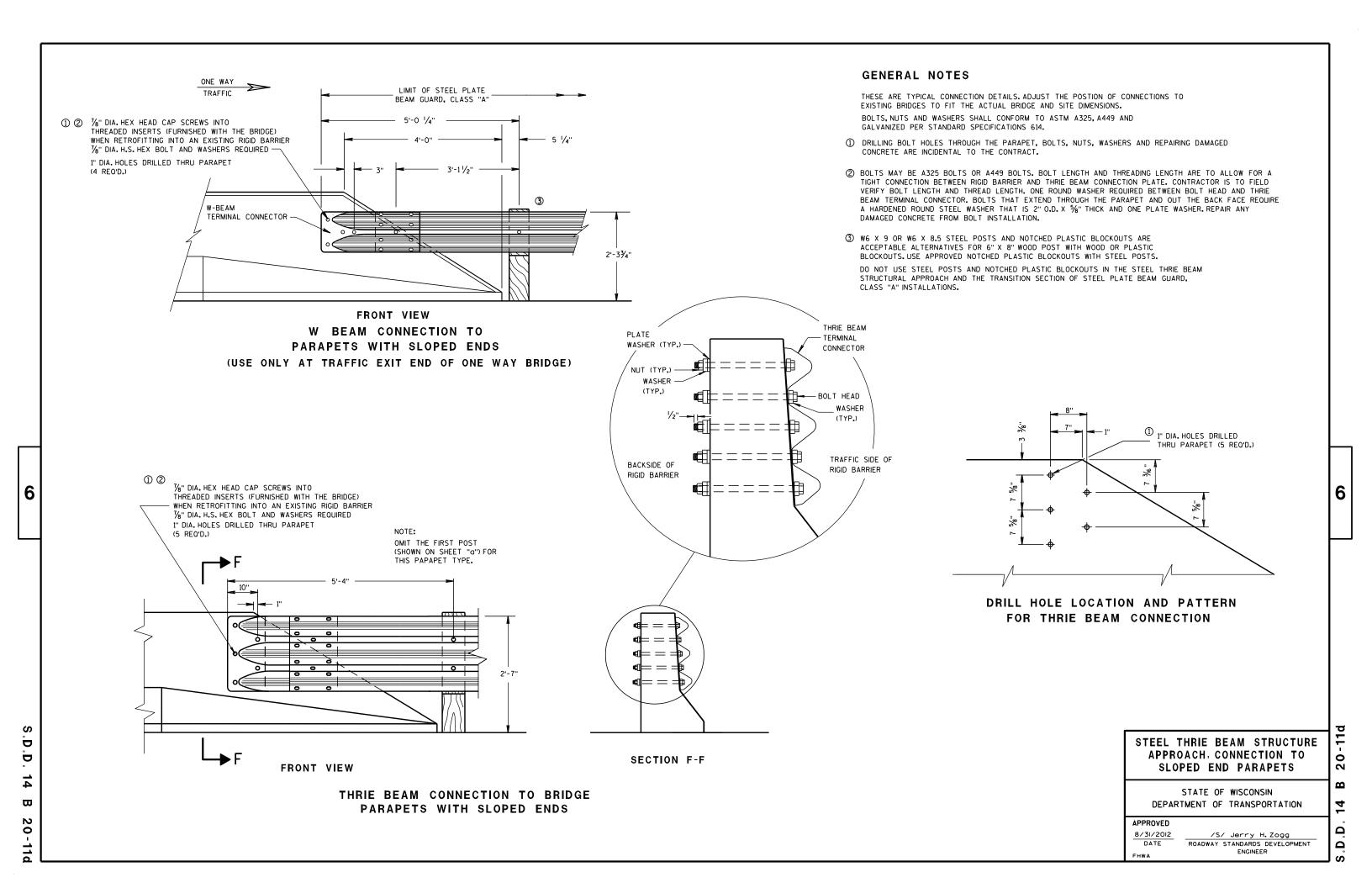
— 3'-1 <mark>1/2</mark>"

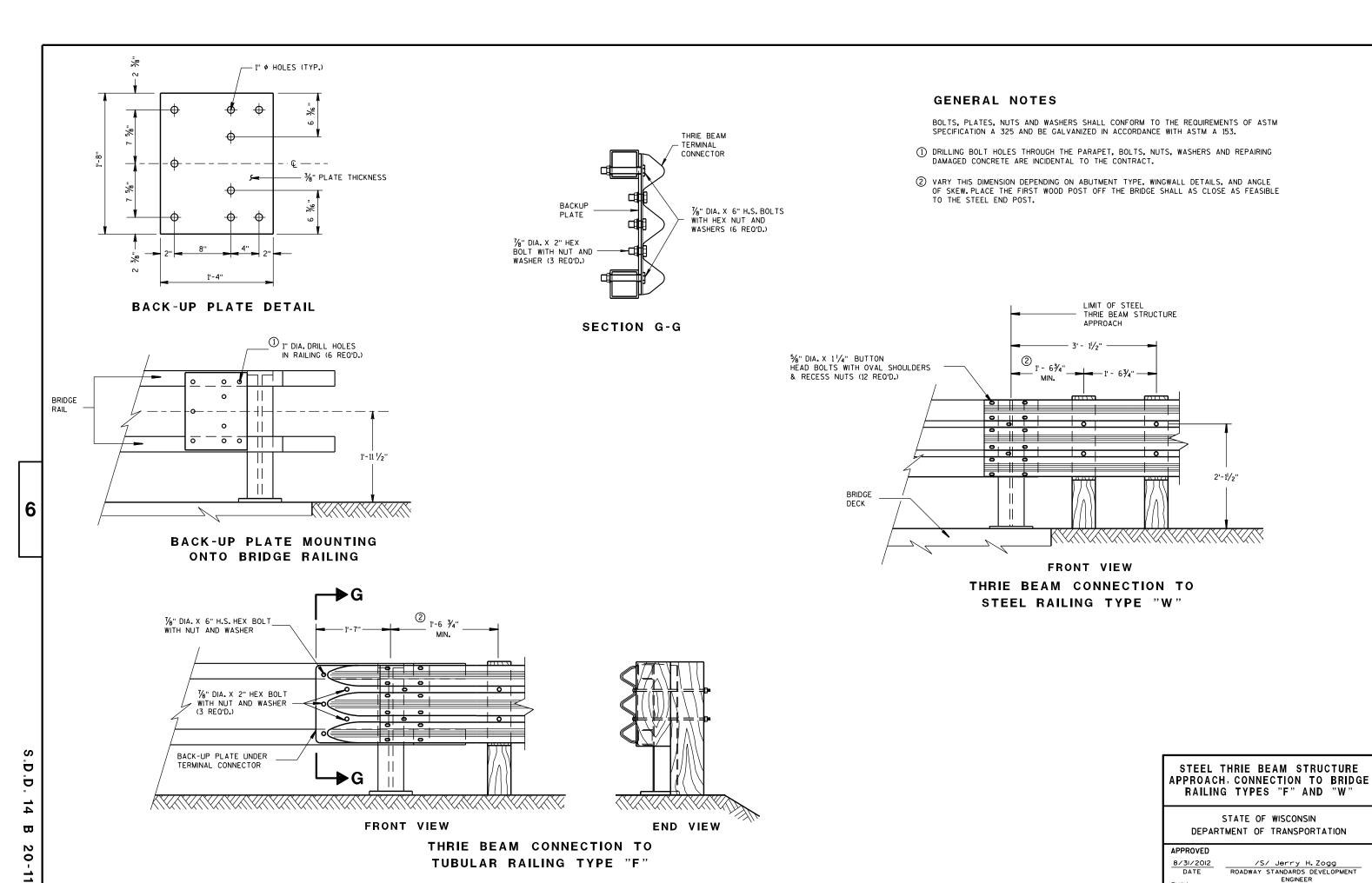
ROADWAY STANDARDS DEVELOPMENT ENGINEER

Ö

SECTION E-E

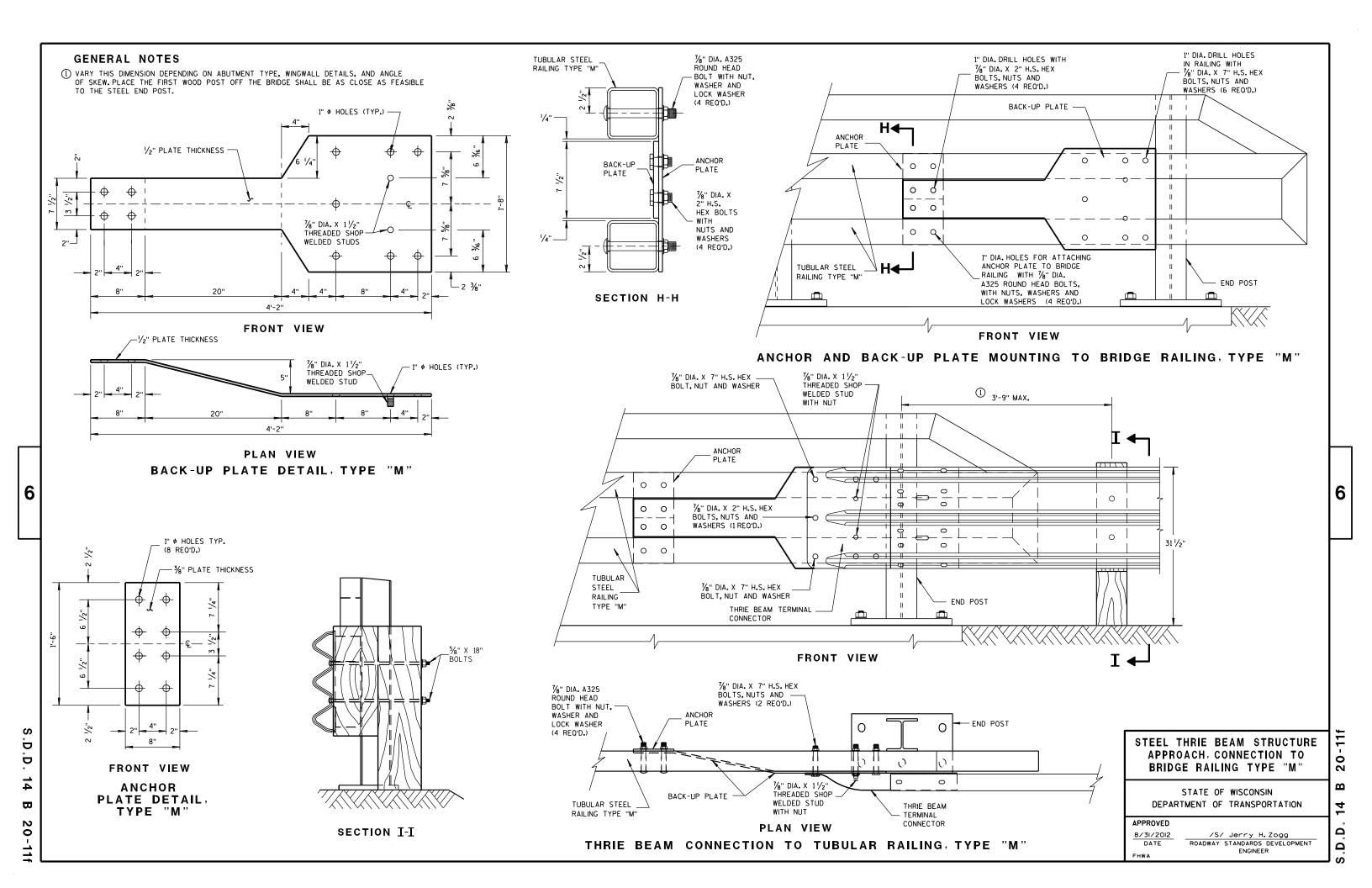
0 Ñ $\mathbf{\omega}$ Δ

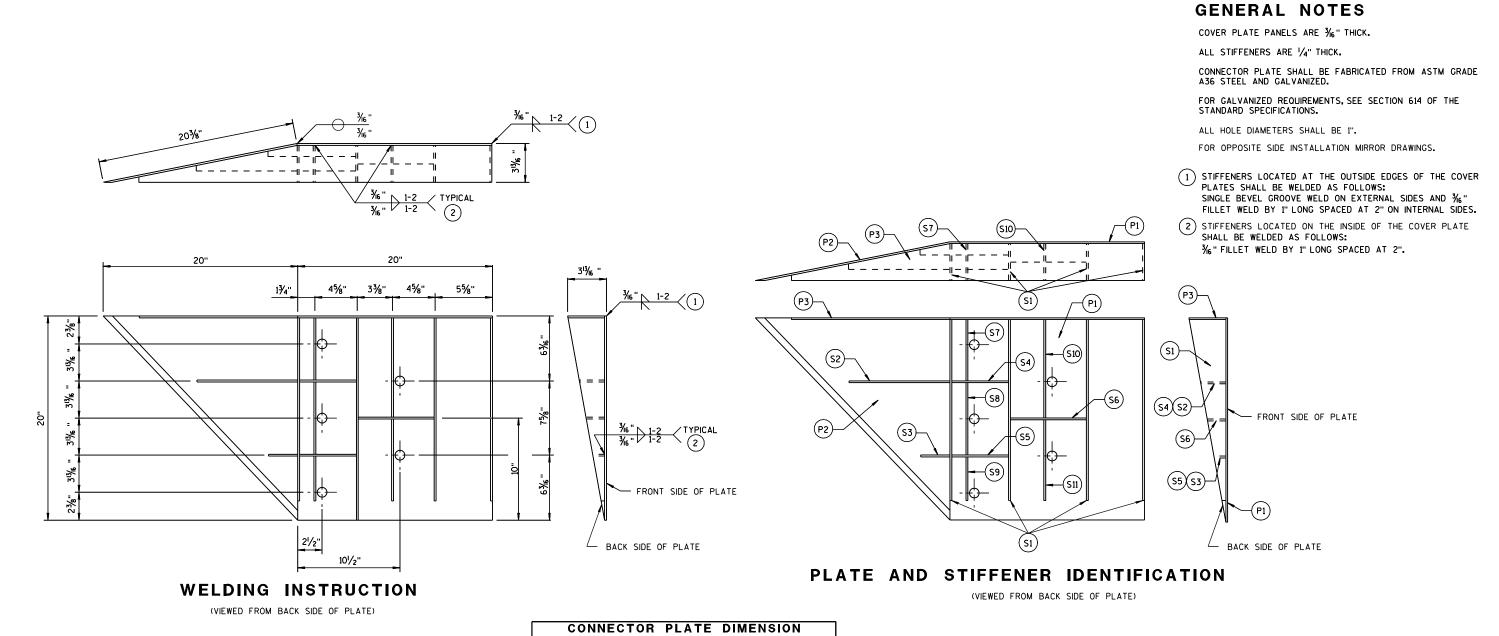




0 Ω Ω Ω

ENGINEER





CONNECTOR PLATE DIMENSION (PER ASSEMBLY)				
PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1	в₫	20" × 20"	3/6 "
P2	1	B₽Ĉ	20" × 20" × 28 % 6"	3/6 "
Р3	1	B _ C D	39" × 35/8" × 20" × 195/6"	3∕16 "
S1	4	BA	18 1/16 " × 3 5/8" × 18 3/4"	1/4"
S2	1	B C D	10 ¹ / ₄ " × 2 ¹ / ₁₆ " × 10 ³ / ₈ " × ¹ / ₂ "	1/4"
S3	1	B₽D	3" × 1½6" × 3½" × ½"	1/4"
S4	1	вЁ	61/8" × 21/6"	1/4"
S5	1	вД	61/8" × 11/16"	1/4"
S6	1	в≜	7¾" × 1¾"	1/4"
S7	1	₽	2%6" × 6" × 3%" × 5%"	1/4"
S8	1	A DC	1 ⁵ / ₃₂ " × 7 ¹ / ₂ " × 2 ¹ / ₂ " × 7 ³ / ₈ "	1/4"
S9	1	C B	6½6" × 6¾6" × 1¾32"	1/4"
S10	1	₩	11/8" × 91/8" × 35/8" × 911/16 "	1/4"
S11	1	C A	8½" × 8¾" × 1⅓6 "	1/4"

6

Ö

b

 $\boldsymbol{\varpi}$

0

STEEL THRIE BEAM STRUCTURE APPROACH

STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTOR PLATE DETAIL 6

20

Ω

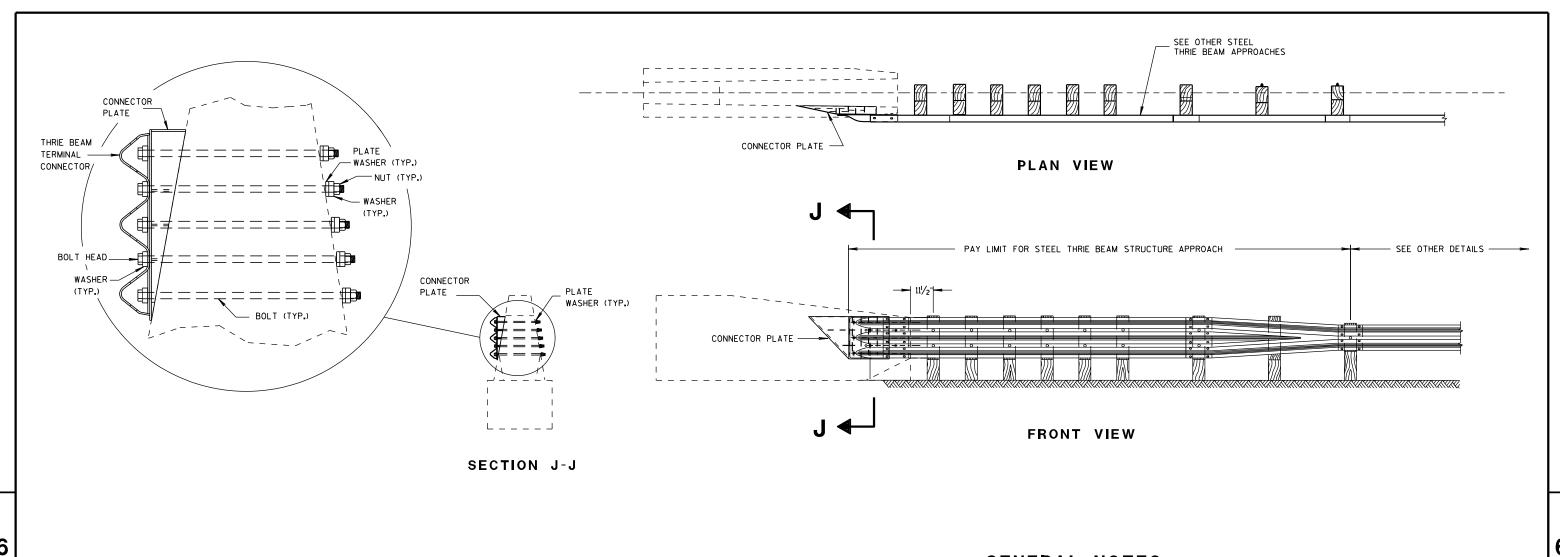
Ω

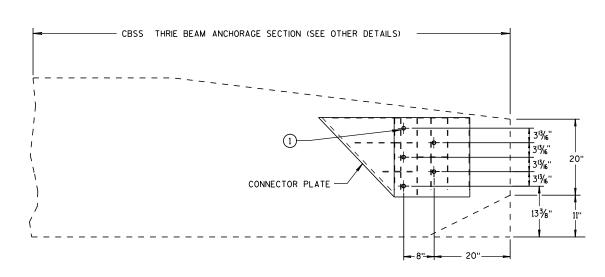
Ω

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 8/31/2012

/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER





CONSTRUCT PER STANDARD SPECIFICATION 614.

CONNECTOR PLATE, DRILLING HOLES THROUGH PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

1 BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM TERMINAL CONNECTOR. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

CONNECTOR PLATE LOCATION

STEEL THRIE BEAM STRUCTURE APPROACH

STEEL THRIE BEAM STRUCTURE APPROACH, SINGLE SLOPE ATTACHMENT

Ω

Ω

Ω

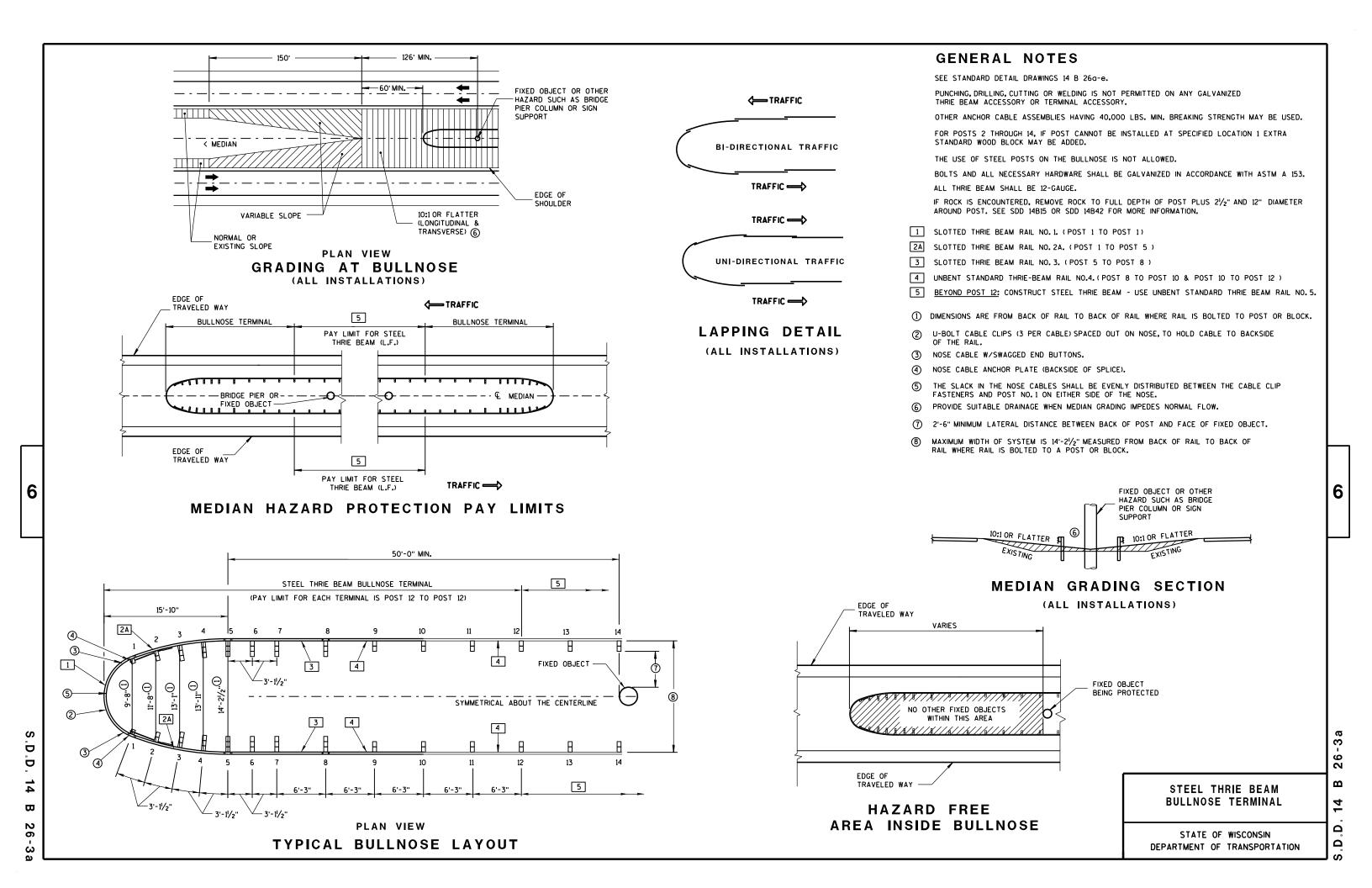
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

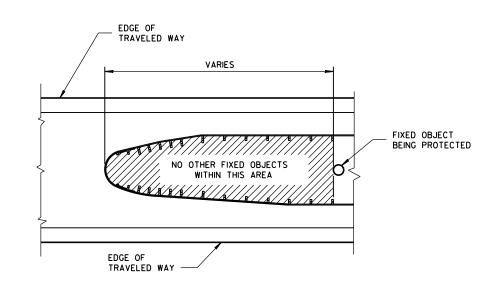
APPROVED

8/31/2012 /S/ Jerry H. Zogg

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

S.D.D. 14 B 20-11h



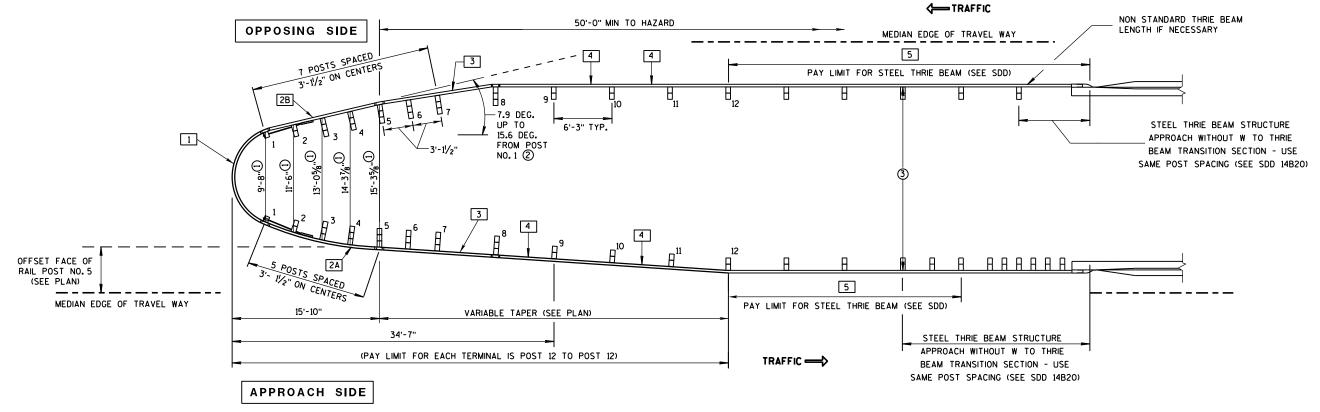


HAZARD FREE AREA INSIDE BULLNOSE

SEE STANDARD DETAIL DRAWINGS 14 B 26d-e.

FOR POSTS 2 THROUGH 14, IF POST CANNOT BE INSTALLED AT SPECIFIED LOCATION 1EXTRA STANDARD WOOD BLOCK MAY BE ADDED.

- 1 SLOTTED THRIE BEAM RAIL NO. 1. (POST 1 TO POST 1)
- 2A SLOTTED THRIE BEAM RAIL NO. 2A, (POST 1 TO POST 5)
- 2B SLOTTED THRIE BEAM RAIL NO. 2B. (POST 1 TO POST 5)
- 3 SLOTTED THRIE BEAM RAIL NO. 3. (POST 5 TO POST 8)
- 4 UNBENT STANDARD THRIE-BEAM RAIL NO. 4, (POST 8 TO POST 10 & POST 10 TO POST 12)
- BEYOND POST 12: CONSTRUCT STEEL THRIE BEAM USE UNBENT STANDARD THRIE BEAM RAIL NO. 5.
- ① DIMENSIONS ARE FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO POST.
- TAPER BEGINNING AT POST NO.1 MUST CONTINUE TO POST NO.5. PAST POST NO.5 TAPER MAY END OR BE EXTENDED UP TO 15.6 DEGREES TO FIT VARIABLE MEDIAN WIDTHS. (SEE PLAN)
- FOR MEDIANS WIDER THAN 14'-21/2" MEASURED FROM BACK OF RAIL TO BACK OF RAIL WHERE RAIL IS BOLTED TO A POST OR BLOCK.



PLAN VIEW

WIDENED BULLNOSE DESIGN

(INSTALLATION AT TWIN BRIDGES WITH BI-DIRECTIONAL TRAFFIC SHOWN)

STEEL THRIE BEAM BULLNOSE TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 14 B 26-3

6

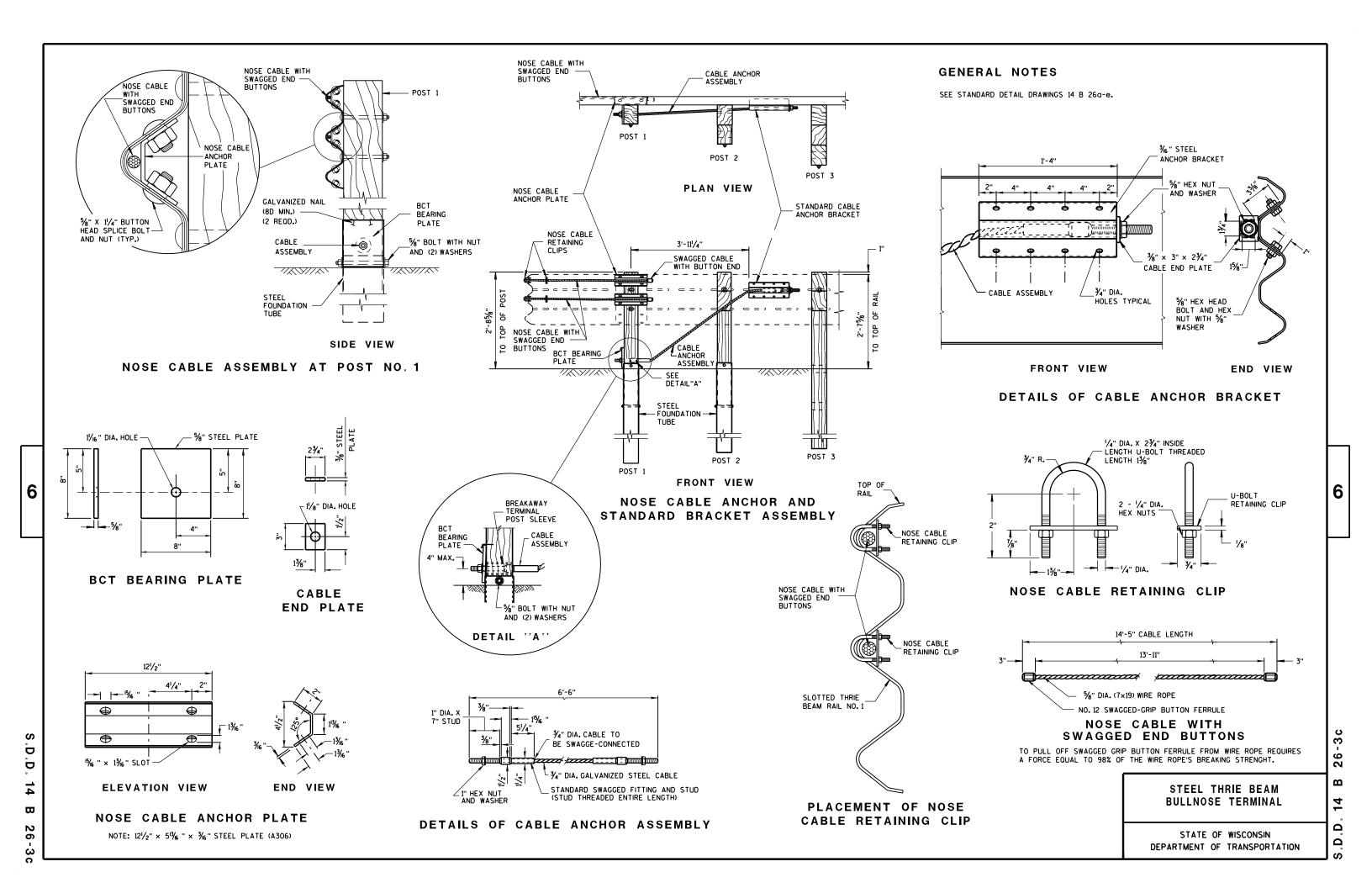
3.D.D. 14

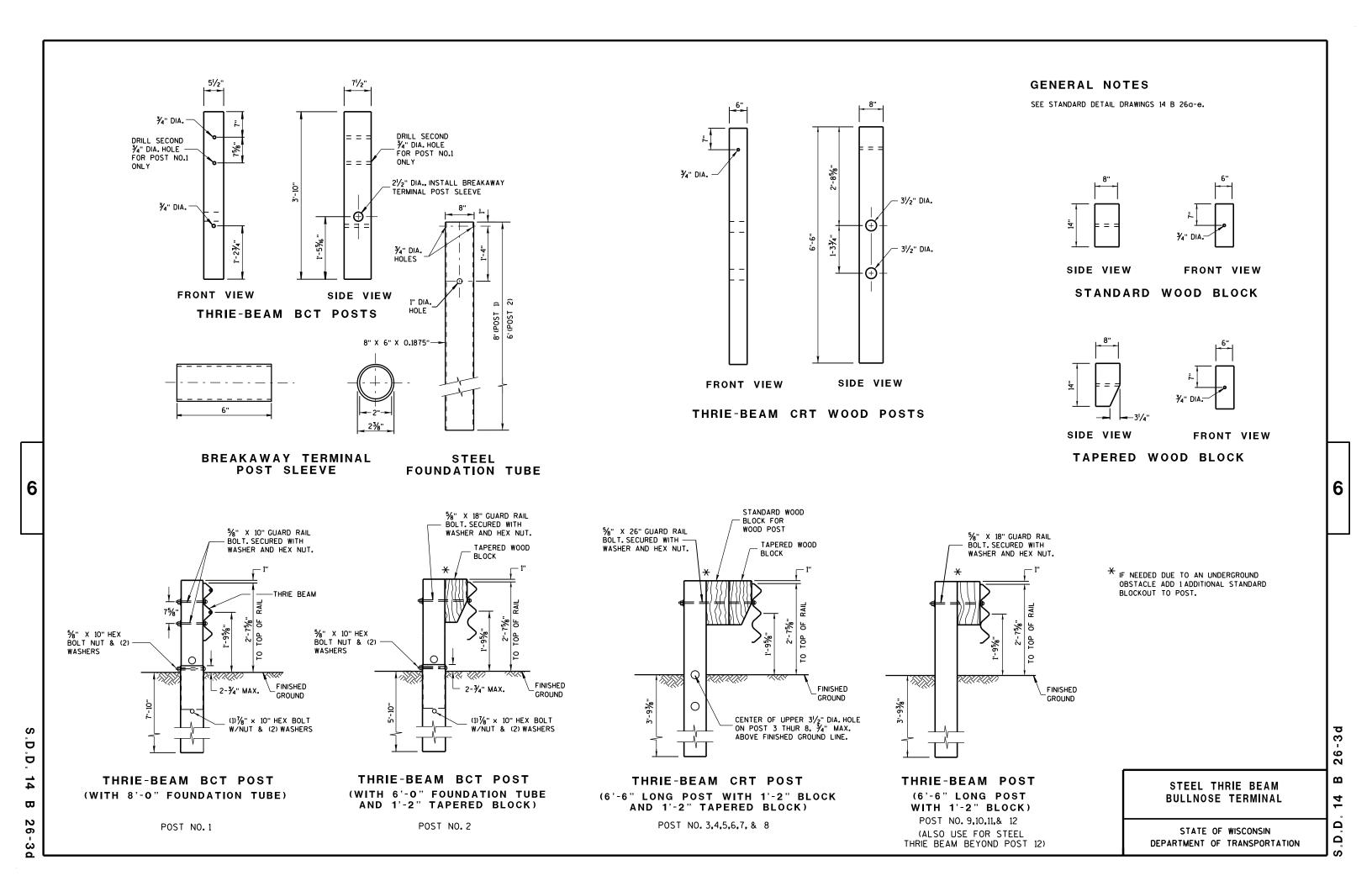
3 b

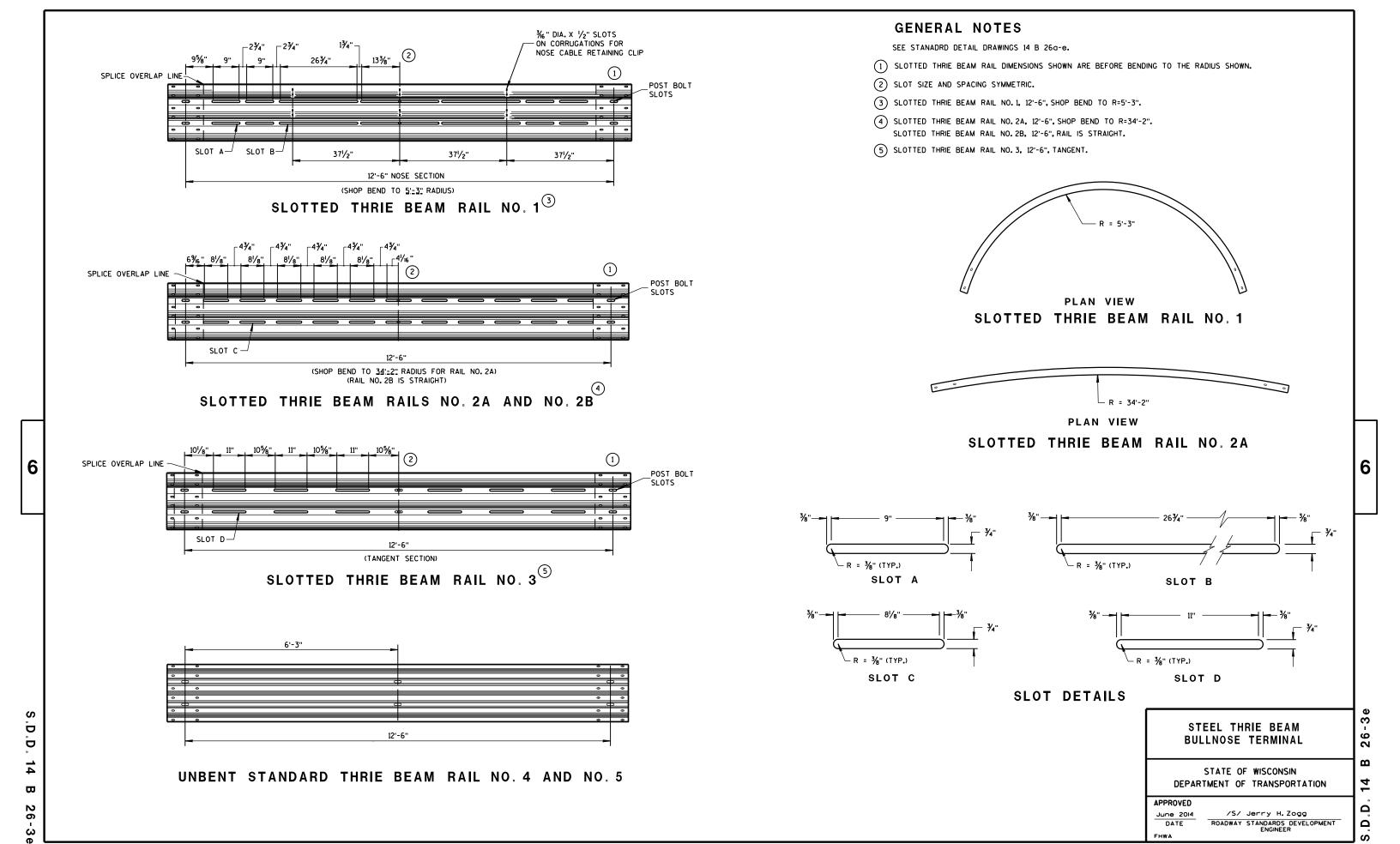
9

2

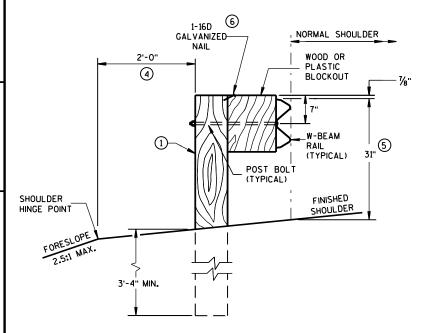
 $\mathbf{\omega}$





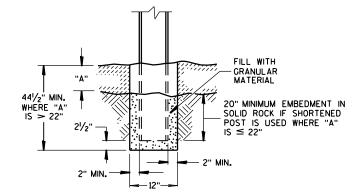


- (1) WOOD OR STEEL POSTS (W6X9 OR W6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
- 2 USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 21/2 INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- (4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- (5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 273/4" TO 32".
- (6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



END VIEW

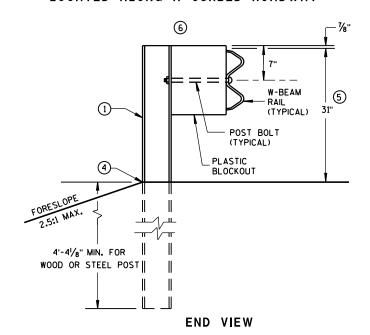
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



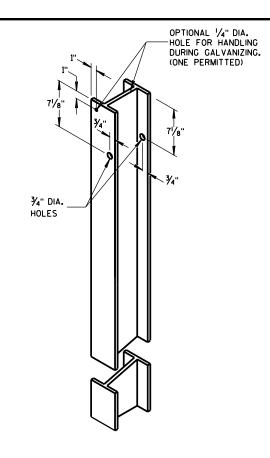
SETTING STEEL OR WOOD POST IN ROCK $^{\scriptsize{\textcircled{3}}}$



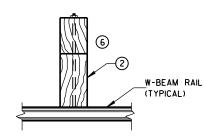
END VIEW
LOCATED ALONG A CURBED ROADWAY



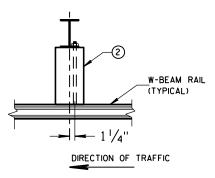
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



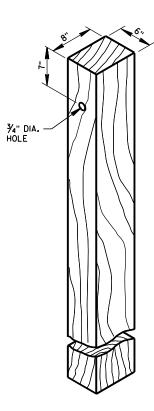
STEEL POST & HOLE PUNCHING DETAIL (w6X9)



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM



WOOD POST (6" X 8") NOMINAL $^{\scriptsize \textcircled{1}}$



WOOD OR PLASTIC BLOCKOUT

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

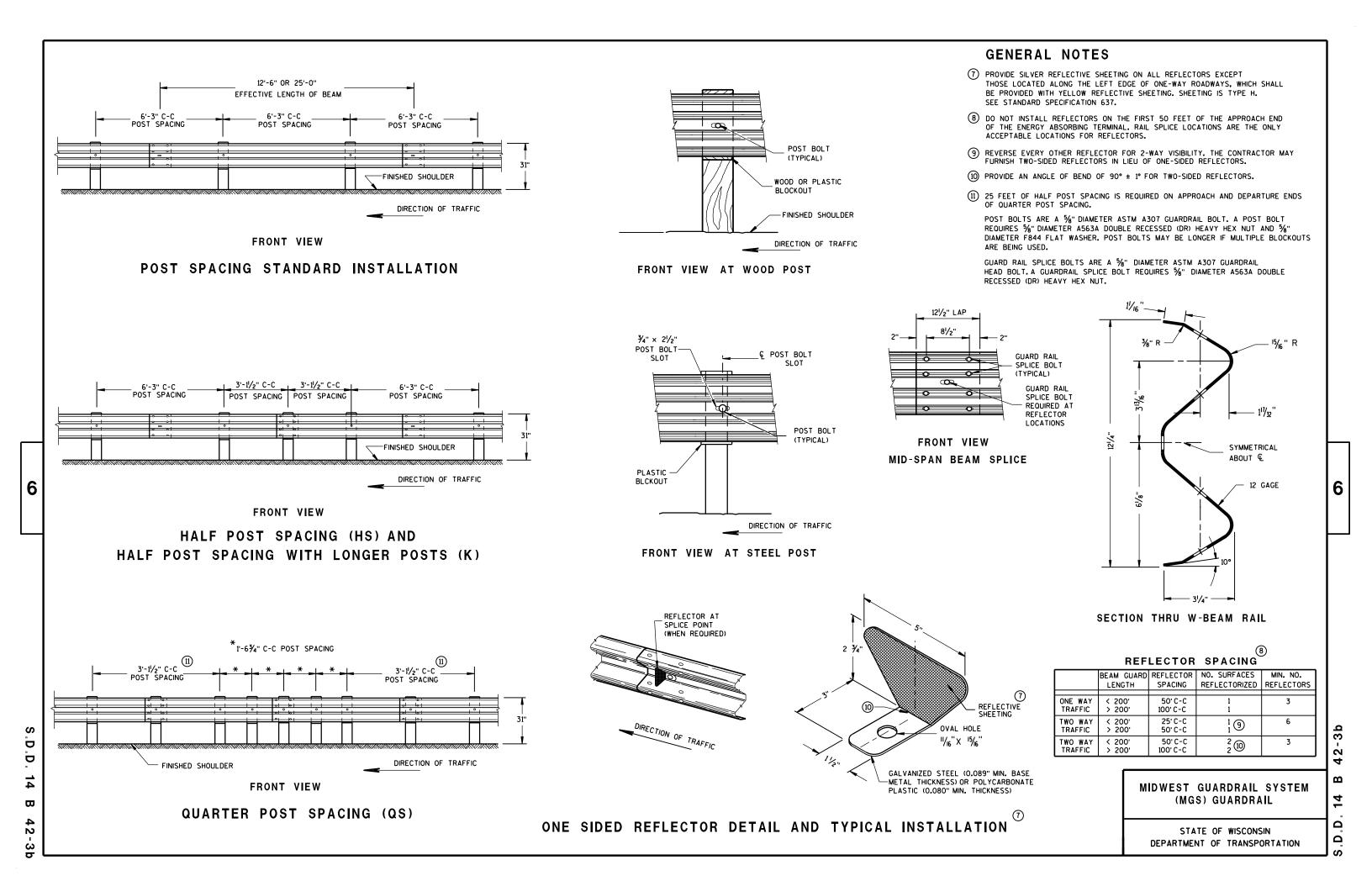
S.D.D. 14 B 4

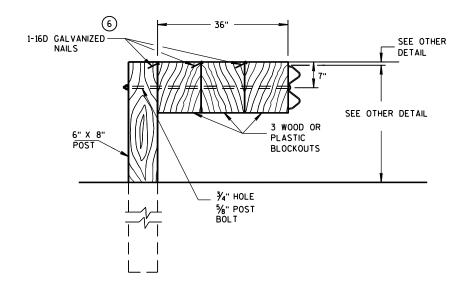
6

.D.D. 14 B

3a

2



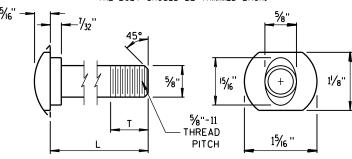


DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

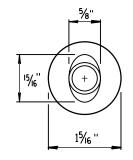
> DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF $\frac{1}{16}$ ". 2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

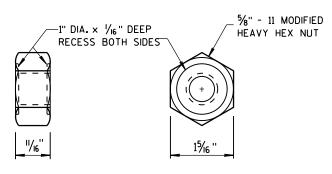


POST BOLT TABLE

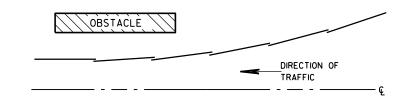
11/8"
437
13/4"
4"
41/16"
4"
41/16"
4"



ALTERNATE BOLT HEAD

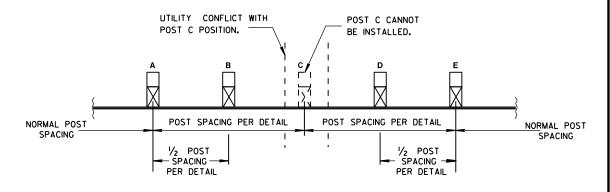


POST BOLT AND RECESS NUT



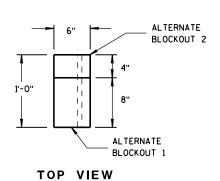
PLAN VIEW

BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

ALTERNATE WOOD **BLOCKOUT DETAIL**

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

June 2014 /S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER FHWA

٦ Ö ₩ 2

S

6

 $\mathbf{\omega}$ Ω

Ö



S.D.D.

₩

SECTION A-A SECTION B-B

9 H

PLAN VIEW

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
1	WOOD BREAKAWAY POST
2	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1AND 2
3	WOOD CRT
4	WOOD BLOCKOUT
(5)	PIPE SLEEVE
6	BEARING PLATE
7	BCT CABLE ASSEMBLY
8	ANCHOR CABLE BOX
9	GROUND STRUT
10	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(11)	STANDARD W-BEAM RAIL.MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
12	END SECTION EAT
(3)	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS
14)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)



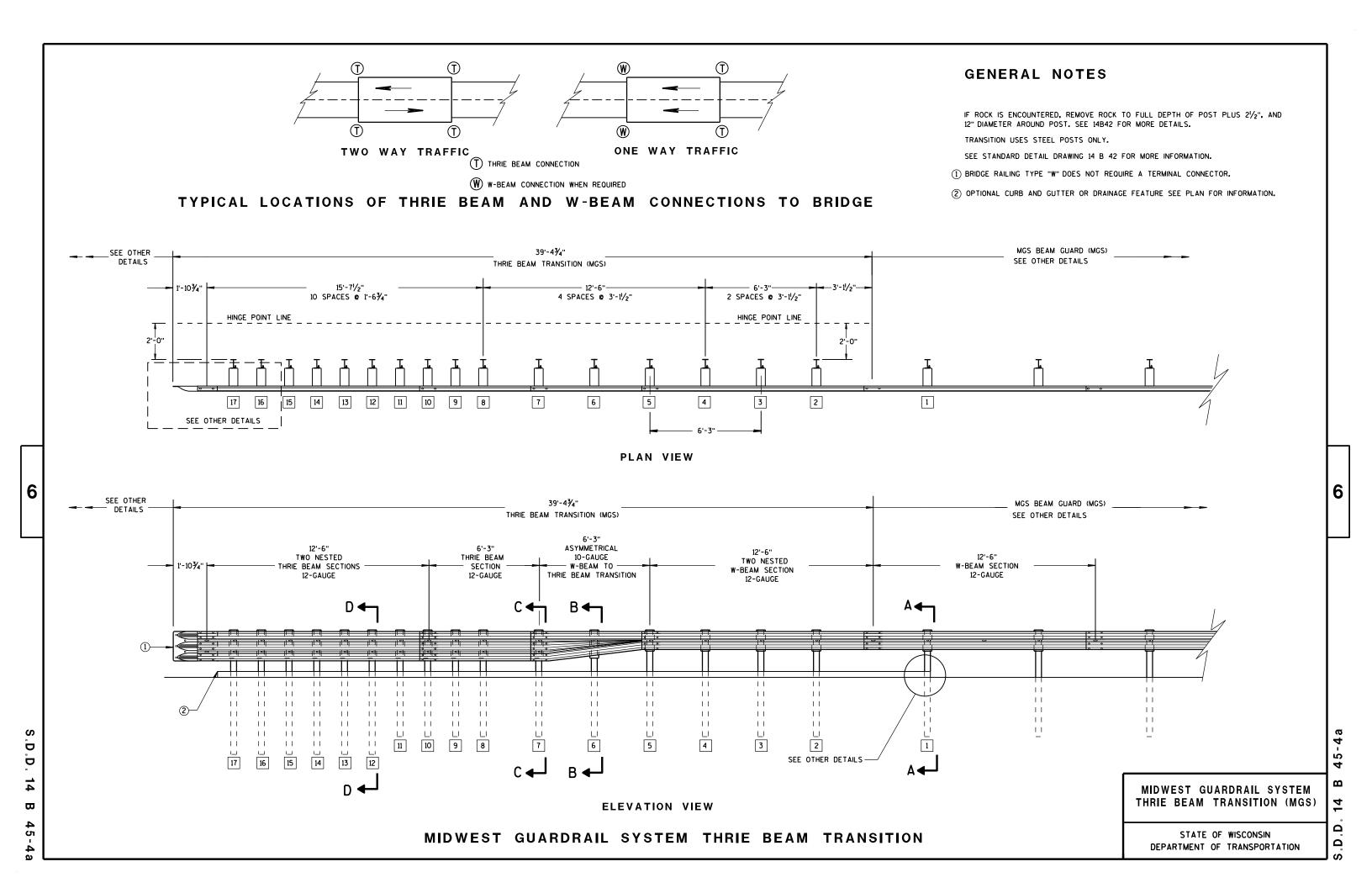
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

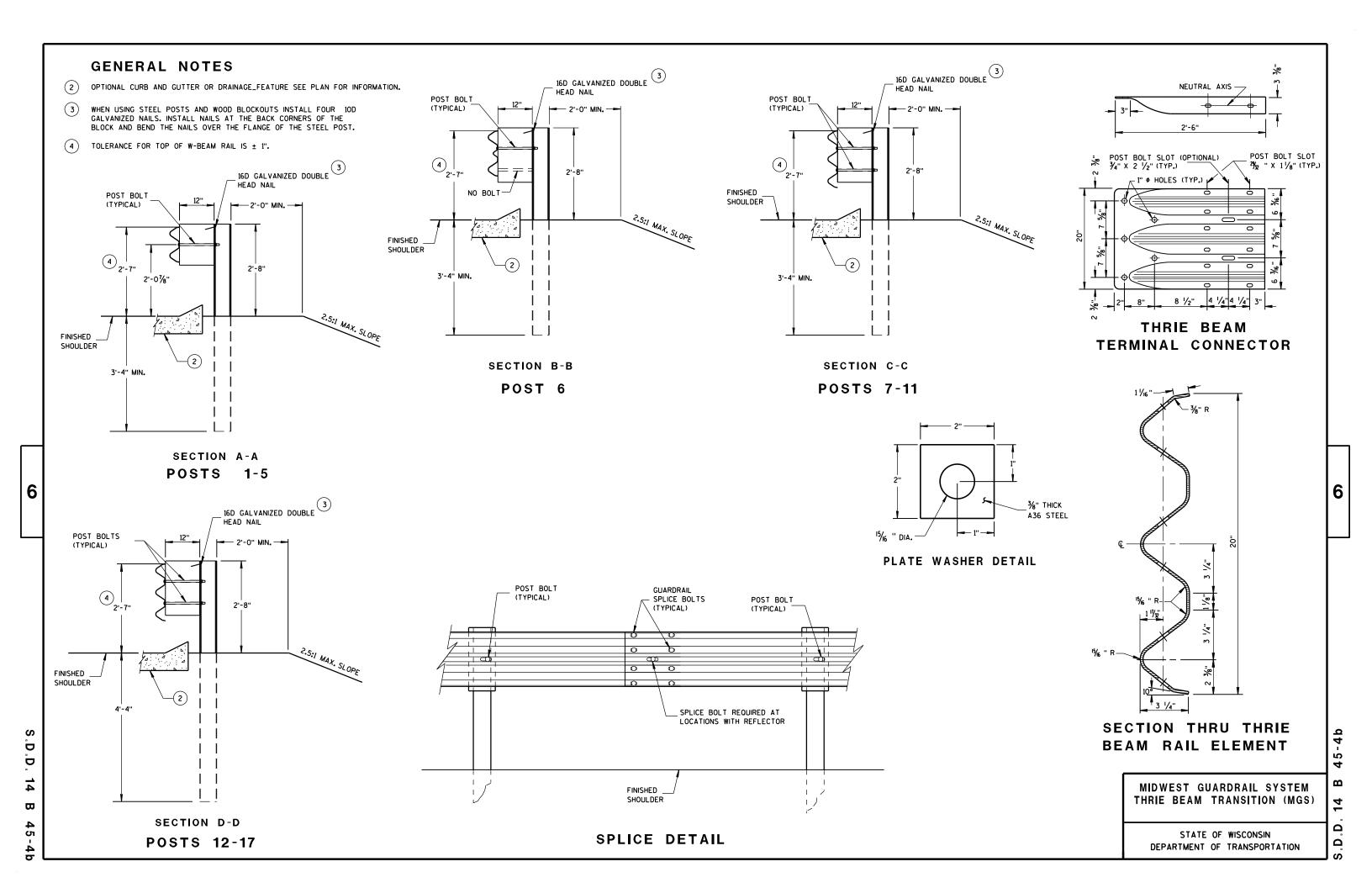
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

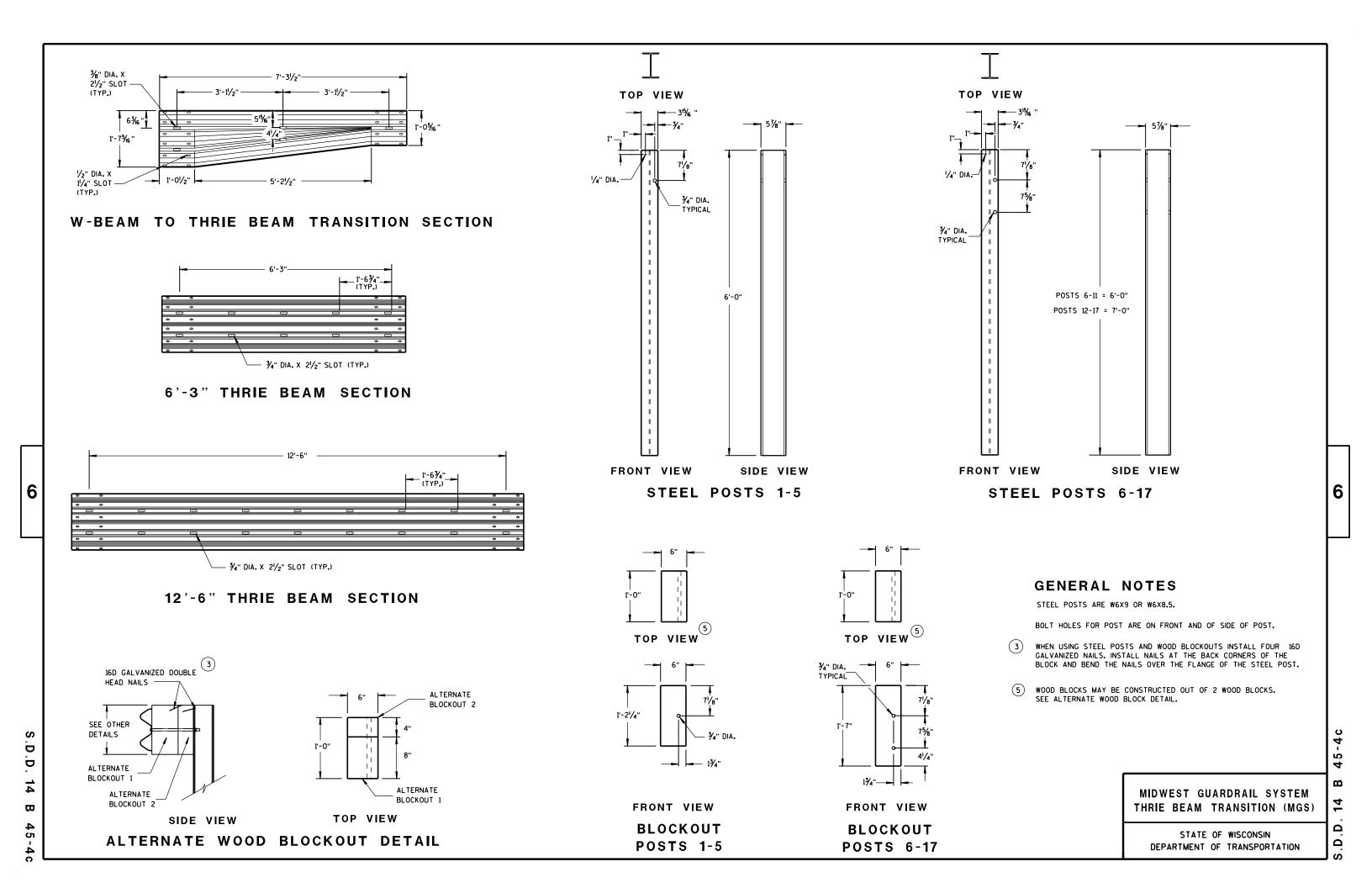
44-2b

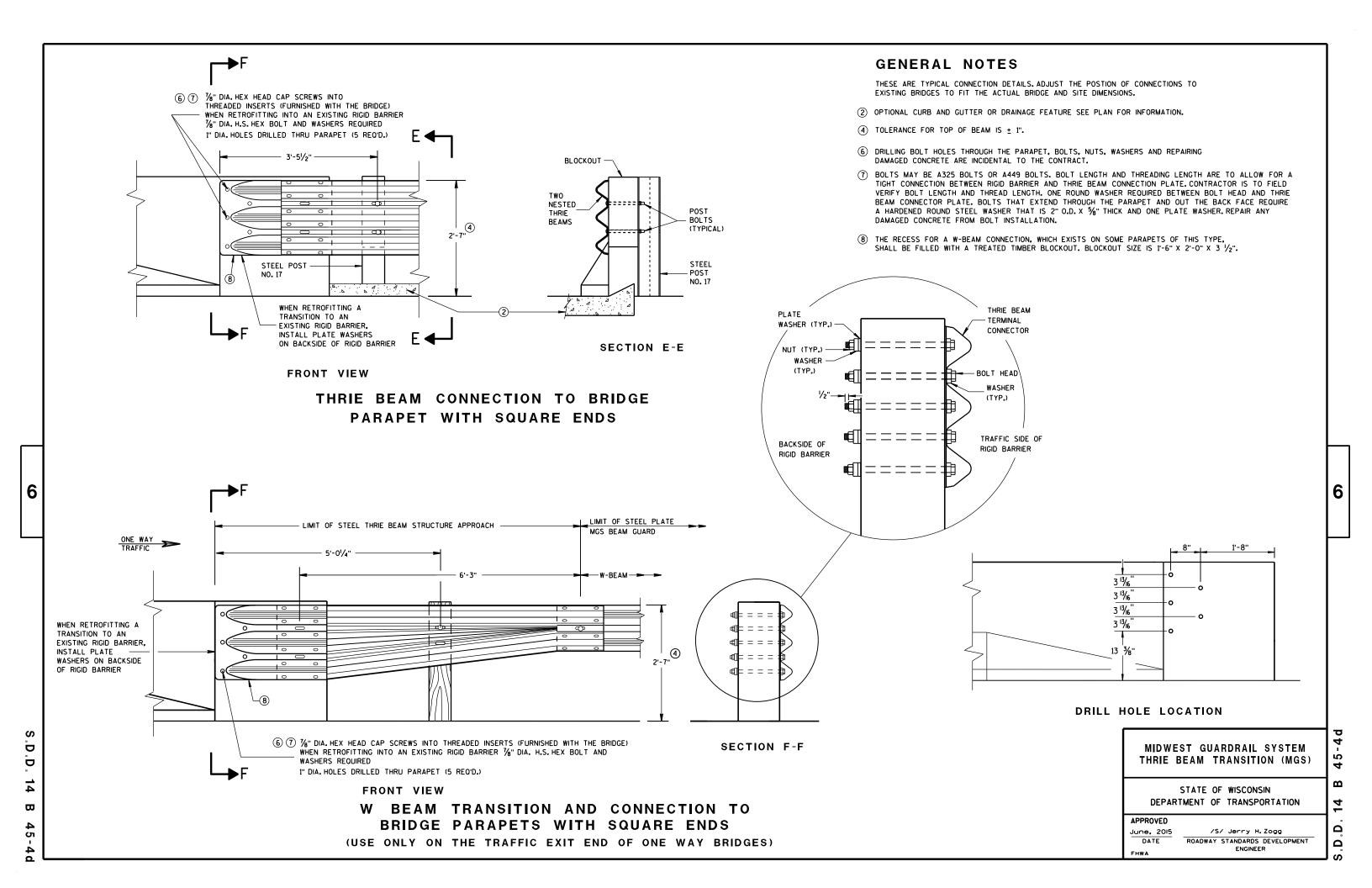
 $\mathbf{\omega}$ 14 ٠٠ ت











THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

- (2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.
- (4) TOLERANCE FOR TOP OF BEAM IS ± 1".

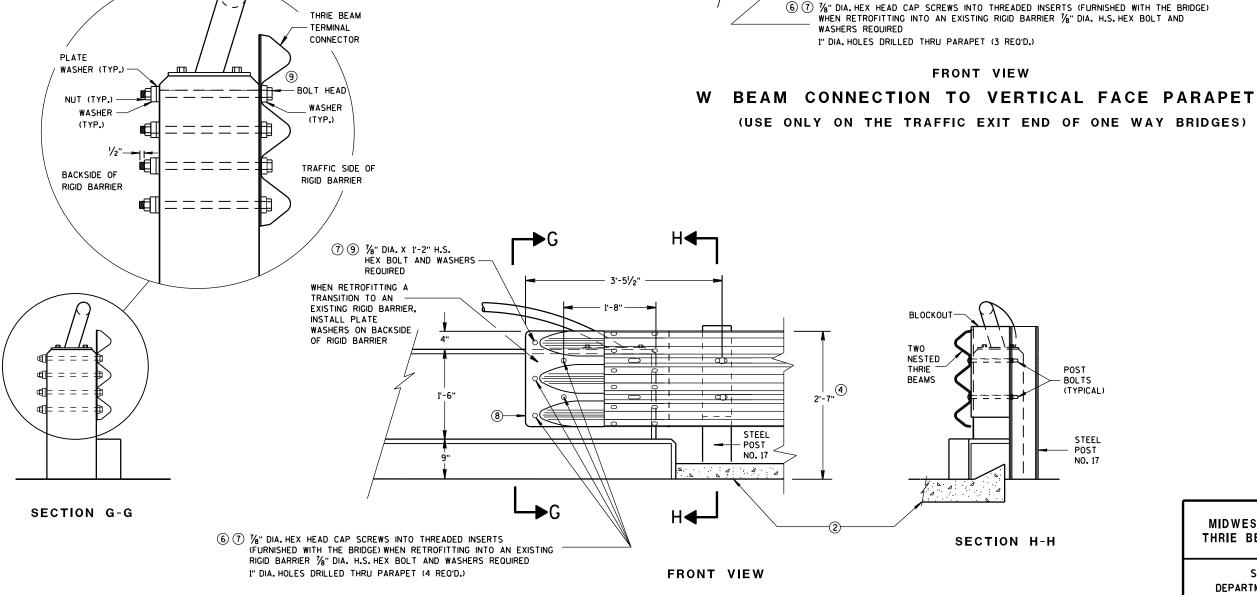
6

Ö

D

₩

- (6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.
- TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTION PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5%" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.
- (8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".
- (9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.



THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

(7) 1/8" DIA. X 1'-2" H.S.

REQUIRED

WHEN RETROFITTING

A TRANSITION TO

AN EXISTING RIGID

BARRIFR, INSTALL

PLATE WASHERS

ON BACKSIDE OF

RIGID BARRIER

HEX BOLT AND WASHERS

W BEAM TERMINAL -

9

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
APPROVED
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE

FHWA

LIMIT OF STEEL PLATE

MGS BEAM GUARD

ONE WAY

TRAFFIC

4

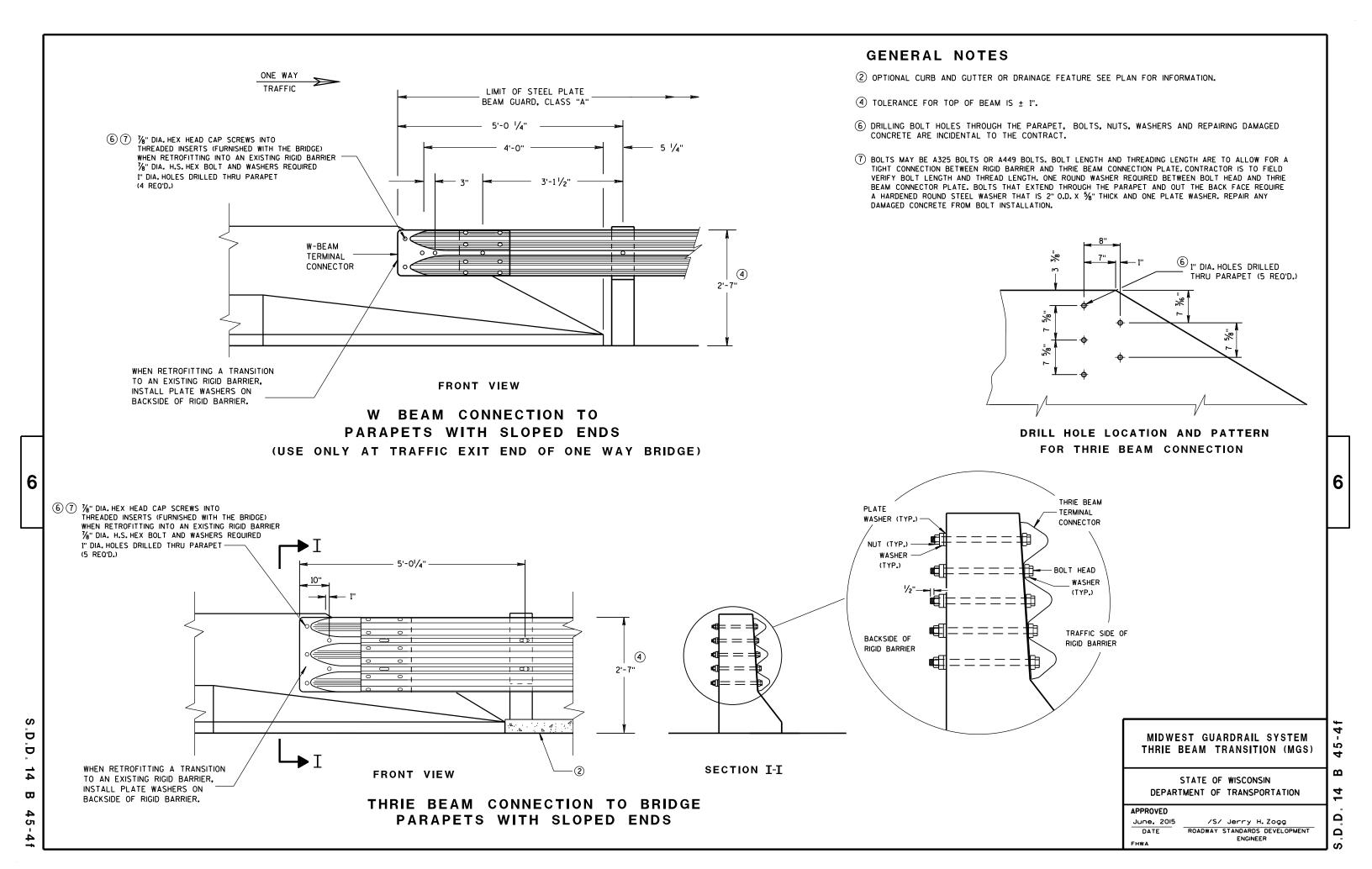
2'-7"

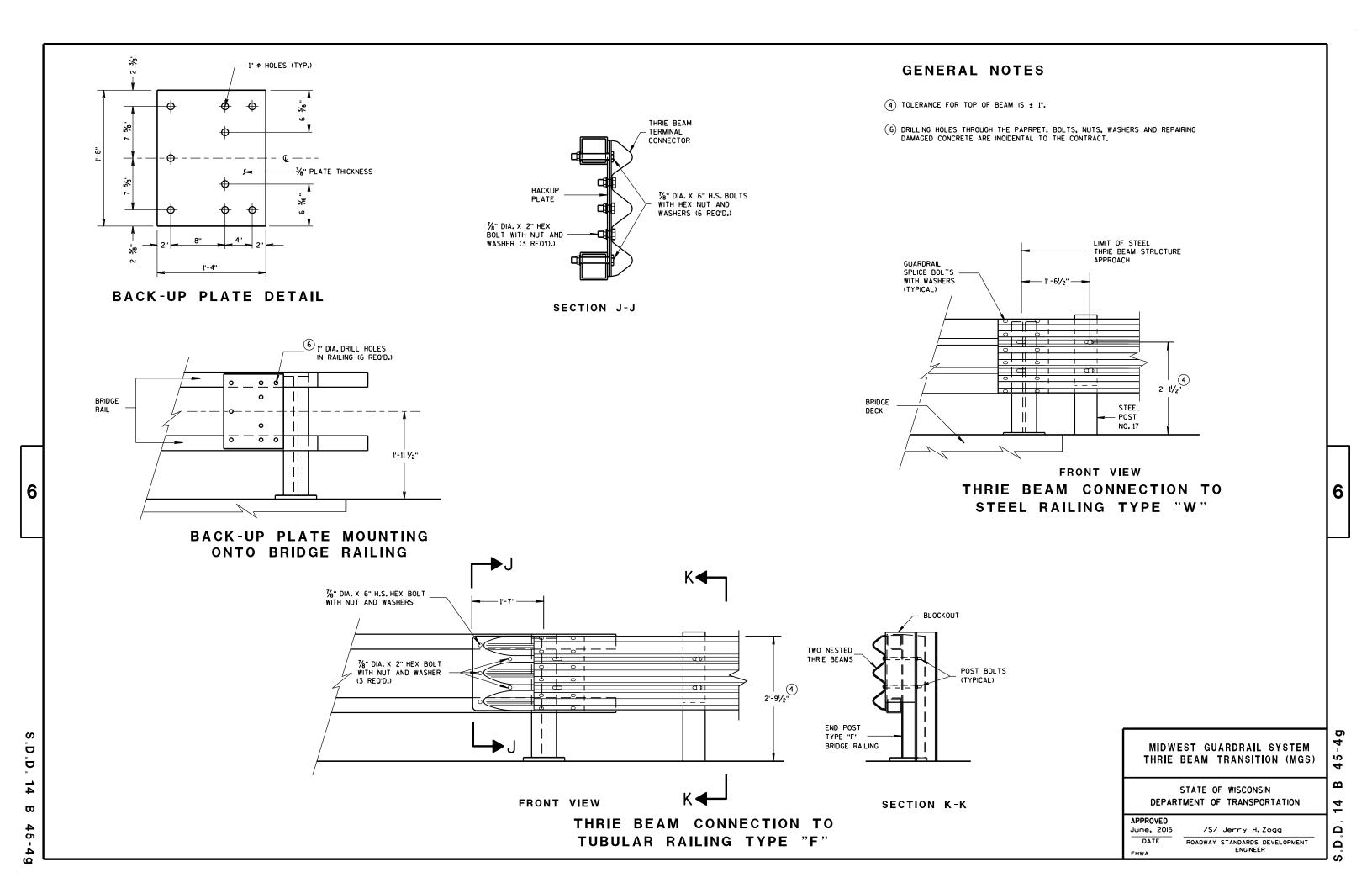
5'-0 1/4" —

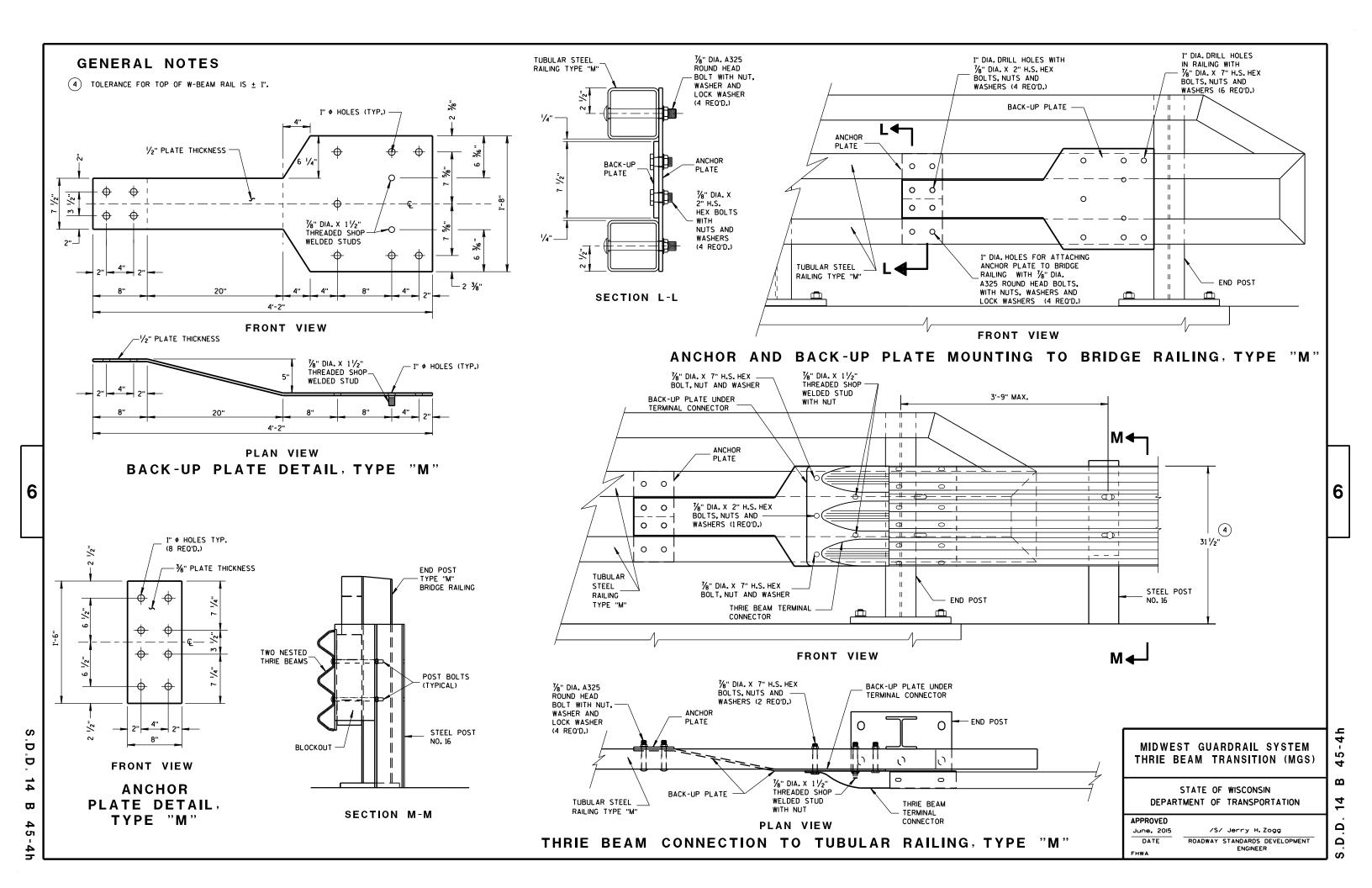
- 3'-1¹/₂"

ROADWAY STANDARDS DEVELOPMENT ENGINEER

S.D







(PER ASSEMBLY)				
PLATE	QUANTITY	SHAPE	SIZE (A × B × C × D)	THICKNESS
P1	1	в₫	20" × 20"	3/6"
P2	1	B∱c	20" × 20" × 28 % 6"	¾6 "
Р3	1	B&D	39" × 35/8" × 20" × 195/6"	3/6 "
S1	4	B A	18 % 6" × 3 % " × 18 ¾ "	1/4"
S2	1	B D	10 ¹ / ₄ " × 2 ⁷ / ₁₆ " × 10 ³ / ₈ " × ¹ / ₂ "	1/4"
S3	1	B₽₽	3" × 11/16" × 31/8" × 1/2"	1/4"
S4	1	в₫	61/8" × 21/16"	1/4"
S5	1	в₾	6½" × ½"	1/4"
S6	1	в₾	7¾" × 1¾"	1/4"
S7	1	A DC	2%6" × 6" × 35%" × 57%"	1/4"
S8	1	4 <u>0</u> 2	1 ⁵ / ₃₂ " × 7 ¹ / ₂ " × 2 ¹ / ₂ " × 7 ³ / ₈ "	1/4"
S9	1	C □ R	6½6" × 6¾6" × 1¾2"	1/4"
S10	1	A D C	11/8" × 91/8" × 35/8" × 911/16 "	1/4"
S11	1	c ≜	8½" × 8¾" × 1¼6 "	1/4"

6

D

D

 \Box

Ġ

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

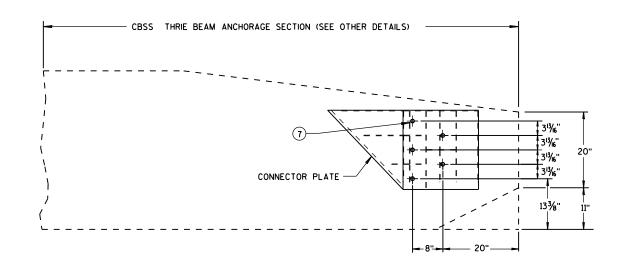
APPROVED	
2015	

/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER FHWA

Ω Ω

 $\mathbf{\omega}$

4

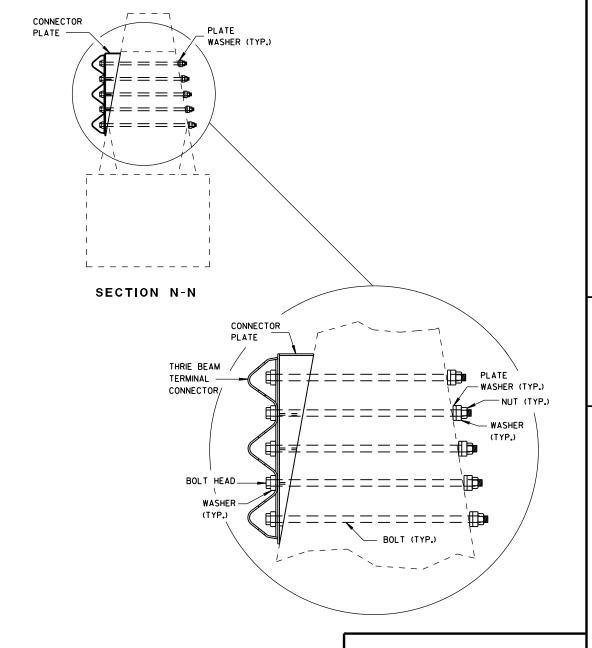


SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

- 2 OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.
- BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X %" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

4

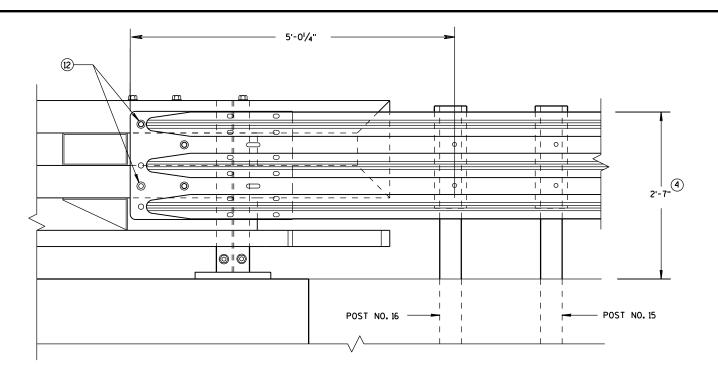
APPROVED
June, 2015 /S.

FHWA

OIS /S/ Jerry H. Zogg

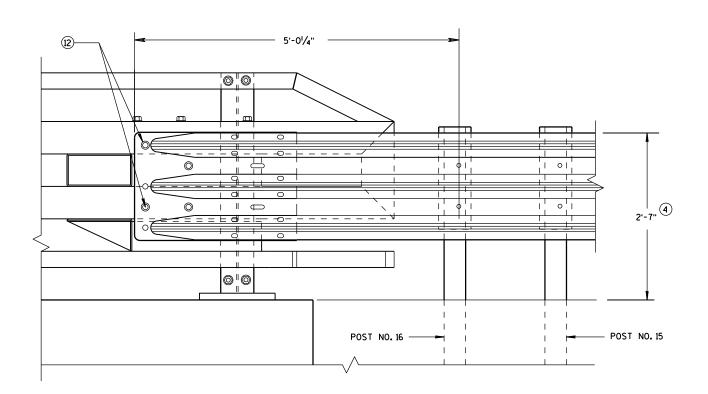
ROADWAY STANDARDS DEVELOPMENT
ENGINEER

S.D.D. 14 B 4



ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

- 4 TOLERANCE FOR TOP OF BEAM IS ± 1".
- (12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS) 6

2

Ω

Ω

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

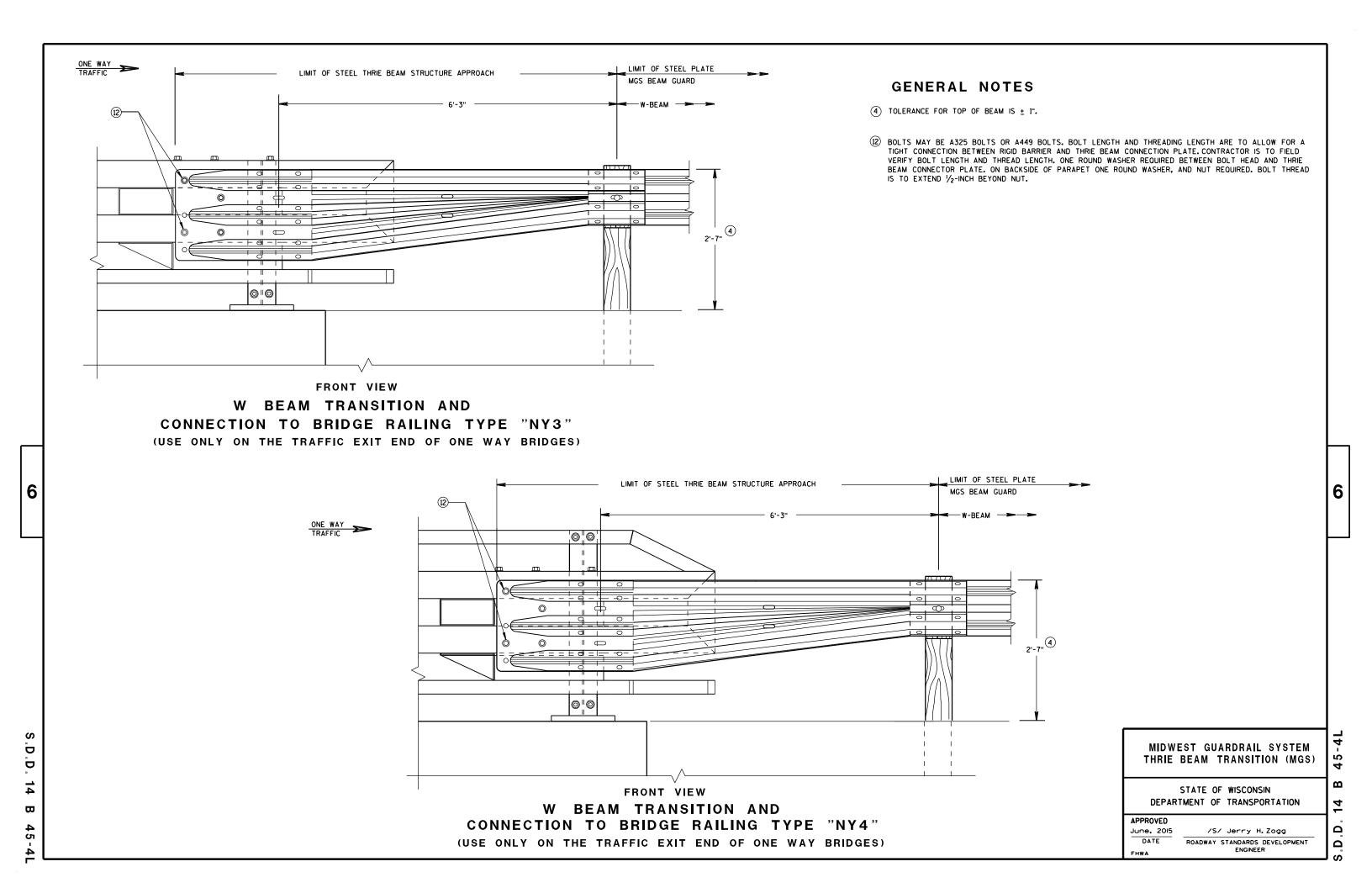
APPROVED

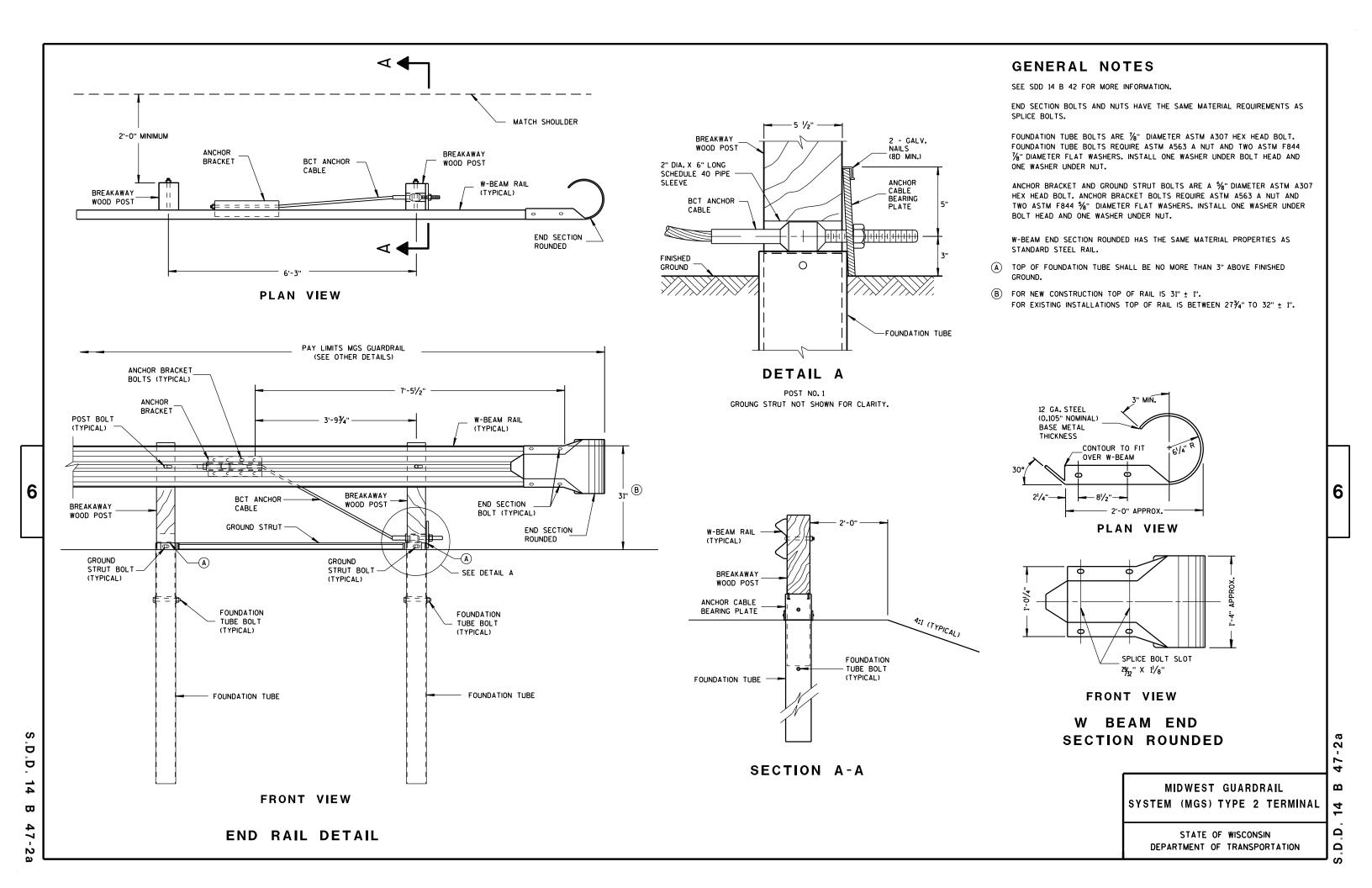
/S/ Jerry H. Zogg June, 2015 DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER FHWA

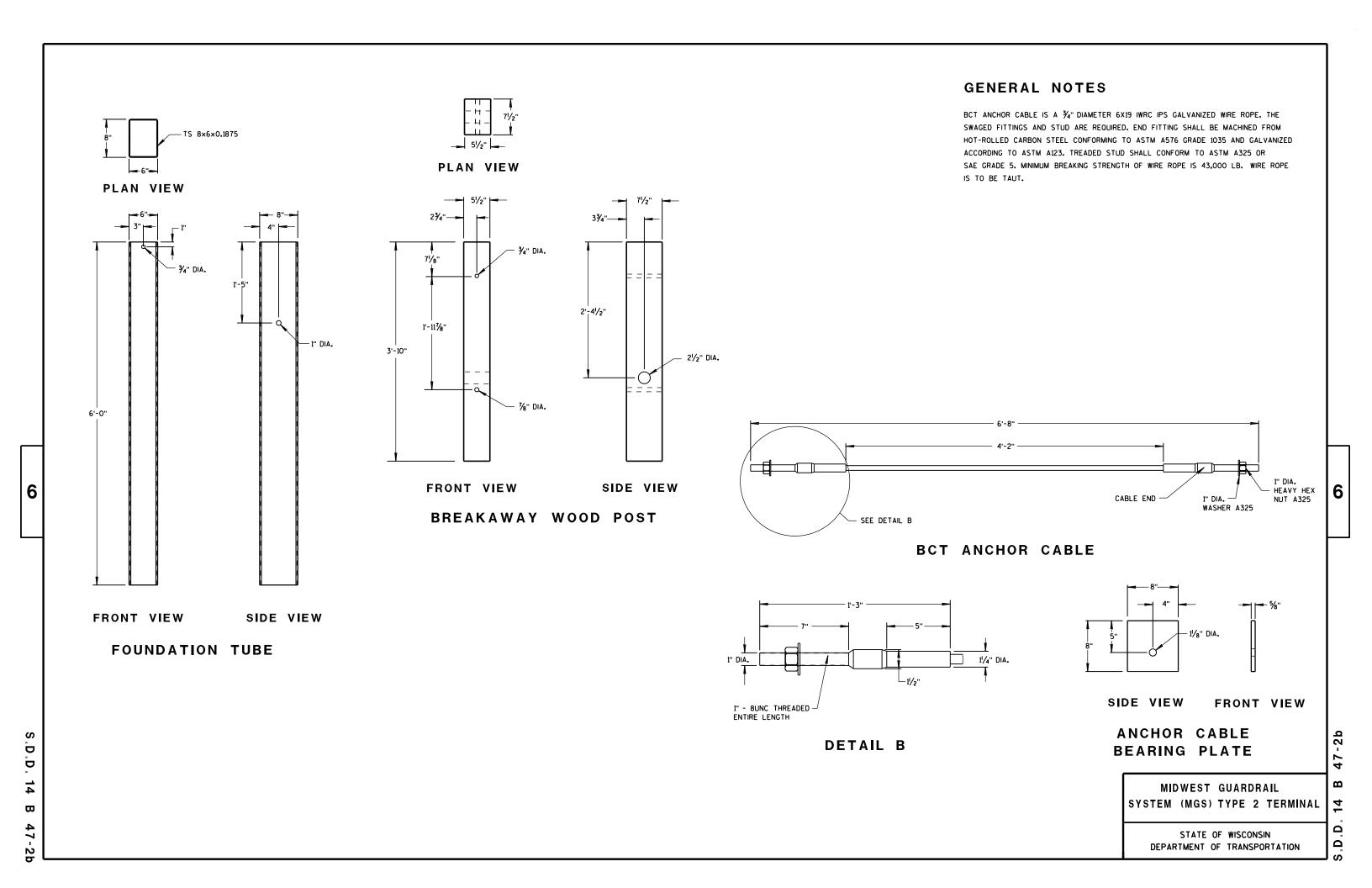
6

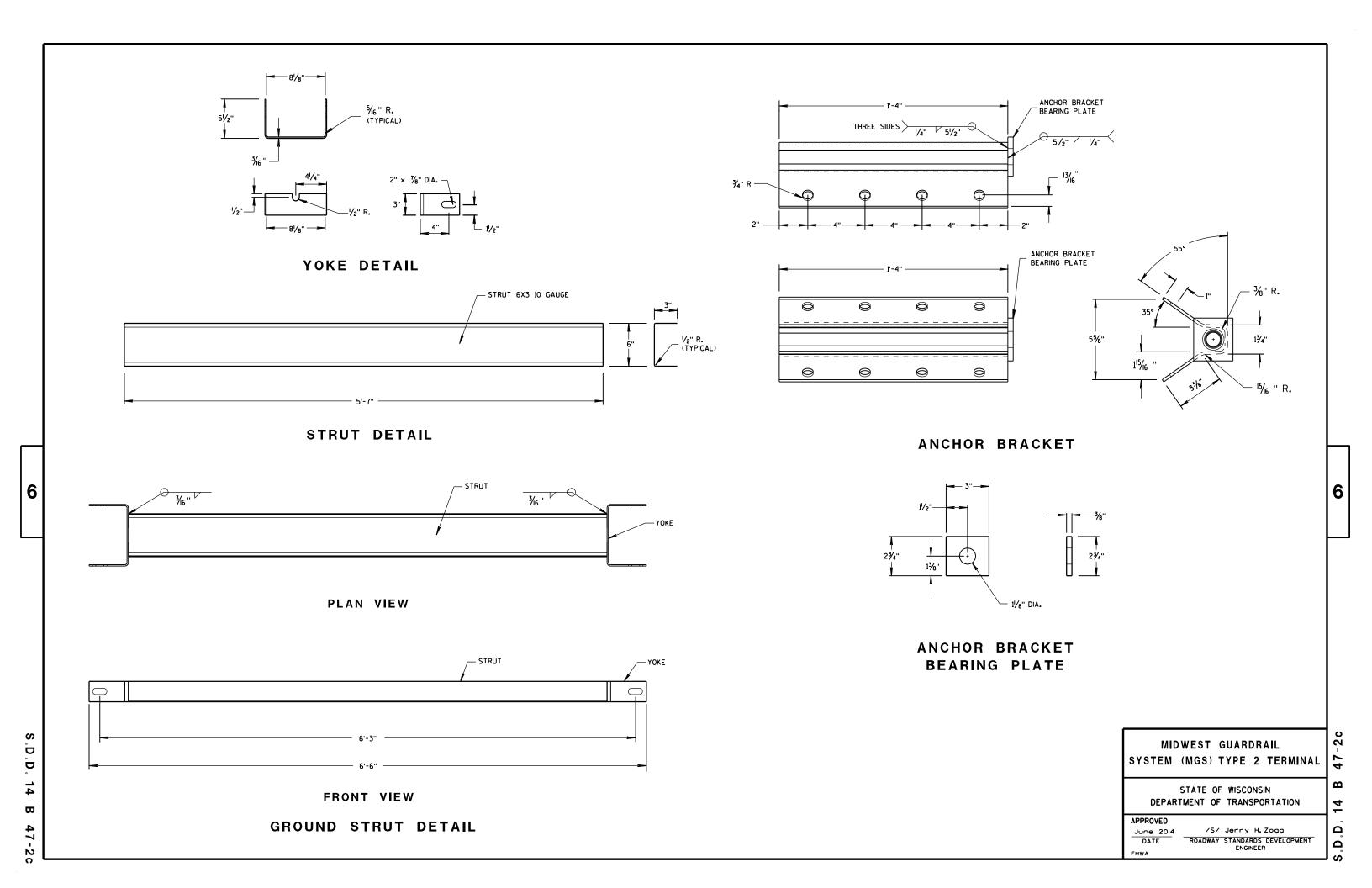
D

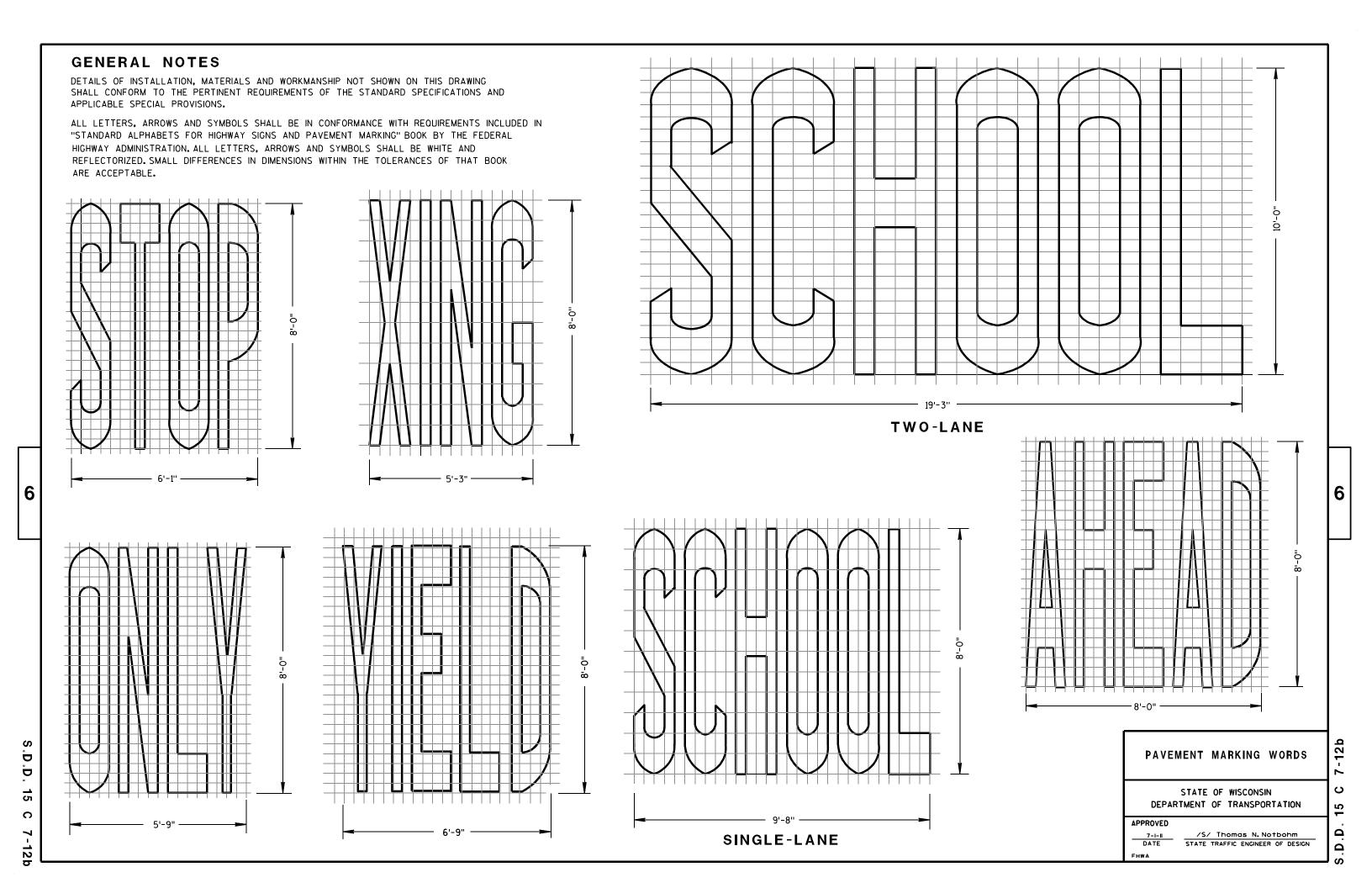
D $\boldsymbol{\varpi}$ 45

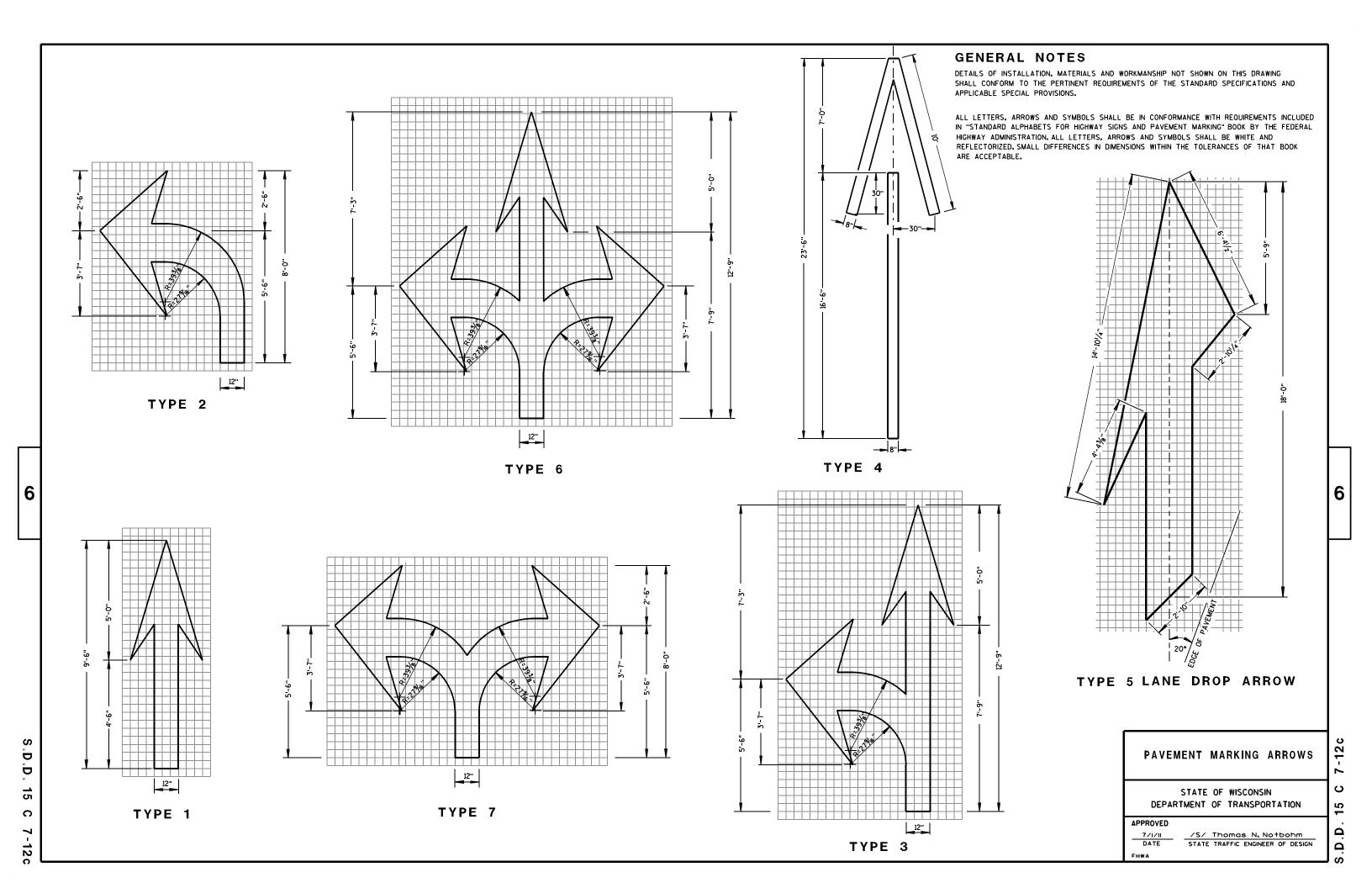






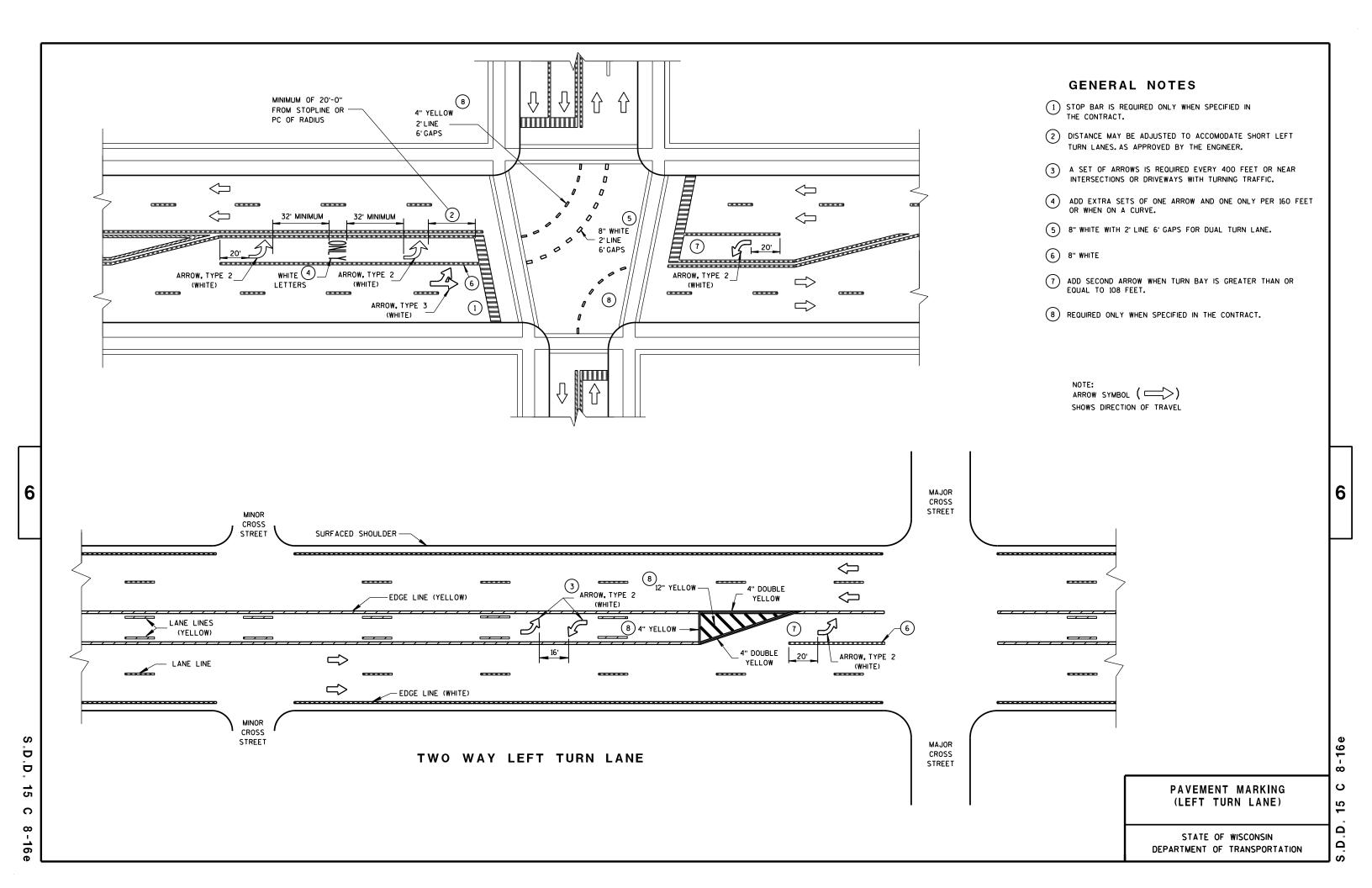


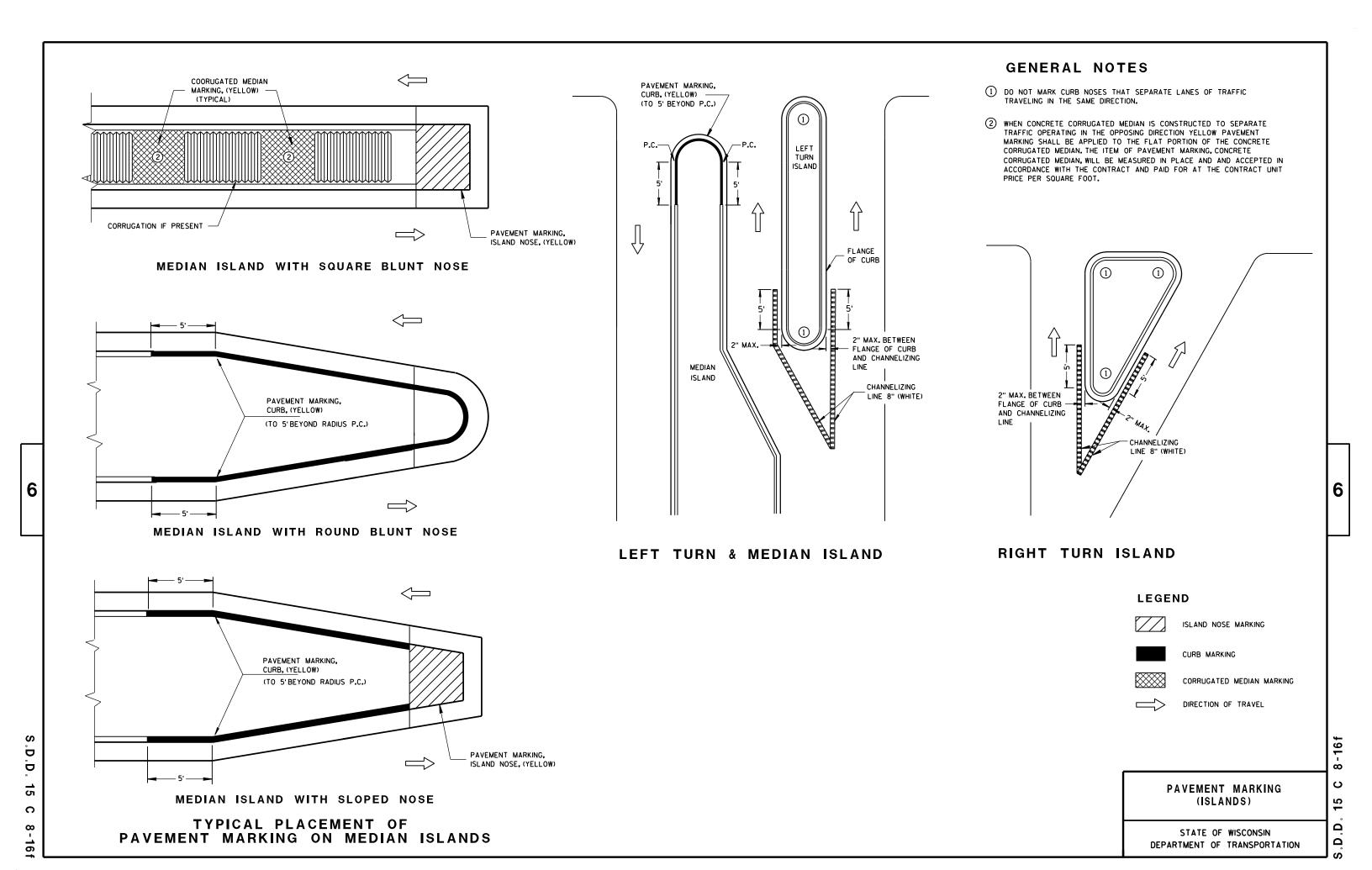




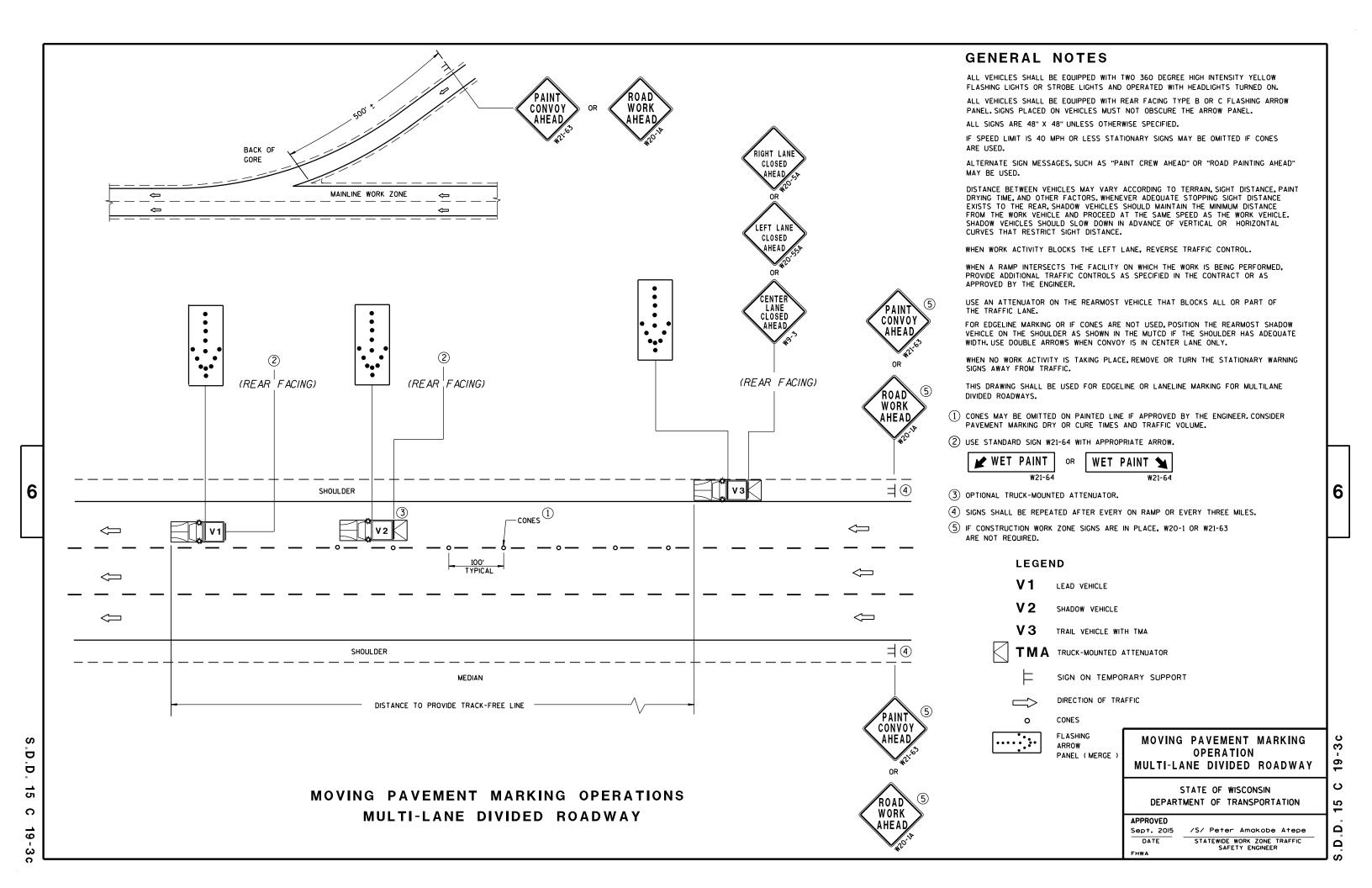


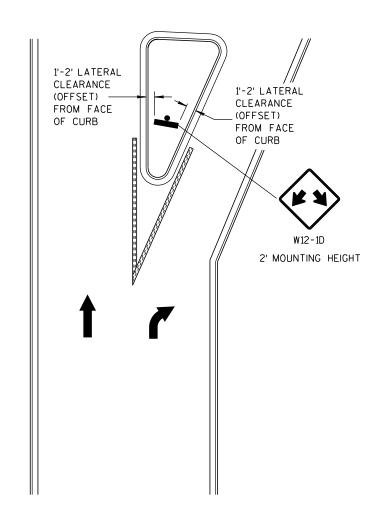




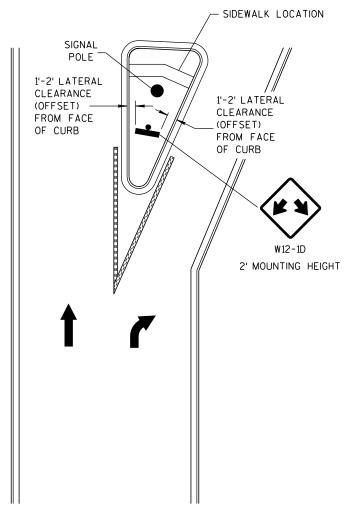




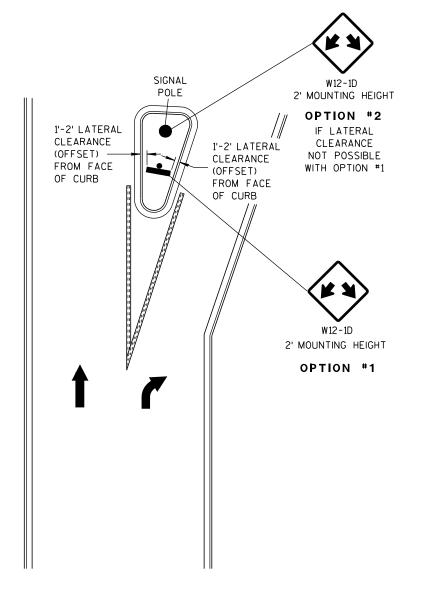




LARGE RIGHT TURN ISLAND



LARGE RIGHT TURN ISLAND WITH SIGNAL POLE



SMALL RIGHT TURN ISLAND

DOUBLE ARROW WARNING SIGN PLACEMENT

DOUBLE ARROW WARNING SIGN PLACEMENT

27

ပ

Ω

Ω

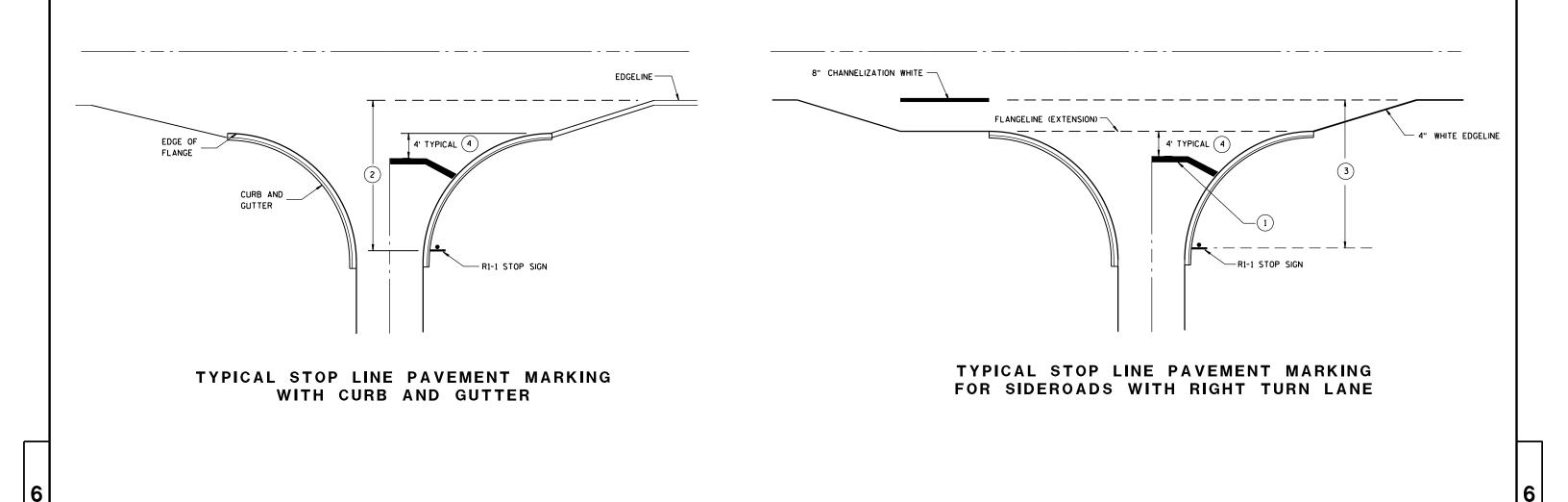
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

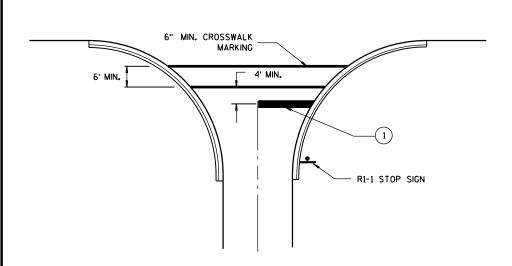
APPROVED

/S/ Thomas N. Notbohm STATE TRAFFIC ENGINEER OF DESIGN 10-22-08

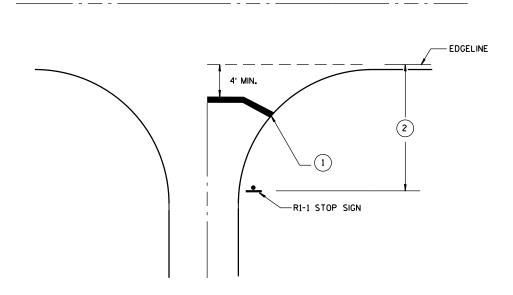
Ū b C

6





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

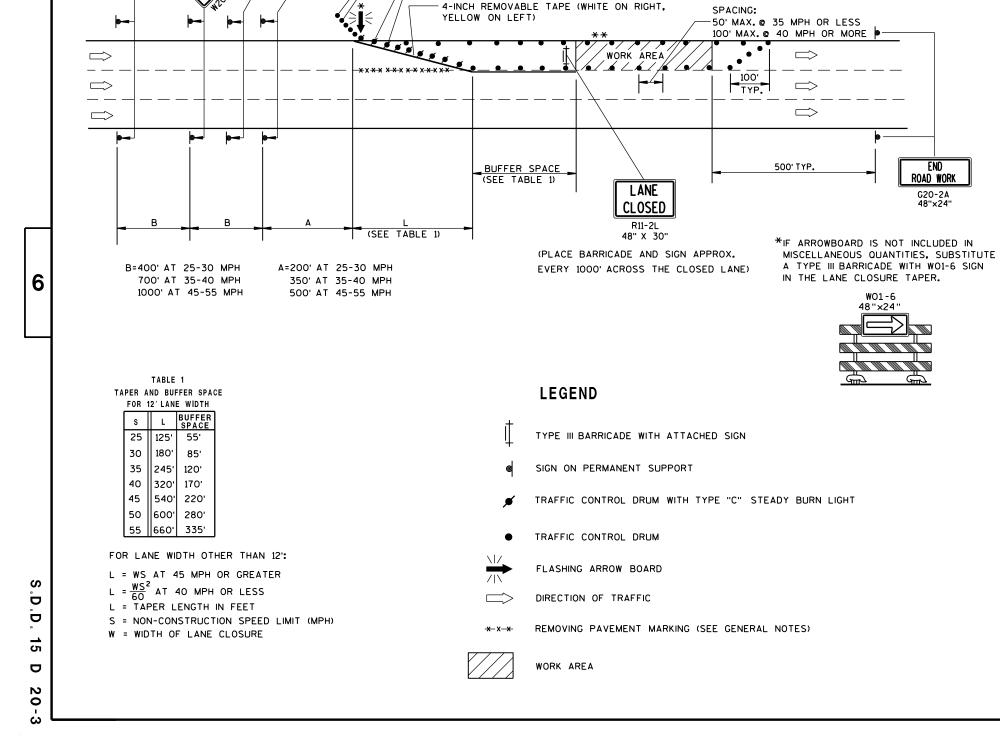
S.D.D.

33

GENERAL NOTES LEGEND THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. 4 OR MORE DAYS AND NIGHTS. TYPE III BARRICADE WITH ATTACHED SIGN THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING OPERATION. SIGN ON PERMENENT SUPPORT IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET. LEFT LANE. TRAFFIC CONTROL DRUM ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST FLASHING ARROW BOARD "WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE. MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" TYPE "A" WARNING LIGHT (FLASHING) THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS. * X -X REMOVING PAVEMENT MARKING CROSSOVER MANEUVER. CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS * THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL. DIRECTION OF TRAFFIC 1500 FEET IN FRONT OF DRUMS. FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS. THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS. 6 6 WORK CLOSED CLOSED I MILE 1500 F XX м.Р.н 36"×36' IF NEEDED. USE ONLY TYPE III BARRICADE IF DESIGN SPEED IS TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE SPACED EVERY 1/4 MILE. 10 MPH BELOW 4-INCH EDGELINE (WHITE ON RIGHT, YELLOW ON LEFT) POSTED SPEED. 100' \Rightarrow \Rightarrow \Rightarrow WORK AREA 50' 350' 500' MIN. - 800' DESIRABLE 575 TAPER 500 50 MPH - 600' 55 MPH - 660' 2600' 1600' 1000' 65 MPH - 780' TRAFFIC CONTROL, 2 D LANE CLOSURE 5 DRUMS SPACED @ 10' INTERVALS AS 2 Ö NEEDED IN FRONT OF ARROW BOARD 15 Δ STATE OF WISCONSIN ADVANCED WARNING AREA TRANSITION AREA **BUFFER SPACE** DEPARTMENT OF TRANSPORTATION D **APPROVED** /S/ Travis Feltes N Feb. 2015 STATE TRAFFIC ENGINEER OF DESIGN Ω FHWA

GENERAL NOTES LEGEND THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. 4 OR MORE DAYS AND NIGHTS. TYPE III BARRICADE WITH ATTACHED SIGN THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING OPERATION. SIGN ON PERMENENT SUPPORT SIGNS. IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING DELINEATION. THE DEVICE SPACING MAY BE DECREASED TO 50 FEET. LEFT LANE. TRAFFIC CONTROL DRUM ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST FLASHING ARROW BOARD "WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE. MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" TYPE "A" WARNING LIGHT (FLASHING) THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS. * X -X REMOVING PAVEMENT MARKING CROSSOVER MANEUVER. CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS * THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL. DIRECTION OF TRAFFIC 1500 FEET IN FRONT OF DRUMS. ** A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS. ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS. SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES. INCLUDE A 65 MPH RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIREABLE) BEYOND THE "END OF ROADWORK" SIGN. ĽІМІТ 55 R2-1 48"×60" (BLACK AND 6 6 RICHT LAN WHITE) WORK CLOSED CLOSED I MILE 1500 F XX M.P.H 36"×36" IF NEEDED. USE ONLY TYPE III BARRICADE IF DESIGN SPEED IS TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE SPACED EVERY 1/4 MILE. 10 MPH BELOW 4-INCH EDGELINE (WHITE ON RIGHT, YELLOW ON LEFT) POSTED SPEED. 100' \Rightarrow \Rightarrow WORK AREA 50' TYP. 500' 350' 500' MIN. - 800' DESIRABLE 500 575 MIN. MIN. TAPER 500 55 MPH - 660' 2600' 1600' 1000' S TRAFFIC CONTROL, LANE D CLOSURE, SPEED REDUCTION 2 5 DRUMS SPACED @ 10' INTERVALS AS D NEEDED IN FRONT OF ARROW BOARD STATE OF WISCONSIN S ADVANCED WARNING AREA TRANSITION AREA **BUFFER SPACE** DEPARTMENT OF TRANSPORTATION 2 D **APPROVED** Δ F<u>e</u>b. 2015 /S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN Δ FHWA





(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.

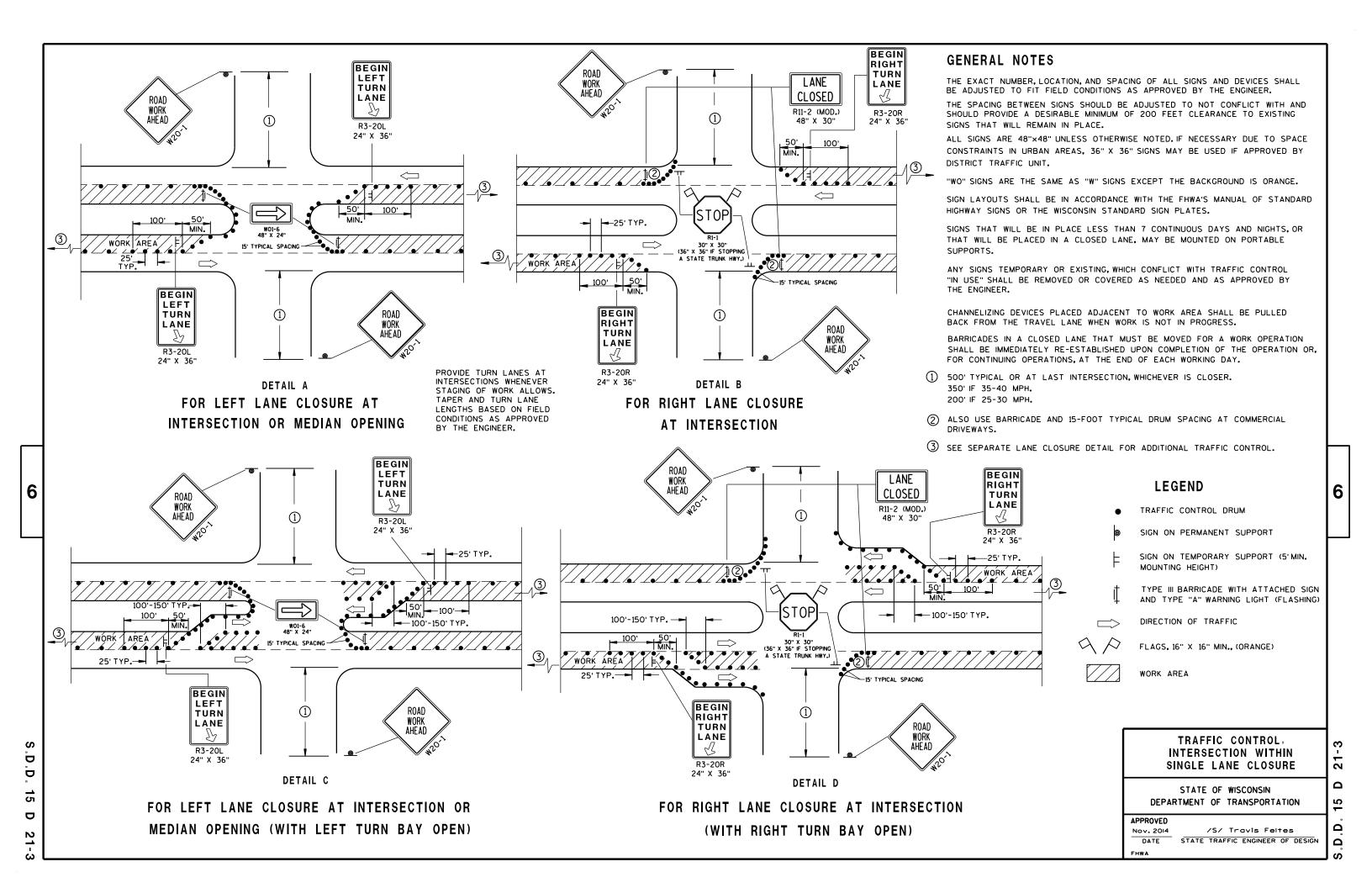
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

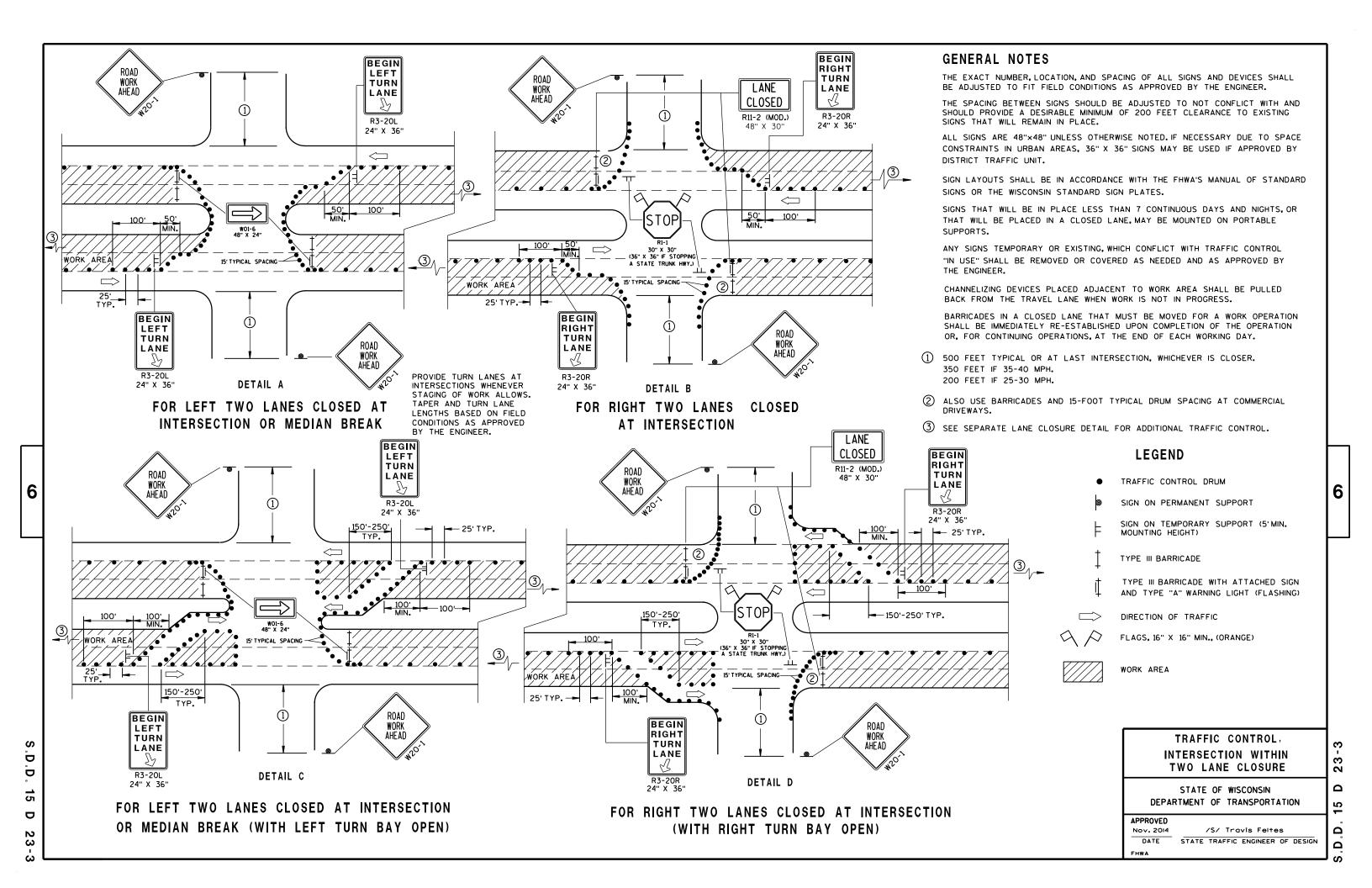
TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

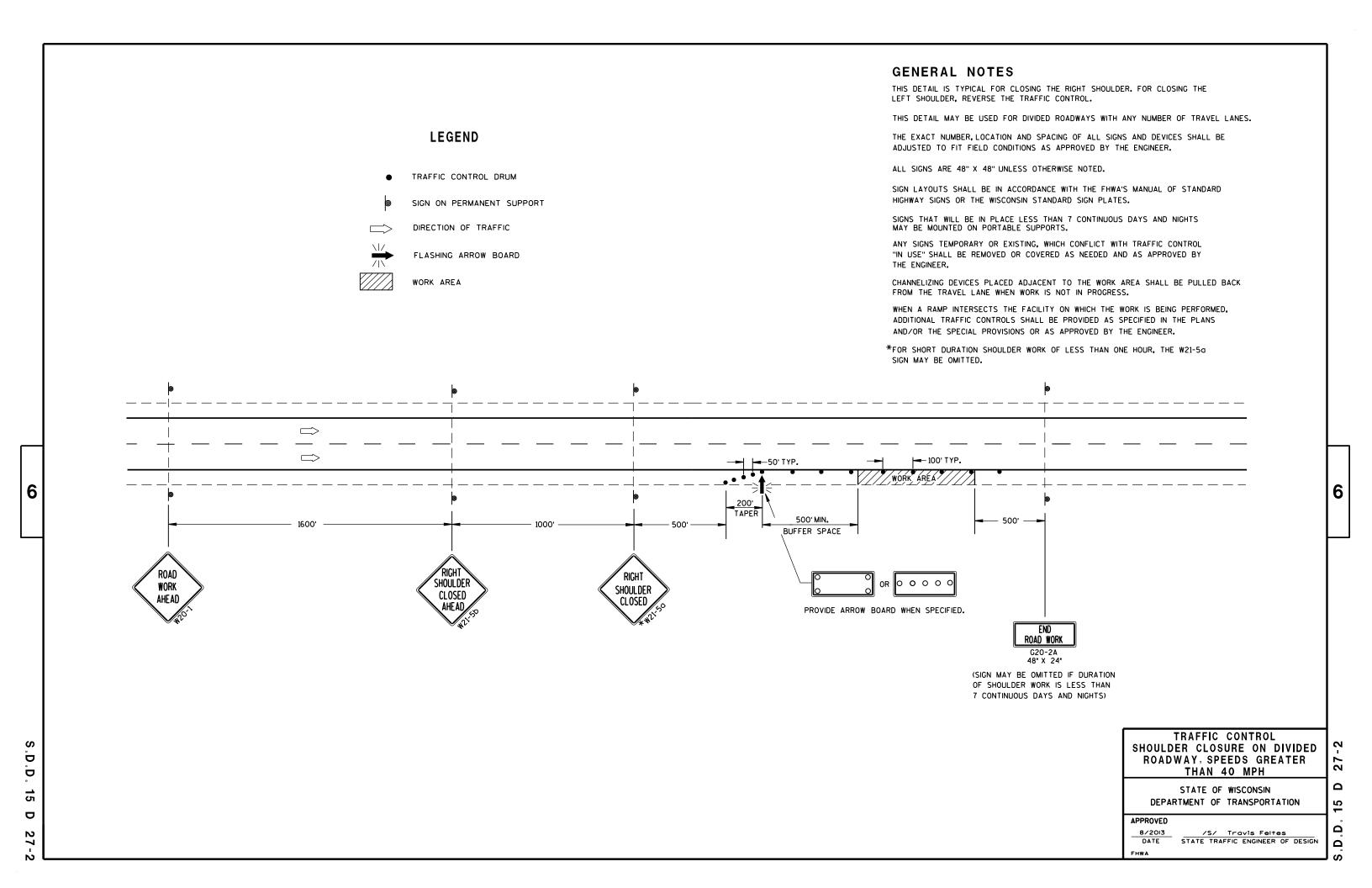
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

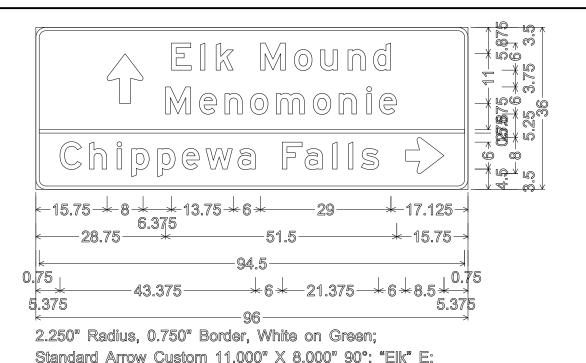
APPROVED
Feb. 2015
DATE
STATE TRAFFIC ENGINEER OF DESIGN

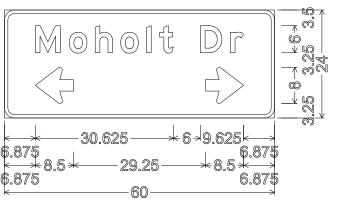
S.D.D. 15 D 2





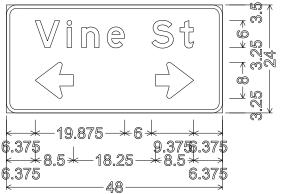






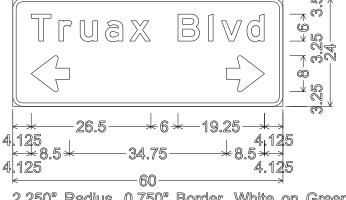
2.250" Radius, 0.750" Border, White on Green; "Moholt" E; "Dr" E; Standard Arrow Custom 8.500" X 8.000" 180°;

Standard Arrow Custom 8.500" X 8.000" 0°;



2.250" Radius, 0.750" Border, White on Green; "Vine" E: "St" E:

Standard Arrow Custom 8.500" X 8.000" 180°; Standard Arrow Custom 8.500" X 8.000" 0°;

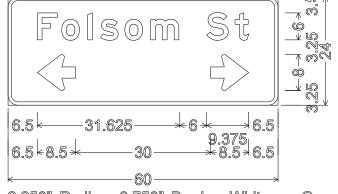


"Mound" E; "Menomonie" E; "Chippewa" E; "Falls" E;

Standard Arrow Custom 8.500" X 8.000" 0°;

2.250" Radius, 0.750" Border, White on Green; "Truax" E; "Blvd" E;

Standard Arrow Custom 8.500" X 8.000" 180°; Standard Arrow Custom 8.500" X 8.000" 0°;



2.250" Radius, 0.750" Border, White on Green; "Folsom" E: "St" E:

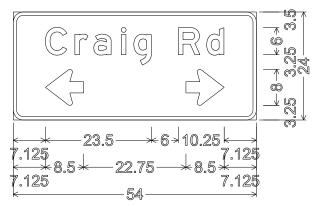
Standard Arrow Custom 8.500" X 8.000" 180°; Standard Arrow Custom 8.500" X 8.000" 0°:

NOTES

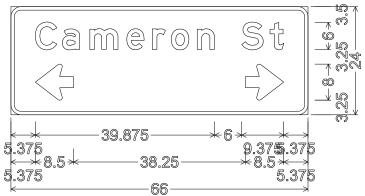
- 1. All Signs Type II Type H Reflective
- 2. Color:

Background - GREEN Message - WHITE

3. Message Series - E



2.250" Radius, 0.750" Border, White on Green; "Craig" E; "Rd" E;
Standard Arrow Custom 8.500" X 8.000" 180°;
Standard Arrow Custom 8.500" X 8.000" 0°;



2.250" Radius, 0.750" Border, White on Green; "Cameron" E; "St" E;
Standard Arrow Custom 8.500" X 8.000" 180°;
Standard Arrow Custom 8.500" X 8.000" 0°;

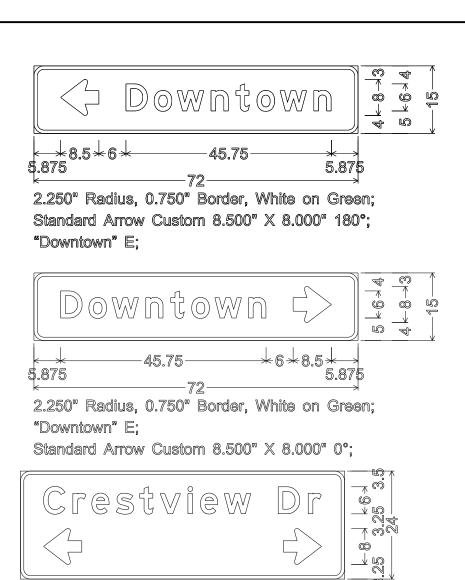
Ε

SHEET NO:

PROJECT NO: 7090-01-61 HWY: USH 12 COUNTY: EAU CLAIRE PERMANENT SIGNING

FILE NAME:...\40-TransHwy\6181A115.dgn

PLOT DATE: 4/12/2016 PLOT BY: SEH PLOT NAME: PLOT SCALE: N/A WISDOT/CADDS SHEET 42



£6 19.625k

5.125

46.125

2.250" Radius, 0.750" Border, White on Green;

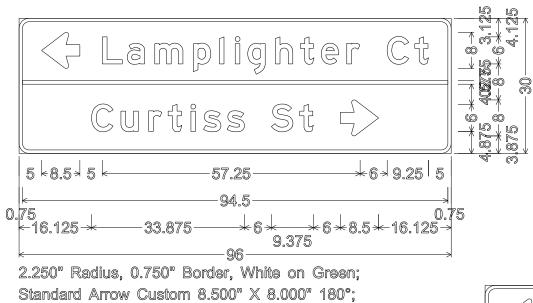
Standard Arrow Custom 8.500" X 8.000" 180°;

Standard Arrow Custom 8.500" X 8.000" 0°;

5.125 *** 8.5 *

"Crestview" E; "Dr" E;

5.125



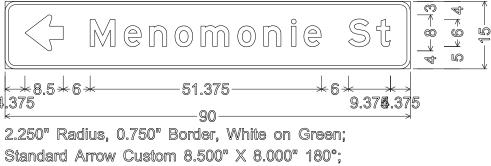


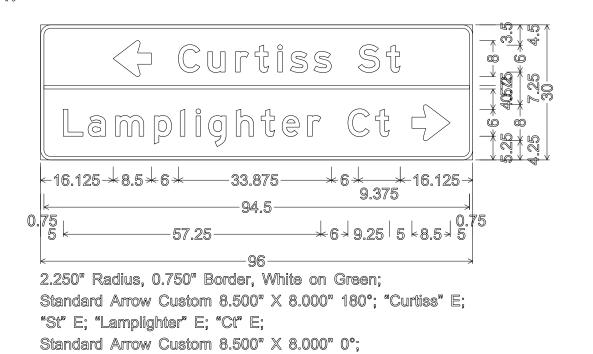
- 1. All Signs Type II Type H Reflective
- 2. Color:

"Menomonie" E; "St" E;

Background - GREEN Message - WHITE

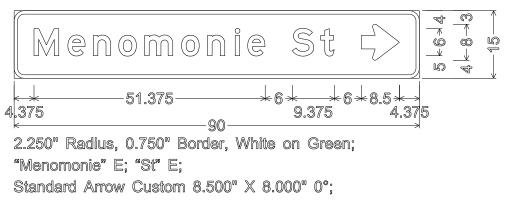
3. Message Series - E





"Lamplighter" E; "Ct" E; "Curtiss" E; "St" E;

Standard Arrow Custom 8.500" X 8.000" 0°:



PROJECT NO: 7090-01-61 HWY: USH 12 COUNTY: EAU CLAIRE PERMANENT SIGNING SHEET NO:

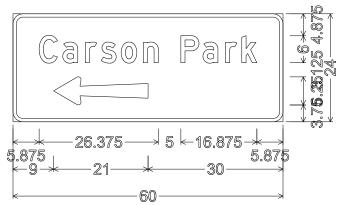
FILE NAME:...\40-TransHwy\6181A115.dgn

PLOT DATE: 4/12/2016 PLOT BY: SEH PLOT NAME: PLOT SCALE: N/A WISDOT/CADDS SHEET 42

| 7

Ε



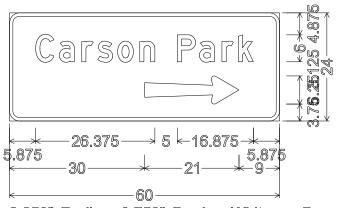


2.250" Radius, 0.750" Border, White on Brown;

"Carson" D 88% spacing;

"Park" D 88% spacing;

Standard Arrow Custom 21,000" X 6,250" 0° White:

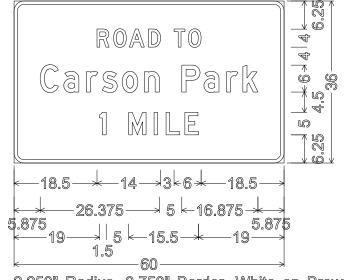


2.250" Radius, 0.750" Border, White on Brown;

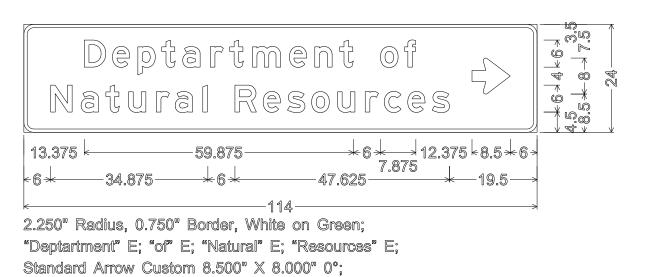
"Carson" D 88% spacing;

"Park" D 88% spacing;

Standard Arrow Custom 21.000" X 6.250" 0° White:



2.250" Radius, 0.750" Border, White on Brown; "ROAD" D; "TO" D; "Carson" D 88% spacing; "Park" D 88% spacing; "1" E; "MILE" D:

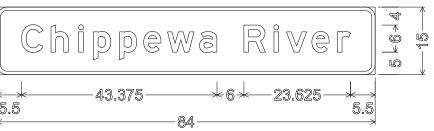


NOTES

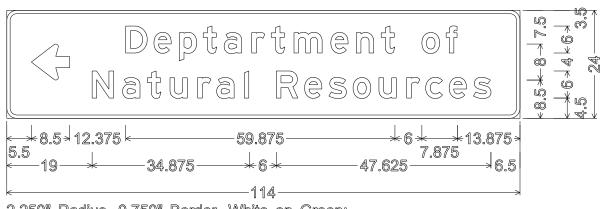
- 1. All Signs Type II Type H Reflective
- 2. Color:

Background - GREEN except Park signs are Brown Message - WHITE

3. Message Series - E



2.250" Radius, 0.750" Border, White on Green; "Chippewa" E; "River" E;



2.250" Radius, 0.750" Border, White on Green; Standard Arrow Custom 8.500" X 8.000" 180°; "Deptartment" E; "of" E; "Natural" E; "Resources" E;

SHEET NO:

HWY: USH 12

COUNTY: EAU CLAIRE

PERMANENT SIGNING

PLOT NAME :

Ε

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard

areater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



PROJECT NO:

J32-1

J22-1

J23-1

J33-1

PLOT BY: mscsja

PLATE NO. __A2-15.8

DATE 2/06/14

SHEET NO:

URBAN ARFA



RURAL AREA (See Note 2)



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



5'-3"(生) D^{-1} Outside Edae of Gravel

White Edgeline Location

** 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 : mscj9h

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 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

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 7/23/15

PLATE NO. <u>A4-3.20</u>

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

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:21

COUNTY:

PLOT NAME :

PLOT SCALE: 99.237937:1.000000

WISDOT/CADDS SHEET 42



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42

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'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. Minimum mounting height for J assemblies (A2-1S) is 7'-3'' (±) or 6'-3'' (±) per urban or rural detail respectively.
- 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" (±) 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.
- *** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

URBAN AREA RURAL AREA (See Note 3) 2'Min - 4'Max (See Note 6) ₩E# FF# 6'-3"(±) 6'-3"(±) 7'-3"(±) ** Curb ********\ Flowline D **7000** White Edgeline D 11 White Edgeline, Location Outside Edae Location

2'Min - 4'Max (See Note 6) 6'-3"(±) Curb Flowline. - 11

48" DIAMOND WARNING SIGN

HWY:

_ 26" 5 ' - 3 "(±) White Edgeline Location Outside Edge of Gravel 48" DIAMOND WARNING SIGN

COUNTY:

Outside Edge

of Gravel

	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRE)		
	L	E	
* * *	Greater than 48" Less than 60"	12"	
	60" to 120"	L/5	l

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)								
L	E							
Greater than 120" less than 168"	12"							

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)									
L	E								
168" and greater	12"								

POST EMBEDMENT DEPTH

of Gravel

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

Matther

SHEET NO:

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

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:23

PLOT SCALE: 107.021305:1.000000

WISDOT/CADDS SHEET 42

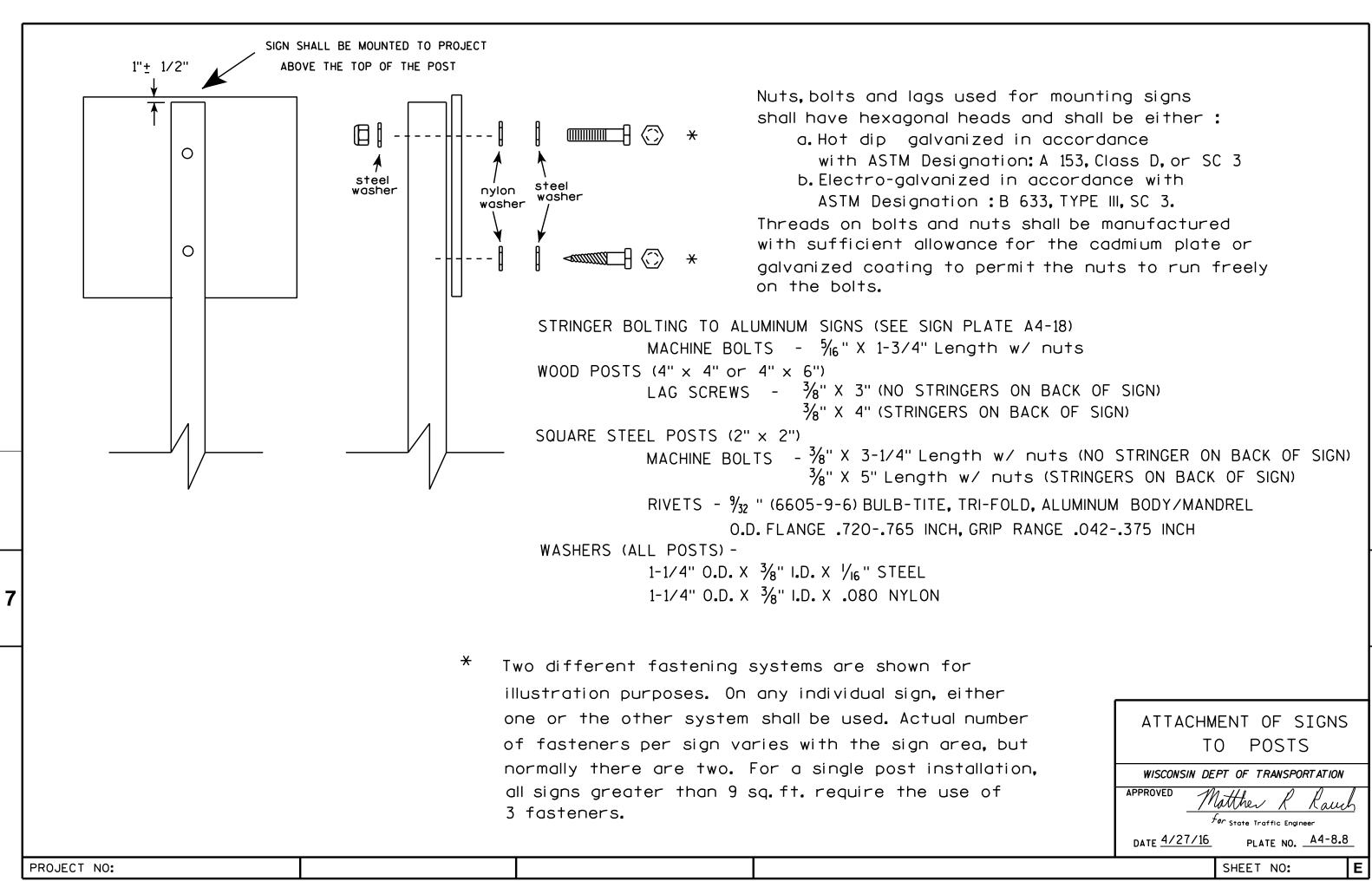
PLOT NAME :

PLOT BY: mscj9h

WISCONSIN DEPT OF TRANSPORTATION APPROVED

For State Traffic Engineer

PLATE NO. 44-4.14 DATE 7/23/15





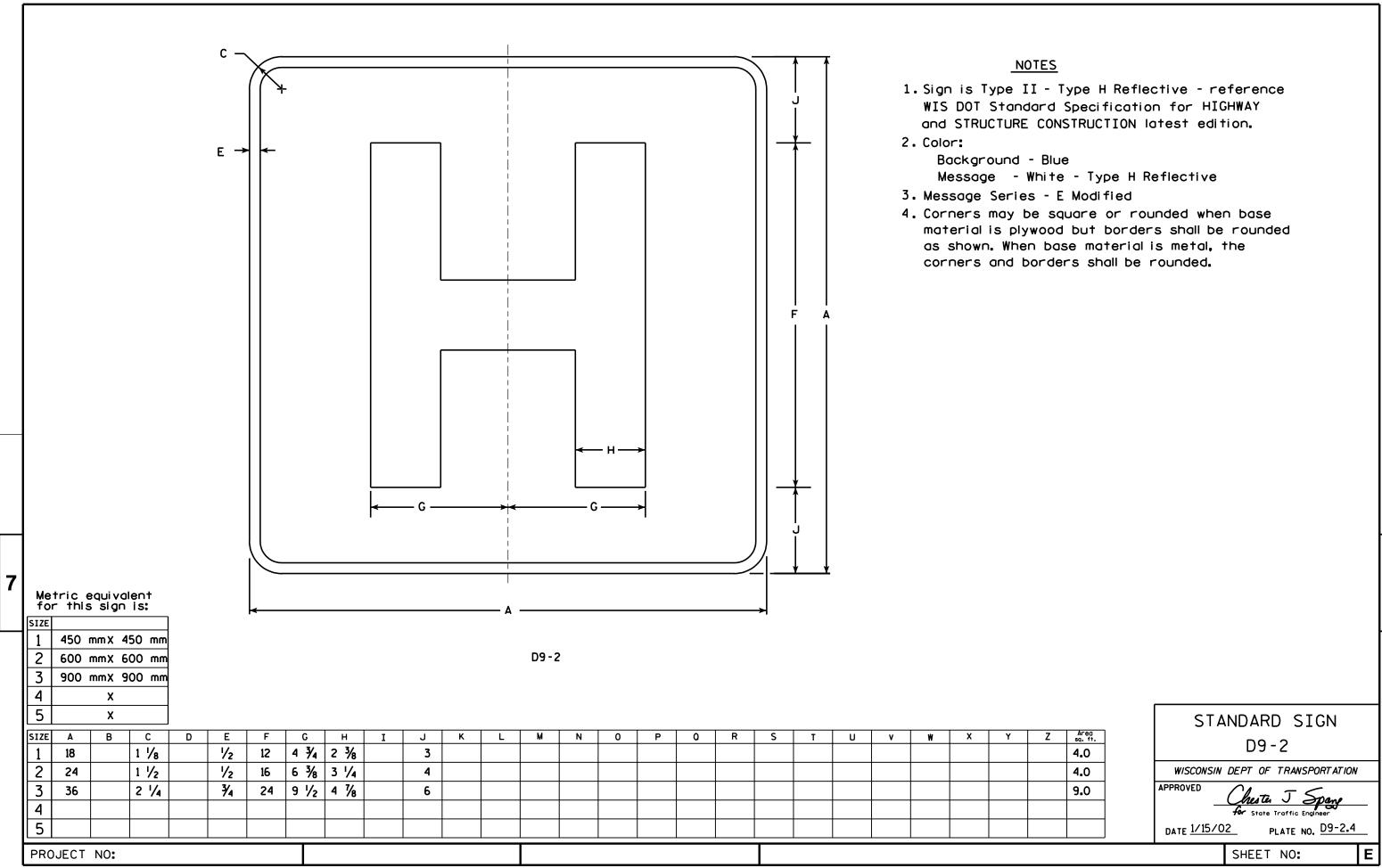
PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

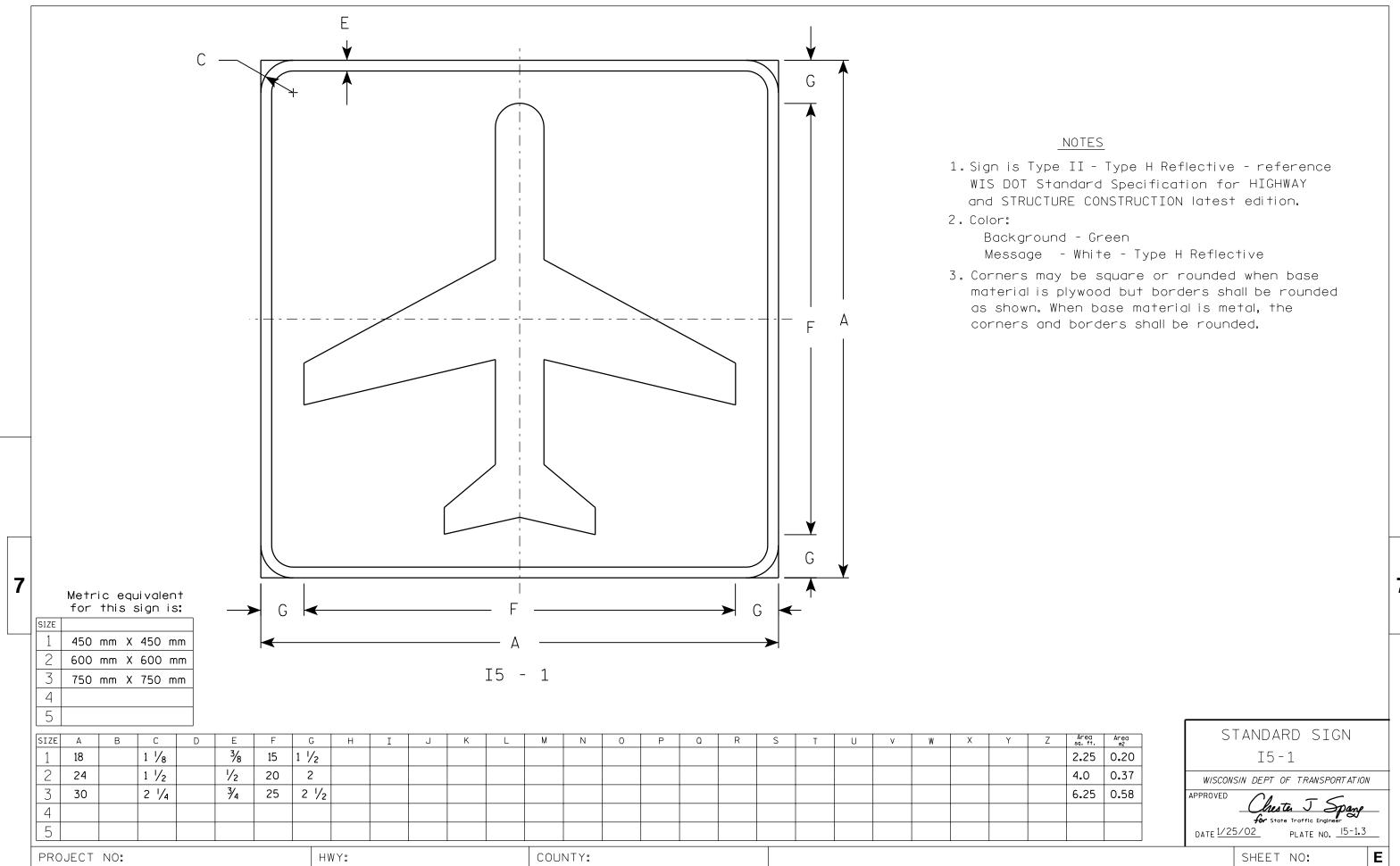
DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer







FILE NAME : C:\Users\Projects\tr_stdplate\I51.DGN

PLOT DATE : 13-OCT-2005 11:47 PLOT BY : DITJPH PLOT NAME : WISDOT/CADDS SHEET 42

E → SPONSOR A F Y G Z F Z AF XA

HWY:

Background Colors of Symbol*

₽ 4

* VARIES

White Black Green Orange

 * $\!\!\!/_4$ " Black Border between each color of rainbow and border of rainbow

I 2 36 | 1 1/2 | 1/2 5/8 3 1/2 2 7/8 | 2 1/8 | 11 1/4 | 11 1/8 | 9 3/8 | 1 1/4 3/4 12 % 7 1/2 30 7.5 3 4 5

COUNTY:

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 5)

- 3. Message Series (See Note 6)
- 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. Border Blue

Line 1 - Red

Line 2 - Black

Line 3-5 - Blue

6. Line 1 - Dutch 8011L

Line 2 - Series E

Line 3-5 - Series C

7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

> STANDARD SIGN I55-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED for State Traffic Engineer

DATE 4/27/11 PLATE NO. 155-56.3

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\I5556.DGN

PROJECT NO:

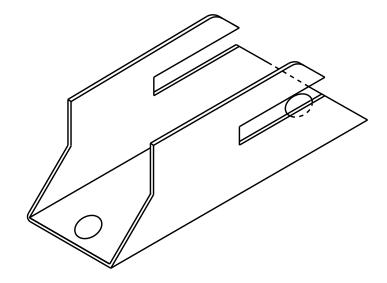
PLOT DATE: 27-APR-2011 10:05

PLOT BY: mscj9h

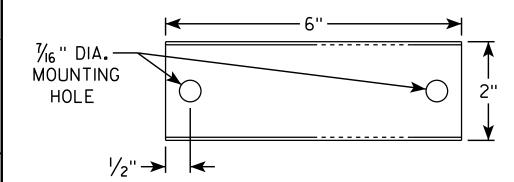
PLOT NAME :

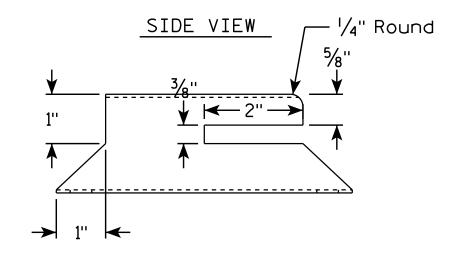
PLOT SCALE: 7.945391:1.000000

ISOMETRIC VIEW



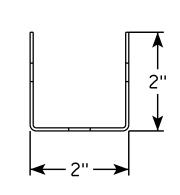
TOP VIEW





HWY:

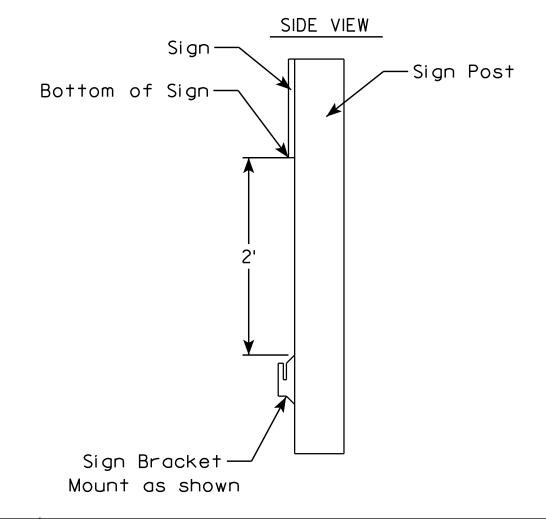
END VIEW



COUNTY:

NOTES

- Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
- 2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
- 3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
- 4. Shall have rounded edges with at least $\frac{1}{8}$ " radii.
- 5. Shall not have unrounded and uncoated metaledges which can contact the back surface of the roll-up sign.
- 6. Top of bracket shall be mounted 2' below the bottom of the 155-56 sign.
- 7. Cost of bracket and fastening hardware shall be incidental to the 155-56 sign.



SHEET NO:

PROJECT NO:

PLOT BY : mscj9h

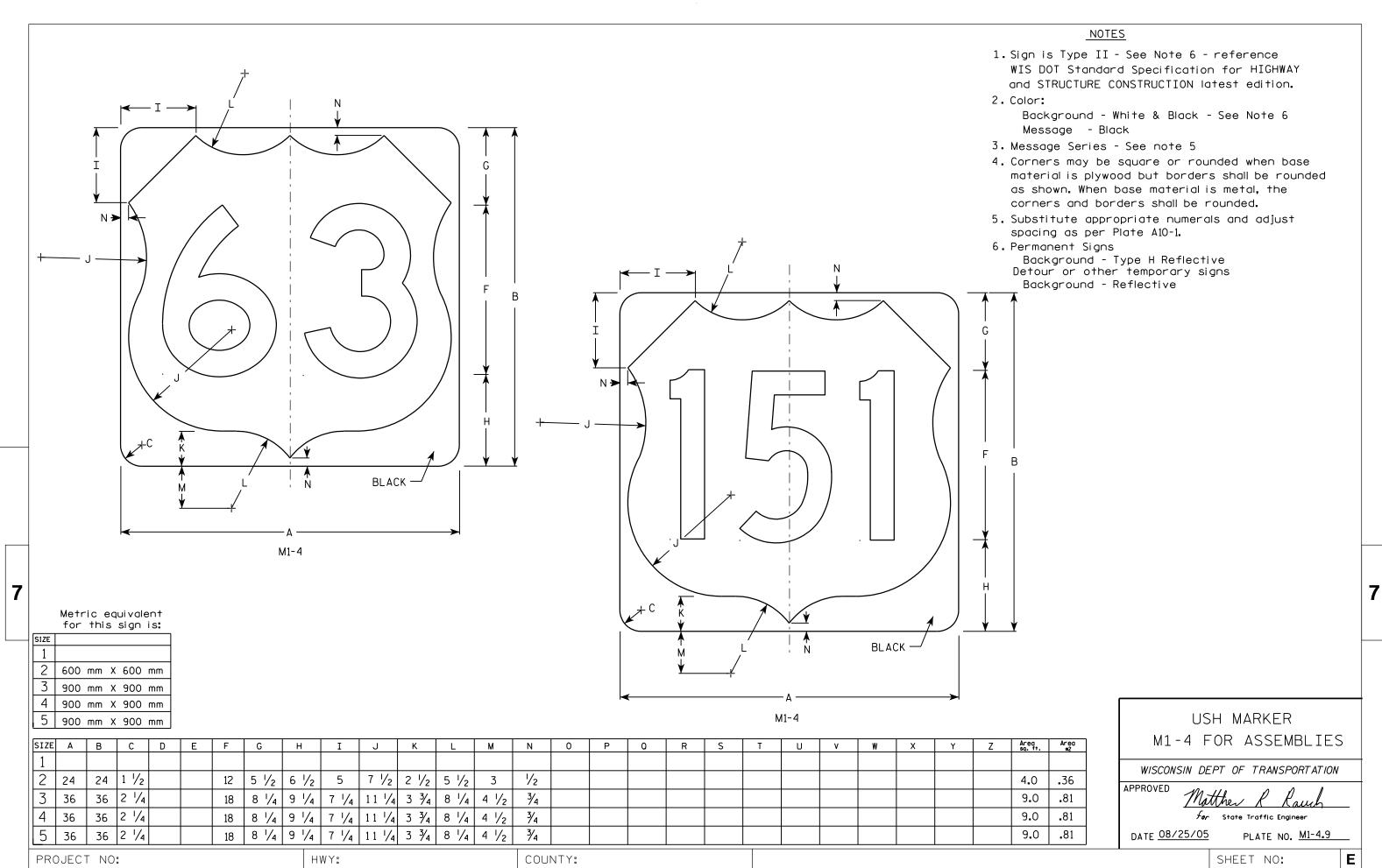
DATE 4/26/16

PLATE NO.155-56B.2

ROLLUP SIGN BRACKET

155-56B

WISCONSIN DEPT OF TRANSPORTATION



FILE NAME : C:\Users\Projects\tr_stdplate\M14.DGN

PLOT DATE: 13-OCT-2005 14:52

PLOT NAME :

PLOT BY : DITJPH

PLOT SCALE: 5.960833:1.000000

NOTES

- Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

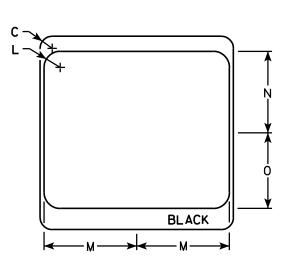
Background - White & Black - See Note 7 Message - Black

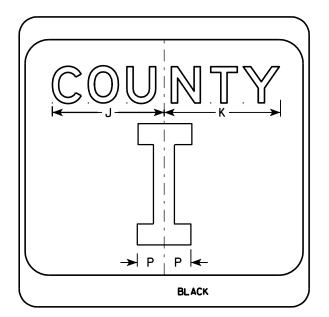
- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter.

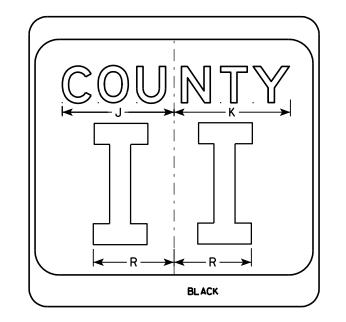
 Message Series D for 2 letters unless
 message is too big then Series C.

 Message Series C for 3 letters unless
 message is too big then Series B.
- 6. Substitute appropriate letters & optically center to achieve proper balance.
- 7. Permanent Signs

Background - Type H Reflective Detour or temporary Signs Background - Reflective







PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 %									4.0
3	36		2 1/4			16	4	7 5/8	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
DDA	JECT	NO.					Ты	VY:					COUN	ITV.													
FRU	JECI	NO.						V I .					COON														

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PROVED

Matthew Rauch

Forstate Traffic Engineer

MATE 9/27/11 PLATE NO. M1-5A.8

DATE 9/27/11

SHEET NO:

BLACK

M1-5A

- 1. Sign is Type II See Note 6 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White & Black - See Note 6 Message - Black

- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
- 6. Permanent Signs
 Background Type H Reflective
 Detour or temporary Signs
 Background Reflective

BLACK	↑ G → ↑ F → → ↑ → → → → → → → → → →
Metric equivalent for this sign is:	

HWY:

900 mm X 900 mm

5 900 mm X 900 mm

PROJECT NO:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 %	11 1/2	1	1 1/8	11 1/4	21 1/8											4.0	. 36
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 1/8	16 1/8	33											9.0	. 81
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 1/8	16 1/8	33											9.0	.81
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 1/8	16 1/8	33											9.0	.81
ט ן	26		2 /4			10	0 74	J /4	12 78	3 78	12 78	11 /8	1 /2	² /8	10 /8	33		<u> </u>										9.0

COUNTY:

STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

The state Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

SHEET NO:

PLOT NAME :

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

Background - See note 5 Message - See note 5

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M2-1 Background White

Message - Black

MB2-1 Background - Blue

Message - White

MK2-1 Background - Green

Message - White

MM2-1 Background - White

Message - Green

MN2-1 Background - Brown

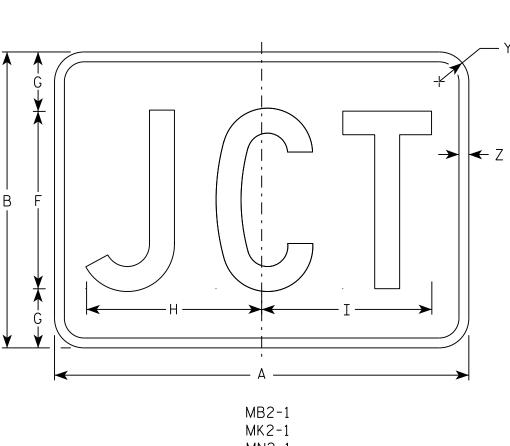
Message - White

MP2-1 Background - White

Message - Blue

MR2-1 Background - Brown

Message - Yellow



MN2-1

MR2-1

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	J	V	W	Х	Υ	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 1/8	8 %																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40

COUNTY:

В

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rauch f_{or} State Traffic Engineer

DATE 10/15/15

PLATE NO. M2-1.12 Ε

SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdplote\M21 DGN

PROJECT NO:

M2-1

HWY:

MM2-1

MP2-1

PLOT DATE . 01-DEC-2015 17:54

PLOT BY . \$\$ Diotuser \$\$ PLOT NAME :

PLOT SCALE • 4 864603•1 000000







MP3-1









HWY:



NOTES

- 1. All Signs Type II Type H
- 2. Color:

Background - See note 5 Message - See note 5

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

5. M3-1 thru M3-4 Background - White Message - Black

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

MP3-1 thru MP3-4 Background - White

Message - Blue

6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 1/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 **SERIES**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 10/15/15 PLATE NO. M3-1.14

Ε

SHEET NO:

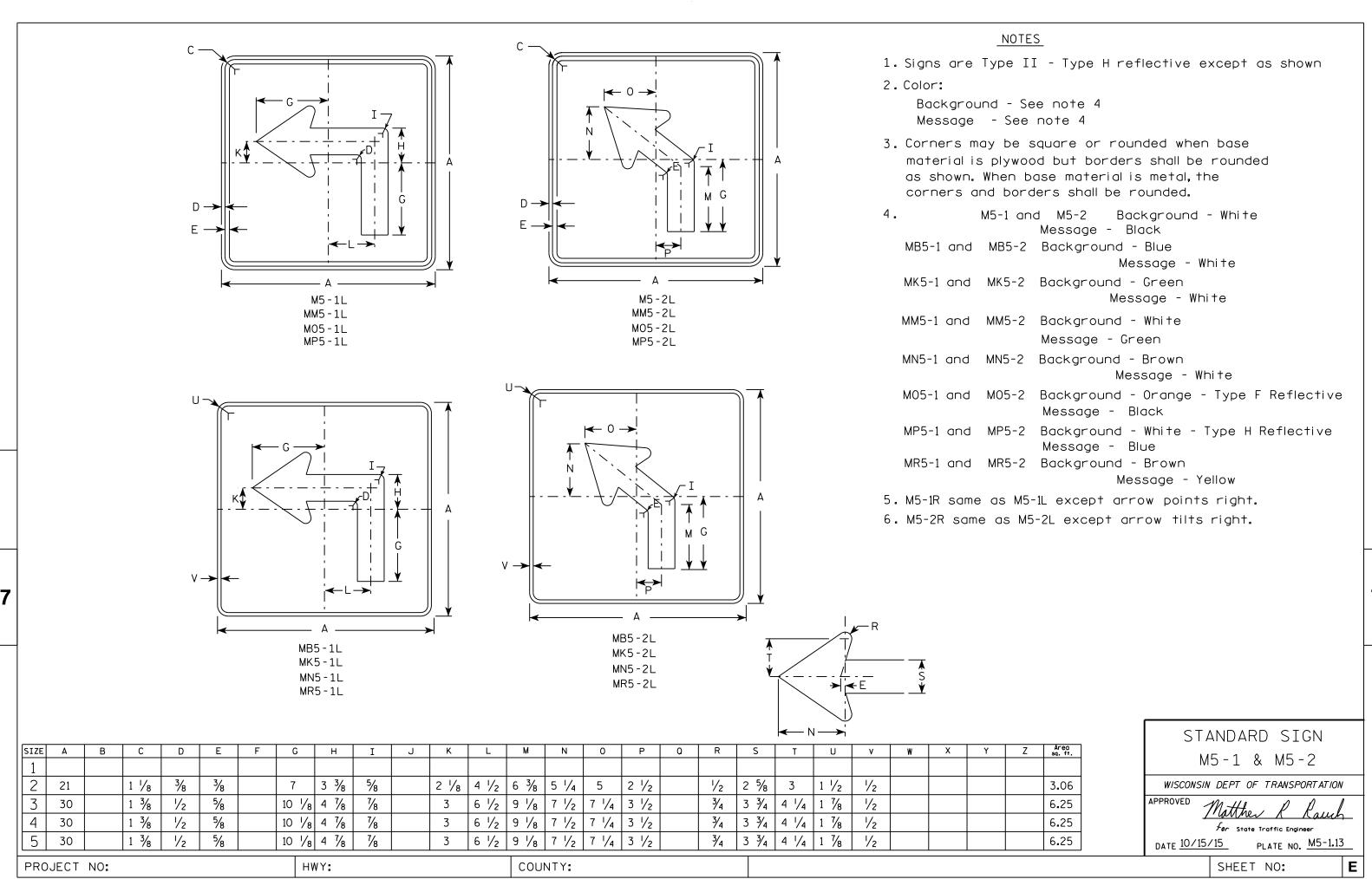
FILE NAME · C·\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

PLOT RY . \$\$ plotuser \$\$ PLOT NAME :

PLOT SCALE . 11 675051.1 000000



FILE NAME . C.\CAFfiles\Projects\tr stdolote\M51 DCN

PLOT DATE . 01-DEC-2015 18:07

PINT RY . \$\$ DIOTUSET \$\$ PINT NAMF :

PLOT SCALE . 11 675051.1 000000







MR6-1

HWY:



NOTES

- 1. Signs are Type II Type H except as Shown
- 2. Color:

Background - See note 4 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. M6-1 and M6-2 Background White

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

M06-1 and M06-2 Background - Orange - Type F Reflective

Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	٥	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1 1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 %	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rawl For State Traffic Engineer

Ε

DATE 10/15/15 PLATE NO. M6-1.15

SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdplote\M61 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:57

PIOT RY . \$\$ plotuser \$\$ PIOT NAMF :

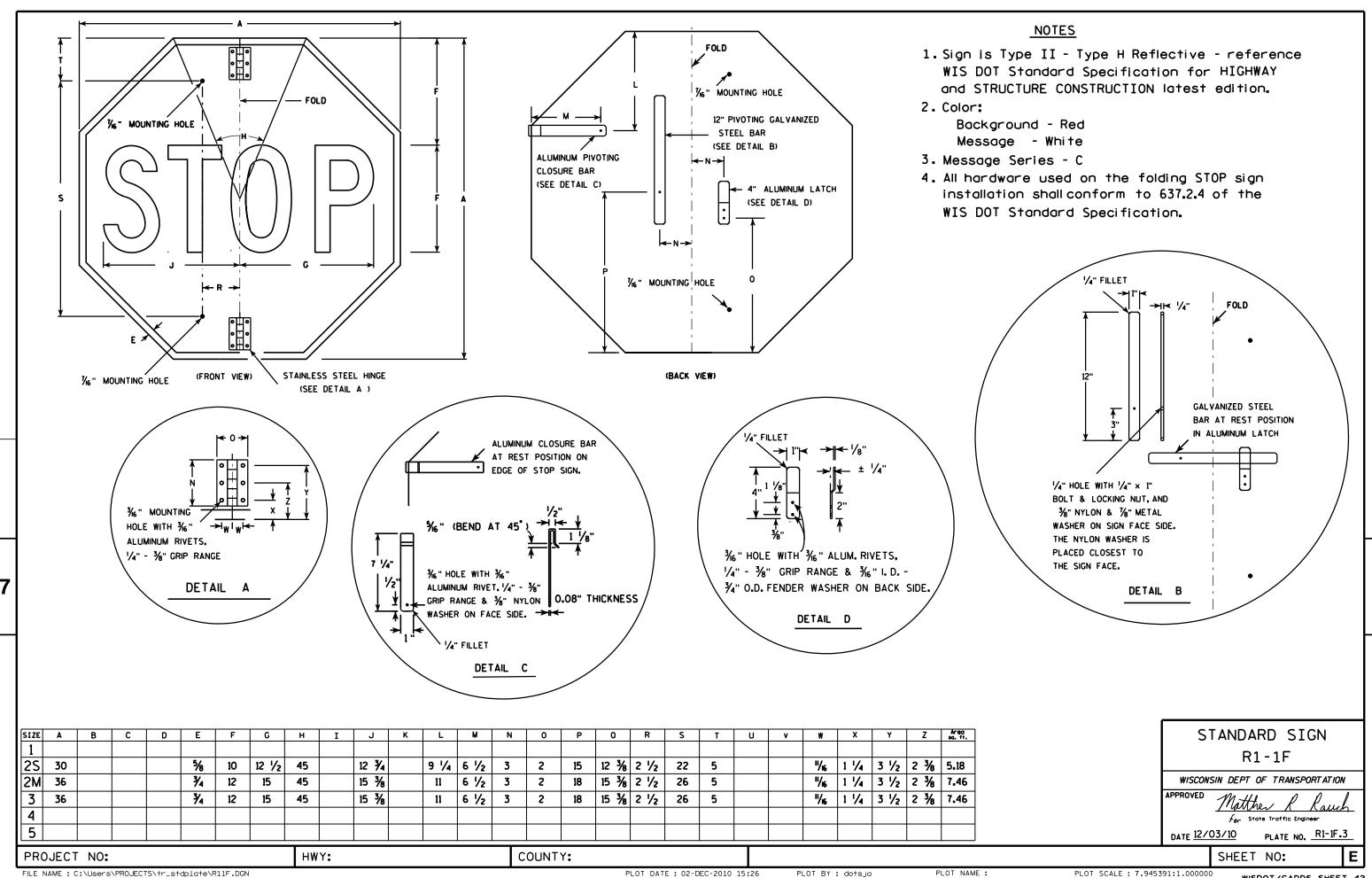
PLOT SCALE . 11 675051.1 000000

NOTES 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. 2. Color: Background - Red Message - White 3. Message Series - C R1-1 SIZE A STANDARD SIGN 30 5/8 10 12 1/2 45° 12 3/4 5.18 2S 30 5/8 12 1/2 45° 12 3/4 10 5.18 R1-1 2M 36 3/4 12 15 45° 15 % 7.46 3/4 15 3/8 12 45° 36 15 7.46 WISCONSIN DEPT OF TRANSPORTATION 45° 20 1/2 48 16 20 13.25 APPROVED Matthew & Kauch 5 48 16 20 45° 20 1/2 13.25 3/8 7 3/4 45° 7 3/4 1.86 18 6 For State Traffic Engineer 12 1/4 4 45° 5 1/8 0.78 DATE <u>11/12/15</u> PLATE NO. _____R1-1.13 COUNTY: SHEET NO: PROJECT NO: HWY: PLOT SCALE • 4 378143•1 000000

FILE NAME · C·\CAFfiles\Projects\tr stdplote\R11 DGN

PLOT DATE . 01-DEC-2015 18:07

PINT RY . \$\$ plotuser \$\$ PINT NAMF :



- 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 5

3. Message Series - C

PLOT NAME :

- 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. The border strip and word message are reflectorized red.

A	
	G
	\\ \ F \\ \ \ \
E	 B
D D	
R1-2	

SIZE	Α	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7 ⁄8	4	3 %																	2.71
25	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 %																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 %																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 %																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 1/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 1/8	5/8	2 3/8	2 1/4																	0.97

COUNTY:

STANDARD SIGN R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rauch

 f_{or} State Traffic Engineer

3/14 PLATE NO. R1-2.12

DATE 10/13/14 PLA

SHEET NO:

311221

PROJECT NO:

HWY:

R1-53

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 but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE A Е 0 2S 7 5/8 7 3/4 8 3/4 7 1/8 7 1/4 4 3/4 3∕8 1 1/4 4 5/8 6 1/8 24 2 1/4 30 1 1/8 1/2 2 5.0 2M 24 2 1/4 30 3/8 4 % 6 1/8 5.0 3 4 5

COUNTY:

STANDARD SIGN R1-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 12/03/10

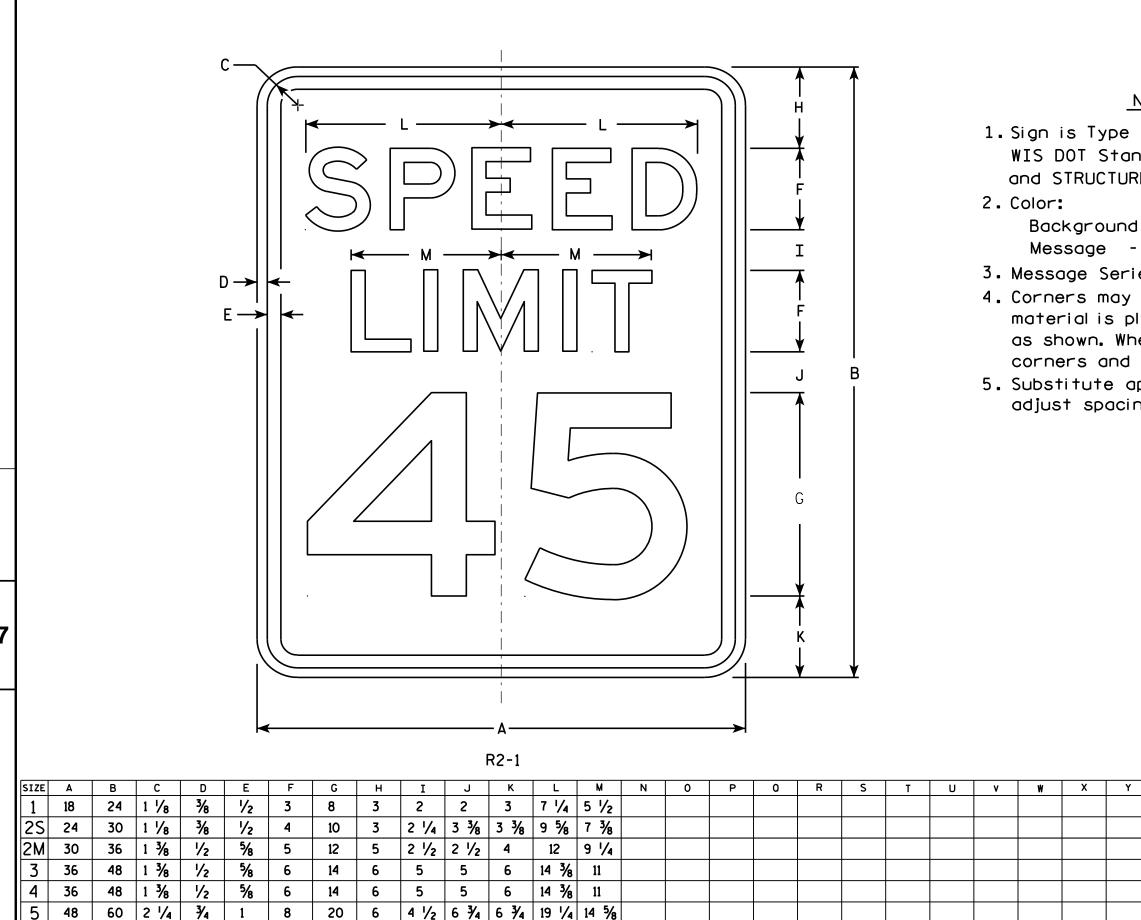
PLATE NO. R1-53.10

SHEET NO:

HWY:

PROJECT NO:

PLOT NAME :



COUNTY:

NOTES

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

Background - White Message - Black

- 3. Message Series E
- 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 and optically adjust spacing to achieve proper balance.

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther R Raus

For State Traffic Engineer DATE <u>5/26/1</u>0 PLATE NO. R2-1.13

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN

PROJECT NO:

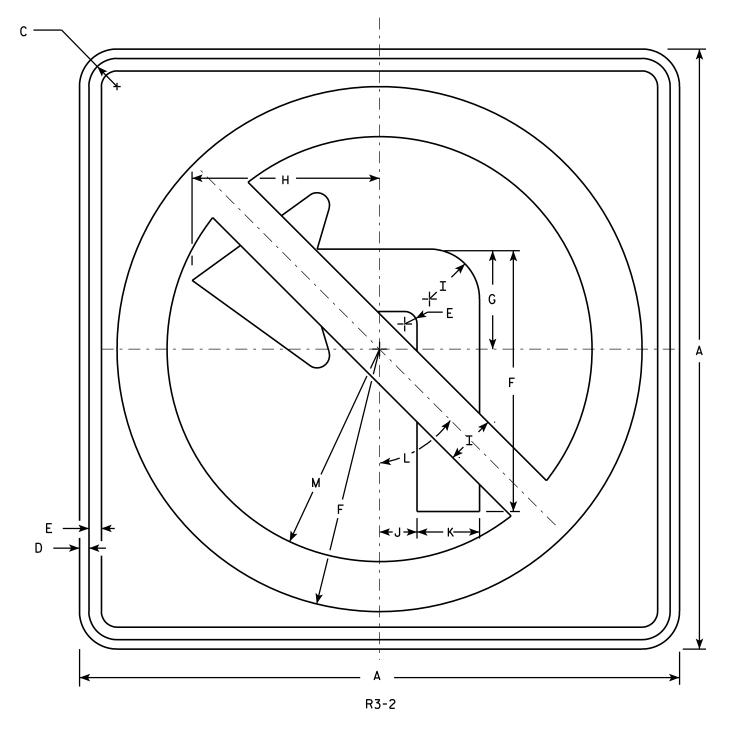
HWY:

PLOT DATE: 28-MAY-2010 08:32

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 4.717577:1.000000

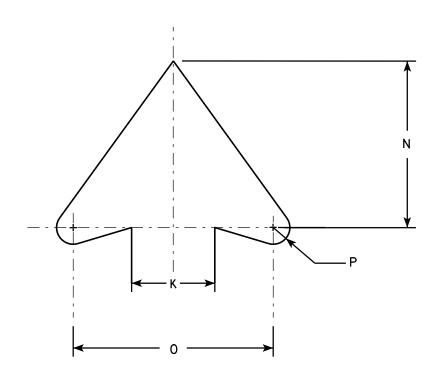


<u>NOTES</u>

- 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

SIZE	Α	В	C	D	E	F	G	н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	×	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 Mat

For State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

SHEET NO:

HWY:

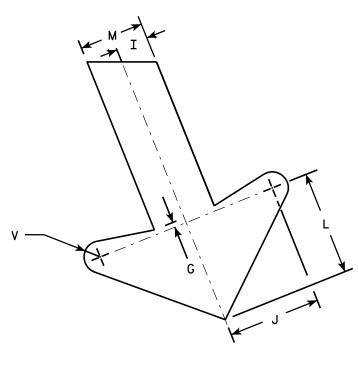
PROJECT NO:

PLOT NAME :

- 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 E
- 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.



ARROW DETAIL

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 %	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 %	3	2 1/4	10 %	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

COUNTY:

R3-20L

HWY:

М

М

0

STANDARD SIGN R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer PLATE NO. R3-20L.7

DATE 10/18/10

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R320L.DGN

PROJECT NO:

PLOT DATE: 15-OCT-2010 14:45

PLOT NAME :

PLOT BY: dotsja

PLOT SCALE: 5.959043:1.000000

R3-20R

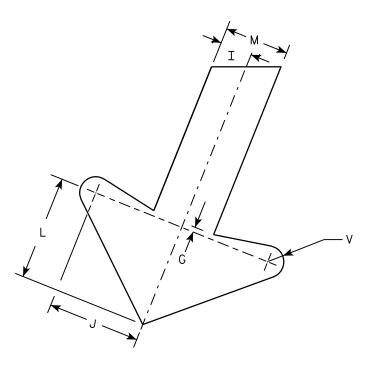
HWY:

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 E
- 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.



ARROW	DETA	ال
-------	------	----

PLOT NAME :

																											1 4
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	a	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1 1																											
25	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	3 1/4	2	1 ½	8 1/2	8 1/4		8 1/8	7 %	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 %	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 1/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

COUNTY:

STANDARD SIGN R3-20R

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

SHEET NO:

DATE 10/18/10

PLATE NO. <u>R3-20R.</u>6

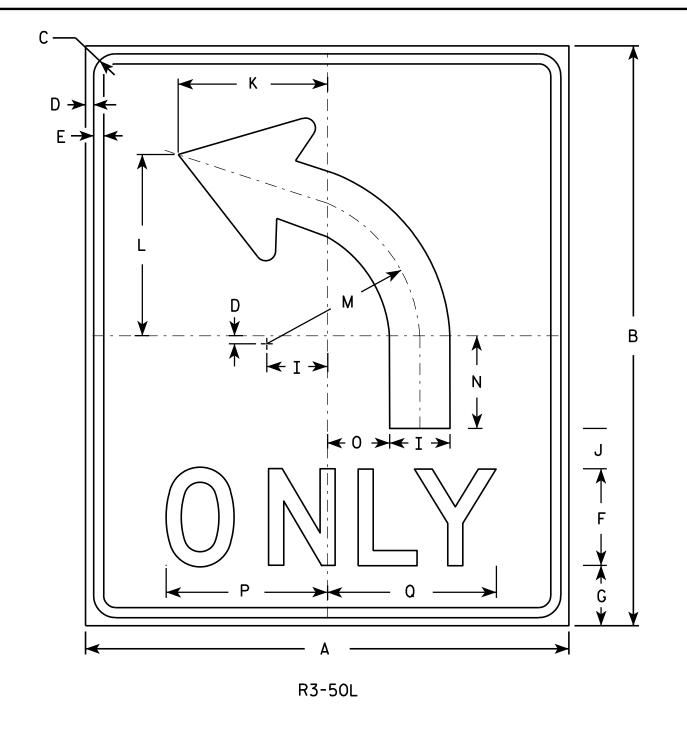
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R320R.DGN

PROJECT NO:

PLOT DATE: 15-OCT-2010 14:59

PLOT BY : dotsja

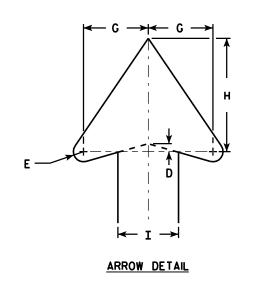
PLOT SCALE: 5.959043:1.000000



- 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 but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. R3-50R is the same as R3-50L except curved portion of arrow points right.



SIZE	Α	В	С	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																											
2S	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 1/8	10	10 1/2										7.5
2M	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 1/8	10	10 1/2										7.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R3-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 3/24/2011

PLATE NO. R3-50.2

SHEET NO:

HWY:

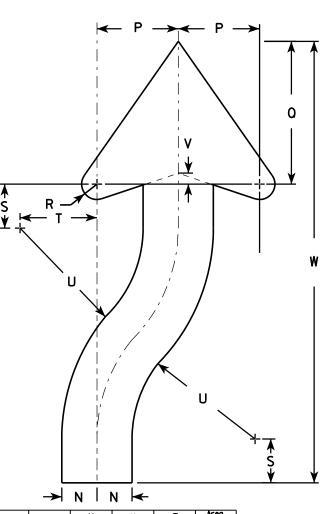
PROJECT NO:

PLOT BY: mscsja

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
- 2. Color:

Background - White Message - Black

- 3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
- 4. R4-8 is the same as R4-7 except Legend is reversed.



PLOT NAME :

ARROW DETAIL

																							\rightarrow	N I	N 		
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Areo sq. ft
1	18	24	1 1/8	3∕8	1/2	3 %	4 3/4	5 ½	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 %	3 1/4	6 3/4	1/2	20 ¾				3.0
2S	24	30	1 1/8	3∕8	1/2	4 1/2	6 1/4	7 3/8	1 %	3	8	4	12 1/2	2	30	4 %	8 1/8	1 /8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 1/8	3	8	4	12 1/2	2	30	4 %	8 1/8	7∕8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 1/8	4 1/2	12	6	18 ¾	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 1/2	1	40 ¾				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 1/8	4 1/2	12	6	18 ¾	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 ½	1	40 ¾				12.0
5	48	60	2 1/4	₹4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 %	5	8 3/4	18	1 1/4	50 1/4				20.0

COUNTY:

R4-7

STANDARD SIGN R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

SHEET NO:

PROJECT NO:

D→

HWY:

<u>NOTES</u>

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

Background - See detail Message - White - Type H Reflective

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

Whi te Red White R5-1

SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2S	30		1 1/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 %	14 1/2	12 1/2	8 1/2	8 %											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 ¾											9.0
3	36		2 1/4		6	5	7 1/2	2 ½	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 %	14 1/2	23 ½	20	12 3/4	12 1/8											16.0

COUNTY:

STANDARD SIGN R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

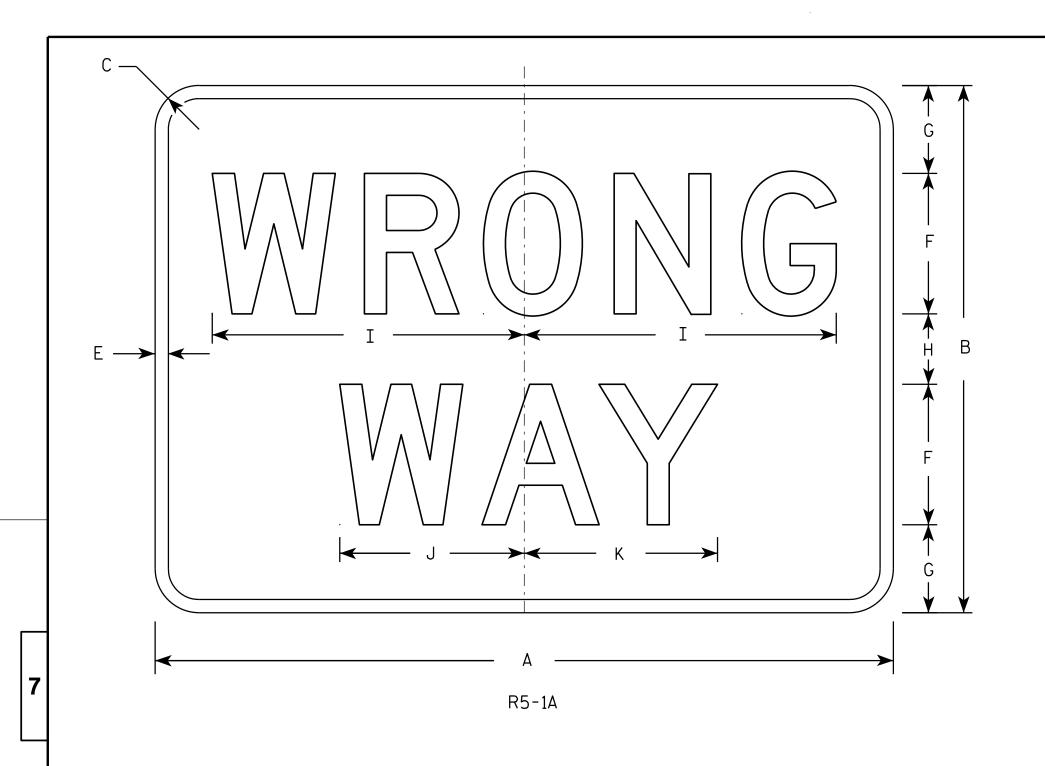
DATE 12/17/10 PLATE NO. R5-1.15

SHEET NO:

PROJECT NO:

HWY:

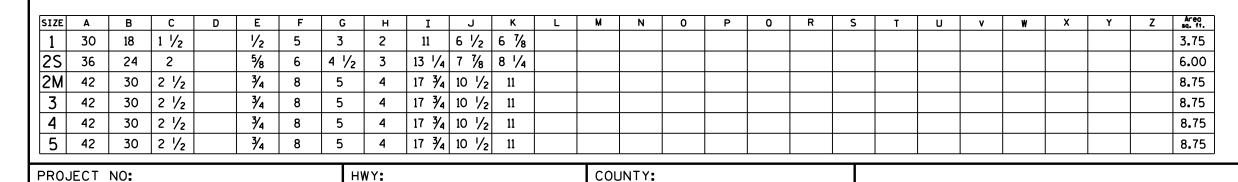
PLOT NAME :



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

Background - Red Message - White

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



STANDARD SIGN R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Raud

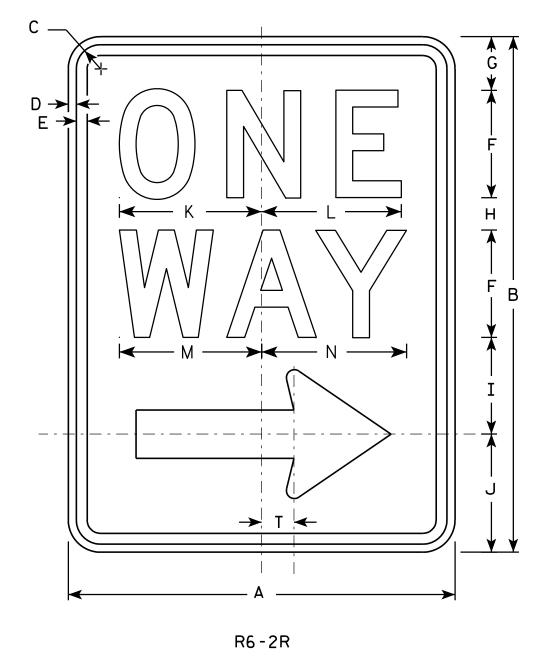
For State Traffic Engineer PLATE NO. R5-1A.2

DATE 12/17/10

SHEET NO:

PROJECT NO:

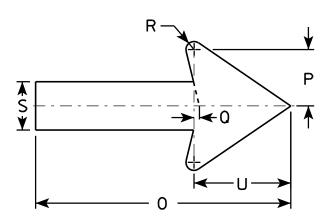
PLOT NAME :



- 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 but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. R6-2L same as R6-2R except arrow points to the left.



SIZE	Α	В	С	D	Е	F	G	Η	I	J	K	L	М	N	0	Р	0	R	S	Т	J	٧	W	Х	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 ½	6 %	6 1/2	6 %	6 ¾	11 %	2 %	1/4	3∕8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 ½	7	8 1/8	8 1/8	8 1/2	8 %	16	3 ½	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 %	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 %	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 %	1/2	3/4	4 3/4	3	9					
4	36	48	1 %	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 ½	24	5 %	1/2	3/4	4 3/4	3	9					
5	·										·									·				·		
1																										

COUNTY:

STANDARD SIGN R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthe R Rauch

For State Traffic Engineer

DATE 11/2/10

PLATE NO. R6-2.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R62.DGN

HWY:

PROJECT NO:

PLOT DATE: 02-NOV-2010 15:25

PLOT NAME :

PLOT BY: ditjph

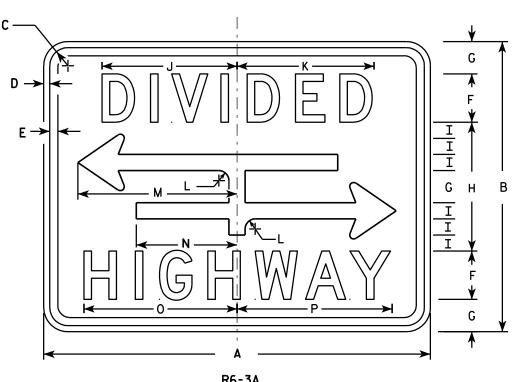
PLOT SCALE: 4.469282:1.000000

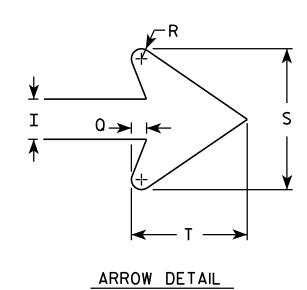
<u>NOTES</u>

- 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 but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.





SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	P	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	24	18	11/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 %	6 1/4	9 1/2	9 %	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	11/8	3/8	1/2	4	2 %	10 ¾	1 3/8	10 1/2	10 %	7 /8	12 1/2	7 1/8	12 1/4	12 3/8	1/2	3/8	4 %	3 %							5.0
2M	30	24	11/8	3/8	1/2	4	2 %	10 ¾	1 3/8	10 1/2	10 %	7 ⁄8	12 1/2	7 1/8	12 1/4	12 3/8	1/2	3/8	4 %	3 %							5.0
3																											
4																											
5																											
					•										•												

STANDARD SIGN R6-3 & R6-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer DATE 3/31/2011

PLATE NO. R6-3.5 SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R63.DGN

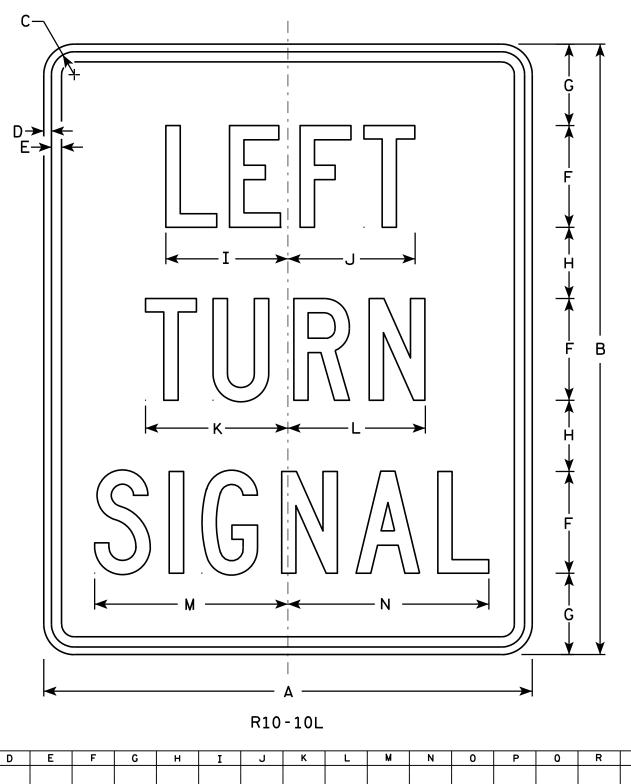
PROJECT NO:

R6-3

PLOT DATE: 31-MAR-2011 09:08

PLOT BY: mscsja

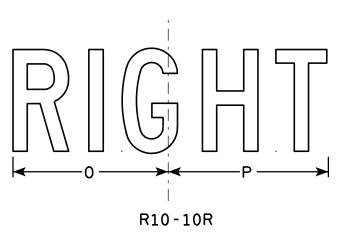
5.959043:1.000000



- 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 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.
- 5. R10-10R is identical to R10-10L except RIGHT replaces LEFT.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
25	24	30	1 1/8	3/8	1/2	5	4	3 1/2	6	6 1/4	7	6 3/4	9 1/2	9 %	7 5/8	7 1/8											5.0
2M	24	30	1 1/8	3/8	1/2	5	4	3 1/2	6	6 1/4	7	6 3/4	9 1/2	9 %	7 %	7 1/8											5.0
3																											
4																											
5																											
	•		•	•	,	•		,	,	•		,	•	•		,		•	•		,		•		•	•	

COUNTY:

STANDARD SIGN R10-10

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer
PLATE NO. R10-10.6

DATE 4/5/11

SHEET NO:

PLOT DATE: 05-APR-2011 09:37

PLOT BY: mscj9h

PLOT NAME :

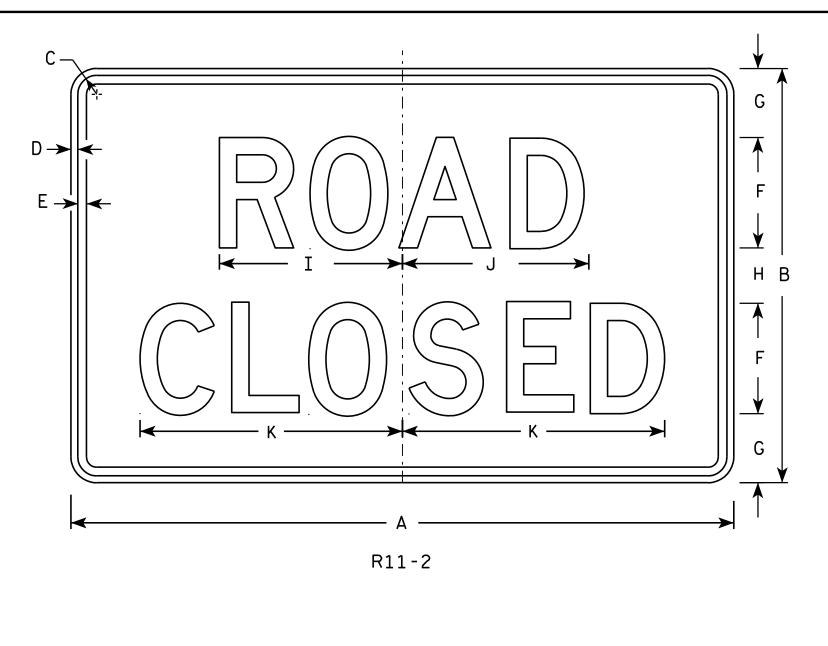
PLOT SCALE: 4.717577:1.000000

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R1010.DGN

PROJECT NO:

HWY:

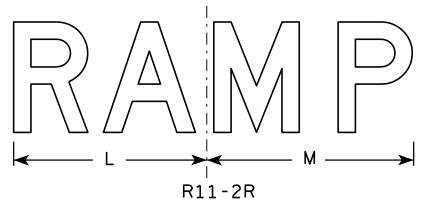


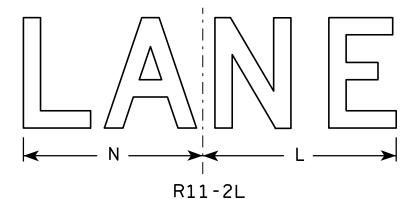
<u>NOTES</u>

- 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 but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Modify the message as required.





SIZE	A	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Ρ	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
PRO	DJECT	NO:						HWY:					С	OUNTY	':												

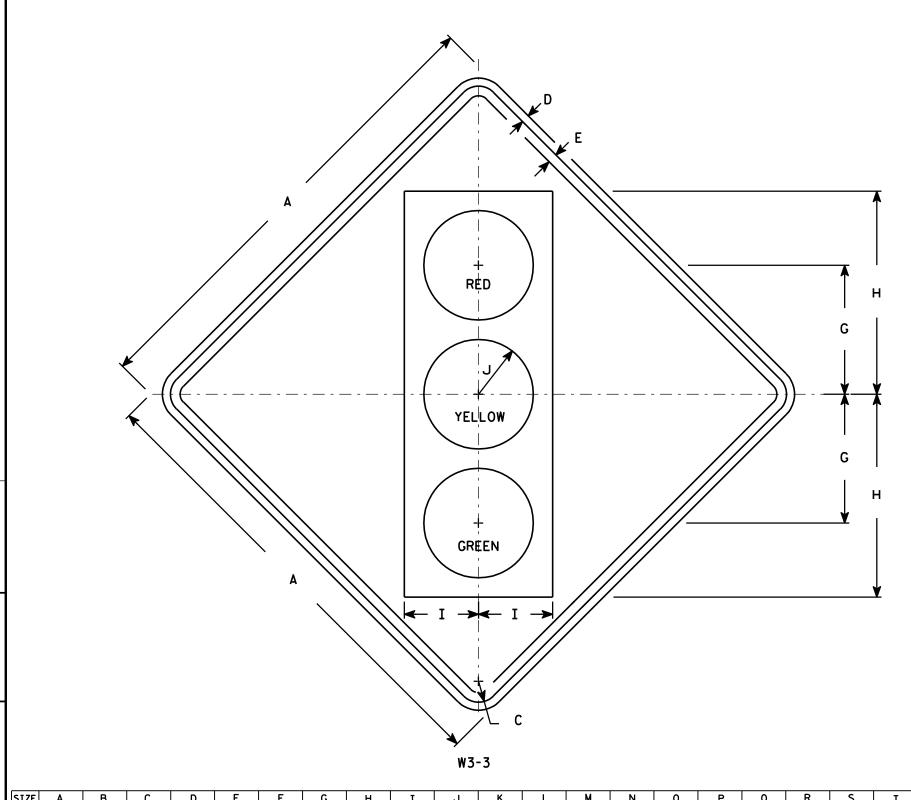
STANDARD SIGN R11-2

WISCONSIN DEPT OF TRANSPORTATION

DATE 4/1/11 PLATE NO. R11-2.10

SHEET NO:

PLOT BY: mscj9h



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

Background - Yellow 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. Symbol and border are non-reflective black. Top circle - Type H Reflectorized Red Center circle - Same as background Bottom circle - Type H Reflectorized Green

SIZE Α 1 3/8 1/2 13 3/4 5 5/8 8 3/4 3 3/4 30 6.25 25 1 % 5/8 15 3/4 5 3/4 4 1/4 36 3/4 9.0 2M 15 3/4 5 3/4 4 1/4 36 1 % 5/8 9.0 3 36 1 % 5/8 15 3/4 5 3/4 4 1/4 9.0 3/4 4 12 1/2 20 7 1/2 5 48 2 1/4 16.0 12 1/2 5 20 7 1/2 5 48 2 1/4 16.0

COUNTY:

STANDARD SIGN W3 - 3

WISCONSIN DEPT OF TRANSPORTATION

for State Traffic Engineer DATE 6/7/10 PLATE NO. W3-3.11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN

HWY:

PROJECT NO:

PLOT DATE: 07-JUN-2010 13:07

PLOT BY: ditjph

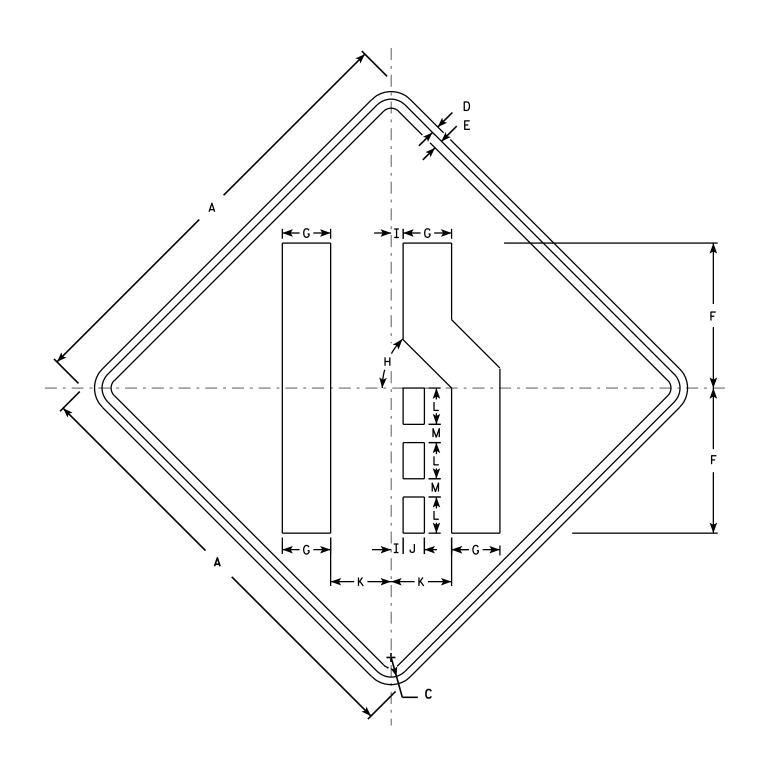
PLOT NAME :

PLOT SCALE: 7.448805:1.000000

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

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W4-2L is the same as W4-2R except the symbolis reversed along the vertical centerline.



W4-2R

SIZE	Α	В	С	D	Е	F	G	H	I	7	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft
1	30		1 3/8	1/2	5/8	10	3 %	45°	1 %	1 1/2	4 1/4	2 1/2	1 1/4														6.25
25	36		1 %	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 %	5/8	₹4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 %	5/8	₹4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 ¾	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN W4-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 3/12/13

PLATE NO. W4-2.14

SHEET NO:

PROJECT NO:

PLOT BY: mscsja



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

Background - Yellow Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. W9-1L same as W9-1R except the word Left replaces Right.

W9-1R

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Areg sq. ft.
1	30		1 3/8	1/2	5/8	5	1 1/2	2 1/2	7 1/8	7	9 1/4	8 1/8	7 %	8 %													6.25
2S	36		1 5/8	5/8	3/4	6	2	3	8 ½	9 1/8	11	9 3/4	9	10 3/8													9.0
2M	36		1 1/8	5/8	3/4	6	2	3	8 ½	9 1/8	11	9 3/4	9	10 %													9.0
3	36		1 %	5/8	3/4	6	2	3	8 ½	9 1/8	11	9 3/4	9	10 ¾													9.0
4	36		1 1/8	5/8	3/4	6	2	3	8 ½	9 1/8	11	9 3/4	9	10 3/8													9.0
5	48		2 1/4	3/4	1	8	3	4	11 1/4	12 1/4	14 3/4	12 1/8	12 1/4	13 %		·			·		·	·					16.0

STANDARD SIGN W9-1

WISCONSIN DEPT OF TRANSPORTATION

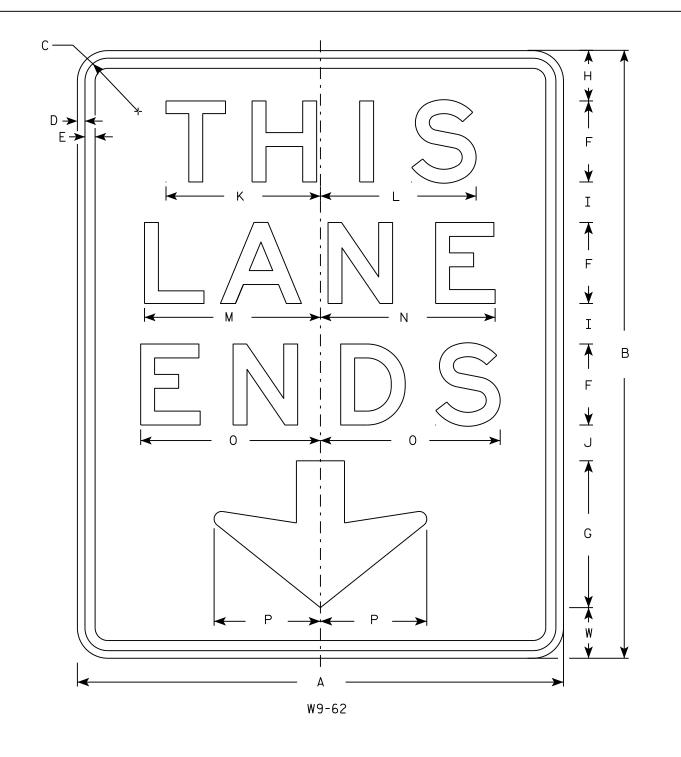
APPROVED

for State Traffic Engineer

DATE 03/18/13

SHEET NO:

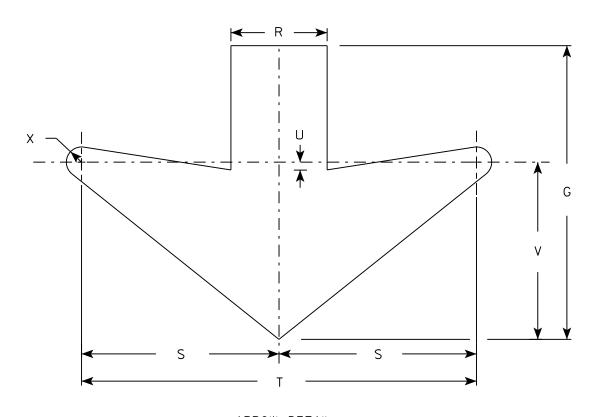
PROJECT NO:



- 1. Sign is Type II Type F Reflective except see Note 5
- 2. Color:

Background - Yellow Message - Black

- 3. Message Series E
- 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. Size 4 and 5 shall be Type Isign.



ARROW DETAIL

1																											
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	a	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1	48	60	2 1/4	3/4	1	8	14 1/2	5	4	3 1/2	15 1/4	15 3/8	17 3/8	17 1/4	17 3/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
25	48	60	2 1/4	3∕4	1	8	14 1/2	5	4	3 ½	15 1/4	15 3/8	17 3/8	17 1/4	17 3/4	10 1/2		4 3/4	9 3/4	19 ½	3/4	8 3/4	5	3/4			20.0
2M	48	60	2 1/4	3/4	1	8	14 1/2	5	4	3 1/2	15 1/4	15 3/8	17 3/8	17 1/4	17 3/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
3																											
4	72	90	6	1	1 1/2	12	22	8	6	5	23	23	26 1/8	26 1/8	26 %	16		6 1/2	15	30	2	15	7	1			45.0
5	72	90	6	1	1 1/2	12	22	8	6	5	23	23	26 1/8	26 1/8	26 %	16		6 1/2	15	30	2	15	7	1			45.0

STANDARD SIGN W9-62

WISCONSIN DEPT OF TRANSPORTATION

ROVED Matthew & Raw for State Traffic Engineer

DATE 10/15/15 PLATE NO. W9-62.10

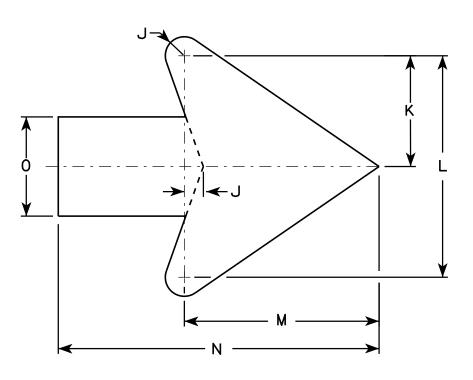
SHEET NO:

PROJECT NO:

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

Background - Yellow Message - Black

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



Arrow Detail

SIZE	Α	В	С	D	E	F	G	H	I	7	K	L	М	N	0	Ρ	0	R	S	T	U	٧	W	X	Y	Z	Areo sq. fi.
1																											
25	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 %	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3⁄8	3 3/8	7 1/4	6 %	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 1/8	3/4	4 1/2	9	7 1/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 ½	10 1/8	9 %	15 ¾	4 3/4												9.0
5	48		2 1/4	₹4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

COUNTY:

W12-1D

STANDARD SIGN W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Fer State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W121D.DGN

HWY:

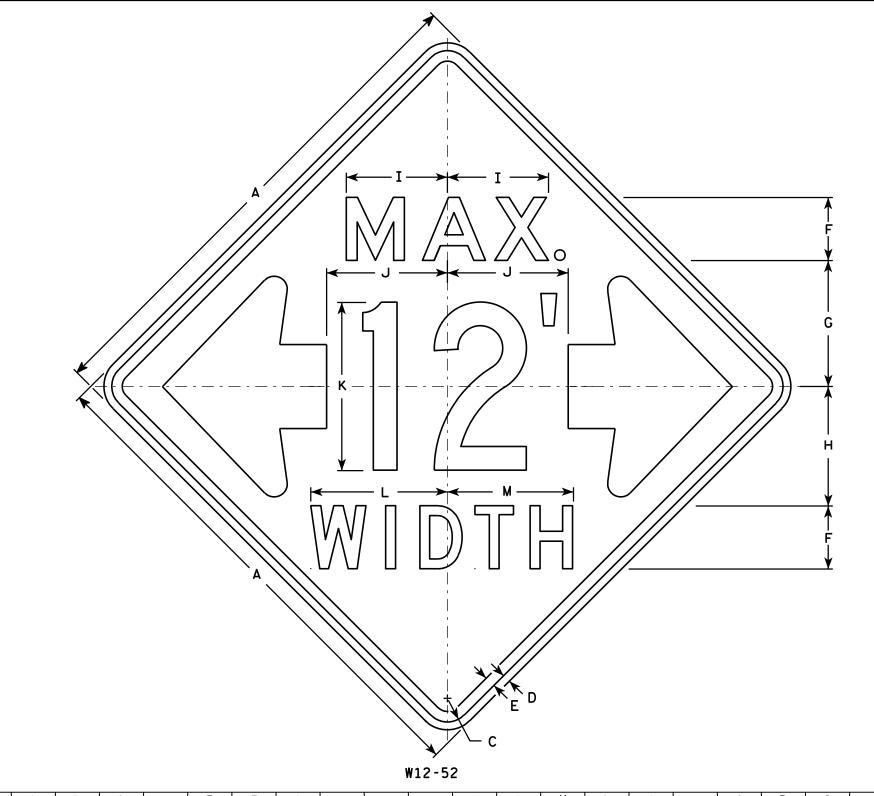
PROJECT NO:

PLOT DATE: 13-MAR-2013 13:26

PLOT NAME :

PLOT BY: mscj9h

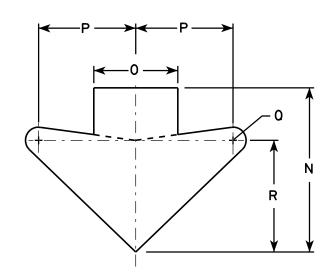
PLOT SCALE: 4.713802:1.000000



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

Background - Orange Message - Black

- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. The top line is series E, the numerals are series C, and the bottom line is series D.
- 6. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
25	48		2 1/4	3/4	1	6	12	11 3/8	9 %	11 1/2	16	13	12	15 %	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 %	11 1/2	16	13	12	15 %	8	9 1/4	1 1/4	10 %									16.0
3																											
4																											
5																											

COUNTY:

STANDARD SIGN W12-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN

PROJECT NO:

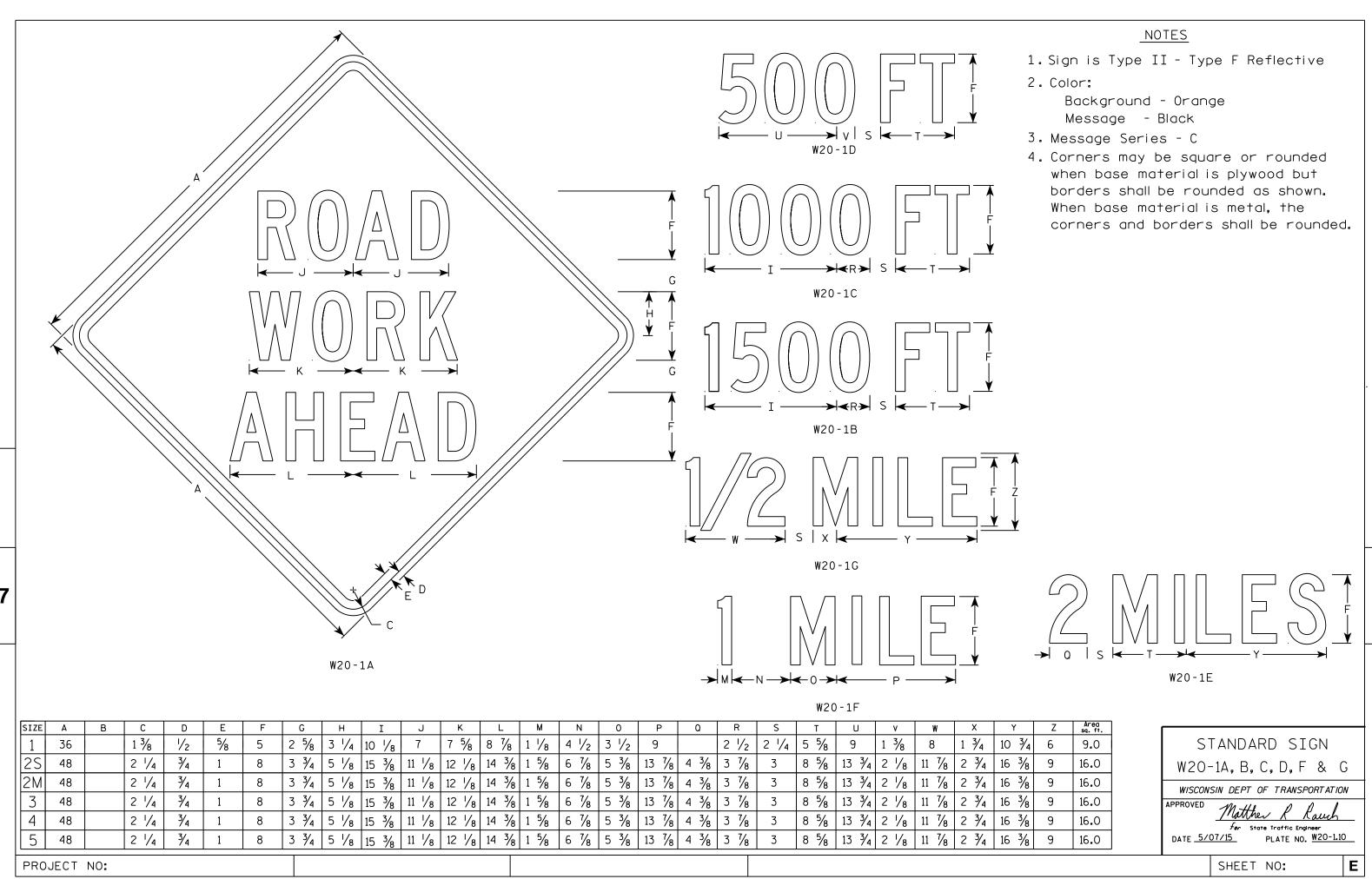
HWY:

PLOT DATE: 16-MAR-2011 14:45

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 9.137199:1.000000



FILE NAME . C.\CAFfiles\Projects\tr stdolote\W201 DCN

PLOT DATE . 01-DEC-2015 18.24

PIOT RY * \$\$ plotuser \$\$

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

Background - Orange Message - Black

3. 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.

	G
	_ ¥ B
W01-6	₩

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	M	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Areg sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 ¾													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 ¾													12.5

COUNTY:

STANDARD SIGN WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

For State Traffic Engineer

13 PLATE NO. <u>W01-6.1</u>

DATE <u>11/18/13</u>

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN

HWY:

PROJECT NO:

PLOT DATE : 28-FEB-2014 11:37

PLOT NAME :

PLOT BY: mscj9h

PLOT SCALE: 5.837526:1.000000

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

Background - Orange Message - Black

- 3. Message Series 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.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

W057-52

* See note 5

SIZE	Α	В		С	D	E	F	G	Н	I	J	К	L	M	N	0	Ρ	0	R	S	T	U	V	W	Х	Y	Z	Area sq. ft.
1	36	24	4 1	1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 %	10 %	11 3/8	2	13													6.0
2S	48	30	5 1	3/8	1/2	5/8	8	7	6	6 %	19 1/2	14	15	2 3/4	17 3/8													12.0
2M	48	30	5 1	3/8	1/2	5/8	8	7	6	6 %	19 1/2	14	15	2 3/4	17 3/8													12.0
3	48	30	5 1	3/8	1/2	5/8	8	7	6	6 %	19 1/2	14	15	2 3/4	17 3/8													12.0
4	48	30	5 1	3/8	1/2	5/8	8	7	6	6 %	19 1/2	14	15	2 3/4	17 3/8													12.0
5	48	30	5 1	3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0

COUNTY:

STANDARD SIGN W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 11/20/13

SHEET NO:

HWY:

PROJECT NO:

PLOT BY: mscj9h

PLATE NO. W057-52.1

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov