TOTAL SHEETS = 102

A.A.D.T.

A.A.D.T.

DESIGN SPEED

D.H.V.

PLAN

LOT LINE

CORPORATE LIMITS

LIMITED HIGHWAY EASEMENT

PROPOSED OR NEW R/W LINE

EXISTING RIGHT OF WAY

PROPERTY LINE

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT

PROPOSED CULVERT (Box or Pipe)

COMBUSTIBLE FLUIDS

WOODED OR SHRUB AREA

MARSH AREA

D.D.

2018 = 6.400

2038 = 7,600

CONVENTIONAL SYMBOLS

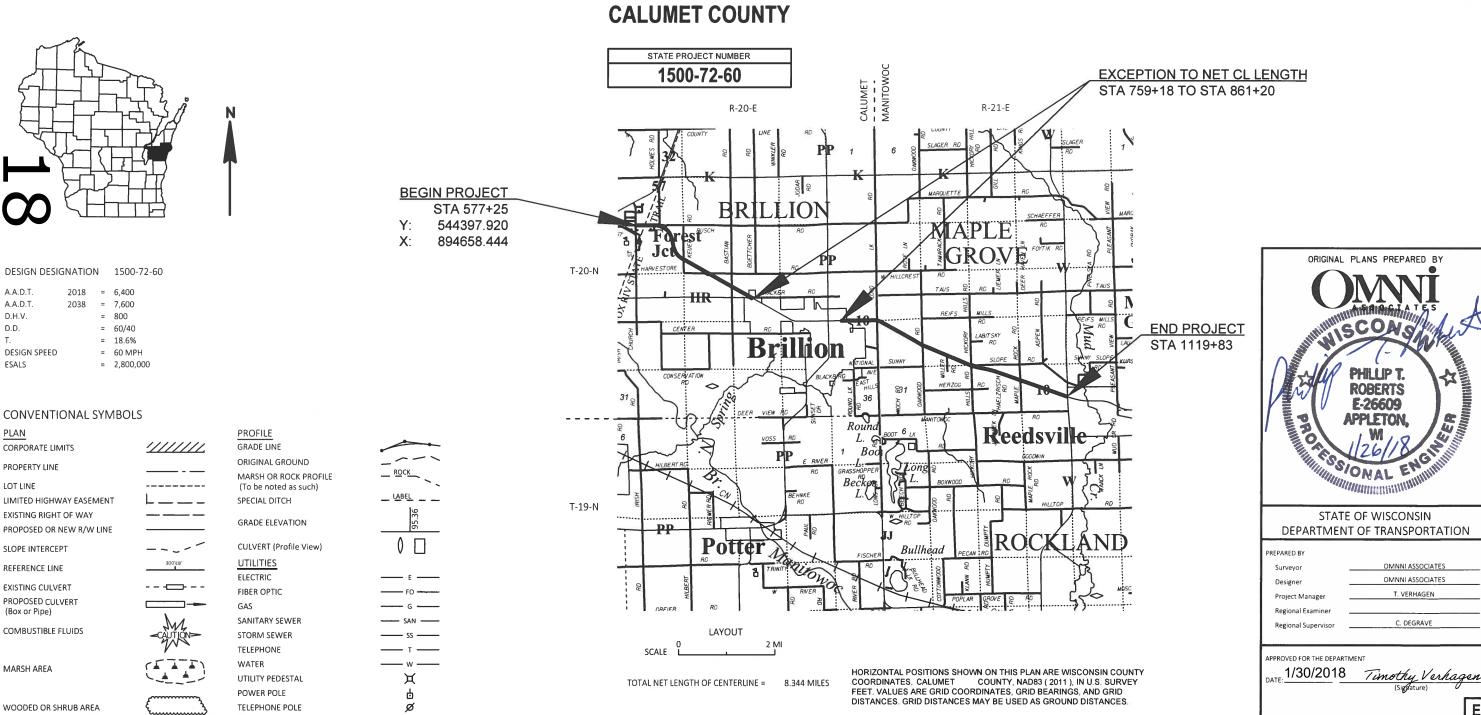
= 800

= 60/40

= 60 MPH = 2,800,000

GRE MAY 2018 **STATE OF WISCONSIN** ORDER OF SHEETS **DEPARTMENT OF TRANSPORTATION** Typical Sections and Details Section No. Estimate of Quantities Section No. Miscellaneous Quantities PLAN OF PROPOSED IMPROVEMENT Section No. Plan and Profile Section No. Standard Detail Drawings **MENASHA - REEDSVILLE** Sign Plates Section No

USH 10



FEDERAL PROJECT

CONTRACT

1

PROJECT

WISC 2018246

STATE PROJECT

UTILITIES

ELECTRIC TRANSMISSION

ATC

TONY MARCINIAK

W234 N2000 RIDGEVIEW PARKWAY COURT

P.O. BOX 47

WAUKESHA, WI 53187-0047 TELEPHONE: (262) 506-6814 TMARCINIAK@ATCLLC.COM

GAS

WISCONSIN PUBLIC SERVICE

LORI BUTRY 700 N ADAMS ST P.O. BOX 19001

GREEN BAY, WI 54307-9001 TELEPHONE: (920) 433-1703 LABUTRY@INTEGRYSGROUP.COM

CABLE TV

CHARTER/TWC KURT LITTLE

3520 EAST DESTINATION DRIVE

APPLETON, WI 54915 TELEPHONE: (920) 831-9227

KURT.LITTLE@CHARTER.COM

ELECTRIC

WISCONSIN PUBLIC SERVICE

LORI BUTRY 700 N ADAMS ST P.O. BOX 19001

GREEN BAY, WI 54307-9001 TELEPHONE: (920) 433-1703 LABUTRY@INTEGRYSGROUP.COM

COMMUNICATION

CHARTER COMMUNICATIONS

BRUCE HENRY

1623 BROADWAY AVENUE SHEBOYGAN, WI 53081 TELEPHONE: (920) 907-7720

BRUCE.HENRY@CHARTER.COM

FRONTIER COMMUNICATIONS

RUSS RYAN

107 PLEASANTVIEW DR PLYMOUTH, WI 53073

TELEPHONE: (920) 893-7212 RUSSELL.W.RYAN@FTR.COM



www.DiggersHotline.com

UTILITIES

GAS/PETROLEUM WEST SHORE PIPELINE

CASEY SCHWANDT
2119 NORTH QUINCY ST
GREEN BAY, WI 54302
TELEPHONE: (920) 432-3223
CSCHWANDT@BUCKEYE.COM

ARIENS CO
JESSE WILLEMS
655 RYAN STREET
PO BOX 157
BRILLION, WI 54110-0157
TELEPHONE: (920) 756-2141

JWILLEMS@ARIENS.COM

OTHER CONTACTS

DNR LIAISON MATTHEW SCHAEVE

DNR NORTHEAST REGIONAL HQ 2984 SHAWANO AVE GREEN BAY, WI 54313 TELEPHONE: 920-366-1544

EMAIL: MATTHEW.SCHAEVE@WISCONSIN.GOV

SURVEY CONTACT

NE REGION SURVEY CORRDINATOR CORMA

CORMAC MCLNNIS WISDOT NORTHEAST REGION

944 VANDERPERREN WAY GREEN BAY, WI 54304 TELEPHONE: 920-492-5638

EMAIL: CORMAC.MCLNNIS@DOT.WI.GOV

GENERAL NOTES

LOCATIONS OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.UTILITY FACILITIES WILL BE RELOCATED AS DESCRIBED IN THE SPECIAL PROVISIONS.

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

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

MISCELLANEOUS REMOVAL ITEMS SHALL BE REMOVED TO AN EXISTING JOINT OR SAWCUT AS SHOWN ON THE PLANS

A BUTT JOINT SHALL BE PROVIDED AT ALL LOCATIONS WHERE NEW PAVEMENT MATCHES EXISTING PAVEMENT

BUTT JOINT LOCATIONS SHOWN ON THE PLANS ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER IN THE FIELD

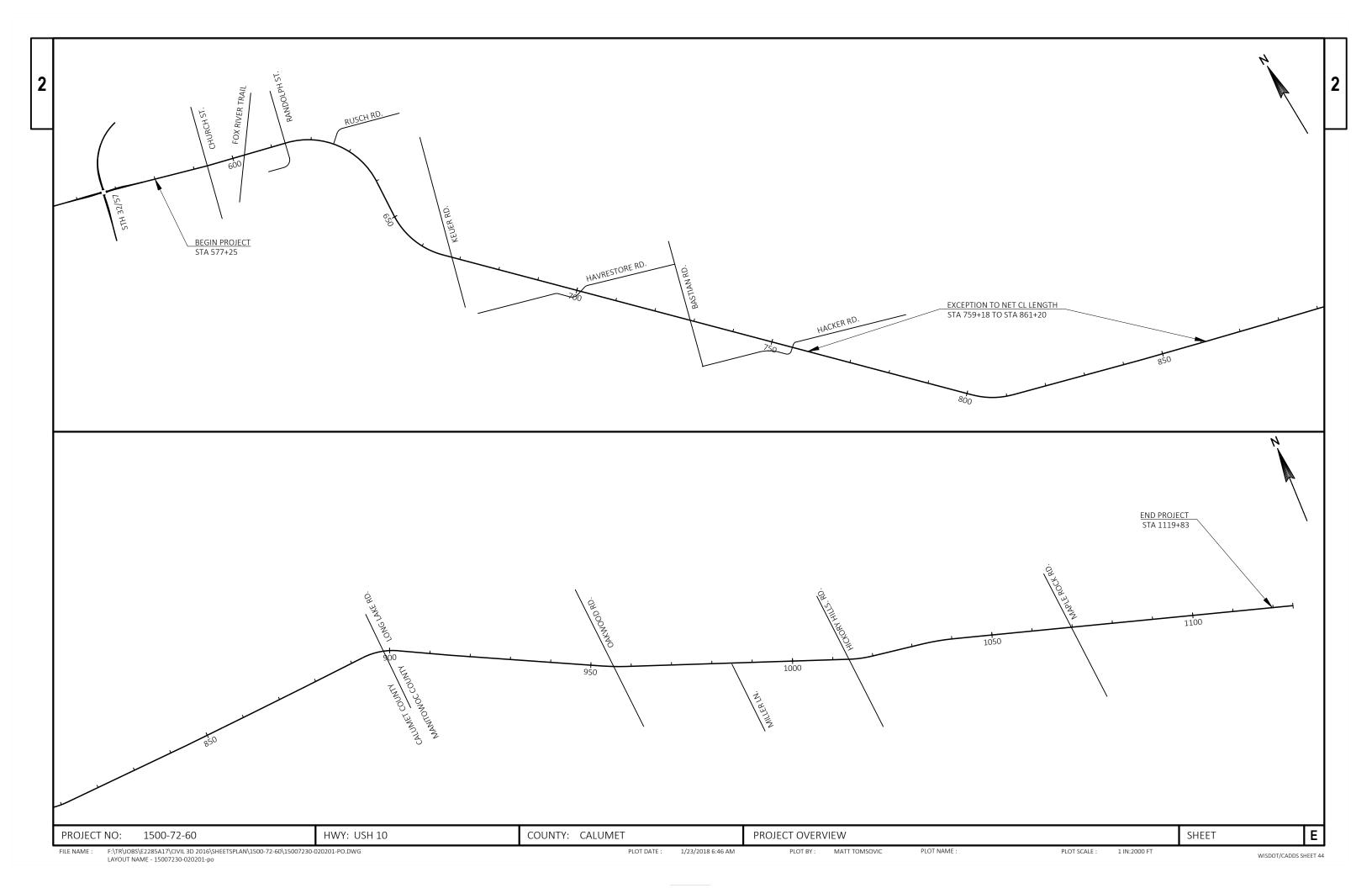
EROSION CONTROL NOTES

RUNOFF COEFFICIENT FOR THIS PROJECT: EXISTING PAVEMENT 0.95, EXISTING SLOPES 0.30, NEW PAVEMENT 0.95, NEW SLOPES 0.30.

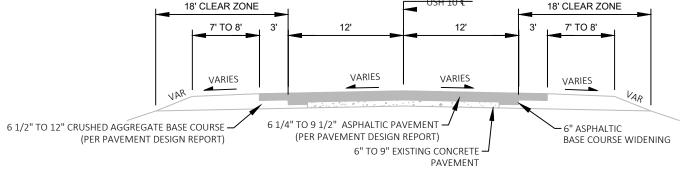
TOTAL PROJECT AREA = 34.30 ACRES.

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES =0.08 ACRES.

PROJECT NO: 1500 – 72 - 60 HWY: USH 10 COUNTY:CALUMET GENERAL NOTES SHEET:

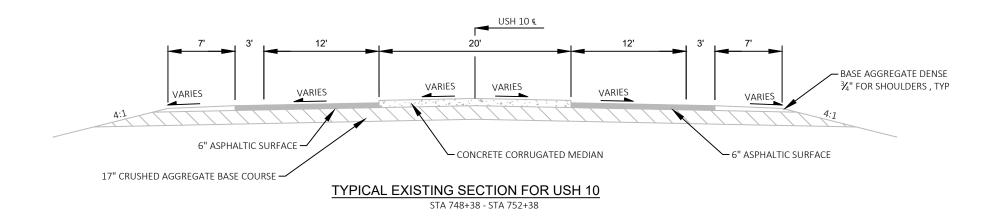


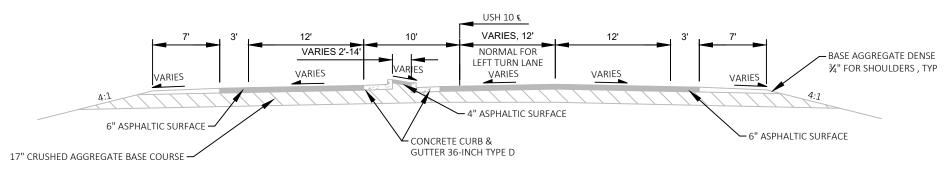




TYPICAL EXISTING SECTION FOR USH 10

STA 577+25 - STA 748+38 STA 861+20 - STA 1119+83



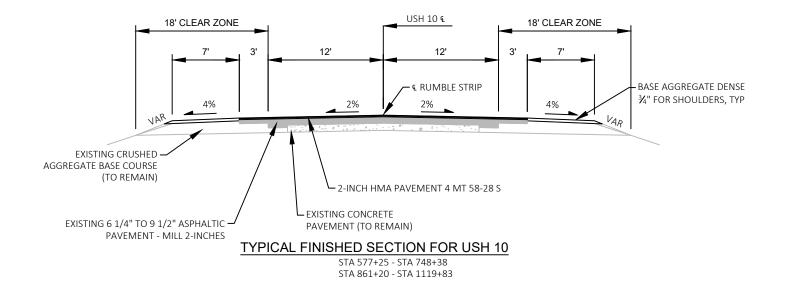


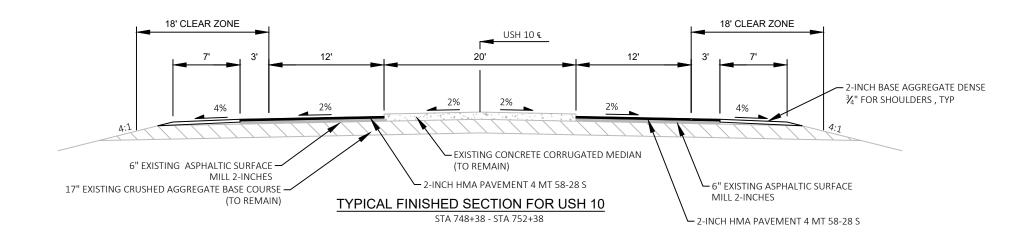
TYPICAL EXISTING SECTION FOR USH 10

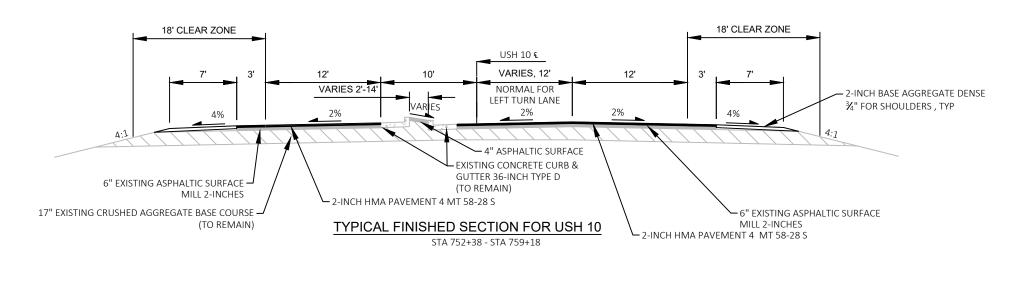
STA 752+38 - STA 759+18

Ε COUNTY: CALUMET SHEET PROJECT NO: 1500-72-60 HWY: USH 10 PLAN: TYPICAL CROSS SECTION F:\TR\\JOBS\E2285A17\CIVIL 3D 2016\SHEETSPLAN\1500-72-60\15007230-020301-TS.DWG LAYOUT NAME - 15007230-020301-ts PLOT DATE : 1/25/2018 8:23 AM MATT TOMSOVIC PLOT NAME : FILE NAME : PLOT BY: PLOT SCALE : 1 IN:10 FT WISDOT/CADDS SHEET 42









FILE NAME : F:\TR\\OBS\E2285A17\CIVIL 3D 2016\SHEETSPLAN\1500-72-60\15007230-020301-TS.DWG LAYOUT NAME - 15007230-020302-ts

HWY: USH 10

1500-72-60

PROJECT NO:

PLOT DATE : 1/30/2018 7:44 AM

COUNTY: CALUMET

PLOT BY: MATT TOMSOVIC

PLAN: TYPICAL SECTIONS

PLOT NAME :

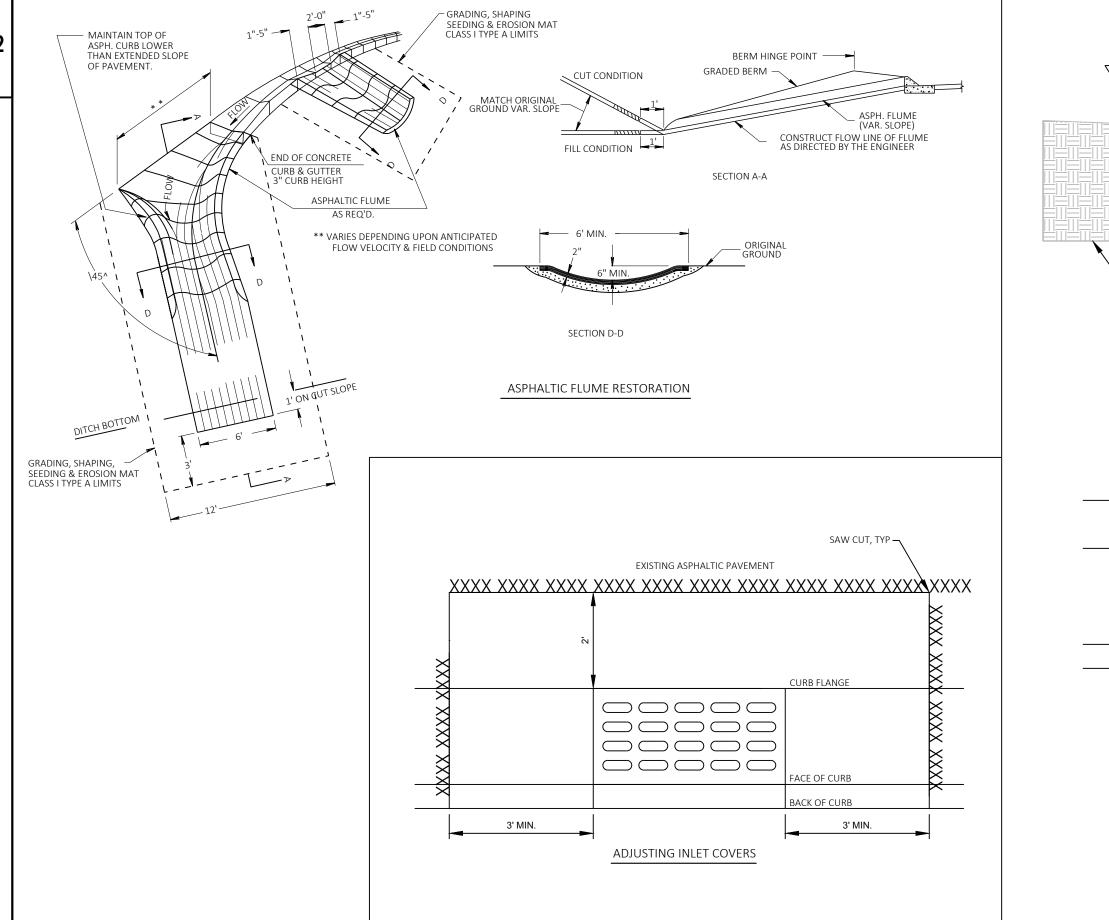
PLOT SCALE :

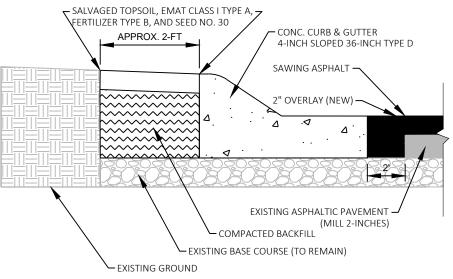
1 IN:10 FT

SHEET

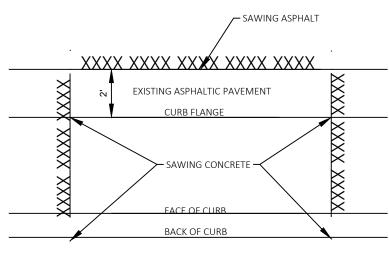
Ε







CURB AND GUTTER RESTORATION

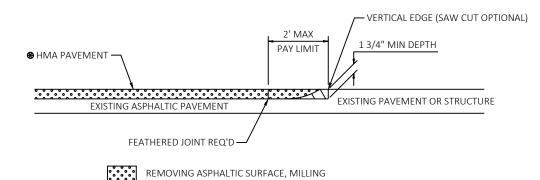


CURB AND GUTTER REPLACEMENT

PROJECT NO: 1500-72-60 HWY: USH 10 COUNTY: CALUMET PLAN: CONSTRUCTION DETAIL SHEET Ε F:\TR\JOBS\E2285A17\CIVIL 3D 2016\SHEETSPLAN\1500-72-60\15007230-021001-CD.DWG LAYOUT NAME - 15007260-021001-cd FILE NAME : PLOT DATE : 1/24/2018 3:02 PM MATT TOMSOVIC PLOT NAME PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



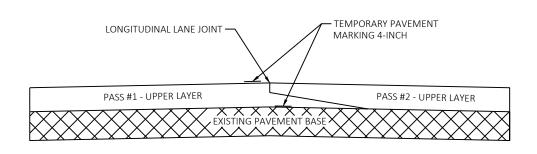


REMOVE ASPHALTIC SURFACE WEDGE AT BUTT JOINT TO CREATE VERTICAL EDGE

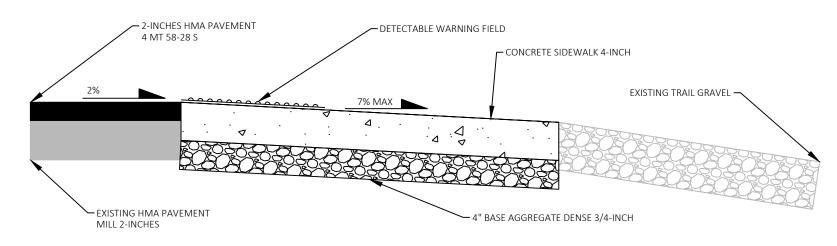
BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (NO PROFILE CHANGE)

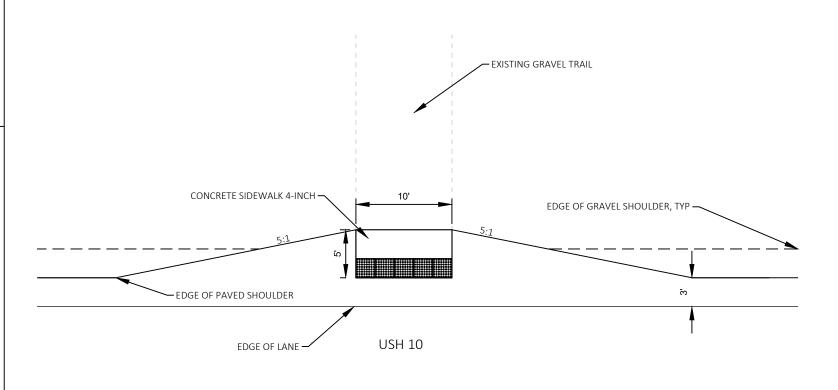
❸ SEE TYPICAL CROSS SECTION FOR

PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS



PAVEMENT MARKING DETAIL FOR TAPERED OVERLAPPING JOINTS IN HMA PAVEMENTS

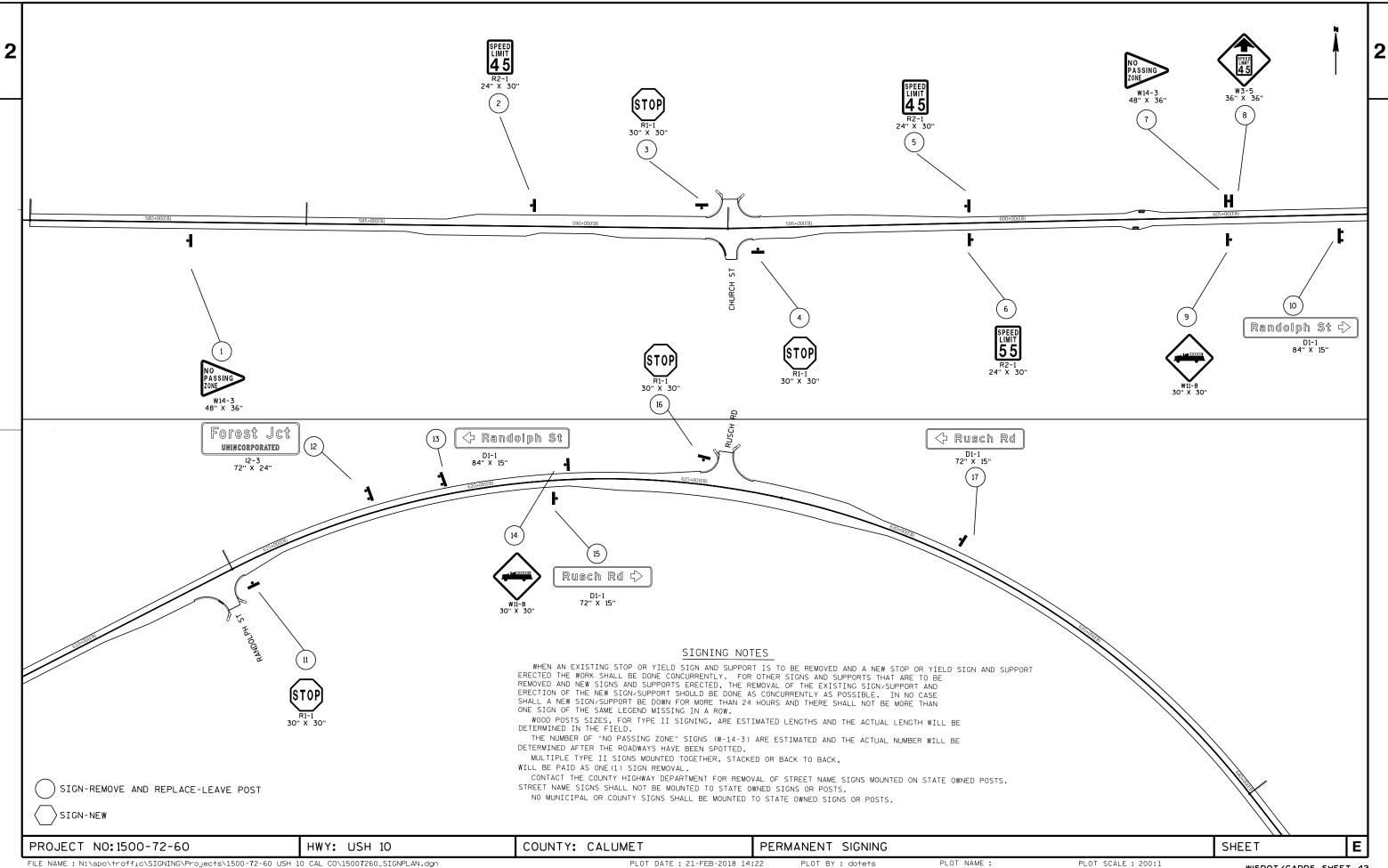




FRIENDSHIP TRAIL RAMP DETAIL

PROJECT NO: 1500-72-60 HWY: USH 10 COUNTY: CALUMET PLAN: CONSTRUCTION DETAIL SHEET

F\TR\JOBS\\E2285A17\CIVIL\ 3D\ 2016\\SHEETSPLAN\\1500-72-60\\15007230-021001-CD.DWG PLOT DATE: 1/29/2018 7:57 AM PLOT BY: MATT TOMSOVIC PLOT NAME: PLOT SCALE: 1 IN:10 FT WISDOT/CADDS SHEET 42 AYOUT NAME - 15007260-021002-cd

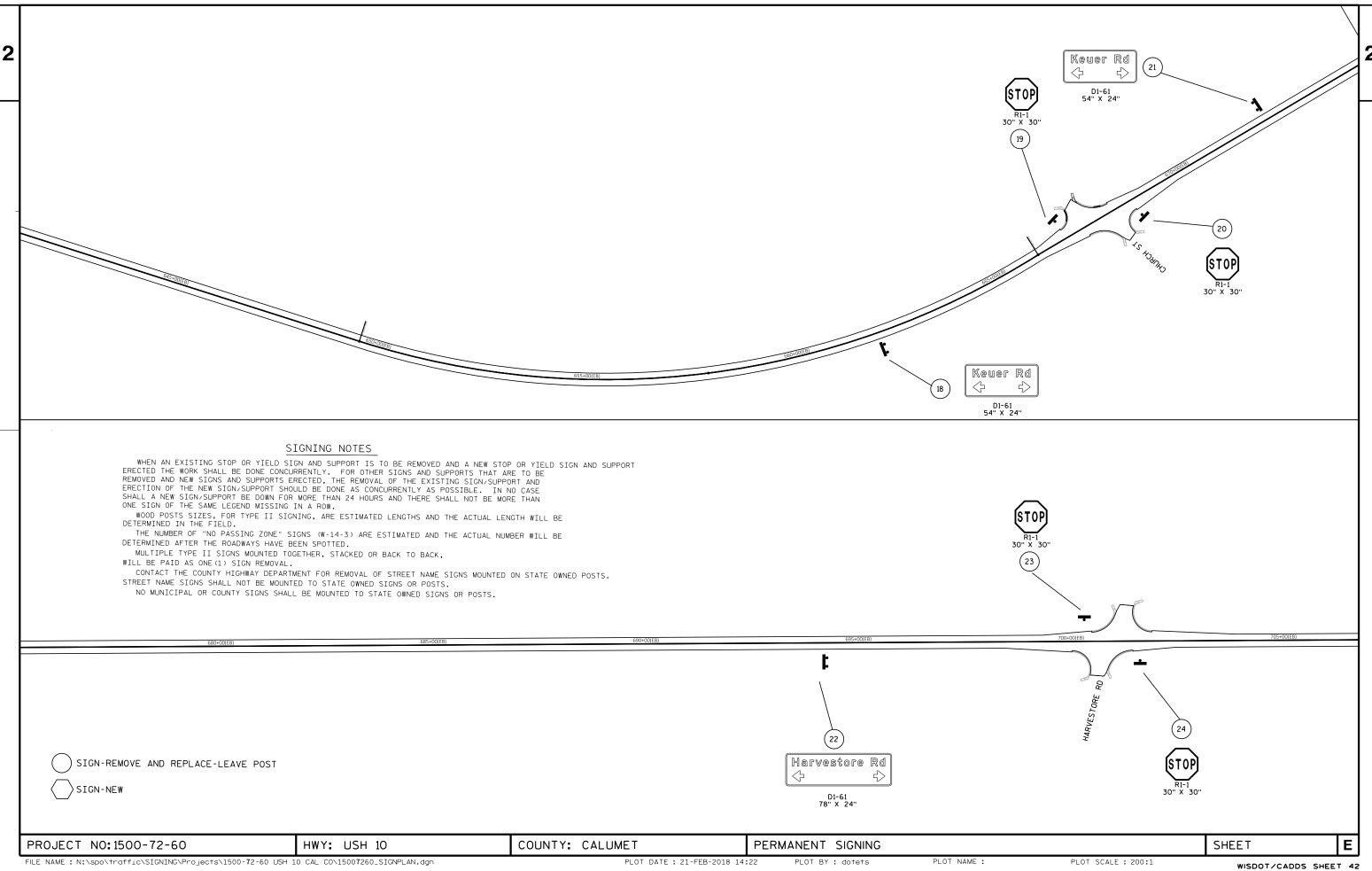


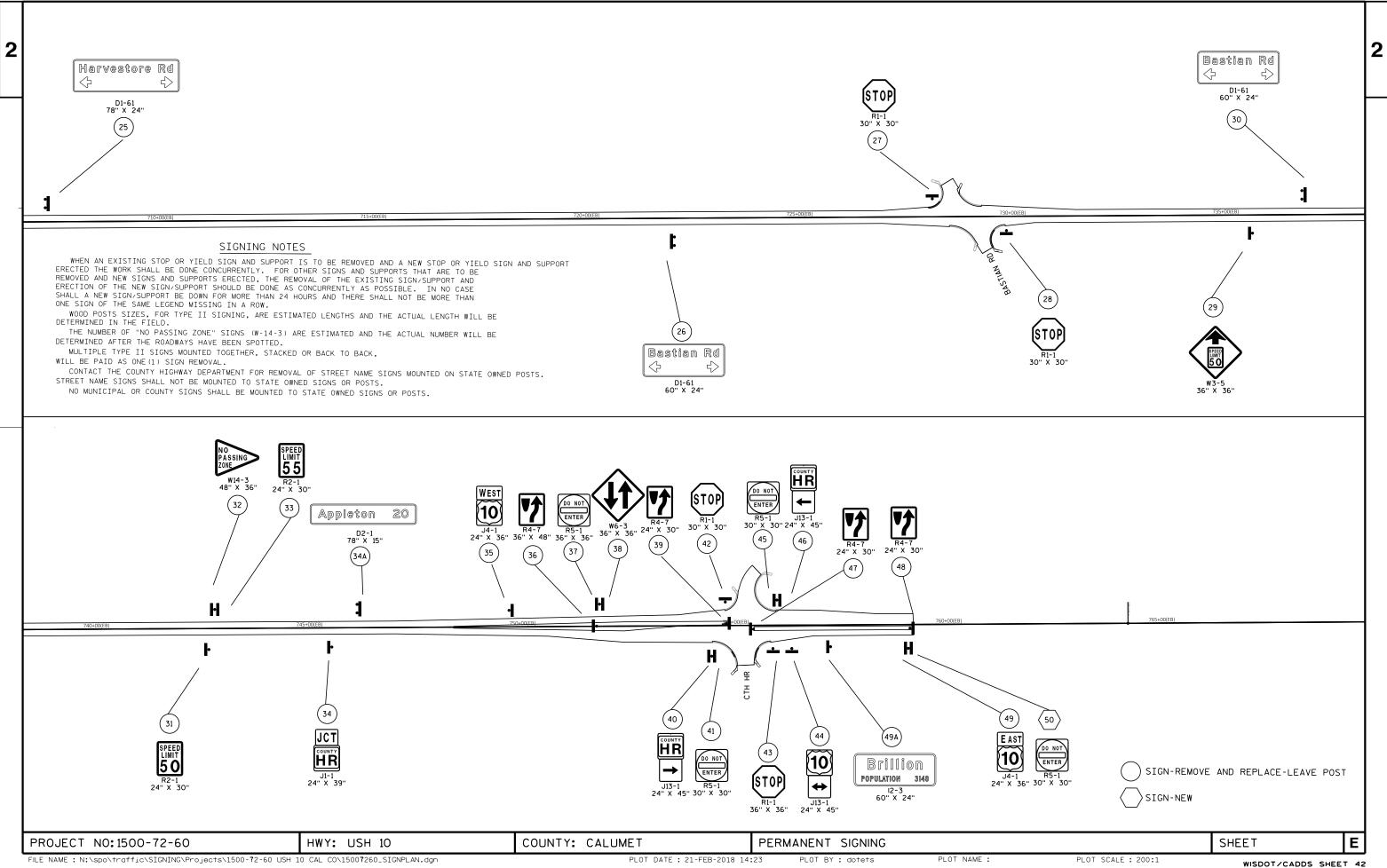
FILE NAME: N:\spo\traffic\SIGNING\Projects\1500-72-60 USH 10 CAL CO\15007260_SIGNPLAN.dgn

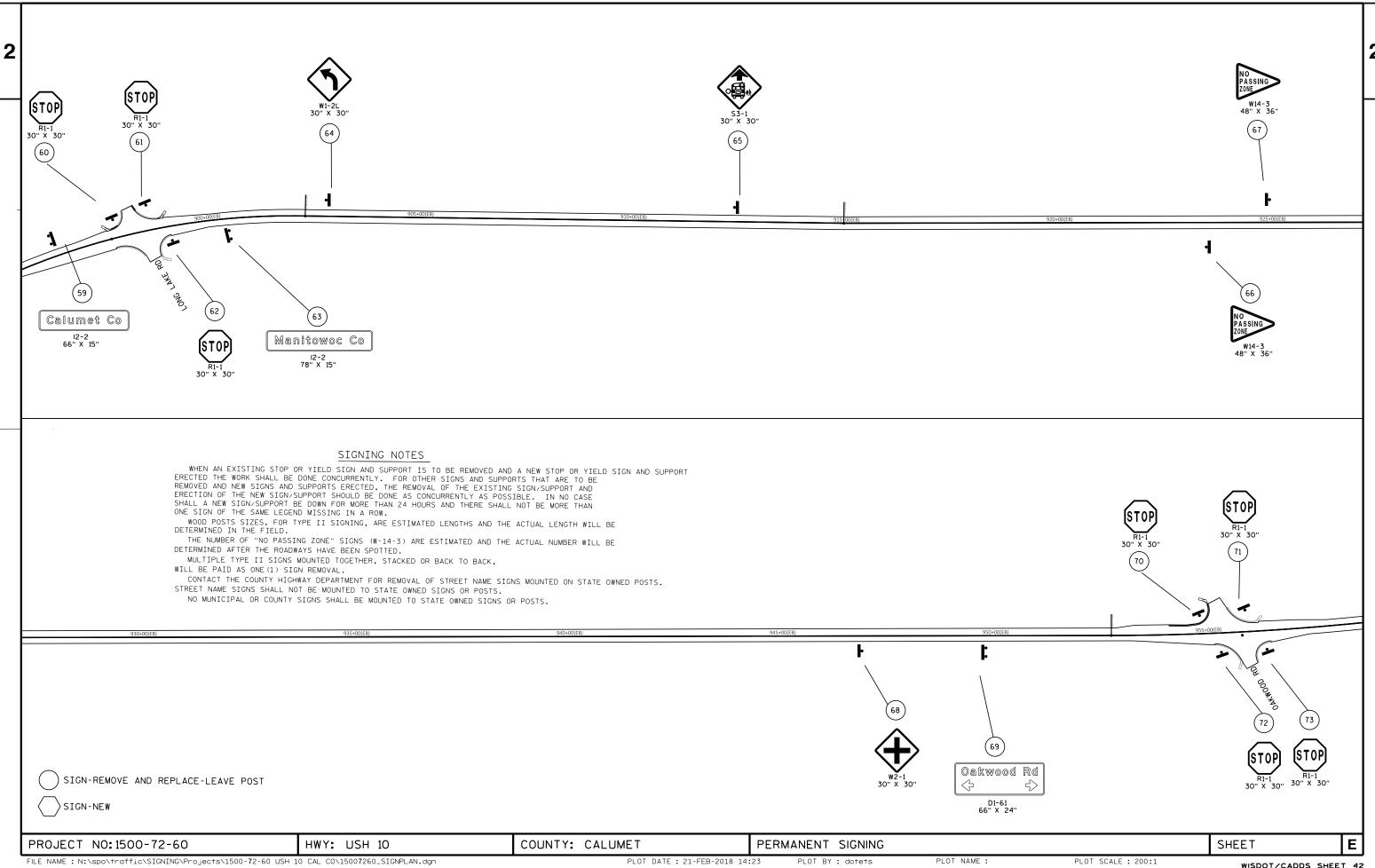
PLOT DATE: 21-FEB-2018 14:22

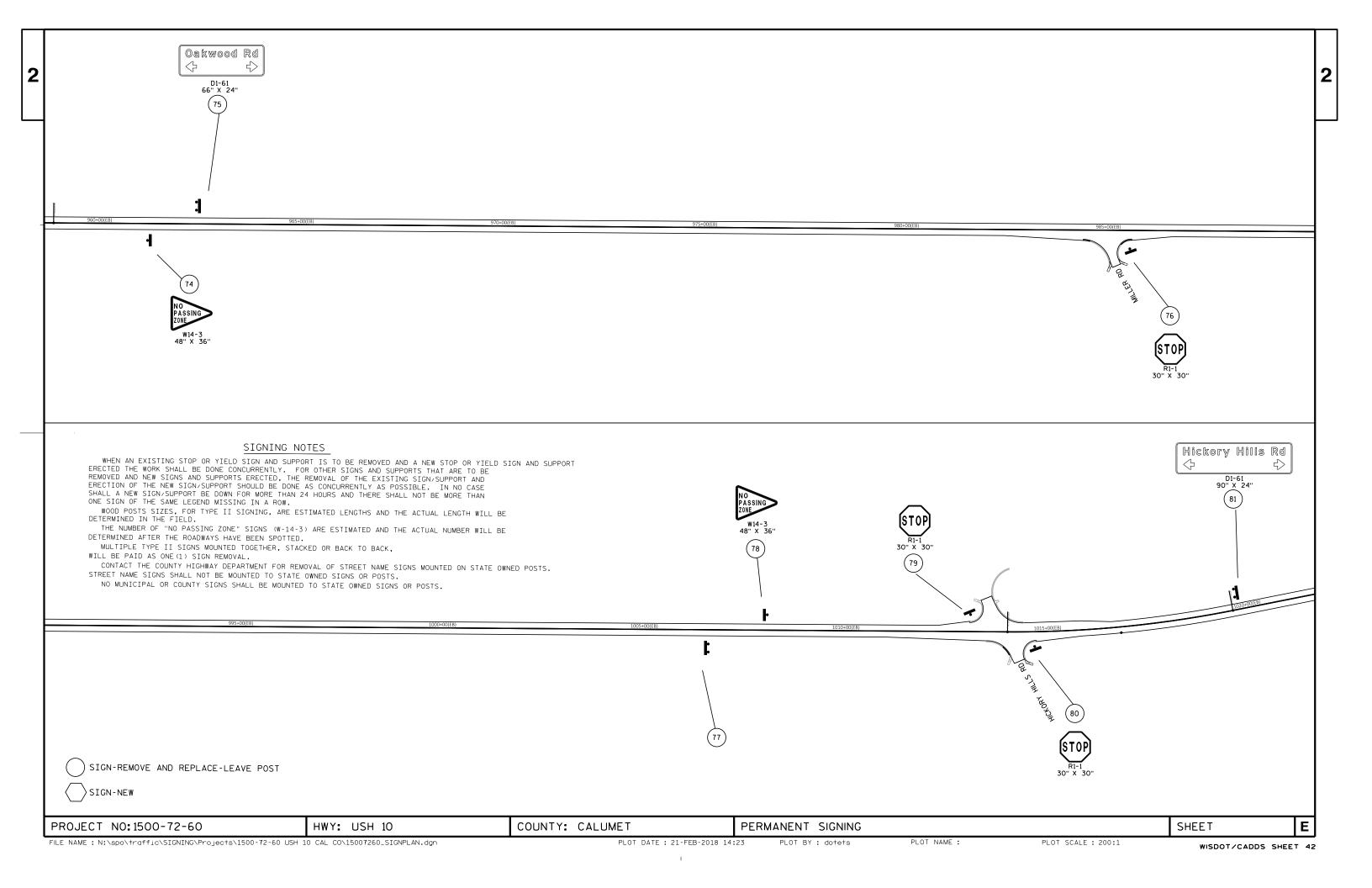
PLOT SCALE : 200:1

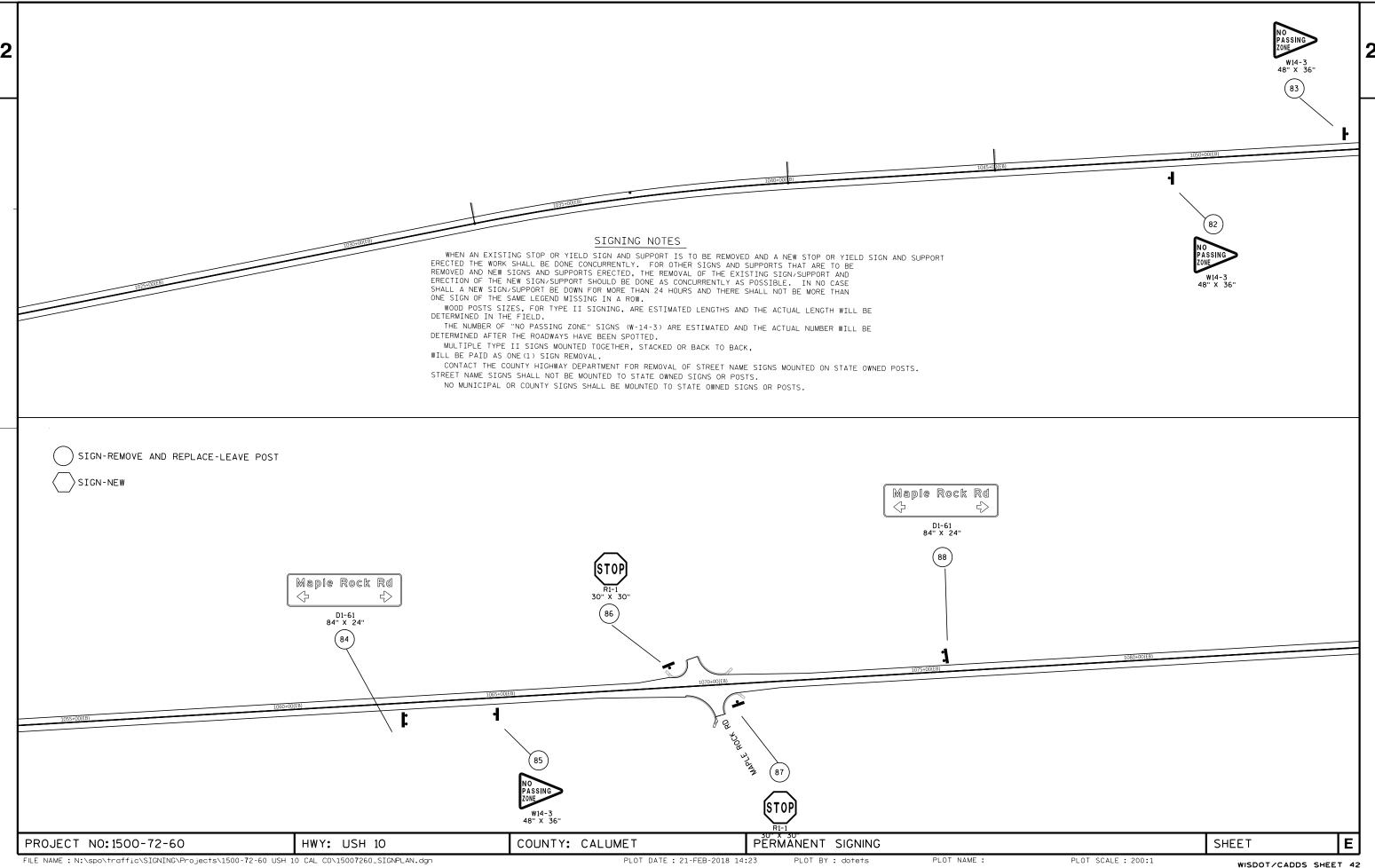
WISDOT/CADDS SHEET 42











2		Brillion 5 Appleton 27 D2-2 78" X 24"
1090+00(EB)	1095+00(EB)	1105-000151 1105-000151 F
11] 0+00(EB)		SIGNING NOTES WHEN AN EXISTING STOP OR YIELD SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP OR YIELD SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED. THE REMOVAL OF THE RESIGNS SIGN-SUPPORT AND SUPPORTS ERECTED. THE REMOVAL OF THE RESIGNS SIGN-SUPPORT AND SUPPORTS ERECTED. THE REMOVAL OF SIGN-SUPPORT SIGNS OF SIGNS OF SIGNS OF THE SAME LEGEND WISSING IN A ROW. AND THERE SHALL NOT BE MORE THAN WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD. THE NUMBER OF "NO PASSING ZONE" SIGNS (W:14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED. MULTIPLE TYPE II SIGNS MOUNTED TOGETHER, STACKED OR BACK TO BACK, IT BACK. CONTACT THE COUNTY HIGHAY DEPARTMENT FOR REMOVAL OF STREET NAME SIGNS MOUNTED ON STATE OWNED POSTS. STREET NAME SIGNS SHALL NOT BE MOUNTED TO STATE OWNED SIGNS OR POSTS. NO MUNICIPAL OR COUNTY SIGNS SHALL BE MOUNTED TO STATE OWNED SIGNS OR POSTS.
SIGN-REMOVE AND REPLACE-LEAVE F SIGN-NEW PROJECT NO:1500-72-60	POST HWY: USH 10	COUNTY: CALUMET PERMANENT SIGNING SHEET E

I

Page 1

					1500-72-60	
Line	Item	Item Description	Unit	Total	Qty	
		·				
0002	204.0110	Removing Asphaltic Surface	SY	100.000	100.000	
0004	204.0115	Removing Asphaltic Surface Butt Joints	SY	167.000	167.000	
0006	204.0120	Removing Asphaltic Surface Milling	SY	164,720.000	164,720.000	
0008	204.0150	Removing Curb & Gutter	LF	445.000	445.000	
0010	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 1500-72-60	LS	1.000	1.000	
0012	213.0100	Finishing Roadway (project) 01. 1500-72-60	EACH	1.000	1.000	
0014	305.0110	Base Aggregate Dense 3/4-Inch	TON	7,950.000	7,950.000	
0016	440.4410	Incentive IRI Ride	DOL	33,376.000	33,376.000	
0018	455.0605	Tack Coat	GAL	11,520.000	11,520.000	
0020	460.2005	Incentive Density PWL HMA Pavement	DOL	13,520.000	13,520.000	
0022	460.2010	Incentive Air Voids HMA Pavement	DOL	17,020.000	17,020.000	
0024	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	44,083.000	44,083.000	
0026	460.6224	HMA Pavement 4 MT 58-28 S	TON	18,950.000	18,950.000	
0028	465.0110	Asphaltic Surface Patching	TON	400.000	400.000	
0030	465.0315	Asphaltic Flumes	SY	133.000	133.000	
0032	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	38,589.000	38,589.000	
0034	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	445.000	445.000	
0036	602.0405	Concrete Sidewalk 4-Inch	SF	100.000	100.000	
0038	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	40.000	40.000	
0040	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000	
0042	614.0400	Adjusting Steel Plate Beam Guard	LF	1,415.000	1,415.000	
0044	614.0950	Replacing Guardrail Posts and Blocks	EACH	5.000	5.000	
0046	614.0951	Replacing Guardrail Rail and Hardware	LF	50.000	50.000	
0048	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1500-72-60	EACH	1.000	1.000	
0050	619.1000	Mobilization	EACH	1.000	1.000	
0052	624.0100	Water	MGAL	48.000	48.000	
0054	633.5200	Markers Culvert End	EACH	8.000	8.000	
0056	637.2210	Signs Type II Reflective H	SF	560.980	560.980	
0058	637.2230	Signs Type II Reflective F	SF	167.220	167.220	
0060	638.2602	Removing Signs Type II	EACH	85.000	85.000	
0062	643.0300	Traffic Control Drums	DAY	1,270.000	1,270.000	
0064	643.0310.S	Temporary Portable Rumble Strips	LS	1.000	1.000	
0066	643.0900	Traffic Control Signs	DAY	3,560.000	3,560.000	
0068	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000	
0070	643.5000	Traffic Control	EACH	1.000	1.000	
0072	646.1020	Marking Line Epoxy 4-Inch	LF	130,036.000	130,036.000	
0074	646.3020	Marking Line Epoxy 8-Inch	LF	1,275.000	1,275.000	
0076	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	41,870.000	41,870.000	

Line Item Item Description Unit Total Qty 0078 646.5020 Marking Arrow Epoxy EACH 4.000 4.000 0080 646.5120 Marking Word Epoxy EACH 2.000 2.000 0082 646.8020 Marking Curpt Epoxy LF 2.000 20.000 0084 646.8120 Marking Surpted Median Epoxy LF 20.000 20.000 0086 648.8220 Marking Island Nose Epoxy LF 20.000 20.000 0088 648.0100 Locating No-Passing Zones MI 8.350 8.350 0090 649.0120 Temporary Marking Line Epoxy 4-Inch LF 41,870.000 41,870.000 0092 650.5000 Construction Staking Resurfacing Reference LF 44,083.000 125.000 0094 650.8000 Construction Staking Resurfacing Reference LF 4,080.300 44,083.000 0095 690.0150 Sawing Asphalt LF 1,165.000 1,1000 0100 690.0250		1500-72-60		1500-72-60
0080 646.5120 Marking Word Epoxy EACH 2.000 2.000 0082 646.8020 Marking Corrugated Median Epoxy F 1,840.000 20.000 0084 646.8120 Marking Curb Epoxy EACH 2.000 20.000 0086 646.8220 Marking Suland Nose Epoxy EACH 2.000 2.000 0088 648.0100 Locating No-Passing Zones MI 8.350 8.350 0090 649.0120 Temporary Marking Line Epoxy 4-Inch LF 41,870.000 41,870.000 0092 650.5500 Construction Staking Curb Gutter and Curb & Gutter LF 125,000 125,000 0094 650.8000 Construction Staking Resurfacing Reference LF 44,083.000 44,083.000 0096 650.910 Construction Staking Supplemental Control (project) 01. LS 1.000 1.000 0098 690.0150 Sawing Asphalt LF 1,165.000 1,165.000 0100 ASP,170A On-the-Job Training Apprentice at \$5.00/HR HRS 1,200.000 60		Unit Total Qty	Item Description Unit	Qty
0082 646.8020 Marking Corrugated Median Epoxy F 1,840.000 1,840.000 0084 646.8120 Marking Curb Epoxy F 2.000 2.000 0086 646.8220 Marking Island Nose Epoxy EACH 2.000 2.000 0088 648.0100 Locating No-Passing Zones MI 8.350 8.350 0090 649.0120 Temporary Marking Line Epoxy 4-Inch LF 41,870.000 41,870.000 0092 650.5500 Construction Staking Curb Gutter and Curb & Gutter LF 125.000 125.000 0094 650.8000 Construction Staking Resurfacing Reference LF 44,083.000 44,083.000 0096 650.9910 Construction Staking Supplemental Control (project) 01. LS 1.000 1.000 0100 690.0150 Sawing Asphalt LF 1,165.000 1,165.000 0101 ASP.1TOA On-the-Job Training Apprentice at \$5.00/HR HRS 1,200.000 600.000 0104 ASP.1TOG On-the-Job Training Amalea te at \$5.00/HR HRS 6		EACH 4.000 4.000	Marking Arrow Epoxy EACH	4.000
0084 646.8120 Marking Curb Epoxy LF 20.000 20.000 0086 646.8220 Marking Island Nose Epoxy EACH 2.000 2.000 0088 648.0100 Locating No-Passing Zones MI 8.350 8.350 0090 649.0120 Temporary Marking Line Epoxy 4-Inch LF 41,870.000 41,870.000 0092 650.5500 Construction Staking Curb Gutter and Curb & Gutter LF 125.000 125.000 0094 650.9910 Construction Staking Supplemental Control (project) 01. LS 1.000 1.000 0098 690.0150 Sawing Asphalt LF 1,165.000 1.165.000 0100 690.0250 Sawing Concrete LF 9.000 90.000 0102 ASP.1TOA On-the-Job Training Apprentice at \$5.00/HR HRS 1,200.000 120.000 0104 ASP.1TOG On-the-Job Training Graduate at \$5.00/HR HRS 600.000 600.000 0108 SPV.0060 Special 02. Asphaltic Flumes Maintenance EACH 18.000 18.		EACH 2.000 2.000	Marking Word Epoxy EACH	2.000
0086 646.8220 Marking Island Nose Epoxy EACH 2.000 2.000 0088 648.0100 Locating No-Passing Zones MI 8.350 8.350 0090 649.0120 Temporary Marking Line Epoxy 4-Inch LF 41,870.000 41,870.000 0092 650.5500 Construction Staking Curb Gutter and Curb & Gutter LF 125.000 125.000 0094 650.8000 Construction Staking Resurfacing Reference LF 44,083.000 44,083.000 0095 650.9910 Construction Staking Supplemental Control (project) 01. LS 1.00 1.000 0098 690.0150 Sawing Asphalt LF 1,165.000 1,165.000 0100 690.0250 Sawing Concrete LF 90.000 90.000 0102 ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR HRS 1,200.000 600.000 0104 ASP.1T0B On-the-Job Training Graduate at \$5.00/HR HRS 600.000 600.000 0108 SPV.0060 Special 01. Asphaltic Flume Restoration EACH 2.000	оху	SF 1,840.000 1,840.000	Marking Corrugated Median Epoxy SF	1,840.000
0088 648.0100 Locating No-Passing Zones MI 8.350 8.350 0090 649.0120 Temporary Marking Line Epoxy 4-Inch LF 41,870.000 41,870.000 0092 650.5500 Construction Staking Curb Guter and Curb & Gutter LF 125.000 125.000 0094 650.8000 Construction Staking Resurfacing Reference LF 44,083.000 44,083.000 0096 650.9910 Construction Staking Supplemental Control (project) 01. LS 1.000 1.000 0098 690.0150 Sawing Asphalt LF 1,165.000 90.000 0100 690.0250 Sawing Concrete LF 90.000 90.000 0102 ASP.1T0G On-the-Job Training Apprentice at \$5.00/HR HRS 1,200.000 1,200.000 0104 ASP.1T0G On-the-Job Training Graduate at \$5.00/HR HRS 600.000 600.000 0106 SPV.0060 Special 01. Asphaltic Flume Restoration EACH 18.000 18.000 0108 SPV.0060 Special 03. HMA Percent Within Limits (PWL) Test Strip Densi		LF 20.000 20.000	Marking Curb Epoxy LF	20.000
0090 649.0120 Temporary Marking Line Epoxy 4-Inch LF 41,870.000 41,870.000 0092 650.5500 Construction Staking Curb Gutter and Curb & Gutter LF 125,000 425.000 0094 650.8900 Construction Staking Resurfacing Reference LF 44,083.000 44,083.000 0096 650.9910 Construction Staking Supplemental Control (project) 01. LS 1.000 1.000 0098 690.0150 Sawing Asphalt LF 1,165.000 1,165.000 0100 690.0250 Sawing Concrete LF 90.000 120.000 0104 ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR HRS 1,200.000 120.000 0106 SPV.0060 Special 01. Asphaltic Flumes Maintenance EACH 18.000 18.000 0108 SPV.0060 Special 02. Asphaltic Flume Restoration EACH 20.000 20.000 0112 SPV.0060 Special 03. HMA Percent Within Limits (PWL) Test Strip Volumetric EACH 1.000 1.000		EACH 2.000 2.000	Marking Island Nose Epoxy EACH	2.000
0092 650.5500 Construction Staking Curb Gutter and Curb & Gutter LF 125.000 125.000 0094 650.8000 Construction Staking Resurfacing Reference LF 44,083.000 44,083.000 0096 650.9910 Construction Staking Supplemental Control (project) 01. LS 1.000 1.000 0098 690.0150 Sawing Asphalt LF 1,165.000 90.000 0100 690.0250 Sawing Concrete LF 90.000 90.000 0102 ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR HRS 1,200.000 1,200.000 0104 ASP.1T0G On-the-Job Training Graduate at \$5.00/HR HRS 600.000 600.000 0106 SPV.0060 Special 01. Asphaltic Flumes Maintenance EACH 18.000 18.000 0108 SPV.0060 Special 02. Asphaltic Flume Restoration EACH 20.000 20.000 0112 SPV.0060 Special 04. HMA Percent Within Limits (PWL) Test Strip Onlinetric EACH 1.000 1.000 0112 SPV.0060 Special 04. HMA Percent Withing Lim		MI 8.350 8.350	Locating No-Passing Zones MI	8.350
0094 650.8000 Construction Staking Resurfacing Reference LF 44,083.000 44,083.000 0096 650.9910 Construction Staking Supplemental Control (project) 01. LS 1.000 1.000 0098 690.0150 Sawing Asphalt LF 1,165.000 90.000 0100 690.0250 Sawing Concrete LF 90.000 90.000 0102 ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR HRS 1,200.000 1,200.000 0104 ASP.1T0G On-the-Job Training Graduate at \$5.00/HR HRS 600.000 600.000 0106 SPV.0060 Special 01. Asphaltic Flumes Maintenance EACH 18.000 18.000 0108 SPV.0060 Special 02. Asphaltic Flume Restoration EACH 20.000 20.000 0110 SPV.0060 Special 03. HMA Percent Within Limits (PWL) Test Strip Orlumetric EACH 1.000 1.000 0112 SPV.0060 Special 04. HMA Percent Withing Limits (PWL) Test Strip Density EACH 1.000 1.000	4-Inch	LF 41,870.000 41,870.000	Temporary Marking Line Epoxy 4-Inch LF	41,870.000
0096 650.9910 Construction Staking Supplemental Control (project) 01. LS 1.000 1.000 0098 690.0150 Sawing Asphalt LF 1,165.000 1,165.000 0100 690.0250 Sawing Concrete LF 90.000 90.000 0102 ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR HRS 1,200.000 1,200.000 0104 ASP.1T0G On-the-Job Training Graduate at \$5.00/HR HRS 600.000 600.000 0106 SPV.0060 Special 01. Asphaltic Flumes Maintenance EACH 18.000 18.000 0108 SPV.0060 Special 02. Asphaltic Flume Restoration EACH 20.000 20.000 0110 SPV.0060 Special 03. HMA Percent Within Limits (PWL) Test Strip Volumetric EACH 1.000 1.000 0112 SPV.0060 Special 04. HMA Percent Withing Limits (PWL) Test Strip Density EACH 1.000 1.000	er and Curb 8	& Gutter LF 125.000 125.000	Construction Staking Curb Gutter and Curb & Gutter LF	125.000
1500-72-60 1500-72-60 1,165.000 1,	g Reference	e LF 44,083.000 44,083.000	Construction Staking Resurfacing Reference LF	44,083.000
0100 690.0250 Sawing Concrete LF 90.000 90.000 0102 ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR HRS 1,200.000 1,200.000 0104 ASP.1T0G On-the-Job Training Graduate at \$5.00/HR HRS 600.000 600.000 0106 SPV.0060 Special 01. Asphaltic Flumes Maintenance EACH 18.000 18.000 0108 SPV.0060 Special 02. Asphaltic Flume Restoration EACH 20.000 20.000 0110 SPV.0060 Special 03. HMA Percent Within Limits (PWL) Test Strip Volumetric EACH 1.000 1.000 0112 SPV.0060 Special 04. HMA Percent Withing Limits (PWL) Test Strip Density EACH 1.000 1.000	ntal Control (բ	(project) 01. LS 1.000 1.000		1.000
0102 ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR HRS 1,200.000 1,200.000 0104 ASP.1T0G On-the-Job Training Graduate at \$5.00/HR HRS 600.000 600.000 0106 SPV.0060 Special 01. Asphaltic Flumes Maintenance EACH 18.000 18.000 0108 SPV.0060 Special 02. Asphaltic Flume Restoration EACH 20.000 20.000 0110 SPV.0060 Special 03. HMA Percent Within Limits (PWL) Test Strip Volumetric EACH 1.000 1.000 0112 SPV.0060 Special 04. HMA Percent Withing Limits (PWL) Test Strip Density EACH 1.000 1.000		LF 1,165.000 1,165.000	Sawing Asphalt LF	1,165.000
0104 ASP.1T0G On-the-Job Training Graduate at \$5.00/HR HRS 600.000 600.000 0106 SPV.0060 Special 01. Asphaltic Flumes Maintenance EACH 18.000 18.000 0108 SPV.0060 Special 02. Asphaltic Flume Restoration EACH 20.000 20.000 0110 SPV.0060 Special 03. HMA Percent Within Limits (PWL) Test Strip Volumetric EACH 1.000 1.000 0112 SPV.0060 Special 04. HMA Percent Withing Limits (PWL) Test Strip Density EACH 1.000 1.000		LF 90.000 90.000	Sawing Concrete LF	90.000
0106 SPV.0060 Special 01. Asphaltic Flumes Maintenance EACH 18.000 18.000 0108 SPV.0060 Special 02. Asphaltic Flume Restoration EACH 20.000 20.000 0110 SPV.0060 Special 03. HMA Percent Within Limits (PWL) Test Strip Volumetric EACH 1.000 1.000 0112 SPV.0060 Special 04. HMA Percent Withing Limits (PWL) Test EACH 1.000 1.000 Strip Density Strip Density 1.000 1.000	at \$5.00/HR	HRS 1,200.000 1,200.000	On-the-Job Training Apprentice at \$5.00/HR HRS	1,200.000
0108SPV.0060Special 02. Asphaltic Flume RestorationEACH20.00020.0000110SPV.0060Special 03. HMA Percent Within Limits (PWL) Test StripEACH1.0001.0000112SPV.0060Special 04. HMA Percent Withing Limits (PWL) TestEACH1.0001.000Strip Density	t \$5.00/HR	HRS 600.000 600.000	On-the-Job Training Graduate at \$5.00/HR HRS	600.000
O110 SPV.0060 Special 03. HMA Percent Within Limits (PWL) Test Strip EACH 1.000 1.000 O112 SPV.0060 Special 04. HMA Percent Withing Limits (PWL) Test EACH 1.000 1.000 Strip Density	aintenance	EACH 18.000 18.000	Special 01. Asphaltic Flumes Maintenance EACH	18.000
Volumetric 0112 SPV.0060 Special 04. HMA Percent Withing Limits (PWL) Test EACH 1.000 1.000 Strip Density	toration	EACH 20.000 20.000	Special 02. Asphaltic Flume Restoration EACH	20.000
Strip Density	Limits (PWL	_) Test Strip EACH 1.000 1.000		1.000
0114 SPV 0090 Special 01 Curb & Gutter Maintenance L.F. 2.700 000 2.700 000	g Limits (PW	/L) Test EACH 1.000 1.000		1.000
211 21 10000 Special VII Sale a Sale in maintenance	enance	LF 2,700.000 2,700.000	Special 01. Curb & Gutter Maintenance LF	2,700.000
0116 SPV.0090 Special 02. Curb & Gutter Restoration LF 445.000 445.000	ration	LF 445.000 445.000	Special 02. Curb & Gutter Restoration LF	445.000

BASE COURSE

STATION TO STATION LOCATION TON MGAL PROJECT 1500-72-60 577+00 - 595+00 USH 10 330 2 595+00 - 610+00 USH 10 270 2 610+00 - 625+00 USH 10 270 2 625+00 - 640+00 USH 10 270 2 640+00 - 655+00 USH 10 270 2 655+00 - 670+00 USH 10 270 2 670+00 - 685+00 USH 10 270 2 685+00 - 700+00 USH 10 270 2 685+00 - 700+00 USH 10 270 2 715+00 - 730+00 USH 10 270 2 730+00 - 745+00 USH 10 270 2 861+19 - 880+00 USH 10 270 2 880+00 - 895+00 USH 10 270 2 895+00 - 910+00 USH 10 270 2 910+00 - 925+00 USH 10 270 2 910+00 - 955+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
STATION TO STATION LOCATION TON MGAL PROJECT 1500-72-60 577+00 - 595+00 USH 10 330 2 595+00 - 610+00 USH 10 270 2 610+00 - 625+00 USH 10 270 2 625+00 - 640+00 USH 10 270 2 640+00 - 655+00 USH 10 270 2 655+00 - 670+00 USH 10 270 2 670+00 - 685+00 USH 10 270 2 685+00 - 700+00 USH 10 270 2 700+00 - 715+00 USH 10 270 2 715+00 - 730+00 USH 10 270 2 730+00 - 745+00 USH 10 270 2 861+19 - 880+00 USH 10 270 2 880+00 - 895+00 USH 10 270 2 880+00 - 910+00 USH 10 270 2 910+00 - 925+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
STATION TO STATION LOCATION TON MGAL PROJECT 1500-72-60 577+00 - 595+00 USH 10 330 2 595+00 - 610+00 USH 10 270 2 610+00 - 625+00 USH 10 270 2 640+00 - 655+00 USH 10 270 2 640+00 - 655+00 USH 10 270 2 655+00 - 670+00 USH 10 270 2 670+00 - 685+00 USH 10 270 2 685+00 - 700+00 USH 10 270 2 700+00 - 715+00 USH 10 270 2 715+00 - 730+00 USH 10 270 2 730+00 - 745+00 USH 10 270 2 745+00 - 759+19 USH 10 270 2 880+00 - 895+00 USH 10 270 2 880+00 - 895+00 USH 10 270 2 880+00 - 910+00 USH 10 270 2 910+00 - 925+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
PROJECT 1500-72-60 577+00 - 595+00 USH 10 330 2 595+00 - 610+00 USH 10 270 2 610+00 - 625+00 USH 10 270 2 625+00 - 640+00 USH 10 270 2 640+00 - 655+00 USH 10 270 2 655+00 - 670+00 USH 10 270 2 670+00 - 685+00 USH 10 270 2 685+00 - 700+00 USH 10 270 2 700+00 - 715+00 USH 10 270 2 715+00 - 730+00 USH 10 270 2 730+00 - 745+00 USH 10 270 2 745+00 - 759+19 USH 10 260 2 861+19 - 880+00 USH 10 340 2 880+00 - 895+00 USH 10 270 2 895+00 - 910+00 USH 10 270 2 910+00 - 925+00 USH 10 270 2 955+00 - 940+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
577+00 - 595+00 USH 10 330 2 595+00 - 610+00 USH 10 270 2 610+00 - 625+00 USH 10 270 2 625+00 - 640+00 USH 10 270 2 640+00 - 655+00 USH 10 270 2 655+00 - 670+00 USH 10 270 2 670+00 - 685+00 USH 10 270 2 685+00 - 700+00 USH 10 270 2 700+00 - 715+00 USH 10 270 2 715+00 - 730+00 USH 10 270 2 745+00 - 745+00 USH 10 270 2 861+19 - 880+00 USH 10 340 2 895+00
595+00 - 610+00 USH 10 270 2 610+00 - 625+00 USH 10 270 2 625+00 - 640+00 USH 10 270 2 640+00 - 655+00 USH 10 270 2 655+00 - 670+00 USH 10 270 2 670+00 - 685+00 USH 10 270 2 685+00 - 700+00 USH 10 270 2 700+00 - 715+00 USH 10 270 2 715+00 - 730+00 USH 10 270 2 730+00 - 745+00 USH 10 270 2 861+19 - 880+00 USH 10 340 2 880+00 - 895+00 USH 10 270 2 910+00
610+00 - 625+00
625+00 - 640+00 USH 10 270 2 640+00 - 655+00 USH 10 270 2 655+00 - 670+00 USH 10 270 2 670+00 - 685+00 USH 10 270 2 685+00 - 700+00 USH 10 270 2 700+00 - 715+00 USH 10 270 2 715+00 - 730+00 USH 10 270 2 730+00 - 745+00 USH 10 270 2 745+00 - 759+19 USH 10 260 2 861+19 - 880+00 USH 10 340 2 880+00 - 895+00 USH 10 270 2 910+00 - 910+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 955+00 - 970+00 USH 10
640+00 - 655+00 USH 10 270 2 655+00 - 670+00 USH 10 270 2 670+00 - 685+00 USH 10 270 2 685+00 - 700+00 USH 10 270 2 700+00 - 715+00 USH 10 270 2 715+00 - 730+00 USH 10 270 2 730+00 - 745+00 USH 10 270 2 745+00 - 759+19 USH 10 260 2 861+19 - 880+00 USH 10 340 2 880+00 - 895+00 USH 10 270 2 895+00 - 910+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 940+00 - 955+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10
655+00 - 670+00 USH 10 270 2 670+00 - 685+00 USH 10 270 2 685+00 - 700+00 USH 10 270 2 700+00 - 715+00 USH 10 270 2 715+00 - 730+00 USH 10 270 2 730+00 - 745+00 USH 10 270 2 745+00 - 759+19 USH 10 260 2 861+19 - 880+00 USH 10 340 2 880+00 - 895+00 USH 10 270 2 895+00 - 910+00 USH 10 270 2 910+00 - 925+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10
670+00 - 685+00 USH 10 270 2 685+00 - 700+00 USH 10 270 2 700+00 - 715+00 USH 10 270 2 715+00 - 730+00 USH 10 270 2 730+00 - 745+00 USH 10 270 2 745+00 - 759+19 USH 10 260 2 861+19 - 880+00 USH 10 340 2 880+00 - 895+00 USH 10 270 2 895+00 - 910+00 USH 10 270 2 910+00 - 925+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 940+00 - 955+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10
685+00 - 700+00 USH 10 270 2 700+00 - 715+00 USH 10 270 2 715+00 - 730+00 USH 10 270 2 730+00 - 745+00 USH 10 270 2 745+00 - 759+19 USH 10 260 2 861+19 - 880+00 USH 10 340 2 880+00 - 895+00 USH 10 270 2 895+00 - 910+00 USH 10 270 2 910+00 - 925+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 940+00 - 955+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00
700+00 - 715+00 USH 10 270 2 715+00 - 730+00 USH 10 270 2 730+00 - 745+00 USH 10 270 2 745+00 - 759+19 USH 10 260 2 861+19 - 880+00 USH 10 340 2 880+00 - 895+00 USH 10 270 2 895+00 - 910+00 USH 10 270 2 910+00 - 925+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 940+00 - 955+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
715+00 - 730+00 USH 10 270 2 730+00 - 745+00 USH 10 270 2 745+00 - 759+19 USH 10 260 2 861+19 - 880+00 USH 10 340 2 880+00 - 895+00 USH 10 270 2 895+00 - 910+00 USH 10 270 2 910+00 - 925+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 940+00 - 955+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
730+00 - 745+00 USH 10 270 2 745+00 - 759+19 USH 10 260 2 861+19 - 880+00 USH 10 340 2 880+00 - 895+00 USH 10 270 2 895+00 - 910+00 USH 10 270 2 910+00 - 925+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 940+00 - 955+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
745+00 - 759+19 USH 10 260 2 861+19 - 880+00 USH 10 340 2 880+00 - 895+00 USH 10 270 2 895+00 - 910+00 USH 10 270 2 910+00 - 925+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 940+00 - 955+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
861+19 - 880+00 USH 10 340 2 880+00 - 895+00 USH 10 270 2 895+00 - 910+00 USH 10 270 2 910+00 - 925+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 940+00 - 955+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
880+00 - 895+00 USH 10 270 2 895+00 - 910+00 USH 10 270 2 910+00 - 925+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 940+00 - 955+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
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910+00 - 925+00 USH 10 270 2 925+00 - 940+00 USH 10 270 2 940+00 - 955+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
925+00 - 940+00 USH 10 270 2 940+00 - 955+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
940+00 - 955+00 USH 10 270 2 955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
955+00 - 970+00 USH 10 270 2 970+00 - 985+00 USH 10 270 2
970+00 - 985+00 USH 10 270 2
985+00 - 1000+00 USH 10 270 2
1000+00 - 1015+00 USH 10 270 2
1015+00 - 1030+00 USH 10 270 2
1030+00 - 1045+00 USH 10 270 2
1045+00 - 1060+00 USH 10 270 2
1060+00 - 1075+00 USH 10 270 2
1075+00 - 1090+00 USH 10 270 2
1090+00 - 1105+00 USH 10 270 2
1105+00 - 1119+83 USH 10 270 2
PROJECT TOTAL 7,950 48

CONCRETE CURB AND GUTTER

			204.0110	204.0150	601.0553	650.5500 CONSTRUCTION	690.0150 *	690.0250
			REMOVING ASPHALTIC SURFACE	REMOVING CURB & GUTTER	GUTTER 4-INCH	STAKING CURB GUTTER AND CURB & GUTTER	SAWING ASPHALT	SAWING CONCRETE
STATION TO STATIO	N DIR	LOCATION	SY	LF	LF	LF	LF	LF
PROJECT 1500-72-6	0							
593+14 - 593+30	RT	USH 10	7	32	32		36	6
613+23 - 613+28	RT	USH 10	3	12	12		16	6
667+14 - 667+22	LT	USH 10	6	26	26		30	6
667+87 - 668+01	LT	USH 10	3	15	15		19	6
728+02 - 728+28	LT	USH 10	7	30	30		34	6
729+48 - 729+56	RT	USH 10	10	43	43		47	6
754+68 - 754+88	R/L	USH 10	4	20	20		24	6
754+90 - 754+97	RT	USH 10	3	15	15		19	6
755+47 - 755+54	RT	USH 10	6	25	25		29	6
897+75 - 897+90	LT	USH 10	3	15	15		19	6
898+33 - 898+38	LT	USH 10	3	15	15		19	6
954+07 - 955+00	LT	USH 10	28	125	125	125	129	6
984+38 - 984+55	RT	USH 10	4	17	17		21	6
985+32 - 985+58	RT	USH 10	7	30	30		34	6
1013+89 - 1014+05	RT	USH 10	6	25	25		29	6
	PRO	JECT TOTALS	100	445	445	125	505	90

^{*} ADDITIONAL QUANTITIES SHOWN IN SAWING TABLE

CONCRETE SIDEWALK

				602.0405	602.0505								
				CONCRETE	CURB RAMP								
				SIDEWALK	DETECTABLE WARNING								
				4-INCH	FIELD YELLOW								
STATION TO S	STATION	DIR	LOCATION	SF	SF								
PROJECT 1500	-72-60												
602+80 -	602+95	RT	USH 10	50	20								
602+95 -	2+95 - 603+10 L		USH 10	50	20								
		PRO	100	40									

PREPARE FOUNDATION FOR ASPHALTIC PAVING <u>1500-72-60</u>

			211.0100							
				PREPARE FOUNDATION FOR ASPHALTIC PAVING 1500-72-60						
STATION	то	STATION	LOCATION	LS						
CATEGORY 0010										
577+25	_	1119+83	STH 13	1						
PROJECT TOTALS 1										

MARKERS CULVERT ENDS

			633.5200
			MARKERS
			CULVERT ENDS
STATION	DIR	LOCATION	EACH
PROJECT 1	1500-72	2-60	_
603+00	RT	USH 10	1
603+25	LT	USH 10	1
667+25	LT	USH 10	1
1038+75	RT	USH 10	1
1069+25	LT	USH 10	1
1069+50	RT	USH 10	1
1070+25	LT	USH 10	1
1070+50	RT	USH 10	1
·	DDO:	TOTAL C	0

PROJECT TOTALS

ADJUSTING STEEL PLATE BEAM GUARD

					614.0400	614.0950	614.0951			
					ADJUSTING	REPLACING	REPLACING			
					STEEL PLATE	GUARDRAIL POSTS	GUARDRAIL RAIL			
					BEAM GUARD	& BLOCKS	& HARDWARE			
STATION	то	STATION	DIR	LOCATION	LF	EACH	LF			
PROJECT 1500-72-60										
877+20 - 879+75 RT			USH 10	250						
877+88	-	880+18	LT	USH 10	225					
956+17	-	956+76	RT	USH 10	90					
1090+55	-	1092+60	RT	USH 10	200					
1091+01	-	1092+53	LT	USH 10	150					
1102+82	-	1105+36	LT	USH 10	250					
1102+91	-	1105+45	RT	USH 10	250					
UN	IDIS	TRIBUTED		USH 10		5	50			
		•	PRO.	JECT TOTALS	1,415	1,415 5				

ADJUSTING INLET COVERS

			611.8115								
			ADJUSTING								
			INLET COVERS								
STATION	DIR	LOCATION	EACH								
PROJECT 1500-72-60											
593+25	LT	USH 10 EB	1								
	PROJECT TOTALS 1										

HWY: USH 10 COUNTY:CALUMET

MISCELLANEOUS QUANTITIES

SHEET

FILE NAME: F:\TR\JOBS\E2285A17\Civil 3D 2016\SheetsPlan\15007260-030201-mq.ppt

PROJECT NO: 1500-72-60

ORIGINATOR: OMNNI ASSOCIATES

ORIG. DATE: August 17, 2015

ASPHALTIC ITEMS

				204.0115	204.0120			НМА		460.4110.S	465.0110	465.0315	465.0475
				REMOVING	REMOVING	455.0605	PAVEN	MENT 4 MT 58	-28 S	REHEATING HMA			ASPHALTIC
				ASPHALTIC	ASPHALTIC			PWL	PWL	PAVEMENT	ASPHALTIC	ASPHALTIC	CENTERLINE
				SURFACE BUTT	SURFACE						SURFACE PATCHING	FLUMES	RUMBLE STRIPS
				JOINTS	MILLING	TACK		DENSITY	AIR	LONGITUDINAL	1711 6112116		2-LANE RURAL
						COAT	460.6224	INCENTIVE	VOIDS	JOINTS			
STATION	TO	STATION	LOCATION	SY	SY	GAL	TON	TON *	TON **	LF	TON	SY	LF
577+00	-	595+00	USH 10	20	8,190	570	940	550	690	1,800			1,400
595+00	-	610+00	USH 10		5,440	380	630	460	580	1,500			1,500
610+00	-	625+00	USH 10	7	6,110	430	700	460	580	1,500			1,100
625+00	-	640+00	USH 10	7	6,390	450	730	460	580	1,500			1,100
640+00	-	655+00	USH 10		5,000	350	580	460	580	1,500			1,500
655+00	-	670+00	USH 10	13	5,950	420	680	460	580	1,500		20	1,100
670+00	-	685+00	USH 10		5,000	350	580	460	580	1,500			1,500
685+00	-	700+00	USH 10		5,100	360	590	460	580	1,500		27	1,500
700+00	-	715+00	USH 10	13	6,170	430	710	460	580	1,500			1,100
715+00	-	730+00	USH 10	13	6,030	420	690	460	580	1,500		13	1,100
730+00	-	745+00	USH 10		5,080	360	580	460	580	1,500			1,500
745+00	_	759+19	USH 10	20	7,500	520	860	440	540	1,419		13	325
861+19	_	880+00	USH 10	7	6,760	470	780	580	720	1,881			1,881
880+00	_	895+00	USH 10		5,070	350	580	460	580	1,500			1,500
895+00	_	910+00	USH 10	13	6,000	420	690	460	580	1,500		7	1,100
910+00	-	925+00	USH 10		5,000	350	580	460	580	1,500			1,500
925+00	-	940+00	USH 10		5,000	350	580	460	580	1,500			1,500
940+00	-	955+00	USH 10		5,250	370	600	460	580	1,500			1,500
955+00	-	970+00	USH 10	13	6,040	420	690	460	580	1,500		13	1,100
970+00	-	985+00	USH 10		5,250	370	600	460	580	1,500			1,300
985+00	-	1000+00	USH 10	7	5,290	370	610	460	580	1,500			1,300
1000+00	-	1015+00	USH 10	13	6,020	420	690	460	580	1,500			1,100
1015+00	-	1030+00	USH 10		5,140	360	590	460	580	1,500		20	1,500
1030+00	-	1045+00	USH 10		5,000	350	580	460	580	1,500			1,500
1045+00	-	1060+00	USH 10		5,000	350	580	460	580	1,500			1,500
1060+00	-	1075+00	USH 10	13	5,910	410	680	460	580	1,500		20	1,100
1075+00	-	1090+00	USH 10		5,020	350	580	460	580	1,500			1,500
1090+00	_	1105+00	USH 10		5,910	410	680	460	580	1,500			1,500
1105+00	-	1119+83	USH 10	7	5,100	360	590	450	570	1,483			1,483
	UND]	STRIBUTE									400		
		PROJ	ECT TOTAL	167	164,720	11,520	18,950	13,520	17,020	44,083	400	133	38,589

MAINTENANCE & REPAIR OF HAUL ROADS 1500-72-60

				618.0100				
				MAINTENANCE &				
				REPAIR OF HAUL				
				ROADS				
STATION	то	STATION	LOCATION	EACH				
PROJECT 1500-72-60								
577+00	-	1119+83	USH 10	1				

MOBILIZATION

				619.0100				
				MOBILIZATION				
STATION	то	STATION	LOCATION	EACH				
PROJECT 1500-72-60								
577+00	-	1119+83	USH 10	1				
		1						

PROJECT TOTALS

PROJECT NO: 1500-72-60 HWY: USH 10 COUNTY: CALUMET MISCELLANEOUS QUANTITIES SHEET E

^{*} Tonnage is eligible for Incentive Density PWL 460.2005 and Incentive Air Voids 460.2010.

^{**} Tonage is eligible for Incentive Air Voids 460.2010 and density is tested for acceptance in those areas.

TRAFFIC CONTROL

LOCATION	ROADWAY	TRAFFIC CONTROL DRUMS APPROX. SERVICE PERIOD DAYS	643. TRAFFIC DRU NO.		TRAFFIC CONTROL SIGNS PCMS SERVICE PERIOD DAYS	TRAFFIC	.1050 C CONTROL S PCMS DAYS	TRAFFIC CONTROL SIGNS APPROX. SERVICE PERIOD DAYS	TR CO	3.0900 AFFIC NTROL IGNS DAYS	REMARKS
PROJECT 1500-72-60											
BEGIN PROJECT	USH 10	0	0	0	7	1	7	40	7	280	SEE SDD 15C4-4 & SDD 15D39-1 TWO-WAY TWO LANE
CHURCH ST.	USH 10	10	10	100	0	0	0	40	5	200	SEE SDD 15C4-4, TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL & SDD 15D28-3
RANHDOLPH ST.	USH 10	10	10	100	0	0	0	40	3	120	SEE SDD 15C4-4, TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL & SDD 15D28-3
RUSCH RD.	USH 10	10	10	100	0	0	0	40	2	80	SEE SDD 15C4-4, TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL & SDD 15D28-3
KEUER RD.	USH 10	10	10	100	0	0	0	40	6	240	SEE SDD 15C4-4, TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL & SDD 15D28-3
HARVESTORE RD.	USH 10	10	10	100	0	0	0	40	4	160	SEE SDD 15C4-4, TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL & SDD 15D28-3
BASTAIN RD.	USH 10	10	10	100	0	0	0	40	6	240	SEE SDD 15C4-4, TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL & SDD 15D28-3
HACKER RD.	USH 10	10	10	100	0	0	0	40	6	240	SEE SDD 15C4-4, TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL & SDD 15D28-3
END CONSTRUCTION	USH 10	0	0	0	0	0	0	40	7	280	SEE SDD 15C4-4 & SDD 15D39-1 TWO-WAY TWO LANE
BEGIN CONSTRUCTION	USH 10	0	0	0	0	0	0	40	7	280	SEE SDD 15C4-4 & SDD 15D39-1 TWO-WAY TWO LANE
LONG LAKE RD.	USH 10	10	10	100	0	0	0	40	5	200	SEE SDD 15C4-4, TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL & SDD 15D28-3
OAKWOOD RD.	USH 10	10	10	100	0	0	0	40	5	200	SEE SDD 15C4-4, TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL & SDD 15D28-3
MILLER RD.	USH 10	10	10	100	0	0	0	40	3	120	SEE SDD 15C4-4, TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL & SDD 15D28-3
HICKORY HILLS RD.	USH 10	10	10	100	0	0	0	40	5	200	SEE SDD 15C4-4, TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL & SDD 15D28-3
MAPLE ROCK RD.	USH 10	10	10	100	0	0	0	40	4	160	SEE SDD 15C4-4, TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL & SDD 15D28-3
END PROJECT	USH 10	0	0	0	7	1	7	40	7	280	SEE SDD 15C4-4 & SDD 15D39-1 TWO-WAY TWO LANE
BEAM GUARD AREAS	USH 10	7	10	70	0	0	0	40	7	280	SEE SDD 15D28-3

PROJECT TOTALS 1270 14 3,560

TRAFFIC CONTROL

	643.5000
PROJECT	TRAFFIC
i koszer	CONTROL
	EA
CATEGORY 0010	
1500-72-60	1

PROJECT NO: 1500-72-60 HWY: USH 10 COUNTY: CALUMET MISCELLANEOUS QUANTITIES SHEET E

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FAVEMENT MARKING												
		646.4520	646.	1020	646.3020	646.5020	646.5120	646.8120	646.8220	646.8020	648.0100	649.0105
		MARKING LINE SAME DAY EPOXY 4-INCH	MARKIN EPOXY		MARKING LINE EPOXY 8-INCH	MARKING ARROW EPOXY	MARKING WORD EPOXY	MARKING CURB EPOXY	MARKING ISLAND NOSE EPOXY	MARKING CORRUGATED MEDIAN EPOXY	LOCATING NO-PASSING ZONES	TEMPORARY MARKING LINE PAINT 4-INCH
		(YELLOW)	(WHITE)	(YELLOW)	(WHITE)	(WHITE)	(WHITE)	(YELLOW)	(YELLOW)	(YELLOW)		(YELLOW)
STATION TO STATION	LOCATION	LF	LF	LF	LF	EACH	EACH	LF	EACH	SF	MI	LF
PROJECT 1500-72-60												
577+00 - 595+00	USH 10	1,930	3,600	1,930	350						0.34	1,930
595+00 - 610+00	USH 10	1,560	3,000	1,560							0.28	1,560
610+00 - 625+00	USH 10	2,360	3,000	2,360	100						0.28	2,360
625+00 - 640+00	USH 10	3,000	3,000	3,000	200						0.28	3,000
640+00 - 655+00	USH 10	3,000	3,000	3,000							0.28	3,000
655+00 - 670+00	USH 10	2,360	3,000	2,360							0.28	2,360
670+00 - 685+00	USH 10	600	3,000	600							0.28	600
685+00 - 700+00	USH 10	380	3,000	380							0.28	380
700+00 - 715+00	USH 10	380	3,000	380							0.28	380
715+00 - 730+00	USH 10	380	3,000	380							0.28	380
730+00 - 745+00	USH 10	580	3,000	580							0.28	580
745+00 - 759+19	USH 10	480	2,838	480	625	4	2	20	2	1,840	0.27	480
861+19 - 880+00	USH 10	2,720	3,762	2,720							0.36	2,720
880+00 - 895+00	USH 10	1,350	3,000	1,350							0.28	1,350
895+00 - 910+00	USH 10	3,000	3,000	3,000							0.28	3,000
910+00 - 925+00	USH 10	1,840	3,000	1,840							0.28	1,840
925+00 - 940+00	USH 10	1,950	3,000	1,950							0.28	1,950
940+00 - 955+00	USH 10	2,930	3,000	2,930							0.28	2,930
955+00 - 970+00	USH 10	1,190	3,000	1,190							0.28	1,190
970+00 - 985+00	USH 10	380	3,000	380							0.28	380
985+00 - 1000+00	USH 10	380	3,000	380							0.28	380
1000+00 - 1015+00	USH 10	1,180	3,000	1,180							0.28	1,180
1015+00 - 1030+00	USH 10	2,850	3,000	2,850							0.28	2,850
1030+00 - 1045+00	USH 10	2,000	3,000	2,000							0.28	2,000
1045+00 - 1060+00	USH 10	1,080	3,000	1,080							0.28	1,080
1060+00 - 1075+00	USH 10	880	3,000	880							0.28	880
1075+00 - 1090+00	USH 10	380	3,000	380							0.28	380
1090+00 - 1105+00	USH 10	380	3,000	380							0.28	380
1105+00 - 1119+83	USH 10	370	2,966	370							0.28	370
P	ROJECT TOTALS	41,870	130	,036	1,275	4	2	20	2	1,840	8.35	41,870

PAVEMENT MARKING

NOTE: TEMPORARY PAVEMENT MARKING PAINT APPLIED TO MILLED SURFACE

NOTE: PAVEMENT MARKING SAME DAY EPOXY FOR APPLICATION BEFORE CENTER LINE RUMBLE STRIP PLACED

NOTE: PAVEMENT MARKING EPOXY 4-INCH (YELLOW) FOR APPLICATION AFTER CENTER LINE RUMBLE STRIP PLACED

CONSTRUCTION STAKING

		650.8000
		CONSTRUCTION STAKING
		RESURFACING
		REFERENCE
CTATTON TO CTATTO	N LOCATION	
PROJECT 1500-72-6	-	LF
577+00 - 595+00		1800
595+00 - 610+00		1500
610+00 - 625+00		1500
625+00 - 640+00		1500
640+00 - 655+00		1500
000.00		1500
670+00 - 685+00 685+00 - 700+00		1500
		1500
700+00 - 715+00		1500
715+00 - 730+00		1500
730+00 - 745+00		1500
745+00 - 759+19		1419
861+19 - 880+00		1881
880+00 - 895+00	•	1500
895+00 - 910+00		1500
910+00 - 925+00		1500
925+00 - 940+00		1500
940+00 - 955+00		1500
955+00 - 970+00		1500
970+00 - 985+00		1500
985+00 - 1000+00		1500
1000+00 - 1015+00	0 USH 10	1500
1015+00 - 1030+00	0 USH 10	1500
1030+00 - 1045+00	0 USH 10	1500
1045+00 - 1060+00		1500
1060+00 - 1075+00	0 USH 10	1500
1075+00 - 1090+00	0 USH 10	1500
1090+00 - 1105+0	0 USH 10	1500
1105+00 - 1119+8	3 USH 10	1483
	PROJECT TOTAL	44,083

TEMPORARY PORTABLE RUMBLE STRIPS

	643.0310.s			
PROJECT	TEMPORARY PORTABLE			
I KOSECI	RUMBLE STRIPS			
	LS			
1500-72-60	1			

PROJECT TOTAL

CONSTRUCTION STAKING SUPPLEMENTAL **CONTROL 1500-72-60**

1

1

	650.9910
	CONSTRUCTION STAKING
PROJECT	SUPPLEMENTAL CONTROL
	1500-72-60
	LS
1500-72-60	1

PROJECT TOTAL

PROJECT NO: 1500-72-60 HWY: USH 10 COUNTY:CALUMET MISCELLANEOUS QUANTITIES SHEET

MAINTENANCE

				SPV.0060.01	SPV.0090.01
				ASPHALTIC	CURB AND
				FLUME	GUTTER
				MAINTENANCE	MAINTENANCE
STATION TO		DIR	LOCATION	EACH	LF
PROJECT 15					Г
577+00 -	595+00		USH 10	2	225
595+00 -	610+00		USH 10		
610+00 -	625+00		USH 10	2	140
625+00 -	640+00		USH 10	2	150
640+00 -	655+00		USH 10		
655+00 -	670+00		USH 10	1	220
670+00 -	685+00		USH 10		
685+00 -	700+00		USH 10		
700+00 -	715+00		USH 10		310
715+00 -	730+00		USH 10	2	200
730+00 -	745+00		USH 10	2	
745+00 -	759+19		USH 10		265
861+19 -	880+00		USH 10		
880+00 -	895+00		USH 10		
895+00 -	910+00		USH 10	2	230
910+00 -	925+00		USH 10		
925+00 -	940+00		USH 10		
940+00 -	955+00		USH 10		
955+00 -	970+00		USH 10	1	215
970+00 -	985+00		USH 10		75
985+00 -	1000+00		USH 10	2	40
1000+00 -	1015+00		USH 10	1	345
1015+00 -	1030+00		USH 10		
1030+00 -	1045+00		USH 10		
1045+00 -	1060+00		USH 10		
1060+00 -	1075+00		USH 10	1	285
1075+00 -	1090+00		USH 10		
1090+00 -	1105+00		USH 10		
1105+00 -	1119+83		USH 10		
TT03+00 -	TTT3+03	DDC	JECT TOTAL	18	2,700

ASPHALTIC FLUME RESTORATION

			SPV.0060.02	*	*	*	*
			ASPHALTIC FLUME RESTORATION	TOPSOIL	FERTILIZER TYPE B	SEEDING MIXTURE NO. 30	EROSION MAT CLASS I TYPE A
STATION TO S	TATION	LOCATION	EACH	SY	CWT	LB	SY
PROJECT 1500-	72-60						
655+00 - 6	670+00	USH 10	3	40	0.03	1	40
685+00 - 7	700+00	USH 10	4	53	0.03	1	53
715+00 - 7	730+00	USH 10	2	27	0.02	1	27
745+00 - 7	759+19	USH 10	2	27	0.02	1	27
895+00 - 9	910+00	USH 10	1	13	0.01	1	13
955+00 - 9	970+00	USH 10	2	27	0.02	1	27
1015+00 - 1	.030+00	USH 10	3	40	0.03	1	40
1060+00 - 1	.075+00	USH 10	3	40	0.03	1	40
	PROJ	ECT TOTALS	20	267	0.17	8	267

SAW CUTTING

				690.0150 *
				SAWING
				ASPHALT
STATION	то	STATION	LOCATION	LF
PROJECT	150	00-72-60	•	
577+25	-	595+00	USH 10	80
610+00	-	625+00	USH 10	30
625+00	-	640+00	USH 10	30
655+00	-	670+00	USH 10	50
700+00	-	715+00	USH 10	50
715+00	-	730+00	USH 10	50
745+00	-	759+19	USH 10	80
861+19	-	880+00	USH 10	30
895+00	-	910+00	USH 10	50
955+00	-	970+00	USH 10	50
985+00	-	1000+00	USH 10	30
1000+00	-	1015+00	USH 10	50
1060+00	-	1075+00	USH 10	50
1105+00	_	1119+83	USH 10	30
				CC0

PROJECT TOTAL 660

HMA PAVEMENT PWL

		SPV.0060.03	SPV.0060.04			
		HMA PERCENT WITHIN	HMA PERCENT WITHIN			
		LIMITS (PWL) TEST	LIMITS (PWL) TEST			
		STRIP VOLUMETRICS	STRIP DENSITY			
STATION TO STATION	LOCATION	EACH	EACH			
PROJECT 1500-72-60						
577+25 - 1119+83	USH 10	1	1			
	PROJECT TOTAL	1	1			

CURB & GUTTER RESTORATION

					SPV.0090.02	*	*	*	*
					CURB AND GUTTER RESTORATION	SALVAGED TOPSOIL	FERTILIZER TYPE B	SEEDING MIXTURE NO. 30	EROSION MAT CLASS I TYPE A
STATION	то	STATION	DIR	LOCATION	LF	SY	CWT	LB	SY
PROJECT :	150	0-72-60							
593+14	-	593+30	RT	USH 10	32	7	0.01	0.2	7
613+23	-	613+28	RT	USH 10	12	3	0.01	0.1	3
667+14	-	667+22	LT	USH 10	26	6	0.01	0.2	6
667+87	-	668+01	LT	USH 10	15	3	0.01	0.1	3
728+02	-	728+28	LT	USH 10	30	7	0.01	0.2	7
729+48	-	729+56	RT	USH 10	43	10	0.01	0.3	10
754+68	-	754+88	R/L	USH 10	20	4	0.01	0.1	4
754+90	-	754+97	RT	USH 10	15	3	0.01	0.1	3
755+47	-	755+54	RT	USH 10	25	6	0.01	0.2	6
897+75	-	897+90	LT	USH 10	15	3	0.01	0.1	3
898+33	-	898+38	LT	USH 10	15	3	0.01	0.1	3
954+07	-	955+00	LT	USH 10	125	28	0.02	0.8	28
984+38	-	984+55	RT	USH 10	17	4	0.01	0.1	4
985+32	-	985+58	RT	USH 10	30	7	0.01	0.2	7
1013+89	-	1014+05	RT	USH 10	25	6	0.01	0.2	6
	-	01FCT TO	TAL C		445	00	0.16	2	00

PROJECT TOTALS

445

9 0.16 3

3 99

PROJECT NO: 1500-72-60 HWY: USH 10 COUNTY: CALUMET MISCELLANEOUS QUANTITIES SHEET E

* QUANTITIES ARE FOR INFORMATION ONLY

^{*} ADDITIONAL QUANTITIES SHOWN IN CURB & GUTTER TABLE

^{*} QUANTITIES ARE FOR INFORMATION ONLY

QUARTITIES ARE TOR IN ORDER OF

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

		1	1	007 0040	007 0000		
				637. 2210	637. 2230	638. 2602	
				SIGNS	SI GNS	REMOVI NG	
				TYPE II	TYPE II	SIGNS	
					REFLECTI VE	TYPE II	
SI GN		SIGN		TYPE H	TYPE F		
NO.	LOCATI ON	CODE	WXH	S. F.	S. F.	EACH	REMARKS
1	USH 10, W. OF CHURCH ST	W14-3	48" X 36"		5. 56	1	
2	II .	R2-1	24" X 30"	5. 00		1	45 MPH
3	CHURCH ST	R1-1	30" X 30"	5. 18		1	
4	II.	R1-1	30" X 30"	5. 18		1	
5	USH 10, E. OF CHURCH ST	R2-1	24" X 30"	5. 00		1	45 MPH
6	II .	R2-1	24" X 30"	5. 00		1	55 MPH
7	II .	W14-3	48" X 36"		5. 56	1	
8	II .	W3-5	36" X 36"		9. 00		45 MPH, MOUNT TO BACK OF SIGN 7
9	II .	W11-8	30" X 30"		6. 25	1	
10	ti .	D1-1	84" X 15"	8. 75		1	SEE SIGN DETAILS
11	RANDOLPH ST	R1-1	30" X 30"	5. 18		1	
12	USH 10, E. OF RANDOLPH ST	I 2-3	72" X 24"	12. 00		1	SEE SIGN DETAILS
13	11	D1-1	84" X 15"	8. 75		1	SEE SIGN DETAILS
14	п	W11-8	30" X 30"		6. 25	1	
15	п	D1- 1	72" X 15"	7. 50		1	SEE SIGN DETAILS
16	RUSCH RD	R1-1	30" X 30"	5. 18		1	
17	USH 10, E. OF RUSCH RD	D1- 1	72" X 15"	7. 50		1	SEE SIGN DETAILS
18	USH 10, W. OF KEUER RD	D1-61	54" X 24"	9. 00		1	SEE SIGN DETAILS
19	KEUER RD	R1-1	30" X 30"	5. 18		1	
20	п	R1-1	30" X 30"	5. 18		1	
21	USH 10, E. OF KEUER RD	D1-61	54" X 24"	9. 00		1	SEE SIGN DETAILS
22	II.	D1-61	78" X 24"	13. 00		1	SEE SIGN DETAILS
23	HARVESTORE RD	R1-1	30" X 30"	5. 18		1	
24	n .		30" X 30"			1	
25	USH 10, E. OF HARVESTORE RD	D1-61	78" X 24"	13. 00		1	SEE SIGN DETAILS
26	u u	D1-61	60" X 24"	10. 00		1	SEE SIGN DETAILS
27	BASTI AN RD	R1-1	30" X 30"	5. 18		1	
28	II III	R1-1	30" X 30"	5. 18		1	
29	USH 10, E. OF BASTIAN RD	W3-5	36" X 36"		9. 00		50 MPH
30	"	D1-61	60" X 24"	10. 00		1	SEE SIGN DETAILS
31	11	R2-1	24" X 30"	5. 00		1	50 MPH
32	11	W14-3	48" X 36"		5. 56	1	OO MAH
33	п	W3-5	36" X 36"		9. 00		55 MPH, MOUNT TO BACK OF SIGN 32
34	II .	J1-1	24" X 39"	6. 50		1	SEE PLAN SHEET
34A	11	D2-1	78" X 15"	8. 13		1	SEE FLAN SHEET SEE SI GN DETAILS
35 35	n .	J4-1	24" X 36"	6. 00		1	SEE SIGN DETAILS SEE PLAN SHEET
33	PACE SURTOTALS	J4-1	1 64 A 30	200 93	56 18	33	SEE FLAN SHEET

PAGE SUBTOTALS 200. 93 56. 18 33

PROJECT NUMBER: 1500-72-60 HWY: USH 10 COUNTY: CALUMET MISCELLANEOUS QUANTITIES SHEET **E**

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

		I	Ī	007 0040	007 0000		
				637. 2210		638. 2602	
				SI GNS		REMOVI NG	
				TYPE II	TYPE II	SI GNS	
					REFLECTI VE	TYPE II	
SIGN		SI GN		TYPE H	TYPE F		
NO.	LOCATI ON	CODE	WXH	S. F.	S. F.	EACH	REMARKS
36	USH 10, W. OF CTH HR	R4-7	36" X 48"	12. 00		1	
37	II .	R5- 1	36" X 36"	9. 00		1	
38	II .	W6-3	36" X 36"		9. 00		MOUNT TO BACK OF SIGN 37
39	II .	R4-7	24" X 30"	5. 00			
40	II	J13-1	24" X 45"	7. 50		1	SEE PLAN SHEET
41	II	R5- 1	30" X 30"	6. 25			MOUNT TO BACK OF SIGN 40
42	HACKER RD	R1-1	30" X 30"	5. 18		1	
43	CTH HR	R1-1	36" X 36"	7. 46			
44	11	J13-1	24" X 45"	7. 50		1	SEE PLAN SHEET
45	USH 10, E. OF CTH HR	R5- 1	30" X 30"	6. 25		1	
46	п	J13-1	24" X 45"	7. 50			MOUNT TO BACK OF SIGN 45
47	п	R4- 7	24" X 30"	5. 00		1	
48	II.	R4- 7	24" X 30"	5. 00		1	
49A	II.	I 2- 3	60" X 24"	10. 00		1	SEE SIGN DETAILS
49	II.	J4- 1	24" X 36"	6. 00		1	
50	II .	R5- 1	30" X 30"	6. 25			MOUNT TO BACK OF SIGN 49
51	USH 10, W. OF LONG LAKE RD	J4- 1	24" X 36"	6. 00		1	SEE PLAN SHEET
52	II .	R2- 1	24" X 30"	5. 00		1	55 MPH
53	II.	R2- 1	24" X 30"	5. 00		1	35 MPH
54A	II.	I2-3	60" X 24"	10. 00		1	SEE SIGN DETAILS
54	II.	W3-5	36" X 36"		9. 00	1	35 MPH
55A	11	D2-3	84" X 36"	21. 00		1	SEE SIGN DETAILS
55	11	W14-3	48" X 36"		5. 56	1	
56	11	W14-3	48" X 36"		5. 56	1	
57	11		30" X 30"		6. 25	1	
58	п	W2-1	30" X 30"		6. 25	1	
59	п	I 2- 2	66" X 15"	6. 88		1	SEE SIGN DETAILS
60	LONG LAKE RD	R1-1	30" X 30"	5. 18		1	
61	II	R1-1	30" X 30"	5. 18		1	
62	11	R1-1	30" X 30"	5. 18		1	
63	USH 10, E. OF LONG LAKE RD	I 2- 2	78" X 15"	8. 13		1	SEE SIGN DETAILS
64	"	W1 - 2L	30" X 30"		6. 25	1	VALUE
65	П	S3-1	36" X 36"		9. 00	1	
66	ш	W14-3	48" X 36"		5. 56	1	
67	ш	W14-3	48" X 36"		5. 56	1	
68	ш	W2-1	30" X 30"		6. 25	1	
69	п	D1-61	66" X 24"	11. 00		1	SEE SIGN DETAILS
70	OAKWOOD RD	R1-1	30" X 30"	5. 18		1	OLL SIGN PLINILS
	PACE SURTOTALS	W1-1	100 A 30	100 61	71 21	<u> </u>	

PAGE SUBTOTALS 199. 61 74. 24 32

PROJECT NUMBER: 1500-72-60 HWY: USH 10 COUNTY: CALUMET MISCELLANEOUS QUANTITIES SHEET **E**

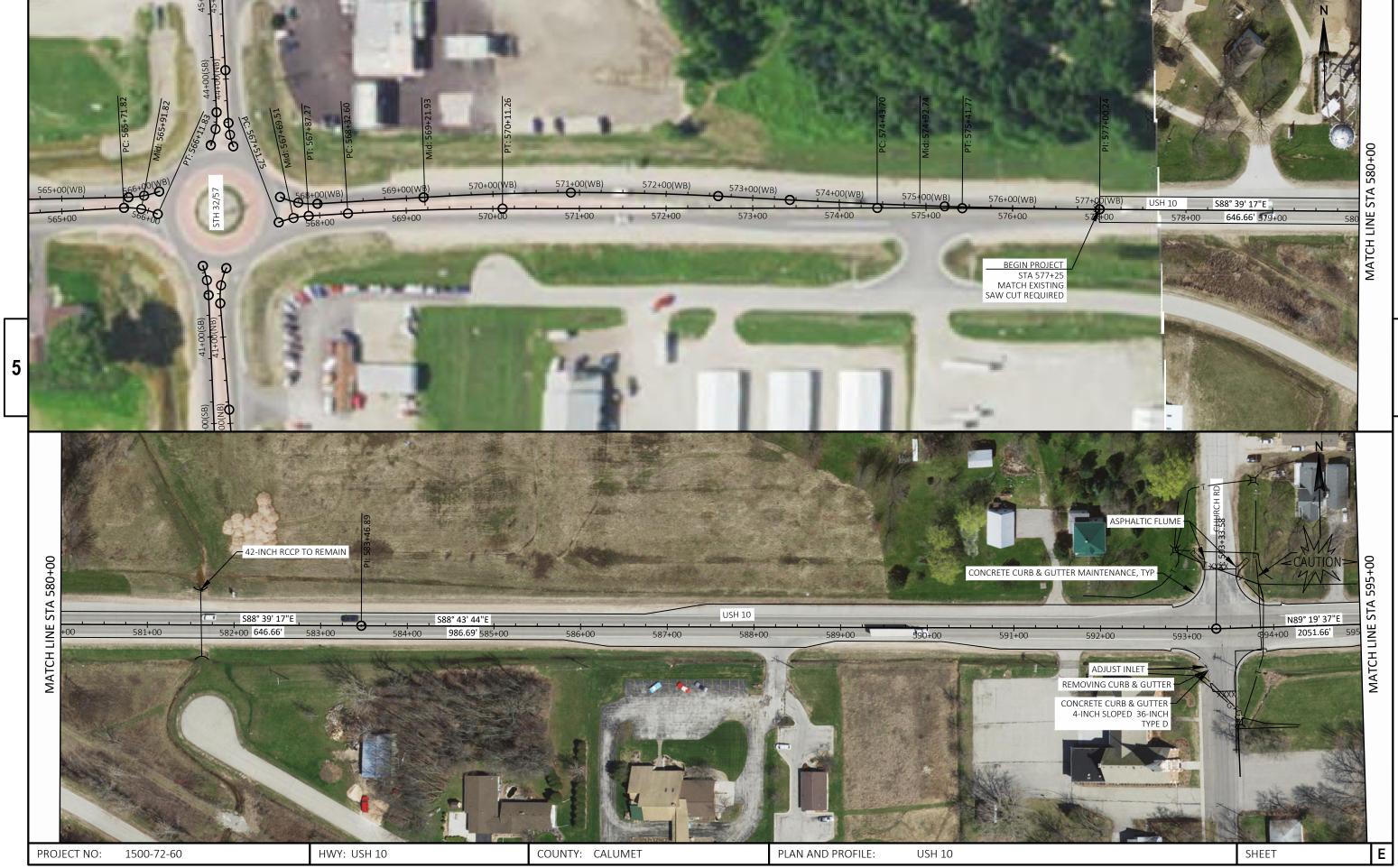
ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

		T					
				637. 2210		638. 2602	
				SI GNS	SI GNS	REMOVI NG	
				TYPE II	TYPE II	SI GNS	
				REFLECTI VE	REFLECTI VE	TYPE II	
SI GN		SIGN		TYPE H	TYPE F		
NO.	LOCATI ON	CODE	WXH	S. F.	S. F.	EACH	REMARKS
71	OAKWOOD RD	R1-1	30" X 30"	5. 18		1	
72	11	R1-1	30" X 30"	5. 18		1	
73	11	R1-1	30" X 30"	5. 18		1	
74	USH 10, E. OF OAKWOOD RD	W14-3	48" X 36"		5. 56	1	
75	11	D1-61	66" X 24"	11. 00		1	SEE SIGN DETAILS
76	MI LLER RD	R1-1	30" X 30"	5. 18		1	
77	USH 10, W. OF HICKORY HILLS RD	D1-61	90" X 24"	15. 00		1	SEE SIGN DETAILS
78	11	W14-3	48" X 36"		5. 56	1	
79	HI CKORY HILLS RD	R1-1	30" X 30"	5. 18		1	
80	11	R1-1	30" X 30"	5. 18		1	
81	USH 10, E. OF HICKORY HILLS RD	D1-61	90" X 24"	15. 00		1	SEE SIGN DETAILS
82	11	W14-3	48" X 36"		5. 56	1	
83	II	W14-3	48" X 36"		5. 56	1	
84	II	D1-61	84" X 24"	14. 00		1	SEE SIGN DETAILS
85	II	W14-3	48" X 36"		5. 56	1	
86	MAPLE ROCK RD	R1-1	30" X 30"	5. 18		1	
87	II	R1-1	30" X 30"	5. 18		1	
88	USH 10, E. OF MAPLE ROCK RD	D1-61	84" X 24"	14. 00		1	SEE SIGN DETAILS
89	11	W3-5	36" X 36"		9. 00	1	45 MPH
90	"	D2-2	78" X 24"	13. 00		1	SEE SIGN DETAILS

PAGE SUBTOTALS 123. 44 36. 80 20

PROJECT TOTALS 523. 98 167. 22 85

PROJECT NUMBER: 1500-72-60 HWY: USH 10 COUNTY: CALUMET MISCELLANEOUS QUANTITIES SHEET **E**





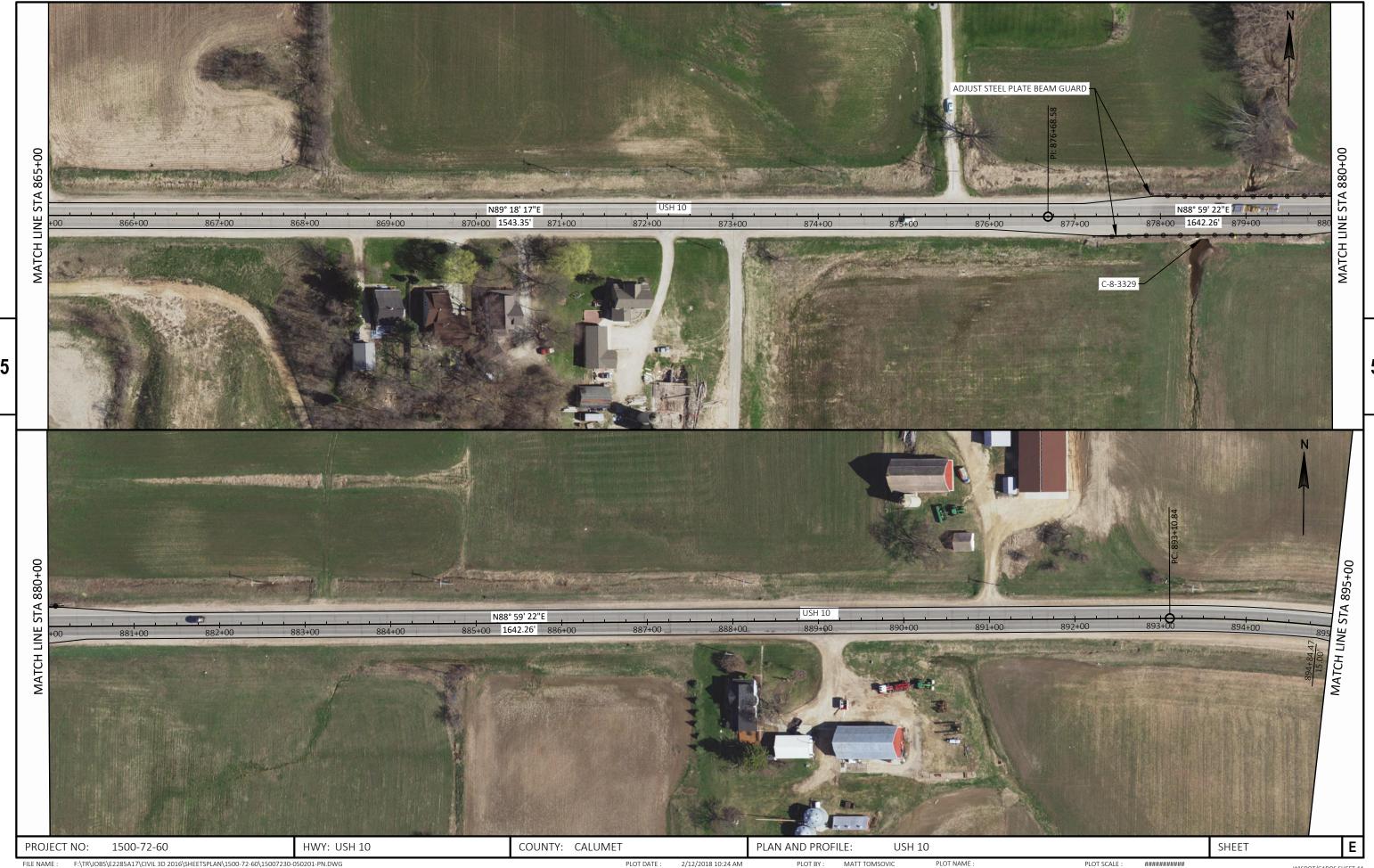












F:\TR\JOBS\E2285A17\CIVIL 3D 2016\SHEETSPLAN\1500-72-60\15007230-050201-PN.DWG LAYOUT NAME - 15007260-050221-pn PLOT NAME : PLOT DATE : 2/12/2018 10:24 AM PLOT BY: MATT TOMSOVIC PLOT SCALE : ########### WISDOT/CADDS SHEET 44



WISDOT/CADDS SHEET 44

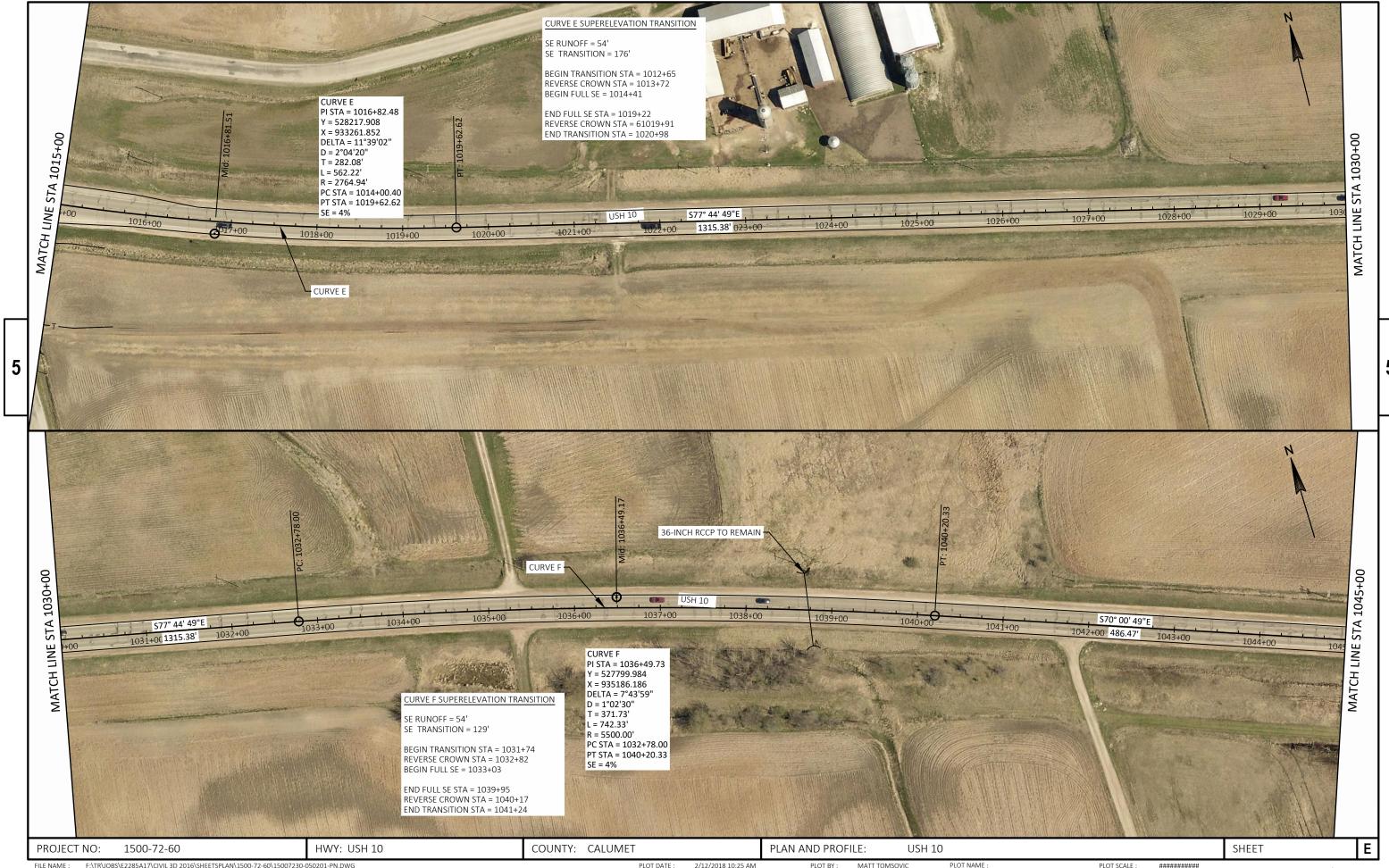


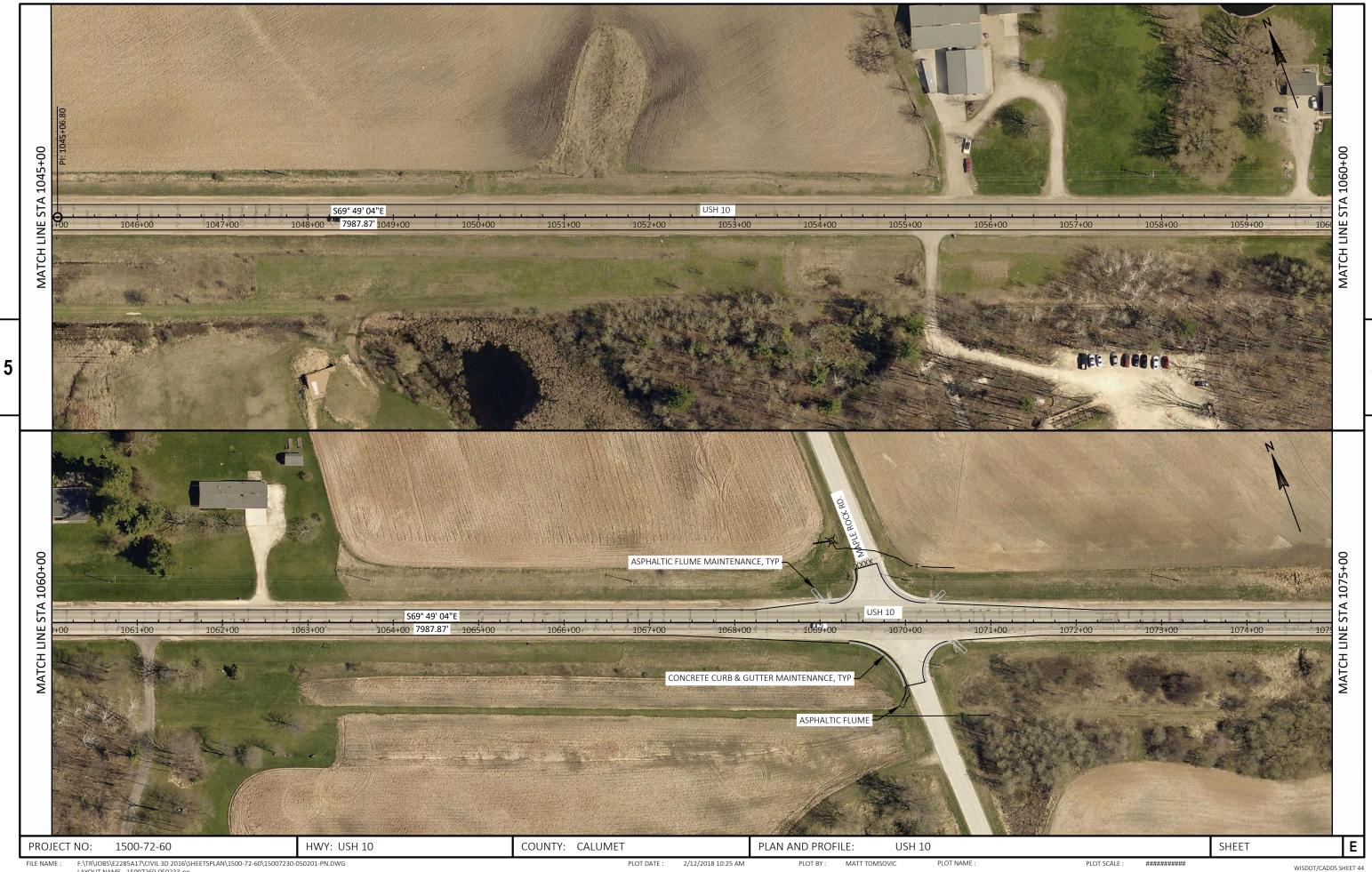
WISDOT/CADDS SHEET 44



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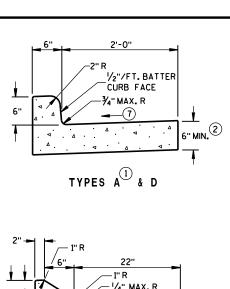


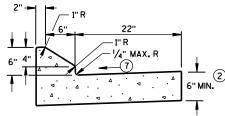
F:\TR\UOBS\E2285A17\CIVIL 3D 2016\SHEETSPLAN\1500-72-60\15007230-050201-PN.DWG LAYOUT NAME - 15007260-050235-pn PLOT DATE : 2/12/2018 10:25 AM PLOT BY: PLOT SCALE : WISDOT/CADDS SHEET 44



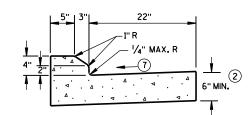
Standard Detail Drawing List

08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19B	CURB RAMPS TYPES 2 AND 3
08D05-19C	CURB RAMPS TYPES 4A AND 4A1
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14B15-10A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-10B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-10C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B29-01	SAFETY EDGE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C04-04	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C08-18A	LONGI TUDI NAL MARKI NG (MAI NLI NE)
15C08-18B	PAVEMENT MARKING (TURN LANES)
15C09-11B	TRUCK STOPPING LANE PAVEMENT MARKINGS
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-04	MEDIAN ISLAND MARKING
15C19-05A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-01	TRAFFIC CONTROL, DROP-OFF SIGNING

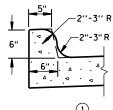




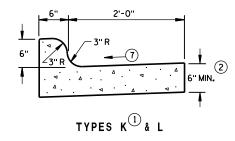
6" SLOPED CURB TYPES G 4 J



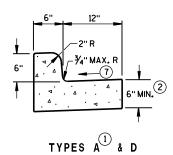
4" SLOPED CURB TYPES G 4 J



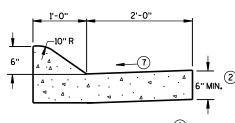
TYPES K (1) & L (OPTIONAL CURB SHAPE)



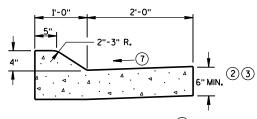
CONCRETE CURB & GUTTER 30"



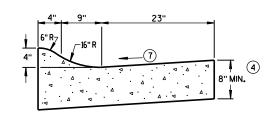
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A & D

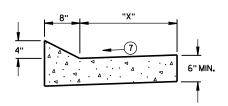


4" SLOPED CURB TYPES A D



4" SLOPED CURB TYPES R T & T

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

GENERAL NOTES

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

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-O" BEHIND THE BACK OF CURBS.

- (1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.
- 2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED
- (4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
- (6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
- (7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
- (8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'

6

20a

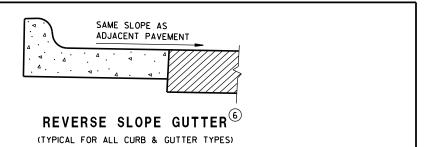
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CONCRETE PANEL WIDTH SAME PAY LIMITS TRAFFIC TRAFFIC LANE -AS CURB & GUTTER LANE PAVEMENT SLOPE PAVEMENT THICKNESS

PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



CONCRETE CURB & GUTTER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

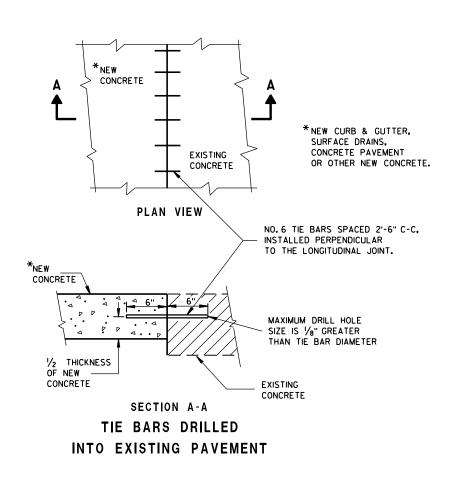
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^{*} BIKE LANE IS NOT SHOWN.

DETAIL OF CURB AND GUTTER AT INLETS (TYPE H INLET COVER SHOWN)

CONTRACTION **PAVEMENT**

END SECTION CURB & GUTTER



GENERAL NOTES

_ 1/2"/FT.BATTER,FACE OF CURB (ABOVE ADJACENT PAVEMENT)

ADJACENT

PAVEMENT

NO. 4 X 2'-0" DEF. TIE

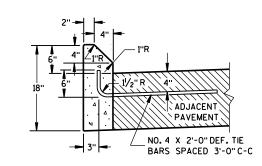
BARS SPACED 3'-0" C-C

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

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-O" BEHIND THE BACK OF CURBS.

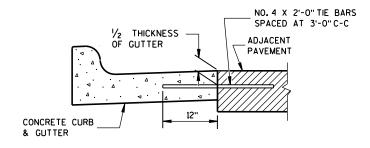
- 1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A.G.K.R AND TBTT.
- 2 THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



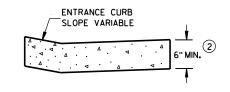
TYPES A D

TYPES G 4 J

CONCRETE CURB



TYPICAL TIE BAR LOCATION 1



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Rodney Taylor June, 2017 DATE

ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

6

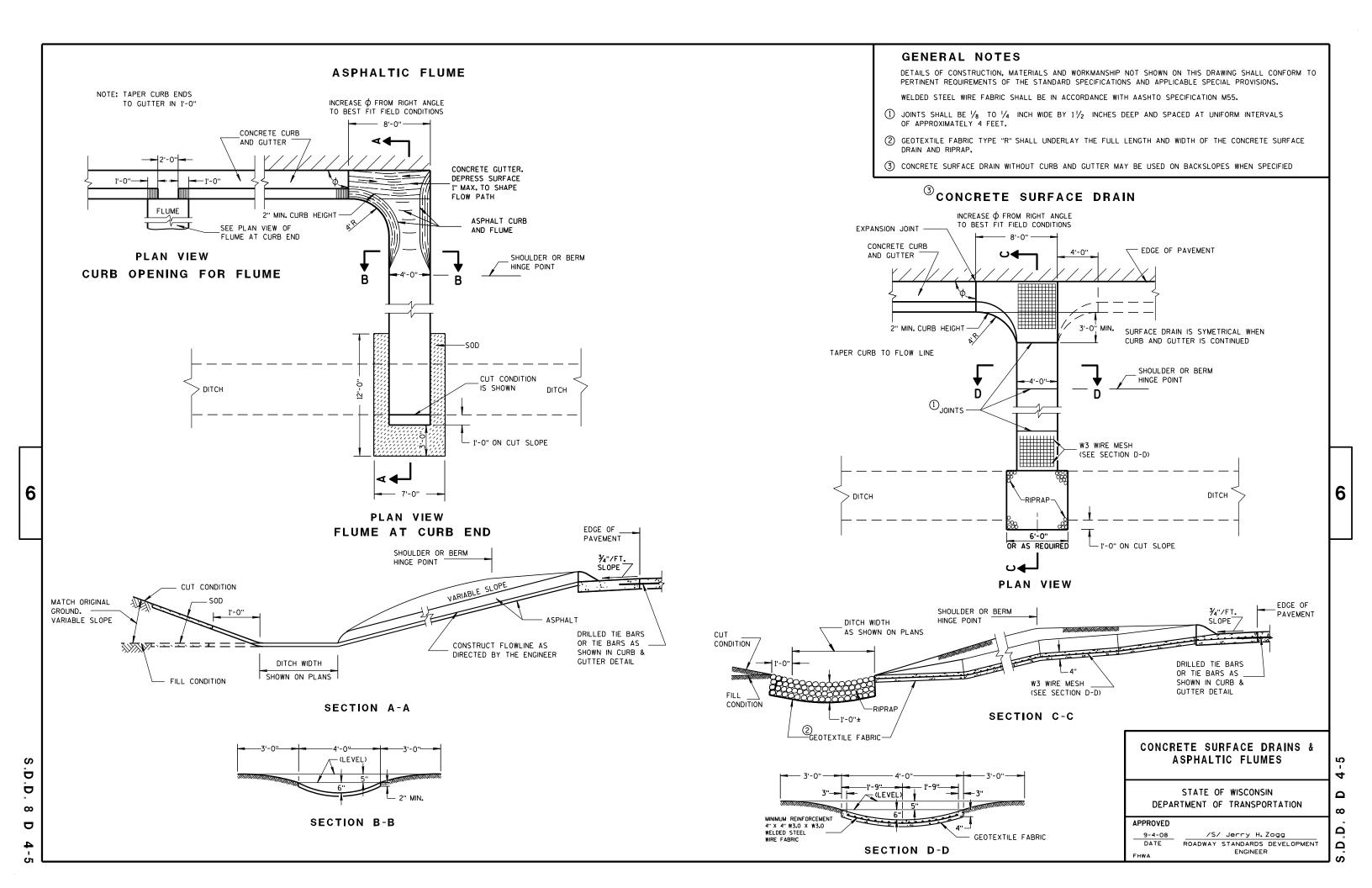
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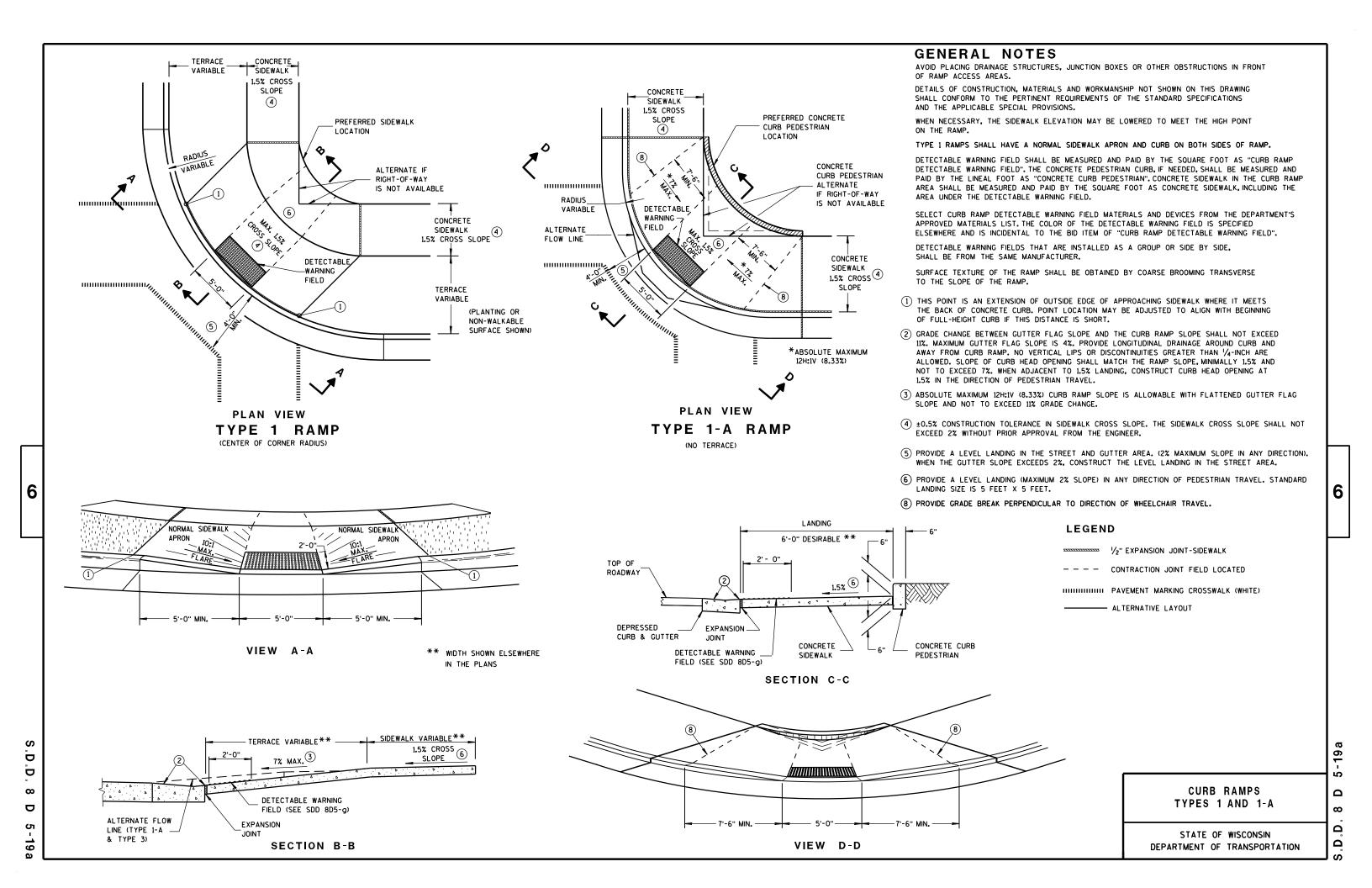
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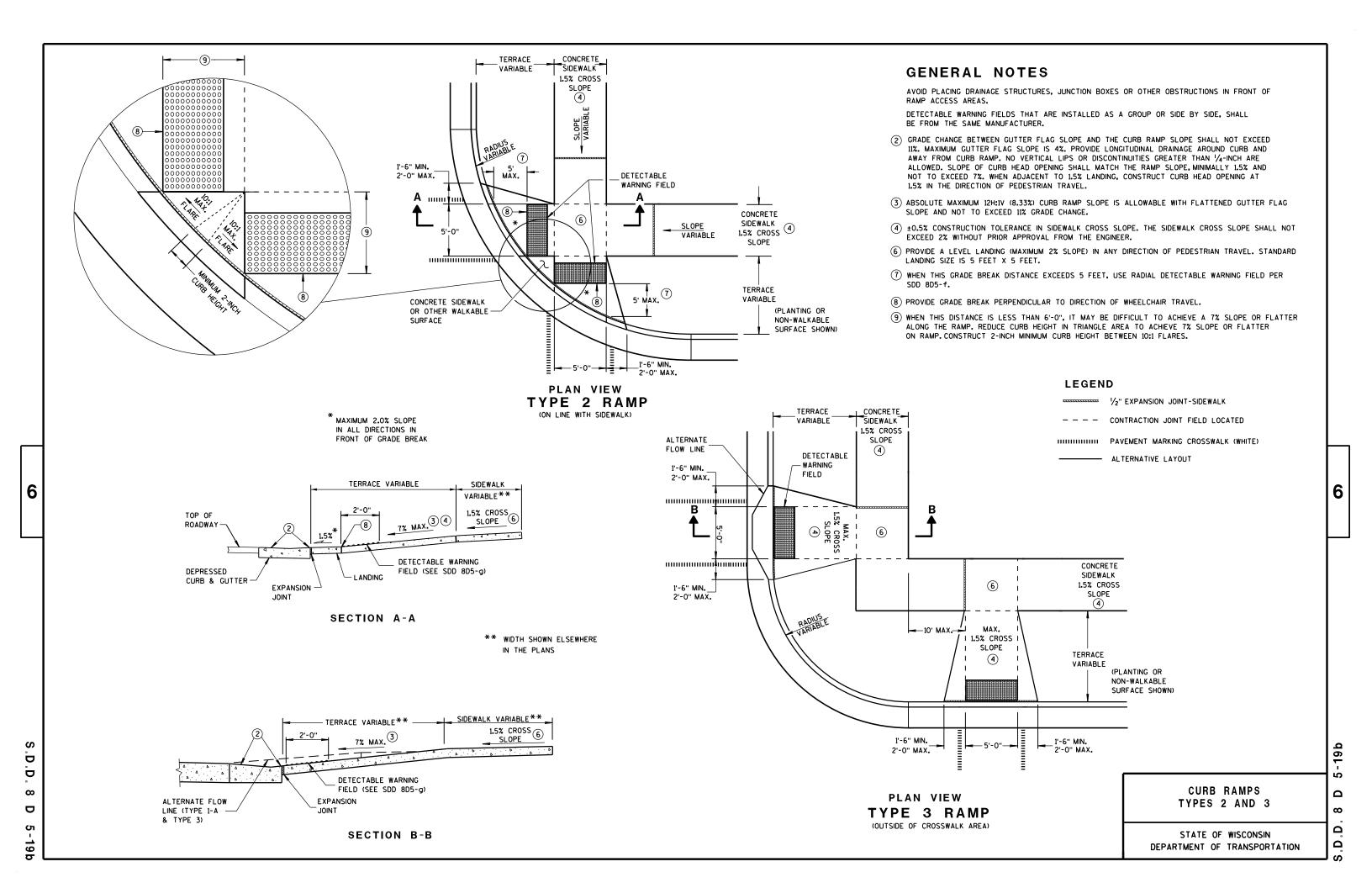
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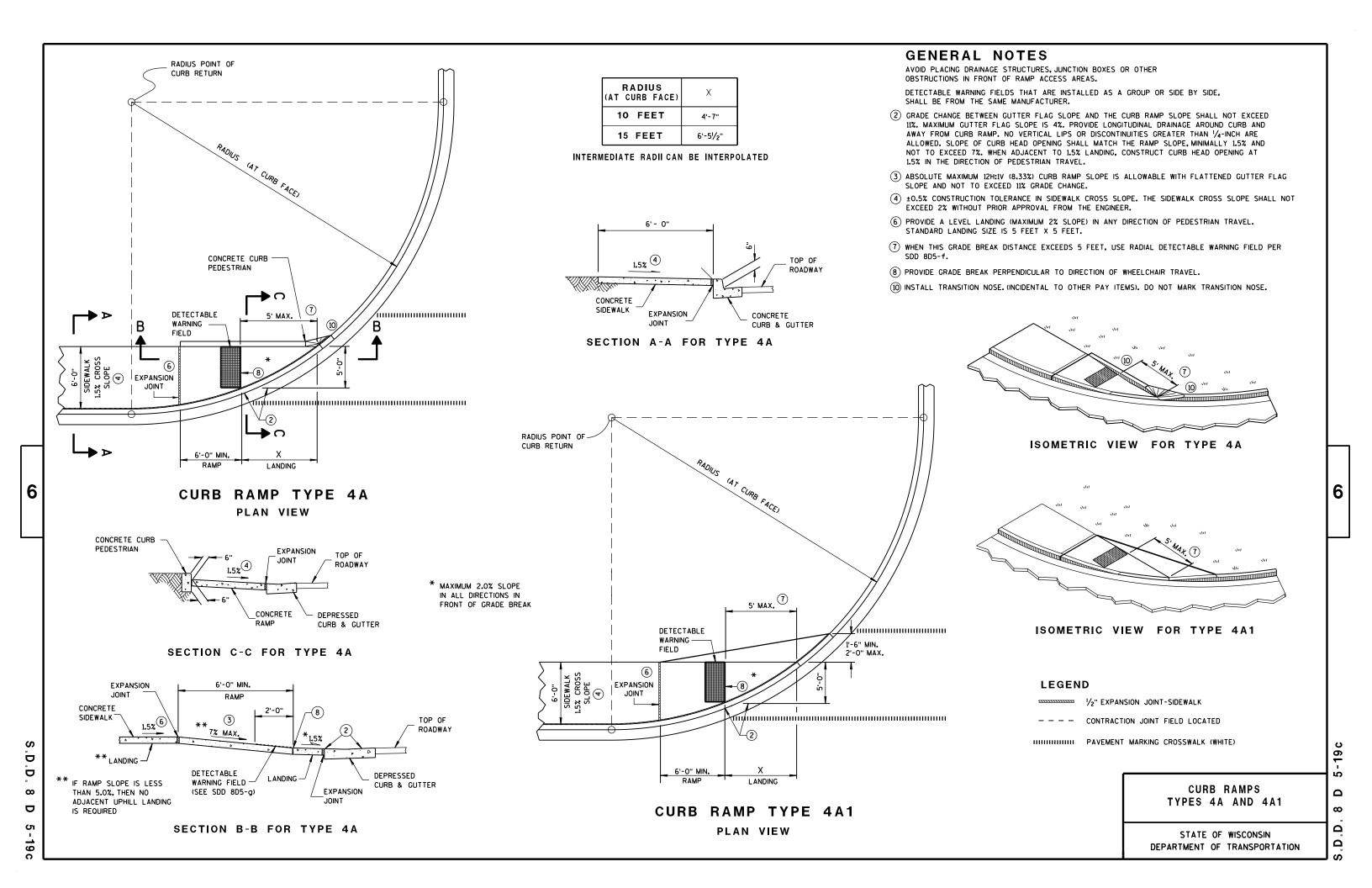
20b

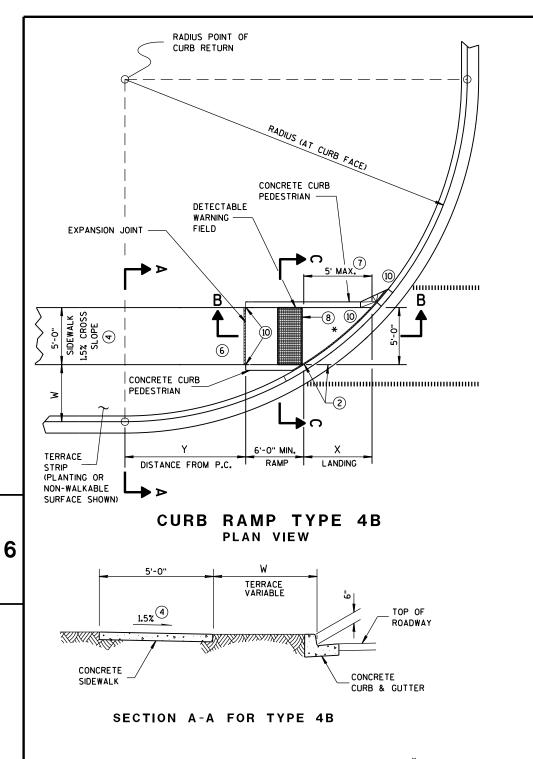
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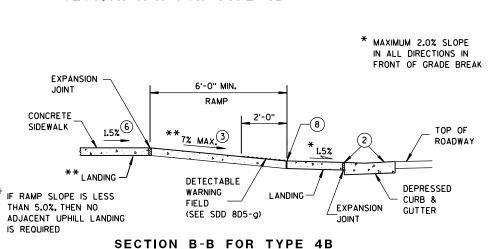












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19 d

RADIUS	W =	3' - 0"	W =	4' - Ø"	W =	5' - Ø"	W =	6' - Ø"	W =	7' - Ø"	W =	8' - Ø"	W =	9' - Ø"	W =	10' - 0"
(AT CURB FACE)	Х	Y	Х	Y	Х	Y	X	Y	Х	Y	Х	Y	Х	Y	Х	Y
10 FEET	2'-101/4"	0'-5"	2'-1"	1'-41/2"	1'-5"	2'-1"	0'-10"	2'-71/2"	0'-31/4"	3'-01/4"						
15 FEET	4'-6¾"	2'-13/4"	3'-9"	3'-51/4"	3'-1'/4"	4'-6"	2'-6¾"	5'-41/2"	2'-1"	6'-1"	1'-8"	6'-81/2"	1'-31/4"	7'-21/2"	0'-10¾"	7'-71/4"
20 FEET	5'-9¾"	3'-61/2"	4'-11'/2"	5'-13/4"	4'-3'/4"	6'-51/2"	3'-8¾"	7'-7"	3'-3"	8'-61/2"	2'-10"	9'-41/2"	2'-51/2"	10'-1'/4"	2'-11/4"	10'-9"
30 FEET			6'-9'/4"	7'-11'/4"	6'-0'/4"	9'-8"	5'-5"	11'-1¾''	4'-10¾"	12'-5¾"	4'-51/2"	13'-7¾"	4'-0¾"	14'-81/2"	3'-81/2"	15'-8'/4"
40 FEET									6'-1¾"	15'-81/2"	5'-8"	17'-2"	5'-3"	18'-5¾"	4'-10¾"	19'-8'/4"
50 FEET															5'-10'/4"	23'-2"

GENERAL NOTES

5'-0" RAMP

VARIES

0 TO 6"

<u>1.5%</u>

SECTION C-C FOR TYPE 4B

CONCRETE CURB

PEDESTRIAN

TERRACE STRIP

VARIES O TO W

CONCRETE

CURB & GUTTER

ROADWAY

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

6

-19

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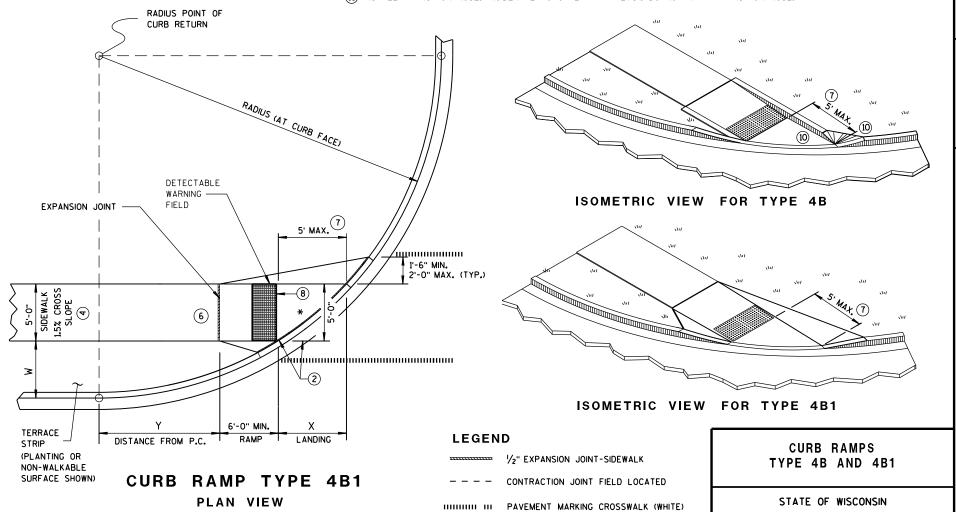
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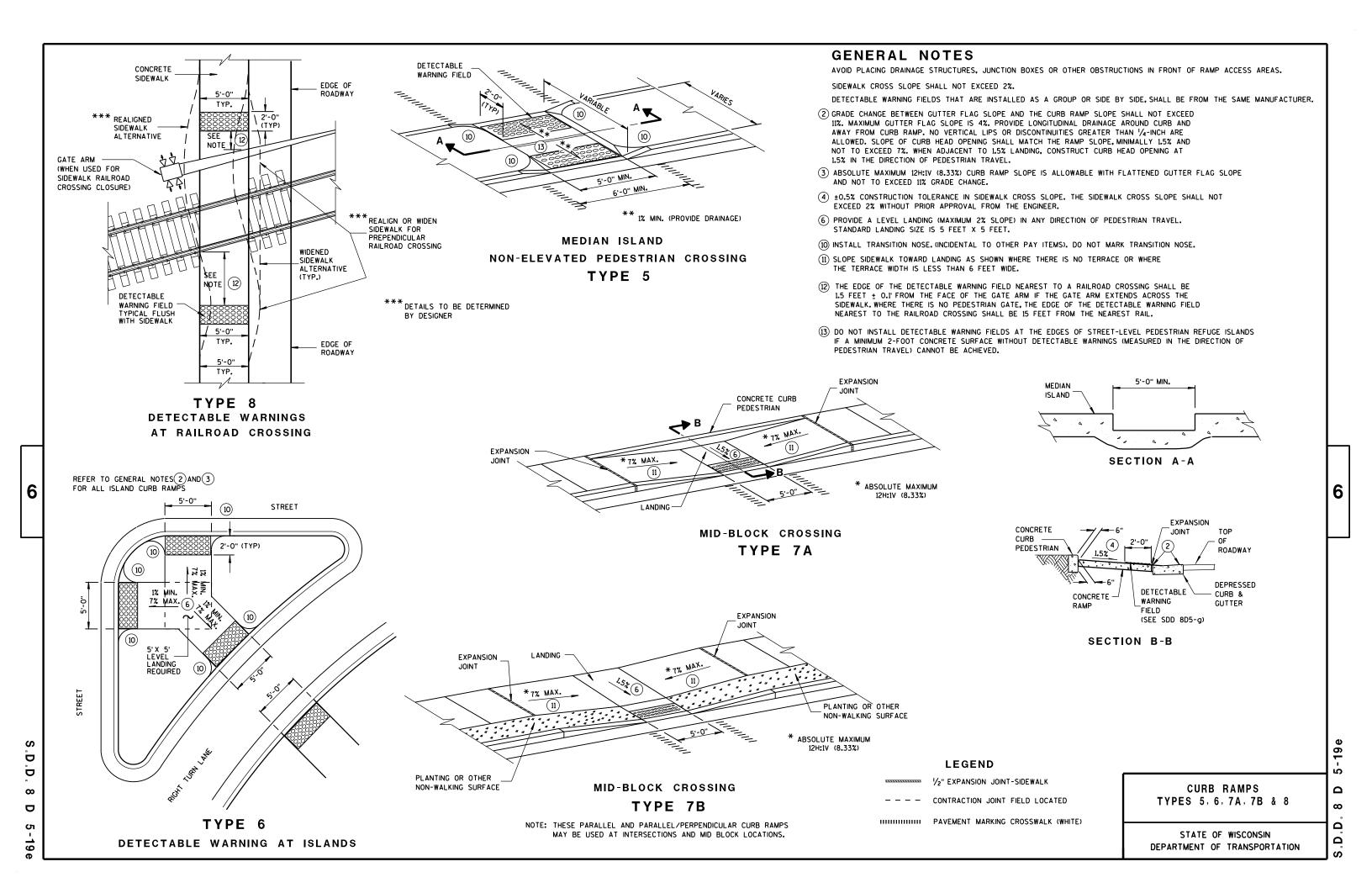
DEPARTMENT OF TRANSPORTATION

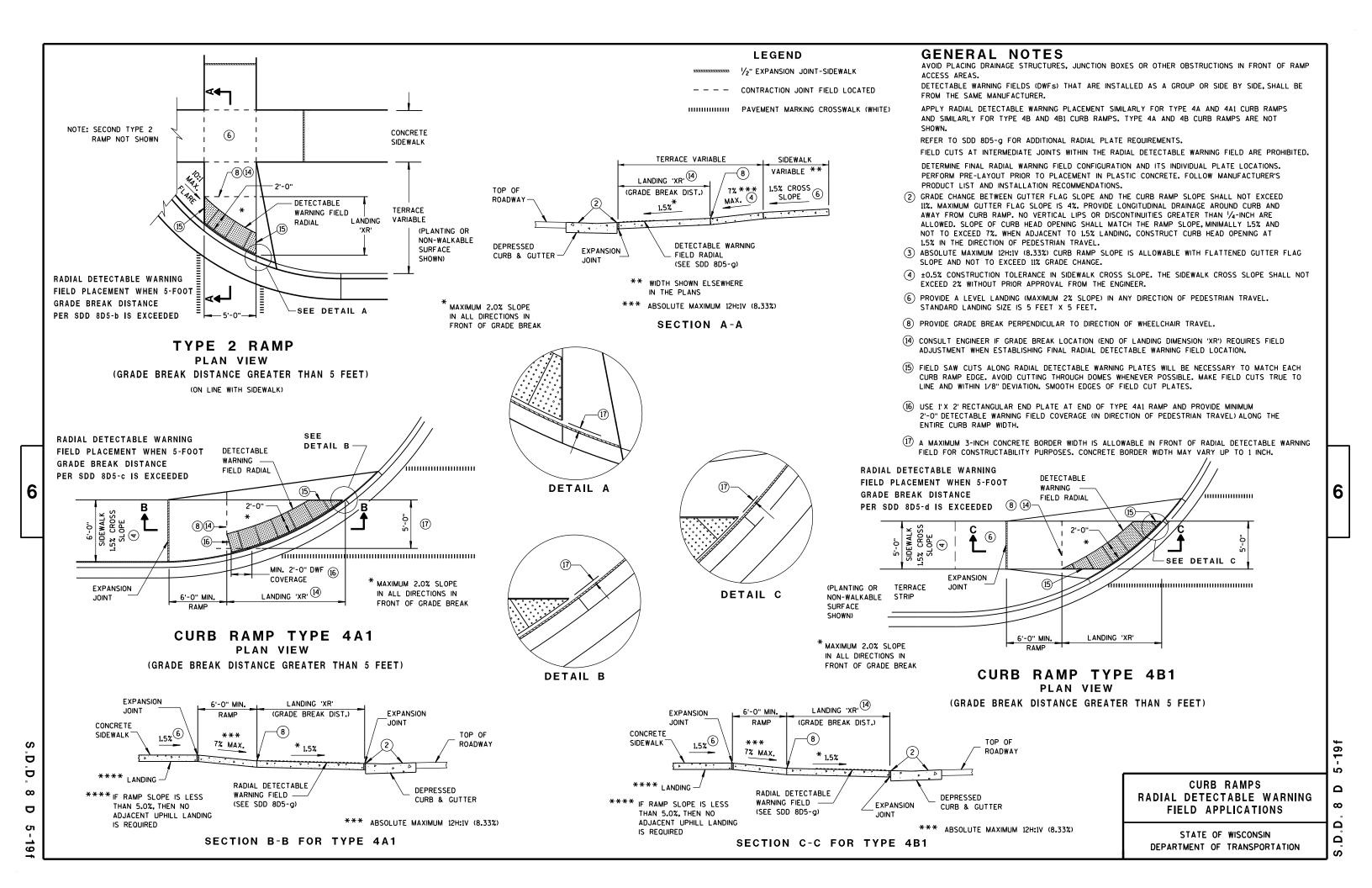
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

- ② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- 3 ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- 4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- 6 PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.
- WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.
- 8 PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- (10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.







A B	RAI Q	
A		B

PLAN VIEW

0 C	
ELEVATION	VIEW

THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

MIN.

1.6"

0.65"

В

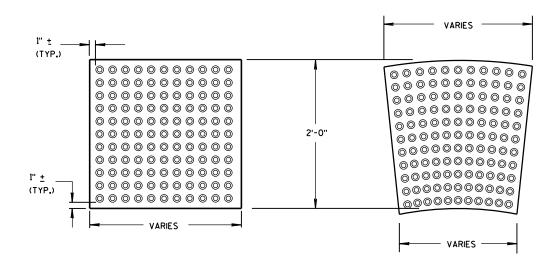
MAX

2.4"

1.5"

1.4"

TRUNCATED DOMES DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR **PLATES**

RADIAL **PLATES**

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW

GENERAL NOTES

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

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.

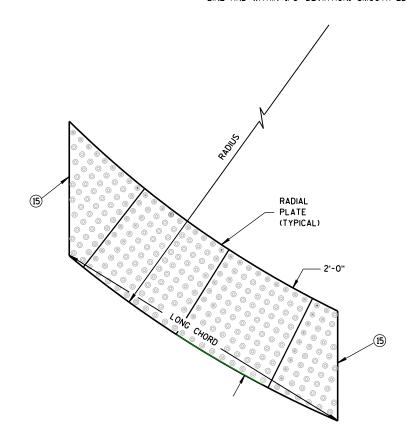
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGES IN COMBINATION WITH SQUARE PANELS ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



RADIAL DETECTABLE **WARNING FIELD ATTRIBUTES**

CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

6

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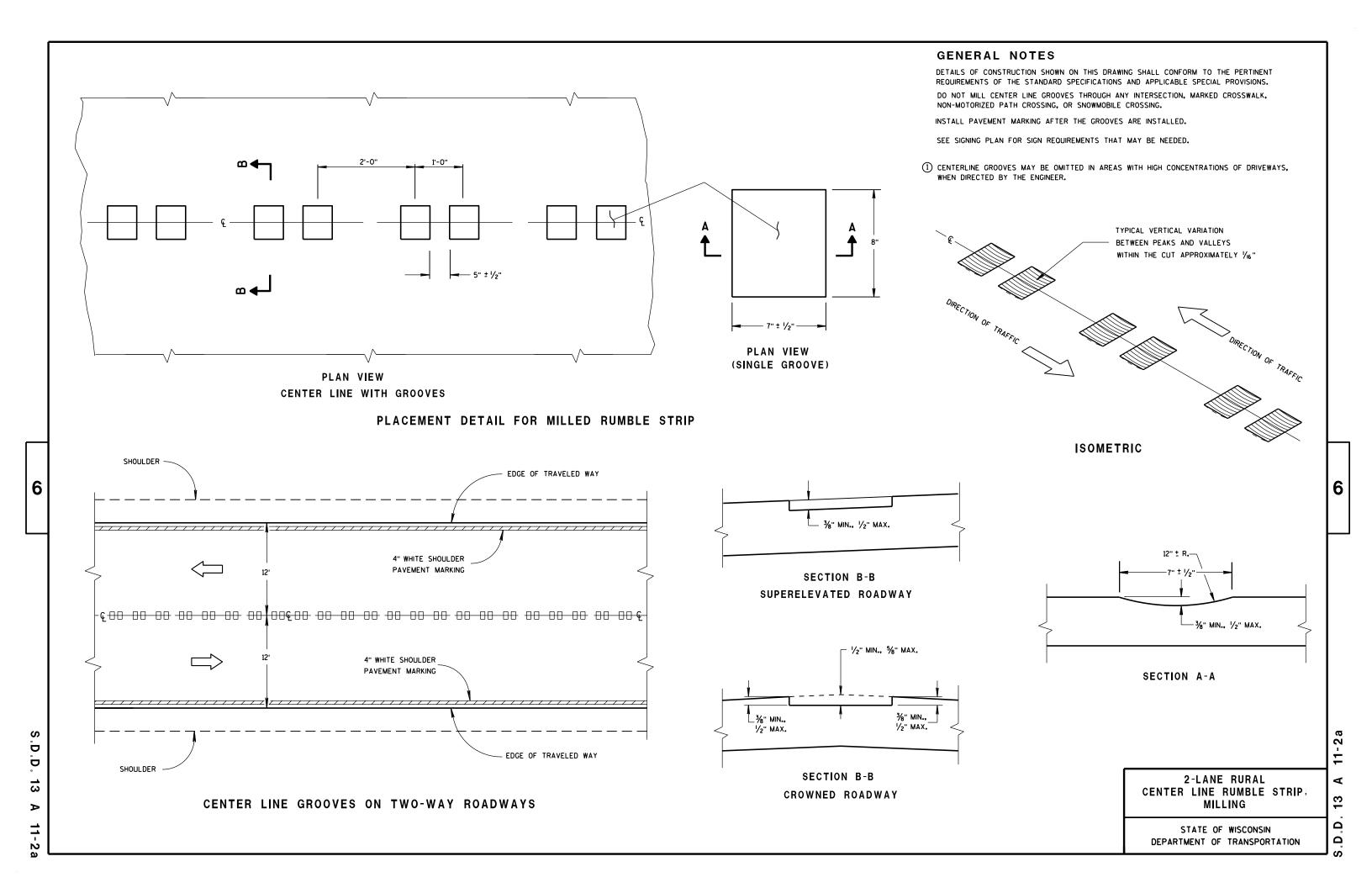
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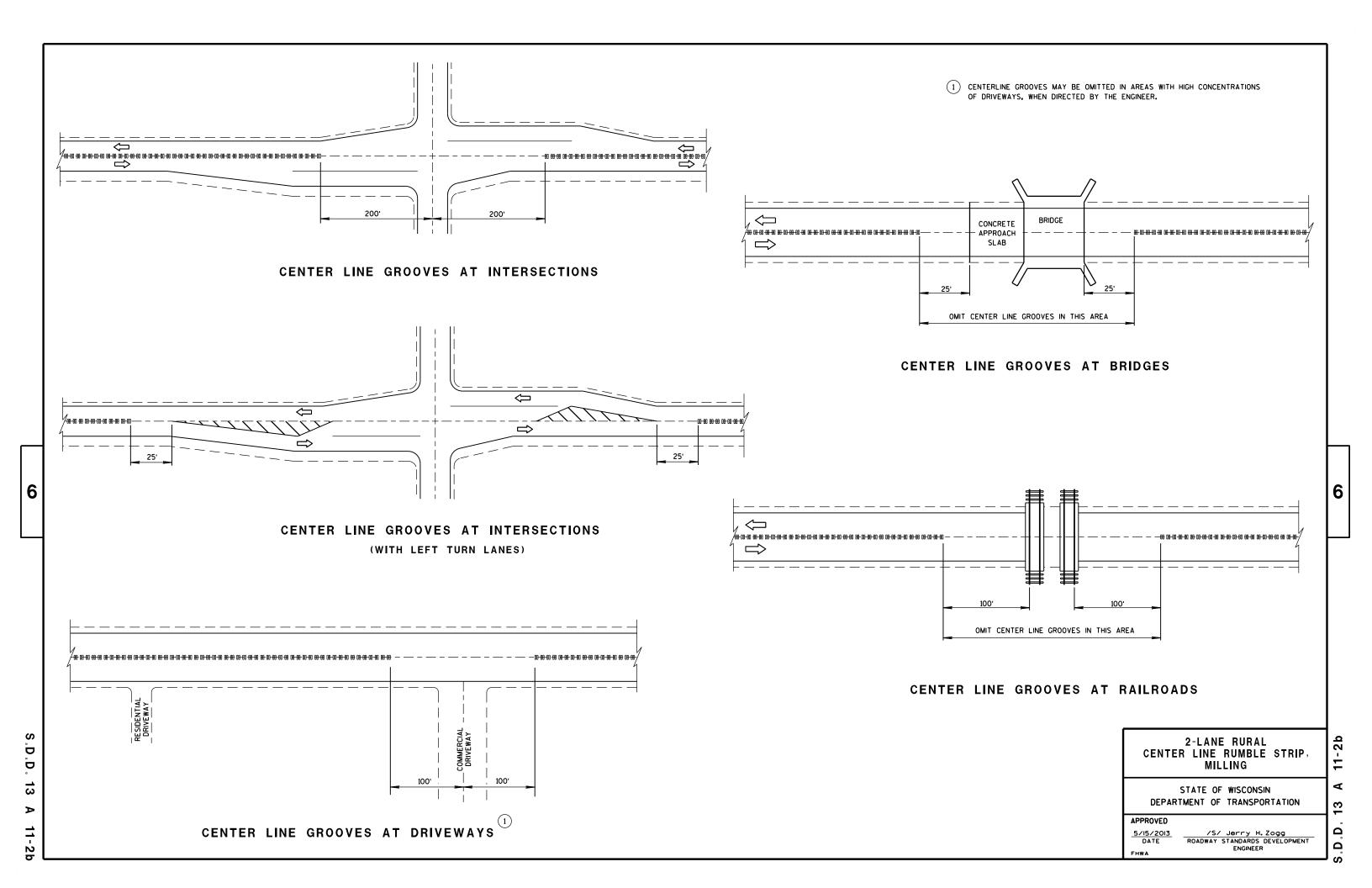
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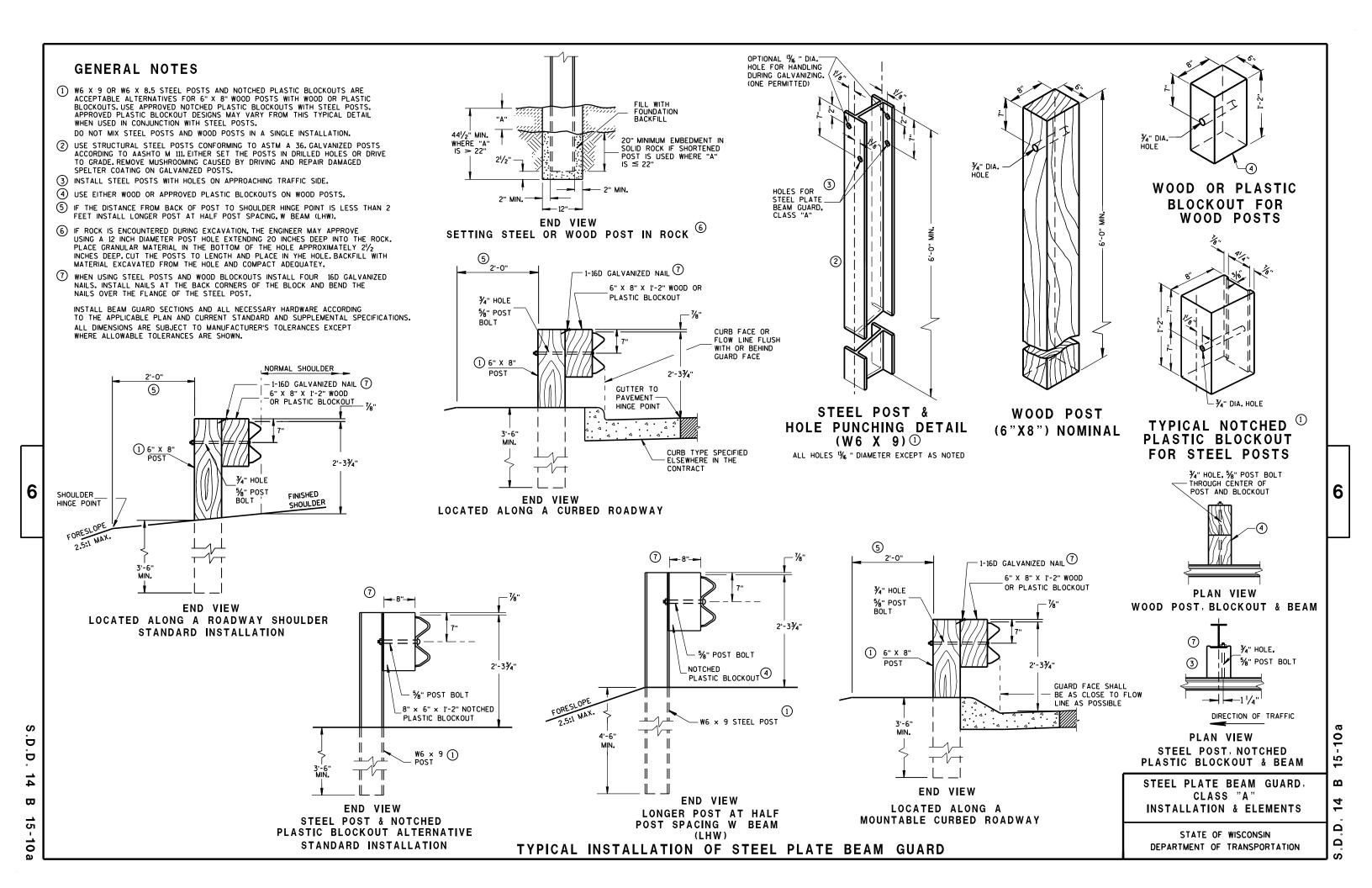
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APP	ROVED

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR



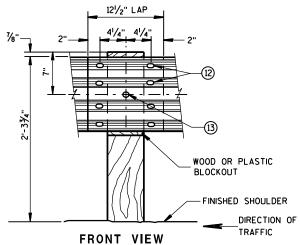




FRONT VIEW

SECTION THRU W BEAM

SYMMETRICAL

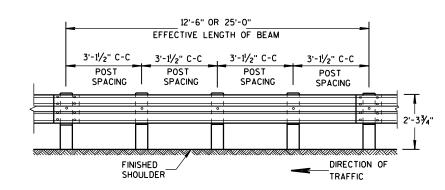


BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

GENERAL NOTES

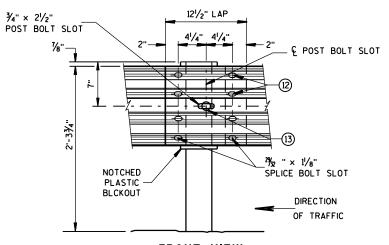
- (9) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- (12) 8 -5%" # X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.
- (13) %" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH 5%" DIA. F844 FLAT WASHER

POST SPACING STANDARD INSTALLATION



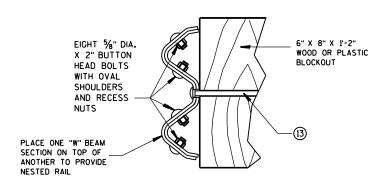
FRONT VIEW

POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)



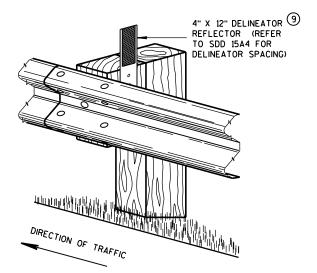
FRONT VIEW
BEAM SPLICE AT STEEL POST

TYPICAL SPLICING DETAILS
OF STEEL PLATE BEAM GUARD



NESTED W BEAM (NW)

USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

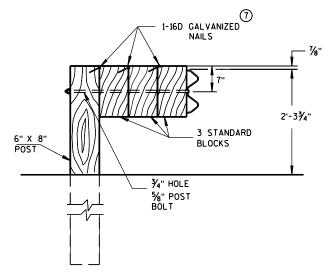
S.D.D. 14 B 15-10b

, D , D , 14 B

15-10b

DETAIL FOR DOUBLE BLOCKS

THE NUMBER OF DOUBLE BLOCK POSTS WITHIN A BARRIER RUN IS UNLIMITED

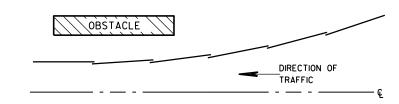


DETAIL FOR TRIPLE BLOCKS

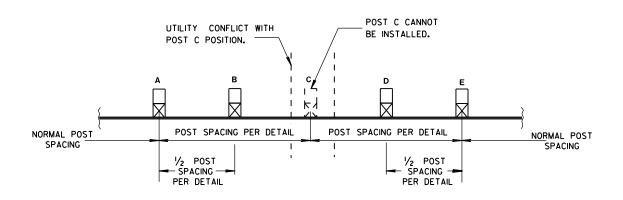
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA 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.



PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS 6

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В

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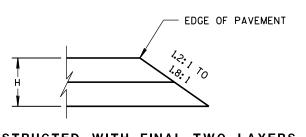
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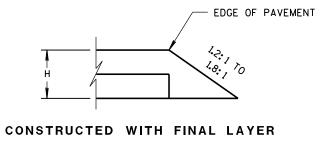
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017 /S/ Rodney Taylor

DATE ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

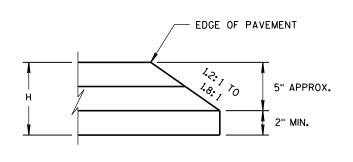


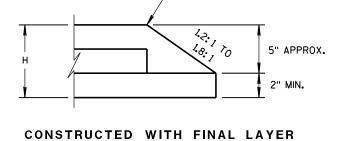


FOR H 5" OR LESS

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS





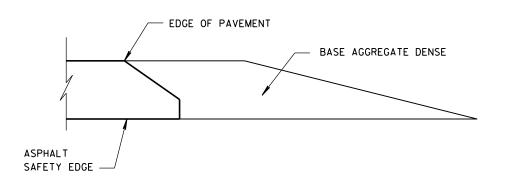
FOR H GREATER THAN 5"

EDGE OF PAVEMENT

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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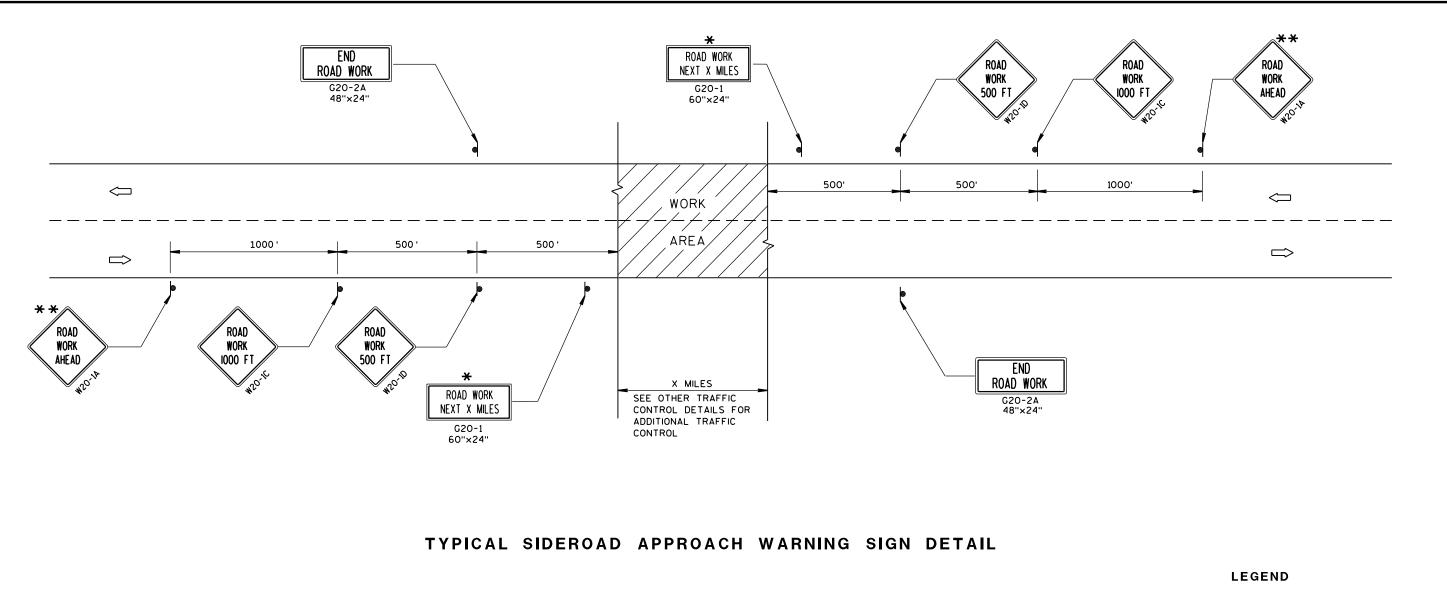
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APPROVED

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER







GENERAL NOTES

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

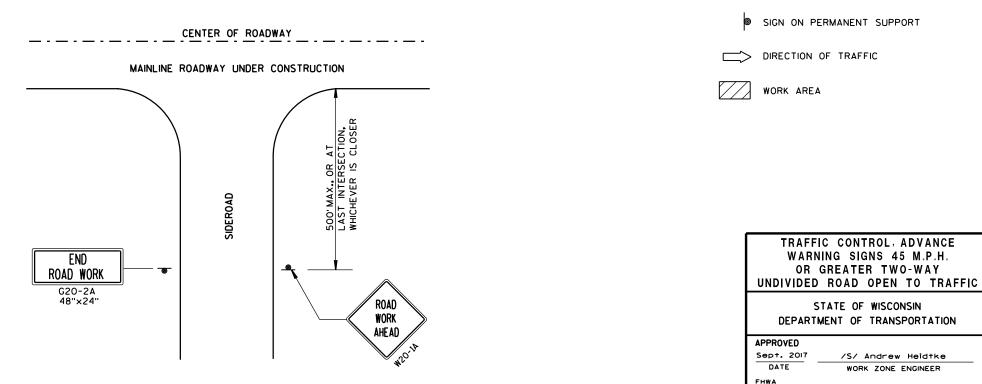
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

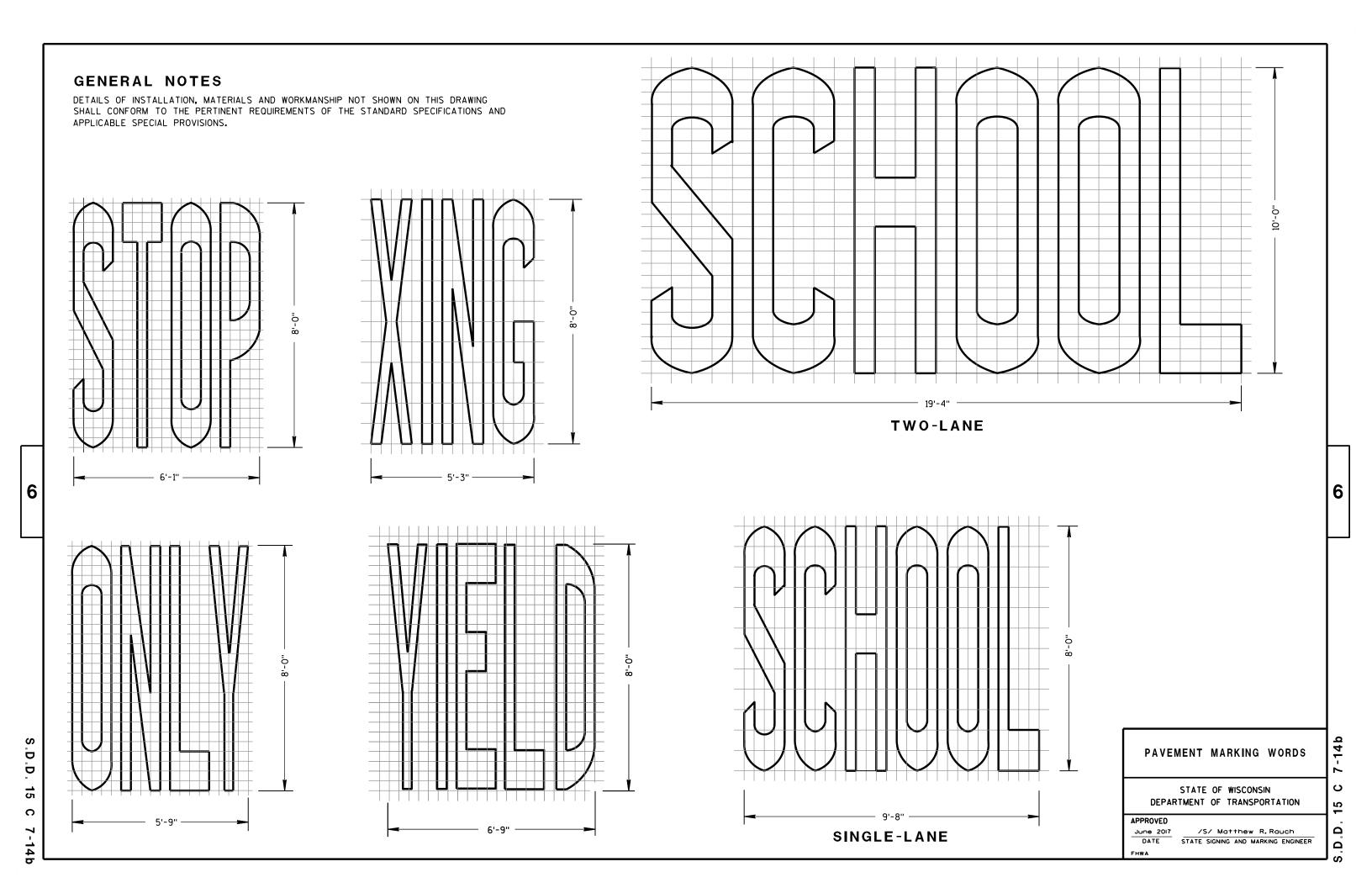
- igspace Omit G20-1 Signs if length of work area is 2 miles or less.
- ** PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.

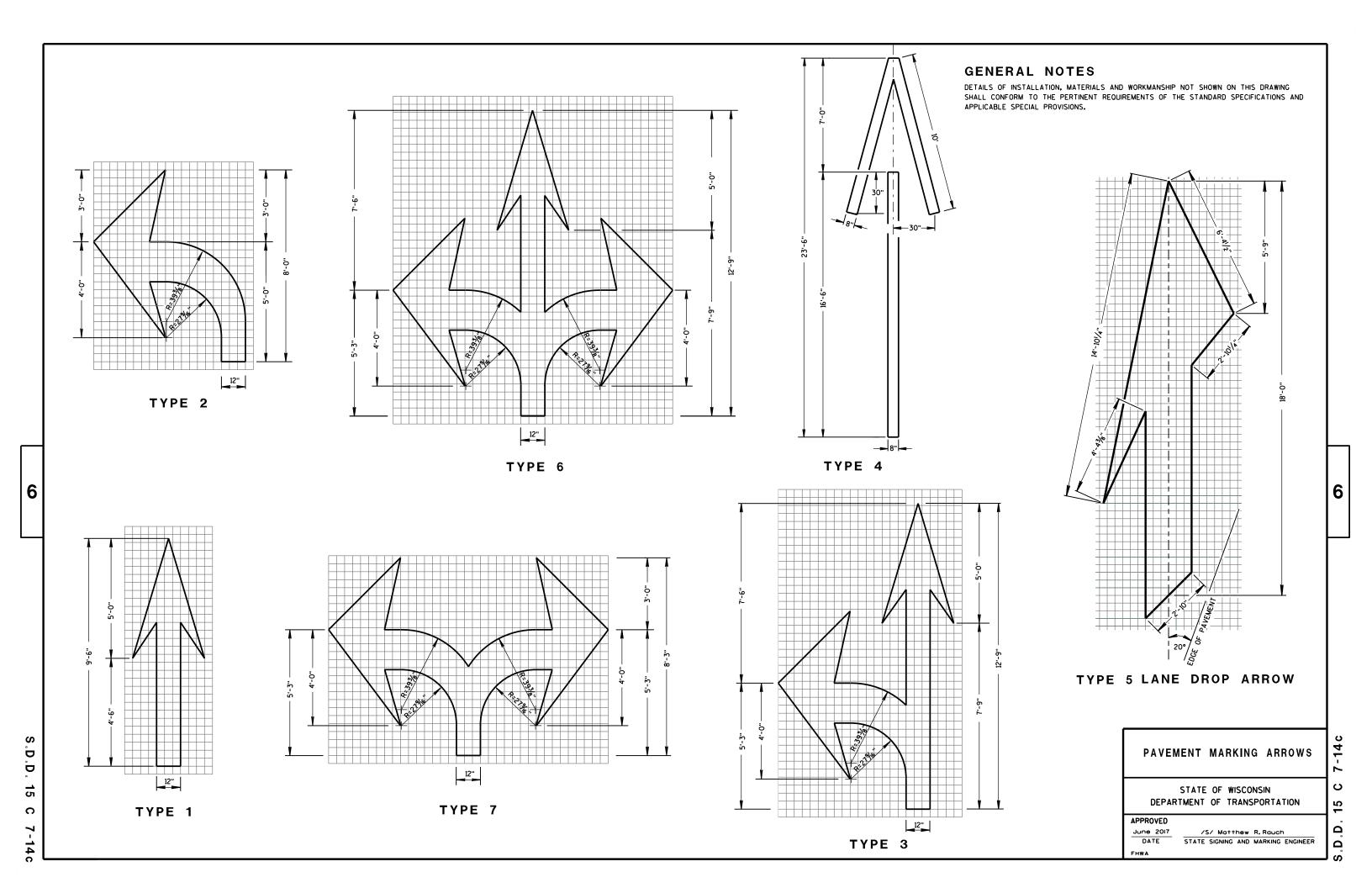


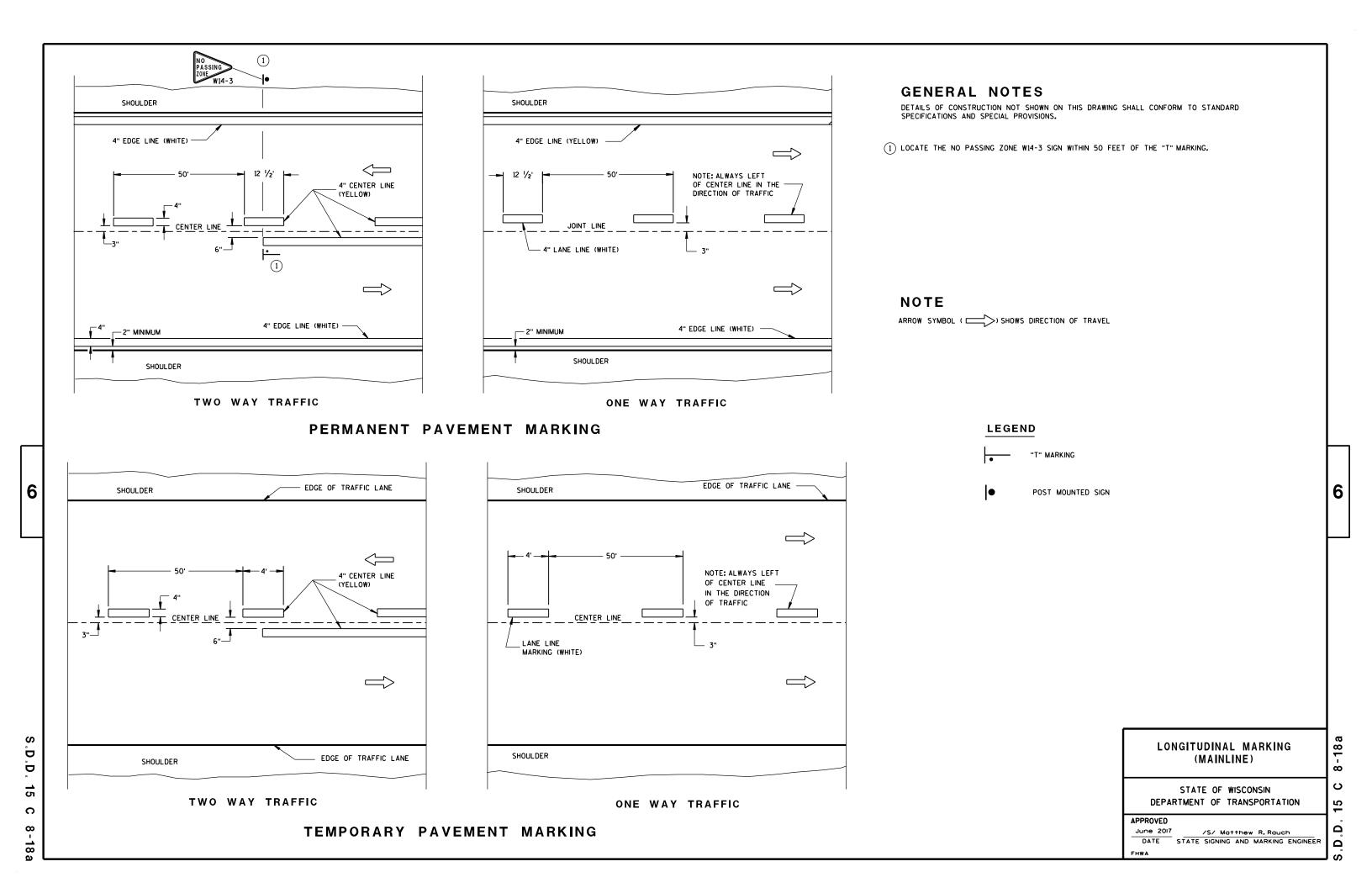
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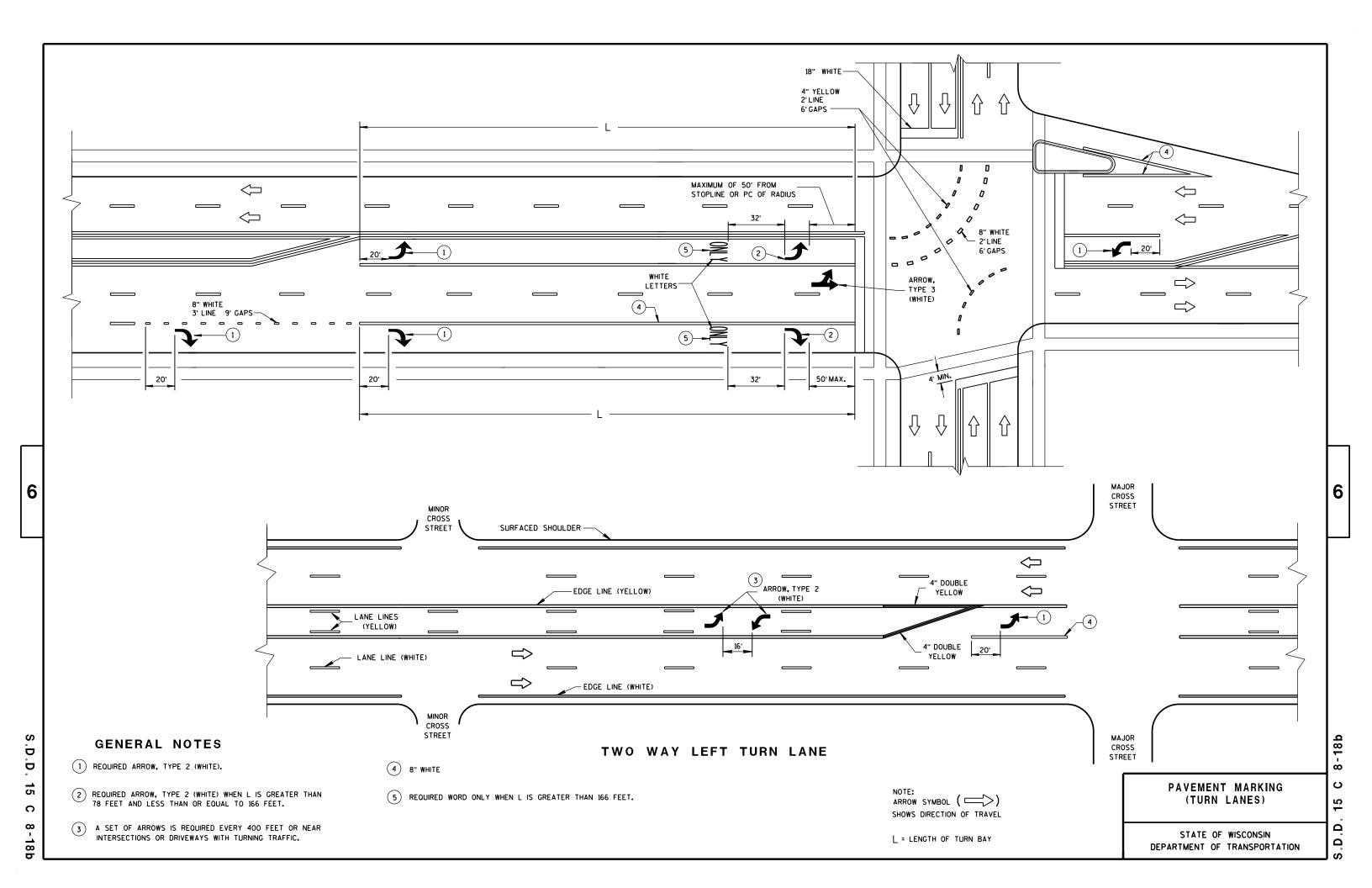
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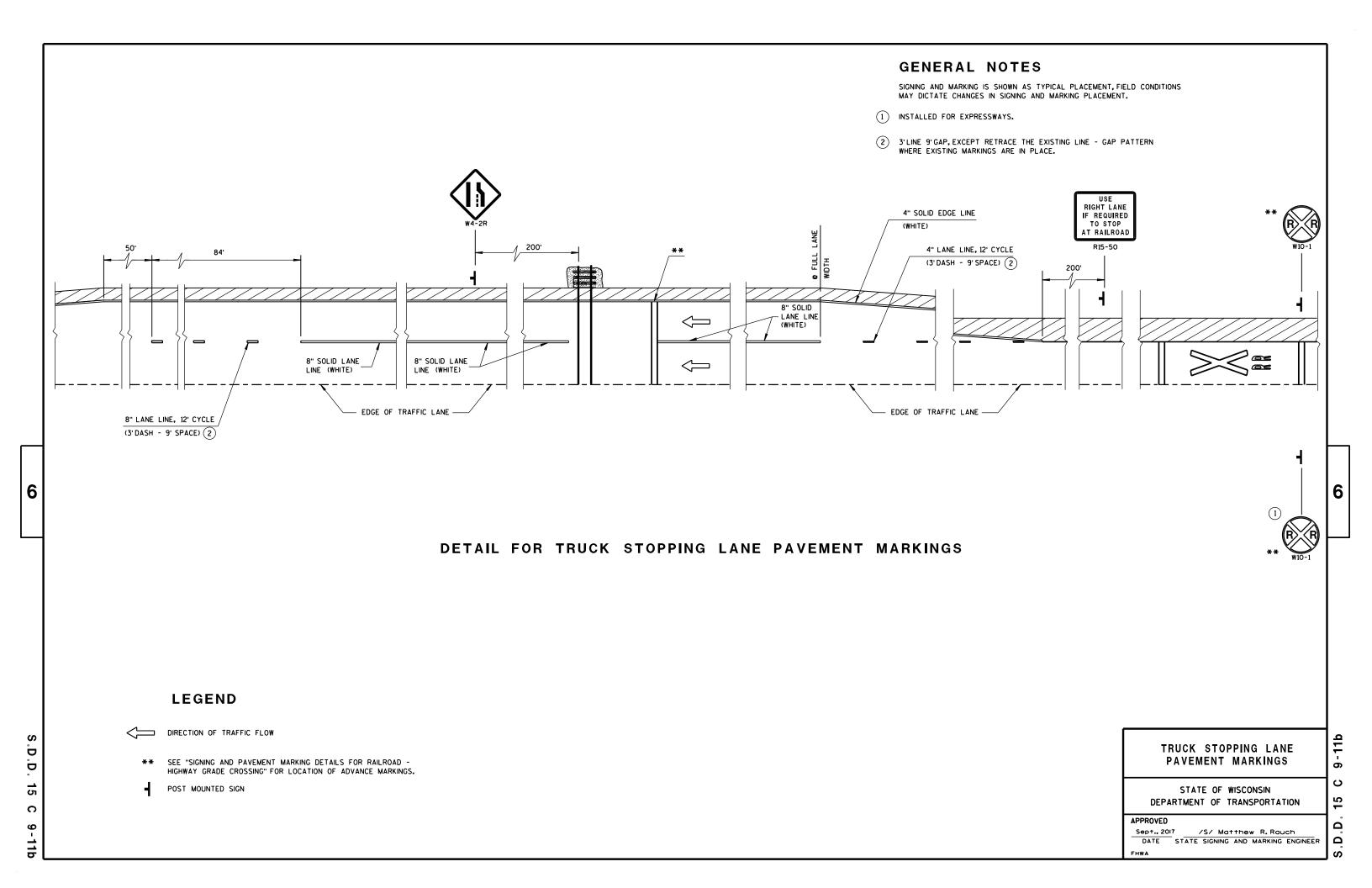
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TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STOP/SLOW PADDLE ON SUPPORT STAFF

5' MIN.

WORK

AHEAD

48" X 24"

END ROAD WORK G20-2A

(2)

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W20-1A

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT. REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

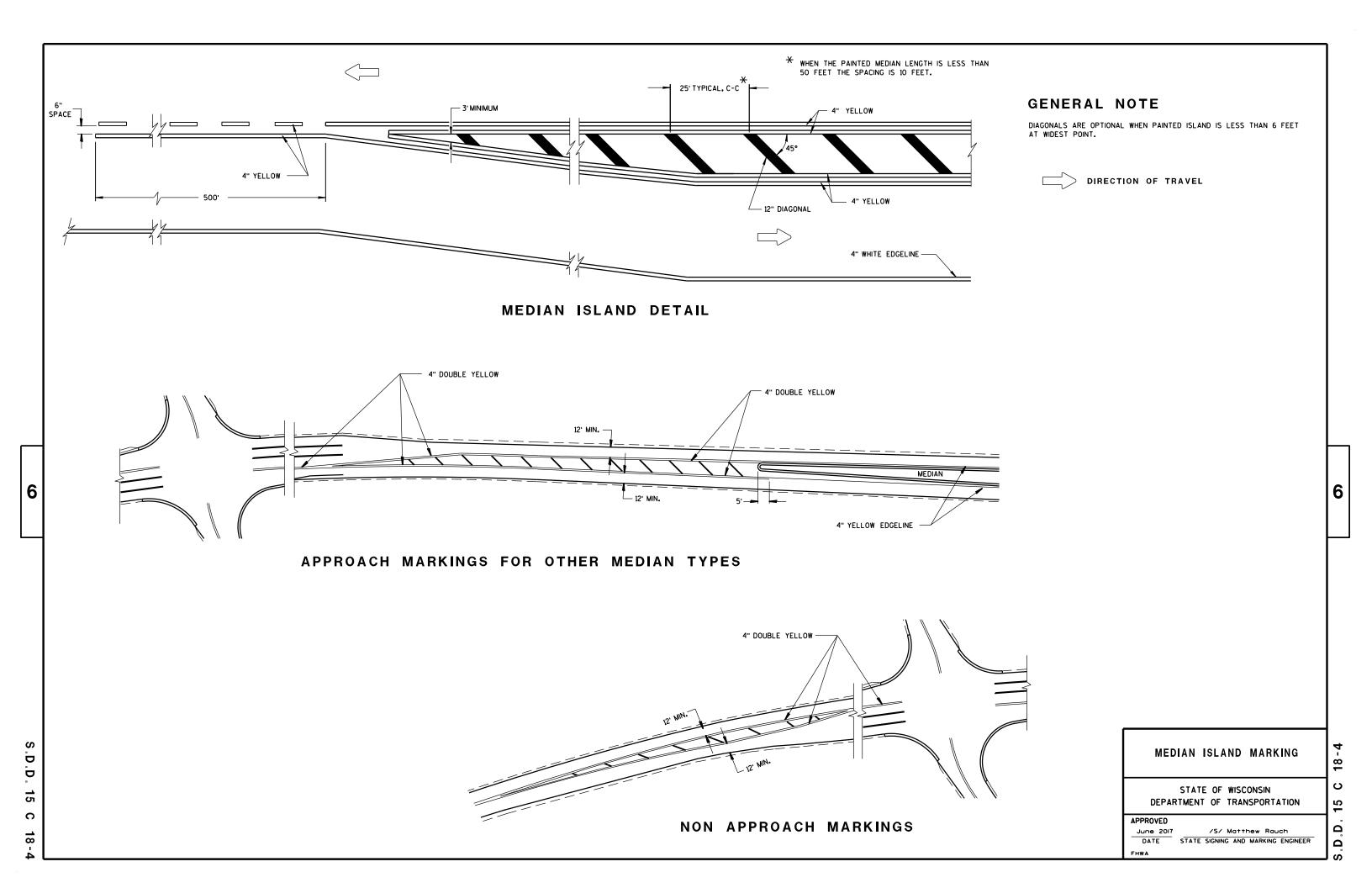
- 1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

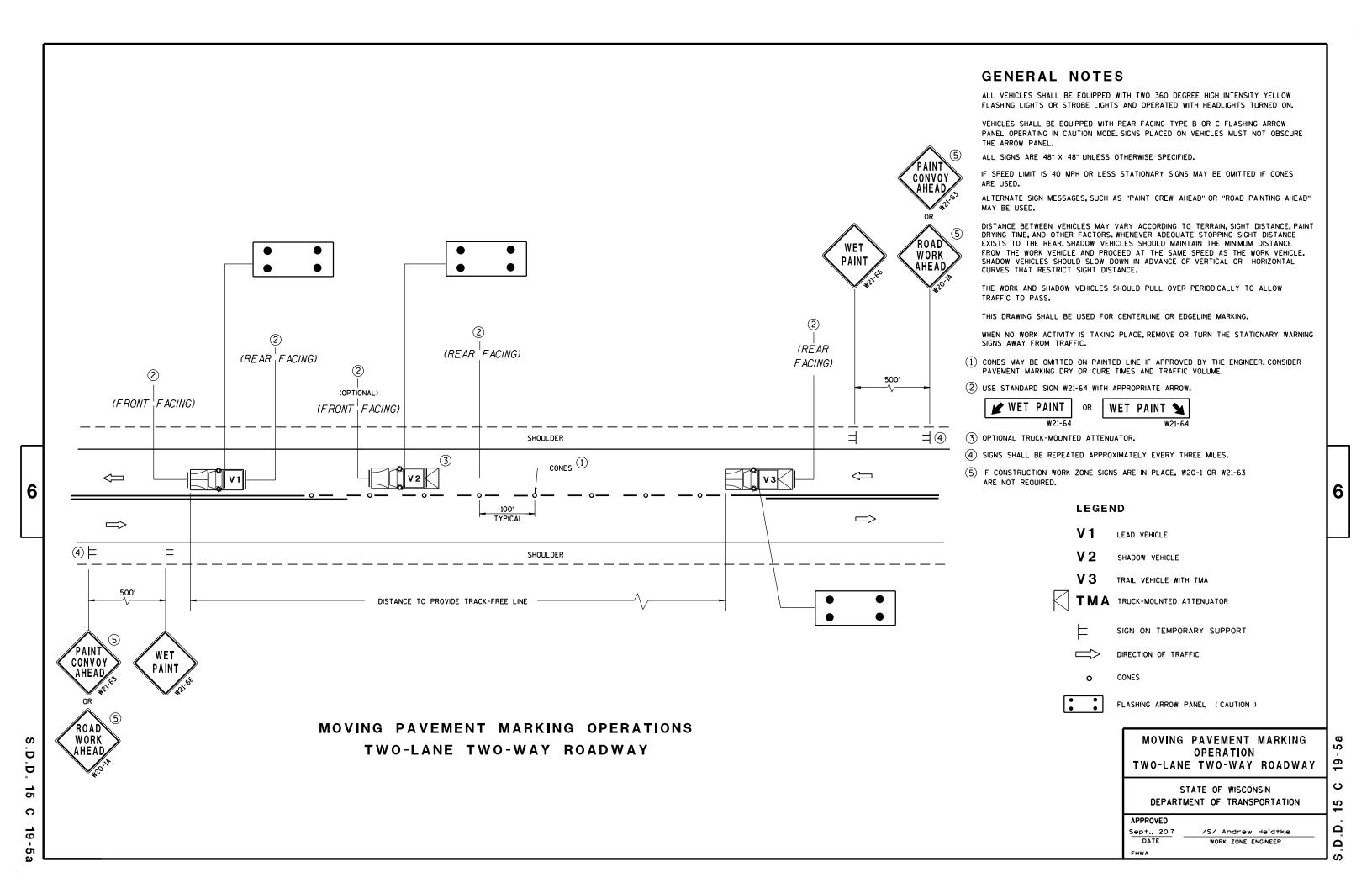
TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

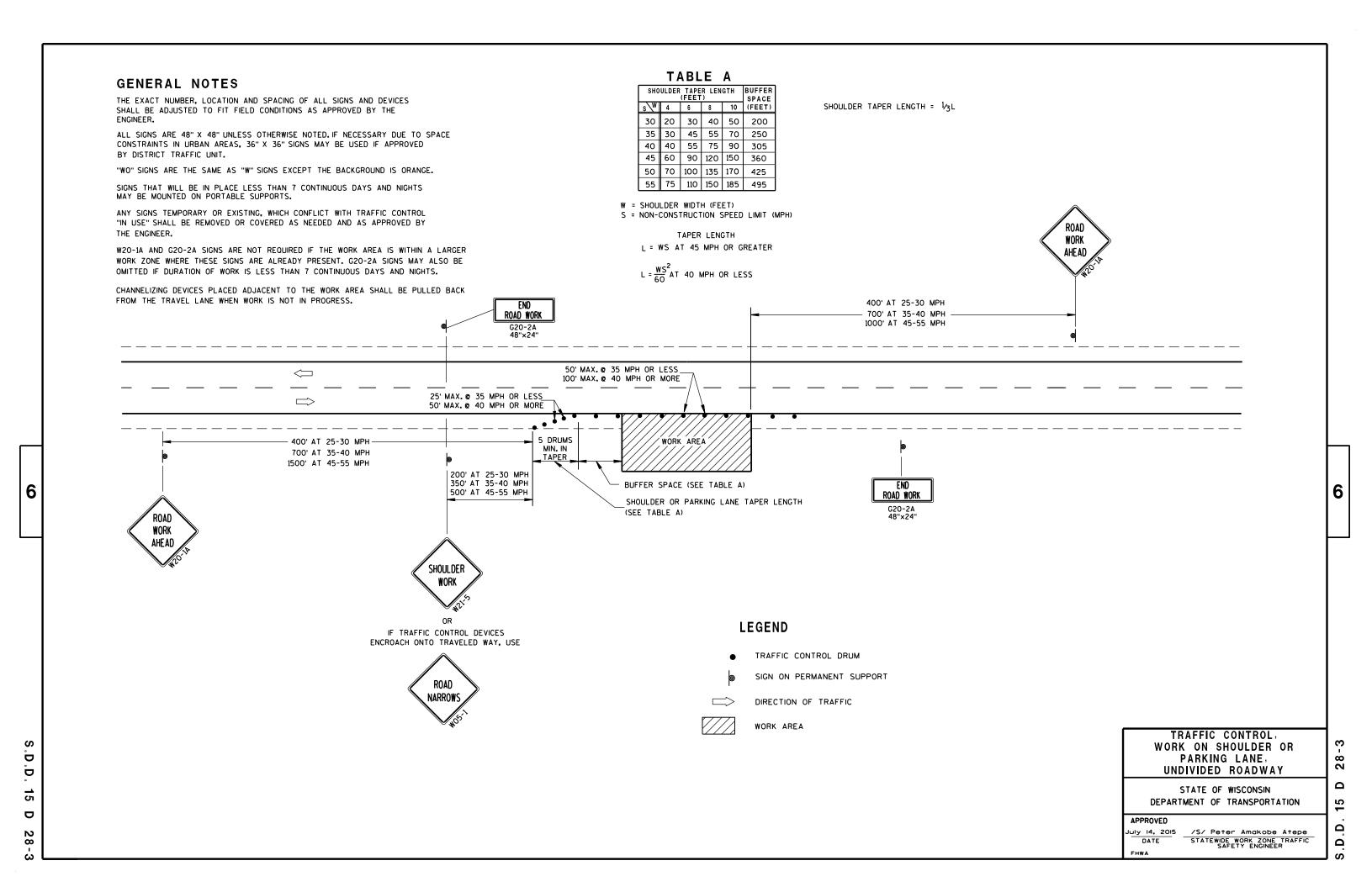
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

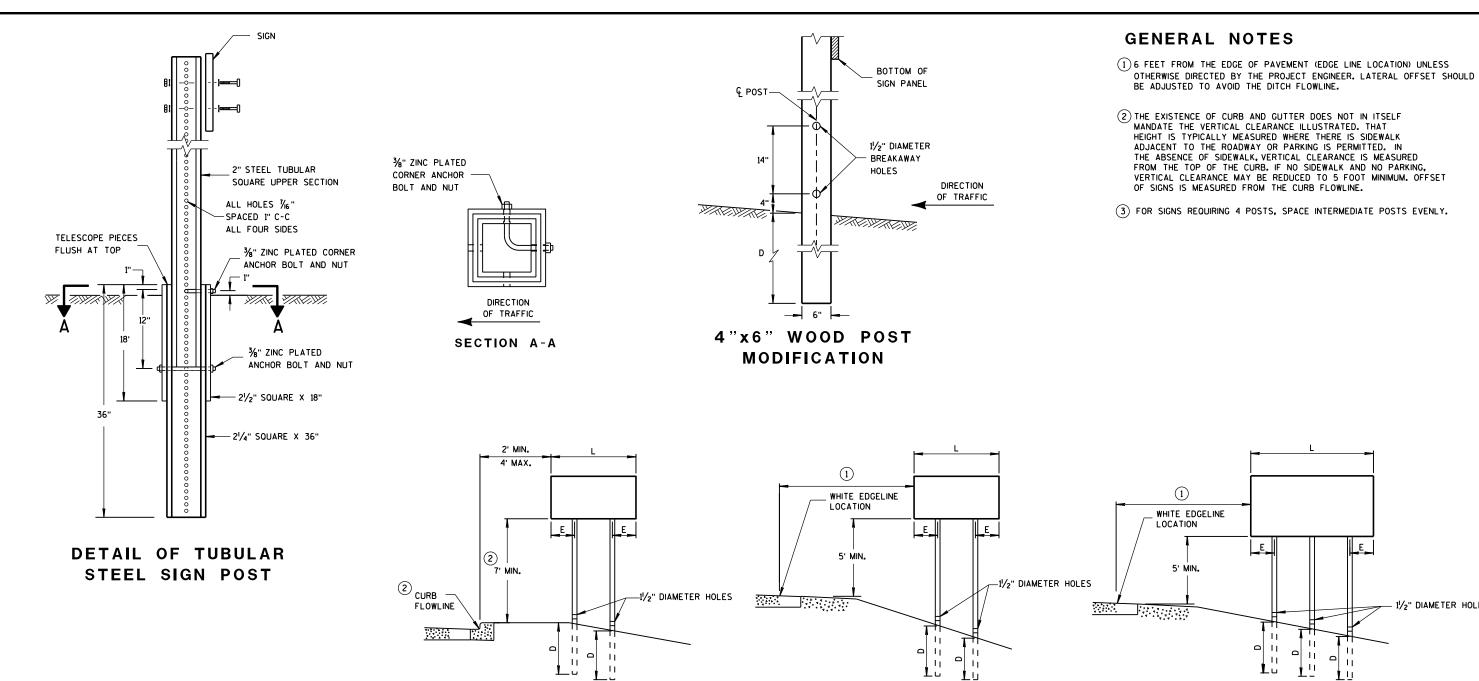
APPROVED	
June 2017	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

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TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SO. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EOUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

URBAN AREA

RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH**

AREA OF SIGN INSTALLATION (SO. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREM	NUMBER OF		
L	E	WOOD POSTS REQUIRED	
48" OR LESS AND LESS THAN 20 SO.FT.	-	1	
LESS THAN 60"	12"	2	؛ [
60" TO 120"	L/5	2	
GREATER THAN 120" LESS THAN 168"	12"	3	
168" AND GREATER	12"	4	

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

-11

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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- 11/2" DIAMETER HOLES

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38-2b

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

- A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D. OR SC 3
- B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 1/6" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - $\frac{9}{32}$ " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SO. FT. REQUIRE THE USE OF 3 FASTENERS.

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER
FHWA

drew Heidtke
ZONE ENGINEER

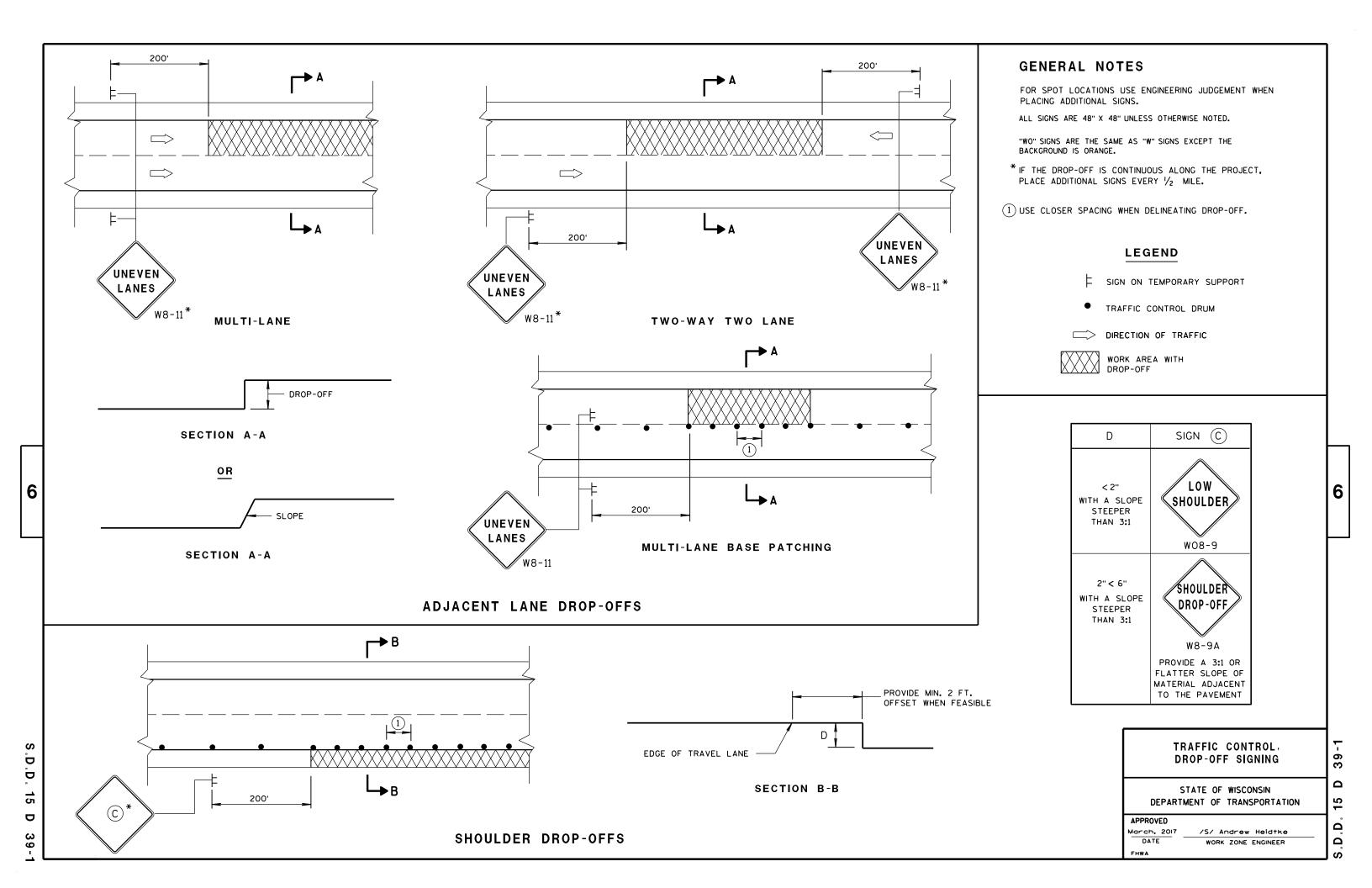
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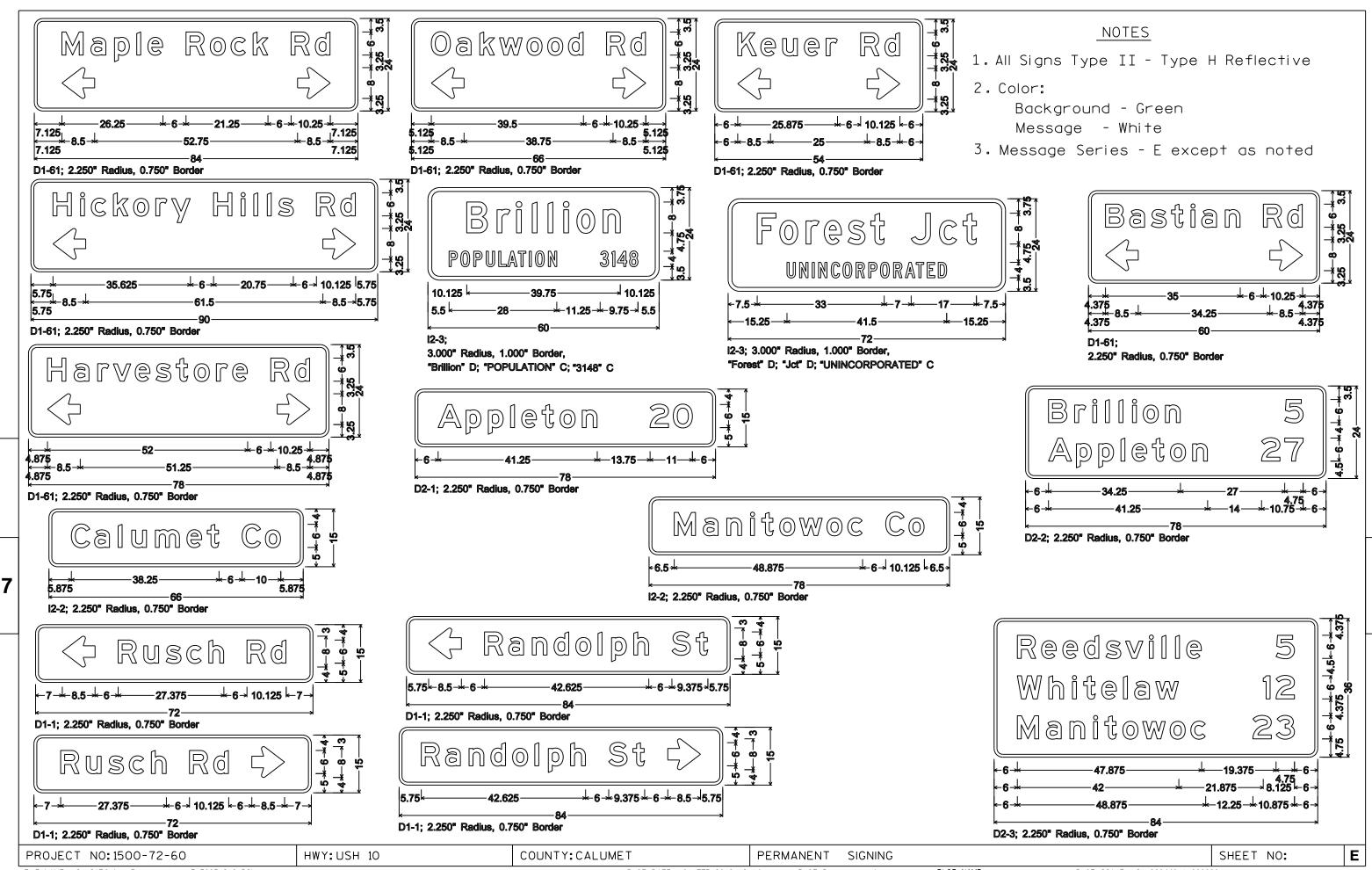
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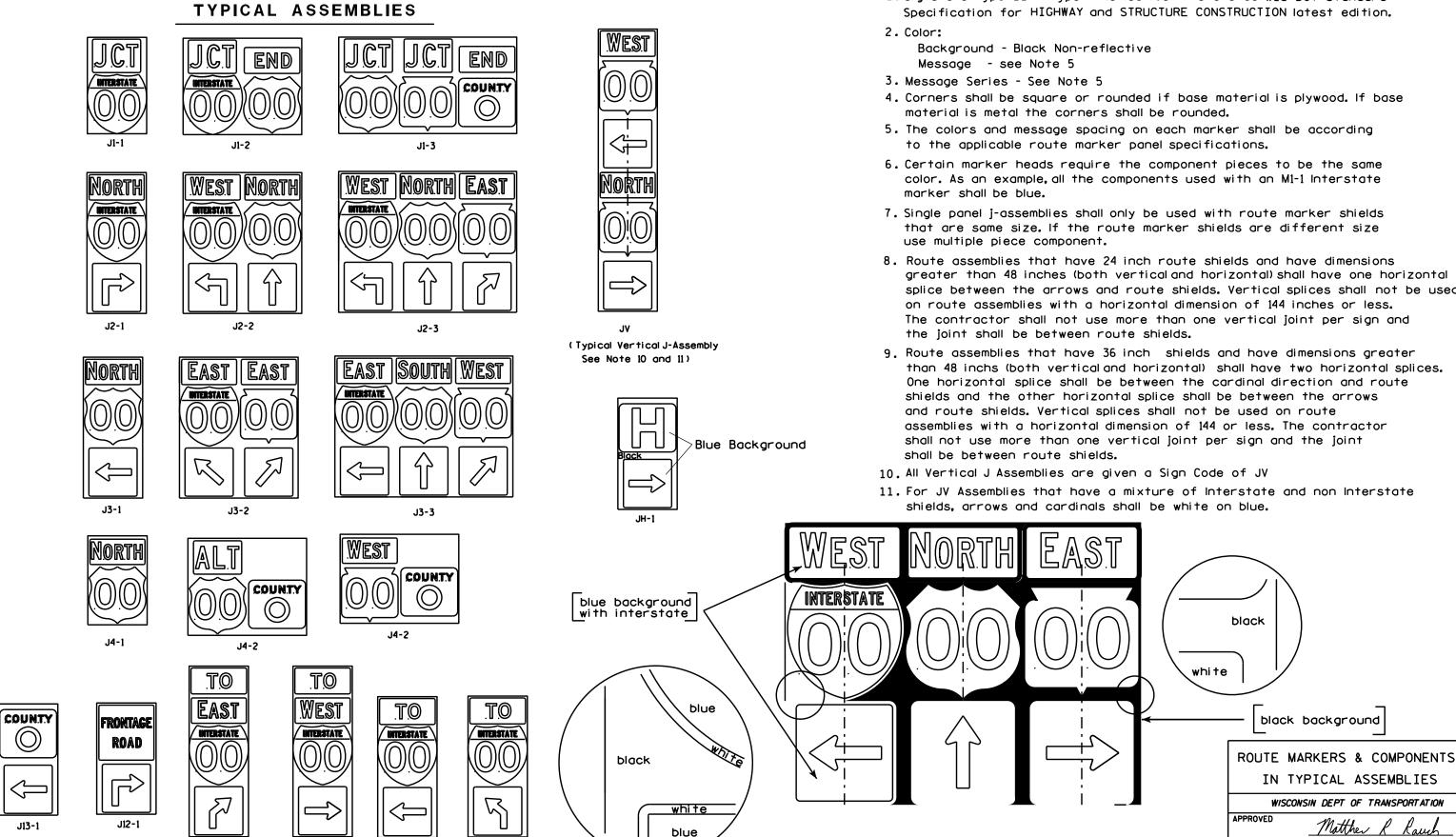
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1. Signs are Type II - Type H Reflective - reference WIS DOT Standard

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:

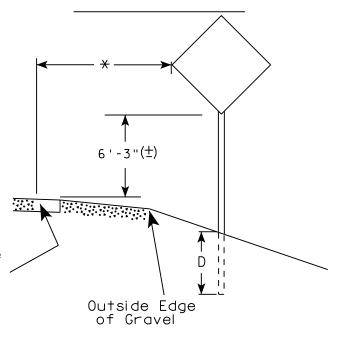
urban area

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

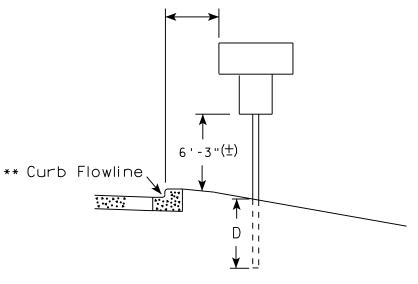
** Curb Flowline

D | White Edgeline Location

RURAL AREA (See Note 2)



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



White Edgeline
Location

Outside Edge
of Gravel

** 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.

* 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.

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" (\pm) depending upon existence of a sub-sign.
- 4. J-Assemblies are considered to be one sign for mounting height.
- 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 (\pm) 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" (±). 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" (±).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

SHEET NO:

PROJECT NO: HWY: COUNTY:



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. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8). Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4''-3'' (±).
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- ** * See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

WISCONSIN DEPT OF TRANSPORTATION APPROVED For State Traffic Engineer DATE 8/21/17 PLATE NO. <u>A4-4.15</u>





	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRE)		
	L	E	
***	Greater than 48" Less than 60"	12"	
	60" to 108"	L/5	

HWY:

SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E
Greater than 108" to 144"	12''

COUNTY:

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

PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

PLOT SCALE: 108.188297:1.000000

WISDOT/CADDS SHEET 42

OF TYPE II SIGNS ON MULTIPLE POSTS

TYPICAL INSTALLATION

SHEET NO:

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



Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS
TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Nather R Raw
For State Traffic Engineer

DATE <u>8/11/16</u>

PLATE NO. <u>44-8.8</u>

PROJECT NO:

FILE NAME : C:\CAFfiles\Projects\tr stdplote\A48 DCN

PLOT DATE . 11-416-2016 11:35

PINT RY * \$\$ nintuser \$\$

SHEET NO:

| | |



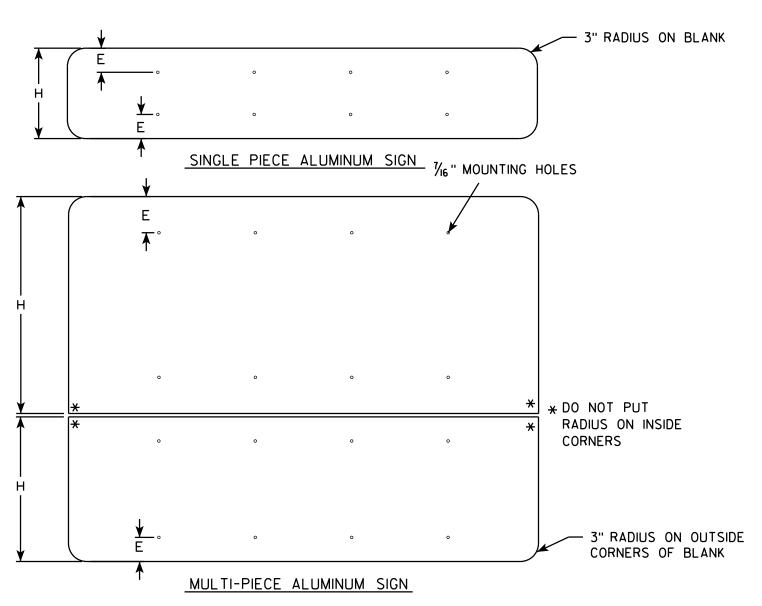
PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

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

For State Traffic Engineer

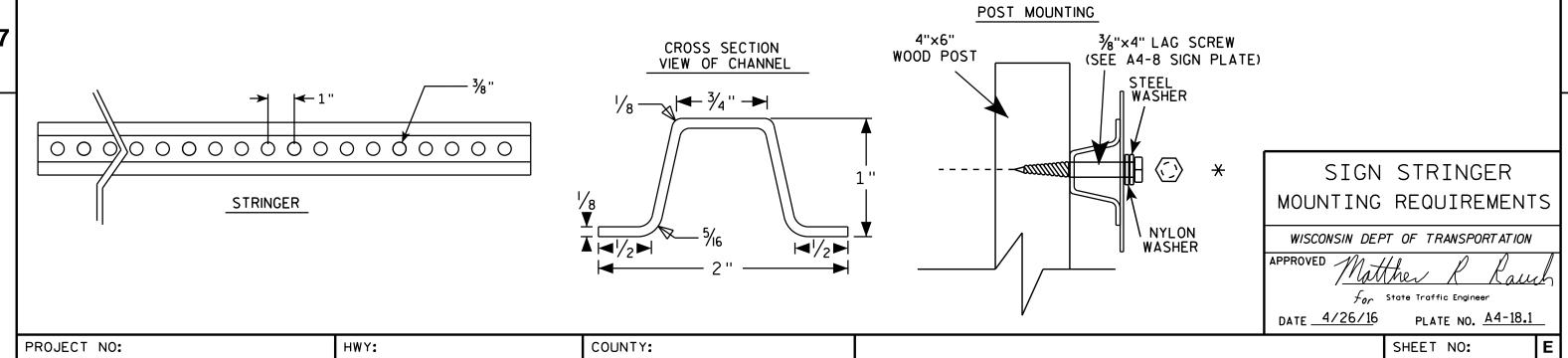




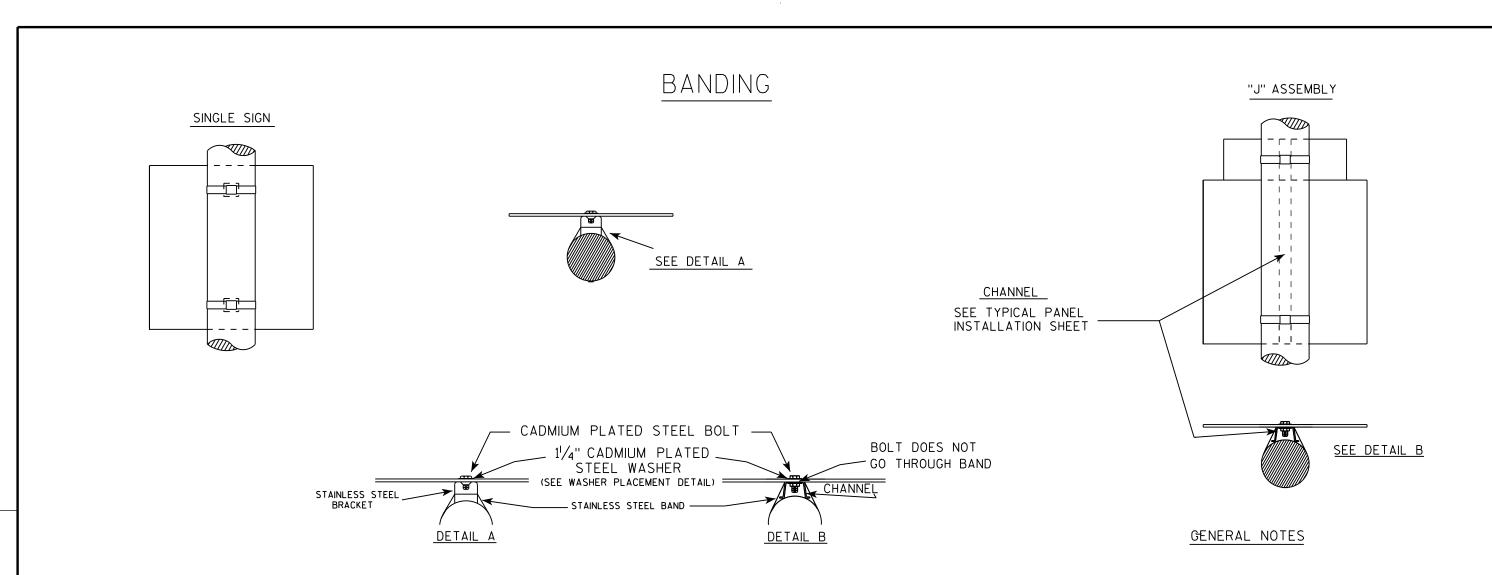
GENERAL NOTES

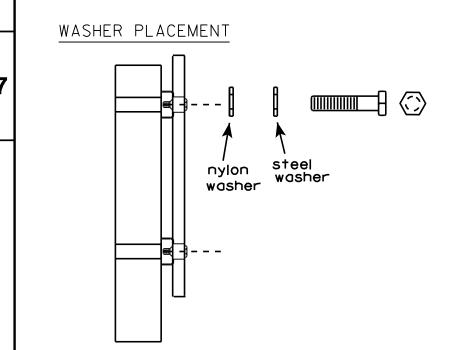
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE $\frac{7}{16}$ " DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING				NTING OLES			
7 8''	7 2"	2	16''	15''	31''	47''	63''			
84''	72"	2	17''	161/2"	331/2"	501/2"	6 7 1/2	1		
90"	72"	2	18''	18''	36''	54''	72"			
96"	90''	2	19''	191/2"	381/2''	57½"	761/2			
102"	90''	2	20"	21''	41''	61''	81''			
108''	90"	2	21''	221/21	' 43 ^l / ₂ ''	641/2"	851/2			
114''	108''	3	15''	12''	2 7 ''	42''	57''	72"	87''	102''
120''	108''	3	16''	12''	28''	44''	60"	76"	92"	108''
126"	108''	3	17''	12''	29"	46''	63''	80"	97''	114''
132"	126''	3	18''	12''	30"	48''	66''	84"	102"	120''
138''	126''	3	19"	12''	31''	50"	69"	88"	107''	126"
144''	126"	3	20"	12''	32"	52"	72"	92"	112''	132"



PLOT BY: mscj9h





HWY:

WASHERS (ALL POSTS) -

COUNTY:

1-1/4" O.D. $X\frac{3}{8}$ " I.D. $X\frac{1}{16}$ " STEEL 1-1/4" O.D. $X\frac{3}{8}$ " I.D. X .080 NYLON FOR ALL TYPE H SIGNS

PLOT BY: mscsja

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED 400 1100 400 400

For State Traffic Engineer

DATE 8/16/13

713 PLATE NO. A5-9.3

SHEET NO:

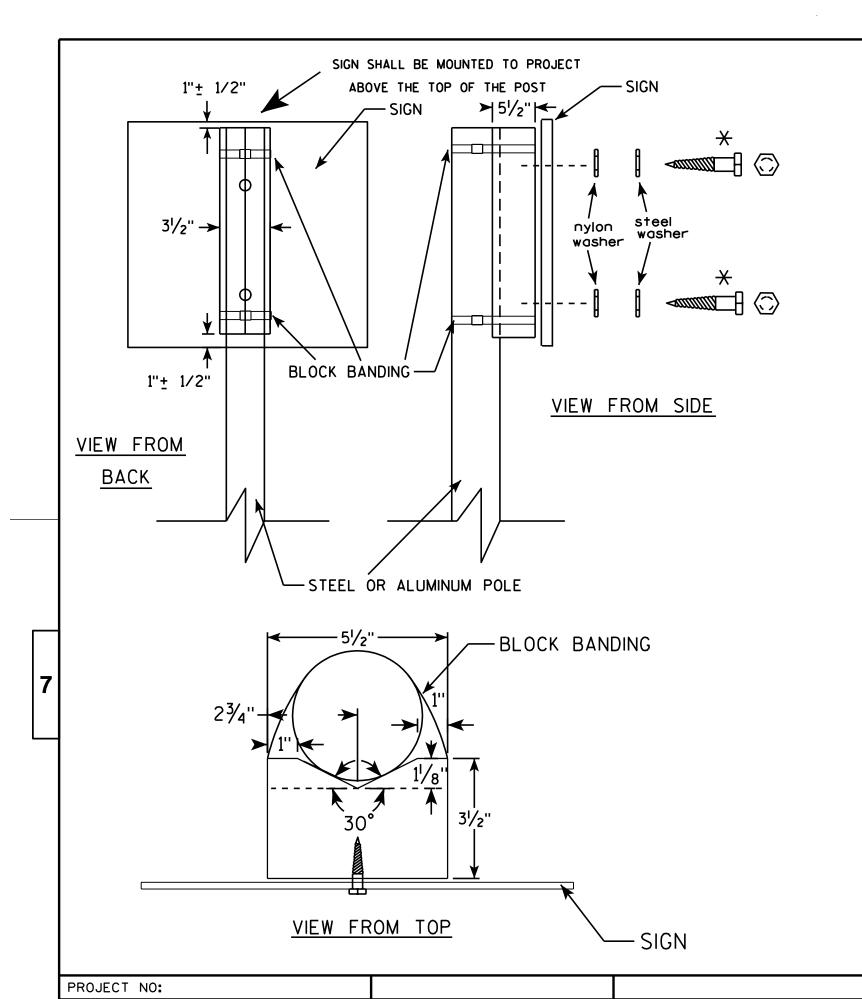
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A59.DGN

PROJECT NO:

PLOT DATE: 16-AUG-2013 13:27

PLOT NAME :

PLOT SCALE: 33.740899:1.000000



GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, 3/4" WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS.

 SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
 - b. Cadmium plated in accordance with ASTM Designation: B 766 TYPE 3, Class 12, or
 - c. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE 11/4" O.D. X 3/8" I.D. X 1/16"
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

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

BLOCK BANDING DETAIL
(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

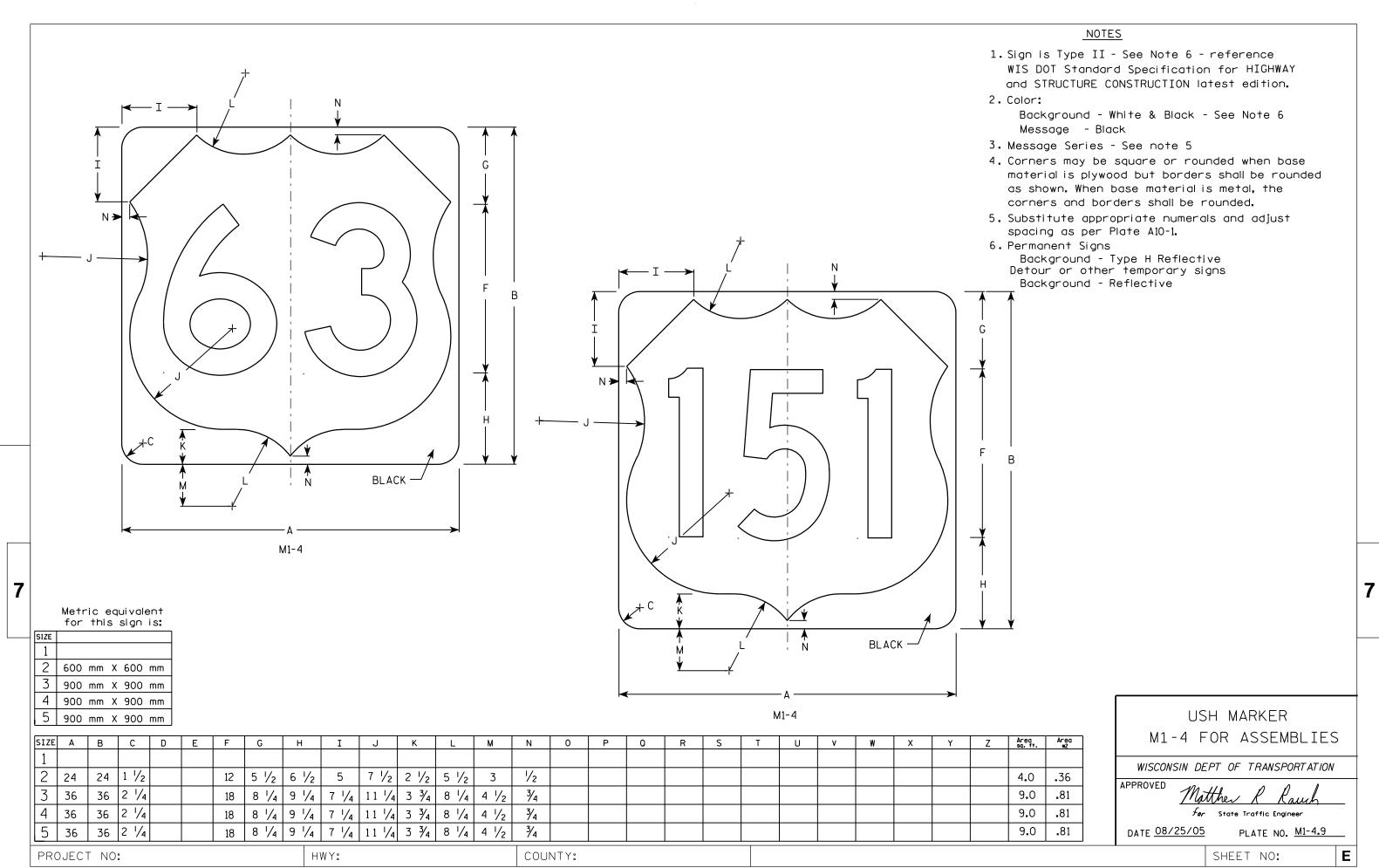
APPROVED

For State Traffic Engineer

DATE 7/12/07

PLATE NO. A5-10.1

SHEET NO:



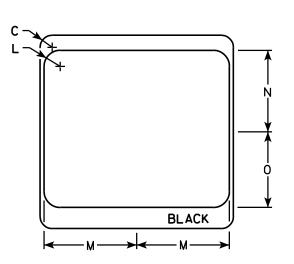
FILE NAME : C:\Users\Projects\tr_stdplate\M14.DGN

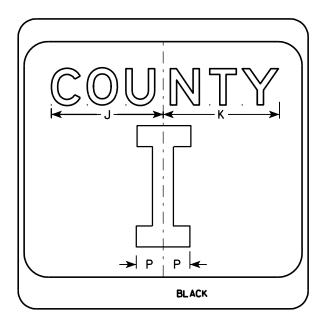
- 1. Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

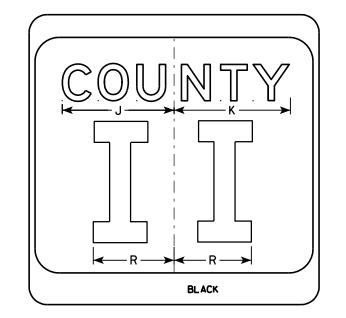
Background - White & Black - See Note 7 Message - Black

- 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







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																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 %	2	11 1/2	10 1/8	9 %	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 %		10									9.0
5	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
																			_								

COUNTY:

CTH MARKER M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

FerState Traffic Engineer PLATE NO. M1-5A.8 DATE 9/27/11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M15A.DGN

PROJECT NO:

BLACK

HWY:

M1-5A

PLOT DATE: 29-SEP-2011 11:25

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 5.959043:1.000000

WISDOT/CADDS SHEET 42

- 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

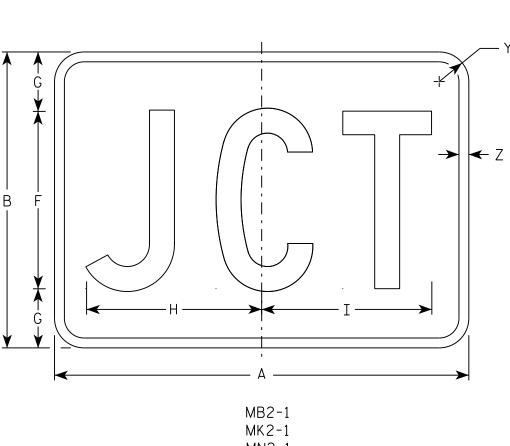
Message - White

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:

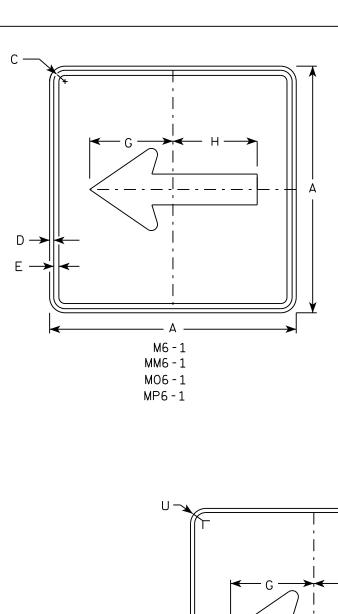
FILE NAME · C·\CAFfiles\Projects\tr stdnlote\M31 DCN

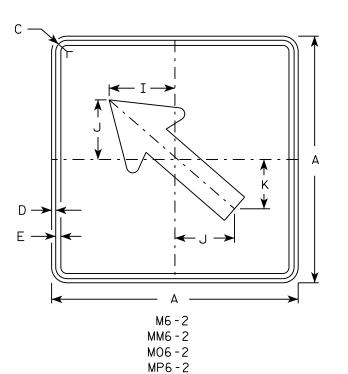
PROJECT NO:

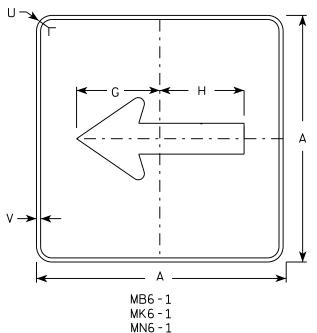
PLOT DATE . 01-DEC-2015 17:54

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

PLOT SCALE . 11 675051.1 000000

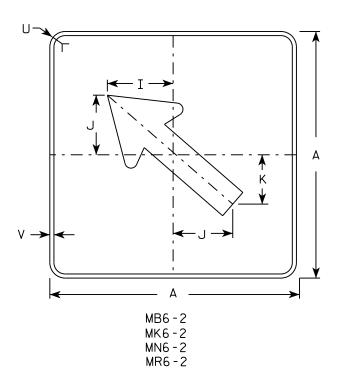






MR6-1

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

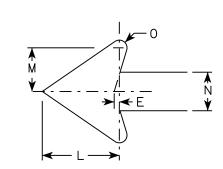
Message - Black

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:

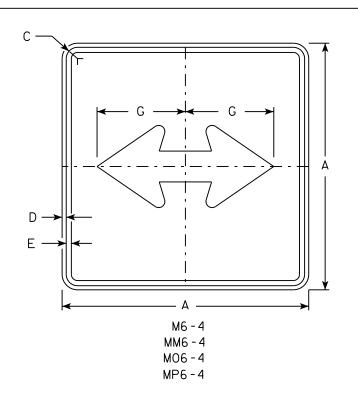
FILE NAME · C·\CAFfiles\Projects\tr stdplote\M61 DCN

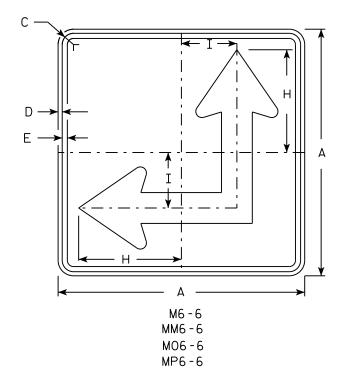
PROJECT NO:

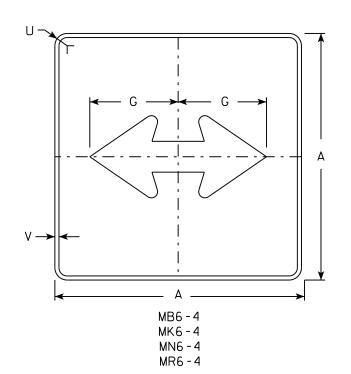
PLOT DATE . 01-DEC-2015 17:57

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

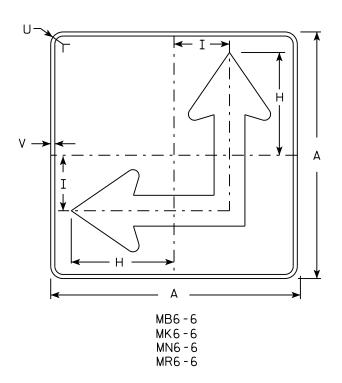
PLOT SCALE . 11 675051.1 000000







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. M6-4 and M6-6 Background White Message - Black

MB6-4 and MB6-6 Background - Blue

Message - White

MK6-4 and MK6-6 Background - Green

Message - White

and MM6-6 Background - White MM6-4

Message - Green

MN6-4 and MN6-6 Background - Brown

Message - White

M06-4 and M06-6 Background - Orange - Type F Reflective

Message - Black

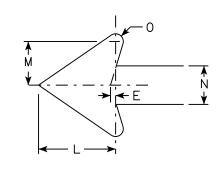
MP6-4 and MP6-6 Background - White

Message - Blue

MR6-4 and MR6-6 Background - Brown

Message - Yellow

5. M6-6R same as M6-6L except arrow points ahead and right.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	a	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			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	12 1/2	6 3/4			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	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 1/8	1/2					6.25
																											==

COUNTY:

STANDARD SIGN M6-4 & M6-6 SERIES

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 10/15/15

PLATE NO. M6-4.10 Ε

PLOT DATE . 01-DEC-2015 17.58

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

PLOT SCALE . 11 675051.1 000000

PROJECT NO:



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

Background - Red Message - White

3. Message Series - C

*								— А — ;											A	
									H			- G -							F	A
		E						 	-1			_//								*
D	E	F	G	н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х

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	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

COUNTY:

STANDARD SIGN R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE <u>11/12/15</u>

PLATE NO. _____R1-1.13

SHEET NO:

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

HWY:

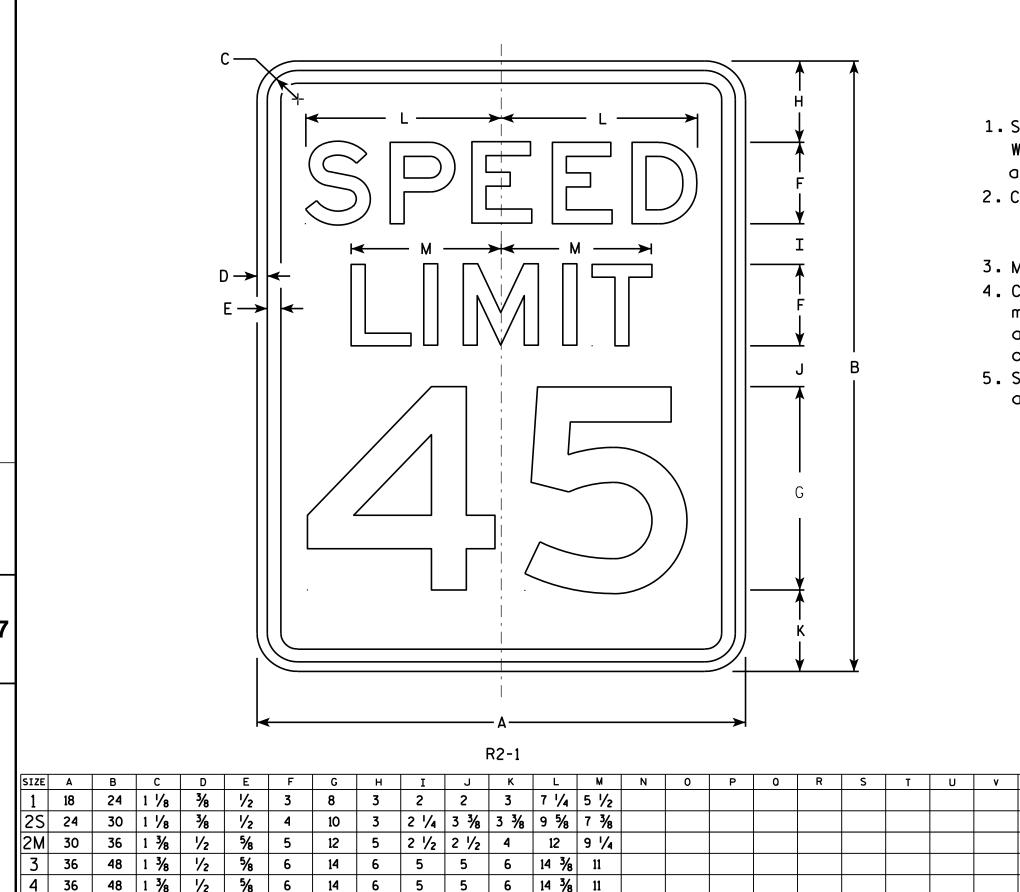
PROJECT NO:

PLOT DATE: 22-AUG-2017 07:19

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

PLOT SCALE: 4.427909:1.000000

WISDOT/CADDS SHEET 42



4 1/2 6 3/4 6 3/4 19 1/4 14 5/8

COUNTY:

20

HWY:

6

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.
- 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 PLATE NO. R2-1.13

DATE <u>5/26/1</u>0

SHEET NO:

2 1/4

60

5

48

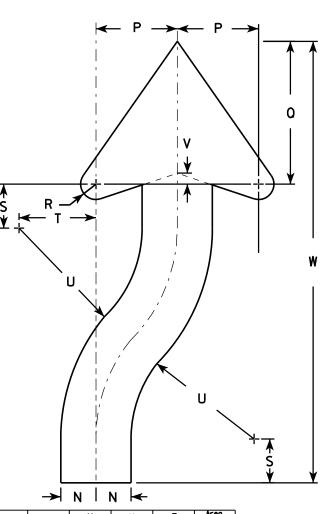
PROJECT NO:

PLOT NAME :

- 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.



ARROW DETAIL

																							→	N I	N 		
SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	×	Y	Z	Arec sq. f
1	18	24	1 1/8	3∕8	1/2	3 %	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5%	1 %	3 1/4	6 3/4	1/2	20 3/8				3.0
25	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	1 / ₈	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2N	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 %	11 1/8	2 1/8	4 1/2	12	6	18 3/4	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 1/2	1	40 3/4				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 3/4	3	45	6 %	12 1/4	1 1/4	3 3/4	6 %	13 1/2	1	40 3/4				12.
5	48	60	2 1/4	3/4	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 ¾	18	1 1/4	50 1/4				20.

COUNTY:

R4-7

STANDARD SIGN R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer
3/25/2011 PLATE NO. R4-

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

SHEET NO:

PROJECT NO:

D→

HWY:

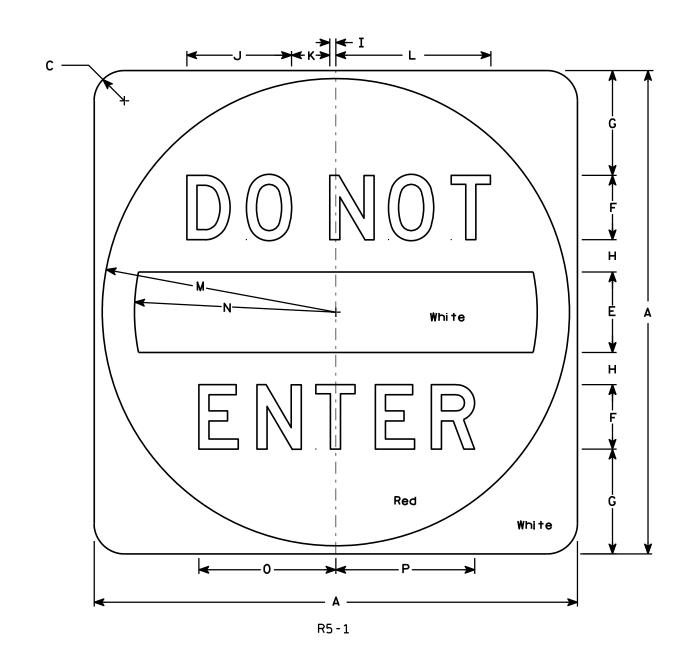
PLOT BY: mscsja

<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.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	P	0	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
25	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 1/2	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

10 PLATE NO. R5-1.15

Р

PLOT NAME :

HWY:

PROJECT NO:

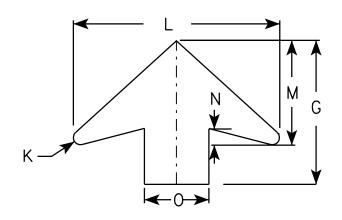
00 S3-1

NOTES

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

Background - YELLOW-GREEN Message - BLACK except as noted Circles except PEDS- RED BACKGROUND

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.



RROW	DFTAII

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	12 1/2	5 1/4	5 ½	1/2	16	8	1 1/4	5	1 1/2		6 %	5 %	10 %							6.25
2	36		1 %	5/8	₹4	7 1/2	13 1/2	15 1/8	6 1/4	6 1/2	5/8	19 1/4	9 3/4	1 %	6	1 1/8		7 1/8	6 3/8	12 3/8							9.0
3	48		2 1/4	3/4	1	10	17 1/8	20 1/8	8 3/8	8 3/4	7 ⁄8	25 %	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
4	48		2 1/4	₹4	1	10	17 1/8	20 1/8	8 3/8	8 ¾	1 / ₈	25 %	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
5																											

STANDARD SIGN S3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer DATE <u>6/8/10</u>

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\S31.DGN

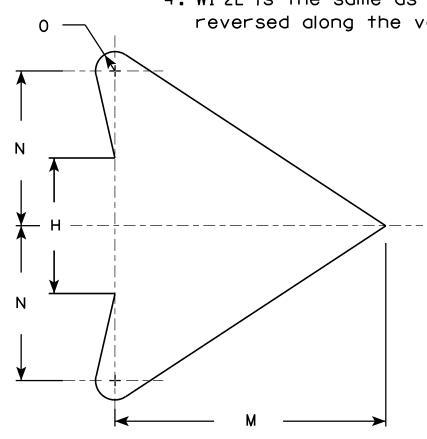
PROJECT NO:

PLATE NO. <u>\$3-1.6</u>

- 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. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



								W	1-2R													<u> </u>	11011	DLIA	_		
SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	M	N	0	Р	0	R	S	Т	U	v	W	×	Y	Z	Areo sq. ft.
1	24		1 1/8	3⁄8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
25	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 %	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
3	36		1 %	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1												16.0
					·					·		<u> </u>		l	·	l	l			1	l	l					

COUNTY:

STANDARD SIGN W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch For State Traffic Engineer

DATE <u>5/15/12</u>

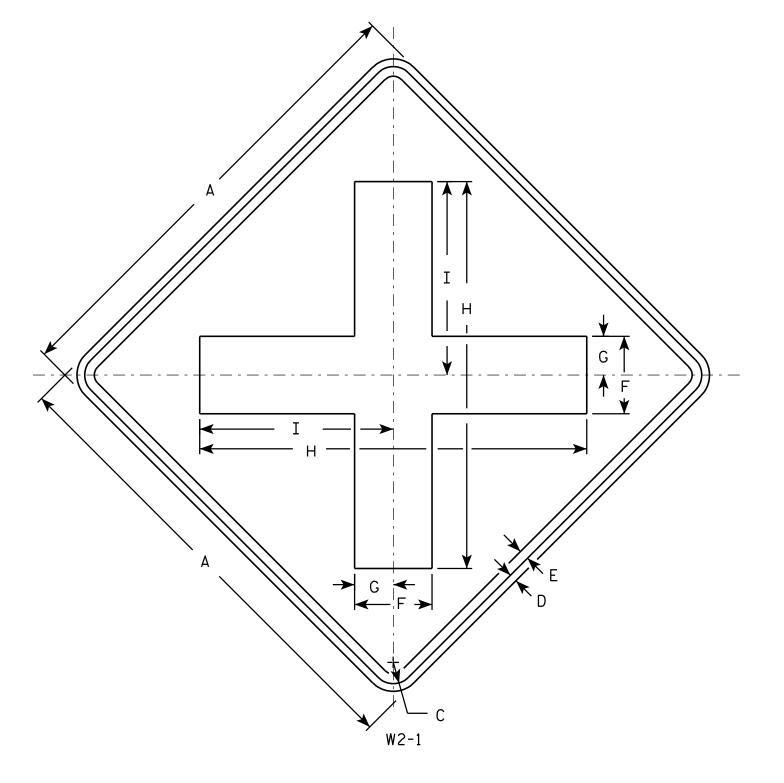
PLATE NO. W1-2.10

SHEET NO:

PROJECT NO:

← H →

HWY:



- 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.

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Areo sq. ft.
1	24		1 1/8	3/8	1/2	4	2	20	10																		4.0
25	30		1 3/8	1/2	5/8	5	2 1/2	25	12 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	2 1/2	25	12 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3	30	15																		9.0
4	48		2 1/4	3/4	1	8	4	40	20																		16.0
5																											

COUNTY:

STANDARD SIGN W2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch
For State Traffic Engineer

DATE 5/29/12

PLATE NO. W2-1.9

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W21.DGN

PROJECT NO:

HWY:

PLOT DATE: 29-MAY-2012 10:10

PLOT NAM

PLOT BY: mscsja

PLOT SCALE: 6.202372:1.000000

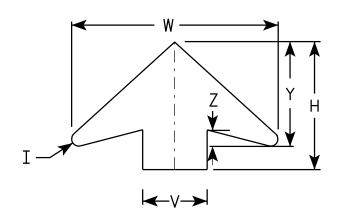
WISDOT/CADDS SHEET 42

- 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 C for numbers Series E for wording
- 4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	×	Y	Z	Area sq. ft
1																											
25	36		1 %	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
2M	36		1 %	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
3	36		1 %	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3∕8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 %	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	1 /8	30	2 1/4	4	1 1/4	15	10	1 %	1/2	8	9 1/4	9 3/8	12	8	25 %	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7 /8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 %	3/8	13	2	16.0

STANDARD SIGN W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch.

DATE 5/29/12 PLATE NO. W3-5.5

SHEET NO:

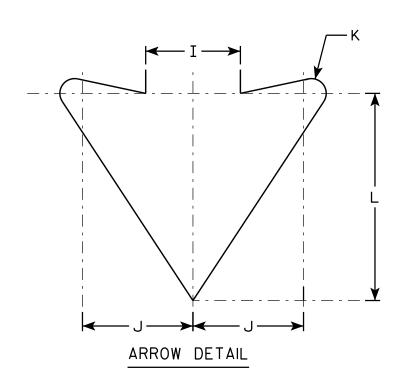
PROJECT NO:

<u>NOTES</u>

- 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.



									W6	-3																	
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	v	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	11 1/8	10 1/4	2 1/2	3 3/4	4 3/8	5/8	8 1/4															6.25
2S	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 %															9.0
2M	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 %															9.0
3																											
4	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0
5	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0

COUNTY:

STANDARD SIGN W6 - 3

WISCONSIN DEPT OF TRANSPORTATION

DATE 3/10/16 PLATE NO. W6-3.11

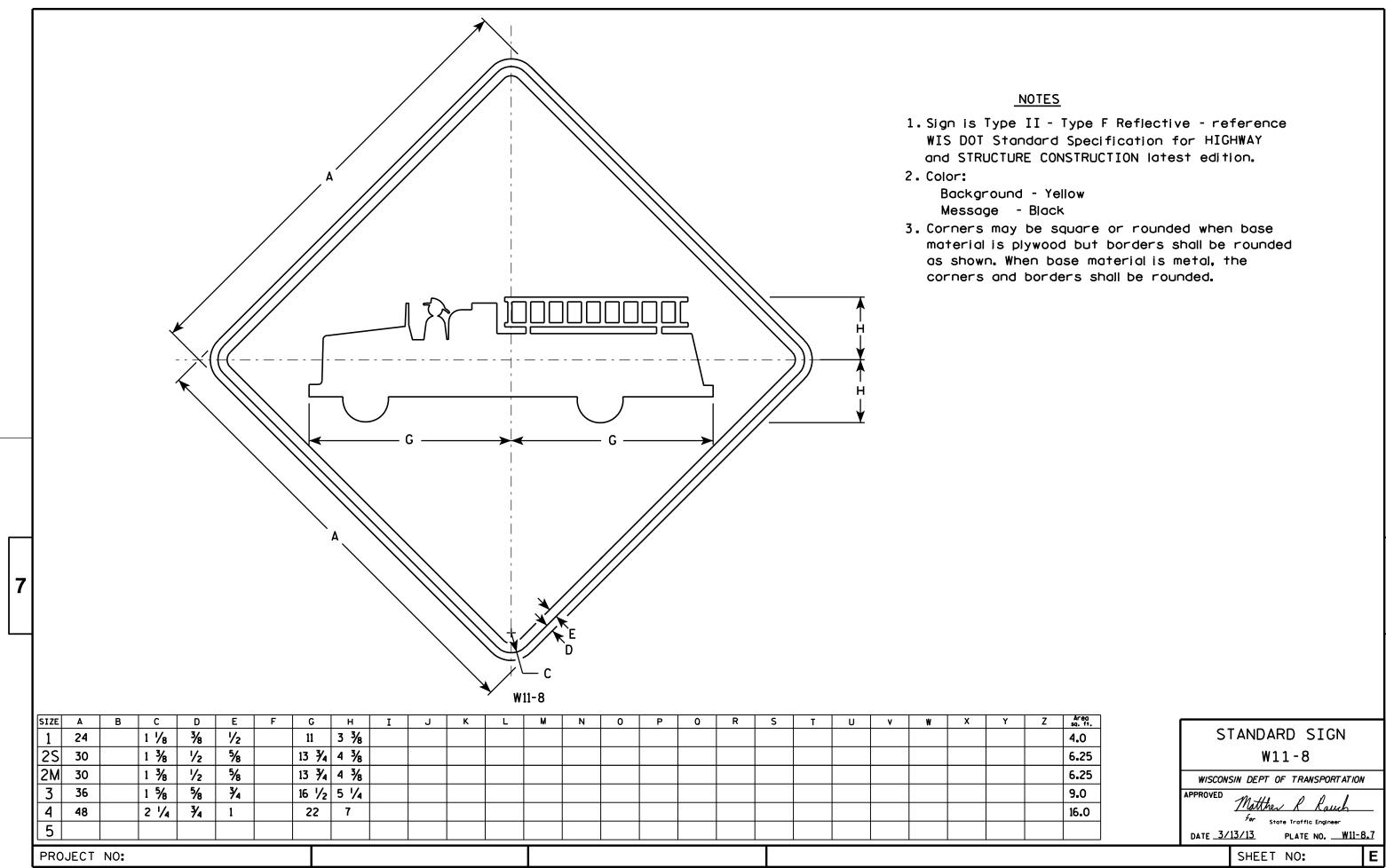
SHEET NO:

PLOT DATE: 10-MAR-2016 14:01 PLOT SCALE: 6.080757:1.000000 PLOT BY: mscsja

PROJECT NO:

← [→**⊢**

HWY:





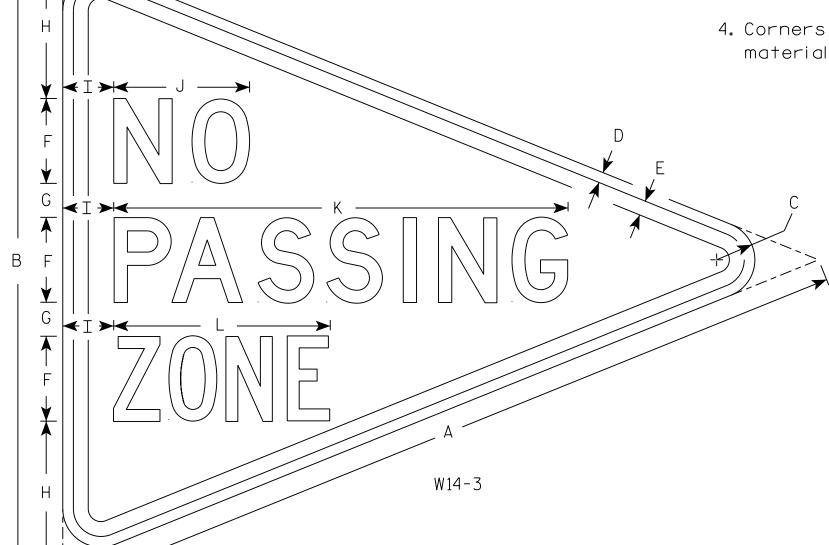
- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow

Message – Black

3. Message Series - Lines 1 and 2 are Series D. Line 3 is series C.

4. Corners and borders shall be rounded on all base materials for this sign.



			,																								
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	<i>7</i> ⁄8	5	2	8 ½	3	8	26 ¾	12 3/4															5 . 56
2M																											
3																											
4																											
5																											
PRO	JECT	NO:					Н	WY:					COL	INTY:													

STANDARD SIGN W14-3

WISCONSIN DEPT OF TRANSPORTATION

500 3/21/17

E 3/21/17 PLATE NO. W14-3

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W143.DGN

PLOT DATE: 21-MAR-2017 08:48

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

PLOT SCALE : 5.650195:1.000000

WISDOT/CADDS SHEET 42



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov