## SUP JUNE 2013

### ORDER OF SHEETS

Carting Na O Trained Carting And T	
Section No. 2 Typical Sections And I	Jetai
Section No. 3 Estimate of Quantitles	
Section No. 3 Miscellaneous Quantitie	5
Section No. 1 Right of Way Plat	
Section No. 5 Plan and Profile	
Section No. 6 Standard Detail Drawin	105
Section No. 7 Sign Plates	
- Section No. 8 Structure Plans	
-Section No. 9 Computer Earthwork D	ata

TOTAL SHEETS = 108



#### DESIGN DESIGNATION

			USH 2	USH 63	
AADT	(2009)	=	5100	2200	
AADT		$\equiv$	5300	2300	
AADT	(5033)	=	6500	2900	
D (%)		=	63/37	62/38	
T (% 0	F ADTO	=	19.5	12.7	
DESIGN	SPEED	=	60	60	
ESALS		= 2	2,321,400	664,300	

CONVENTION	AL SYMBOLS
PLAN	
REMOVE ASPHALTI	SURFACE ////////
REMOVE ASPHALTI	C SURFACE ************************************
CORPORATE LIMITS	11111111
REFERENCE LINE	
COMBUSTIBLE FLUI	os -caution-
UTILITIES	V
ELECTRIC	E
FIBER OFTIC	FO
GAS	c
SANITARY SEWER	SAN
STORM SEWER	ss
TELEPHONE	- T-
WATER	— w —
UTILITY PEDESTAL	X
POWER POLE	4

TELEPHONE POLE

Ø

## STATE OF WISCONSIN

## DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY REHABILITATION - MAINTENANCE PROJECT

INO - ASHLAND (CTH E - USH 63) USH 2

BAYFIELD COUNTY

S	TATE PRI	DJECT NU	MBER
111	80-	-04-	-60

# DRUMMOND - USH 2

(STH 118 - USH 2)

STATE PROJECT

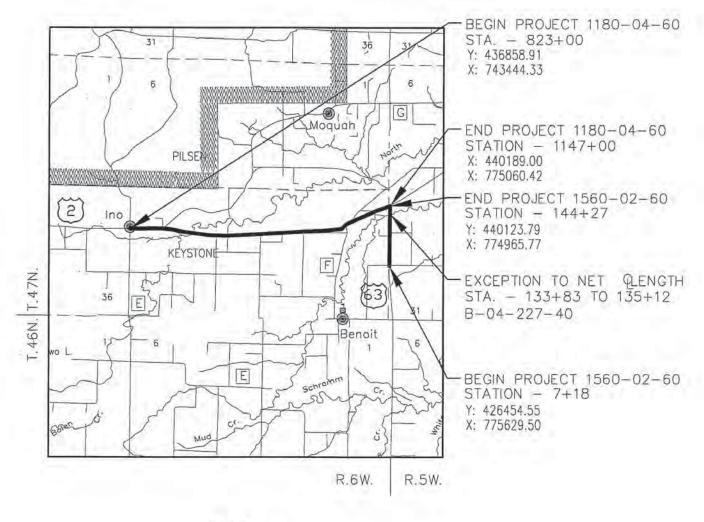
1180-04-60

1560-02-60

USH 63

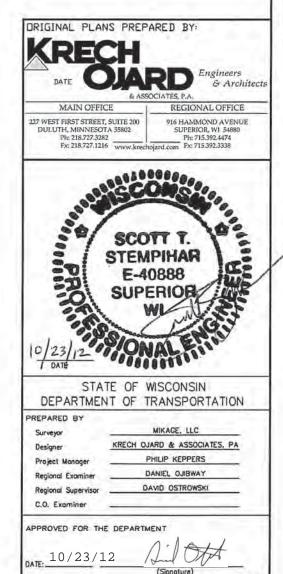
BAYFIELD COUNTY

STATE PROJECT NUMBER



LAYOUT

TOTAL NET LENGTH OF CENTERLINE = USH 2 - 6.136 MI USH 63 - 2,572 MI COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), BAYFIELD COUNTY.



FEDERAL PROJECT

CONTRACT

\_

\_

PROJECT

STANDARD ABBREVIATIONS ABUT ABUTMENT AGG AGGREGATE APRON ENDWALL FOR CULVERT PIPE REINFORCED AECPRC ASPH ASPHALTIC AVG AVERAGE ADT AVERAGE DAILY TRAFFIC BACK FACE RM BENCH MARK BR BRIDGE COMMERCIAL ENTRANCE CL OR C/L CENTER LINE CONC CONCRETE CPRC CULVERT PIPE REINFORCED CONCRETE CULVERT PIPE REINFORCED CONCRETE HORIZONTAL CPRCHE CR CREEK CUBIC YARD C & G CURB AND GUTTER

CPRCHE ELLIPTICAL
CR CREEK
CY CUBIC YARD
C & G CURB AND GUTTER
D DEGREE OF CURVE
DHV DESIGN HOUR VOLUME
DISCH DISCHARGE
DG DITCH GRADE
DWY DRIVEWAY
X EAST GRID COORDINATE

( EAST GRID COORDINATE

AT STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

EDR END POINT OF RADIUS
EL ELEVATION
ENT ENTRANCE

ESALS ENTRANCE EQUIVALENT SINGLE AXLE LOADS

ESALS ENTRANCE EQUIVALENT SINGLE
EXC EXCAVATION
EBS EXCAVATION BELOW SUBGRADE
EXIST EXISTING
FC FACE OF CURB

FC FACE OF CURB
FF FACE TO FACE
FERTILIZE
FE FIELD ENTRANCE
FL FLOW LINE
FO FIBER OPTIC
CWT HUNDREDWEIGHT
HYD HYDRANT
ID INSIDE DIAMETER
INV INVERT

INV INVERT
IP IRON PIPE ON PIN
LHF LEFT—HAND FORWARD
L LENGTH OF CURVE
LF LINEAR FOOT
LC LONG CHORD OF CURVE
LS LUMP SUM
MH MANHOLE

 MDR
 MID POINT OF RADIUS

 NC
 NORMAL CROWN

 NO
 NUMBER

 OBLIT
 OBLITERATE

 PAY
 PAVEMENT

 PE
 PRIVATE ENTRANCE

PVRC POINT OF VERTICAL REVERSE CURVE QOR QUARTER POINT OF RADIUS

OR QUARTER POINT RADIUS

RFO'D REQUIRED

RES RESIDENCE OR RESIDENTIAL RHF RIGHT-HAND FORWARD R/W RIGHT-OF-WAY RIVER RDWY ROADWAY R/L REFERENCE LINE SALV SALVAGED SAN SANITARY SEWER SF SOUARE FEFT SY SQUARE YARD

SY SQUARE YARD

SDD STANDARD DETAIL DRAWINGS

STA STATION

SS STORM SEWER

SSPRC STORM SEWER PIPE REINFORCED CONCRETE
SE SUPERELEVATION RATE
TC TOP OF CURB

T OR TN TOWN
T TRUCKS (PERCENT OF)
TYP TYPICAL
VAR VARIBLE
VC VERTICAL CURVE
Y NORTH GRID COORDINATE

GENERAL NOTES

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

THE LOCATION OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE PRIOR TO THE START OF WORK.

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

CURVE DATA IS BASED ON THE ARC DEFINITION.

THE LOCATION OF ALL DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.

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

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

NO EQUIPMENT OR MATERIAL SHALL BE STORED IN WETLAND AREAS.

PRIOR TO THE PLACEMENT OF STEEL PLATE BEAM GUARD, THE SHOULDERS SHALL BE IN PLACE, SHAPED, AND COMPACTED UNLESS SHOWN OTHERWISE.

HMA PAVEMENT TYPE E-3 SPECIAL WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.

HMA PAVEMENT TYPE E-10 SPECIAL WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.

STATIONING, DISTANCES AND OFFSETS FOR PROPOSED SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND THE LOCATIONS OF SIGNS ARE TO BE COORDINATED IN THE FIELD WITH THE ENGINEER.

UNDISTRIBUTED QUANTITIES SHALL BE ADMINISTERED BY THE ENGINEER.

THE EXACT LOCATIONS OF THE SIGNS ARE TO BE COORDINATED IN THE FIELD WITH THE ENGINEER

ACTUAL BEGIN AND END STATIONS FOR PAVEMENT MARKINGS TO BE DETERMINED IN THE FIELD AFTER SPOTTING.

PAVEMENT THICKNESS (IN)	LOWER (IN)	UPPER (IN)
2	_	2
4	2.25	1.75

ORDER OF SECTION 2 SHEETS

GENERAL NOTES TYPICAL SECTIONS CONSTRUCTION DETAILS

**UTILITY CONTACTS** 

BAYFIELD ELECTRIC COOPERATIVE INC. P.O. BOX 68 IRON RIVER, WI 54847 TELEPHONE: 715-372-4287 ATTENTION: GARY TARASEWICZ

CHEQUAMEGON COMMUNICATIONS COOPERATIVE INC. 43750 USH 63 P.O. BOX 67 CABLE, WI 54821 TELEPHONE: 715-798-3303 ATTENTION: STEVEN FORSMAN

**COUNTY** 

BAYFIELD CO. HWY COMMISSIONER THOMAS R. TOEPFER 311 S. 1ST AVE. E. WASHBURN, WI 54891 TELEPHONE: 715-373-6115 NW REGION CONTACT

PHILIP KEPPERS 1701 N. 4TH ST. SUPERIOR, WI 54880 TELEPHONE: 715-395-3027

WisDNR CONTACT

WDNR - NORTHWEST
DISTRICT HEADQUARTERS
810 WEST MAPLE STREET
SPOONER, WI 54801
TELEPHONE: 715-635-4228
ATTENTION: SHAWN HASELEU
E-MAIL:
SHAWN.HASELEU@WISCONSIN.GOV

**DESIGN CONTACT** 

SCOTT STEMPHIAR
KRECH OJARD & ASSOCIATES
227 WEST 1ST STREET, SUITE 200
DULUTH, MN 55802
TELEPHONE: 218-727-3282

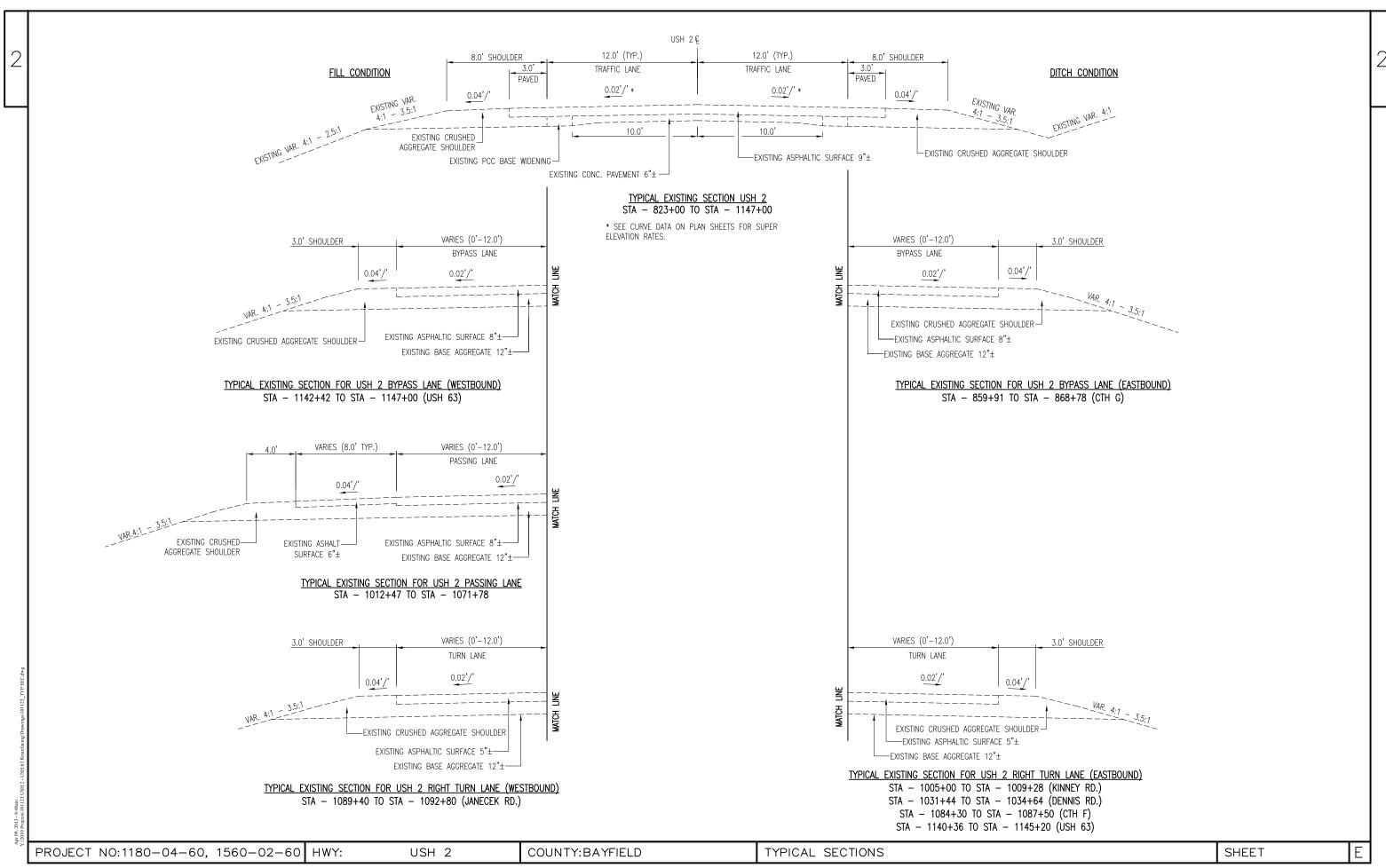
E-MAIL: SCOTT.STEMPIHAR@KRECHOJARD.COM

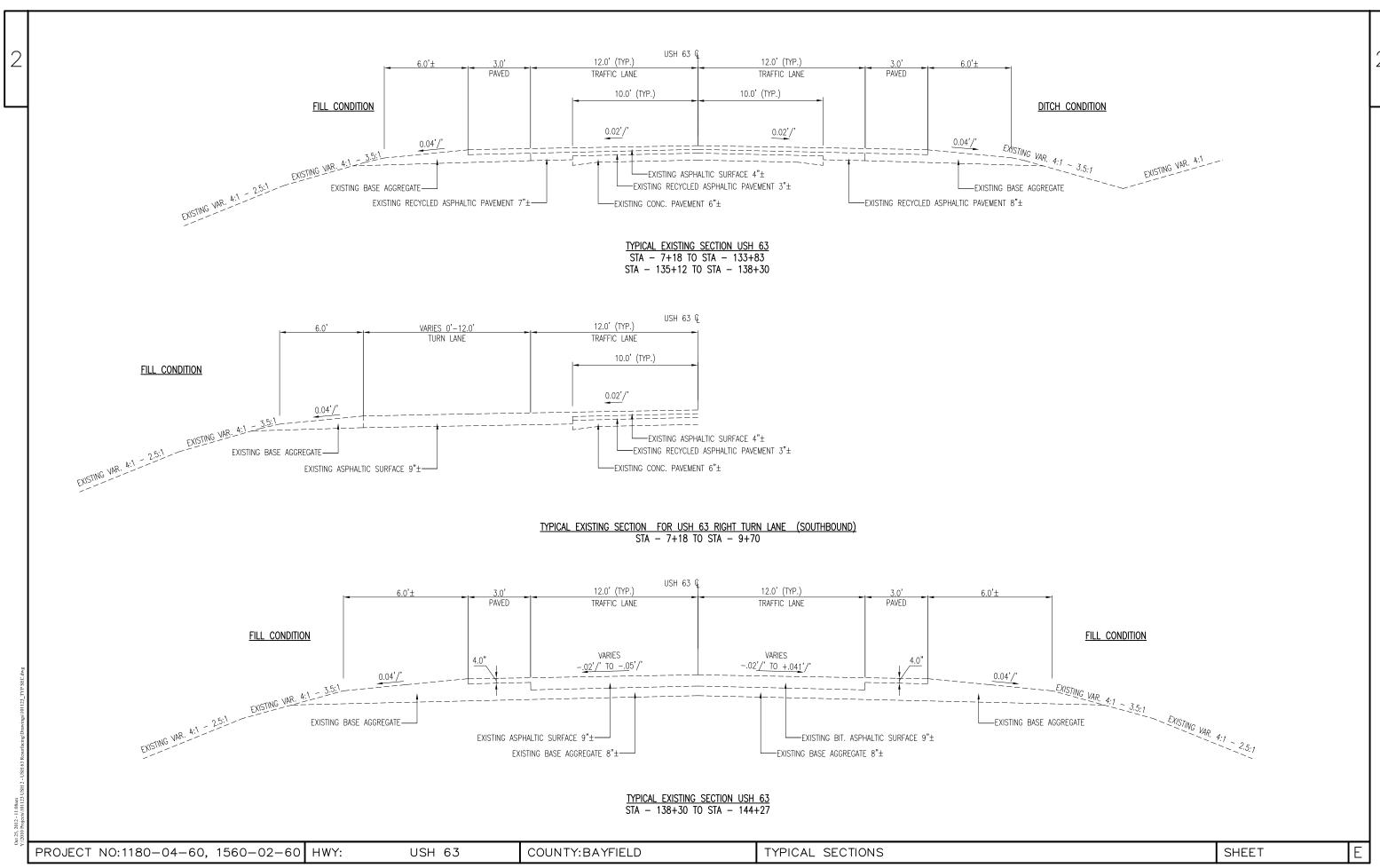


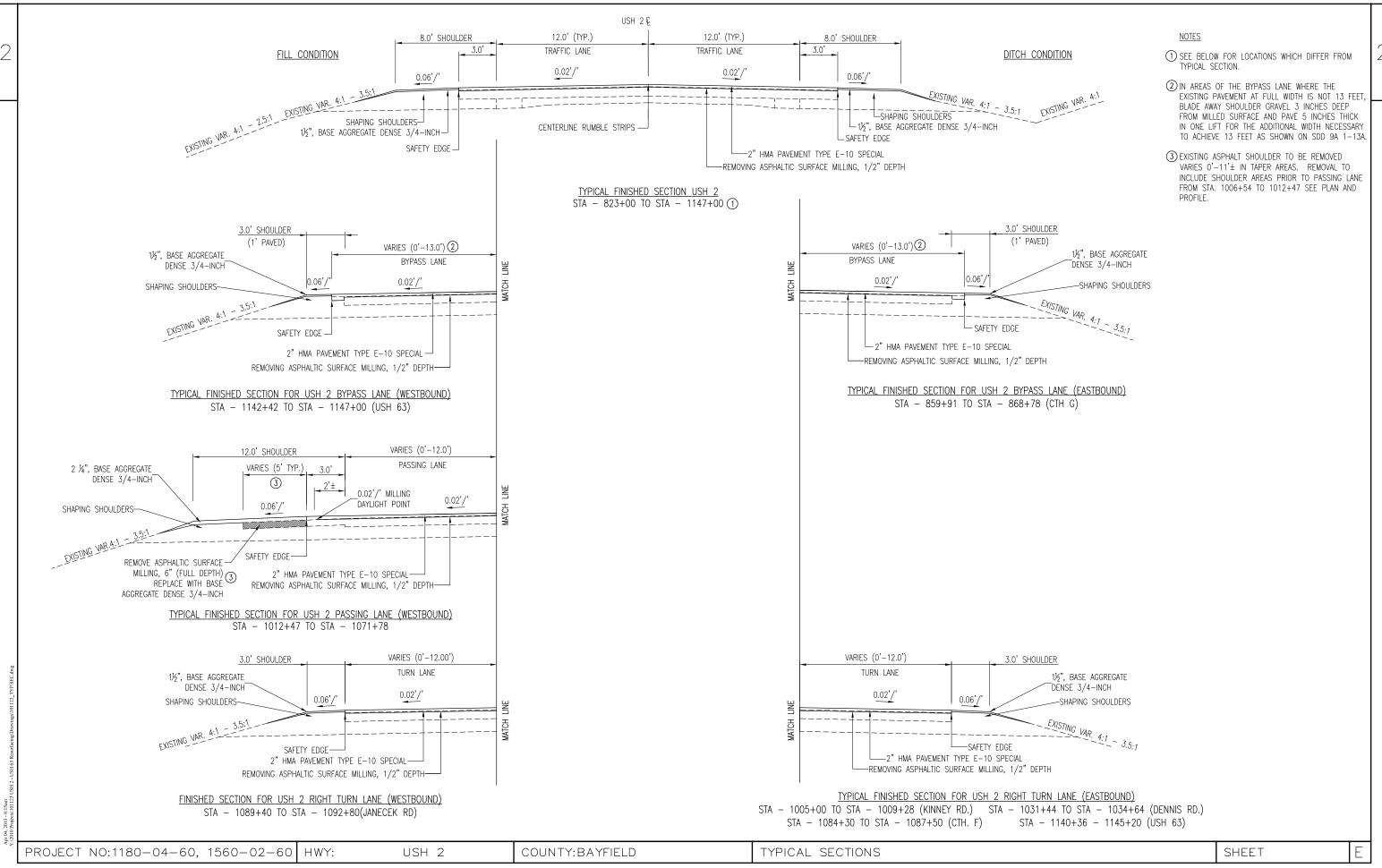
Call 811 3 Work Days Before You Dig or Toll Free (800) 242-8511 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

\*\* NOT MEMBERS OF DIGGERS HOTLINE

PROJECT NO: 1180-04-60, 1560-02-60 HWY: USH 2, USH 63 COUNTY: BAYFIELD GENERAL NOTES



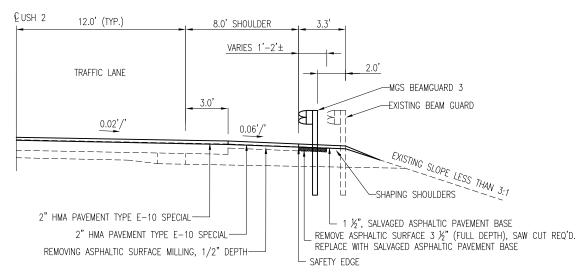




DEAN CHARD DETAIL

(1) SEE ASPHALTIC PAVING ALONG BEAM GUARD DETAIL AND PLAN SHEETS FOR TAPER DETAIL AND MORE INFORMATION.

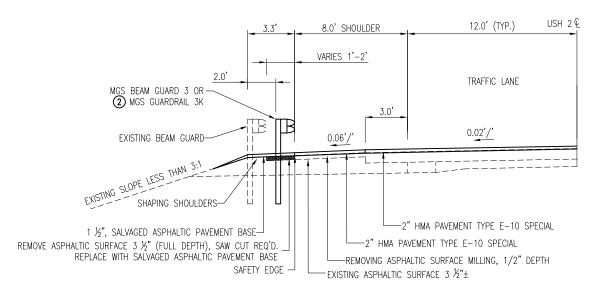
<u>NOTES</u>



TYPICAL FINISHED SECTION FOR USH 2 RIGHT BEAM GUARD (1)

STA - 898+67.98 TO STA - 901+92.98

STA - 965+21.94 TO STA - 968+71.94



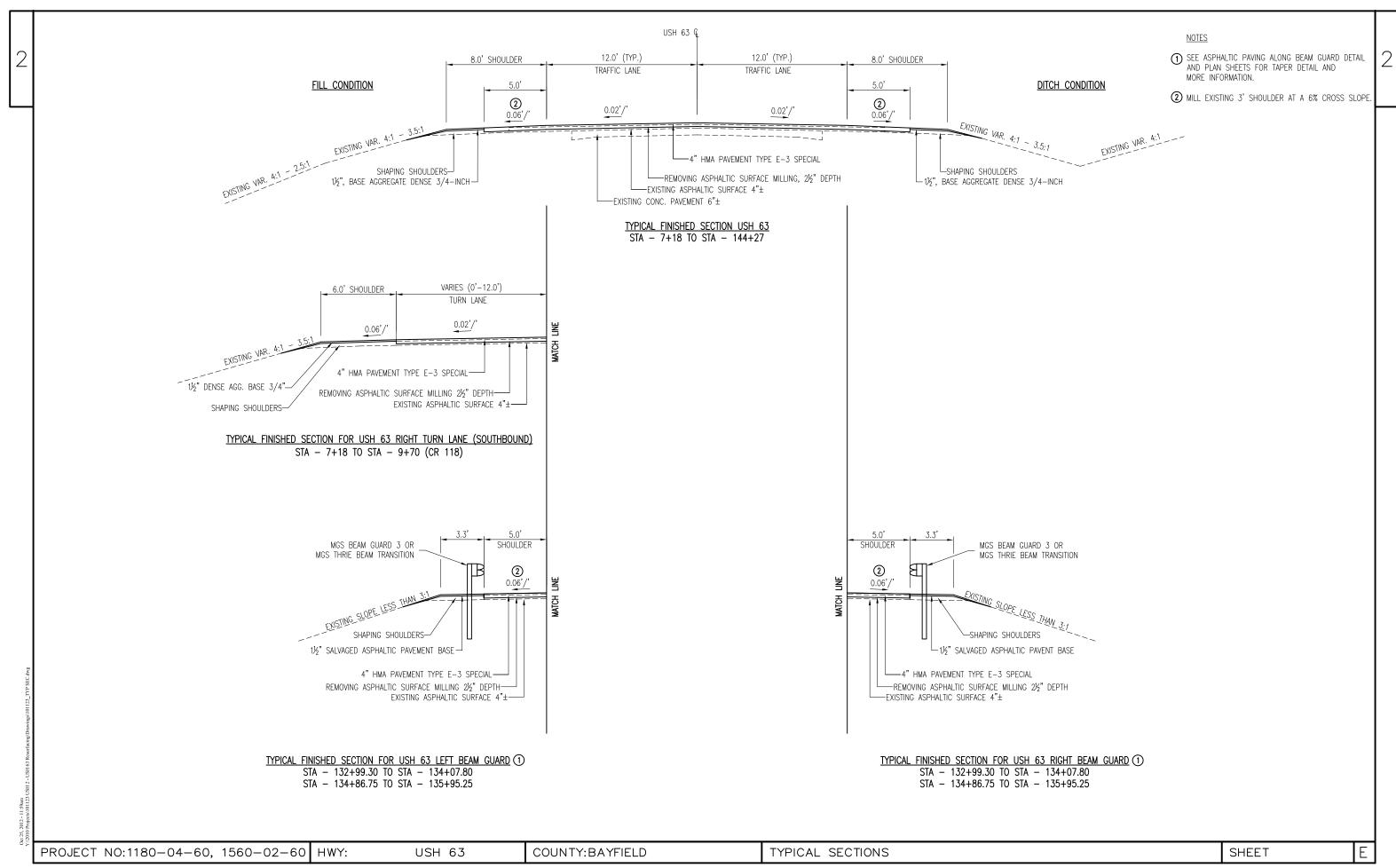
COUNTY: BAYFIELD

FINISHED SECTION FOR USH 2 LEFT BEAM GUARD (1)
STA - 899+75.82 TO STA - 905+13.32
(2) STA - 934+54.37 TO STA - 938+29.37

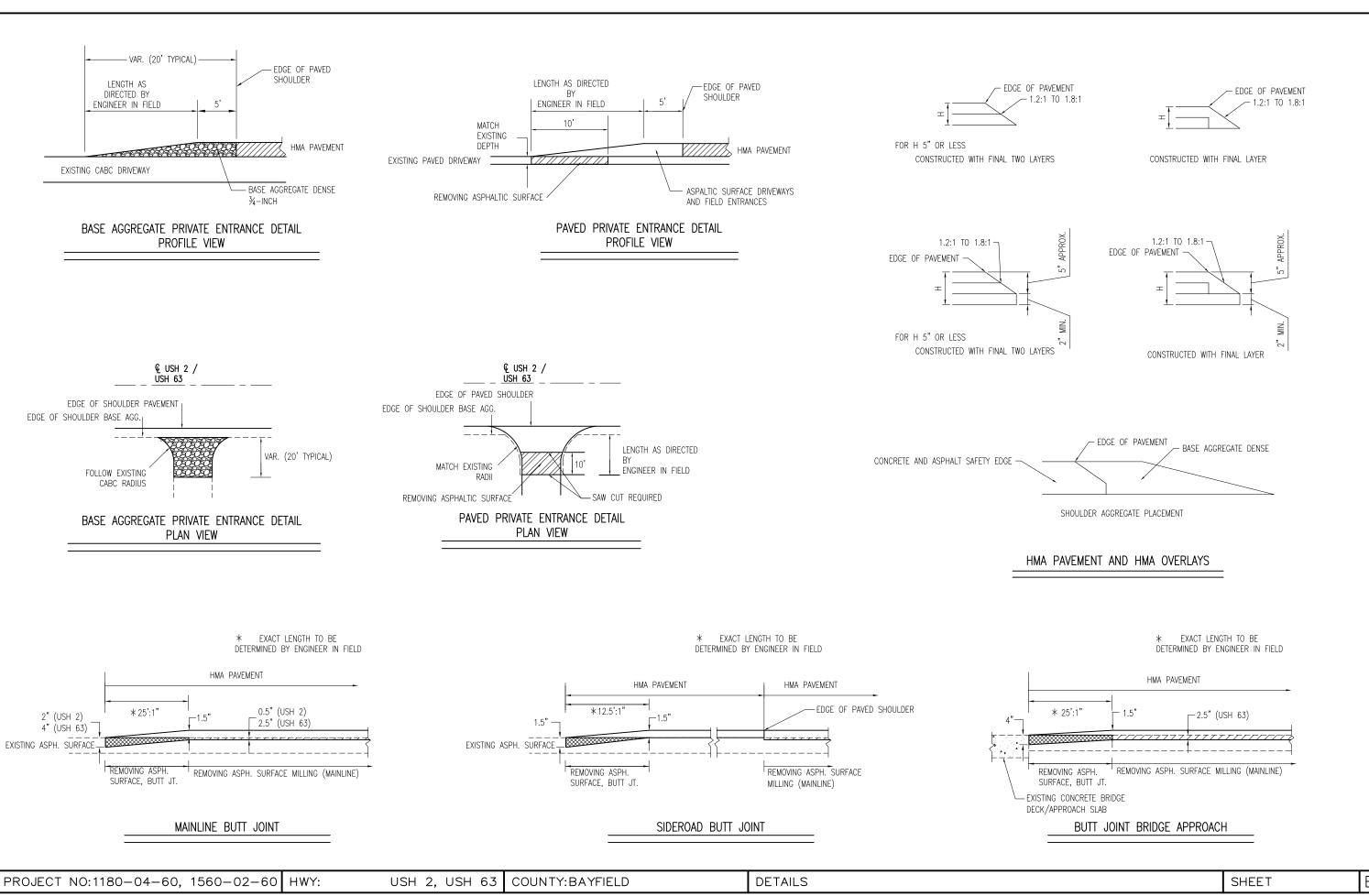
TYPICAL SECTIONS

PROJECT NO:1180-04-60, 1560-02-60 HWY:

USH 2







								BILL OF MA	ATERIALS							
			T	T T		ESTIMATE O	F QUANTITIES	FOR PERMANE	ENT SIGNING USH 2 PROJ. # 118	30-04-60	Ι				Ι	
	SIGN	SIGN CODE	SIZE	NO. REQ'D.	SIGN	SIGN CODE	SIZE	NO. REQ'D.	SIGN	SIGN CODE	SIZE	NO. REQ'D.	SIGN	SIGN CODE	SIZE	NO. REQ'D.
	⟨⇒ MOQUAH	D1-1	60" X 15"	1	ADOPT A HIGHWAY  Boyfield County 4H Junior Leadure	155-56	30" X 36"	2	F	J13-1	24" X 45"	1 -	TOMICH RD>	D1-1	72" X 15"	1
					ADOPT A NIGHBAY				COUNTY					D1-1	72" X 15" 84" X 15"	1
	MOQUAH →	D1-1	60" X 15"	1	ADOPT A HIGHWAY  Ashland Health & Rehabilitation Center	155-56	30" X 36"	1	F -	J13-1	24" X 45"	1	\$ STEFANSKI RD.	D1-1	84" X 15"	1
	(4				JCT COUNTY				EAST ) <b>(South</b> )				DENNIS RD. ⇒	D1-1	72" X 15"	1
	<- JANECEK RD.	D1-1	78" X 15"	1	COUNTY	J1-1	24" X 39"	2	2 63	J2-2	48" X 57"	1	□ DENNIS RD.	D1-1	72" X 15"	1
	BENOIT =>	D1-1	54" X 15"	1	COUNTY F	J1-1	24" X 39"	2	1 1	JZ-Z	40 / 37		STOP	R1-1	30" X 30"	10
	⇔ BENOIT	D1-1	54" X 15"	1	JCT 63	J1-1	24" X 39"	2	SOUTH WEST		4011 / 4771		STOP	R1-1	36" X 36"	4
	JANECEK RD. ➾	D1-1	78" X 15"	1	JCT JCT  236 COUNTY E	J1-2	48" X 39"	1	4	J2-2	48" X 57"	1 –	SPEED LIMIT 55	R2-1	24" X 30"	1
	DELTA (S)	D1-2	54" X 24"	1	JCT JCT  COUNTY 236  E	J1-2	48" X 39"	1	EAST) <b>(SOUTH</b> )	10.0	4011 / 4771		BEGIN RIGHT TURN LANE	R3-20R	24" X 36"	5
	G DELTA MASON	D1-2	54" X 24"	1	236 —	J13-1	24" X 45"	1	1 -	J2-2	48" X 57"	1 –	ONCOMING TRAFFIC USES CENTER LANE	R3-72	24" X 36"	1
	分 ASHLAND HAYWARD 中	D1-2	66" X 30"	1	236 ->	J13-1	24" X 45"	1	SOUTH WEST 63 2	lo o	4011 / 571	,	SLOWER TRAFFIC KEEP RIGHT	R4-3	36" X 48"	1
	分 SUPERIOR  ← HAYWARD	D1-2	66" X 30"	1	COUNTY E	J13-1	24" X 45"	1	<b>←</b> ↑	J2-2	48" X 57"	1 –	PASSING LANE AHEAD 1/2 MILE	R4-51A	36" X 48"	2
	ASHLAND 9	D2-1	66" X 15"	1	COUNTY E	J13-1	24" X 45"	1	WEST 2	J4-1	24" X 36"	4	PASSING LANE AHEAD 3 MILES	R4-51A	36" X 48"	2
rings/101123-QTYS-2.dwg	IRON RIVER 18 SUPERIOR 56	D2-2	84" X 24"	1	2	J13-1	24" X 45"	2	EAST 2	J4-1	24" X 36"	3	<b>1</b>	W11-3	30" X 30"	1
USH 63 Resurfacing\Draw	INO UNINCORPORATED	12-3	54" X 24"	2	COUNTY	J13-1	24" X 45"	1	WILDLIFE VIEWING AREA	M1-86	18" X 36"	1		W11-6	30" X 30"	1
2010 Projects/101123 USH 2 - U	ADOPT A HIGHBAY Sone of Horway Birksbalter	155-56	30" X 36"	2	COUNTY	J13-1	24" X 45"	1	<b>(+</b> )	M1-88A	12" X 12"	1	NO PASSING ZONE	W14-3	48" X 36"	15

USH 2, USH 63 COUNTY:BAYFIELD

PERMANENT SIGNING

PROJECT NO:1180-04-60, 1560-02-60 HWY:

3

Ε	S	Т	ı	M	Α	Т	Ε	0	F	Q	U	Α	N	Т	I	Т	ı	Ε	S	

DATE 17	APR13		ESTIMATE	E O F Q U A N		
LI NE NUMBER 0450	I TEM 650. 8000	ITEM DESCRIPTION CONSTRUCTION STAKING RESURFACING REFERENCE	UNI T LF	TOTAL 46, 109. 000	1180-04-60 QUANTI TY 32, 400. 000	1560-02-60 QUANTI TY 13, 709. 000
0460	650. 9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 1180-04-60	LS	1. 000	1. 000	
0470	650. 9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 02. 1560-02-60	LS	1. 000		1.000
0480	690. 0150	SAWING ASPHALT	LF	3, 018. 000	2, 878. 000	140.000
0490	SPV. 0195	SPECIAL 01. HMA PAVEMENT TYPE E-3 SPECIAL	TON	10, 505. 000		10, 505. 000
0500	SPV. 0195	SPECIAL 02. HMA PAVEMENT TYPE E-10 SPECIAL	TON	14, 530. 000	14, 530. 000	

			REMOVING																
				REMOVING	REMOVING							ARRIER SYSTEM		OU T FENOR					
			REMOVING	ASPHALTIC SURFACE	ASPHALTIC SURFACE	SAWING					G	RADING SHAPING		SILT FENCE		0550		EDOGION MA	
			ASPHALTIC SURFACE	BUTT JOINTS	MILLING	ASPHALT						FINISHING		E MAINTENANC				EROSION MA	
			204.0110	204.0115	204.0120	690.0150		CATECORY	STATION - S	TATION L	CATION	<b>614.0010</b> EACH	628.1504 LF	628.1520 LF	TOPSOIL SY*	MIX #20 LBS*	TYPE B LBS*	TYPE II CLASS SY*	SB
GORY	STATION - STATION	LOCATION	SY	SY	SY	LF	REMARKS	CATEGORY	STATION - S	TATION LO	JCATION	EACH	LF	LF	51"	LBS"	LBS.	51"	—
010	PROJECT 1180-04-60							0010	PROJECT 1180	-04-60									
,010	823+00 823+38	MAINLINE		125			MAINLINE			398+68	RT	1	140	140	220	4	14	220	
	823+38 - 1146+62	MAINLINE			107,750		MAINLINE			399+75	LT	1	140	140	240	5	16	240	
	824+14	LT		105			INO RD			903+63	RT	1	120	120	265	5	17	265	
	824+14	RT		65			CTH E			906+83	LT	1	120	120	205	4	13	205	
	826+21	LT	80			75	PRIVATE ENTRANCE			934+62	LT	1	120	120	145	3	10	145	
	856+41 - 861+44	RT	275			503	WIDENED SHOULDER		-	939+95	LT	1	100	100	170	4	11	170	_
	859+91 - 868+78	RT			800		CTH G BYPASS LN			965+21	RT	1	100	100	170	4	11	170	
	863+97 898+18 - 902+43	LT RT	<del></del> 70	55 	<del></del> 425	<del></del> 463	CTH G BEAMGUARD SHOULDER		968+71 -		RT	1	100	100	185	4	12	185	
	899+26 - 905+03	LT	130		490	637	BEAMGUARD SHOULDER												
	929+50	RT		55			TOMICH RD	0010	PROJECT 1180-	-04-60 SI	JBTOTAL	8	940	940	1,600	33	104	1,600	
	934+04 - 938+79	LT	80		355	425	BEAMGUARD SHOULDER			-									
	939+25	RT	30			50	PRIVATE ENTRANCE	0010	PROJECT 1560-	-02 <b>-</b> 60 SI	JBTOTAL	0							-
	941+25	RT	20			40	PRIVATE ENTRANCE												
	943+02	RT		45			NORDIN RD			7	TOTALS	8	940	940					=
	943+09	LT RT	<del></del> 140	55	<del></del> 400	<del></del> 590	NORTH FORK RD												
	963+32 - 969+22 982+78	RT RT	140	<del></del> 55	400 	590 <del></del>	BEAMGUARD SHOULDER STEFANSKI RD	* ESTIMATE	QUANTITIES PER	TERM <b>I</b> NAL (	INFORMATION	AL PURPOSES O	NLY)						
	1005+00 - 1009+28	RT	<u></u>		245	<del></del>	KINNY RD TURN LANE	CONTRAC	FOR SHALL VERIFY	QUANTITIE	S IN THE FIELD	)							
	1006+42 - 1072+64	LT			10,455		PASSING LN												
-	4000.54 4074.70	1.7			3,465		WIDENED SHLDR. FULL												
	1006+54 - 1071+78 1008+95	LT RT		<del></del> 65	3,405	 	DEPTH KINNY RD												
	1031+44 - 1034+64	RT	<del></del>		305	 	DENNIS RD TURN LANE												
	1035+38	RT		65			DENNIS ROAD												
	1040+27	RT		85			KLOBUCHER ROAD												
	1080+23	LT	15			25	PRIVATE ENTRANCE												
	1083+09	RT	25			40	PRIVATE ENTRANCE						BASE AGGR	EGATE SHOULDE	R SUMMARY				_
	1084+30 - 1087+50	RT			275	<del></del>	CTH F TURN LN							BASE					
	1085+67	LT RT	15			30	PRIVATE ENTRANCE							AGGREGATE	SHAPING	SALVAG	ED ASPHALTI	С	
	1088+44 1088+73	LT		60			OTH F  JANECEK RD							ENSE 3/4-INCH	SHOULDERS	PAVE	MENT BASE		
	1089+38 - 1092+81	LT			250	<del></del>	WIDENED SHOULDER							305,0110	305,0500	3	06,0110		
	1130+50	LT		45		<del></del>	JOE PAJAC ROAD			CATEGO	RY STATION	- STATION	LOCATION	TON	STA		TON	REMARKS	3
	1140+36 - 1145+20	RT			585		USH 63 TURN LN												
	1142+42 - 1146+62	LT	***		325		USH 63 BYPASS LN			0010		CT 1180-04-60		1000	004		00		
	1146+62 - 1147+00	MAINLINE		200			MAINLINE					- 1147+00	LT	4300	324		80		
				4.440	100 105	0.070					023+00	- 1147+00	RT PE's & FE's	4300 400	324 		70		
0010	PROJECT 1180-04-60	SUBTOTAL	880	1,140	126,125	2,878							5 00 1 _ 5	.00	-				
0010	PROJECT 1560-02-60									0010	PROJECT	1180-04-60	SUBTOTAL	9000	648		150		
	7+18 - 7+57	MAINLINE		175			MAINLINE												
	7+57 - 144+27	MAINLINE			44,720		MAINLINE			0010		CT 1560-02-60							
	7+18 - 9+70	LT			515		CTH F TURN LN					- 144+27	LT	1150	137		30		
	34+51	LT	10			20	PRIVATE ENTRANCE				/+18	- 144+27	RT PE's & FE's	1150 100	137		30		
	53+36	RT	40			70	PRIVATE ENTRANCE						, ∟s α FES	100					
	71+89	LT RT	 1E	45		<del></del>	PEZDERIC RD			0010	PROJE	CT 1560-02-60	SUBTOTAL	2400	274		60		-
	78+55 78+59	RT LT	15 15	<del></del>		25 25	PRIVATE ENTRANCE PRIVATE ENTRANCE			-									
	107+91	LT		45			STROMEYER LN						TOTAL	11400	922		210		-
	133+45 - 133+83	MAINLINE		135		<del></del>	FISH CREEK BRIDGE												
-	135+12 - 135+50	MAINLINE		135			FISH CREEK BRIDGE												
	133+87 - 134+03	LT	10				APPROACH SHOULDER												
	133+87 - 134+03	RT	10				APPROACH SHOULDER												
	134+92 - 135+12	LT 	10				APPROACH SHOULDER												
	134+92 - 135+12	RT	10				APPROACH SHOULDER												
	141+79 - 144+27 141+97 - 144+27	RT LT		 	410 290	 	RIGHT TURN LN TAPER												
	171.07 - 144727						IAI EIX												
0010	PROJECT 1560-02-60	SUBTOTAL	120	535	45,935	140													

MISCELLANEOUS QUANTITIES

USH 2, USH 63 COUNTY:BAYFIELD

PROJECT NO:1180-04-60, 1560-02-60 HWY:

SHEET

SY\* CY\* REMARKS

115 ---

70 ---

70 ---

CATEGORY	STATION -	STATION	LOCATION	DEPTH (IN)	TYPE E-3 SPECIAL SPV.0195.01 TON	TYPE E-10 SPECIAL SPV.0195.02 TON	SURFACE <b>465.0105</b> TON	COAT <b>455.0605</b> GAL.	PATCHING <b>465.0110</b> TON	ENTRANCES <b>465.0120</b> TON	REMARKS
0010	PROJECT 1180	)-04-60									
	823+00 -	1147+00	MAINLINE	2.0		12,205		2700			MAINLINE/SAFETY EDGE
	824+14		LT	1.5		46		14			INO RD
	824+14		RT	1.5		45		13			CTH E
	824+74 -	825+81	LT	1.5		8		2			WIDENED SHOULDER
	826+21		LT	1.5				11		37	PRIVATE ENTRANCE
	856+35 -	868+10	RT	2.0		90		20			CTH G BYPASS LN
	863+97		LT	1.5		76		23			CTH G
	897+14 -	903+49	RT	2.0		40		9			BEAM GUARD SHOULDER/TAPERS
	898+21 -	906+68	LT	2.0		55		12			BEAM GUARD SHOULDER/TAPERS
	929+50		RT	1.5		26		8			TOMICH RD
	932+99 -	939+85	LT	2.0		40		9			BEAM GUARD SHOULDER/TAPERS
	937+00 -	938+50	LT				50	15			SHOULDER LEVELING/WEDGING
	939+25		RT	1.5		16		5		16	PRIVATE ENTRANCE
	941+25		RT	1.5		10		3		10	PRIVATE ENTRANCE
	943+02		RT	1.5		18		5			NORDIN RD
	943+09		LT	1.5		17		5			NORTH FORK RD
	963+67 -	970+27	RT	2.0		45		10			BEAM GUARD SHOULDER/TAPERS
	982+78		RT	1.5		27		8			STEFANSKI RD
	1005+00 -	1009+28	RT	2.0		28		6			KINNY RD TURN LN
	1008+95		RT	1.5		52		15			KINNY RD
	1012+47 -	1071+78	LT	2.0		1,170		261			PASSING LN
	1031+44 -	1034+64	RT	2.0		35		8			DENNIS RD TURN LN
	1035+38		RT	1.5		58		17			DENNIS RD
	1040+27		RT	1.5		41		12			KLOBUCHER RD
	1080+23		LT	1.5		8		2		8	PRIVATE ENTRANCE
	1083+09		RT	1.5		11		3		11	PRIVATE ENTRANCE
	1084+30 -	1087+50	RT	2.0		31		7			CTH F TURN LN
	1085+67		LT	1.5		10		3		10	PRIVATE ENTRANCE
	1088+44		RT	1.5		64		19			CTH F
	1088+73		LT	1.5		57		17			JANECEK RD
	1089+38 -	1092+81	LT	2.0		28		6			WIDENED SHOULDER
	1130+50		LT	1.5		30		9			JOE PAJAC RD
	1140+36 -	1145+20	RT	2.0		66		15			USH 63 TURN LN
	1142+42 -	1147+00	LT	2.0		40		8			USH 63 BYPASS LN
	UNDISTRIBU						500	120			LEVELING/WEDGING
	UNDISTRIBU							15	150		MINOR REPAIRS
0010	PROJECT 1180-04-60	0	SUBTOTAL			14,530	550	3415	150	92	
0010	PROJECT 1560	0.02.60									
0010	7+18 -	144+27	MAINLINE	4.0	10,100			1122			MAINLINE
	7+18 -	9+70	LT	4.0	54	<del></del>		6			CTH F TURN LN
	34+51	3.70	LT	1.5	7		<del></del>	2		7	PRIVATE ENTRANCE
	53+36		RT	1.5	17			5		, 17	PRIVATE ENTRANCE PRIVATE ENTRANCE
	53+36 71+89		LT	1.5	23			5 7			PEZDERIC RD
	71+89		RT	1.5	25			7			FRANZEL RD
	71+89 78+55		RT	1.5 1.5	25 5					<del></del> 5	PRIVATE ENTRANCE
			LT	1.5		<del></del>		1			PRIVATE ENTRANCE PRIVATE ENTRANCE
	78+59 107+91				6			2		6	
	107+91		LT	1.5	27			8			STROMEYER LN
	111+38	400:00	RT	1.5	11			3			ZEPCZYK RD
	132+29 -	132+99	LT	2.0	2			1			BEAM GUARD TAPER
	132+29 -	132+99	RT	2.0	2			1			BEAM GUARD TAPER
	133+45 -	133+83	MAINLINE	4.0	31			3			50 FT. FROM BRIDGE
	135+12 -	135+50	MAINLINE	4.0	31			3			50 FT. FROM BRIDGE
	135+99 -	136+69	LT	2.0	2			1			BEAM GUARD TAPER
		136+69	RT	2.0	2			1			BEAM GUARD TAPER
	135+99 -	144+27	RT	4.0	95			11			RIGHT TURN LN
	141+79 -		LT	4.0	65			7			TAPER
	141+79 - 141+97 -	144+27					300	69			LEVELING/WEDGING
	141+79 - 141+97 - UNDISTRIBU	TED							450		LINIOD DEDLING
	141+79 - 141+97 -	TED						15	150	<del></del>	MINOR REPAIRS
0010	141+79 - 141+97 - UNDISTRIBU	TED TED	SUBTOTAL		10,505		300	15	150	35	MINOR REPAIRS
0010	141+79 - 141+97 - UNDISTRIBU UNDISTRIBU	TED TED	SUBTOTAL								MINOR REPAIRS

ASPHALTIC

TACK

ASPHALTIC

SURFACE

ASPHALTIC DRIVEWAYS

AND FIELD

ASPHALTIC PAVEMENT SUMMARY

HMA PAVEMENT HMA PAVEMENT

			ASPHALTIC	RUMBLE STRIP	SUMMARY		
					ASPHALTIC	ASPHALTIC CENTER	
					INTERSECTION	LINE RUMBLE STRIP	
					RUMBLE STRIP	2-LANE RURAL	
					465.0450	465.0475	
CATEGORY	STATION	-	STATION	LOCATION	SY	LF	REMARKS
0010	PROJE	CT 118	0-04-60				
	823+00	-	1147+00	CL		32,398	MAINLINE
0010	PROJE	CT 118	0-04-60	SUBTOTAL		32,398	
0010	PROJE	CT 156	0-02-60				
	7+18	-	144+27	CL		13,580	MAINLINE
	127+60	-	127+85	RT	26		RUMBLE STR <b>I</b> P
	137+77	-	138+02	RT	26		RUMBLE STR <b>I</b> P
	140+02	-	140+27	RT	26		RUMBLE STRIP
0010	PROJE	CT 156	60-02-60	SUBTOTAL	78	13,580	
				TOTAL	78	45978	

TRAFFIC CONTROL		
SURVEILLANCE AND	TRAFFIC CONTROL	TRAFFIC CONTROL

TRAFFIC CONTROL SUMMARY

	BEAM GUARD SUMMARY													SURVEILLAN	SURVEILLANCE AND	ILLANCE AND TRAFFIC CONTROL TRAFFIC CONTROL				
				BEAM GU	ARD SUMMARY												MAINTENANCE (PROJECT)	SIGNS	DRUMS	
																	643.0200	643.0900	643.0300	
										CATEGORY	STATION	LOCATION	EACH	SIGN CODE	SIZE	MESSAGE	DAYS	DAYS	DAYS	REMARKS
					MGS	MGS	MGS	MGS												
				0411/4050	TUDIE DEALA	OLIA DDDA II	OLIADD DAIL	CHARREN		0010	PROJECT 1180-04-6	0								
				SALVAGED	THRIE BEAM	GUARDRAIL	GUARD RAIL	GUARDRAII	L		803+00	RT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		
				RAIL	TRANSITION	3	TERMINAL E.A.T	3 K			813+00	RT	1	W20-1	48"X48"	ROAD WORK 1000FT		30		
				614.0920	614.2500	614.2300	614.2610	614.2330			818+00	RT	1	W20-1	48"X48"	ROAD WORK 500FT		30		
CATEGORY	STATION -	STATION	LOCATION	LF	LF	LF	EACH	LF	REMARKS		818+00	LT	1	G20-2A	48"X24"	END ROAD WORK		30		
											822+50	RT	1	G20-1	60"X24"	ROAD WORK NEXT 6 MILES		30		
0010	PROJECT 1	1180-04-60									824+14	RT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		CTH E
	898+17.98 -	898+67.98	RT				1				824+14	LT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		INO RD
	898+36.00 -	902+24.00	RT	388							863+97	LT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		CTH G
	898+67.98 -	901+92.98	RT			325					929+50	RT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		TOMICH RD
	899+25.82 -	899+75.82	LT				1				943+02	RT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		NORDIN RD
	899+38.00 -	905+12.00	LT	574							943+09	LT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		NORTH FORK RI
	899+75.82 -	905+13.32	LT			537.5					982+78	RT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		STEFANSKI RD
	901+92.98 -	902+42.98	RT				1				1008+95	RT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		KINNY RD
	905+13.32	905+63.32	LT				1				1035+38	RT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		DENNIS RD
	934+04.37 -	934+54.37	LT				1				1040+27	RT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		KLOBUCHER RE
	934+54.37 -	938+29.37	LT					375			1088+44	RT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		CTH F
	935+09.00 -	938+73.00	LT	364							1088+73	LT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		JANECEK RD
	938+29.37 -	938+79.37	LT				1				1130+50	LT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		JOE PAJAC RD
	964+71.94	965+21.94	RT				1				1143+50	LT	1	G20-1	60"X24"	ROAD WORK NEXT 6 MILES		30		
	964+81.00 -	968+87.00	RT	406							1152+00	LT	1	W20-1	48"X48"	ROAD WORK 500FT		30		
	965+21.94	968+71.94	RT			350					1152+00	RT	1	G20-1	48"X24"	END ROAD WORK		30		
	968+71.00 -	969+21.00	RT				1				1157+00	LT	1	W20-1	48"X48"	ROAD WORK 1000FT		30		
											1167+00	LT	1	W20-1	48"X48"	ROAD WORK AHEAD		30		
0010	PROJECT 1	1180-04-60	SUBTOTAL	1,732	0	1,212.5	8	375				UNDISTRIBUTED	200						6,000	
											1	PROJECT 1180-04-60					30			
0010	PROJECT 1	1560-02-60																		
	132+49.30	132+99.30	LT				1			0010	PROJECT 1180-04-6	0	SUBTOTA	AL			30	690	6,000	
	132+49.30	132+99.30	RT				1													
	132+58.00	134+08.00	LT	150						0010	PROJECT 1560-02-6	0								
	132+58.00	134+08.00	RT	150							-15+00	RT	1	W20-1	48"X48"	ROAD WORK AHEAD		22		
	132+99.30 -	133+86.80	LT			87.5					<del>-</del> 5+00	RT	1	W20-1	48"X48"	ROAD WORK 1000FT		22		
	132+99.30 -	133+86.80	RT			87.5					0+00	LT	1	G20-2A	48"X24"	END ROAD WORK		22		
	133+86.80	134+07.80	LT		21						0+00	RT	1	W20-1	48"X48"	ROAD WORK 500FT		22		
	133+86.80	134+07.80	RT		21						4+50	RT	1	G20-1	60"X24"	ROAD WORK NEXT 3 MILES		22		
	134+86.75	135+07.75	LT		21						5+80	RT	1	W20-1	48"X48"	ROAD WORK AHEAD		22		STH 118
	134+86.75	135+07.75	RT		21						5+80	LT	1	W20-1	48"X48"	ROAD WORK AHEAD		22		CTH F
	134+87.00	136+39.00	LT	150							77+89	RT	1	W20-1	48"X48"	ROAD WORK AHEAD		22		FRANZEL RD
	134+87.00	136+39.00	RT	150							71+89	LT	1	W20-1	48"X48"	ROAD WORK AHEAD		22		PEZDERIC RD
	135+07.75	135+95.25	LT			87.5					107+91	LT	1	W20-1	48"X48"	ROAD WORK AHEAD		22		STROMEYER LN
	135+07.75		RT			87.5	<del></del>		<del></del>		111+38	RT	1	W20-1	48"X48"	ROAD WORK AHEAD		22		ZEPCZYK RD
	135+95.25		LT				1		<del></del>		1142+00	RT	1	G20-1	60"X24"	ROAD WORK NEXT 3 MILES		22		
	135+95.25		RT				1					UNDISTRIBUTED	30						660	
							•				ļ	PROJECT 1560-02-60					22			
0010	PROJECT 1	1560-02-60	SUBTOTAL	600	84	350	4	0												
00.0		02 00	SSEIGIAL	000	٥.	555	•	v		0010	PROJECT 1180-04-6	0	SUBTOTA	AL.			22	264	660	
			TOTAL	2,332	84	1,562.5	12	375												

PERMANENT SIGNING SUMMARY

D:1180-04-60

637.0202

SF

6.00

---

6.00

7.50

19.00

7.50

7.46

7.46

19.00

19 00

6.00

7.50

7.50

6.00

19.25

19.00

13.00

9.00

3 13

6.00

6.00

17.50

5.18

5.18

17.50

5.18

5.18

15.00

6.00

5.00

16.00

19.00

6.25

3.00

3.00

3.00

3.00

6.25

13 75

7.50

14.00

19 00

6.00

13.25

6.00

9.00

13.25

5.00

9.00

3.13

530.65

1375.03

REMARKS

REMOVE SIGN AND POST

COUNTY HWY F

COUNTY HWY F

STATE HWY 118

STATE HWY 118

SAME POST AS 12-14

PEZDERIC RD

FRANZEL RD

STROMEYER LANE

ZEPCZYK RD

SAME POST AS 16-22

634.0616

EACH

CATEGORY

0010

SIGN NO. STATION\*

PROJECT 1560-02-60

2+00

2+80

3+10

4+75

5+10

5+20

5+20

6+25

6+25

6+25

7+65

9+75

10+10

11+65

11+75

14+39

16+50

8+00

8+00

44+25

65+61

67+63

71+65

72+15

80+00

107+75

111+80

126+40

128+05

128+05

129+00

131+00

133+00

133+90

133+90

135+05

135+05

136+00

138+38

140+20

141+00

142+70

142+50

144+00

144+00

144+00

144+10

144+10

142+50

142+50

C-6

C-7

C-8

C-9

12-1

12-2

12-3

12-4

12**-**5

12-6

12-7

12<del>-</del>8

12-9

12-10

12-11

12-12

12-13

12-14

12-15

13-1

14-1

14-2

14-3

14-4

14-5

15-1

15-2

16-1

16-2

16-3

16-4

16-5

16-6

16-7

16-8

16-9

16-10

16-11

16-12

16-13

16-14

16-15

16-16

16-17

16-18

16-19

16-20

16-21

16-22

16-23

PROJECT 1560-02-60

0010

LOCATION

RT

RT

LT

LT

RT

CROSSROAD

CROSSROAD

CROSSROAD

LT

CROSSROAD

RT

RT

RT

RT

LT

LT

LT

RT

RT

RT

RT

CROSSROAD

CROSSROAD

LT

CROSSROAD

CROSSROAD

RT

LT

RT

RT

LT

RT

LT

LT

RT

LT

RT

LT

LT

RT

LT

RT

ISLAND

RT

ISLAND

ISLAND

LT

LT

SIGN CODE

R3-20R

R3-55R

J4-1

155-56

J3-2

J13-1

R1-1

R1-1

J3-2

.13-2

J4-1

D2-1

155-56

W14-3

D1-3

J2-2

J1-2

W8-70

W57-51

W14-3

W14-3

M1-94

R1-1

R1-1

M1-94

R1-1

R1-1

J1-2

W14-3

R2-1

W3-1

J2-2

**I**3-1

W5-52L

W5-52R

W5-52R

W5-52L

13-1

D1-2

155-56

D2-2

J3-2

J4-1

R1-1

W12-1D

R5-1

R1-1

R4-7

W8-70

W57-51

\* STATIONING FOR PROPOSED SIGNS ARE APPROXIMATE AND THE LOCATIONS OF THE SIGNS ARE TO BE COORDINATED IN THE FIELD WITH THE ENGINEER.

	3H 2 - USH 63 Resi
2013 - 9:01am	Projects/101123 US
pr 08, 2	\2010 F

	S
	1
	C1
	NSH
am	1123
5	2
8	Ź
	8
-	.9.
3,20	Ē
∞	9
9	0
Ę	일

PROJECT NO:1180-04-60, 1560-02-60	HWY: USH 2, USH 63	COUNTY:BAYFIELD	MISCELLANEOUS QUANTITIES	SHEET
				-

PERMANENT SIGNING SUMMARY (CONTINUED)

SIGN MESSAGE

BEGIN RIGHT TURN LANE w/DOWN LEFT ARROW

RIGHT TURN LANE w/DOWN LEFT ARROW

SOUTH / 63

ADOPT-A-HIGHWAY (GREEN ACRES 4-H CLUB)

WEST/EAST/F/118/LEFT ARROW/RIGHT ARROW

63/ DOUBLE ARROW

STOP

STOP

WEST/EAST/F/118/LEFT ARROW/RIGHT ARROW

SOUTH/NORTH/63/63/LEFT ARROW/RIGHT ARROW

NORTH / 63

ASHLAND 12

ADOPT-A-HIGHWAY (Ondossagon Jr. Agriculturists)

NO PASSING ZONE

AHEAD ARROW HAYWARD/LEFT ARROW MARENGO/BENOIT RIGHT ARROW

EAST/WEST/118/F/AHEAD LEFT ARROW/AHEAD RIGHT ARROW

JCT/JCT/118/F

CENTERLINE RUMBLE STRIPS

NEXT 3 MILES

NO PASSING ZONE

NO PASSING ZONE

LEFT ARROW PEZDERIC RD / FRANZEL RD RIGHT ARROW

STOP

STOP

LEFT ARROW FRANZEL RD/PEZDERIC RD RIGHT ARROW

STOP

STOP

JCT/END/2/63

NO PASSING ZONE

SPEED LIMIT 55 MPH

STOP AHEAD

WEST/EAST/2/2/AHEAD LEFT ARROW/AHEAD RIGHT ARROW

FISH CREEK

BRIDGE HASH MARKS

BRIDGE HASH MARKS

BRIDGE HASH MARKS

BRIDGE HASH MARKS

FISH CREEK

LEET ARROW SUPERIOR / ASHLAND RIGHT ARROW

ADOPT-A-HIGHWAY (Ondossagon Jr. Agriculturists)

GRANDVIEW 14 / HAYWARD 48

WEST/EAST/2/2/LEFT ARROW/RIGHT ARROW

SOUTH / 63

STOP

DOUBLE ARROW

DO NOT ENTER

STOP

KEEP RIGHT SYMBOL

CENTERLINE RUMBLE STRIPS

NEXT 3 MILES

SIZE (INCH)

24 x 36

24 x 30

30 x 36

36 x 36

48 <sub>X</sub> 57

24 x 36

72 x 15

30 x 36

Х x 39

36 x 36

30 x 15

48 <sub>X</sub> 36

84 x 30

30 <sub>X</sub> 30

30 x 30

30 x 30

48 x 45

48 x 36

48 x 48

60 <sub>x</sub> 15

12 x 36

12 x

12 <sub>x</sub>

60 <sub>x</sub>

\_\_84 <sub>x</sub>

66 x 30

12

30

24

48

36

x 57

x 36

15

24

48

36

15

TOTAL

97.00

240

56.00

59.00

176

SUBTOTAL

x 57

x 36

36 x 36

48 x 48

24 x 30

30

х

x 36

36

36

57

24

36

48

66

48

30

24

48

638.2602

EACH

638.3000

EACH

ı	
	マ
	U

ATEGORY	STATION *	- STATION *	LOCATION	PAVEMENT MARKING EPOXY 4 - INCH 646.0106 LF	PAVEMENT MARKING EPOXY 8 - INCH 646.0126 LF	PAVEMENT MARKING SAME DAY EPOXY 4 - INCH 646.0406 LF	PAVEMENT MARKING STOP LINE EPOXY 18-INCH 647.0566 LF	LOCATING NO-PASSING ZONES 648.0100 MI	PAVEMENT MARKING TEMPORARY PAINT 4 - INCH REFLECTIVE 649.0200 LF	REMARKS
ATEGORT	STATION	- STATION	LOCATION	LF	LF	LF	LF	IVII	LF	REMARKS
0010		Г 1180-02-60								
	823+00	- 1147+00	USH 2	32,400				6.1		EDGELINE, WHITE
	823+00 823+00	- 1147+00 - 1147+00	LT RT	32,400						EDGELINE, WHITE
	823+00	- 842+37	CL			3,874			3,874	DOUBLE SOLID, YELLO
	824+14	0.2.0.	RT	200						CTH E CENTER & EDGEL
•	842+37	- 851+13	CL			1,095			1,095	SOLID/12.5' SKIP, YELL
	851+13	- 858+65	CL			188			188	12.5' SKIPS, YELLOV
	858+65	- 864+64	CL			749			749	SOLID/12.5' SKIP, YELL
	863+97		LT	360						CTH G CENTER & EDGE
	864+64	- 878+50 - 893+03	CL CL			2,772			2,772 1,816	DOUBLE SOLID, YELL
	878+50 893+03	- 893+03 - 895+19	CL			1,816 54			1,816 54	SOLID/12.5' SKIP YELL 12.5' SKIPS, YELLOV
	895+19	- 912+27	CL			2,135			2,135	SOLID/12.5' SKIP, YELI
	912+27	- 918+92	CL			831			831	SOLID/12.5' SKIP, YELL
	918+92	- 925+85	CL			1,386			1,386	DOUBLE YELLOW
•	925+85	- 930+65	CL			600			600	SOLID/12.5' SKIP, YELI
	930+65	- 934+07	CL			86			86	12.5' SKIPS YELLOV
	934+07	- 945+72	CL			1,456			1,456	SOLID/12.5' SKIP, YELI
	945+72	- 956+48	CL			1,345			1,345	SOLID/12.5' SKIP, YELI
	956+48	- 973+30	CL			3,364			3,364	DOUBLE YELLOW
	973+30 990+37	- 990+37 - 1000+42	CL CL			3,841			3,841	SOLID/12.5' SKIP, YELIO 12.5' SKIPS, YELLO
	1000+42	- 1000+42	CL			251 1,056			251 1,056	SOLID/12.5' SKIP, YELI
	1006+69	- 1008+34	RT		165					KINNY RD TURN LN
	1008+87	- 1018+03	CL			1,835			1,835	DOUBLE SOLID, YELL
•	1018+03	- 1107+88	CL			17,880			17,880	DOUBLE SOLID, YELL
	1021+84	- 1064+78	LT			1,174			1,174	PASSING LANE CL
	1107+88	- 1122+25	CL			1,796			1,796	SOLID/12.5' SKIP, YELI
	1122+25	- 1128+50	CL			156			156	12.5' SKIPS, YELLO
	1128+50	- 1141+86	CL			1,670			1,670	SOLID/12.5' SKIP, YEL
	1032+44	- 1034+69 - 1071+78	RT		225				 175	DENNIS RD TURN L
	1064+78 1141+86	- 10/1+/8	LT CL			175 1,028			1,028	DOTTED TAPER LIN DOUBLE SOLID, YELL
	1085+82	- 1087+52	RT		170					CTH F TURN LN
	1088+44		RT	300						CTH F CENTER & EDGE
•	1089+37	- 1091+37	LT		200					JANECEK RD TURN
	1141+06	- 1145+21	RT		415					USH 63 TURN LN
0010	PROJECT	Г 1180-02-60	SUBTOTAL	65,660	1,175	52,613	0	6.1	52,613	
0040	DDO IEO	Г 1560-02-60								
0010	7+18	- 144+22	USH 63					2.6		
	7+18	- 144+27	LT	13,709						EDGELINE, WHITE
	7+18	- 144+27	RT	13,709						EDGELINE, WHITE
	7+18	- 11+64	CL	-		861			1,722	SOLID/12.5' SKIP, YEL
	7+18	- 8+73	LT		155					CTH F TURN LN
	11+64	- 44+27	CL			816			1,632	12.5' SKIPS, YELLO
	44+27	- 53+08	CL			1101			2,202	SOLID/12.5' SKIP, YEL
	53+08	- 58+13	CL			126			252	12.5' SKIPS, YELLO
	58+13	- 65+34	CL			901			1,802 3,134	SOLID/12.5' SKIP, YEL 12.5' SKIPS, YELLO
	65+34 128+02	- 128+02 - 134+12	CL CL			1567 763			1,526	SOLID/12.5' SKIP, YELLO
	134+12	- 134+12 - 144+27	CL			2030			4,060	DOUBLE SOLID, YELL
	143+62	- 143+91	ISLAND		60					CHANNELIZING LINE, V
	144+06		RT				20			WHITE
	144+08		RT				20			WHITE
	PRO IECT	T 1560-02-60	SUBTOTAL	27,418	215	8,165	40	2.6	16,330	
0010	1 INCOLO									

PAVEMENT MARKING SUMMARY

LOCATING

PAVEMENT MARKING

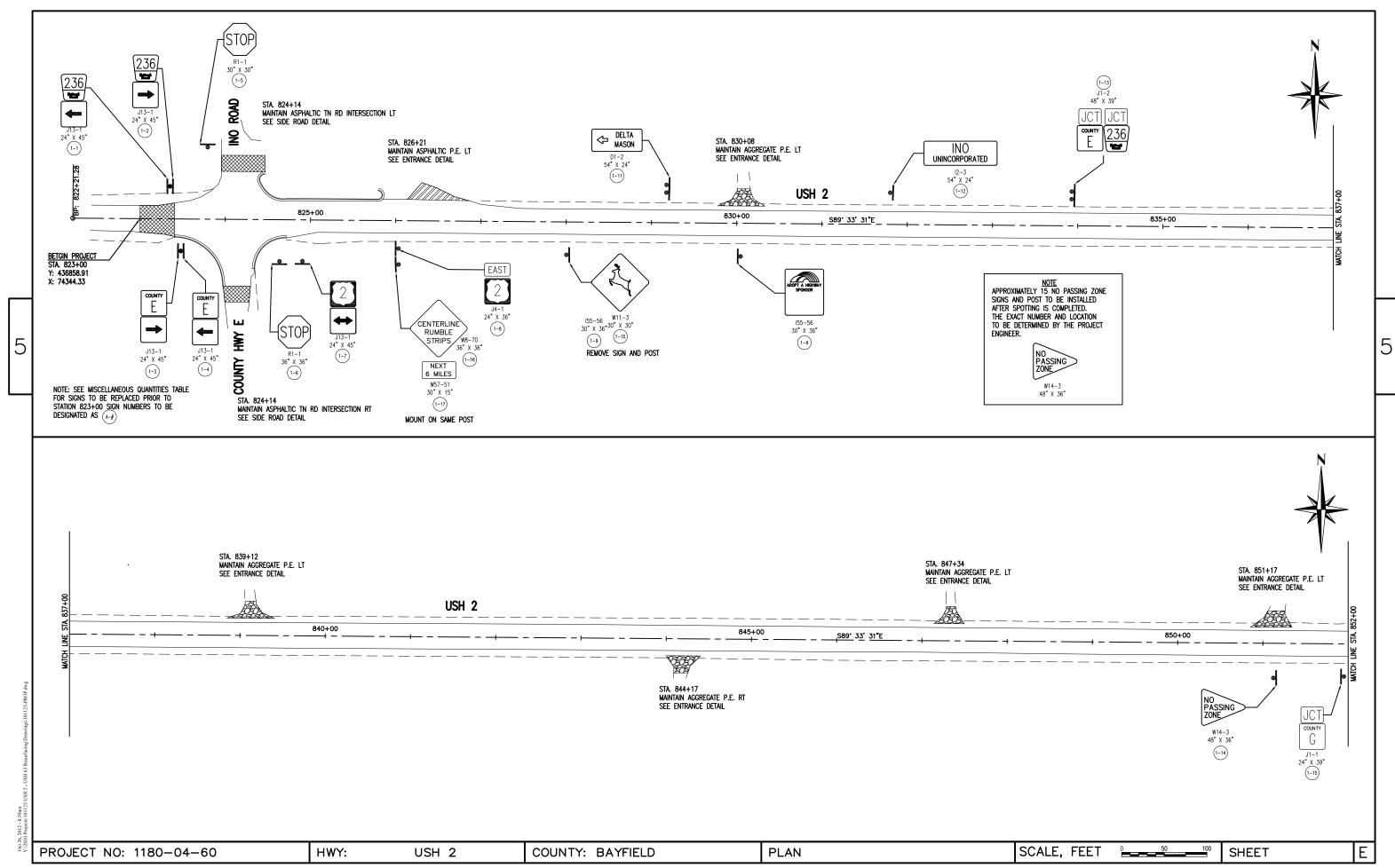
PAVEMENT

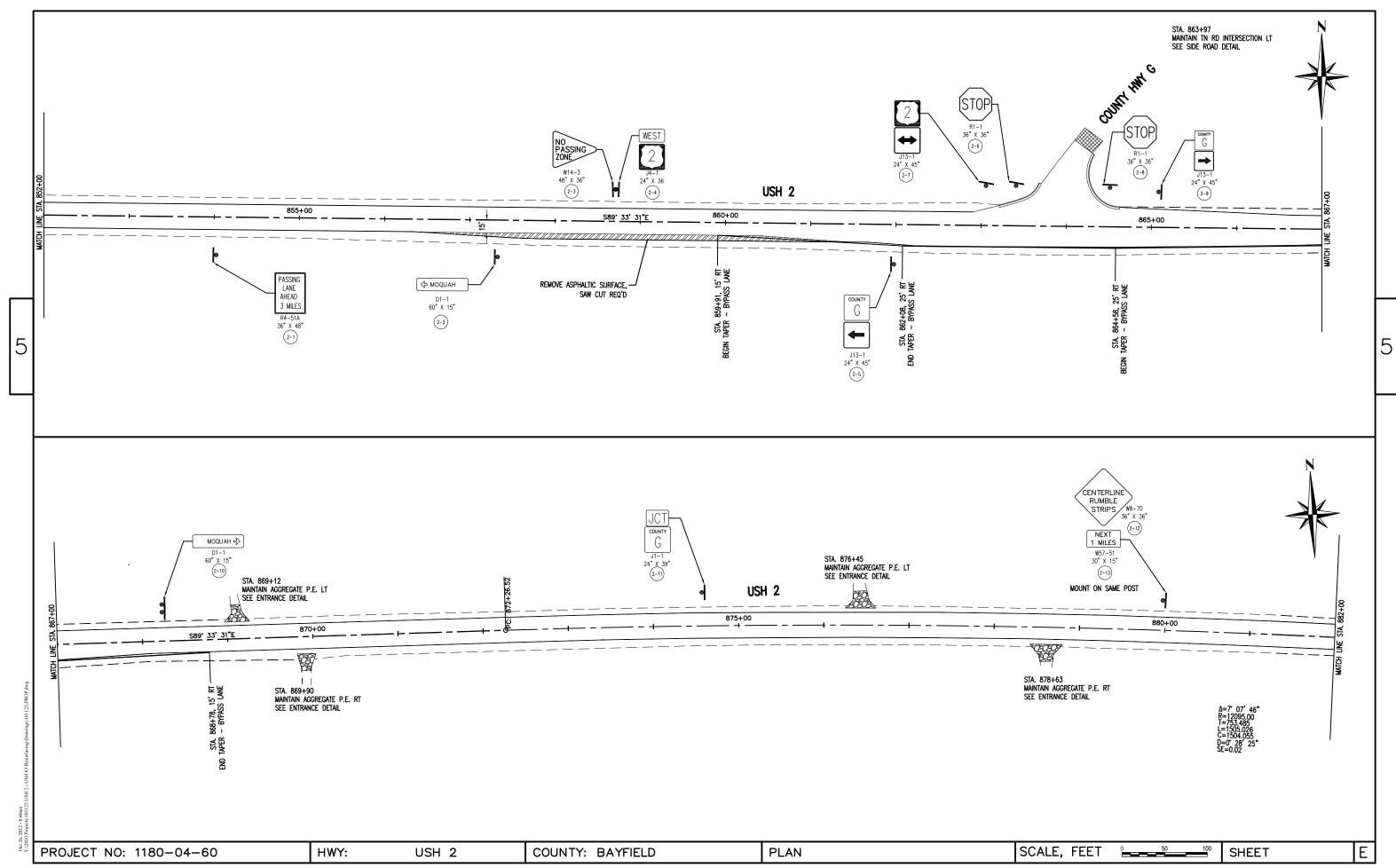
PAVEMENT

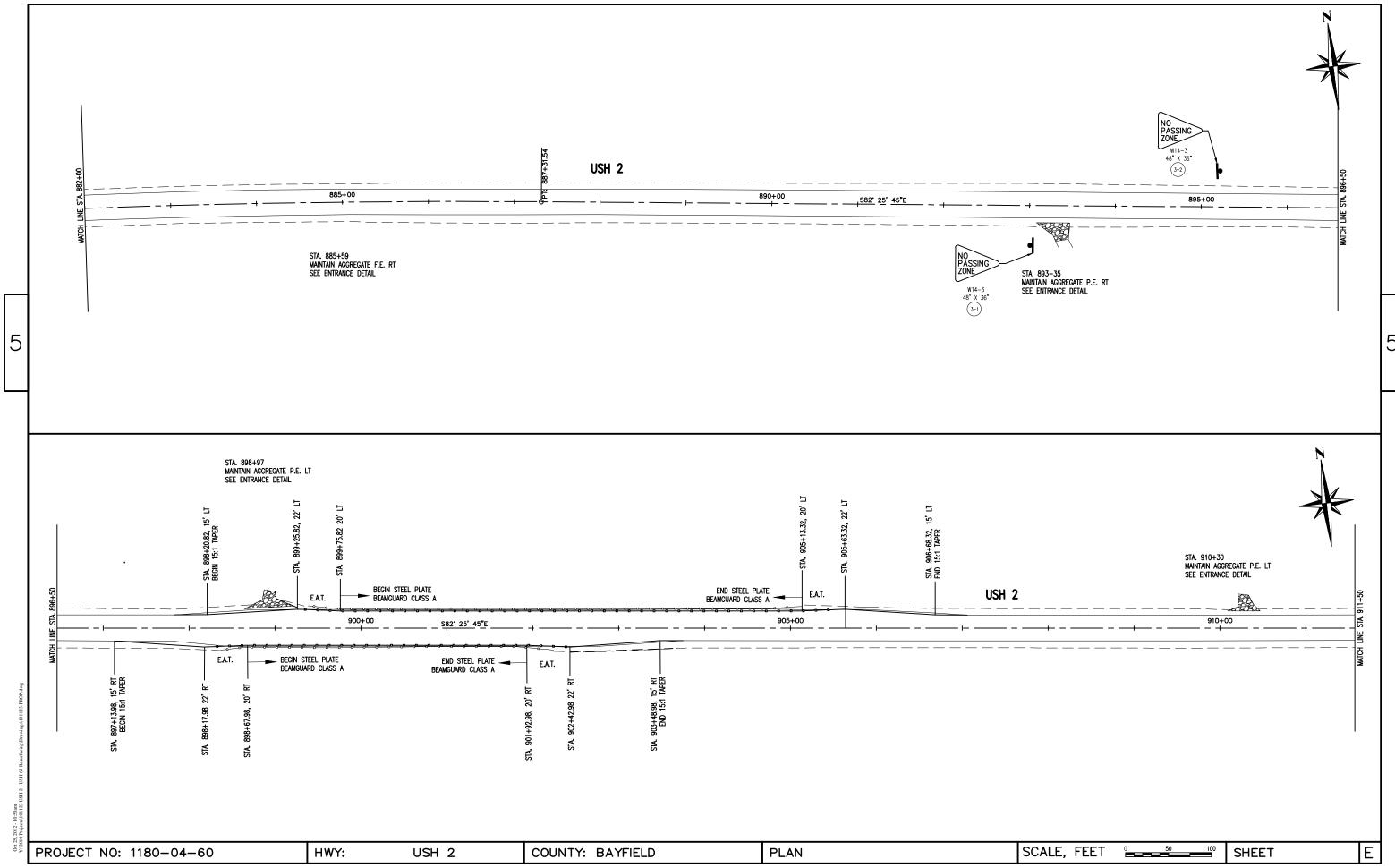
	CO	STRUCTION STA	KING SUMMARY		
			RESURFACE REFERENCE 650.8000	SUPPLEMENTAL CONTROL 650.9910	
CATEGORY	STATION - STATION	LOCATION	LF	LS	REMARKS
0010	PROJECT 1180-02-60 823+00 - 1147+00 PROJECT 1180-02-60	MAINLINE	32,400	 1	
0010	PROJECT 1180-02-60	SUBTOTAL	32,400	1	
0010	PROJECT 1560-02-60 7+18 - 144+27 PROJECT 1560-02-60	MAINLINE	13,709 	 1	 
0010	PROJECT 1560-02-60	SUBTOTAL	13,709	1	
		TOTAL	46,109	2	

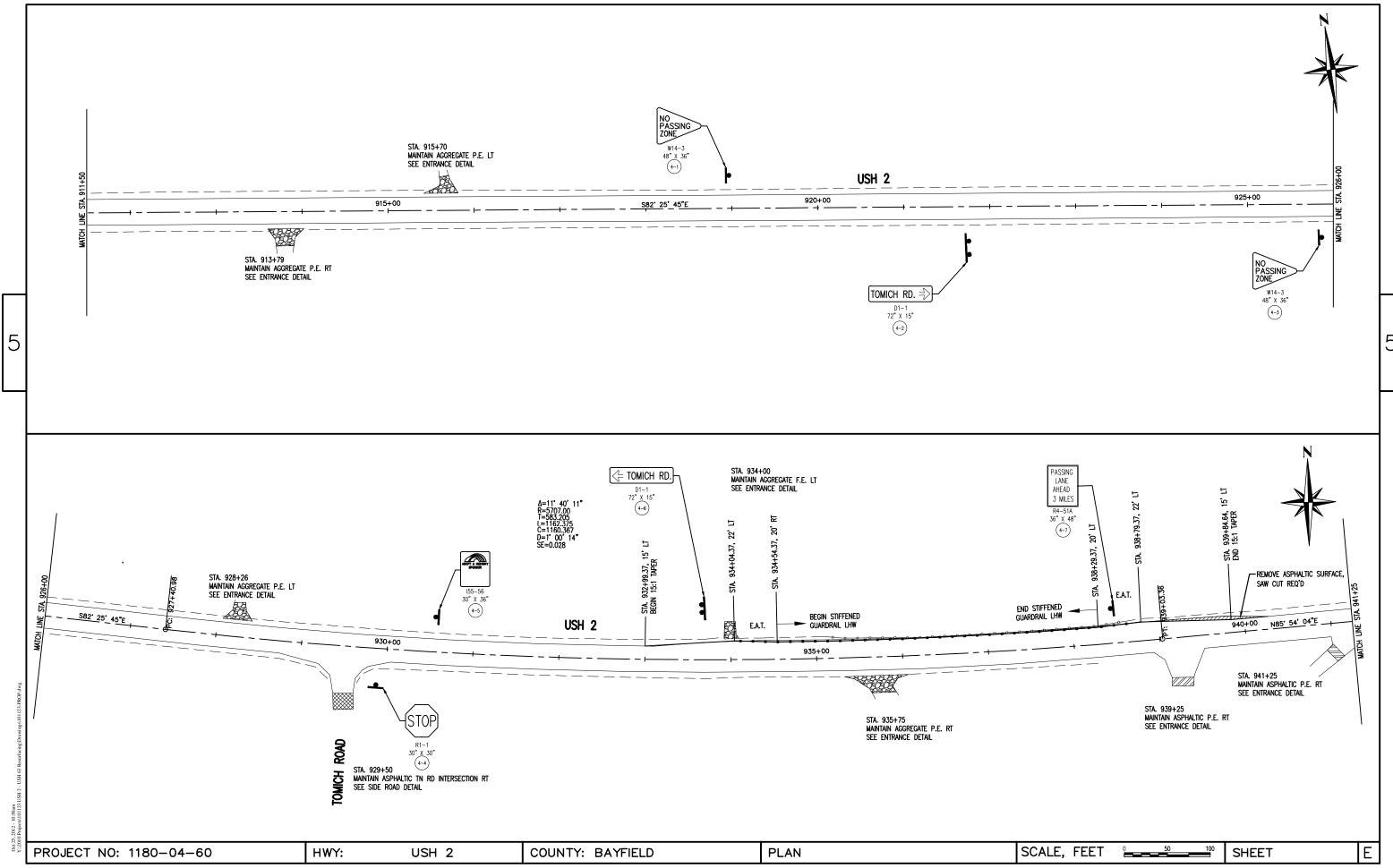
\* ACTUAL BEGIN AND END STATIONS FOR PAVEMENT MARKINGS TO BE DETERMINED IN THE FIELD AFTER SPOTTING.

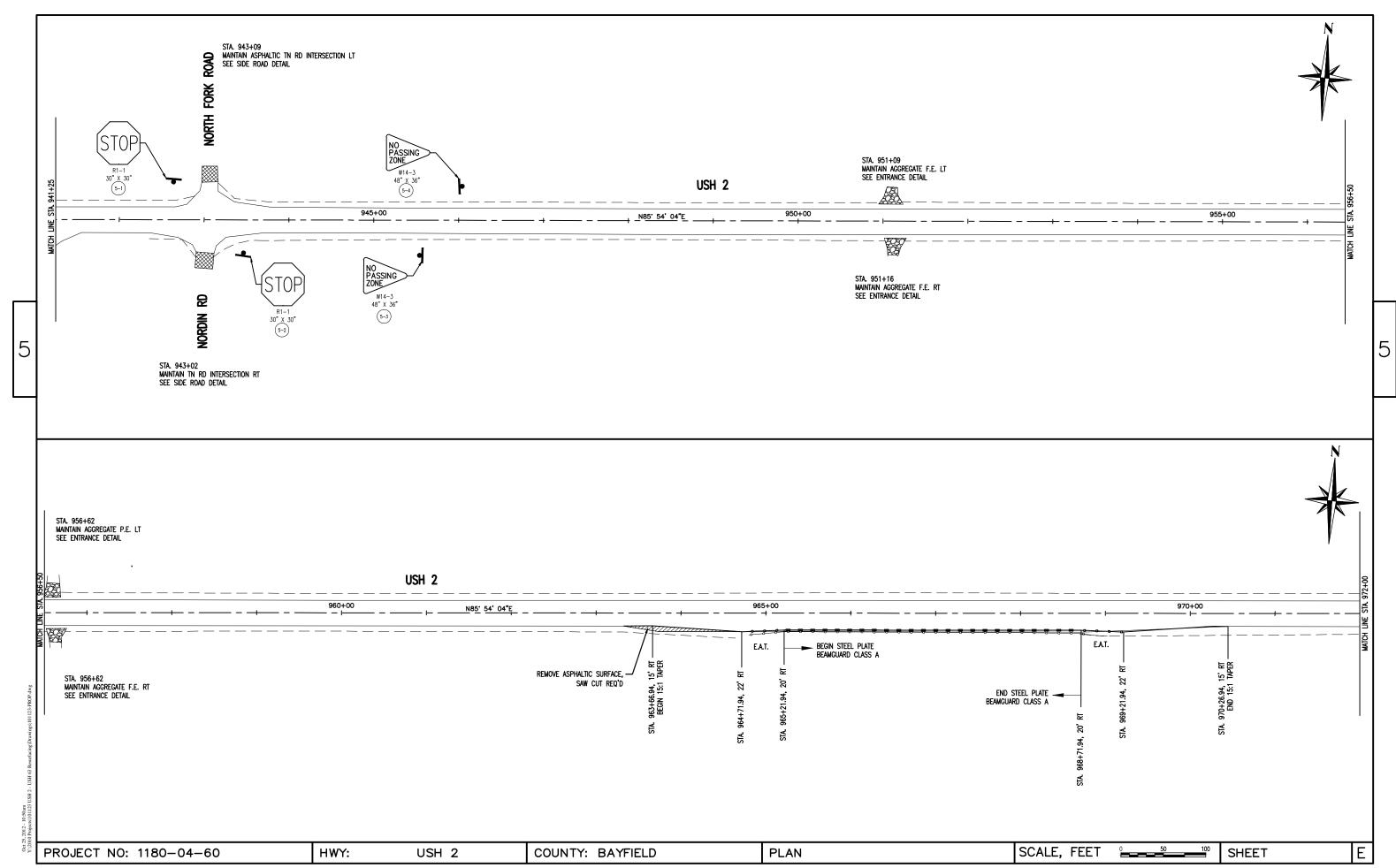
PROJECT NO:1180-04-60, 1560-02-60 HWY: USH 2, USH 63 COUNTY:BAYFIELD MISCELLANEOUS QUANTITIES SHEET E

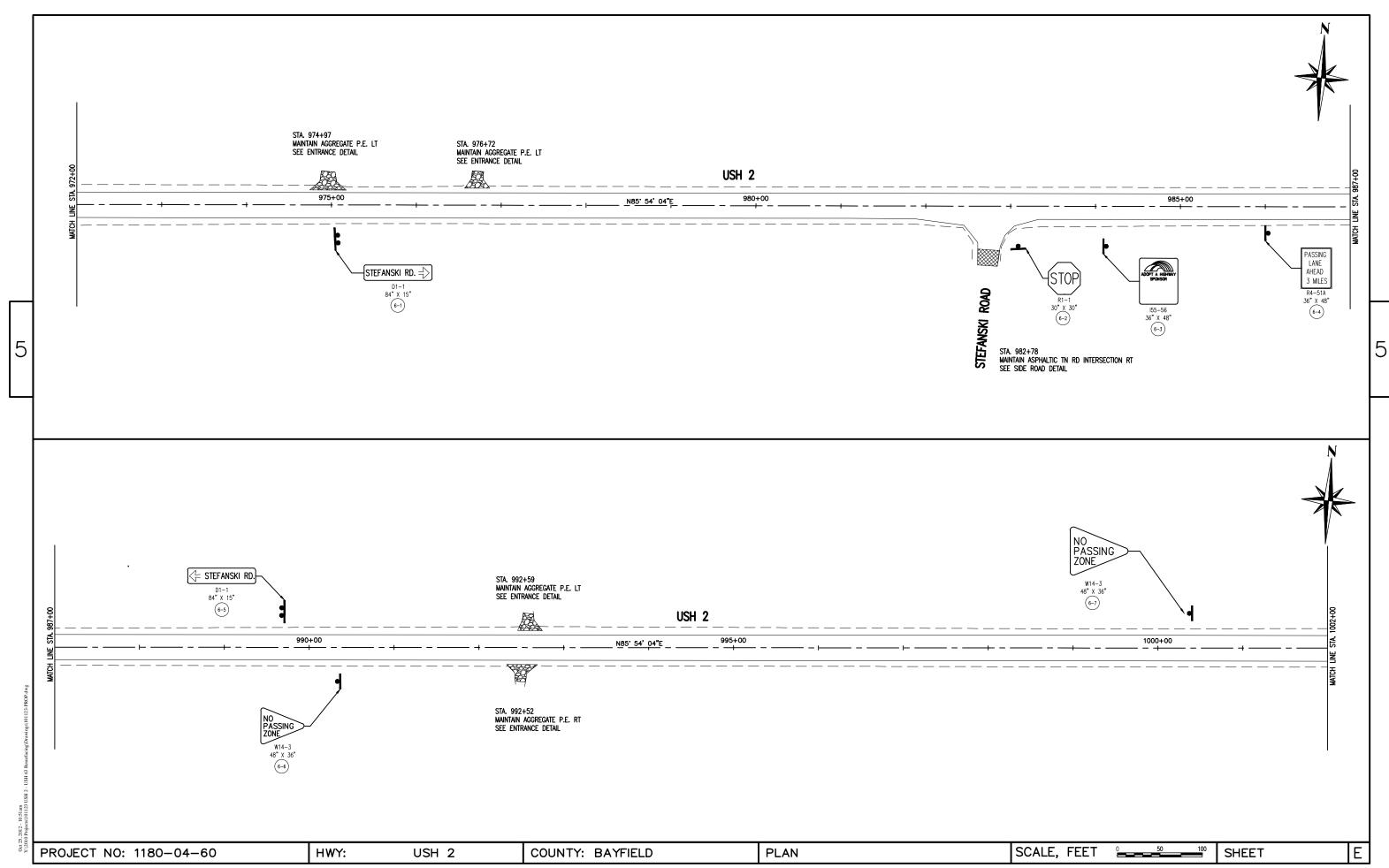


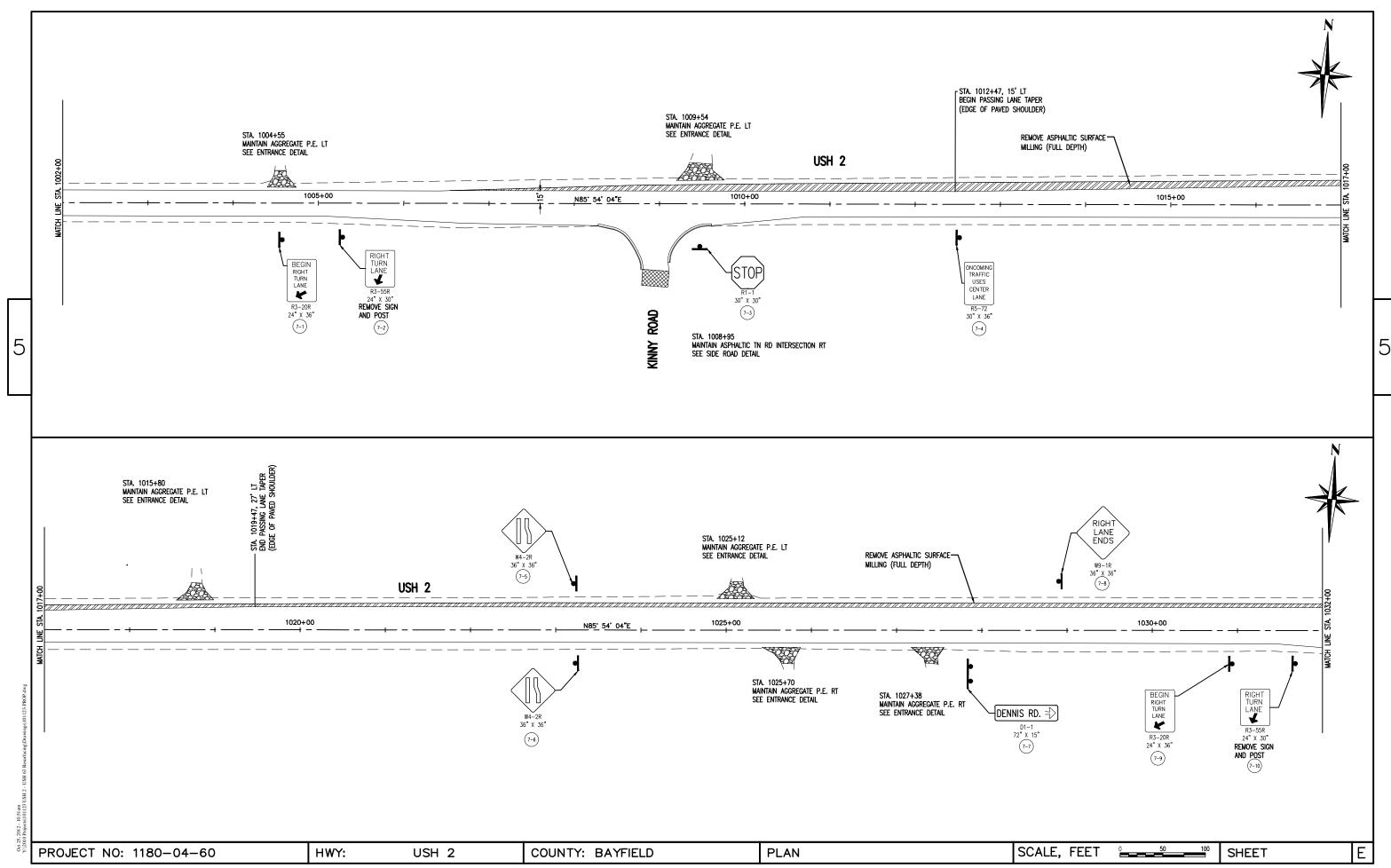


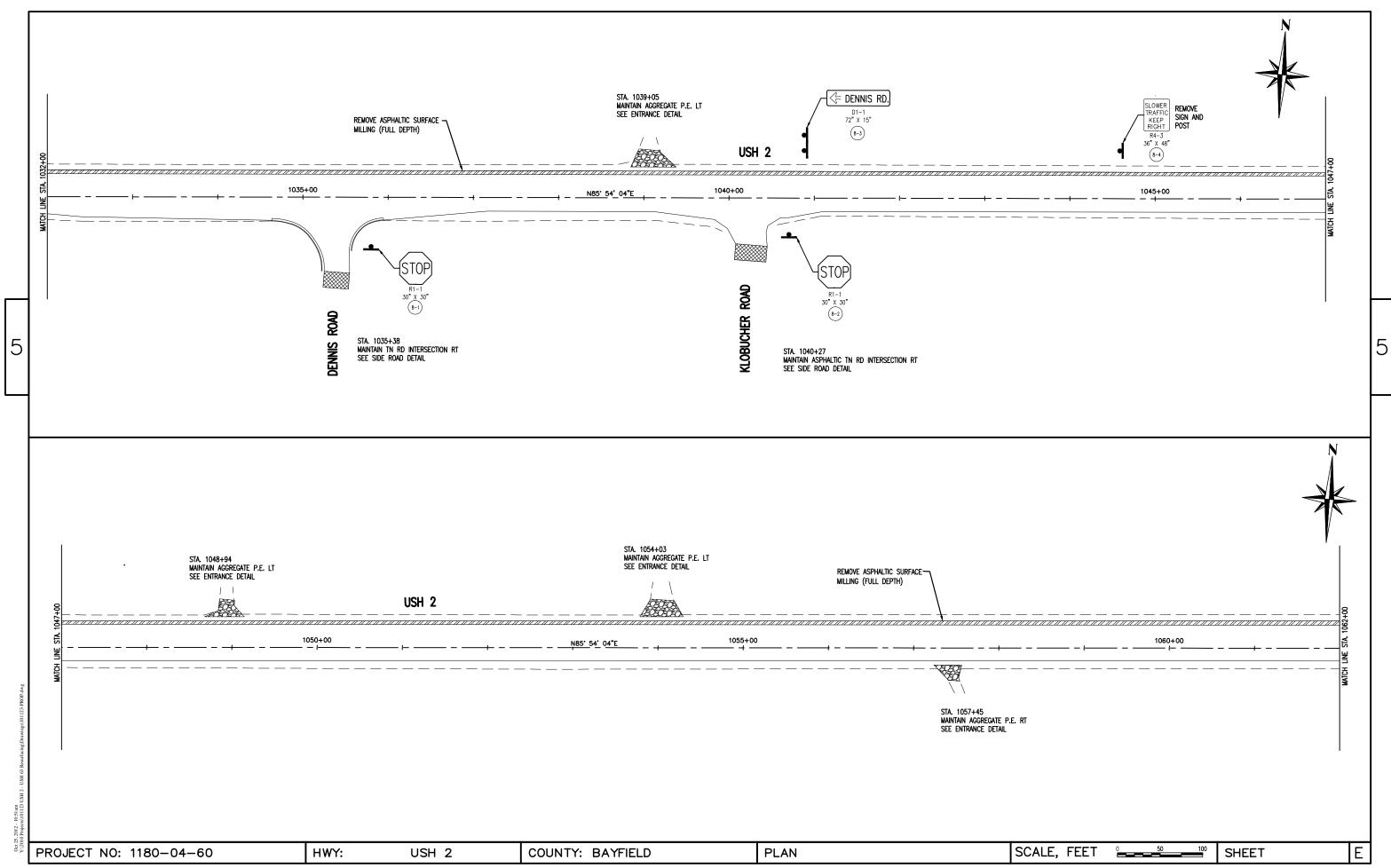


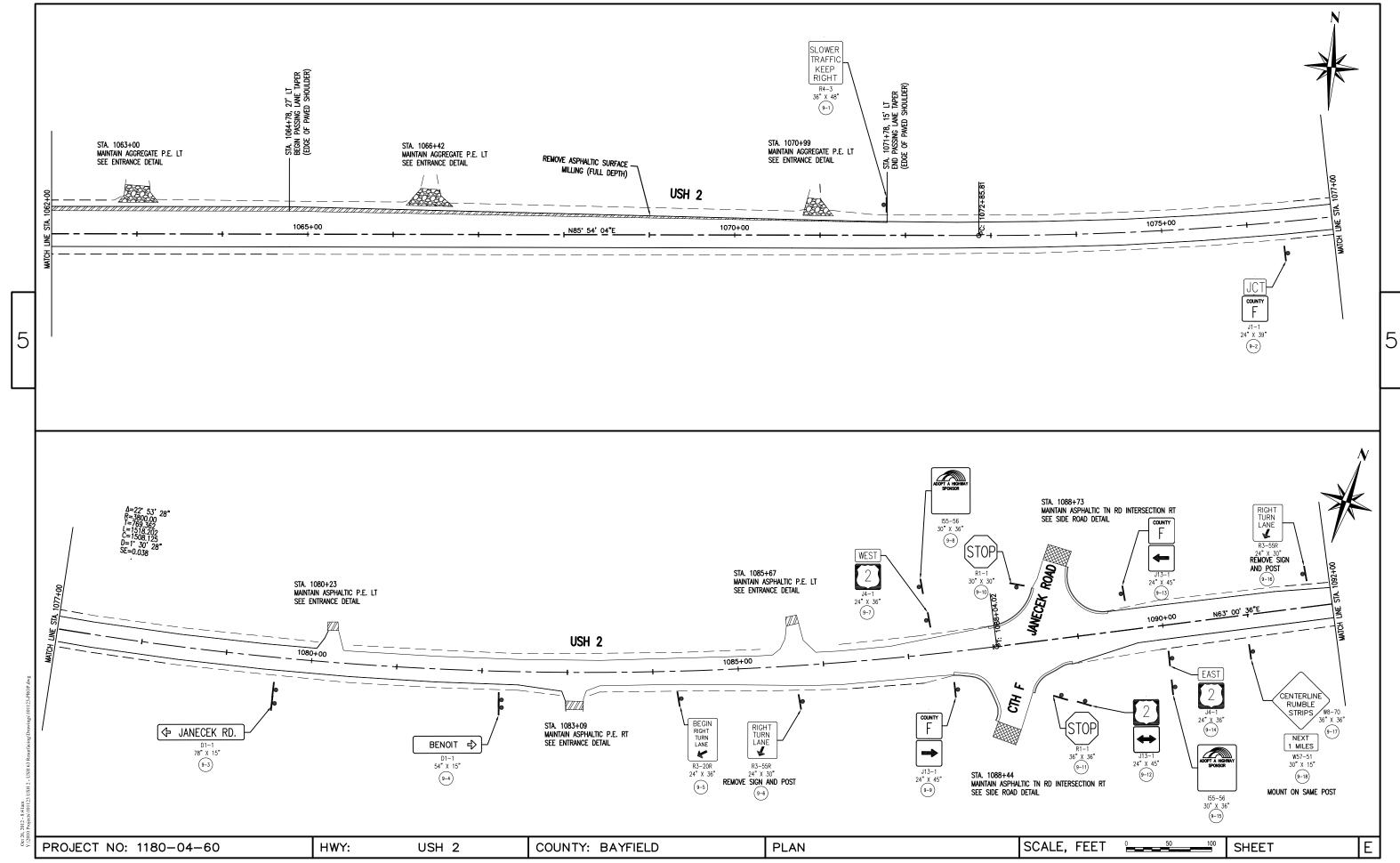


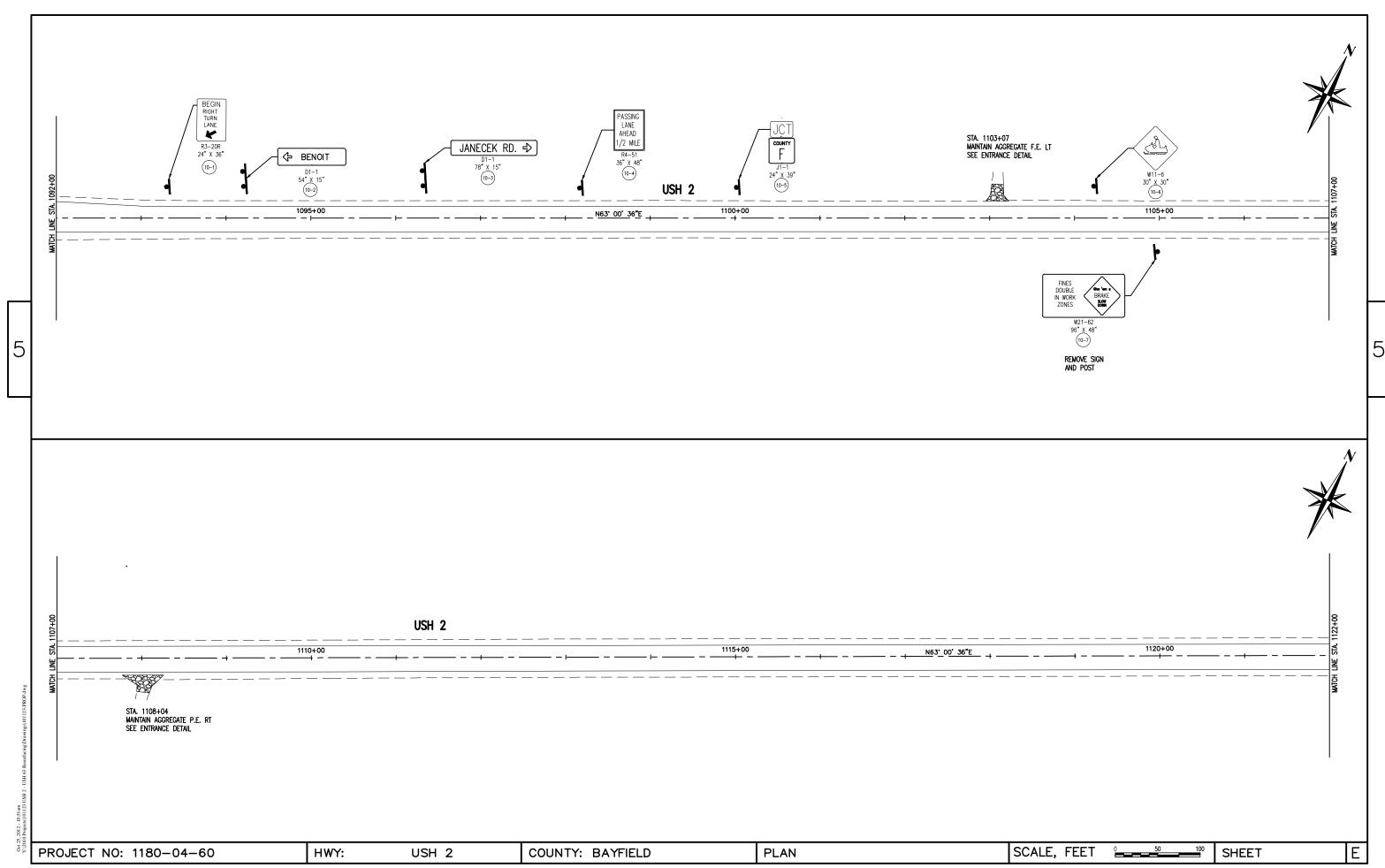


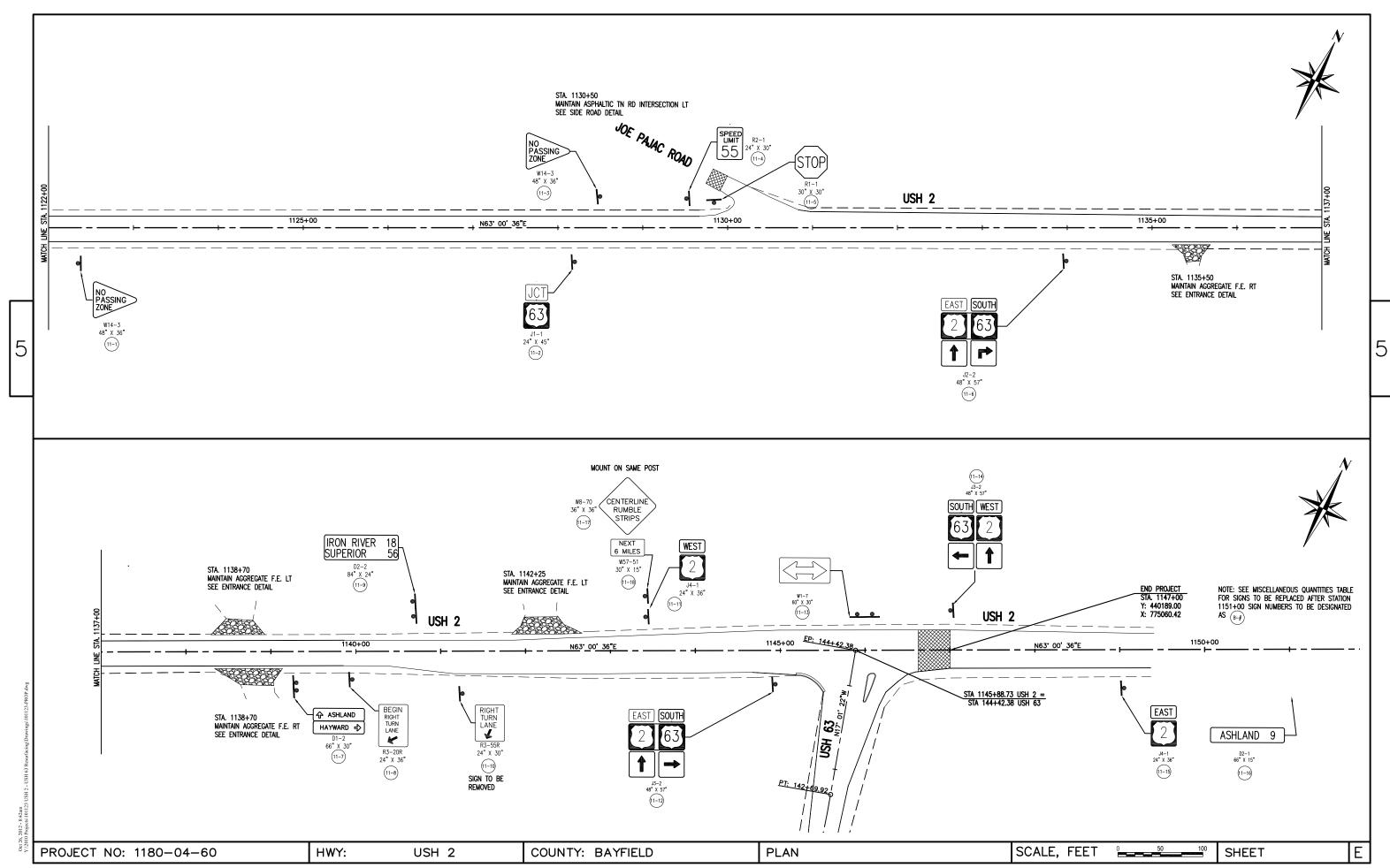


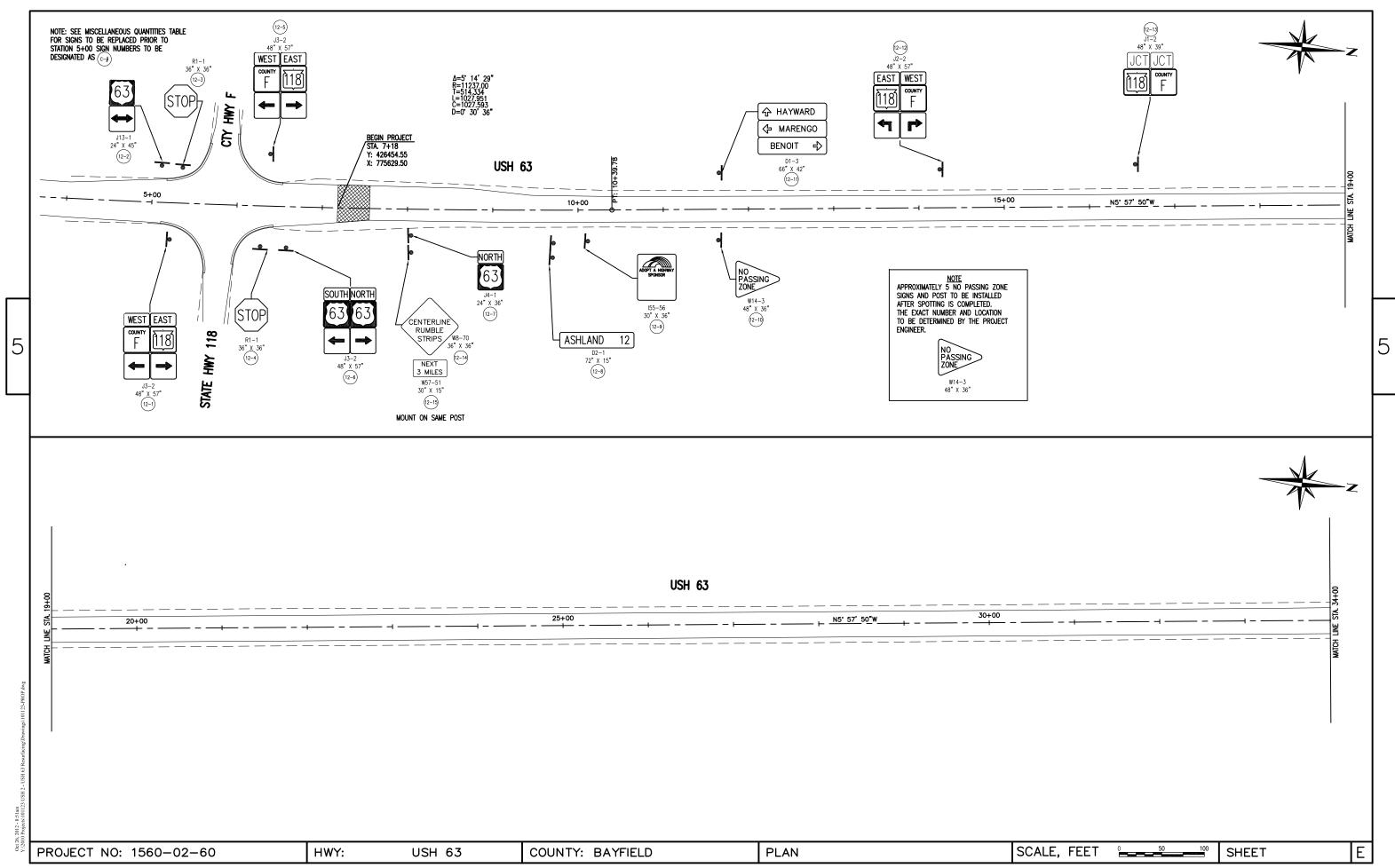


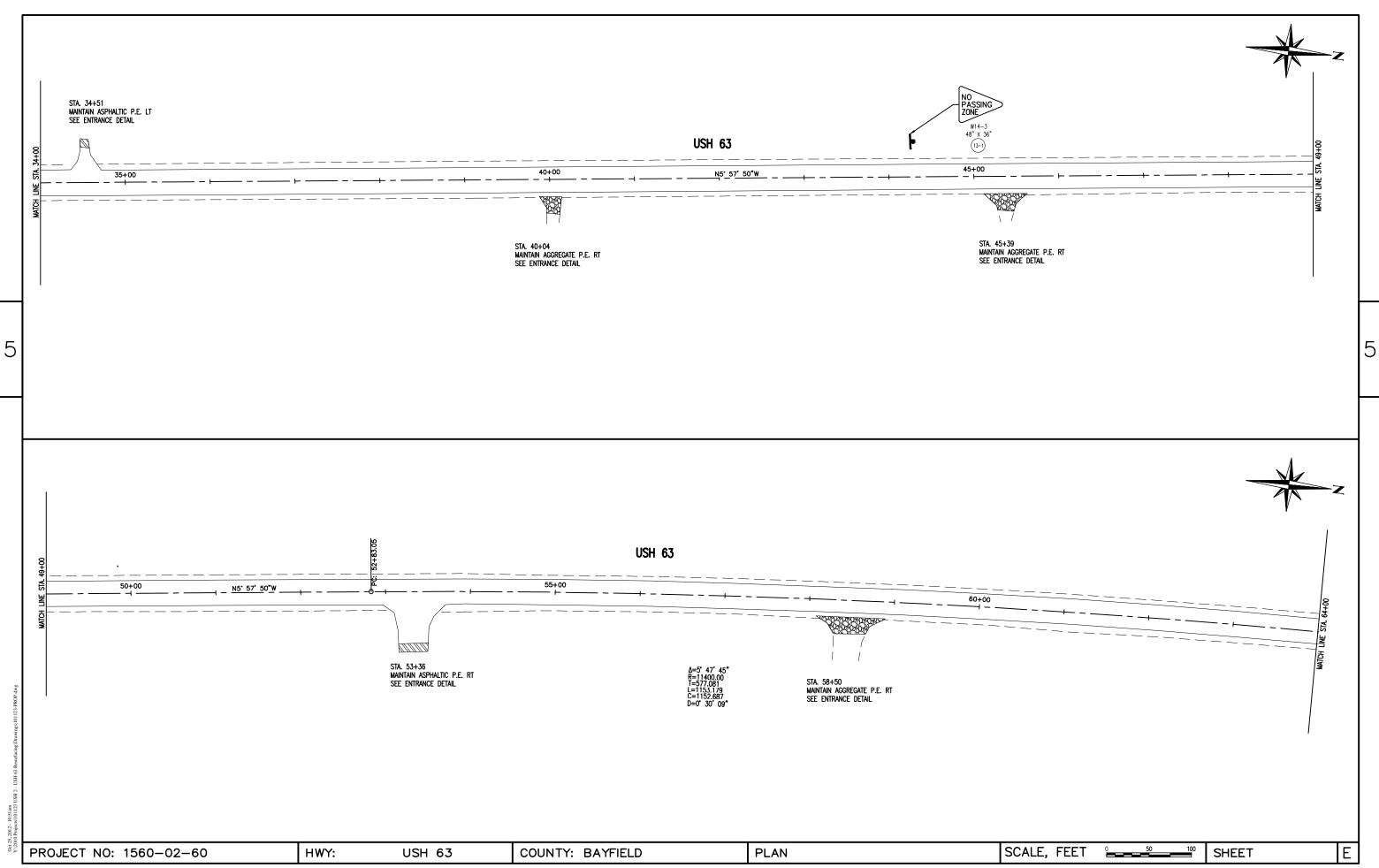


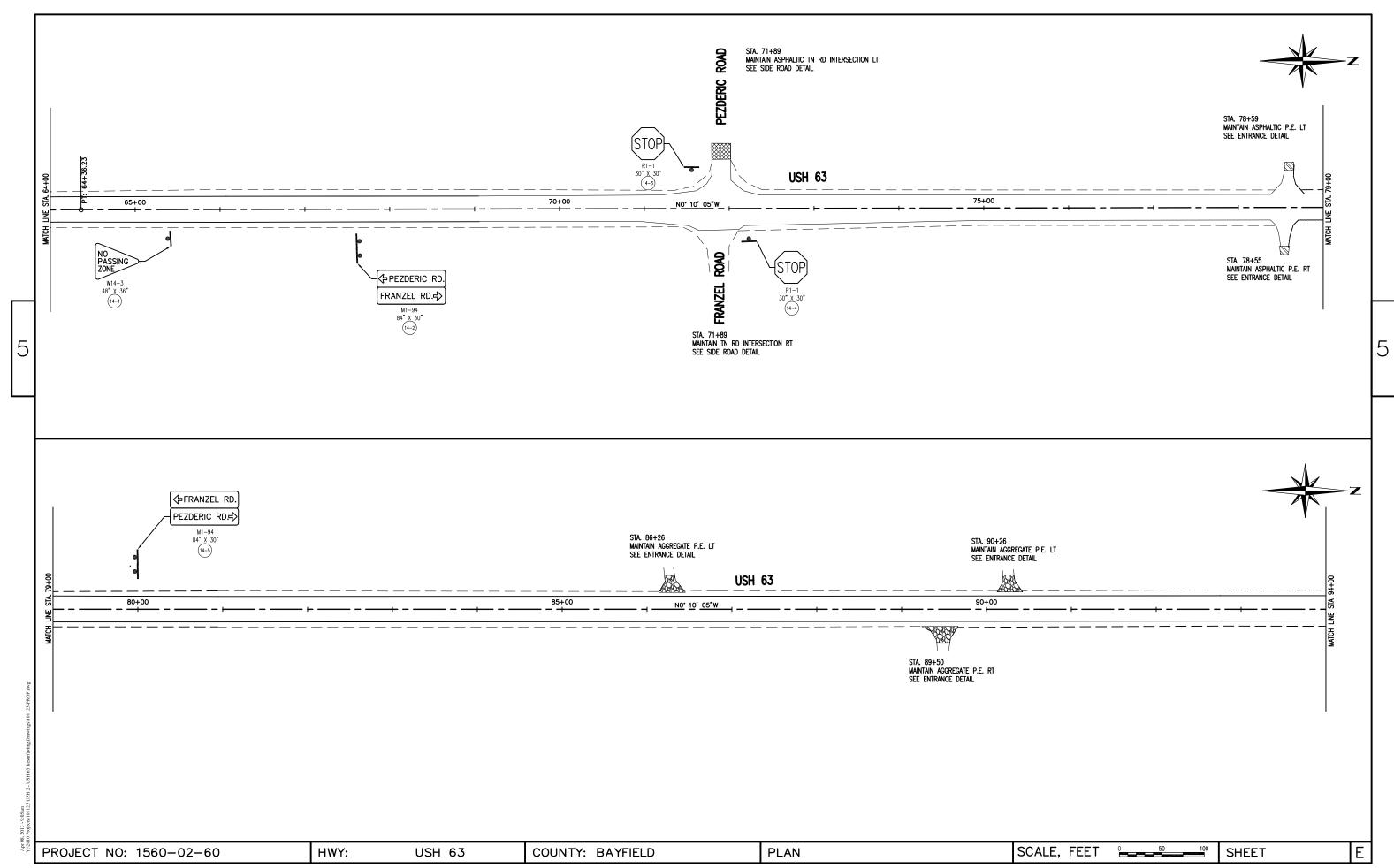


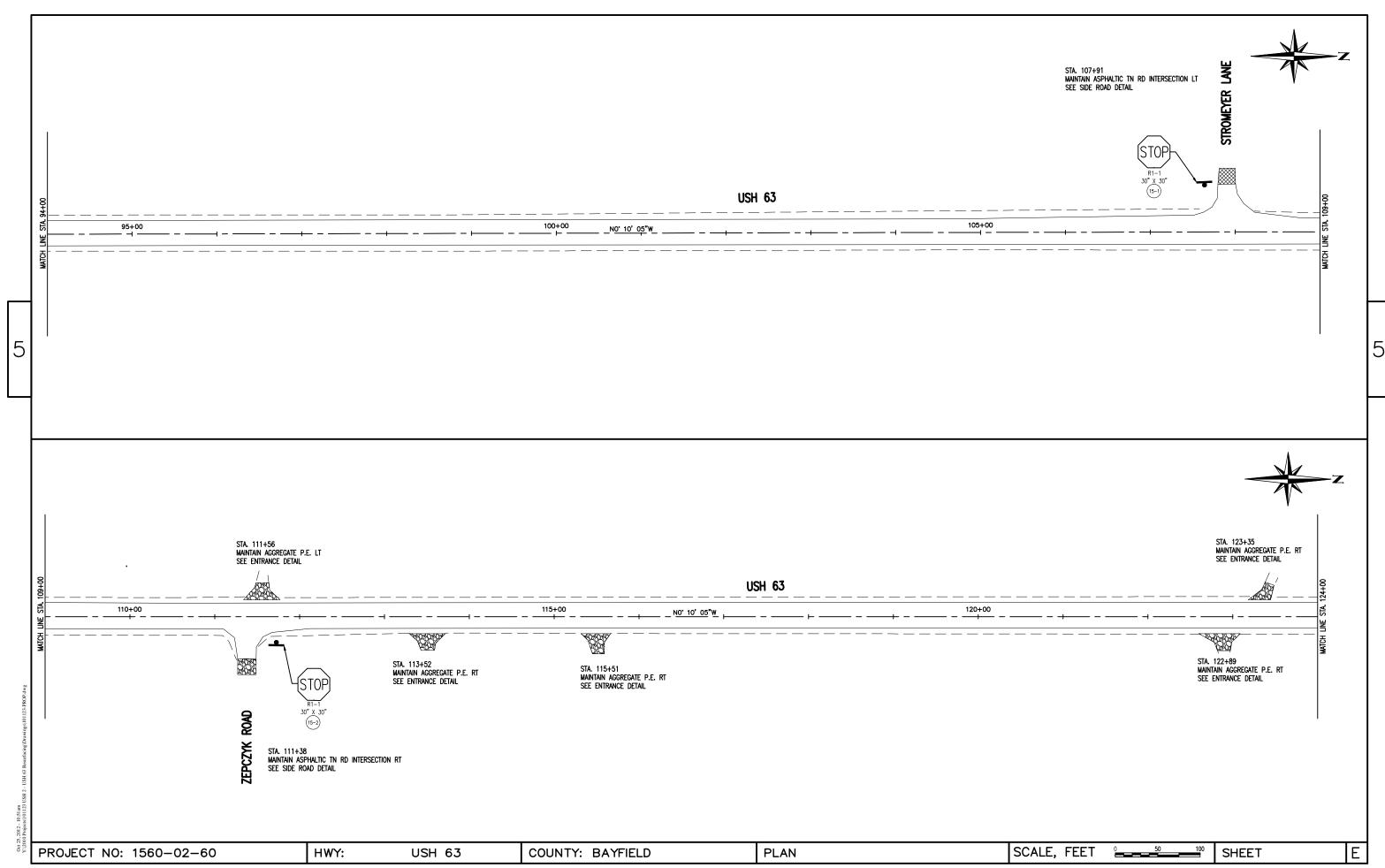


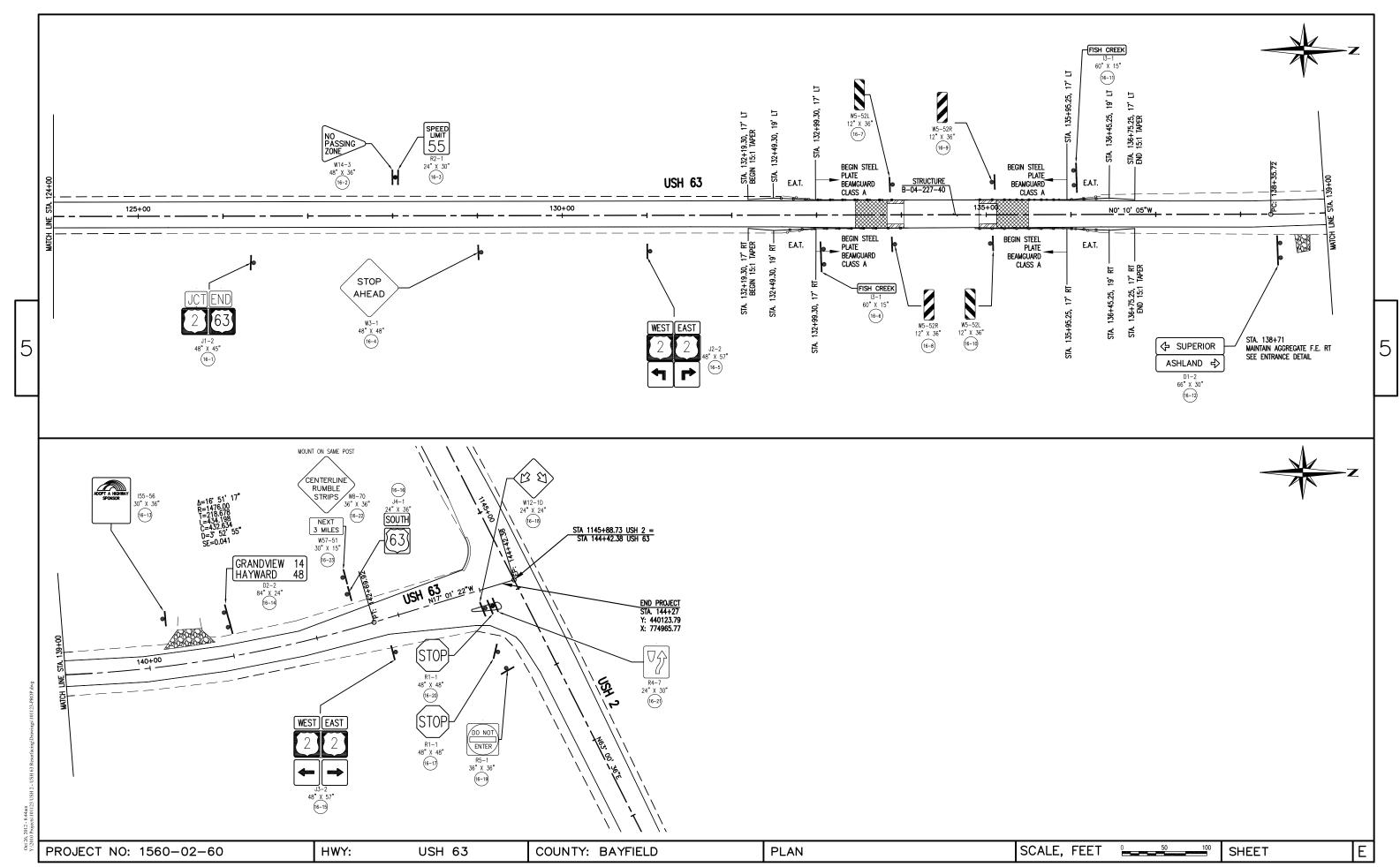












## Standard Detail Drawing List

08E09-06	SILT FENCE
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
13A08-01	ASPHALTIC RUMBLE STRIPS AT INTERSECTION
13A11-01A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-01B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14B42-02A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-02B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-02C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-01A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-01B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-01C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-03A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15C04-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C06-05	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15B	PAVEMENT MARKING (INTERSECTIONS)
15C08-15C	PAVEMENT MARKING (CLIMBING LANE & PASSING LANE)
15C08-15D	PAVEMENT MARKING (CLIMBING LANE & PASSING LANE)
15C08-15F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C27-01	DOUBLE ARROW WARNING SIGN PLACEMENT
15D06-02	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION

O

### TYPICAL APPLICATION OF SILT FENCE

6

b

Ō

Ш





#### PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



#### **GENERAL NOTES**

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

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- 2 FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



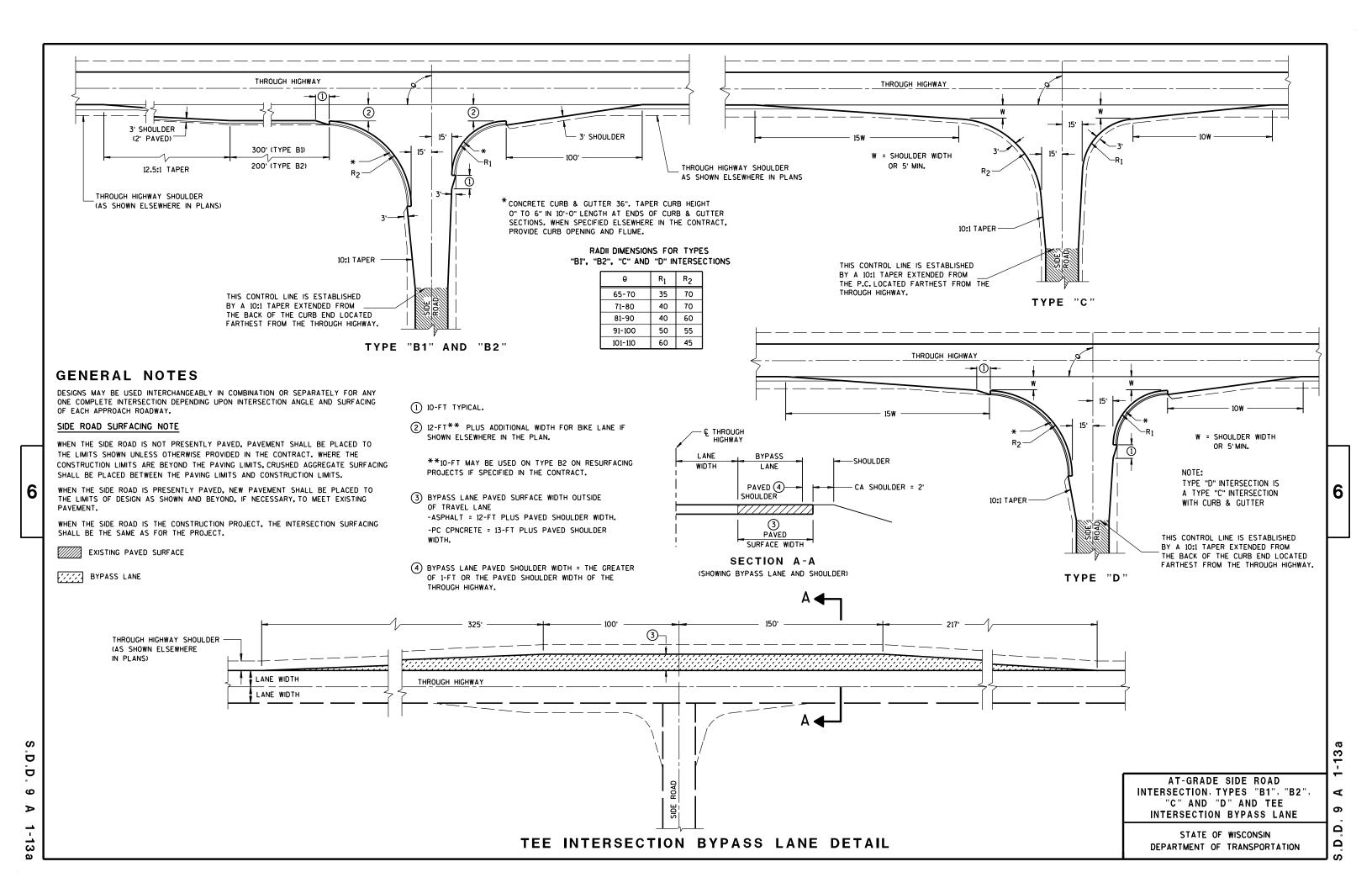
SILT FENCE TIE BACK

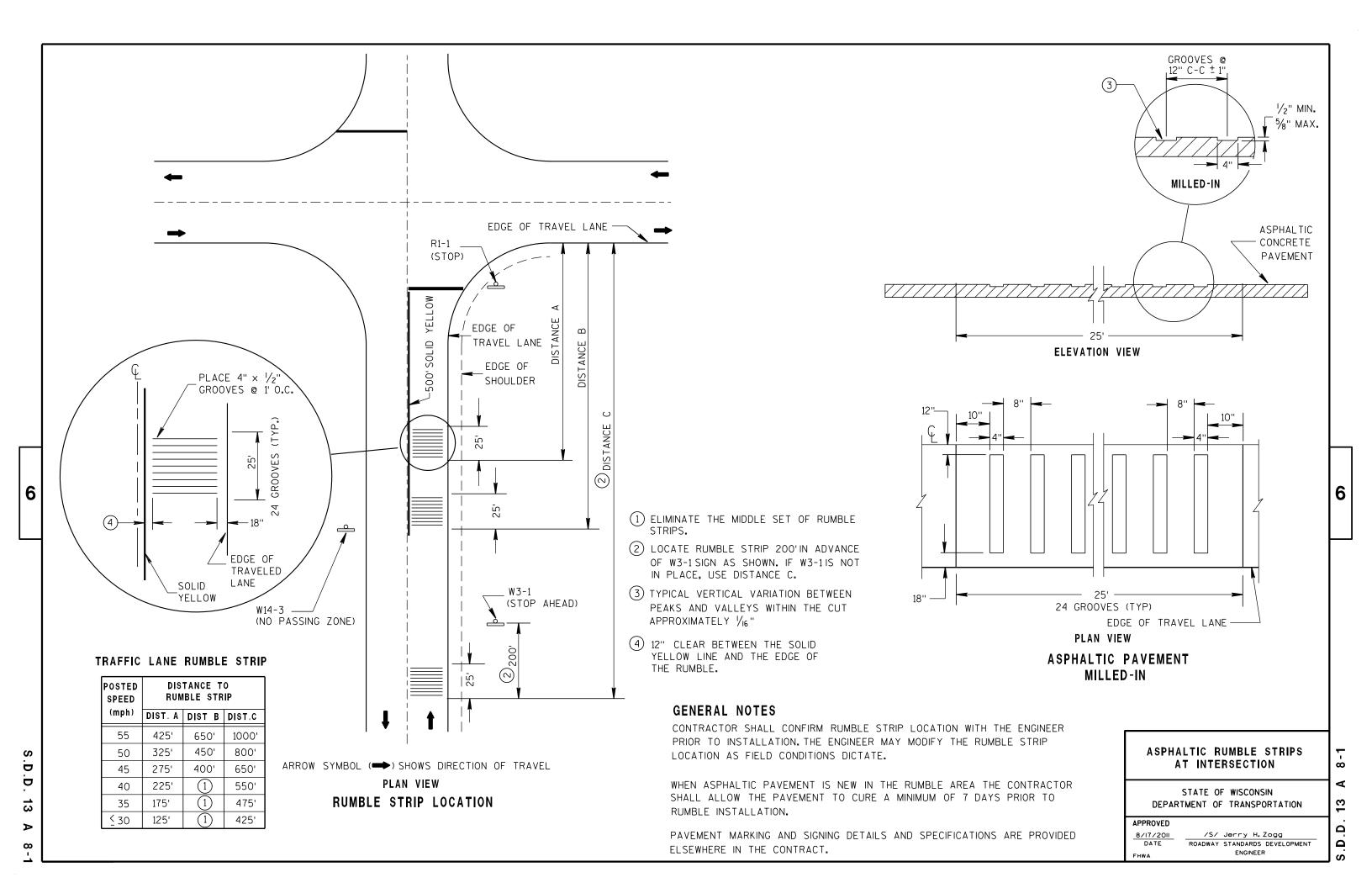
(WHEN REQUIRED BY THE ENGINEER)

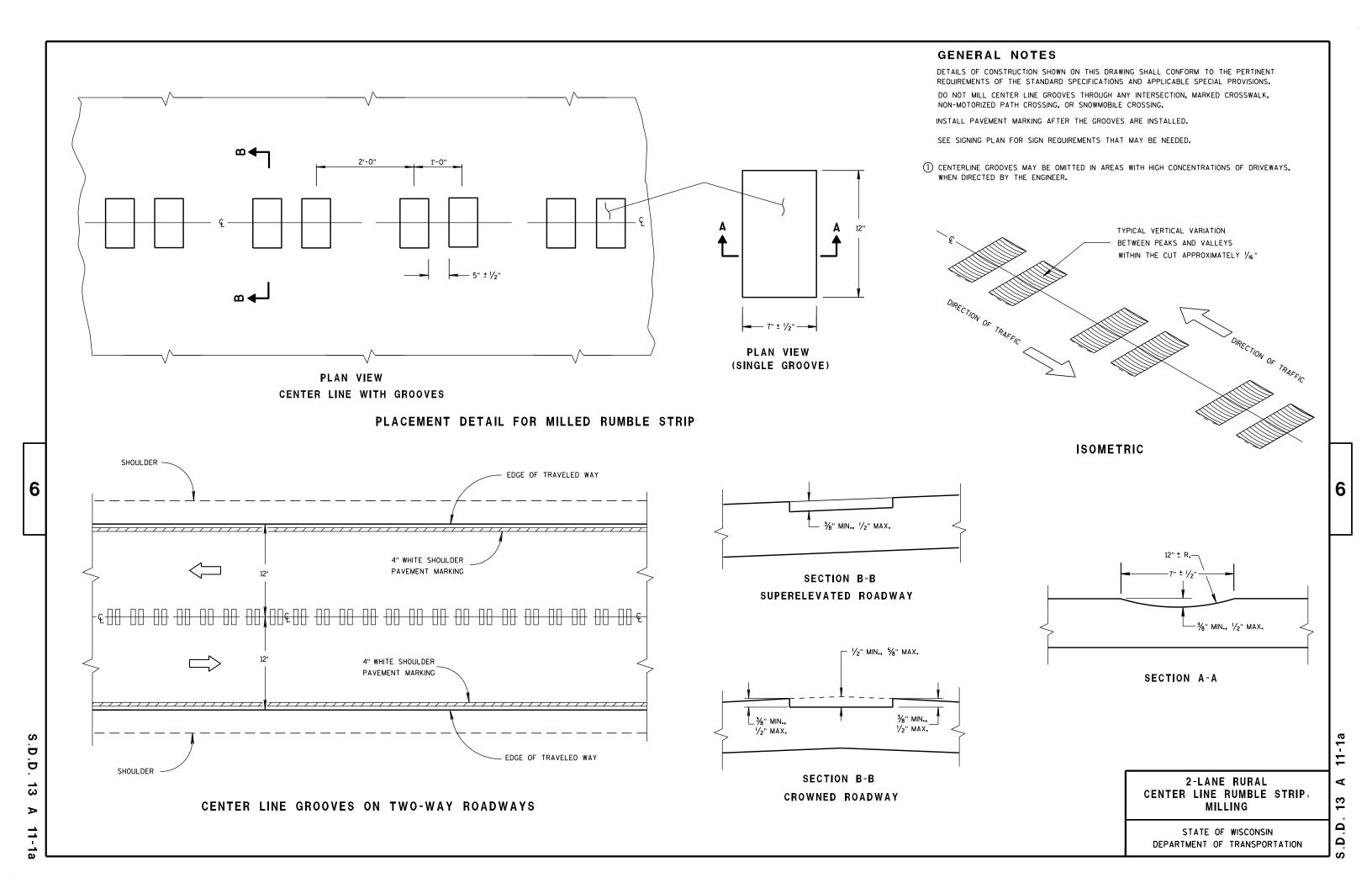


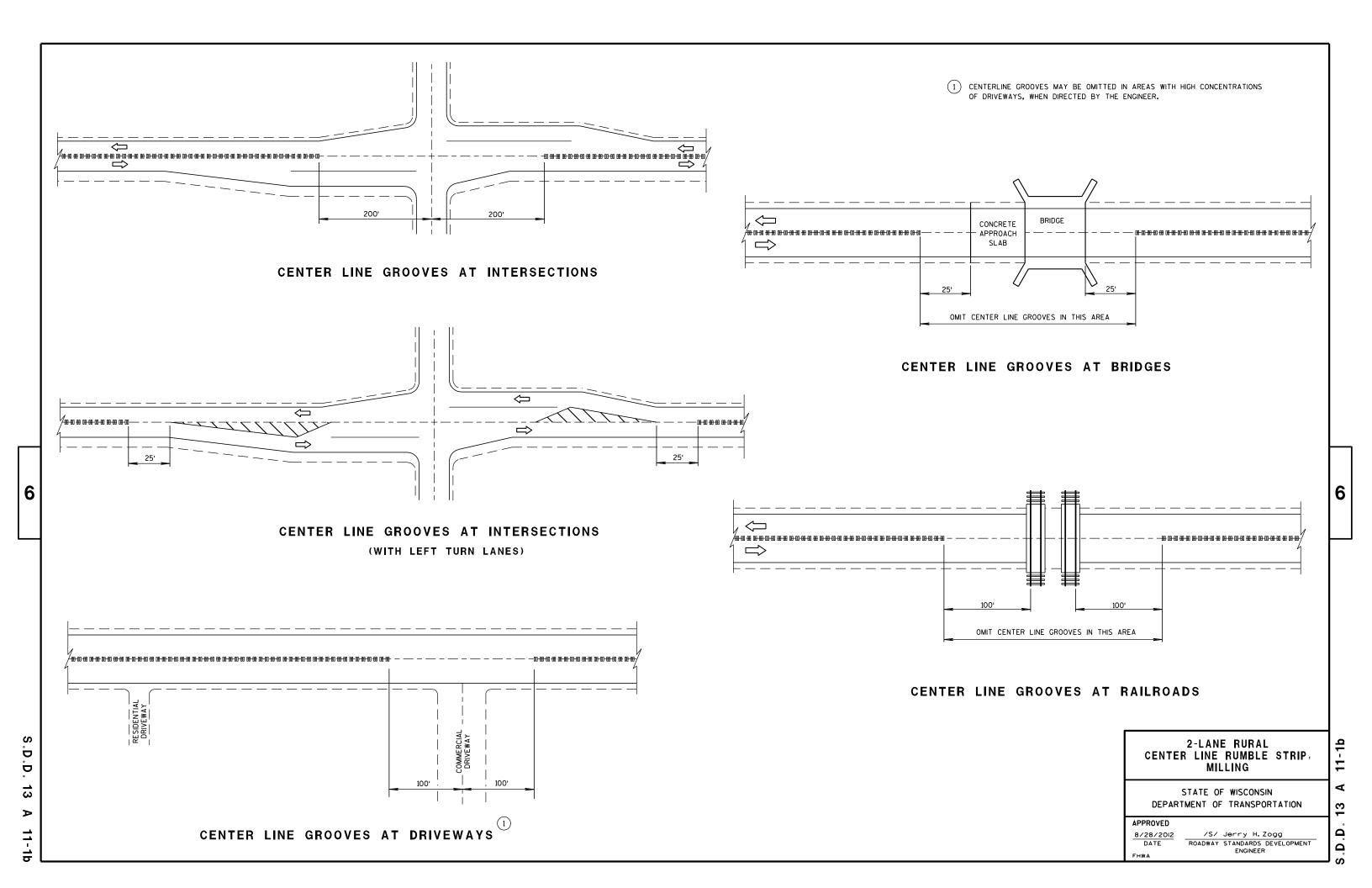
SILT FENCE

တ  $\infty$ 



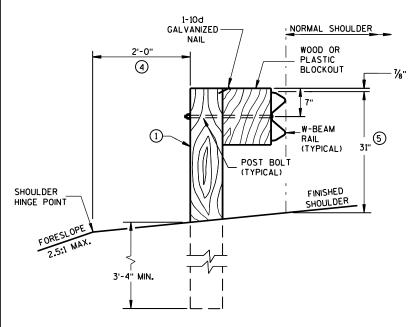






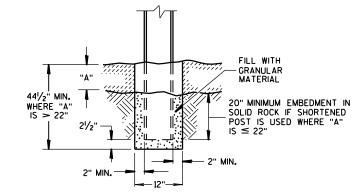
#### **GENERAL NOTES**

- (1) WOOD OR STEEL POSTS (W6X9 OR W6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
- ② USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 21/2INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- (4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- (5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27¾" TO 32".

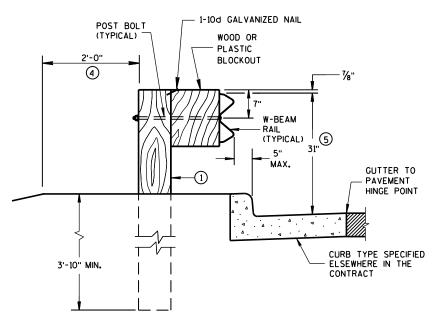


**END VIEW** 

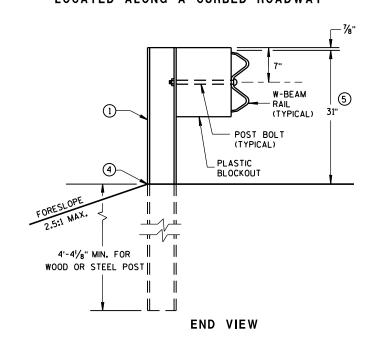
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



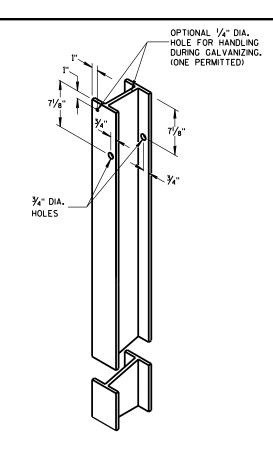
SETTING STEEL OR WOOD POST IN ROCK  $^{\scriptsize{\textcircled{3}}}$ 



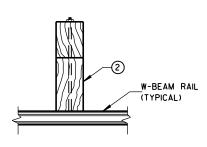
END VIEW
LOCATED ALONG A CURBED ROADWAY



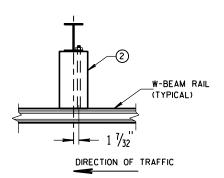
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



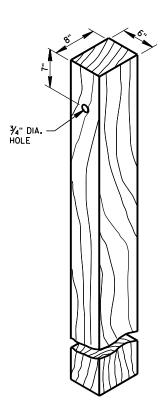
STEEL POST & HOLE PUNCHING DETAIL (w6X9)



PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM



WOOD POST (6" X 8") NOMINAL



WOOD OR PLASTIC BLOCKOUT

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D.

 $\boldsymbol{\varpi}$ 

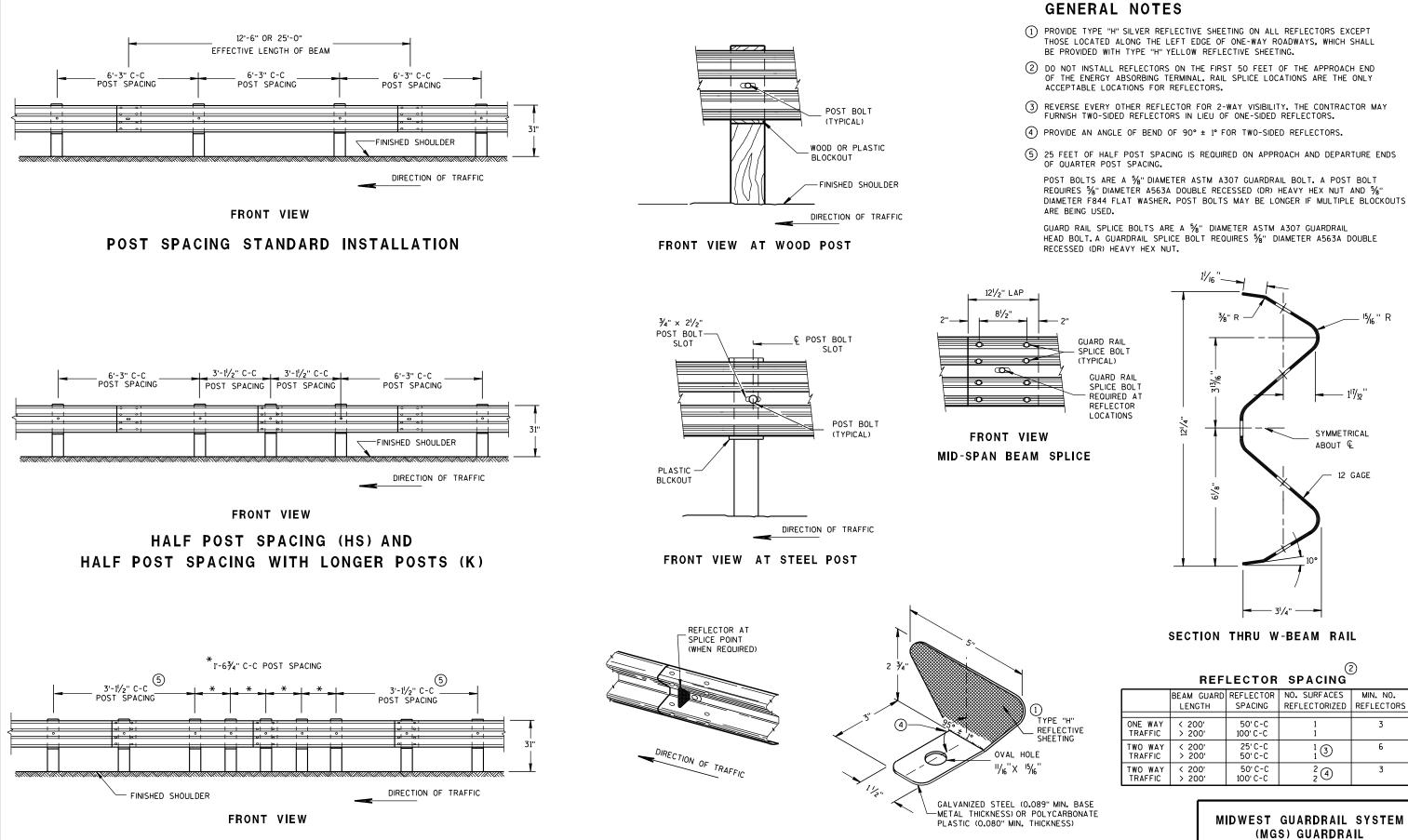
6

2 a

N

Ω

Ω



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

6

Ū

D

 $\boldsymbol{\varpi}$ 

QUARTER POST SPACING (QS)

<sup>15</sup>/<sub>16</sub>" R

SYMMETRICAL

12 GAGE

ABOUT €

6

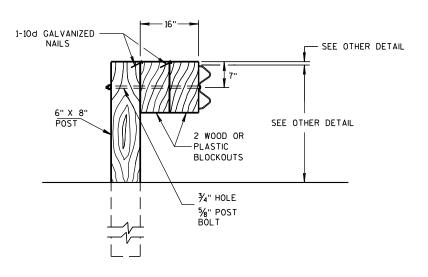
BEAM GUARD REFLECTOR NO. SURFACES MIN. NO.

SPACING | REFLECTORIZED | REFLECTORS 3 6 1 3 2 4 3

> MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

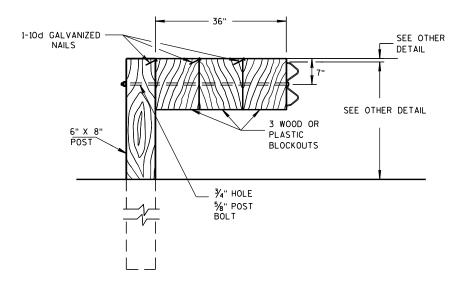
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION Ω Δ

3



#### DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.



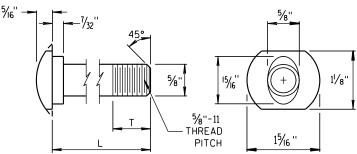
#### DETAIL FOR 36" BLOCKOUT DEPTH

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

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

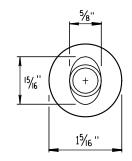
NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 1/16".

2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

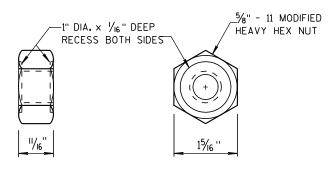


#### POST BOLT TABLE

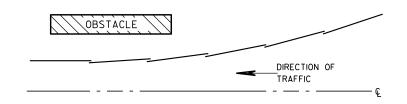
L	T (MIN.)
11/4"	1 1/8"
2"	13/4"
10"	4"
14"	4½ <sub>6</sub> "
18"	4"
21"	4½ "
25"	4"



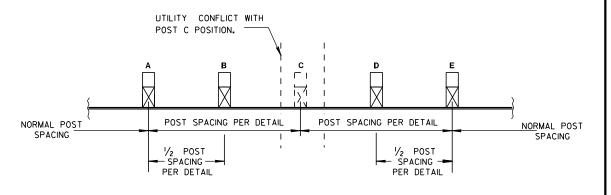
ALTERNATE BOLT HEAD



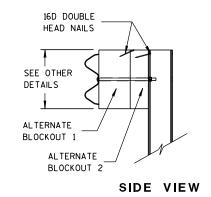
POST BOLT AND RECESS NUT

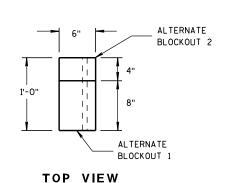


# PLAN VIEW BEAM LAPPING DETAIL



## POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

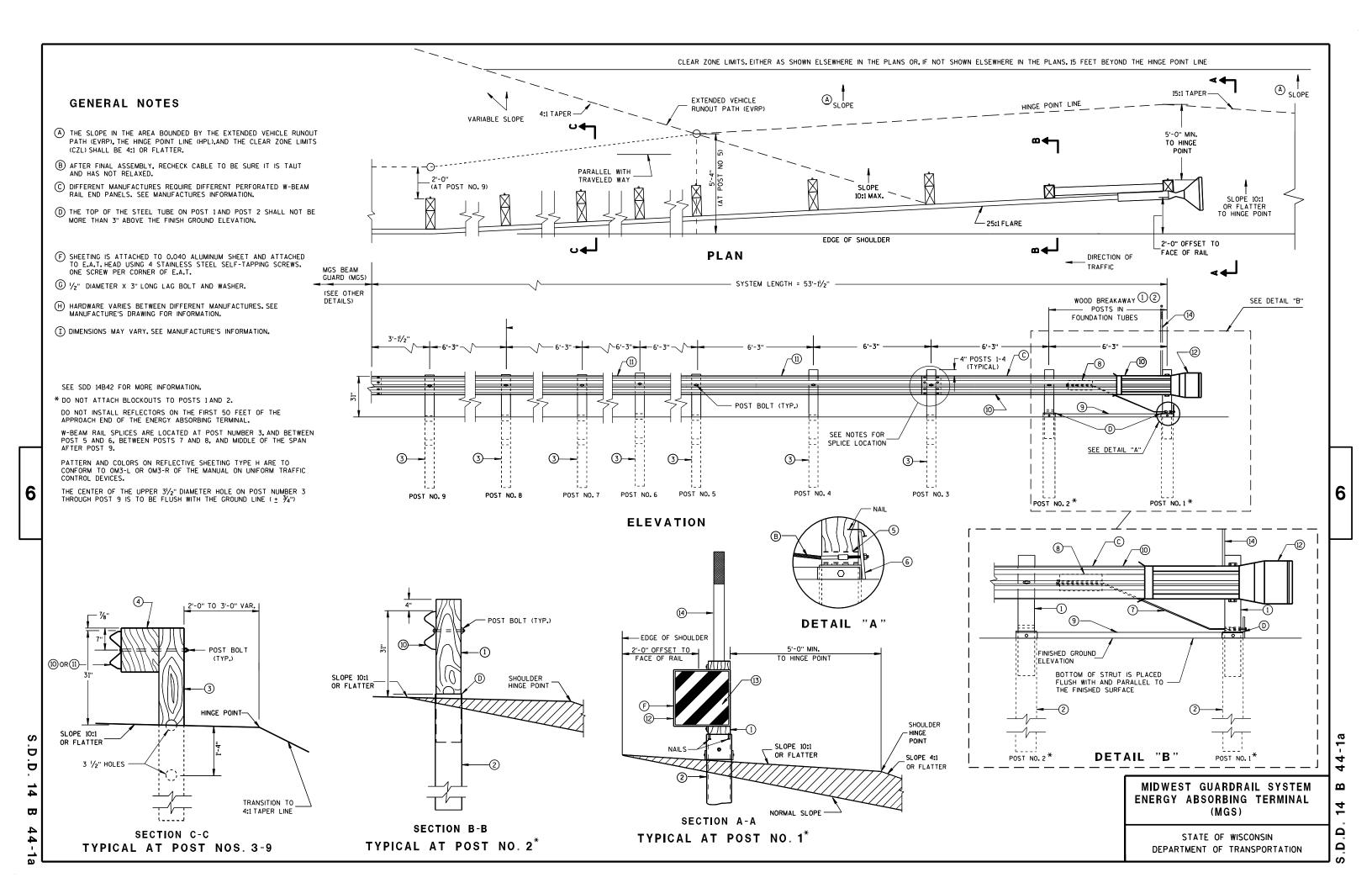
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

II/15/20II /S/ Jerry H. Zogg

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

.D.D. 14 B 42-2c



₩

GENERIC ANCHOR CABLE BOX

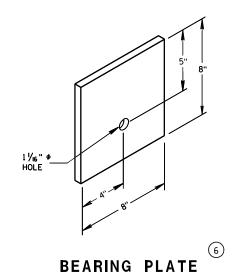
GENERIC GROUND STRUT

9 H

PLAN VIEW

#### **BILL OF MATERIALS**

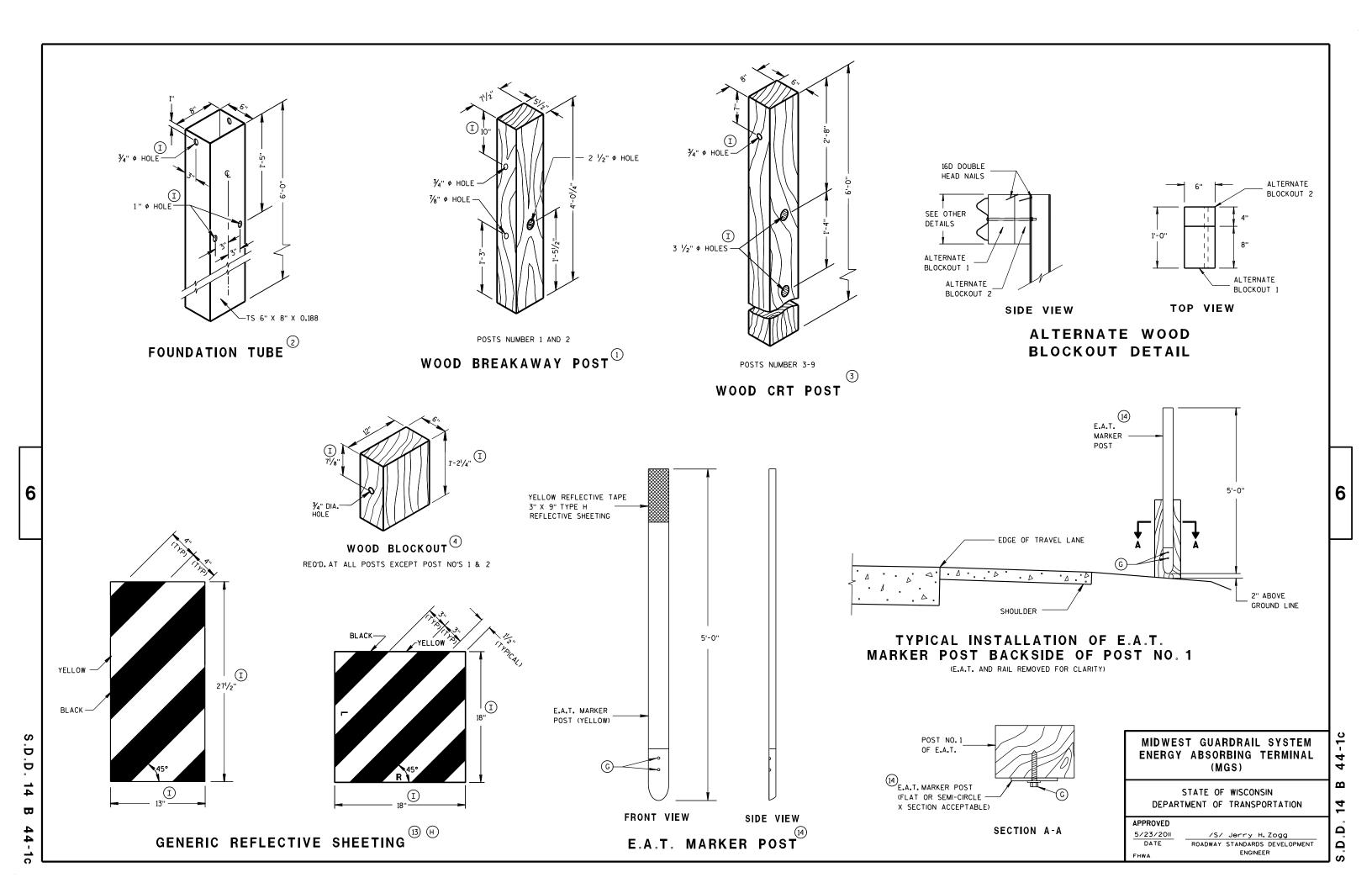
PART NO.	DESCRIPTION  MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
1	WOOD BREAKAWAY POST
@	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1AND 2
3	WOOD CRT
4	WOOD BLOCKOUT
(5)	PIPE SLEEVE
6	BEARING PLATE
7	BCT CABLE ASSEMBLY
8	ANCHOR CABLE BOX
9	GROUND STRUT
10	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(1)	STANDARD W-BEAM RAIL.MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
(2)	END SECTION EAT
13)	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE H (ONLY THE SHEETING IS SUPPLIED BY THE MANUFACTURER)
14)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)

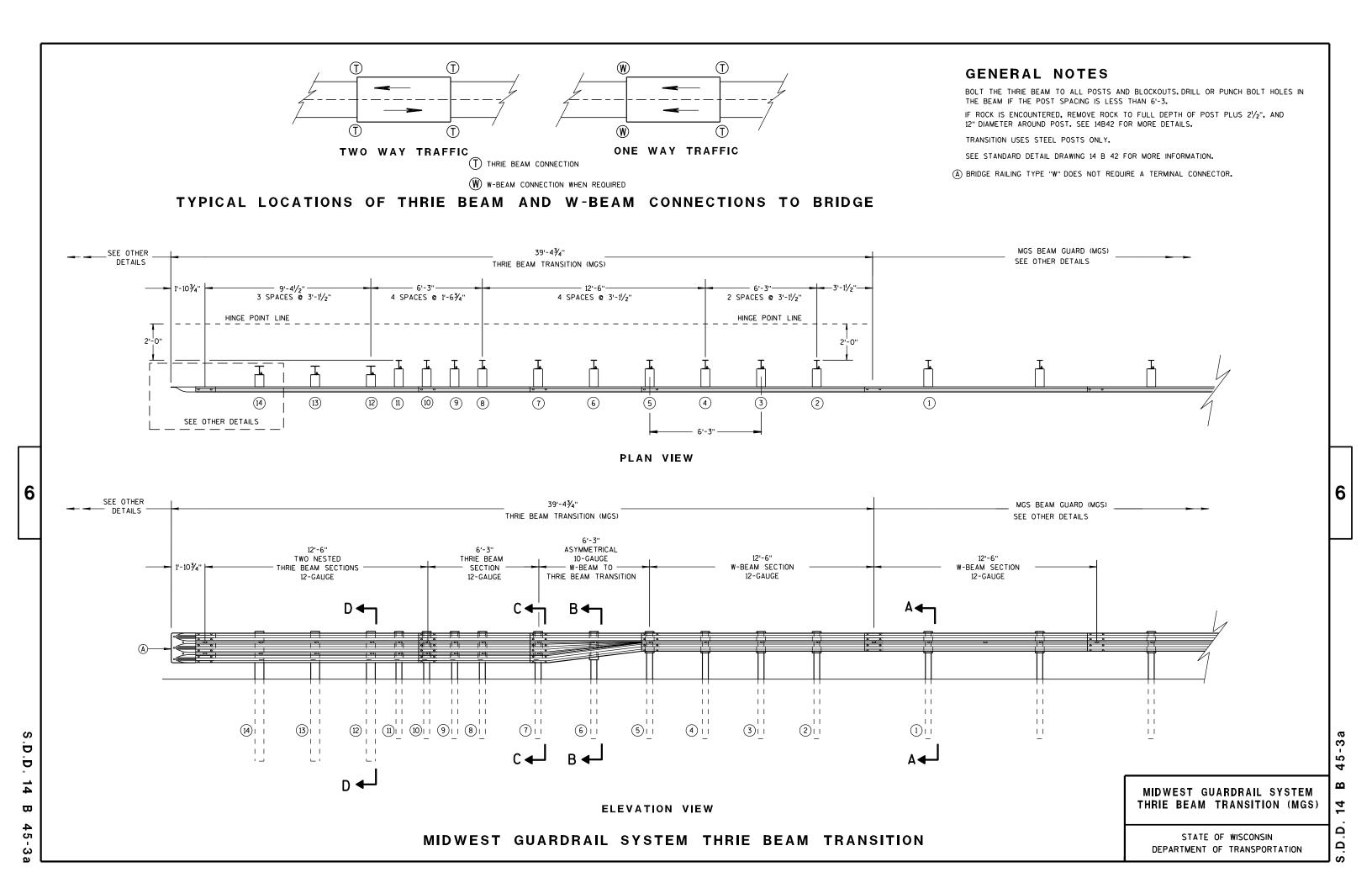


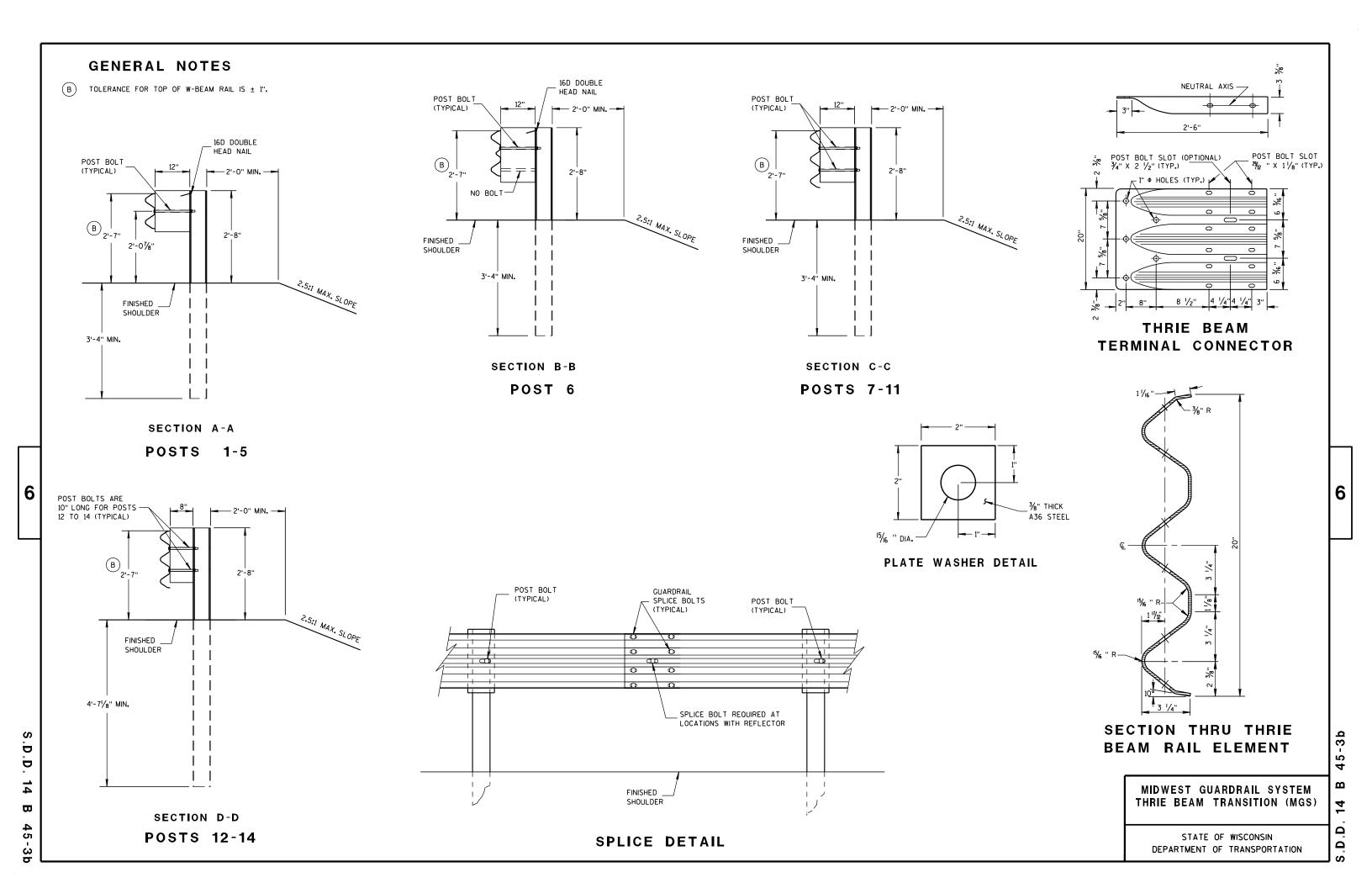
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

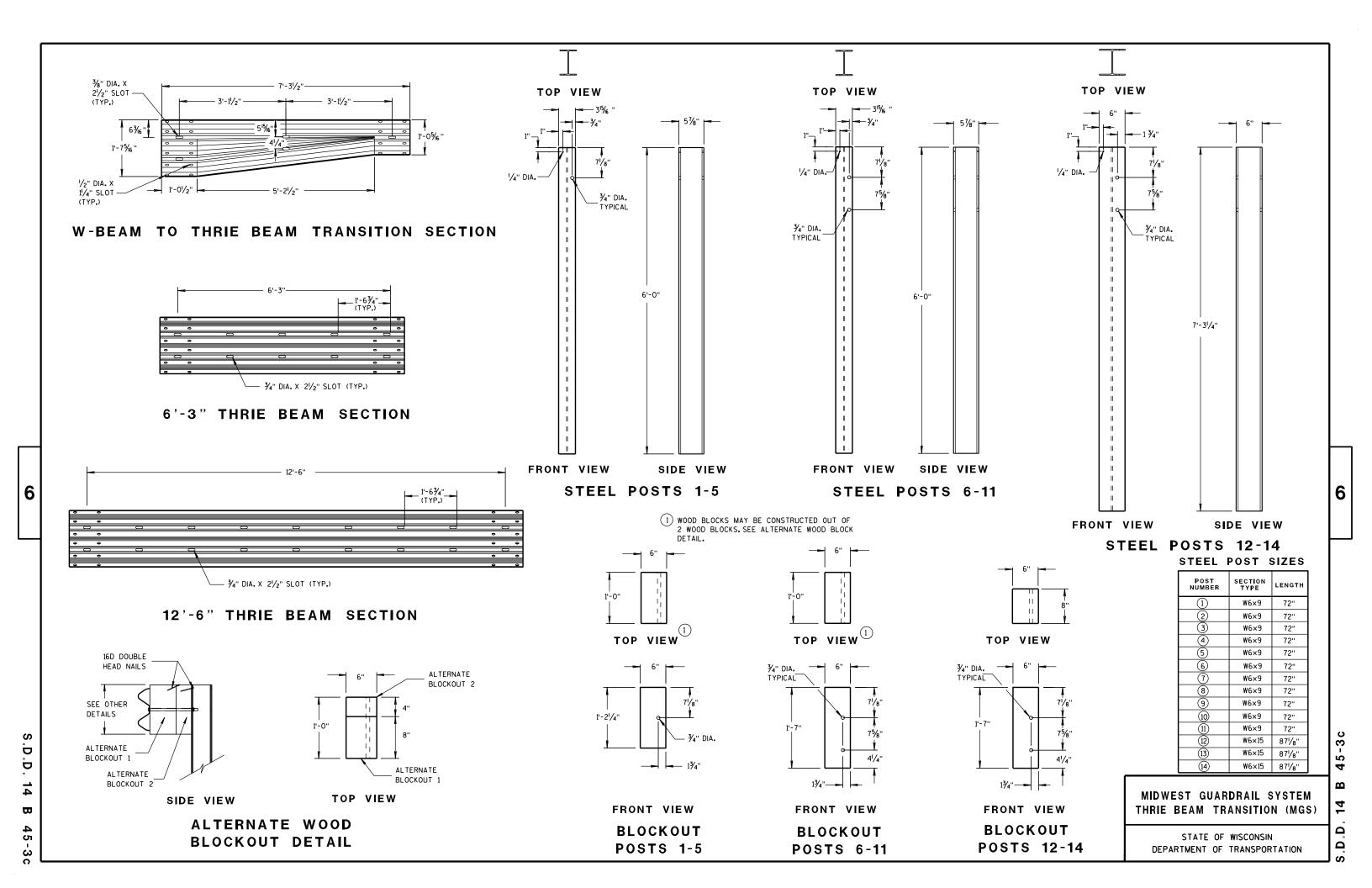
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

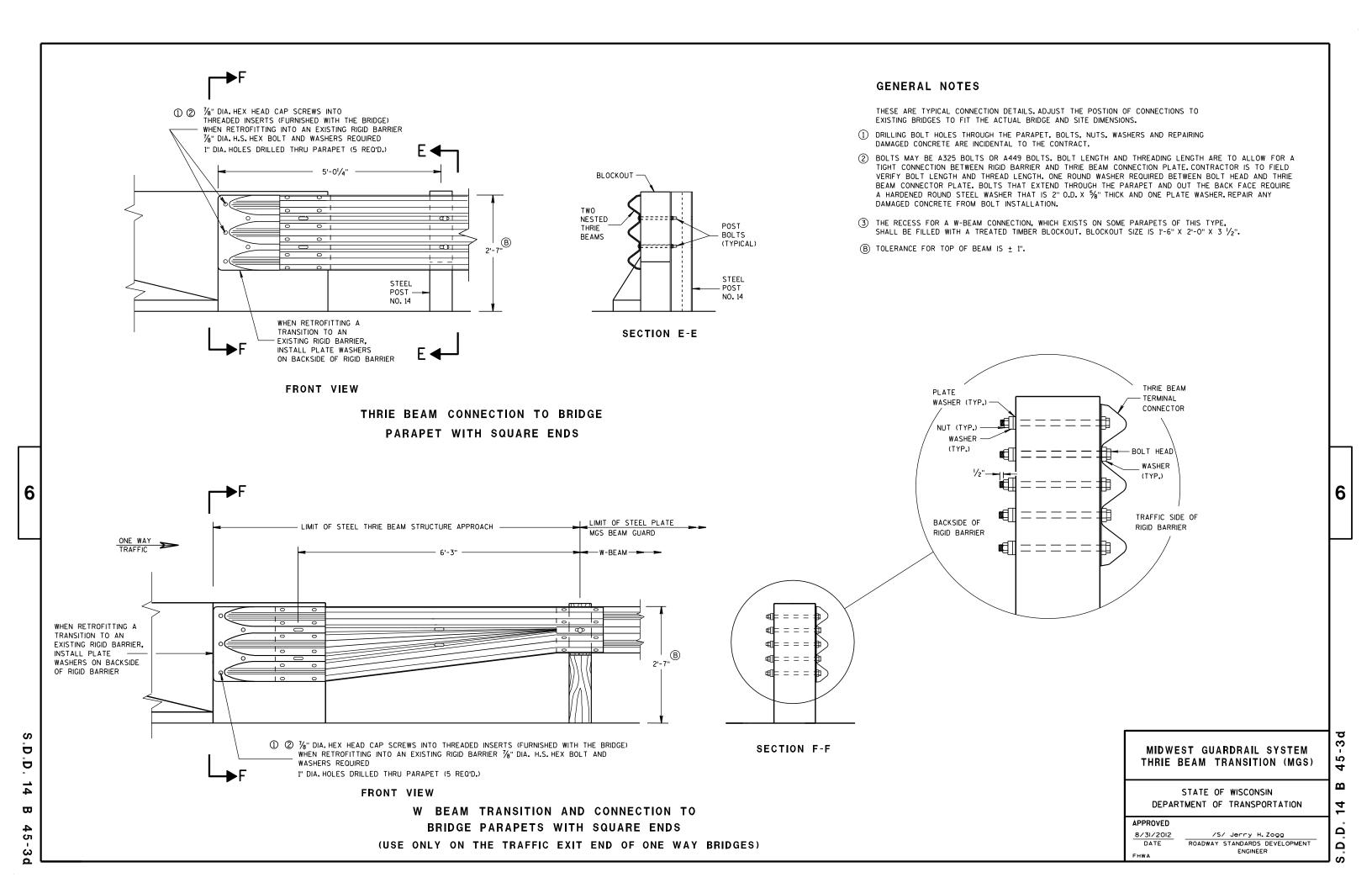
S.D.D.







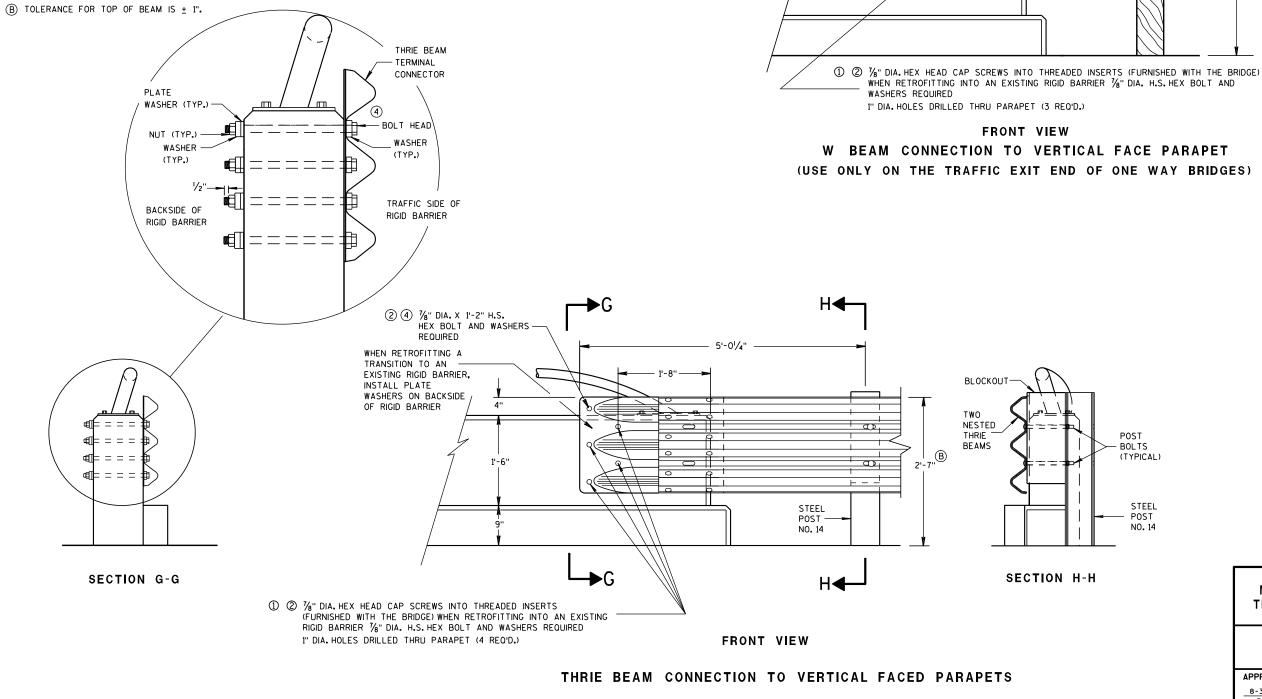




D

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

- (1) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.
- (2) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE, BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5%" THICK AND ONE PLATE WASHER REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.
- (3) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2". BLOCK IS INCIDENTAL TO THE CONTRACT.
- 4 BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.



② 1/8" DIA. X 1'-2" H.S.

REQUIRED

WHEN RETROFITTING

A TRANSITION TO

AN EXISTING RIGID

BARRIFR INSTALL -

PLATE WASHERS

ON BACKSIDE OF

RIGID BARRIER

HEX BOLT AND WASHERS

W BEAM TERMINAL -CONNECTOR

4

LIMIT OF STEEL PLATE

5'-0 1/4" -

4'-2 1/4"

- 3'-1<sup>1</sup>/2'

MGS BEAM GUARD

ONE WAY

(B)

6

2

 $\mathbf{\omega}$ 

Ω

MIDWEST GUARDRAIL SYSTEM

THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

/S/ Jerry H. Zogg

ROADWAY STANDARDS DEVELOPMENT

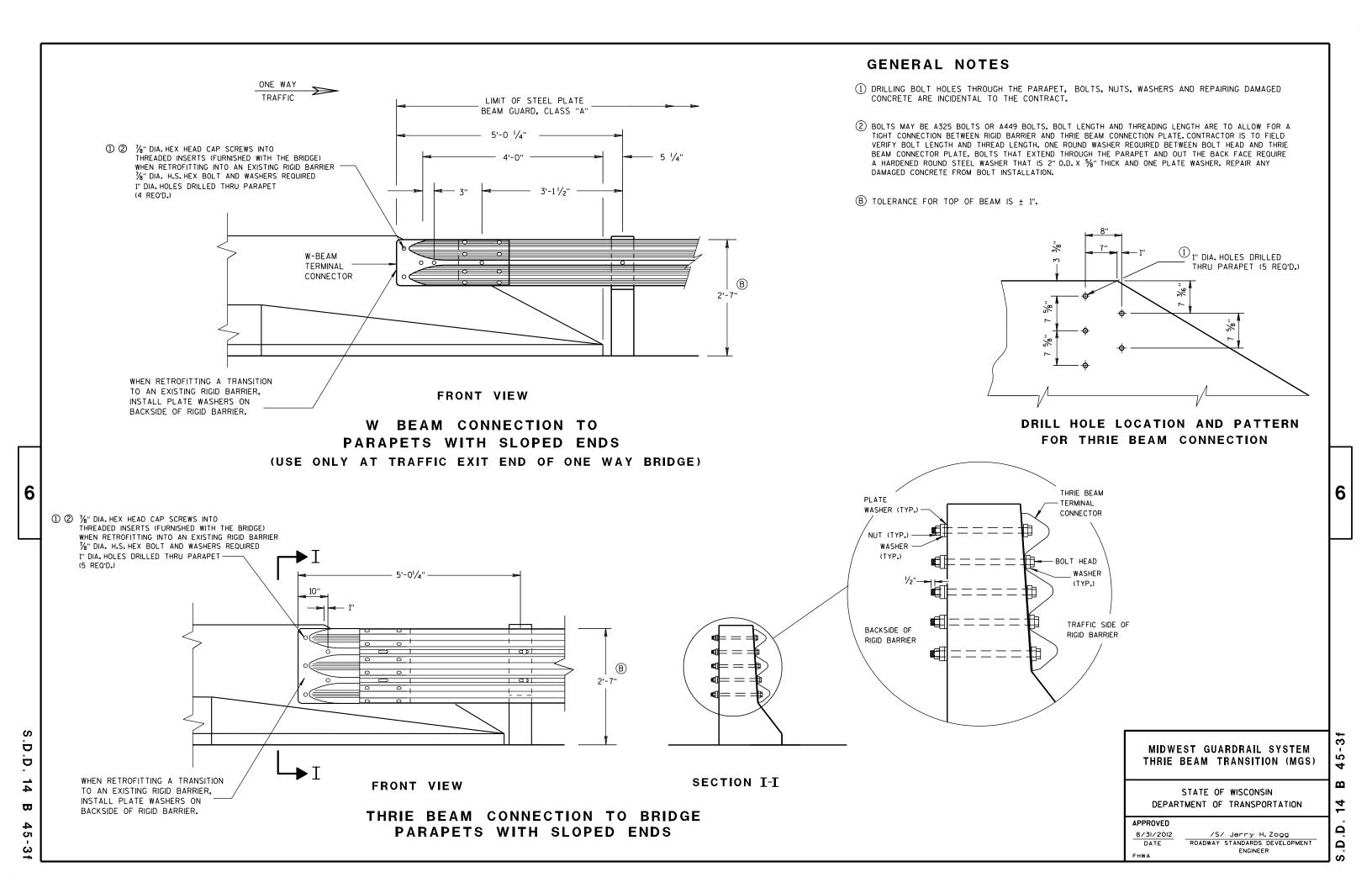
ENGINEER

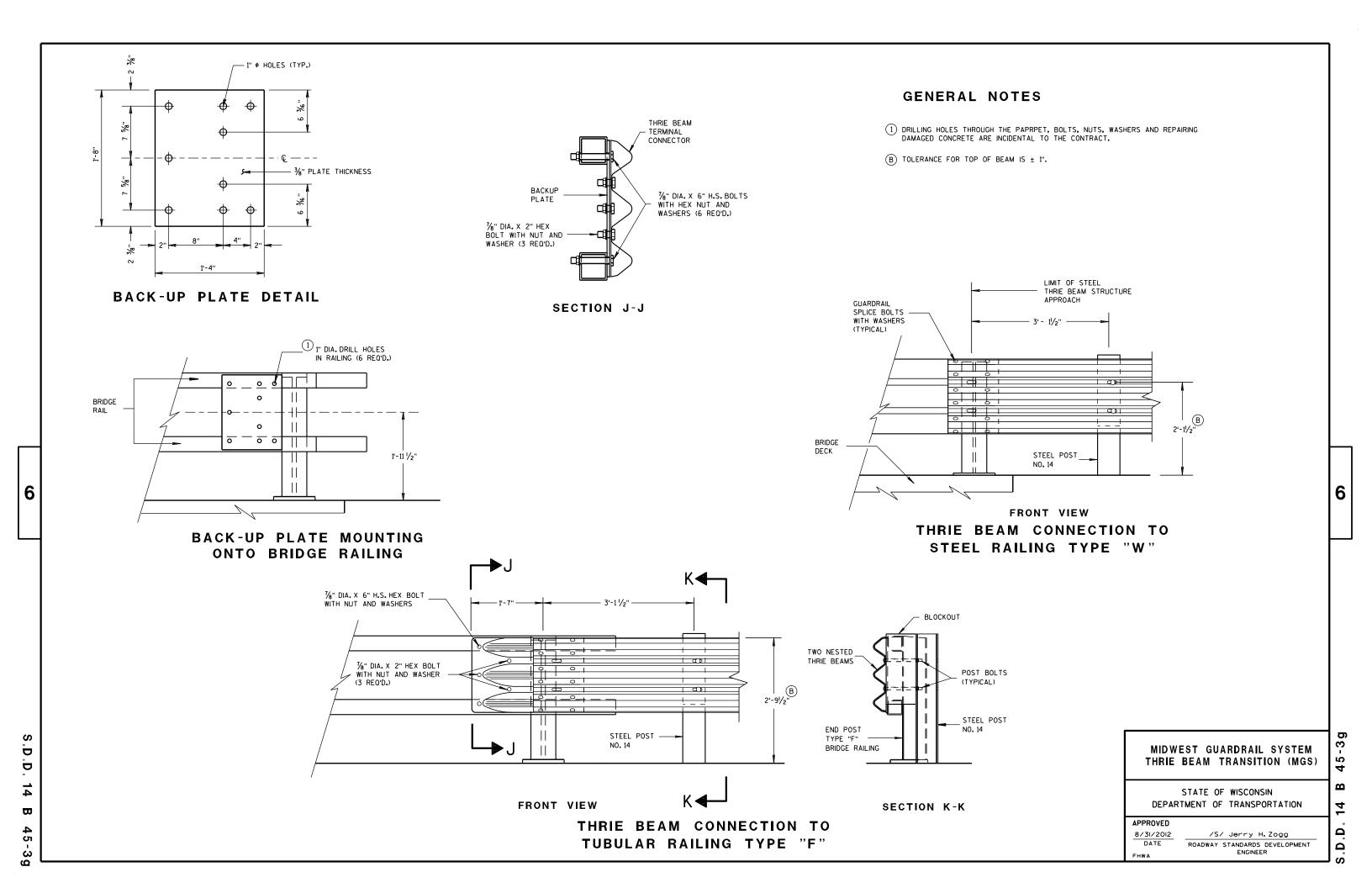
APPROVED

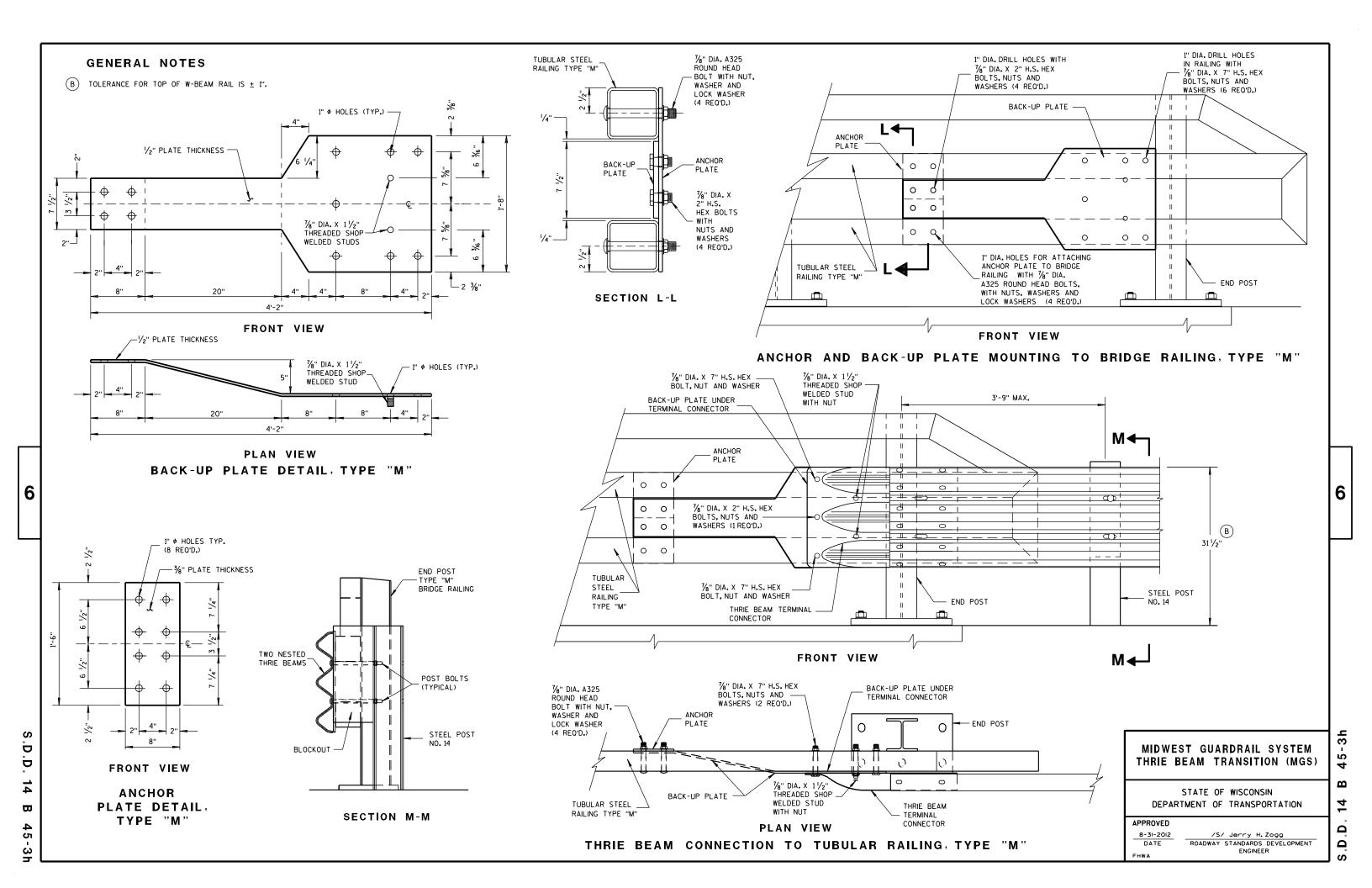
8-31-2012

2'-7"

TRAFFIC







(PER ASSEMBLY)					
PLATE	QUANTITY	SHAPE	SIZE (A × B × C × D)	THICKNESS	
P1	1	в₫	20" × 20"	3/6 "	
P2	1	B∱c	20" × 20" × 28%6"	¾6 "	
Р3	1	B C D	39" × 35/8" × 20" × 191/6"	3∕16 ''	
S1	4	B	18 1/6 " × 3 1/8" × 18 3/4"	1/4"	
S2	1	B C D	10 <sup>1</sup> / <sub>4</sub> " × 2 <sup>1</sup> / <sub>16</sub> " × 10 <sup>3</sup> / <sub>8</sub> " × <sup>1</sup> / <sub>2</sub> "	1/4"	
S3	1	B C D	$3" \times 1^{1}/_{16}" \times 3^{1}/_{8}" \times 1^{1}/_{2}"$	1/4"	
S4	1	вД	6½" × 2½6"	1/4"	
S5	1	В	6½" × ½"	1/4"	
S6	1	В	7¾" × 1¾"	1/4"	
S7	1	A DC	2%6" × 6" × 3%" × 5%"	1/4"	
S8	1	A∰C	1 <sup>5</sup> / <sub>32</sub> " × 7 <sup>1</sup> / <sub>2</sub> " × 2 <sup>1</sup> / <sub>2</sub> " × 7 <sup>3</sup> / <sub>8</sub> "	1/4"	
S9	1	C <del></del>	$6\frac{1}{16}$ " × $6\frac{3}{16}$ " × $1\frac{3}{32}$ "	1/4"	
S10	1	A D C	1%" × 9%" × 3%" × 911/16"	1/4"	
S11	1	C A	8½" × 8¾" × 1⅓6 "	1/4"	

D

Ö

 $\boldsymbol{\varpi}$ 

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

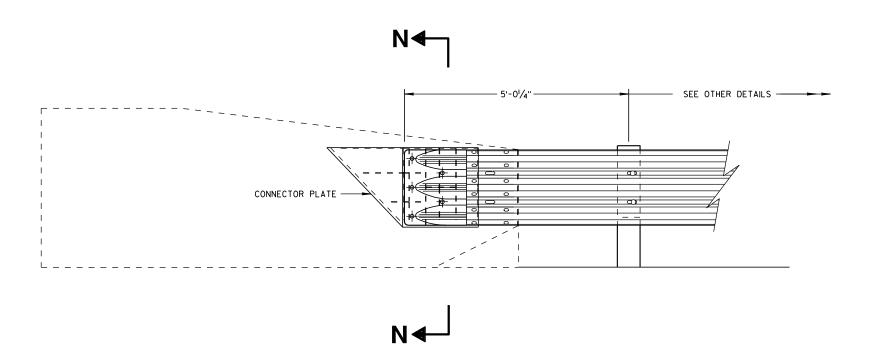
APPROVED

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

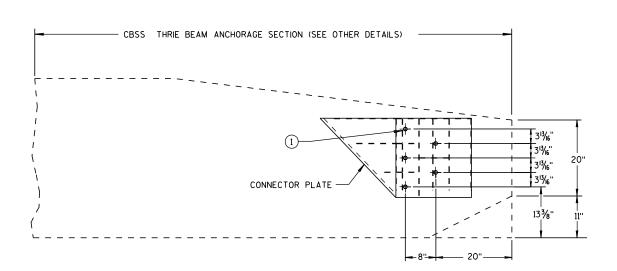
DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

S.D.D. 1

 $\mathbf{\omega}$ 



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER

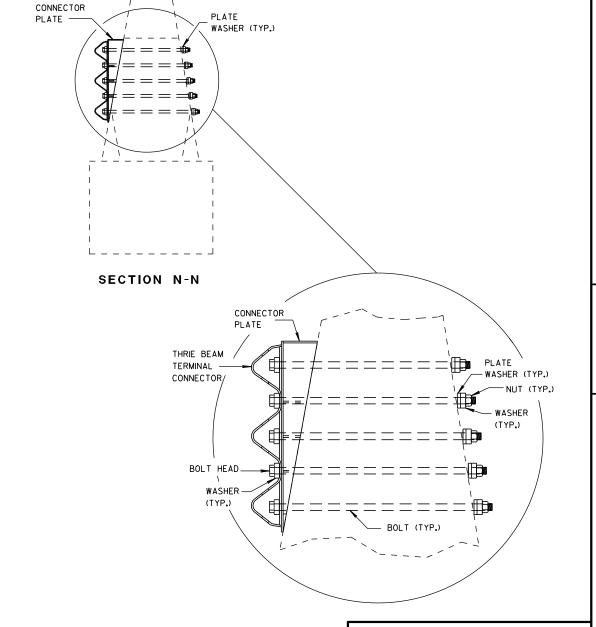


#### SINGLE SLOPE CONNECTION PLATE PLACEMENT

#### **GENERAL NOTES**

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

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



#### MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

45

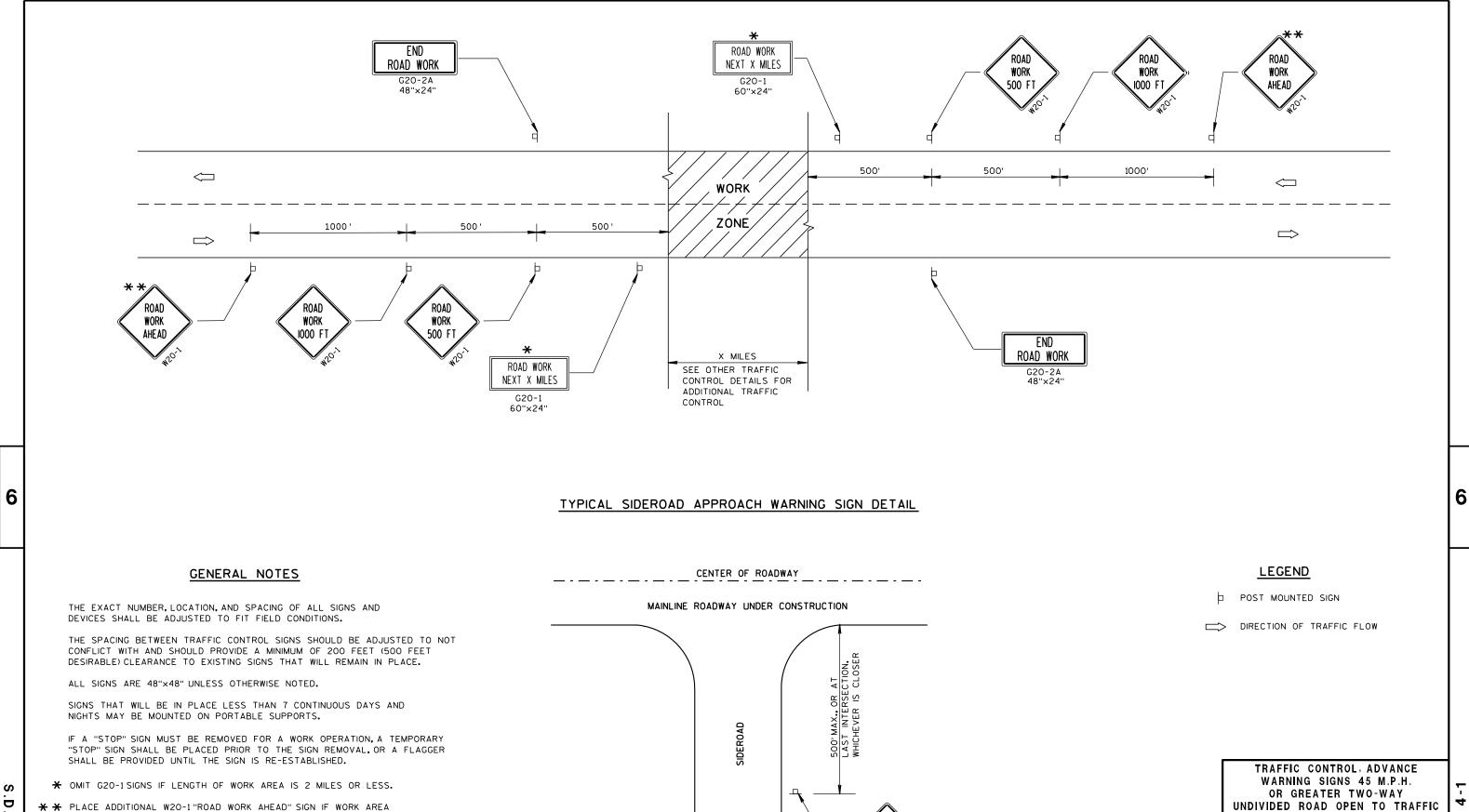
 $\mathbf{\omega}$ 

Ω

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 8/31/2012

/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER



STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

/S/ Chester J. Spang
CHIEF SIGNS AND MARKING ENGINEER

Ω

Ω

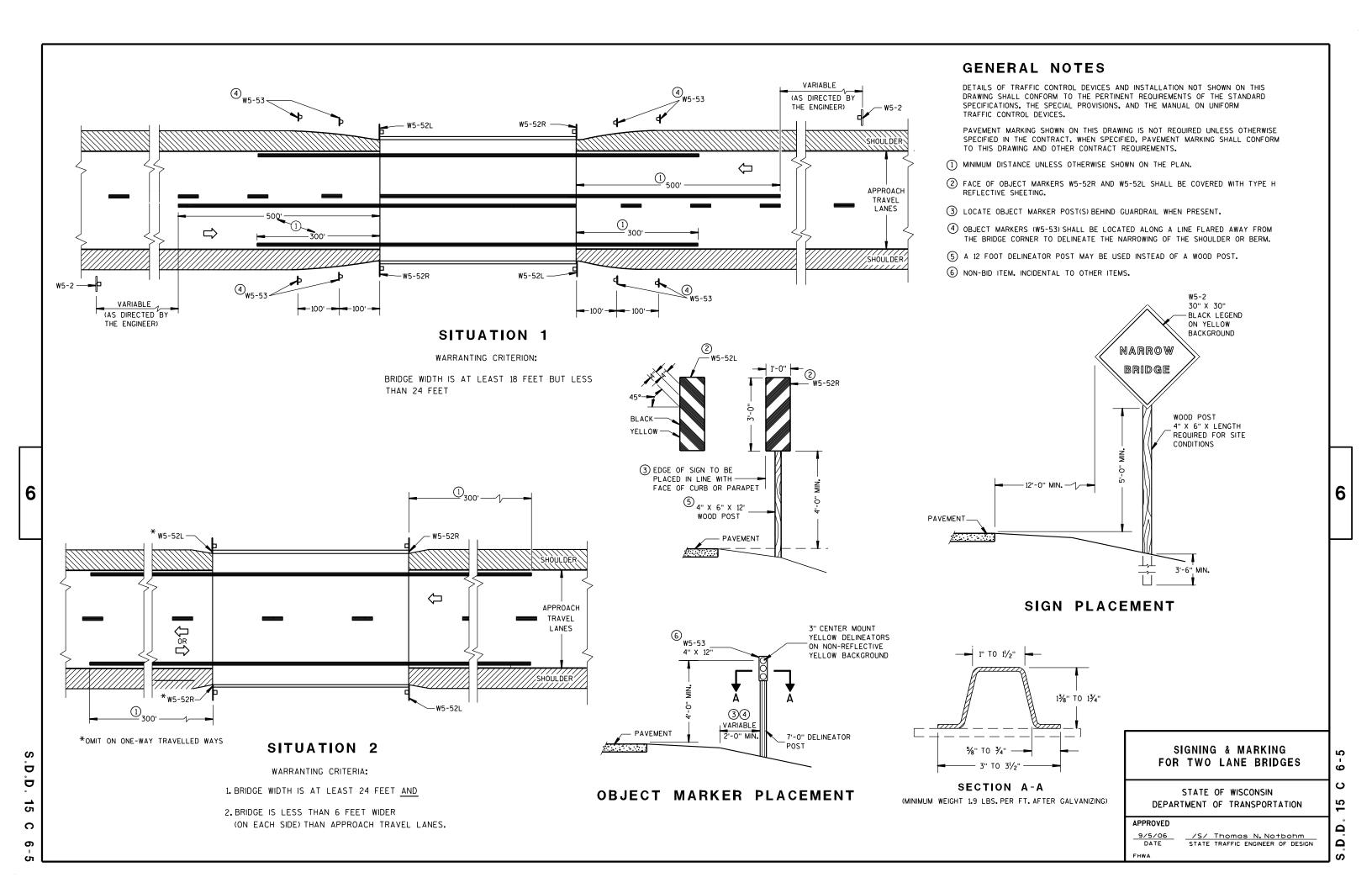
APPROVED

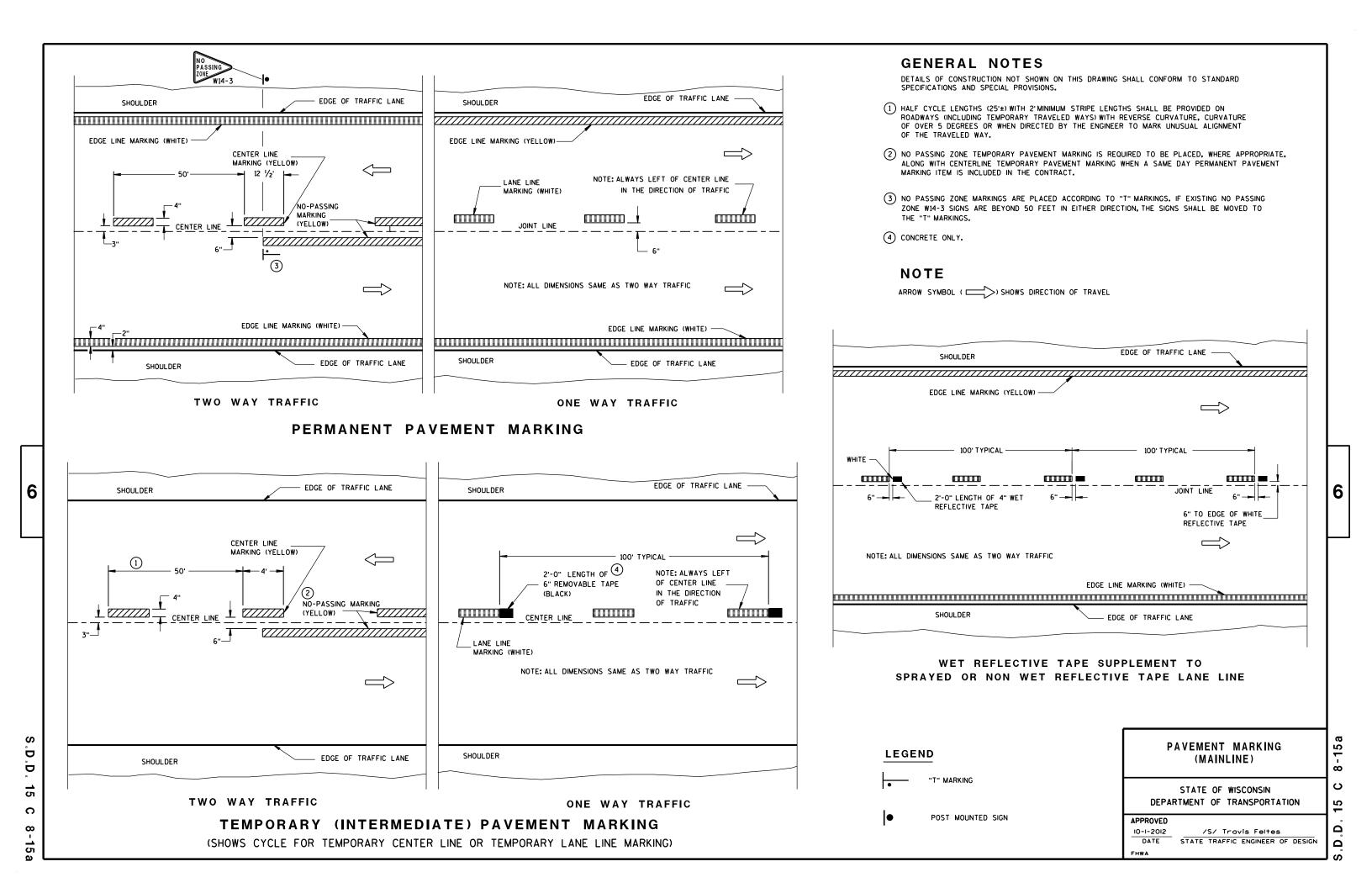
5/23/00

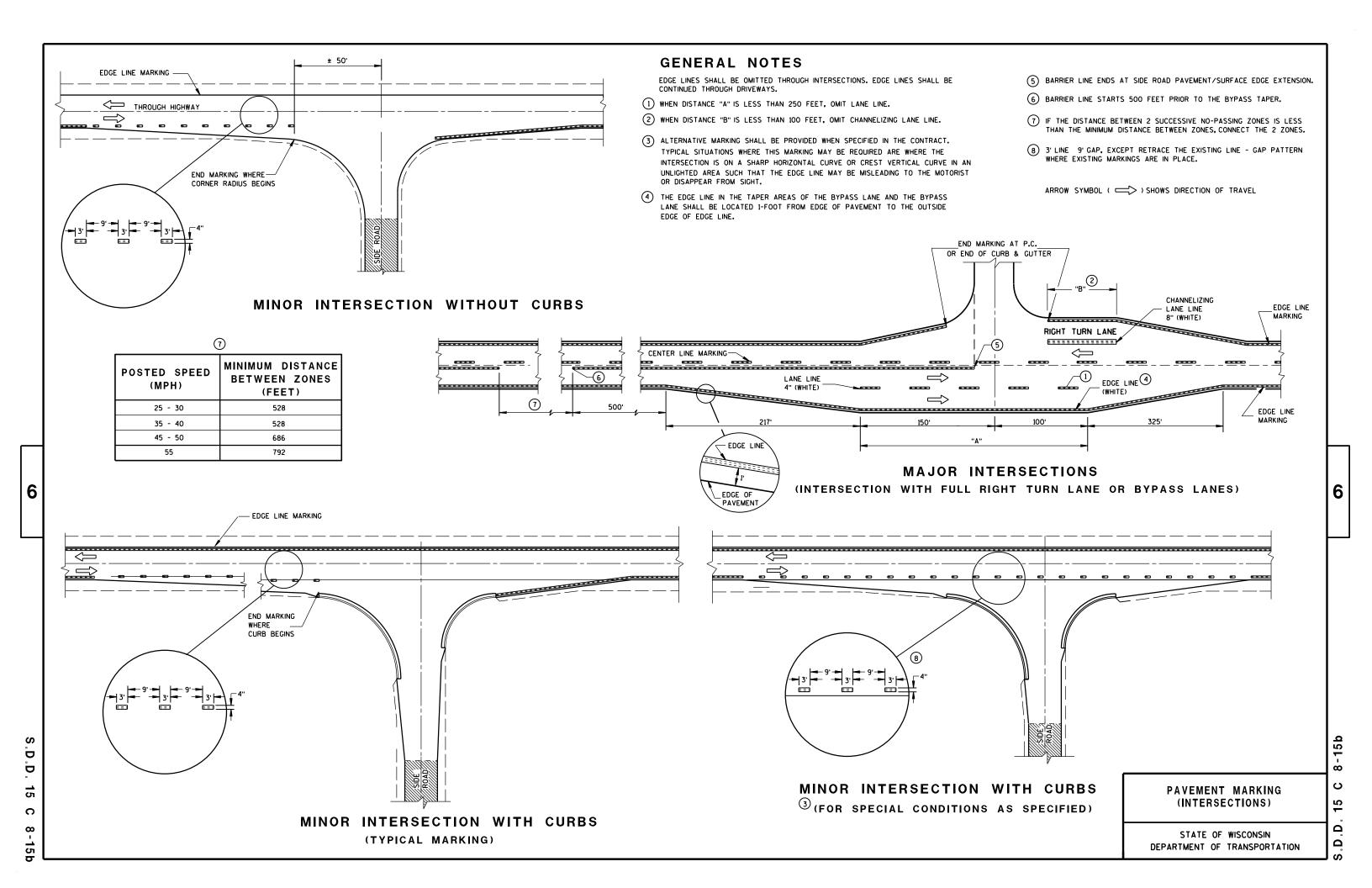
S.D.D. 15 C 4-1

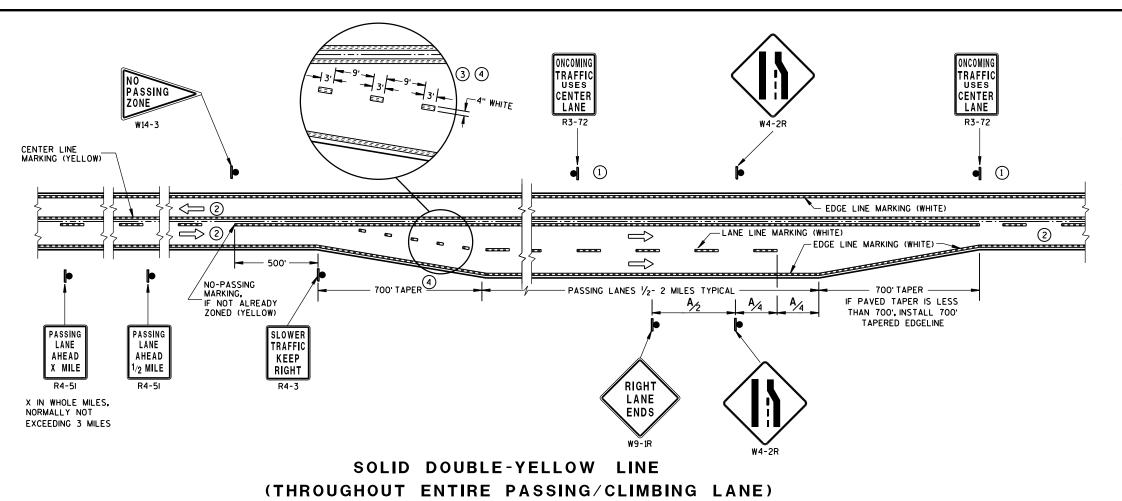
WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM

PREVIOUS WORK AREA OR SIGNING.









D

Ö

15

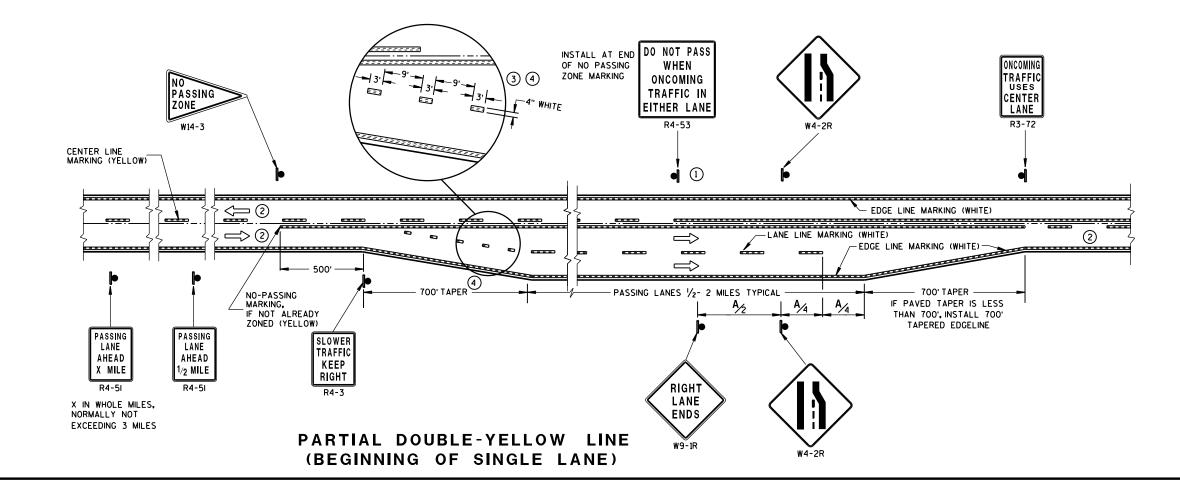
#### GENERAL NOTES

- ① SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- (2) THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- 3 THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3'LINE 9'GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING/CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.

ARROW SYMBOL ( >> ) SHOWS DIRECTION OF TRAVEL

#### DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950

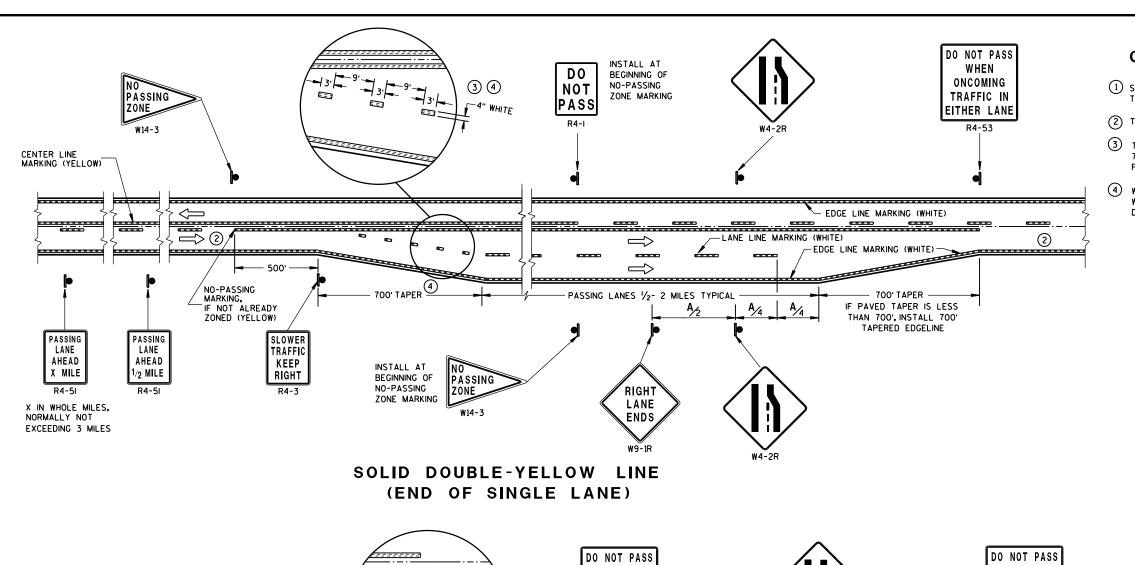


PAVEMENT MARKING & SIGNING
(CLIMBING LANE &
PASSING LANE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

, 15 C 8-15c

.D.D. 15



Ö

 $^{\circ}$ 

C

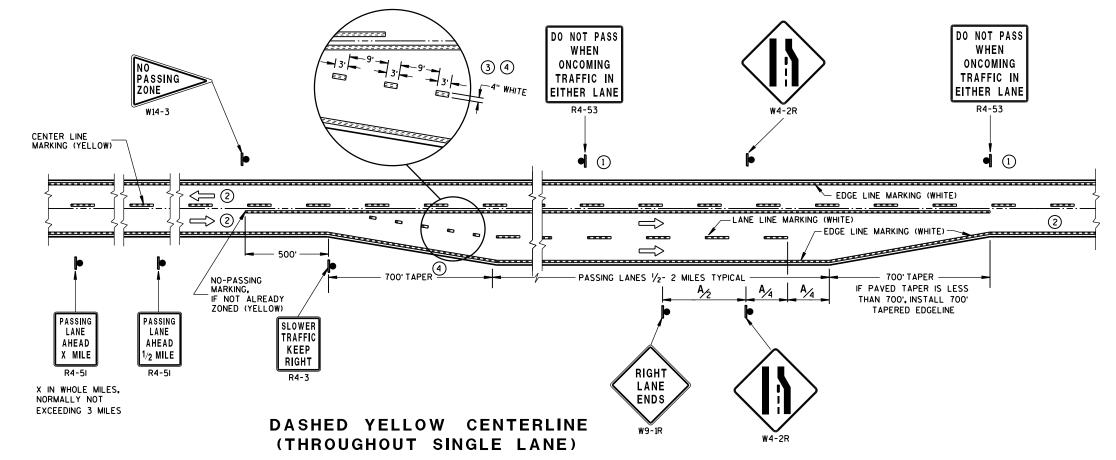
#### **GENERAL NOTES**

- $\bigodot$  Sign shall be repeated at  $\ensuremath{\mathcal{V}}_2$  mile increments or at the discretion of the regional traffic engineer.
- (2) THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3'LINE 9'GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING/CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.

ARROW SYMBOL ( ) SHOWS DIRECTION OF TRAVEL

#### DISTANCE TABLE

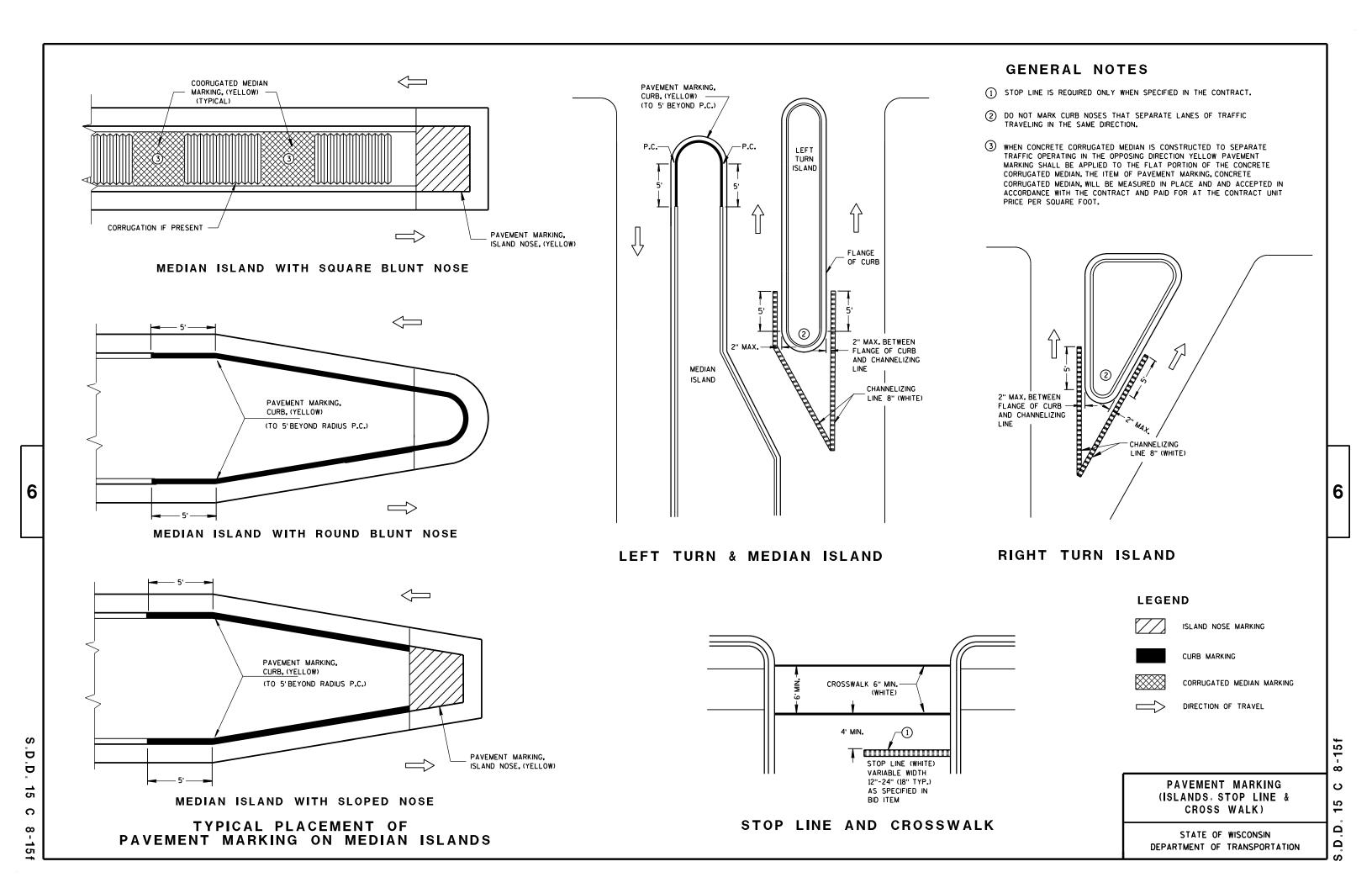
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950

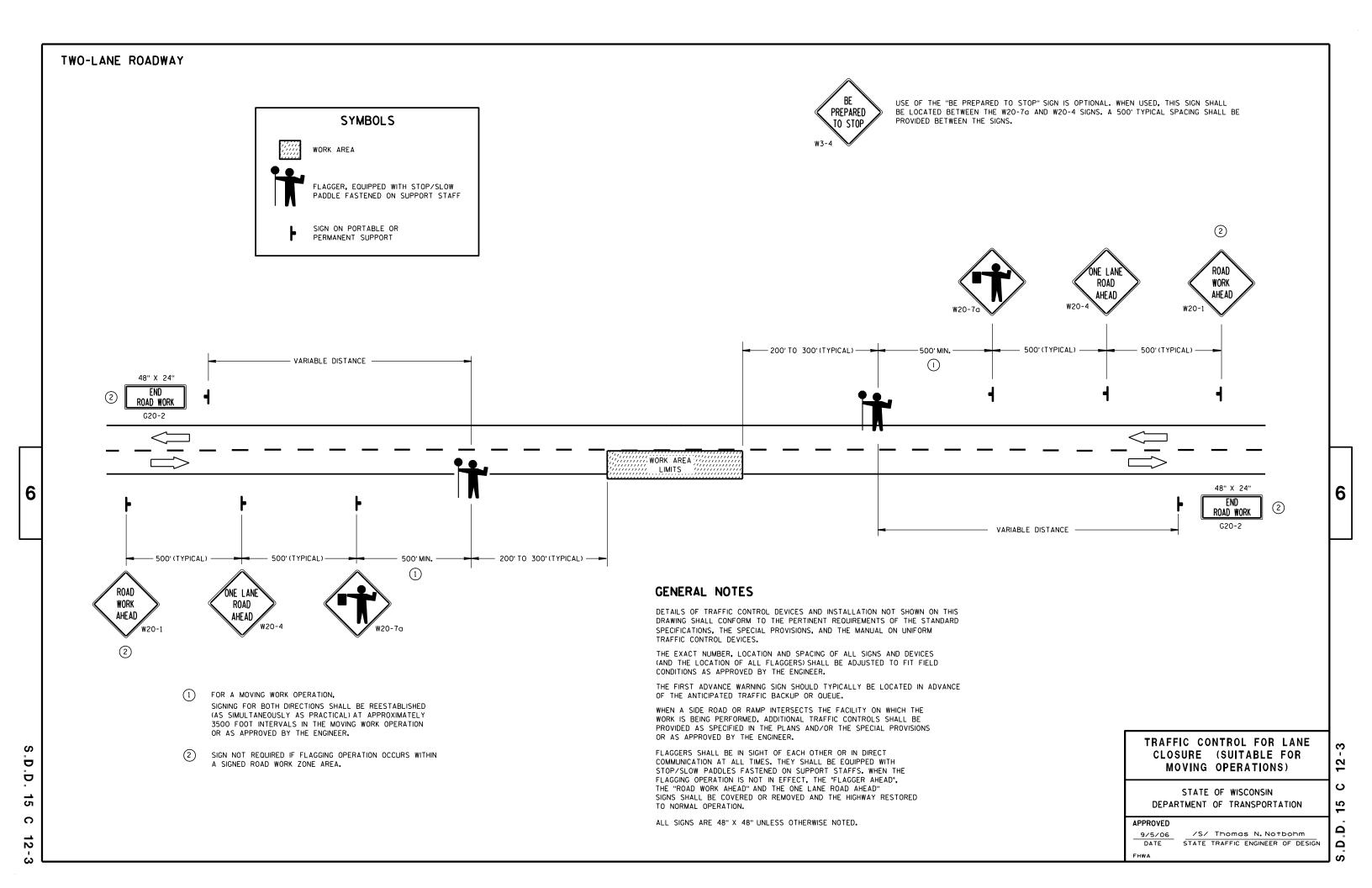


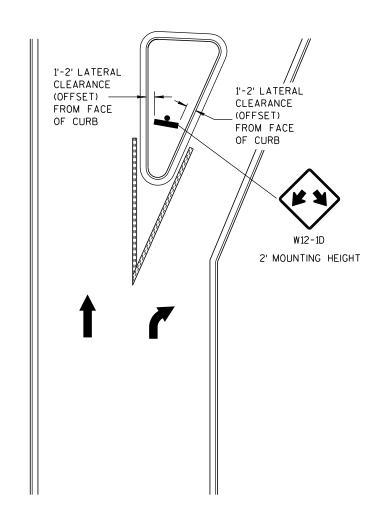
PAVEMENT MARKING & SIGNING (CLIMBING LANE & PASSING LANE)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

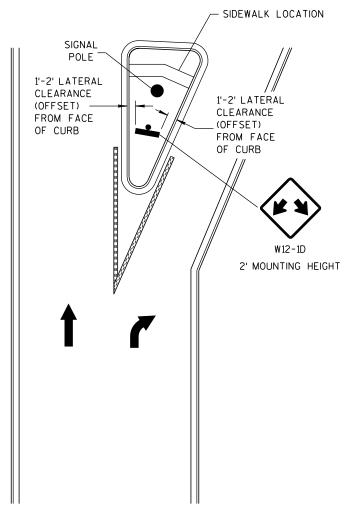
-15d Ω Ω



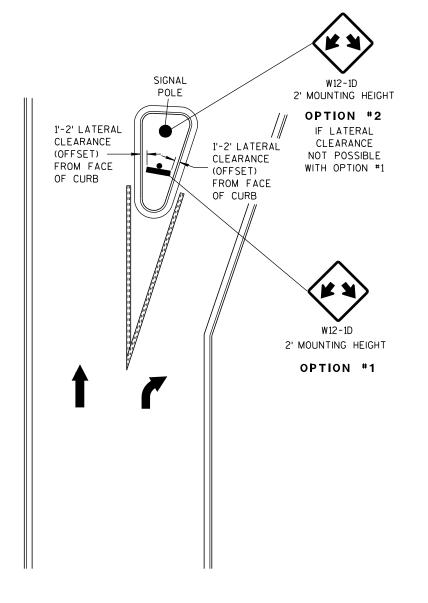




LARGE RIGHT TURN ISLAND



LARGE RIGHT TURN ISLAND WITH SIGNAL POLE



SMALL RIGHT TURN ISLAND

DOUBLE ARROW WARNING SIGN PLACEMENT

DOUBLE ARROW WARNING SIGN PLACEMENT

27

ပ

Ω

Ω

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

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

Ū b C

ဖ

Ω

THE WO6-3 WITH THE WO57-51 SHALL BE LOCATED 200' BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND/OR 500'BEYOND ANY SIDEROAD. THE WO6-3 WITH THE R4-1 SHALL BE LOCATED 1000' BEYOND THE WO6-3 AND THE W057-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN WO6-3 SIGNS.

#### **GENERAL NOTES:**

ALL SIGNS ARE 48"x48" UNLESS OTHERS NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC @ 50'SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4-INCH DOUBLE YELLOW.

> SPEEL LIMIT R2-1

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES.

48"×60" (BLACK AND WHITE)





#### LEGEND

- POST WITH ATTACHED SIGN
- O FLEXIBLE TUBULAR MARKER AND BASE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

12-4-95 DATE

/S/ Chester J. Spang DIRECTOR, OFFICE OF TRAFFIC

 $\Box$ 

Ö D

6

3' MINIMUM PAVED SHOULDER

50' TYP.

 $\Longrightarrow$ 

1000'

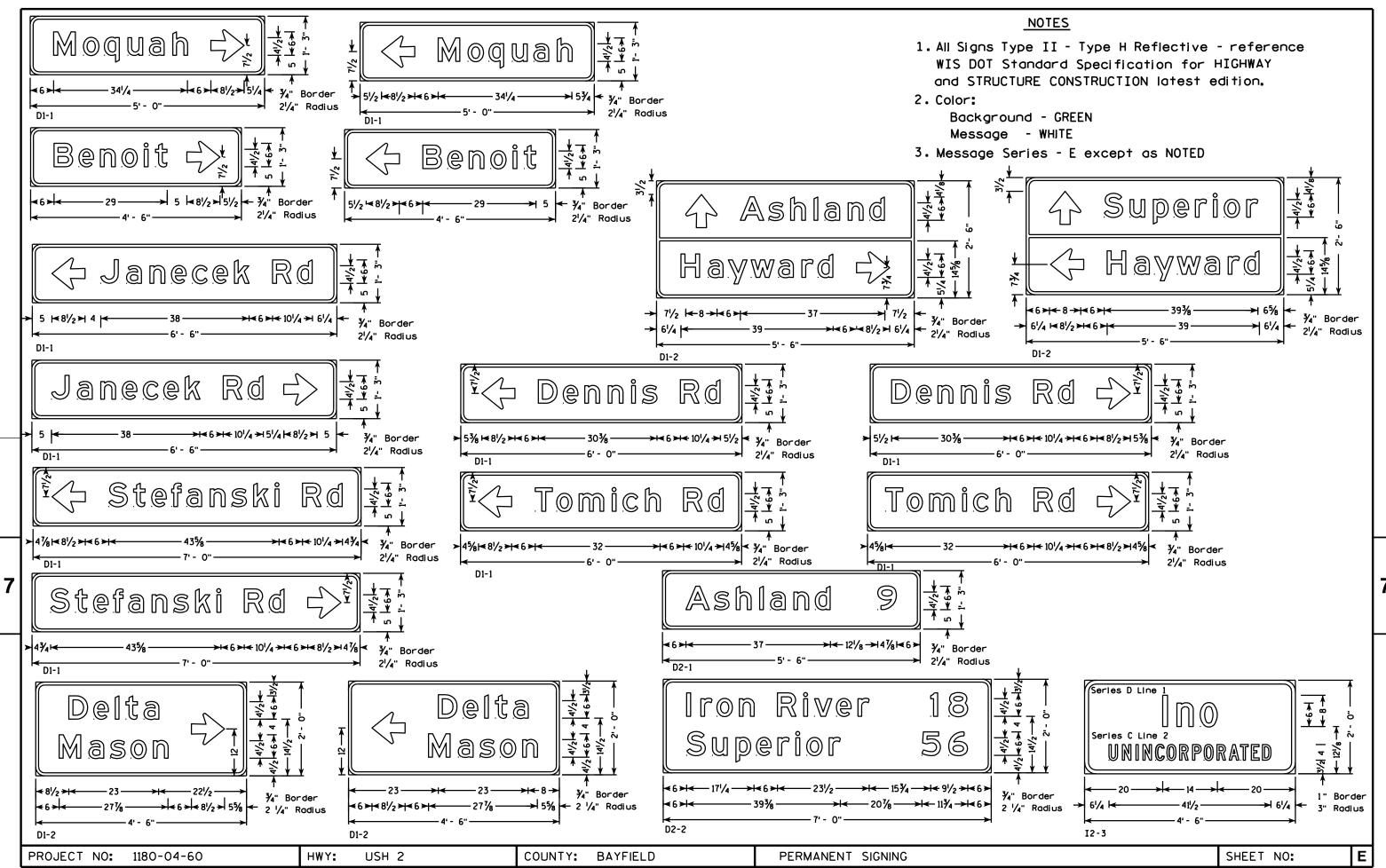
TWO LANE, TWO WAY OPERATION

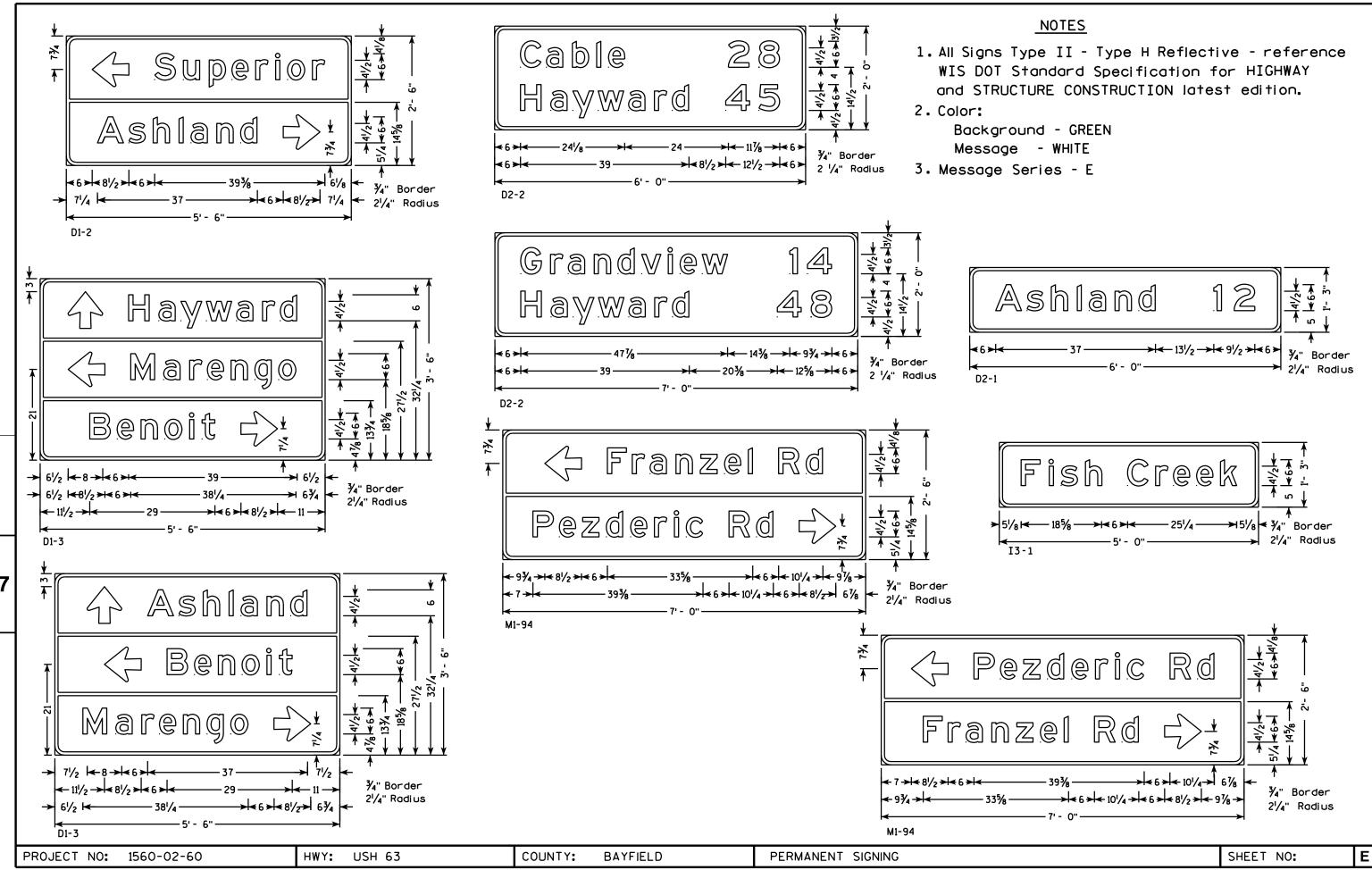
FLEXIBLE TUBULAR MARKER POSTS

50' TYP.

SOLID YELLOW NO-PASSING LINES

 $\bigcirc$ 



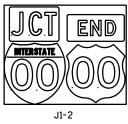


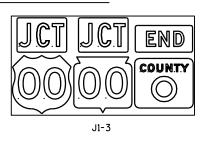
#### TYPICAL ASSEMBLIES



North

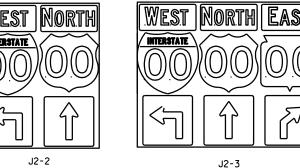
INTERSTATE

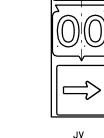




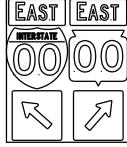


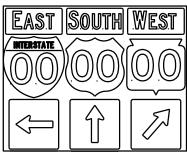






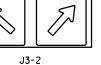
J2-1

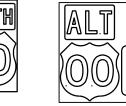


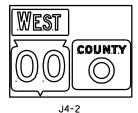


J3-3













EAST

J32-1

IMTERSTATE





J33-1





J23-1

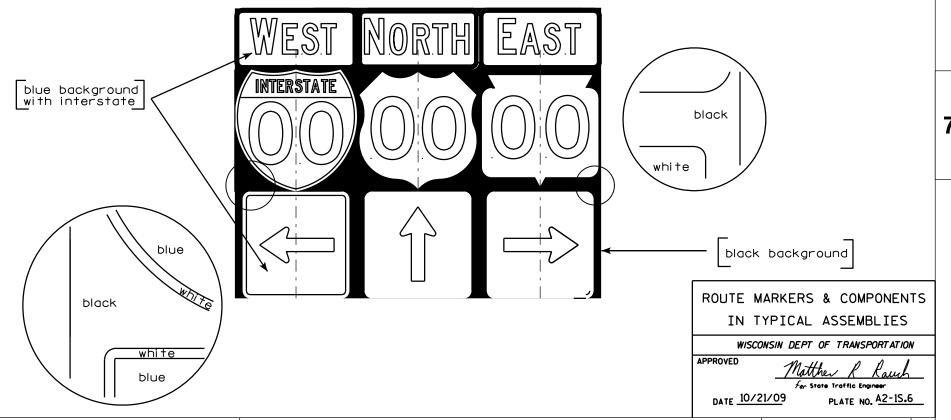


NOTES

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

Background - Black Non-reflective Message - see Note 5

- 3. Message Series See Note 5
- 4. Corners shall be square since base material is plywood.
- 5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
- 6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
- 7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
- 8. Route assemblies that have 24 inch route shields and have dimensions greater 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.
- 9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.



PROJECT NO:

J13-1

COUNTY

FRONTAGE

ROAD

SHEET NO:

Ε



#### urban area

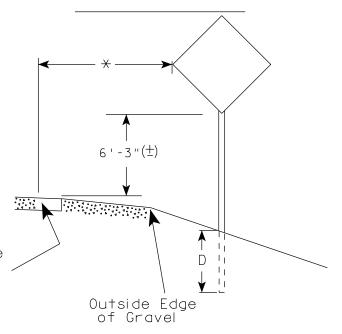
2' Min - 4' Max (See Note 5)

\*\* Curb Flowline

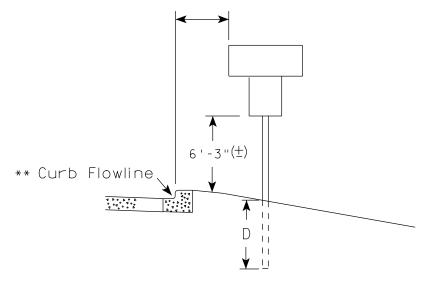
D

White Edgeline
Location

RURAL AREA (See Note 2)



2' Min - 4' Max (See Note 5)



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 larger than 20 sq. ft. 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" (±) or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A4-5) is 7'-3'' ( $\pm$ ) or 6'-3'' ( $\pm$ ) per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is 5' 3"  $(\pm)$ .
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (±) tolerance for mounting height is 3 inches.
- 8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3"  $(\pm)$  or as directed 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), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) 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

SHEET NO:

APPROVED

Matthew R Rawl For State Traffic Engineer

DATE <u>9/21/2011</u>

PLATE NO. <u>A4-3.16</u>

PROJECT NO:

HWY:

COUNTY:

PLOT DATE: 21-SEP-2011 13:33 PLOT BY: mscs id

PLOT NAME :

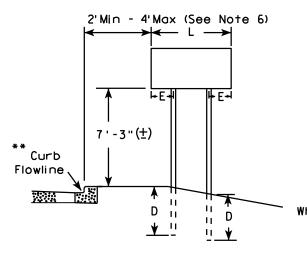
PLOT SCALE: 101.303739:1.000000

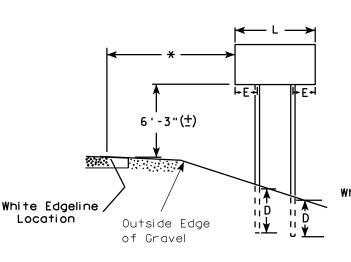
WISDOT/CADDS SHEET 42

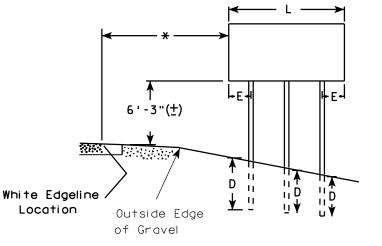
FILE NAME : C:\Users\PROJECTS\tr\_stdplate\A43.DGN

#### URBAN AREA

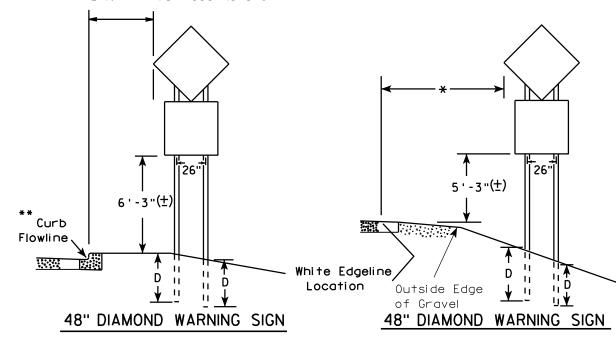
#### RURAL AREA (See Note 3)







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



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

COUNTY:

SIGN SHAPE OTHER THAN (FOUR POSTS REQUIRE	
L	E
168" and greater	12"

#### GENERAL NOTES

- 1. For multiple post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways. mounting height is 7'-3'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. Minimum mounting height for J assemblies (A4-5) is 7'-3'' (±) or 6'-3'' (±) per urban or rural detail respectively.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B). Clearance Markers (W5-52). Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4"-3" ( $\pm$ ).
- \* 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 or 20 S.F. or less in area.

#### POST EMBEDMENT DEPTH

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

PLOT NAME :

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

PLATE NO. 44-4.11 DATE 9/21/2011

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\A44.DGN

Greater than 48"

Less than 60"

60" to 120"

<del>\* \* \*</del>

PROJECT NO:

SIGN SHAPE OTHER THAN DIAMOND

Ε

12"

L/5

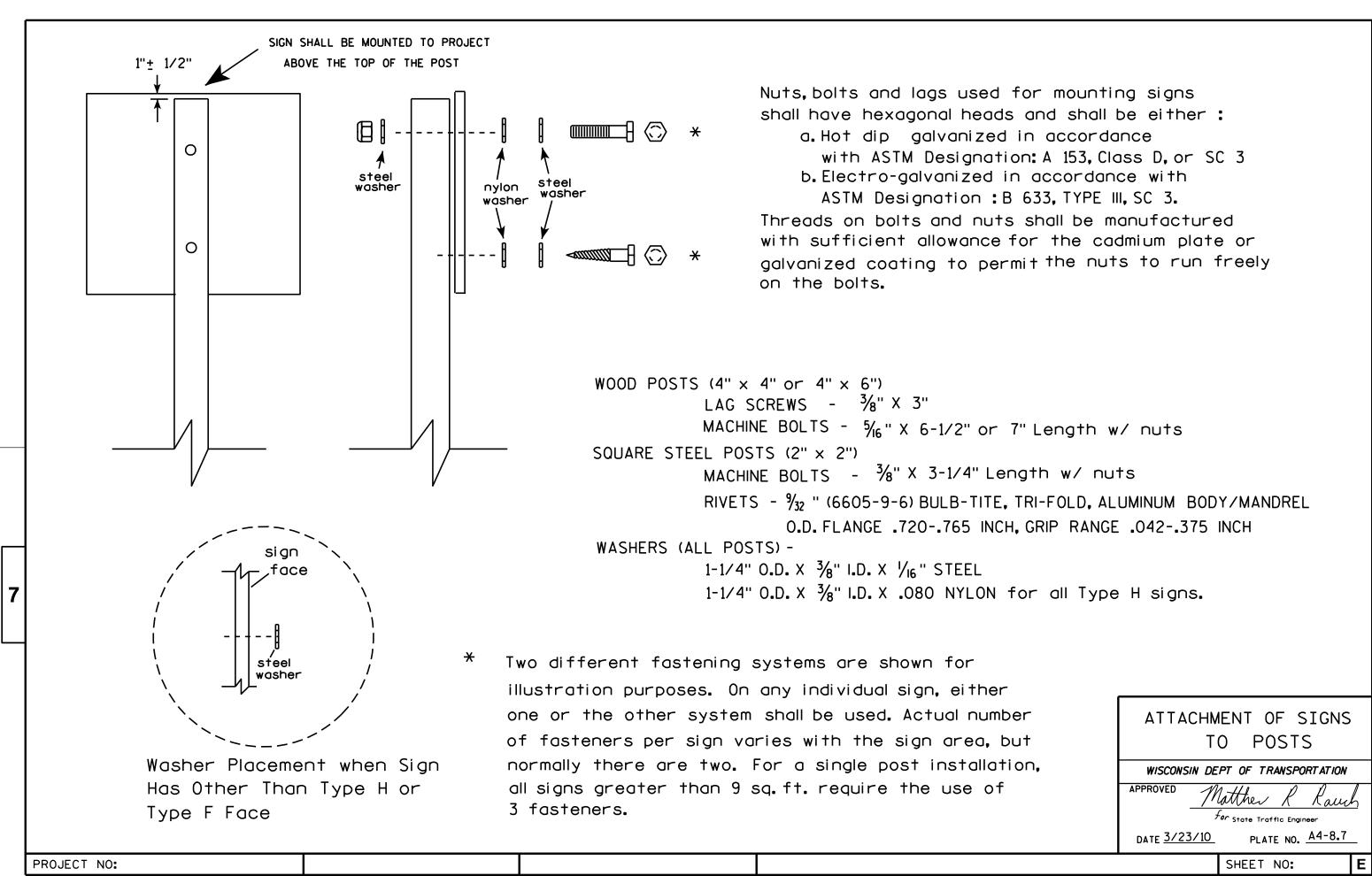
HWY:

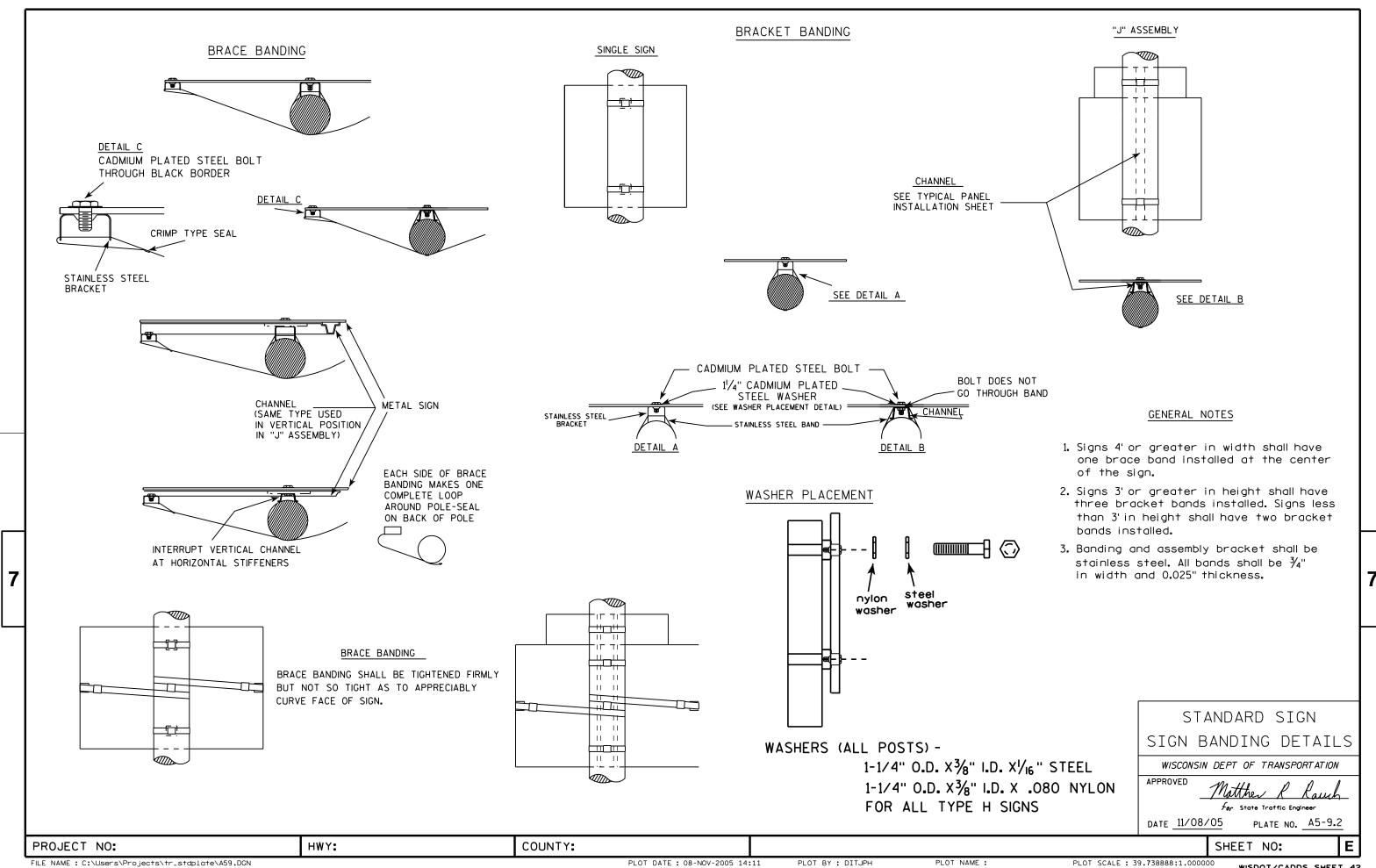
(TWO POSTS REQUIRED)

PLOT DATE: 21-SEP-2011 13:36

PLOT BY: mscsia

PLOT SCALE: 109.249131:1.000000





E → SPONSOR A F Y G Z F Z AF XA

HWY:

Background Colors of Symbol\*

**₽** 4

\* VARIES

White Black Green Orange

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

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

COUNTY:

NOTES

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

Background - White Message - (See Note 5)

- 3. Message Series (See Note 6)
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Border Blue

Line 1 - Red

Line 2 - Black

Line 3-5 - Blue

6. Line 1 - Dutch 8011L

Line 2 - Series E

Line 3-5 - Series C

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

> STANDARD SIGN I55-56

WISCONSIN DEPT OF TRANSPORTATION

APPROVED for State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\I5556.DGN

PROJECT NO:

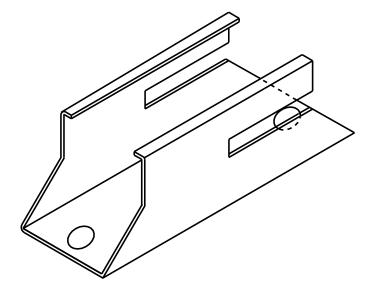
PLOT DATE: 27-APR-2011 10:05

PLOT BY: mscj9h

PLOT NAME :

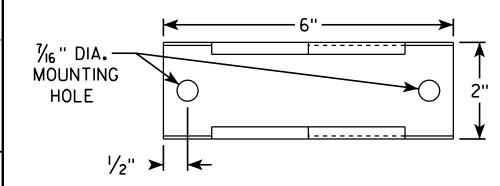
PLOT SCALE: 7.945391:1.000000

#### ISOMETRIC VIEW

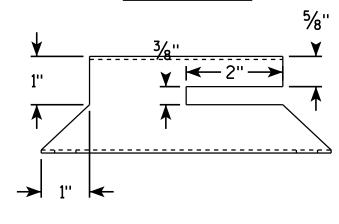


#### TOP VIEW

HWY:



#### SIDE VIEW

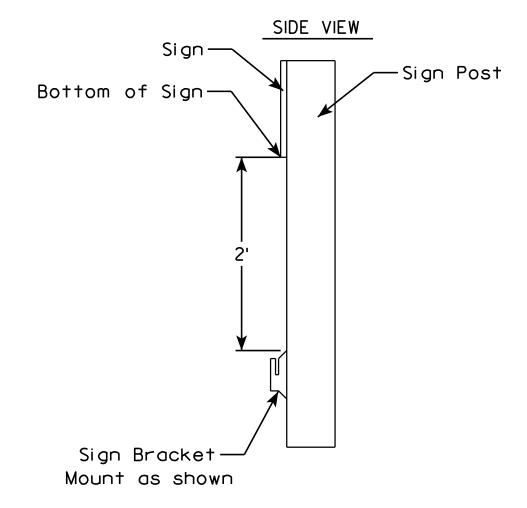


## END VIEW **←** 2" →

COUNTY:

#### NOTES

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



ROLLUP SIGN BRACKET I55-56B

WISCONSIN DEPT OF TRANSPORTATION APPROVED

SHEET NO:

for State Traffic Engineer DATE 2/5/10 PLATE NO. 155-56B.1

PLOT NAME :

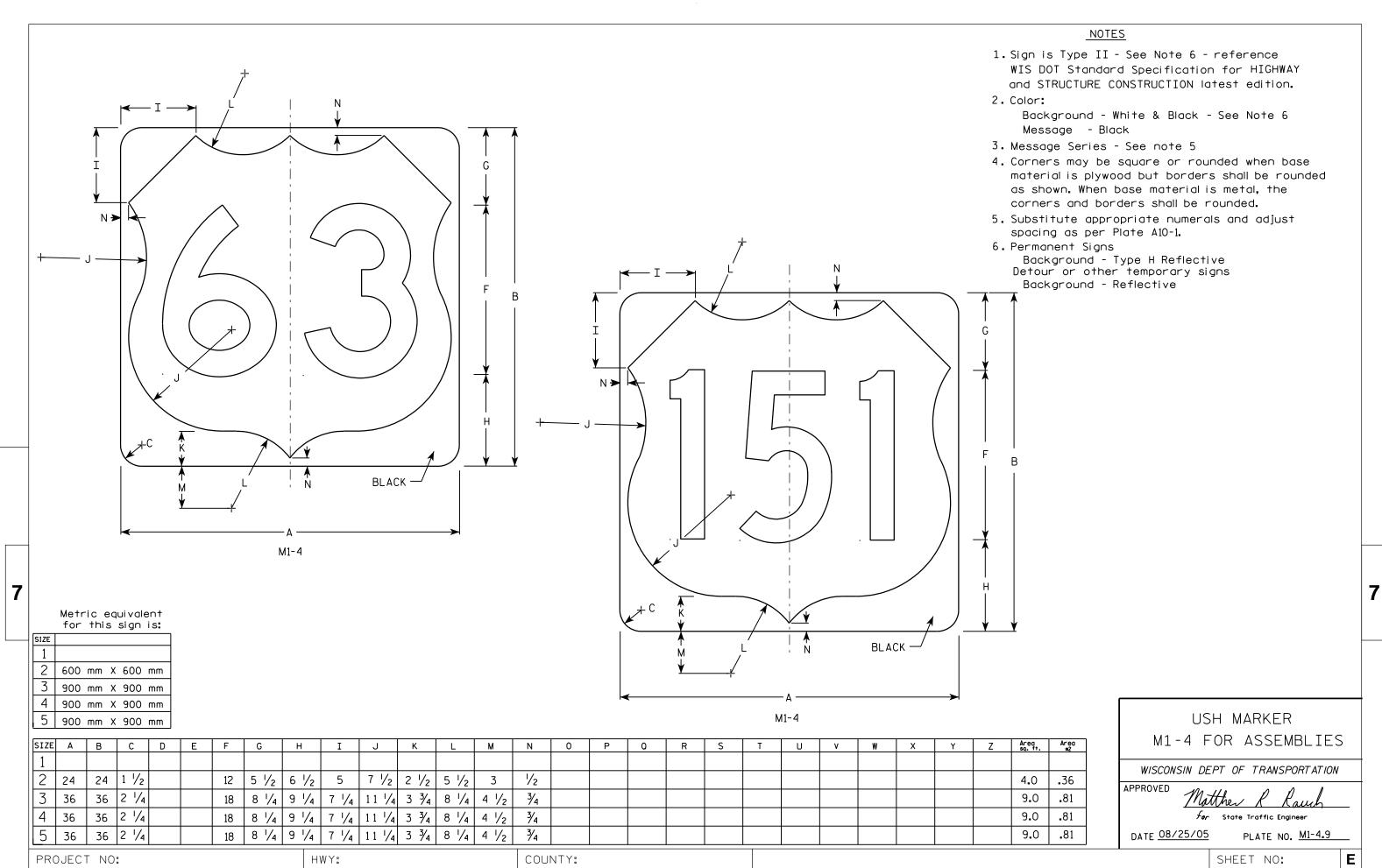
PLOT SCALE: 1.986348:1.000000

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\I5556B.DGN

PROJECT NO:

PLOT DATE: 01-MAR-2010 15:34

PLOT BY : ditjph



FILE NAME : C:\Users\Projects\tr\_stdplate\M14.DGN

PLOT DATE: 13-OCT-2005 14:52

PLOT NAME :

PLOT BY : DITJPH

PLOT SCALE: 5.960833:1.000000

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

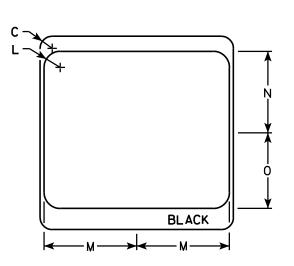
Background - White & Black - See Note 7 Message - Black

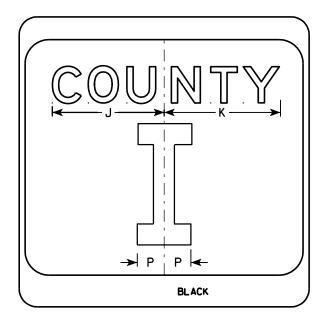
- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter.

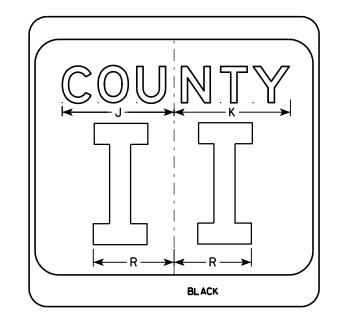
  Message Series D for 2 letters unless
  message is too big then Series C.

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

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







PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 %									4.0
3	36		2 1/4			16	4	7 %	5 %	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 5/8	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
DDO	IECT	NO.					111	/V.					COUN	TV.													
FRU	JECT	NO.					HV	V I .						1 1 .					I								

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PROVED

Matthew Rauch

Forstate Traffic Engineer

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

DATE 9/27/11

SHEET NO:

**BLACK** 

M1-5A

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

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

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

BLACK	<b>↑</b> G <b>→ ↑</b> F <b>→ → ↑ → → → → → → → → → →</b>
Metric equivalent for this sign is:	

HWY:

900 mm X 900 mm

5 900 mm X 900 mm

PROJECT NO:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 %	11 1/2	1	1 1/8	11 1/4	21 1/8											4.0	<b>.</b> 36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	<b>.</b> 81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	.81
ט ן	26		2 /4			10	0 74	J /4	12 78	3 78	12 78	11 /8	1 /2	<sup>2</sup> /8	10 /8	33		<u> </u>										9.0

COUNTY:

STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

The state Traffic Engineer

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

SHEET NO:

\_\_\_\_

PLOT NAME :

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

2. Color:

Background - Brown Message - White - Type H Reflective

- 3. Message Series B
- 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.

G → N ←0→P||P|←0→ N ← Ι  $\overline{\uparrow}$ J J M1 - 86

Metric equivalent for this sign is:

SIZE					
1					
2	450	mm	Х	900	mm
3					
4					
5					

PROJECT NO:

SIZE С Area sq. ft. Α В D Ε G 2 1 1/8 3/8 13 3/4 2 1/2 1 5/8 7 1/4 4 3/8 | 1 3/4 | 2 5/8 1/4 3/4 5 1/8 2 1/8 4.5 18 36 4 2 .41 3 4

STANDARD SIGN M1-86

WISCONSIN DEPT OF TRANSPORTATION

APPROVED DATE 1/30/02

PLATE NO. M1-86.3

HWY:

COUNTY:

PLOT DATE: 13-OCT-2005 15:31

PLOT NAME :

PLOT SCALE : 5.960833:1.000000

SHEET NO:

# $D \rightarrow \longleftarrow$

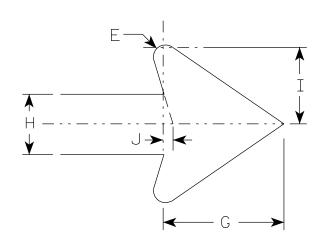
M1-88A

#### NOTES

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

Background - Brown Message - White - Type H Reflective

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.



Metric equivalent for this sign is:

SIZE					
1					
2	300	mm	X	300	mm
3					
4					
5					

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	rea . ft.	Area m2
1																												
2	12		1 1/8				3 3/4	1 %	2 3/8	5/16																	.0	.09
3																												
4																												
5																												

STANDARD SIGN M1-88A

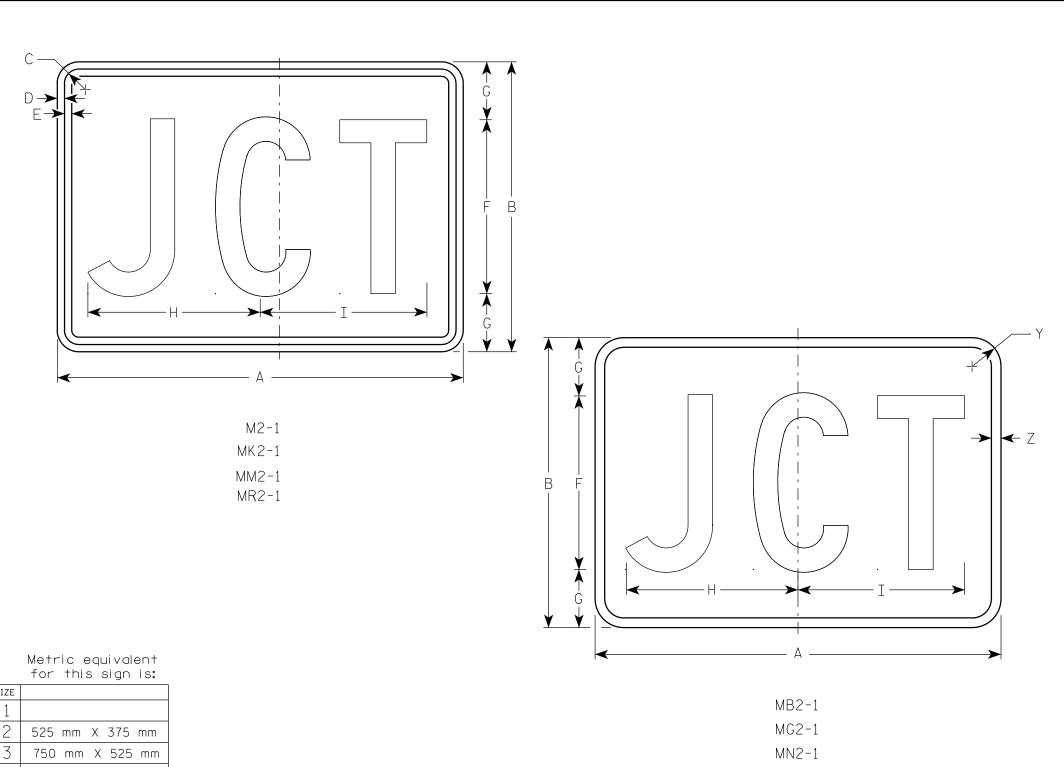
WISCONSIN DEPT OF TRANSPORTATION

DATE 1/30/02

PLATE NO. M1-88A.2

SHEET NO:

PLOT NAME :



- 1. Sign is Type II See Note 5 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 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 Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
  - MB2-1 Background Blue Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
  - MG2-1 Background Green Message - White - Type H Reflective
  - MK2-1 Background Green Message - White - Type H Reflective
  - MM2-1 Background White Type H Reflective Message - Green
  - MN2-1 Background Brown Message - White - Type H Reflective
  - MR2-1 Background Brown Message - Yellow - Type H Reflective

750 mm X 525 mm 750 mm X 525 mm

PROJECT NO:

SIZE	Ξ.	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.	Area m2
1																													
2	2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 %																1 1/2	1/2	2.20	0.20
3	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	0.20
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	0.20
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	0.20

COUNTY:

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 $f_{or}$  State Traffic Engineer

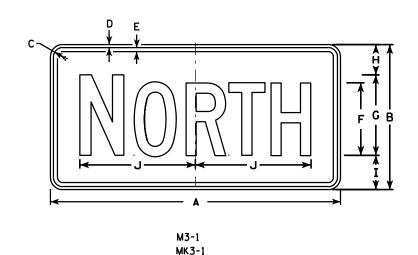
DATE 3/16/10

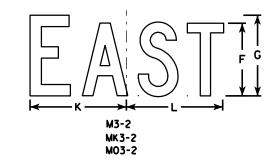
PLATE NO. M2-1.10 SHEET NO:

WISDOT/CADDS SHEET 42

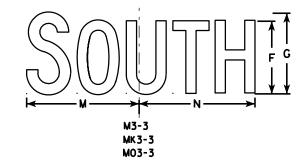
PLOT NAME : PLOT DATE: 16-MAR-2010 09:49 PLOT SCALE: 4.965868:1.000000 PLOT BY: dotsja

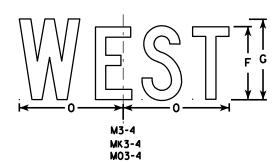
HWY:



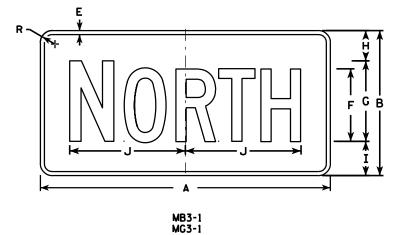


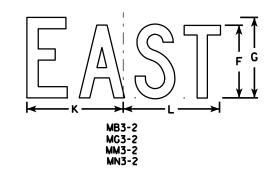
MO3-1





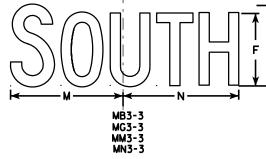
HWY:

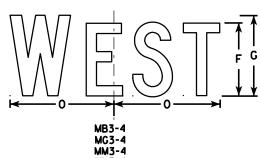




MM3-1

MN3-1





#### <u>NOTES</u>

- 1. All Signs Type II See Note 5 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 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 Type H Reflective (Detour or temporary signs Reflective) Message Black
  - MB3-1 thru MB3-4 Background Blue Message - White - Type H Reflective (Detour or temporary signs - Reflective)
  - MG3-1 thru MG3-4 Background Green

    Message White Type H Reflective
  - MK3-1 thru MK3-4 Background Green

    Message White Type H Reflective
  - MM3-1 thru MM3-4 Background White Type H Reflective Message Green
  - MN3-1 thru MN3-4 Background Brown

    Message White Type H Reflective
  - M03-1 thru M03-4 Background Orange Reflective Message Black
- 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	K	L	М	N	0	Р	0	R	S	Т	כ	٧	W	X	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 ¾			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

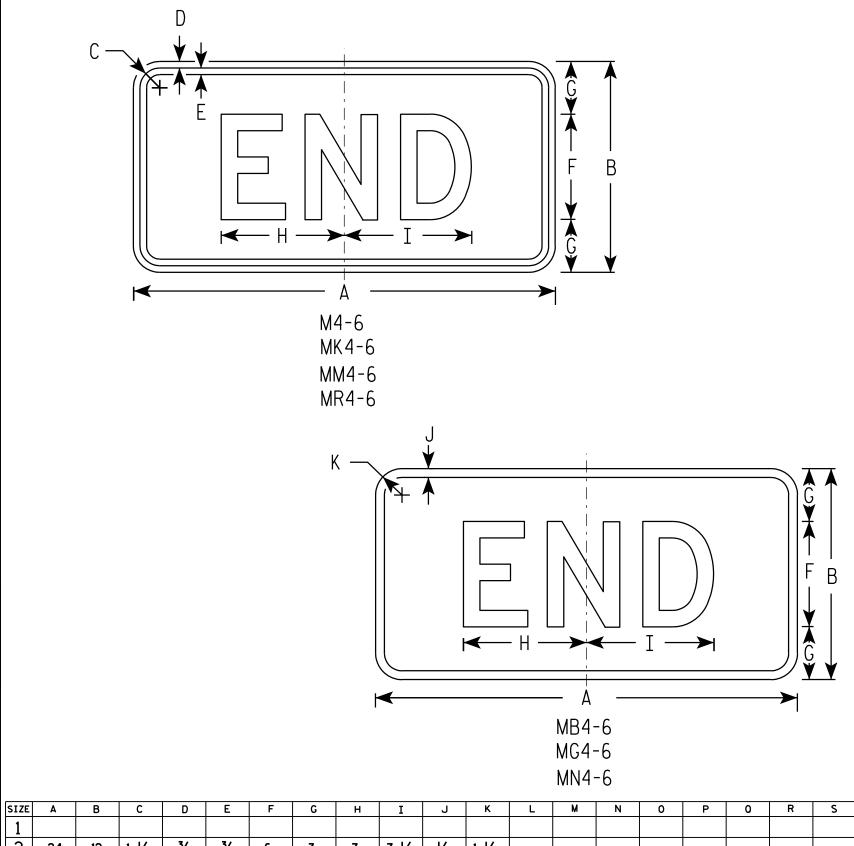
For State Traffic Engineer

DATE 11/10/10 PLATE NO. M3-1.12

SHEET NO: E

PROJECT NO:

PLOT NAME :



HWY:

#### <u>NOTES</u>

- 1. Sign is Type II See Note 5 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - See note 5 Message - See note 5

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M4-6 Background White Type H Reflective (Detour or temporary Signs Reflective)

Message - Black

- MB4-6 Background Blue
  Message White Type H Reflective
  (Detour or temporary Signs Reflective)
- MG4-6 Background Green
  Message White Type H Reflective
- MK4-6 Background Green

  Message White Type H Reflective
- MM4-6 Background White Type H Reflective Message Green
- MN4-6 Background Brown
  Message White Type H Reflective
- MR4-6 Background Brown
  Message Yellow Type H Reflective

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																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 1/8	1/2	1 1/2																4.5
		•			•			•	-				_	•				•					•			•	

COUNTY:

STANDARD SIGN M4-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE <u>11/10/10</u>

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\M46.DGN

PROJECT NO:

PLOT DATE: 10-NOV-2010 12:57

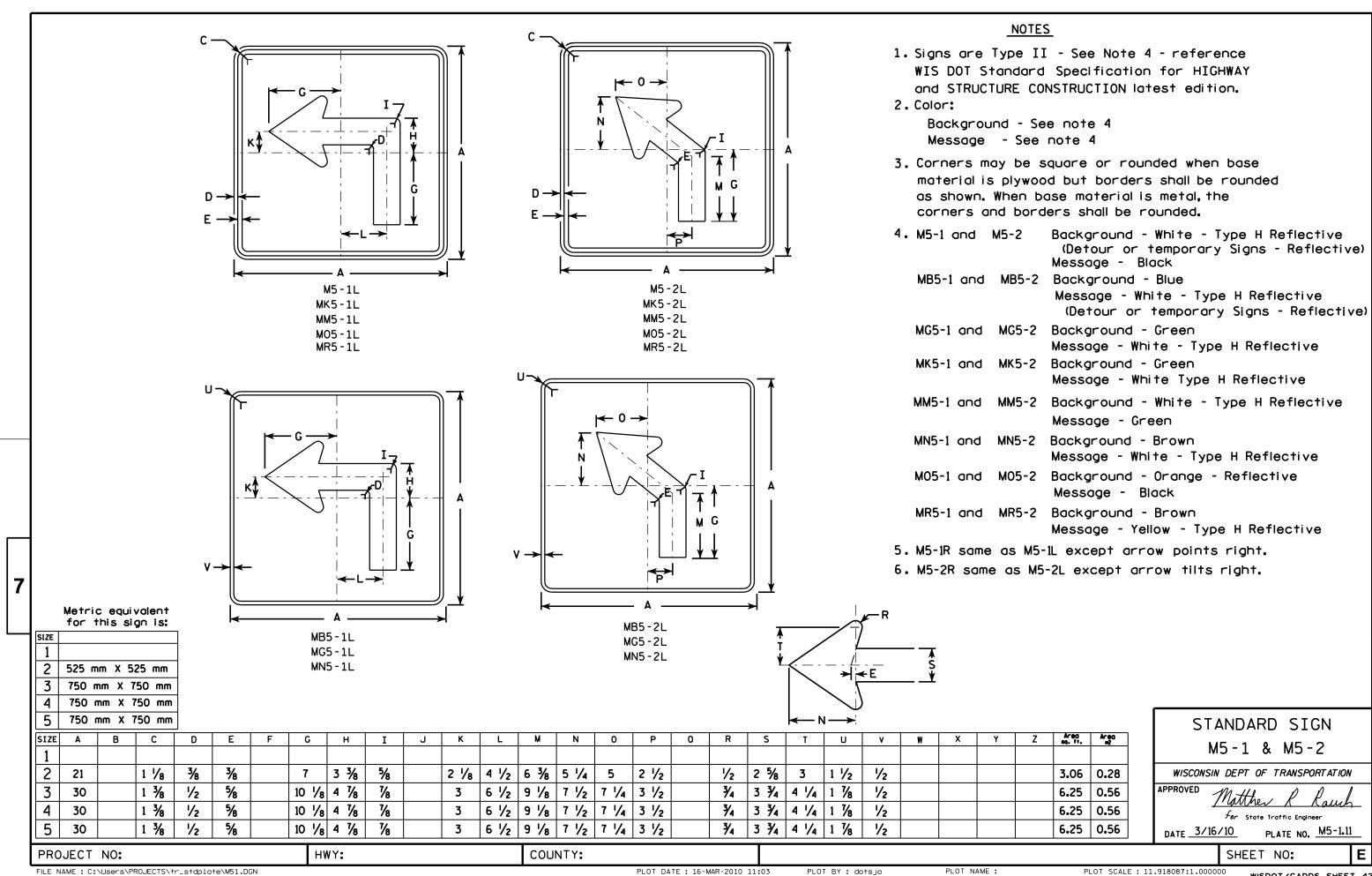
PLOT NAME :

PLOT BY: ditjph

PLOT SCALE: 5.462457:1.000000

WISDOT/CADDS SHEET 42

PLATE NO. M4-6.7

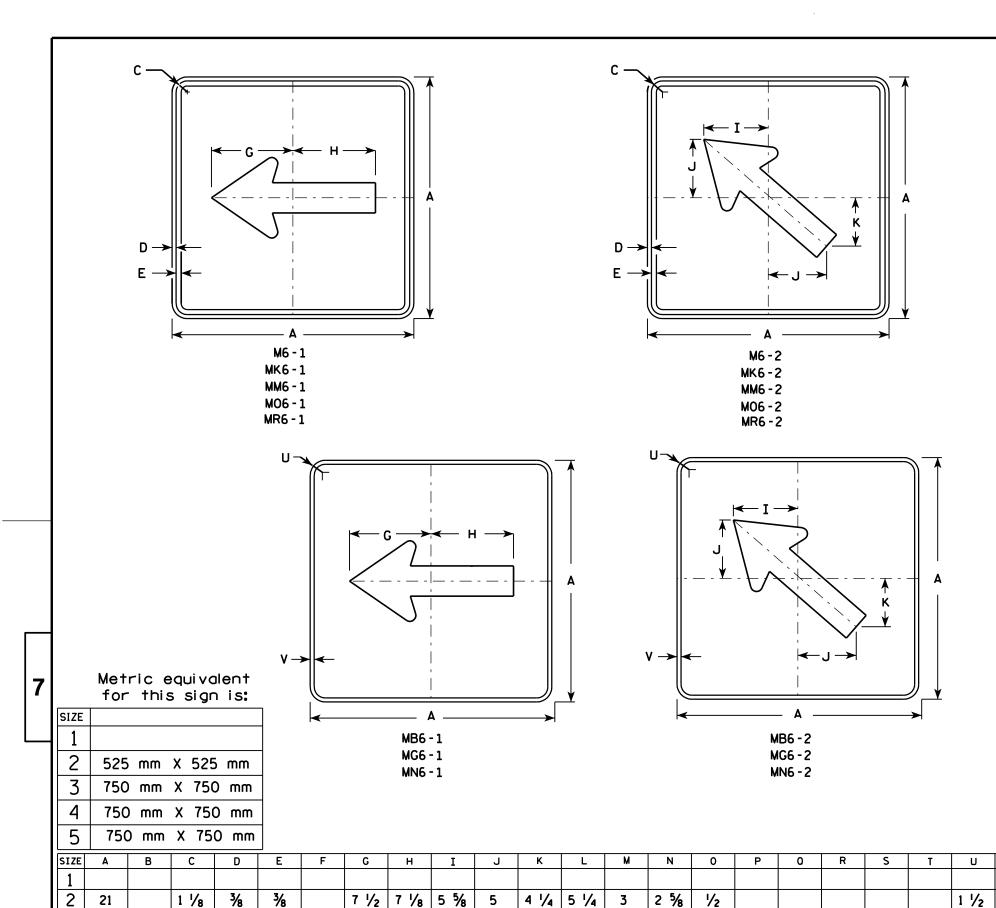


FILE NAME : C:\Users\PROJECTS\tr\_stdplate\M51.DGN

PLOT DATE: 16-MAR-2010 11:03

PLOT NAME :

PLOT SCALE: 11.918087:1.000000



- 1. Signs are Type II See Note 4 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 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 Type H Reflective
  (Detour or temporary Signs Reflective)
  Message Black
  - MB6-1 and MB6-2 Background Blue

    Message White Type H Reflective

    (Detour or temporary Signs Reflective)
  - MG6-1 and MG6-2 Background Green

    Message White Type H Reflective
  - MK6-1 and MK6-2 Background Green

    Message White Type H Reflective
  - MM6-1 and MM6-2 Background White Type H Reflective Message Green
  - MN6-1 and MN6-2 Background Brown

    Message White Type H Reflective
- M06-1 and M06-2 Background Orange Reflective Message - Black

Area Area sq. ft. m2

6.25 0.56

0.28

0.56

0.56

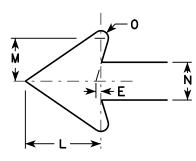
3.06

6.25

6.25

MR6-1 and MR6-2 Background - Brown

Message - Yellow - Type H Reflective



1/2

1/2

1/2

1 1/8

1 %

1 %

PLOT BY: dotsja

STANDARD	SIGN
M6-1 & N	<b>16 - 2</b>
SERIE	ES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer

DATE 3/16/10 PLATE NO. M6-1.12

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\M61.DGN

1 3/8

1 3/8

1 3/8

1/2

1/2

1/2

5/8

5/8

10 3/4 10 1/4 8

10 3/4 10 1/4 8

10 3/4 10 1/4 8

HWY:

7 1/4

7 1/4

7 1/4

6

6

7 1/2

7 1/2

4 1/4 3 3/4

4 1/4 3 3/4

COUNTY:

7 1/2 4 1/4 3 3/4

3

4

5

30

30

30

PROJECT NO:

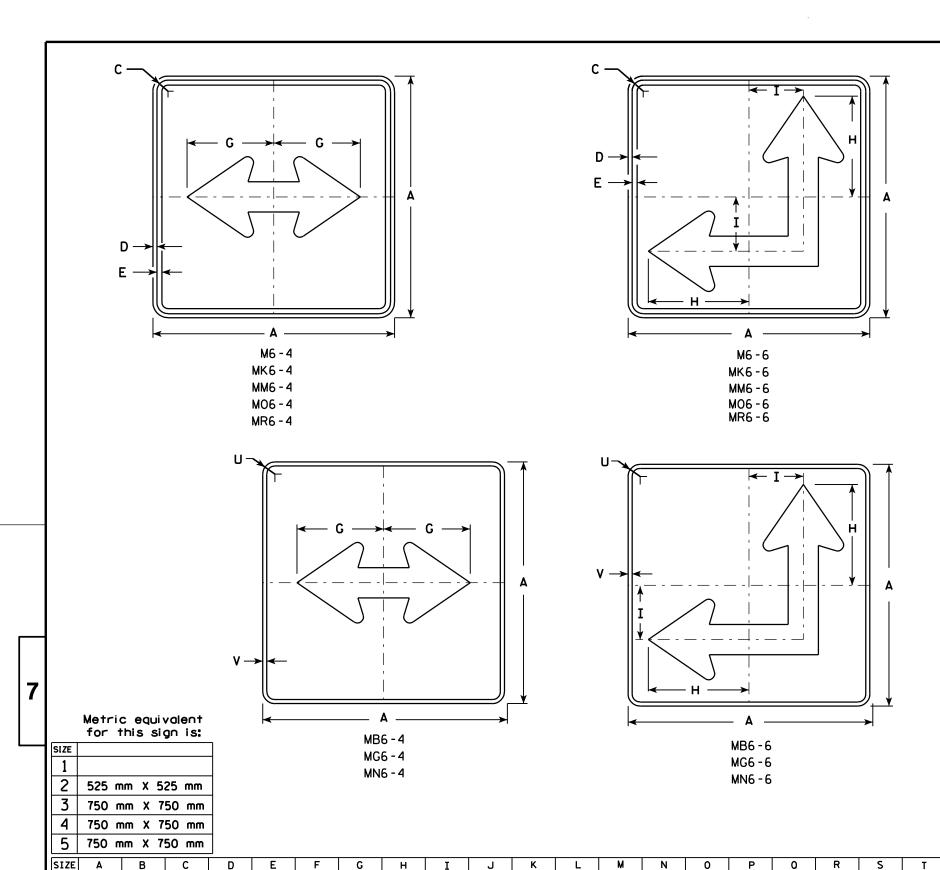
PLOT DATE: 16-MAR-2010 09:58

3/4

3/4

PLOT NAME :

PLOT SCALE: 11.918087:1.000000



- 1. Signs are Type II See Note 4 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 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 Type H Reflective (Detour or temporary Signs - Reflective) Message - Black
  - MB6-4 and MB6-6 Background Blue Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
  - MG6-4 and MG6-6 Background - Green Message - White - Type H Reflective
  - MK6-4 and MK6-6 Background Green
  - Message White Type H Reflective MM6-4 and MM6-6 Background - White - Type H Reflective Message - Green
  - MN6-4 and MN6-6 Background Brown
  - Message White Type H Reflective M06-4 and M06-6 Background - Orange - Reflective
    - Message Black
- MR6-4 and MR6-6 Background Brown
- Message Yellow Type H Reflective 5. M6-6R same as M6-6L except arrow points ahead and right.

Areo Areo

6.25 0.56

0.28

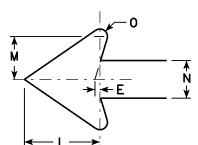
0.56

0.56

3.06

6.25

6.25



<del>*************************************</del>	-0	
M <del>V</del>	/ 	— <del>-</del>
<b>←</b>	_L_	

STANDARD SIGN M6-4 & M6-6**SERIES** 

WISCONSIN DEPT OF TRANSPORTATION

**APPROVED** 

DATE 3/16/10 PLATE NO. M6-4.7

SHEET NO:

Н

7 1/2 8 3/4 4 1/4

10 3/4 12 1/2 6 3/4

10 3/4 12 1/2 6 3/4

10 3/4 12 1/2 6 3/4

HWY:

I

J

COUNTY:

PLOT DATE: 16-MAR-2010 11:24

1/2

3/4

3/4

2 %

5 1/4

3

7 1/2 4 1/4 3 3/4

7 1/2 | 4 1/4 | 3 3/4

4 1/4 3 3/4

PLOT BY: dotsja

1 1/2

1 1/8

1 %

1 %

٧

1/2

1/2

1/2

1/2

W

PLOT NAME :

PLOT SCALE: 11.918087:1.000000

WISDOT/CADDS SHEET 42

1 1/8

1 3/8

1 3/8

1 3/8

3/8

1/2

1/2

1/2

3/8

5/8

5/8

2

3

4

5

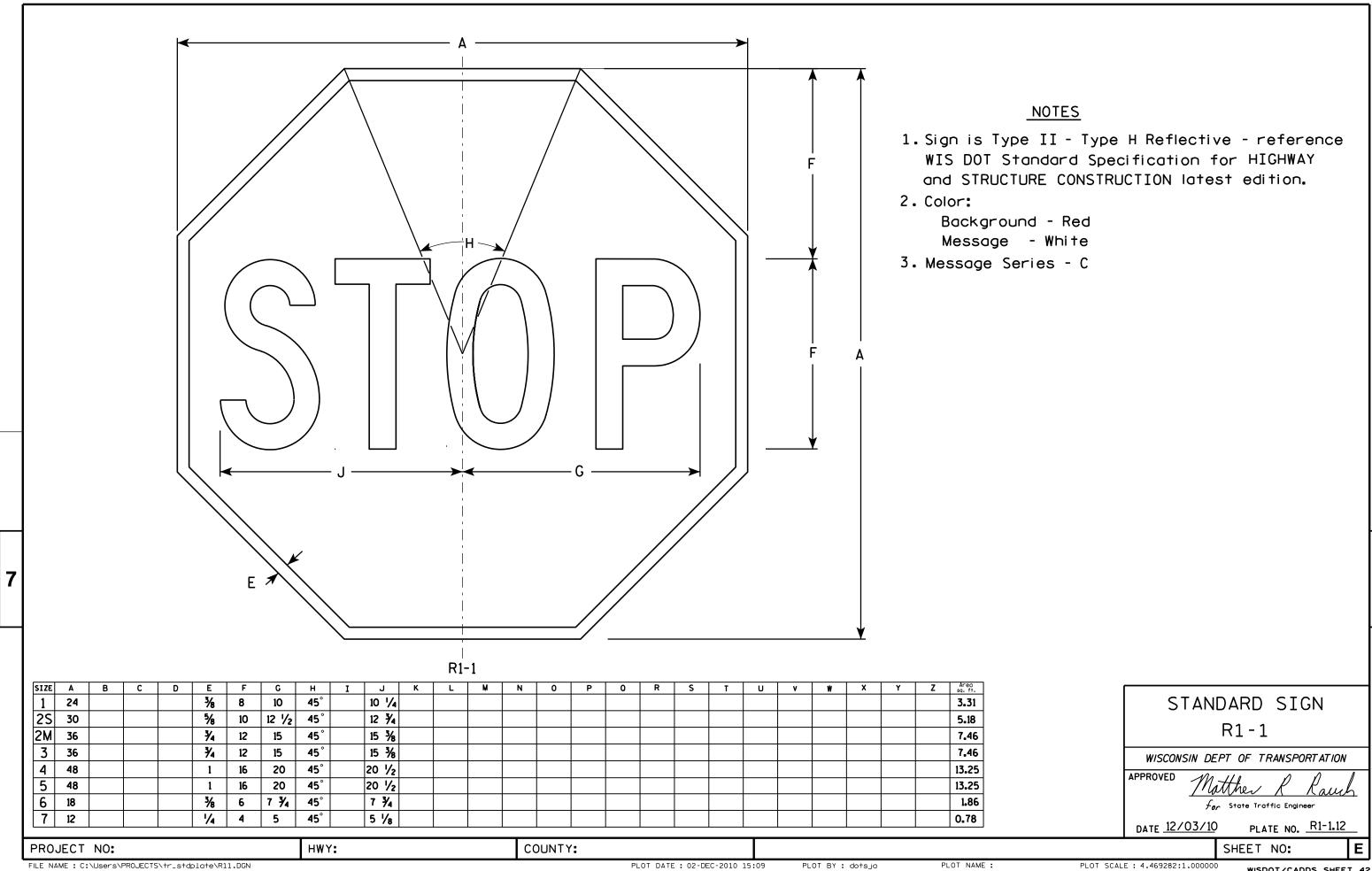
21

30

30

30

PROJECT NO:



R3-20R

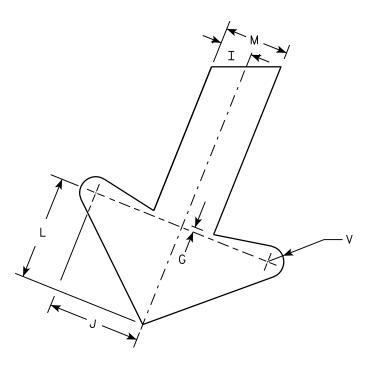
HWY:

#### NOTES

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

Background - White Message – Black

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



ARROW	DETA	ال
-------	------	----

PLOT NAME :

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

COUNTY:

STANDARD SIGN R3-20R

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

SHEET NO:

DATE 10/18/10

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

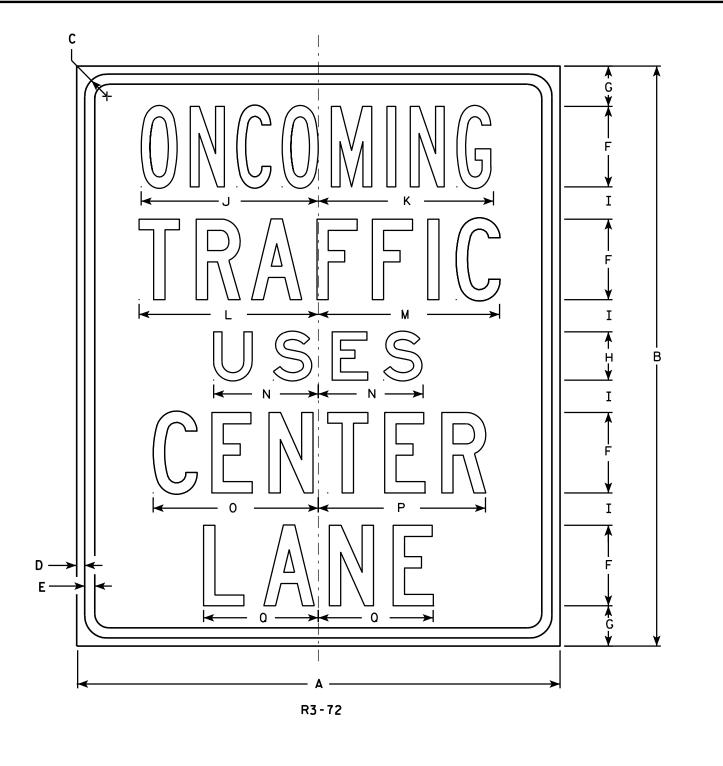
FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R320R.DGN

PROJECT NO:

PLOT DATE: 15-OCT-2010 14:59

PLOT BY : dotsja

PLOT SCALE: 5.959043:1.000000



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

Background - White Message - Black

- 3. Message Series Line 1 is Series B, Lines 2, 4 and 5 are Series C, and Line 3 is 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.

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	30	36	1 3/8	1/2	5/8	5	2 1/2	3	2	11	10 %	11 1/8	11 1/4	6 1/2	10 1/4	10 3/8	7 1/8										7.50
2S	30	36	1 3/8	1/2	5/8	5	2 1/2	3	2	11	10 1/8	11 1/8	11 1/4	6 1/2	10 1/4	10 3/8	7 1/8										7.50
2M	30	36	1 3/8	1/2	5/8	5	2 1/2	3	2	11	10 1/8	11 1/8	11 1/4	6 1/2	10 1/4	10 3/8	7 1/8										7.50
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R3-72

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

₹ar State Traffic Engineer

DATE 3/25/2011 PLATE NO. R3-72.5

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R372.DGN

PROJECT NO:

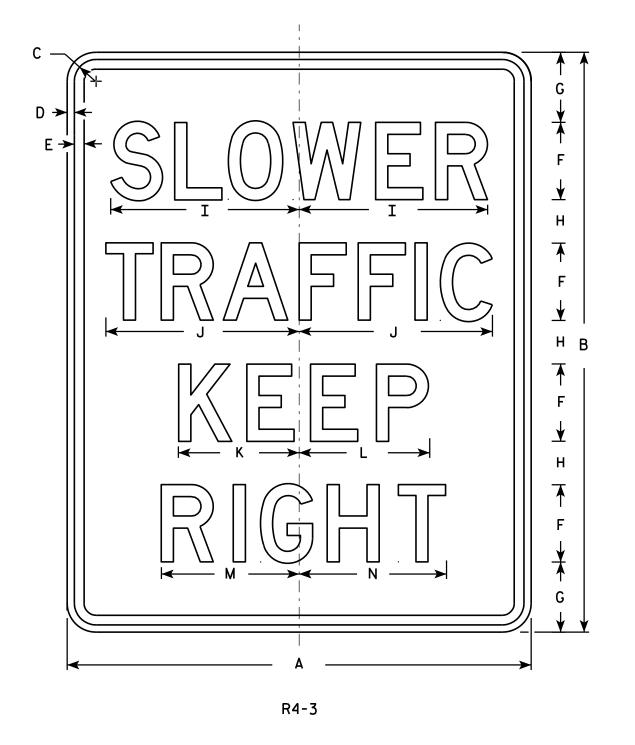
HWY:

PLOT DATE: 25-MAR-2011 13:16

PLOT BY: mscsja

PLOT NAME :

PLOT SCALE: 5.959043:1.000000



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

Background - White Message - Black

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

SIZE A В С G 2S 24 3/8 10 6 1/4 6 3/4 7 1/8 7 5/8 30 | 1 1/8 1/2 | 3 % | 2 1/4 | 9 ¾ | 5.0 3 % 2 1/4 9 3/4 10 6 1/4 6 3/4 7 1/8 7 5/8 1/2 5.0 24 30 | 1 1/8 48 1 1 1 1 1 1 1 1 1 1 1 1 1 5/8 3/4 15 9 3/8 14 % 10 10 3/4 11 3/8 12.0 36 10 3/4 11 3/8 3/4 15 9 % 10 36 1 % 12.0 48 5 7 1/4 4 1/2 19 1/2 20 12 1/2 13 1/2 14 1/4 15 1/4 48 60 2 1/4 20.0

STANDARD SIGN R4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-3.8

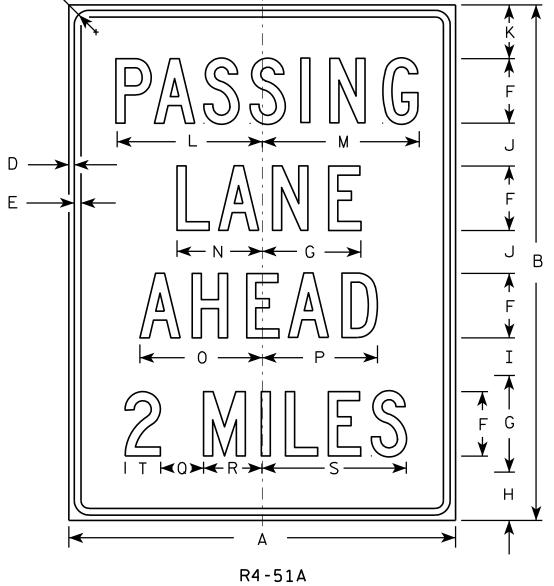
SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R43.DGN

PROJECT NO:

PLOT DATE: 25-MAR-2011 13:40

PLOT BY: mscsja



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

Background - White Message - Black

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

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	Areo sq. ft.
1																											
25	36	48	1 3/8	1/2	5/8	6	9 1/4	4 1/2	3 1/2	4	5	13 %	14 1/2	8	11 3/8	10 3/4	4	5 1/2	13 3/8	3 1/4							12.0
2M	36	48	1 3/8	1/2	5/8	6	9 1/4	4 1/2	3 1/2	4	5	13 %	14 1/2	8	11 3/8	10 ¾	4	5 1/2	13 %	3 1/4							12.0
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R4-51A

WISCONSIN DEPT OF TRANSPORTATION

**APPROVED** 

DATE 3/29/2011

for State Traffic Engineer PLATE NO. R4-51A.2

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R451A.DGN

HWY:

PROJECT NO:

PLOT DATE: 29-MAR-2011 10:43

PLOT NAME :

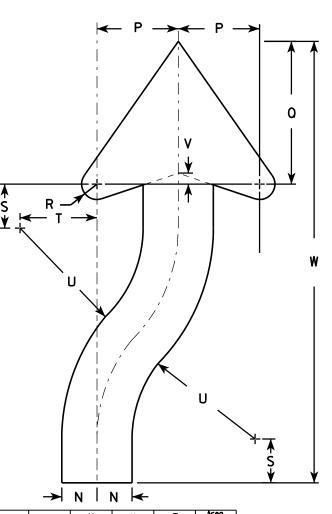
PLOT BY: mscsja

PLOT SCALE: 8.938567:1.000000

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

Background - White Message - Black

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



PLOT NAME :

ARROW DETAIL

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

COUNTY:

R4-7

STANDARD SIGN R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

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

SHEET NO:

PROJECT NO:

D→

HWY:

#### <u>NOTES</u>

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

Background - See detail Message - White - Type H Reflective

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

Whi te Red White R5-1

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

COUNTY:

STANDARD SIGN R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

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

SHEET NO:

PROJECT NO:

HWY:

PLOT NAME :

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

2. Color:

Background - 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.

A I I E D E WII-6	
WII-6	

SIZE A С E D H I 1 1/8 3/8 9 1/2 4 1/2 10 1/4 24 1/2 4.0 2S 1 3/8 11 1/2 5 5/8 12 3/4 30 1/2 5/8 6.25 2M 1 3/8 11 1/2 5 5/8 12 3/4 30 1/2 5/8 6.25 3 1 % 5/8 3/4 14 1/8 6 3/4 15 1/4 9.0 36 4 48 2 1/4 3/4 19 9 20 1/2 16.0 5

COUNTY:

STANDARD SIGN W11-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther R Rauch fer State Traffic Engineer DATE 3/16/11 PLATE NO. W11-6.7

HWY:

PLOT NAME :

SHEET NO:

PLOT SCALE : 5.959043:1.000000

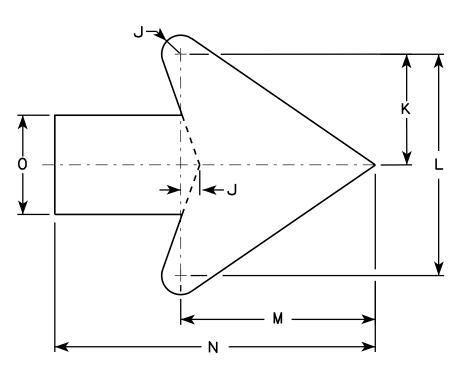
Ε

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 - 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	M	N	0	Р	0	R	S	Т	U	l v	w	Х	Y	Z	Areo sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 %	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 1/8	₹4	4 1/2	9	7 1/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 1/8	9 %	15 ¾	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

COUNTY:

W12-1D

STANDARD SIGN W12-1D

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer DATE 3/15/11 PLATE NO. W12-1D.14

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W121D.DGN

PROJECT NO:

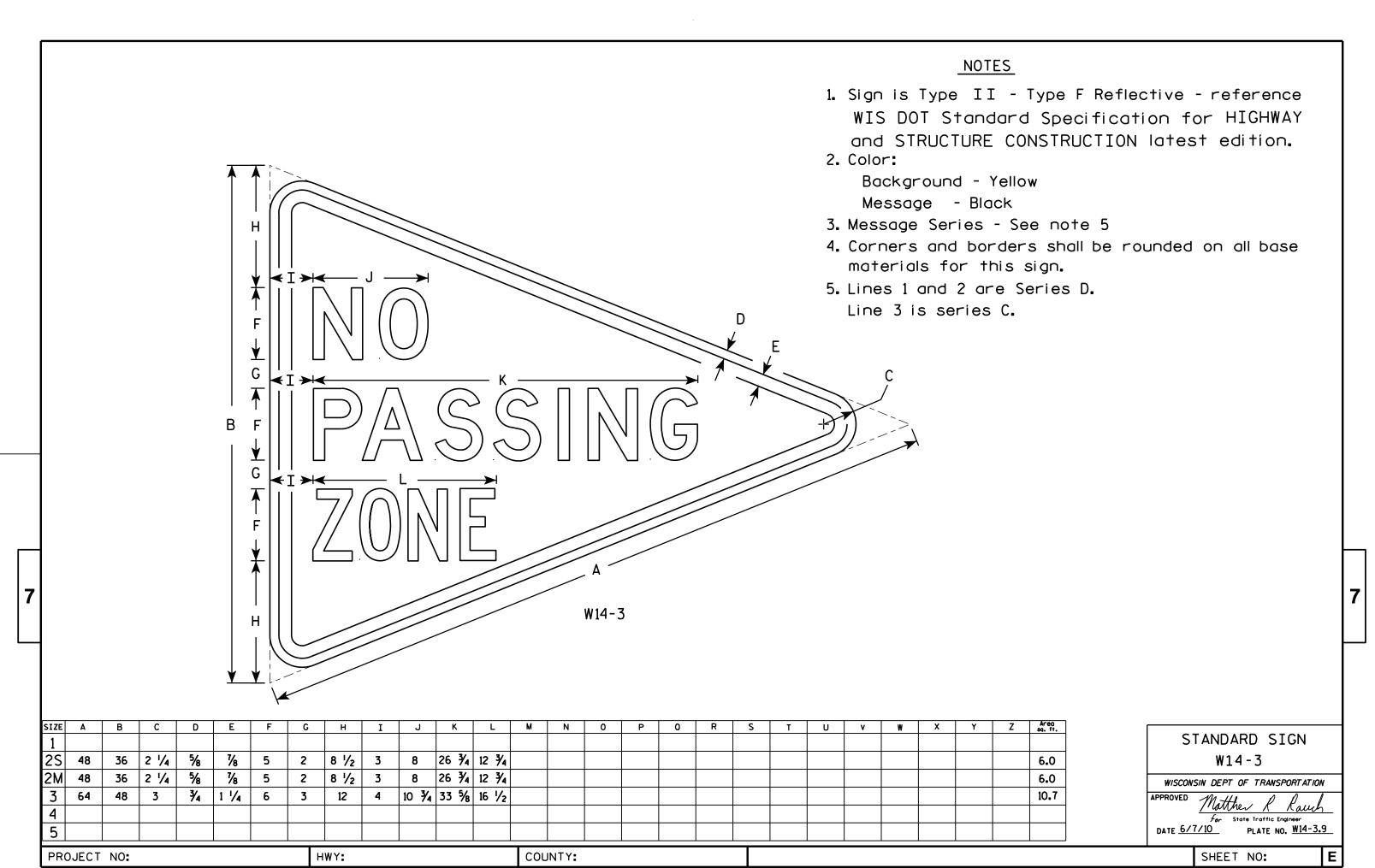
HWY:

PLOT DATE: 16-MAR-2011 14:10

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 4.717577:1.000000



FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W143.DGN

PLOT DATE: 07-JUN-2010 13:11

PLOT BY: ditjph

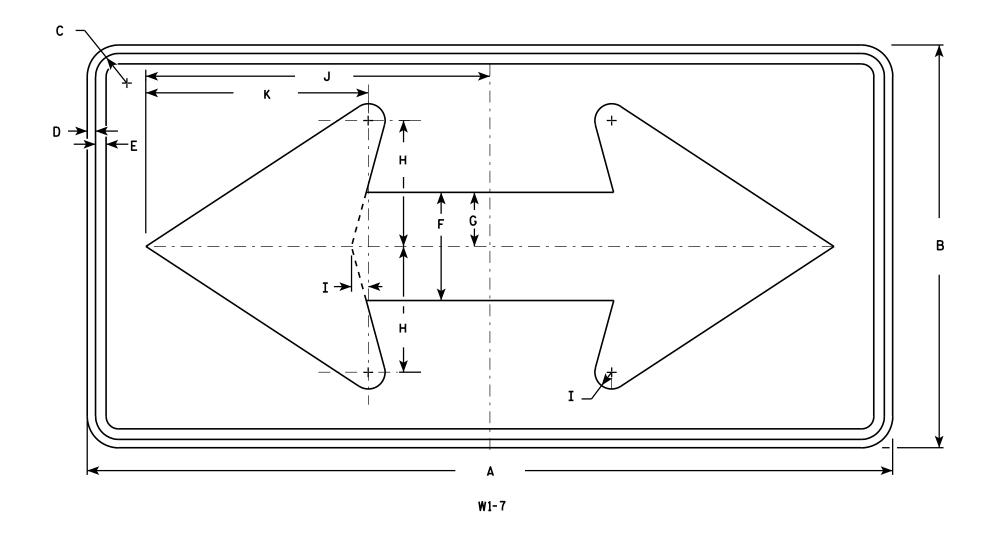
PLOT NAME :

PLOT SCALE: 5.710749:1.000000

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

Background - Yellow Message - Black

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



SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	<b>-</b>	٧	₩	Х	Y	Z	Areg sq. ft.
1	36	18	1 1/8	3⁄8	1/2	5	2 1/2	5 ¾	₹4	15 %	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 %	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

COUNTY:

STANDARD SIGN W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Raw

For State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W17.DGN

PROJECT NO:

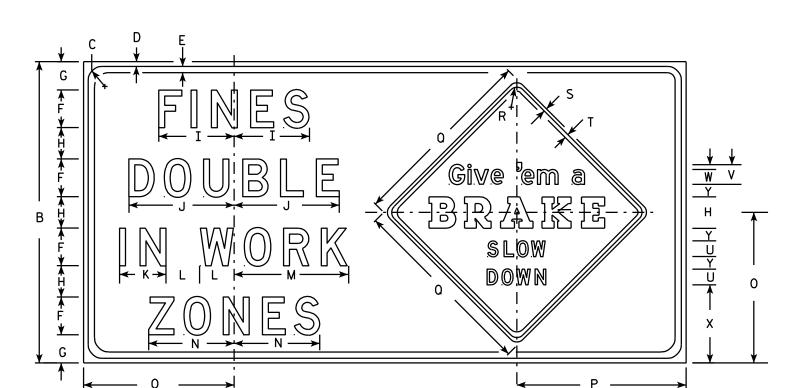
HWY:

PLOT DATE: 07-JUN-2010 12:35

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE: 5.720679:1.000000



W21-62

HWY:

#### NOTES

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

Background - White - (See Note 5) Message - Black

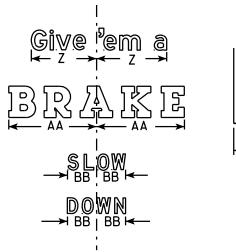
3. Message Series -

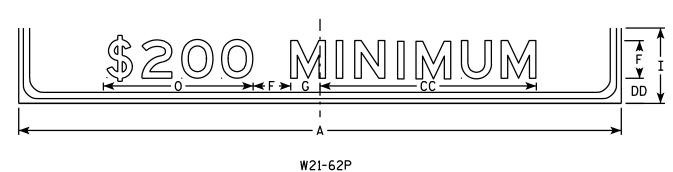
Fines Double Message - All lines are Series D Give 'em a Brake -

Line one is Series E, line two is a Special Graphic Series and lines three and four are Series D.

- 4. The base material shall be plywood. Corners may be square or rounded, but borders shall be rounded as shown. The base material for Give 'em a Brake sign can be a seperate sheet of aluminum with the corners and borders rounded as shown. This seperate panel shall then be attached to the plywood with aluminum or stainless steel sheet metal screws.
- 5. Background for the Give 'em a Brake sign shall be Type F reflective orange.

PLOT NAME :





SIZE	A	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	AA	BB	CC	DD	Areg sq. ft.
1 1																															
25																															
2M																															
3	96	48	2 1/4	3∕4	1	6	4 1/2	5	12	16 3/4	7 3/8	5 ½	18 1/4	13 %	24	27	30	1 3/8	1/2	5/8	2 1/2	3 1/8	2 3/8	12 1/2	2	10 ¾	14	4 %	34 1/2	4	32.0
4																															
5																															

COUNTY:

STANDARD SIGN W21-62

......

PROVED Matther & Raws

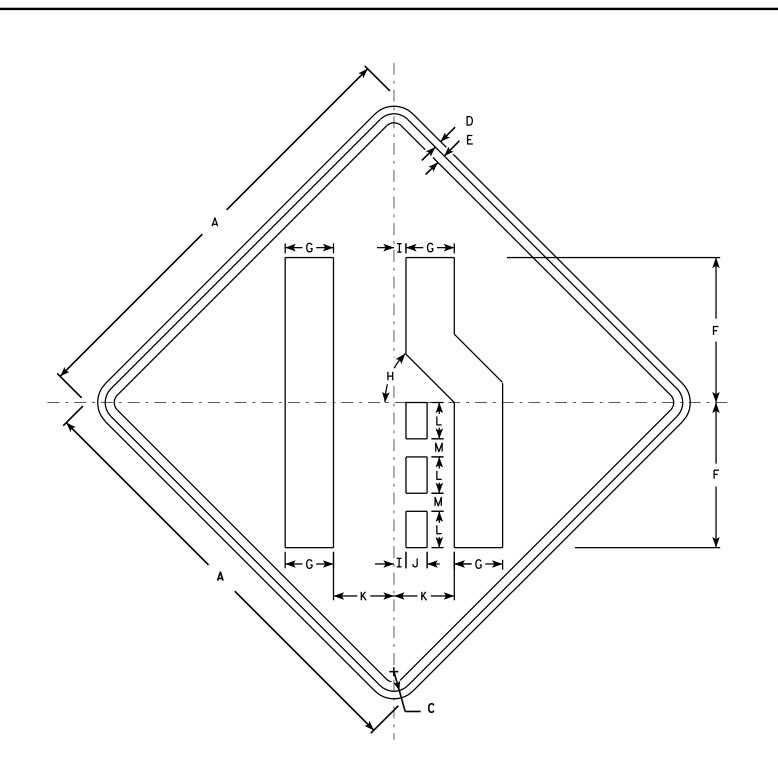
SHEET NO:

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 - Yellow Message - Black

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



W4-2R

Α	В	С	D	E	F	G	н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
30		1 3/8	1/2	5/8	10	3 %	45°	<b>%</b>	1 1/2	4 1/4	2 1/2	1 1/4														6.25
36		1 %	5/8	₹4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
36		1 %	5/8	₹4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
36		1 %	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
	30 36 36 36 48	30 36 36 36 48	30 1 3/8 36 1 5/8 36 1 5/8 36 1 5/8 48 2 1/4	30     1 3/8     1/2       36     1 5/8     5/8       36     1 5/8     5/8       36     1 5/8     5/8       36     1 5/8     5/8       48     2 1/4     3/4	30     1 3/8     1/2     5/8       36     1 5/8     5/8     3/4       36     1 5/8     5/8     3/4       36     1 5/8     5/8     3/4       36     2 1/4     3/4     1	30     1 3/8     1/2     5/8     10       36     1 5/8     5/8     3/4     12       36     1 5/8     5/8     3/4     12       36     1 5/8     5/8     3/4     12       36     2 1/4     3/4     1     16	30     1 3/8     1/2     5/8     10     3 3/8       36     1 5/8     5/8     3/4     12     4       36     1 5/8     5/8     3/4     12     4       36     1 5/8     5/8     3/4     12     4       48     2 1/4     3/4     1     16     5 3/8	30     1 3/8     1/2     5/8     10     3 3/8     45°       36     1 5/8     5/8     3/4     12     4     45°       36     1 5/8     5/8     3/4     12     4     45°       36     1 5/8     5/8     3/4     12     4     45°       48     2 1/4     3/4     1     16     5 3/8     45°	30     1 3/8     1/2     5/8     10     3 3/8     45°     7/8       36     1 5/8     5/8     3/4     12     4     45°     1       36     1 5/8     5/8     3/4     12     4     45°     1       36     1 5/8     5/8     3/4     12     4     45°     1       48     2 1/4     3/4     1     16     5 3/8     45°     1 1/4	30     1 3/8     1/2     5/8     10     3 3/8     45°     7/8     1 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4       48     2 1/4     3/4     1     16     5 3/8     45°     1 1/4     2 3/8	30     1 3/8     1/2     5/8     10     3 3/8     45°     7/8     1 1/2     4 1/4       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5       48     2 1/4     3/4     1     16     5 3/8     45°     1 1/4     2 3/8     6 3/4	30     1 3/8     1/2     5/8     10     3 3/8     45°     7/8     1 1/2     4 1/4     2 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3       48     2 1/4     3/4     1     16     5 3/8     45°     1 1/4     2 3/8     6 3/4     4	30     1 3/8     1/2     5/8     10     3 3/8     45°     7/8     1 1/2     4 1/4     2 1/2     1 1/4       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       48     2 1/4     3/4     1     16     5 3/8     45°     1 1/4     2 3/8     6 3/4     4     2	30     1 3/8     1/2     5/8     10     3 3/8     45°     7/8     1 1/2     4 1/4     2 1/2     1 1/4       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       48     2 1/4     3/4     1     16     5 3/8     45°     1 1/4     2 3/8     6 3/4     4     2	30     1 3/8     1/2     5/8     10     3 3/8     45°     7/8     1 1/2     4 1/4     2 1/2     1 1/4       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       48     2 1/4     3/4     1     16     5 3/8     45°     1 1/4     2 3/8     6 3/4     4     2	30     1 3/8     1/2     5/8     10     3 3/8     45°     7/8     1 1/2     4 1/4     2 1/2     1 1/4       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       48     2 1/4     3/4     1     16     5 3/8     45°     1 1/4     2 3/8     6 3/4     4     2	30     1 3/8     1/2     5/8     10     3 3/8     45°     7/8     1 1/2     4 1/4     2 1/2     1 1/4       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       48     2 1/4     3/4     1     16     5 3/8     45°     1 1/4     2 3/8     6 3/4     4     2	30     1 3/8     1/2     5/8     10     3 3/8     45°     7/8     1 1/2     4 1/4     2 1/2     1 1/4       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       36     1 5/8     5/8     3/4     12     4     45°     1     1 3/4     5     3     1 1/2       48     2 1/4     3/4     1     16     5 3/8     45°     1 1/4     2 3/8     6 3/4     4     2	30     1 3/8 1/2 5/8 10     3 3/8 45° 7/8 1 1/2 4 1/4 2 1/2 1 1/4       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       48     2 1/4 3/4 1 16 5 3/8 45° 1 1/4 2 3/8 6 3/4 4 2	30     1 3/8 1/2 5/8 10     3 3/8 45° 7/8 1 1/2 4 1/4 2 1/2 1 1/4       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       48     2 1/4 3/4 1 16 5 3/8 45° 1 1/4 2 3/8 6 3/4 4 2	30     1 3/8 1/2 5/8 10     3 3/8 45° 7/8 1 1/2 4 1/4 2 1/2 1 1/4       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       48     2 1/4 3/4 1 16 5 3/8 45° 1 1/4 2 3/8 6 3/4 4 2	30     1 3/8 1/2 5/8 10     3 3/8 45° 7/8 1 1/2 4 1/4 2 1/2 1 1/4       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       48     2 1/4 3/4 1 16 5 3/8 45° 1 1/4 2 3/8 6 3/4 4 2	30     1 3/8 1/2 5/8 10     3 3/8 45° 7/8 1 1/2 4 1/4 2 1/2 1 1/4       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12 4 45° 1 1 3/4 5 3 1 1/2       48     2 1/4 3/4 1 16 5 3/8 45° 1 1/4 2 3/8 6 3/4 4 2	30     1 3/8 1/2 5/8 10     3 3/8 45° 7/8 1 1/2 4 1/4 2 1/2 1 1/4       36     1 5/8 5/8 3/4 12     4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12     4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12     4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12     4 45° 1 1 3/4 5 3 1 1/2       48     2 1/4 3/4 1 16     5 3/8 45° 1 1/4 2 3/8 6 3/4 4 2	30     1 3/8 1/2 5/8 10     3 3/8 45° 7/8 1 1/2 4 1/4 2 1/2 1 1/4       36     1 5/8 5/8 3/4 12     4 45° 1 1 3/4 5     3 1 1/2       36     1 5/8 5/8 3/4 12     4 45° 1 1 3/4 5     3 1 1/2       36     1 5/8 5/8 3/4 12     4 45° 1 1 3/4 5     3 1 1/2       36     1 5/8 5/8 3/4 12     4 45° 1 1 3/4 5     3 1 1/2       48     2 1/4 3/4 1 16     5 3/8 45° 1 1/4 2 3/8 6 3/4 4     2	30     1 3/8 1/2 5/8 10     3 3/8 45° 7/8 1 1/2 4 1/4 2 1/2 1 1/4       36     1 5/8 5/8 3/4 12     4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12     4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12     4 45° 1 1 3/4 5 3 1 1/2       36     1 5/8 5/8 3/4 12     4 45° 1 1 3/4 5 3 1 1/2       48     2 1/4 3/4 1 16     5 3/8 45° 1 1/4 2 3/8 6 3/4 4 2

STANDARD SIGN W4-2

\_\_\_\_\_

WISCONSIN DEPT OF TRANSPORTATION

APPROVED M 1/1 0 1

Matther R R

For State Traffic Engineer

DATE 2/29/2012 PLATE NO. W4-2.13

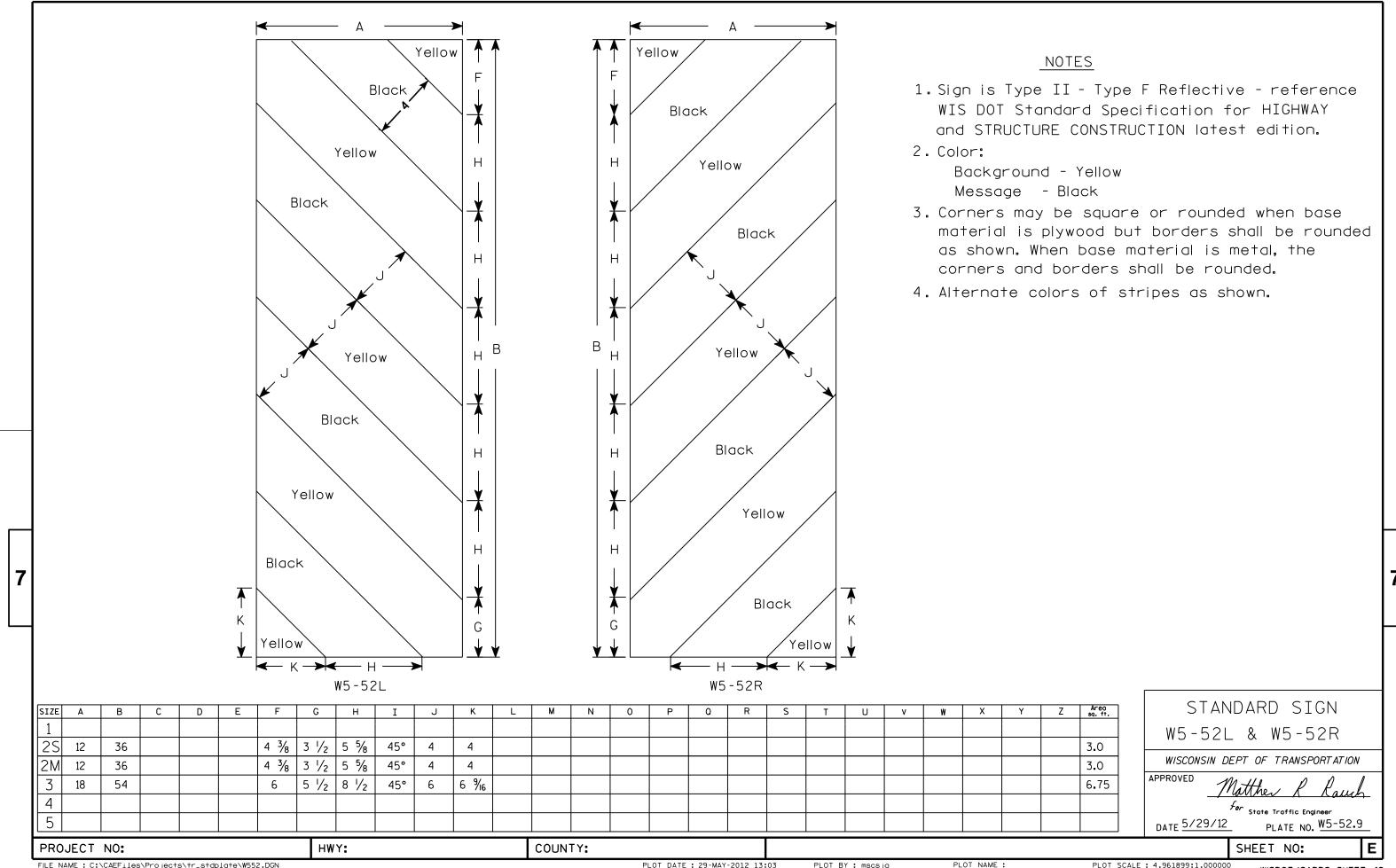
SHEET NO:

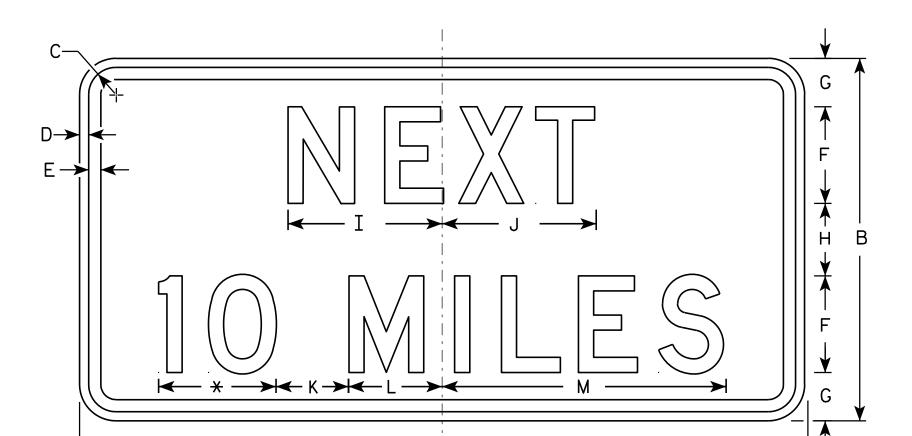
FILE NAME : c:\CAEFiles\Projects\tr\_stdplate\W42.DGN

PROJECT NO:

PLOT DATE: 29-FEB-2012 13:24

PLOT BY: mscj9h





W57 - 51

HWY:

#### NOTES

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

Background - Yellow Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

\* See note 5

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3⁄8	3/8	3	1 3/4	2 1/2	5	5 1/8	3	2 3/4	9 %														2.0
25	30	15	1 1/8	3/8	1/2	4	2	3	6 3/8	6 3/8	3	3 %	11 3/4														3.13
2M	36	18	1 1/8	3/8	1/2	5	2 5/8	2 3/4	7 1/8	8	5	4 1/8	15 3/8														4.5
3	36	18	1 1/8	3⁄8	1/2	5	2 %	2 3/4	7 1/8	8	5	4 1/8	15 3/8														4.5
4	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 %	19														8.0
5	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 %	19														8.0

COUNTY:

STANDARD SIGN W57-51

SHEET NO:

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R R

For State Traffic Engineer

DATE 4/18/11

PLATE NO. W57-51.8

PROJECT NO:
FILE NAME : C:\Users\PROJECTS\tr\_stdplate\\\$5751.DGN

PLOT DATE: 18-APR-2011 15:08

PLOT BY: mscj9h

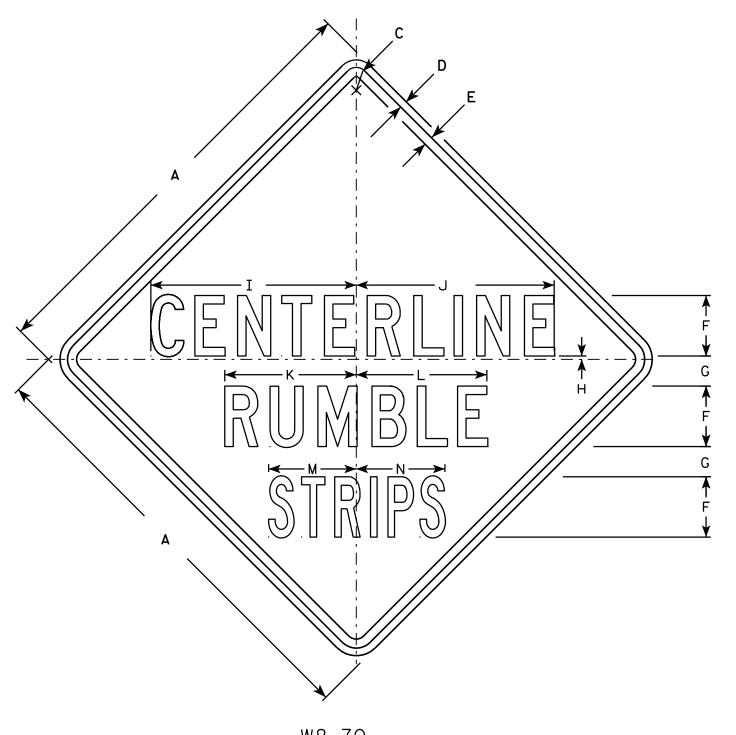
PLOT NAME :

PLOT SCALE: 3.972696:1.000000

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

Background - YELLOW 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. Line 1 and 2 are Series C. Line 3 is Series B.



W8-70

SIZE	Α	В	С	D	E	F	G	H	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 1/8	5/8	₹4	5	2 1/2	1/4	17	16 3/8	10 1/8	10 ¾	7 1/4	7													9.0
2M	36		1 %	5/8	₹4	5	2 1/2	1/4	17	16 3/8	10 1/8	10 ¾	7 1/4	7													9.0
3	36		1 %	5/8	₹4	5	2 1/2	1/4	17	16 3/8	10 1/8	10 ¾	7 1/4	7 3/8													9.0
4																											
5																											

STANDARD SIGN W8-70

WISCONSIN DEPT OF TRANSPORTATION

APPROVED M \_// // //

for State Traffic Engineer

DATE 3/23/11 PLATE NO.W8-70.2

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W870.DGN

PROJECT NO:

PLOT DATE: 23-MAR-2011 10:08

PLOT BY: mscj9h



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

Background - Yellow Message - Black

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

6.25

9.0

9.0

9.0

9.0

16.0

W9-1R SIZE 1 3/8 1/2 2 1/2 7 1/8 7 5/8 9 1/4 8 1/8 7 5/8 8 5/8 30 1 1/2 5/8 8 1/2 9 1/8 36 1 % 11 9 3/4 10 3/8 2M 8 1/2 9 1/8 36 1 % 5⁄8 3/4 9 3/4 10 3/8 3 11 9 3/4 5/8 3/4 36 1 1/8 8 1/2 9 1/8 10 3/8 6 4 9 3/4 5/8 3/4 2 8 1/2 9 1/8 10 % 36 1 1/8 6 11 5 11 1/4 12 1/4 14 3/4 12 1/8 12 1/4 13 5/8 48 2 1/4

STANDARD SIGN W9-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

VED Matther & Ray

DATE 12/20/10

PLATE NO. W9-1.7

SHEET NO:

PROJECT NO:

Notes



### Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov