#### **JUNE 2017** STATE OF WISCONSIN ORDER OF SHEETS Title Section No. **DEPARTMENT OF TRANSPORTATION** Typical Sections and Details Section No. Estimate of Quantities Section No. Miscellaneous Quantities PLAN OF PROPOSED IMPROVEMENT

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 5040-04-60

**END PROJECT** 

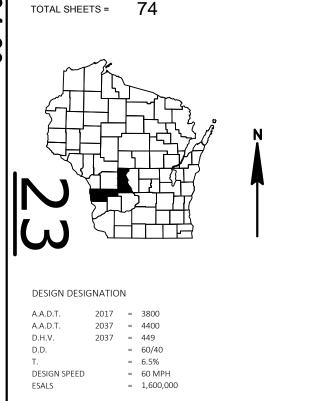
STA 347+54

**HILLSBORO - UNION CENTER** 

.02MI E CTH FF TO B-29-59

**STH 33 JUNEAU & VERNON COUNTY** 

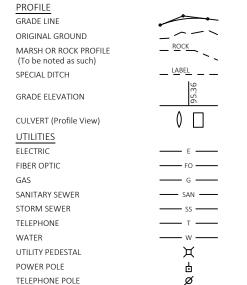
> STATE PROJECT NUMBER 5040-04-60

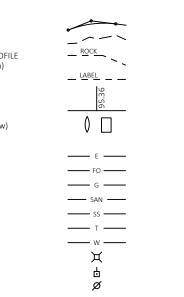


Standard Detail Drawings

**CONVENTIONAL SYMBOLS** 

CORPORATE LIMITS	<u> </u>
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	L
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	300'EB'
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	<del>-</del>
COMBUSTIBLE FLUIDS	-caution-
MARSH AREA	
WOODED OR SHRUB AREA	£





EXCEPTION TO NET CENTERLINE LENGTH

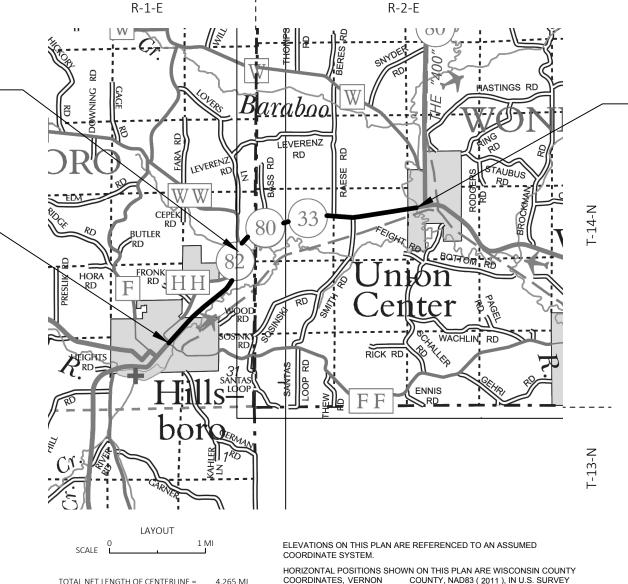
**BEGIN PROJECT** 

STA 122+37

Y = 184,974.67X = 848,330.40

STA 208+12 TO STA 209+10

STRUCTURE B-62-25



COORDINATES, VERNON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PREPARED BY

ALEIGHA BURG MIKE RUD Regional Supervisor

Waldo

FILE NAME : N:\PDS\C3D\50400430\SHEETSPLAN\010101\_TI.DWG

PLOT DATE : 3/10/2017 8:23 AM BURG, ALEIGHA J

PLOT NAME

Ε

GENERAL NOTES

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE

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

CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE, OR PARKING LANE

2 INCH HMA PAVEMENT SHALL BE CONSTRUCTED IN A SINGLE LAYER. 3.5 INCH HMA PAVEMENT SHALL BE CONSTRUCTED WITH 2 INCH UPPER LAYER AND 1.5 INCH LOWER LAYER

APPLY TACK COAT TO MILLED SURFACE AND BETWEEN HMA PAVEMENT LAYERS AT A RATE OF 0.07 GAL/SY

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS

PURSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES, THE CONTRACTOR SHALL CAREFULY MAKE A SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST

WORK WITH THE UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKERS IS TO BE WITH THE APPROVAL OF THE ENGINEER

## STANDARD ABBREVIATIONS

A.A.D.T.	ANNUAL AVERAGE DAILY TRAFFIC	PC	POINT OF CURVATURE
Δ	CENTRAL ANGLE OR DELTA	PΙ	POINT OF INTERSECTION
D	DEGREE OF CURVE	PT	POINT OF TANGENCY
D.H.V.	DESIGN HOURLY VOLUME	R	RADIUS OR RANGE
D.D.	DIRECTIONAL DISTRIBUTION	REQ'[	) required
ESALS	EQUIVALENT SINGLE AXLE LOADS	S.D.D	. STANDARD DETAIL DRAWING(S)
CWT	HUNDRED WEIGHT	T	TANGENT
L	LENGTH OF CURVE	T.	PERCENT TRUCKS
LT	LEFT	TYP	TYPICAL
MGAL	1000 GALLONS	VAR	VARIABLE

#### UTILITY CONTACTS

ATC MANAGEMENT INC., ELECTRICITY-TRANSMISSION
ANTHONY MARCINIAK

W 234 N 200 RIDGEVIEW PARKWAY CT P.O. BOX 47

WAUKESHA, WI 53187 PHONE: 262-506-6700

MOBILE: N/A

ALLIANT ENERGY, GAS/PETROLEUM

MARK SCHOEN 338 E STATE STREET MAUSTON, WI 53948 PHONE: 608-847-1315 MOBILE: 608-206-4819

CITY OF HILLSBORO, WATER/SEWER

MIKE LANGE P.O. BOX 447 HILLSBORO, WI 54634 PHONE: 608-489-3388 MOBILE: 608-558-5701

PACKERLAND BROADBAND, COMMUNICATION LINE

RANDY SIMMS

105 KENT STREET P.O. BOX 190 IRON MOUNTAIN, MI 49801

PHONE: N/A

MOBILE: 906-282-3802

ALLIANT ENERGY, ELECTRICITY

MARK SCHOEN
338 E STATE STREET
MAUSTON, WI 53948
PHONE: 608-847-1315
MOBILE: 608-206-4819

COMMUNITY ANTENNA SYSTEMS

INC., COMMUNICATION LINE RANDALL KUBARSKI 1010 LAKE STREET HILLSBORO, WI 54634 PHONE: 608-489-2321 MOBILE: 608-604-3695

CITY OF HILLSBORO, HILLSBORO TELEPHONE COMPANY INC.,

CHAD SCHMIDT 121 MILL STREET HILLSBORO, WI 54634 PHONE: 608-489-4415 MOBILE: N/A

UNITED COOPERATIVE, GAS

KARL BETH

N7160 RACEWAY ROAD BEAVER DAM, WI 53916 PHONE: 920-887-1756 MOBILE: 608-576-5275

#### DESIGN CONTACTS

TODD WALDO
PROJECT MANAGER
WISDOT SW REGION
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
PHONE: 608-785-9462
EMAIL: Todd.Waldo@dot.wi.gov

ALEIGHA BURG
PROJECT DESIGNER
WISDOT SW REGION
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
PHONE:608-317-9083
EMAIL: Aleigha.Burg@dot.wigov

#### **ENVIRONMENTAL CONTACT**

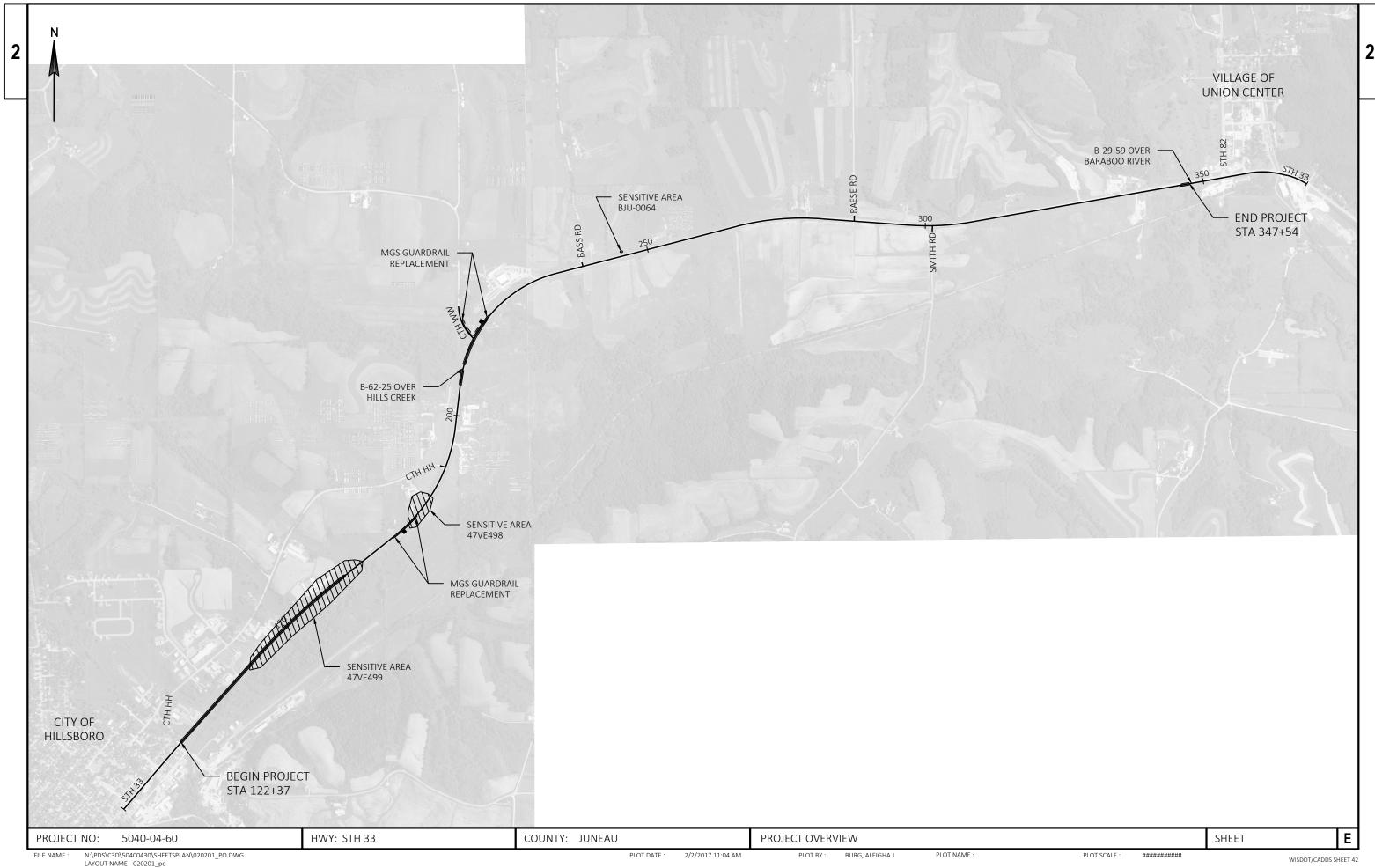
KAREN KALVELAGE
ENVIRONMENTAL ANALYSIS & REVIEW SPECIALIST
WISCONSIN DEPT. OF NATURAL RESOURCES
SOUTH CENTRAL REGION
3550 MORMON COULEE RD
LA CROSSE, WI 54601
PHONE: 608-785-9115

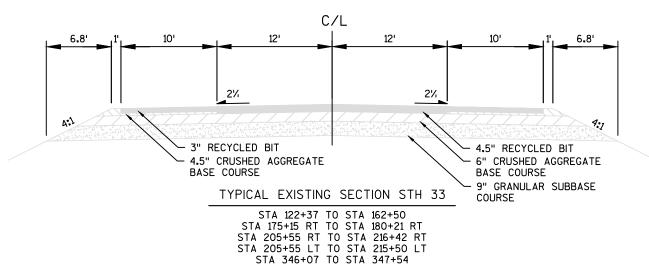
Email: karen.Kalvelage@wisconsin.gov

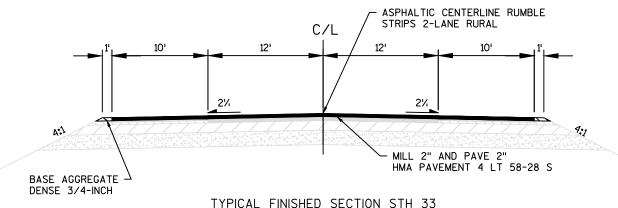


PROJECT NO: 5040-04-60 HWY: STH 33 COUNTY: JUNEAU GENERAL NOTES SHEET: E

FILE NAME : PLOT DATE : 3/10/2017 8:41 AM PLOT BY : PLOT NAME : PLOT SCALE : N/A

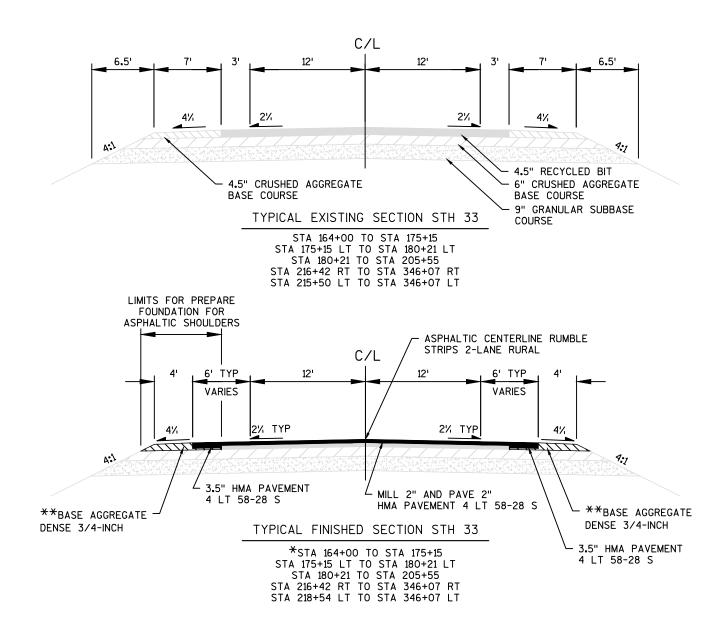






\*STA 122+37 TO STA 162+50 STA 175+15 RT TO STA 180+21 RT STA 205+55 RT TO STA 216+42 RT STA 205+55 LT TO STA 218+54 LT STA 346+07 TO STA 347+54

\* STA 162+50.00 TO STA 164+00.00, TAPER HMA PAVEMENT SHOULDER WIDTH



IN AREAS WITH 6' SHOULDERS, CONTRACTOR SHALL PAVE ONE PASS 18' WIDE FROM CENTERLINE. IN AREAS OF GUARD RAIL, TURN LANES, AND WIDER SHOULDERS, CONTRACTOR TO MATCH EXISTING PAVING WIDTHS

GUARDRAIL THAT IS REMAINING IN PLACE, MILL/PAVE TO WITHIN 6" OF GUARDRAIL FACE

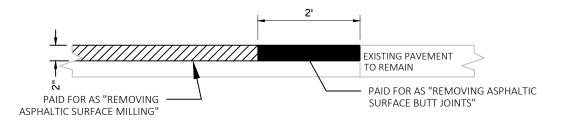
MILL ADDITIONAL 3' THRU SIDEROADS AND DRIVEWAYS FOR A TOTAL MILLING WIDTH OF 18'

USE A 10:1 TAPER WHEN CHANGING SHOULDER WIDTH, UNLESS NOTED ELSEWHERE

SUPERELEVATION RANGES FROM 2% TO 7%

HWY:STH 33 E PROJECT NO:5040-04-60 COUNTY: JUNEAU PLAN: TYPICAL SECTIONS SHEET FILE NAME: N:\PDS\C3D\50400430\SHEETSPLAN\020301\_TS.DWG

<sup>\*\*</sup> EXISTING CRUSHED AGGREGATE BASE COURSE TO BE USED FOR BASE LEVELING BENEATH EXTENDED PAVED SHOULDER. EXCESS MATERIAL TO BE SALVAGED AND PLACED ON SHOULDERS. PAID FOR UNDER ITEM PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS



REMOVING ASPHALTIC SURFACE BUTT JOINTS DETAIL

Ε HWY: STH 33 COUNTY: JUNEAU SHEET PROJECT NO: 5040-04-60 CONSTRUCTION DETAILS

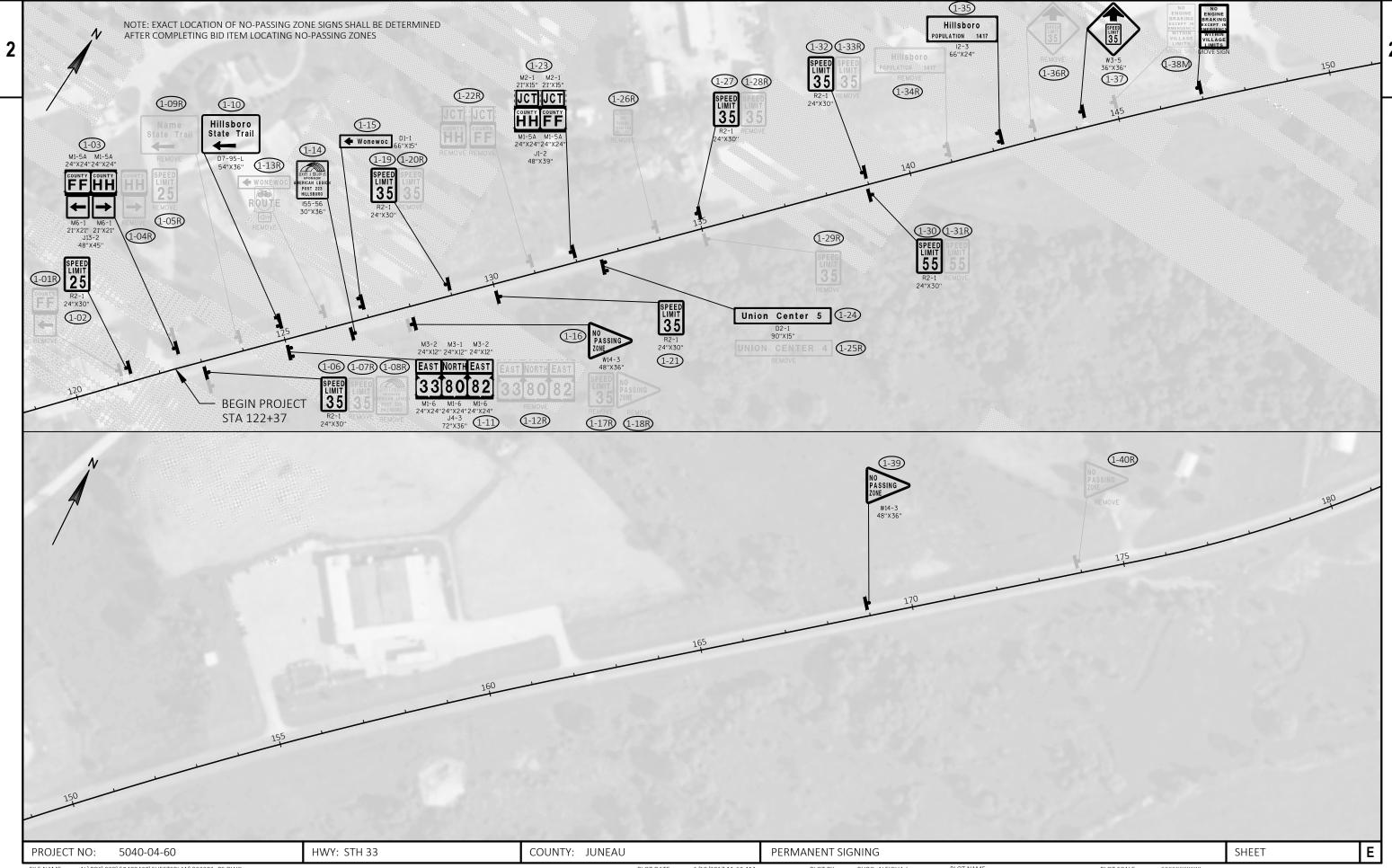
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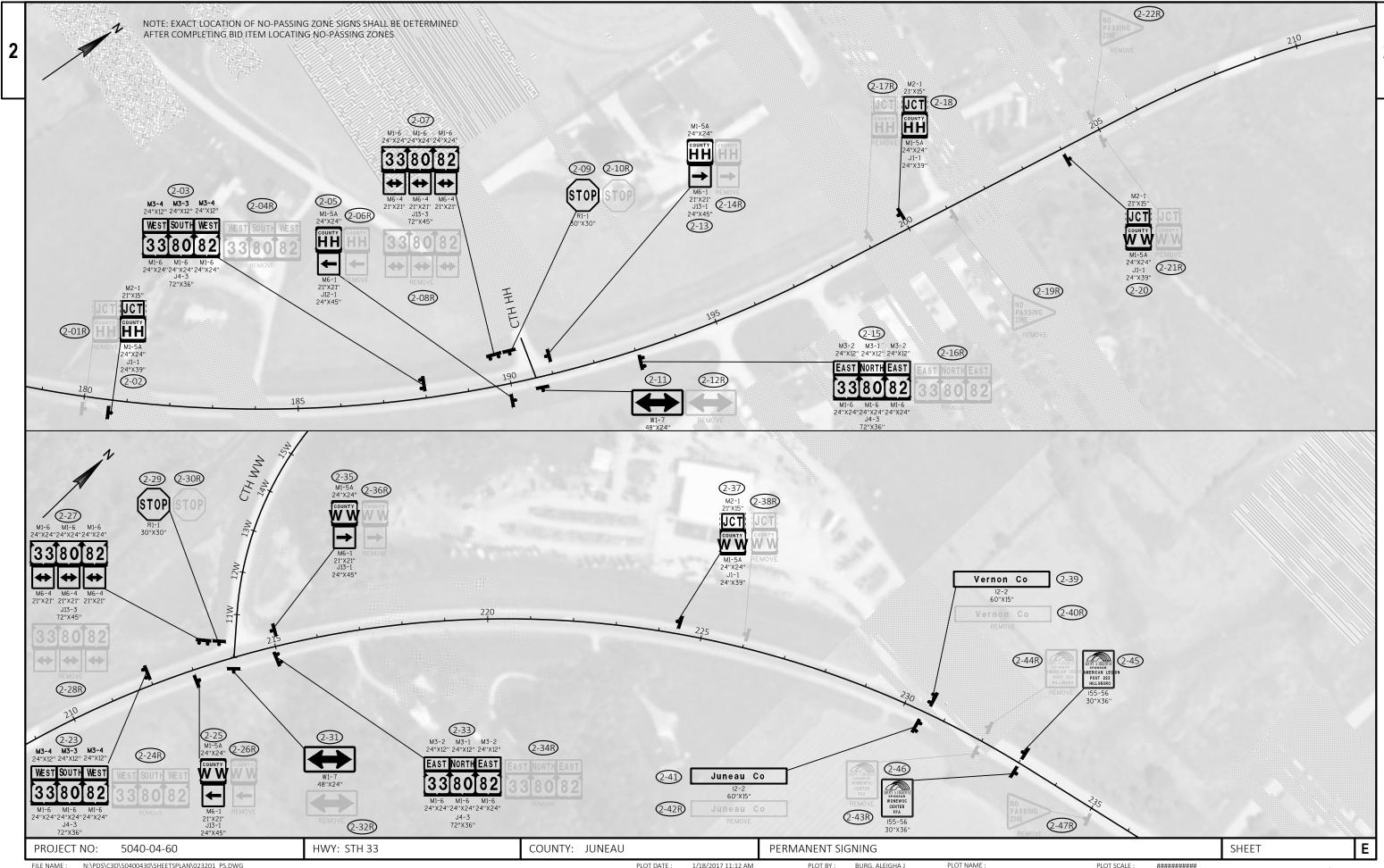
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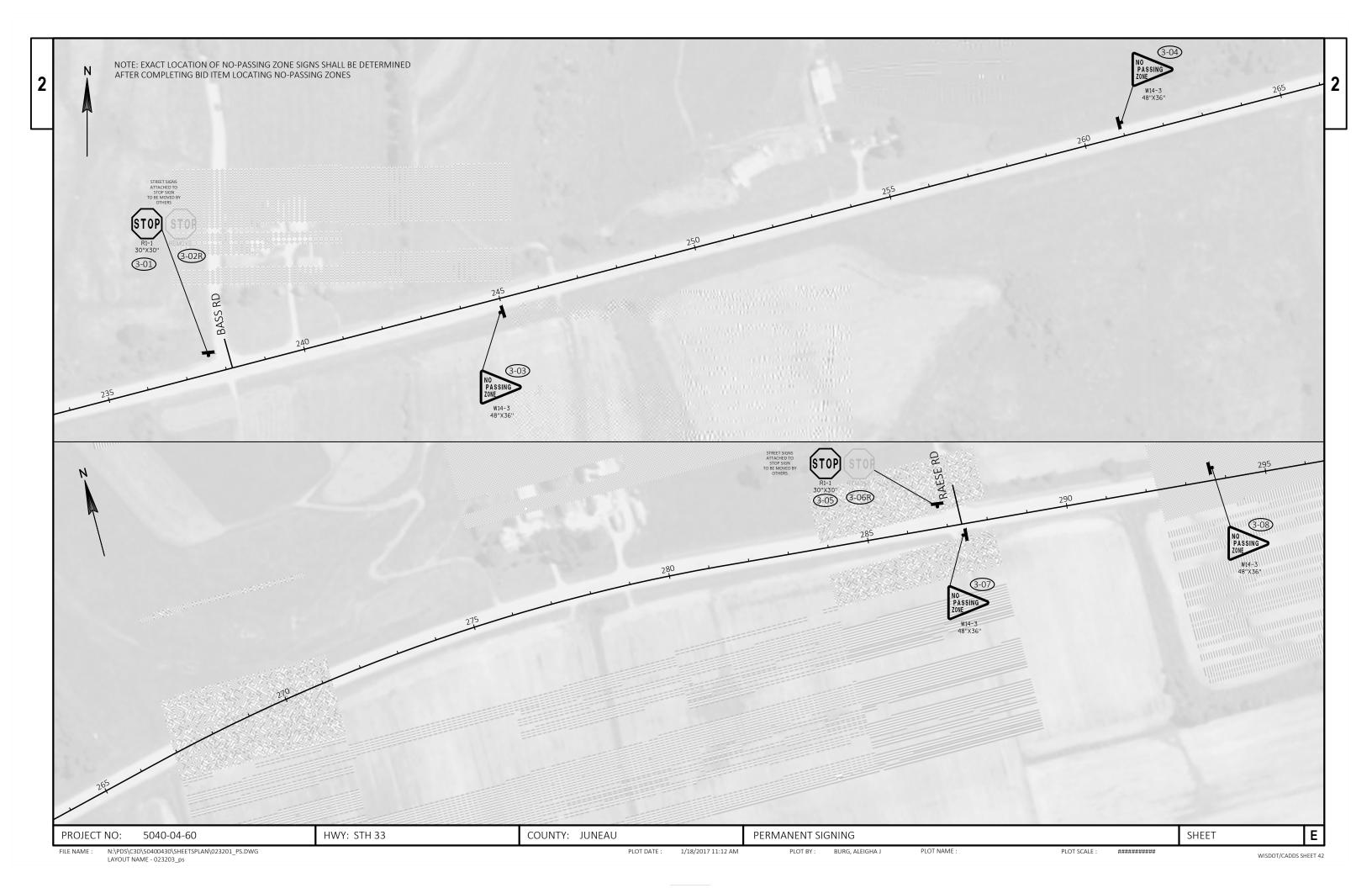
WISDOT/CADDS SHEET 42

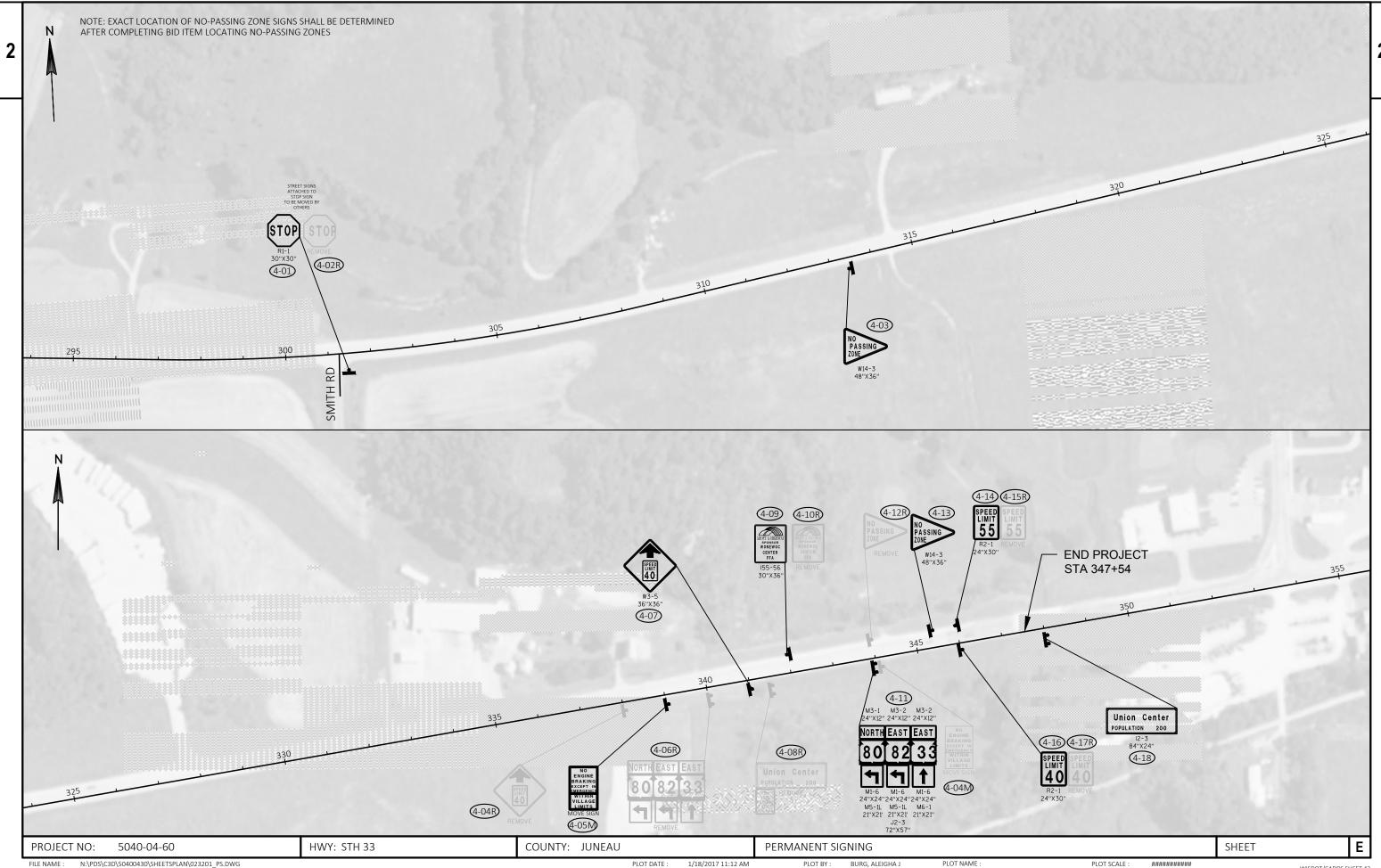
PLOT SCALE :

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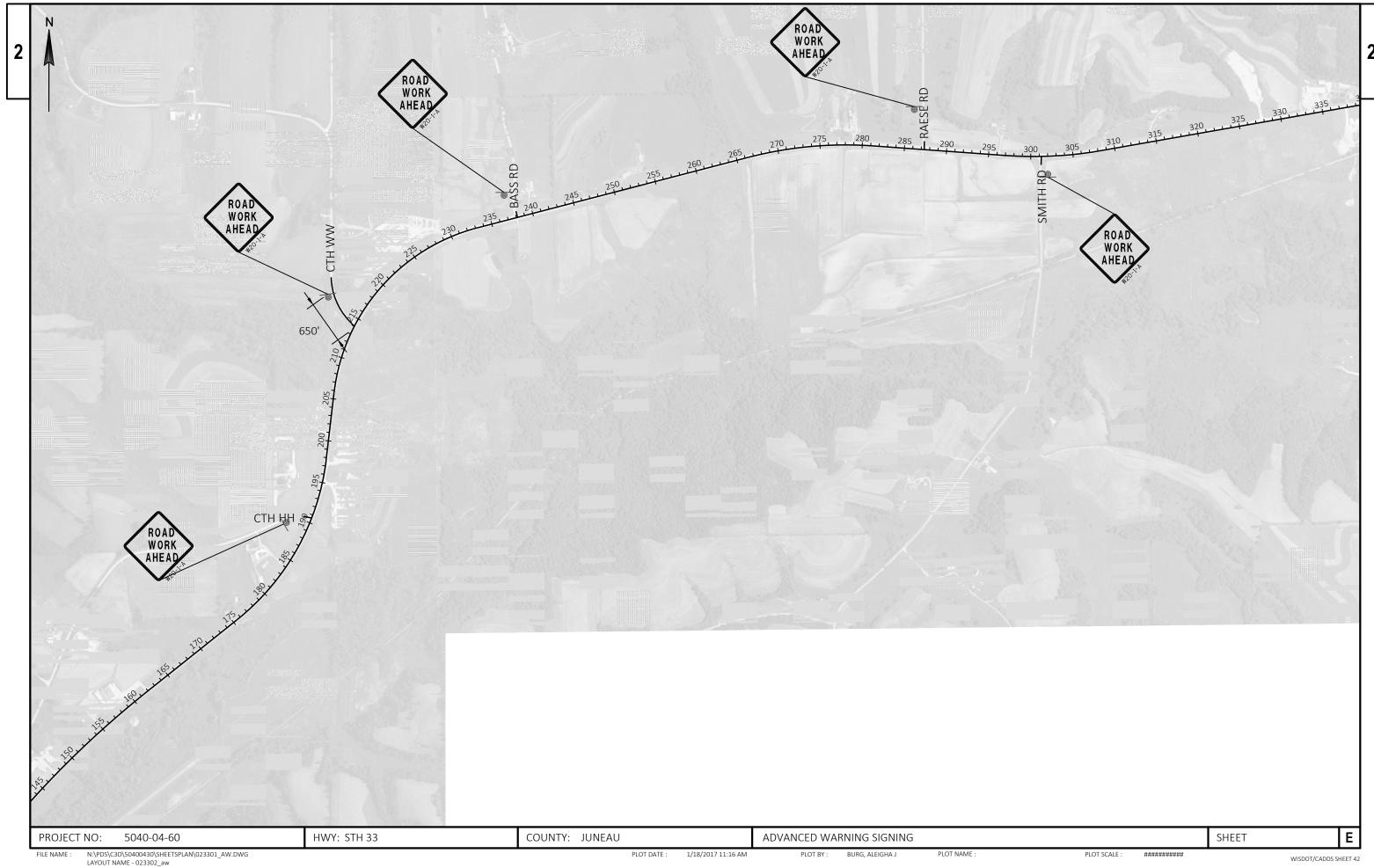




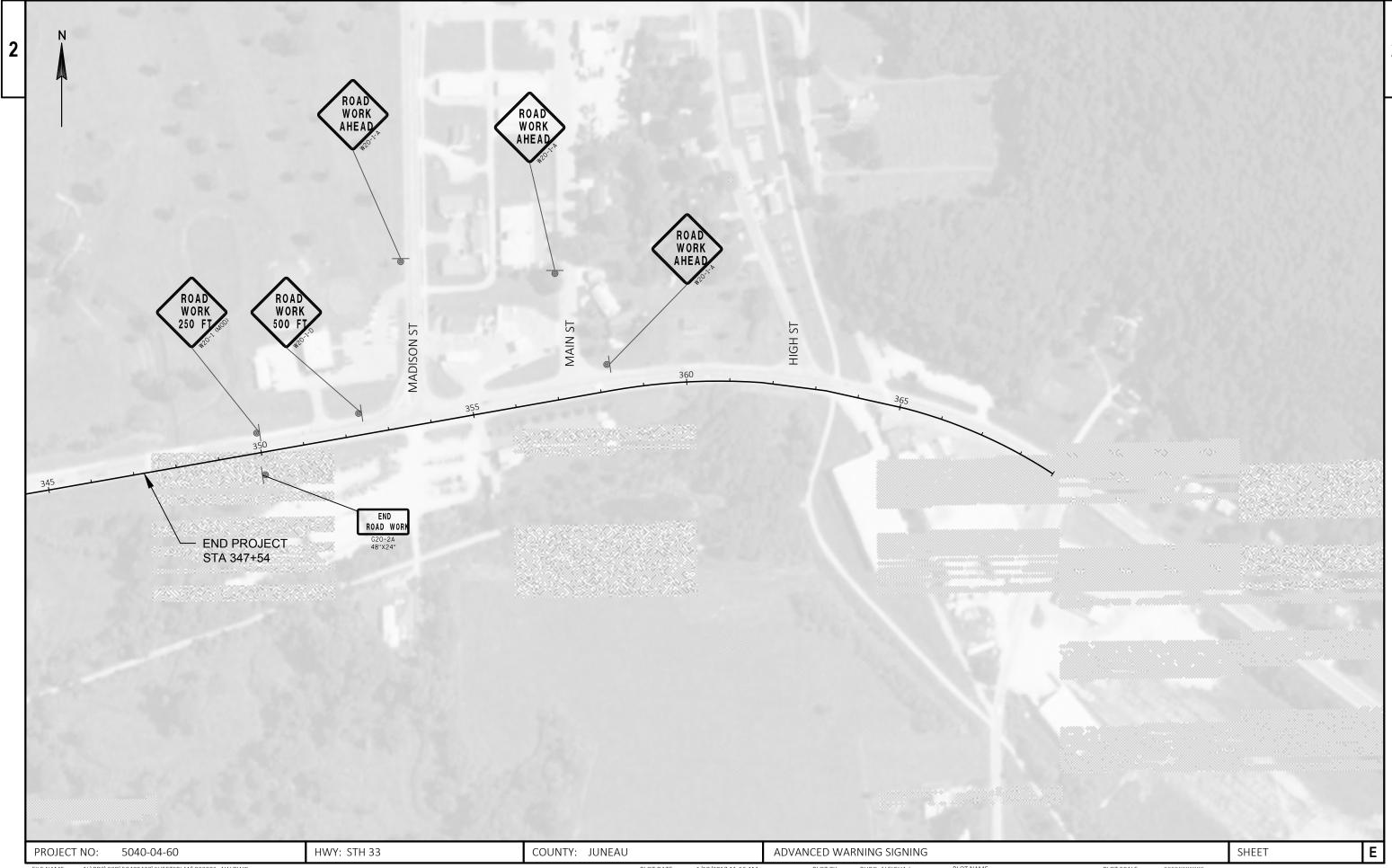


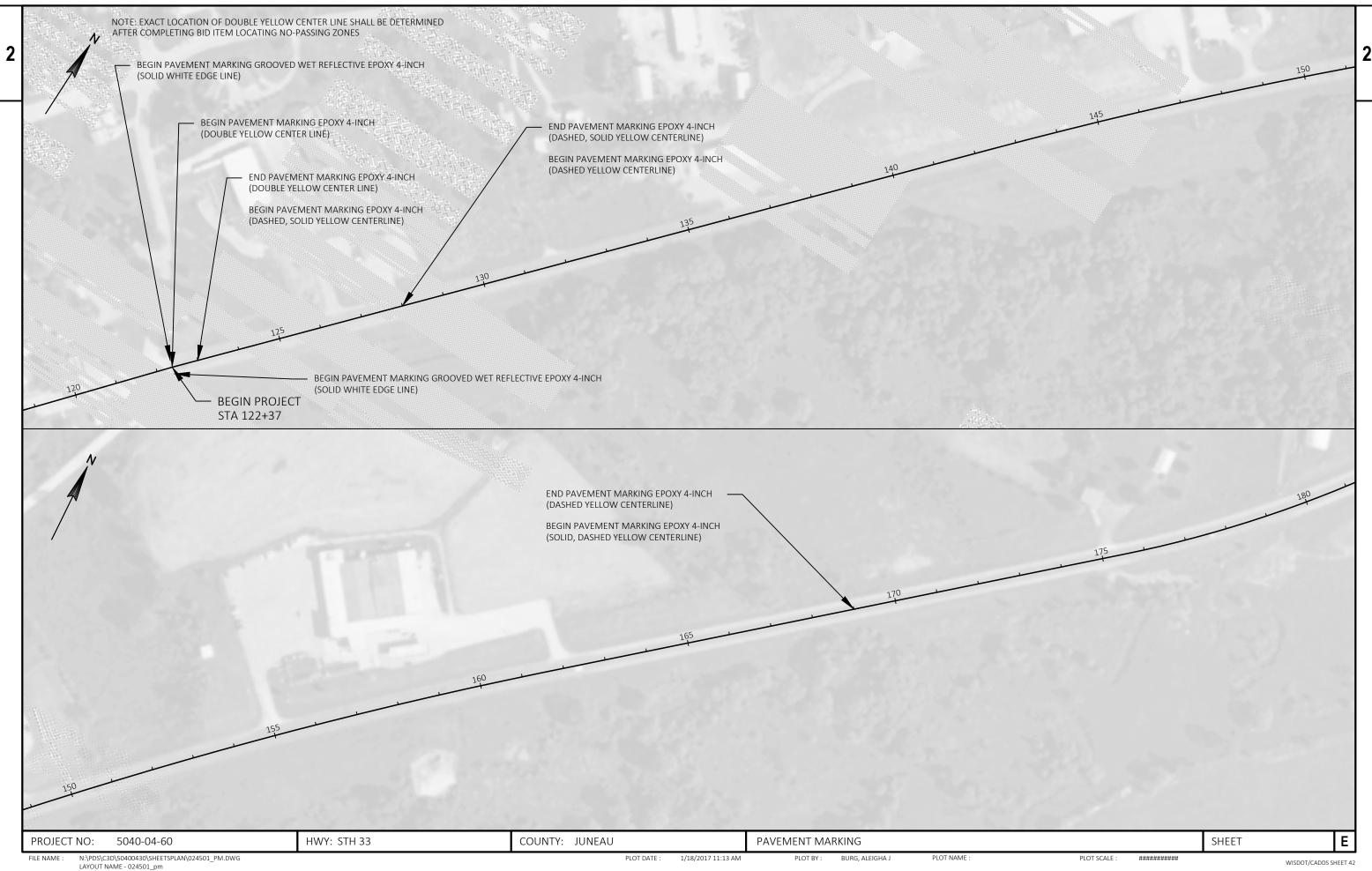




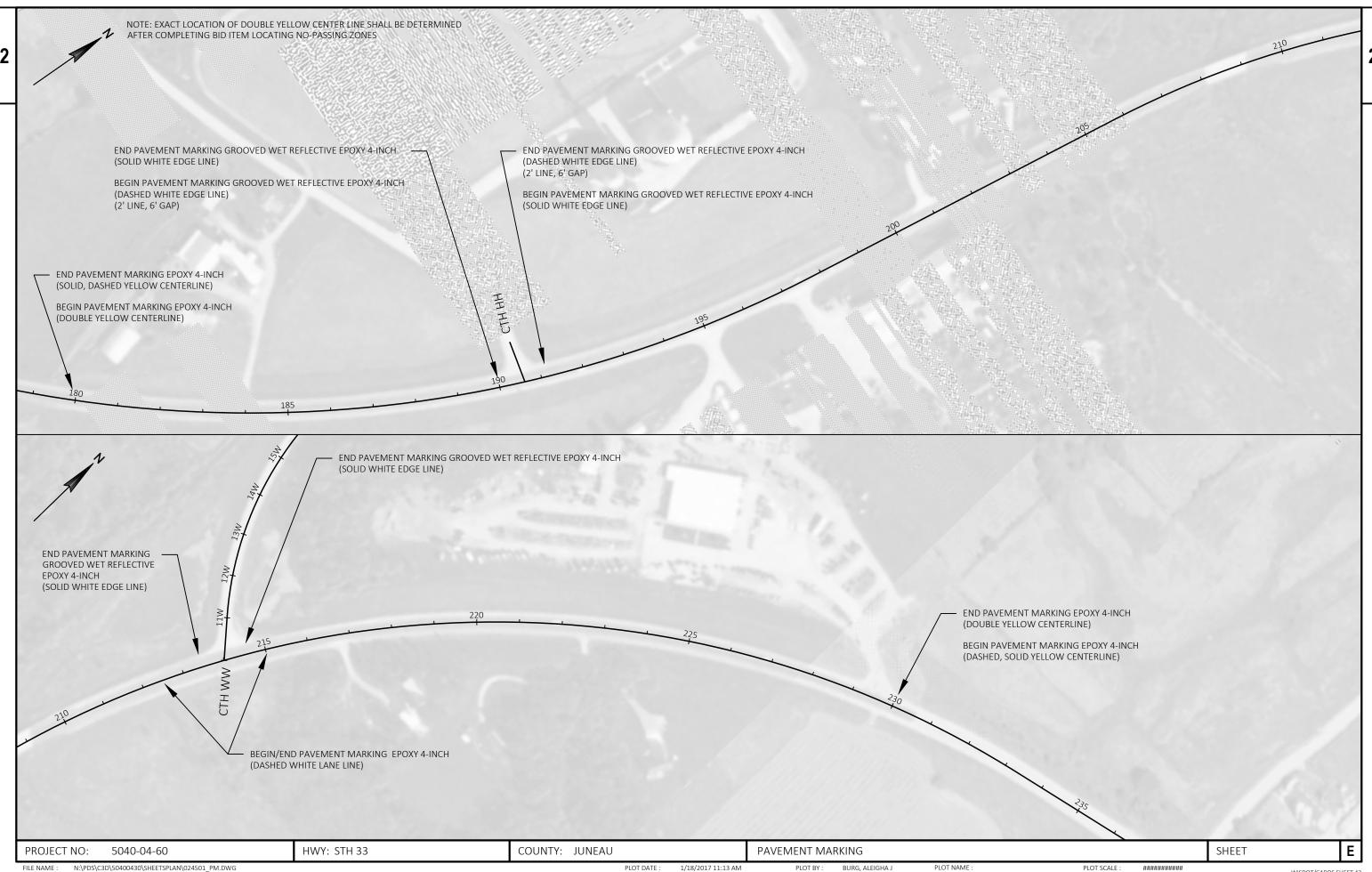


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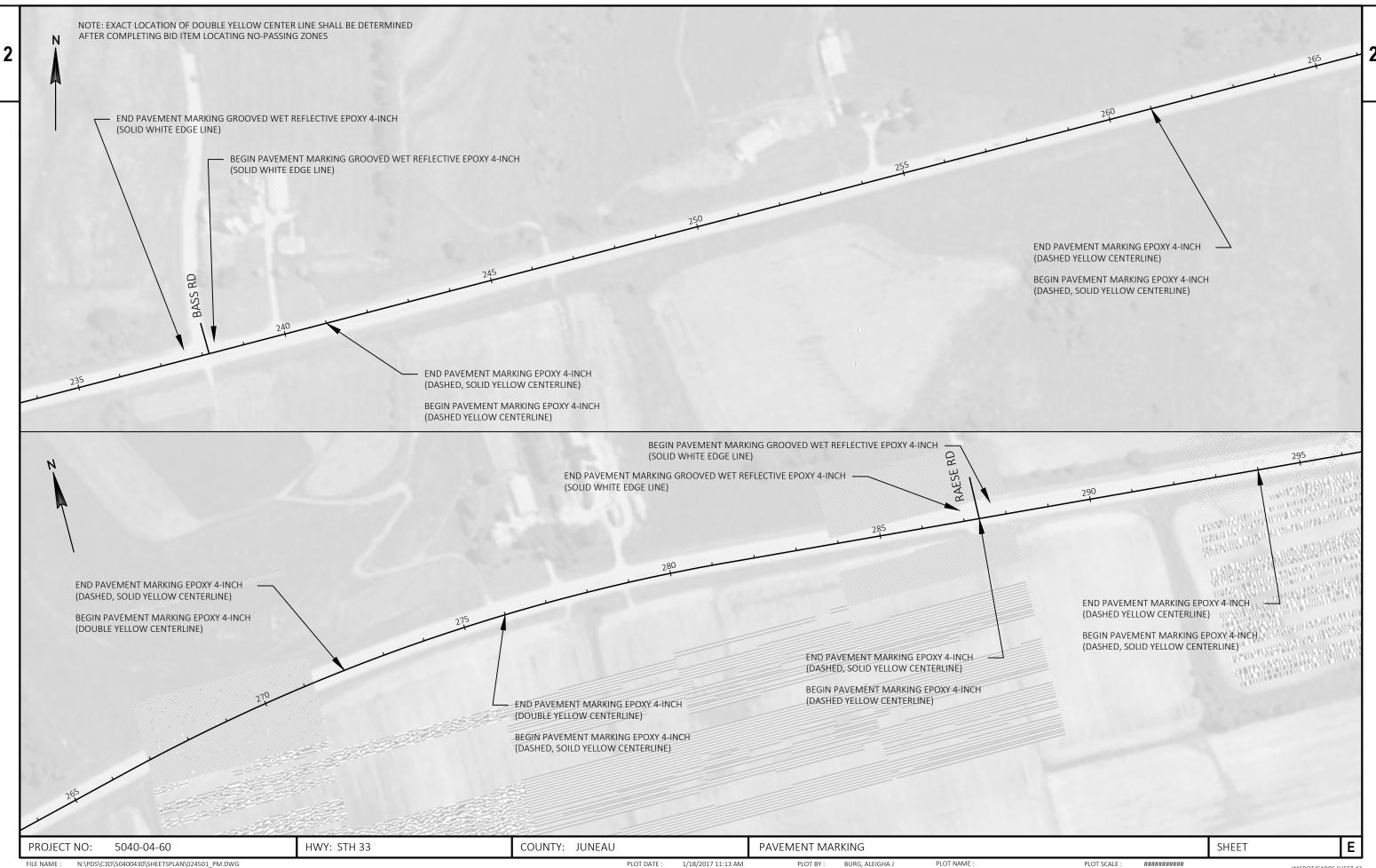




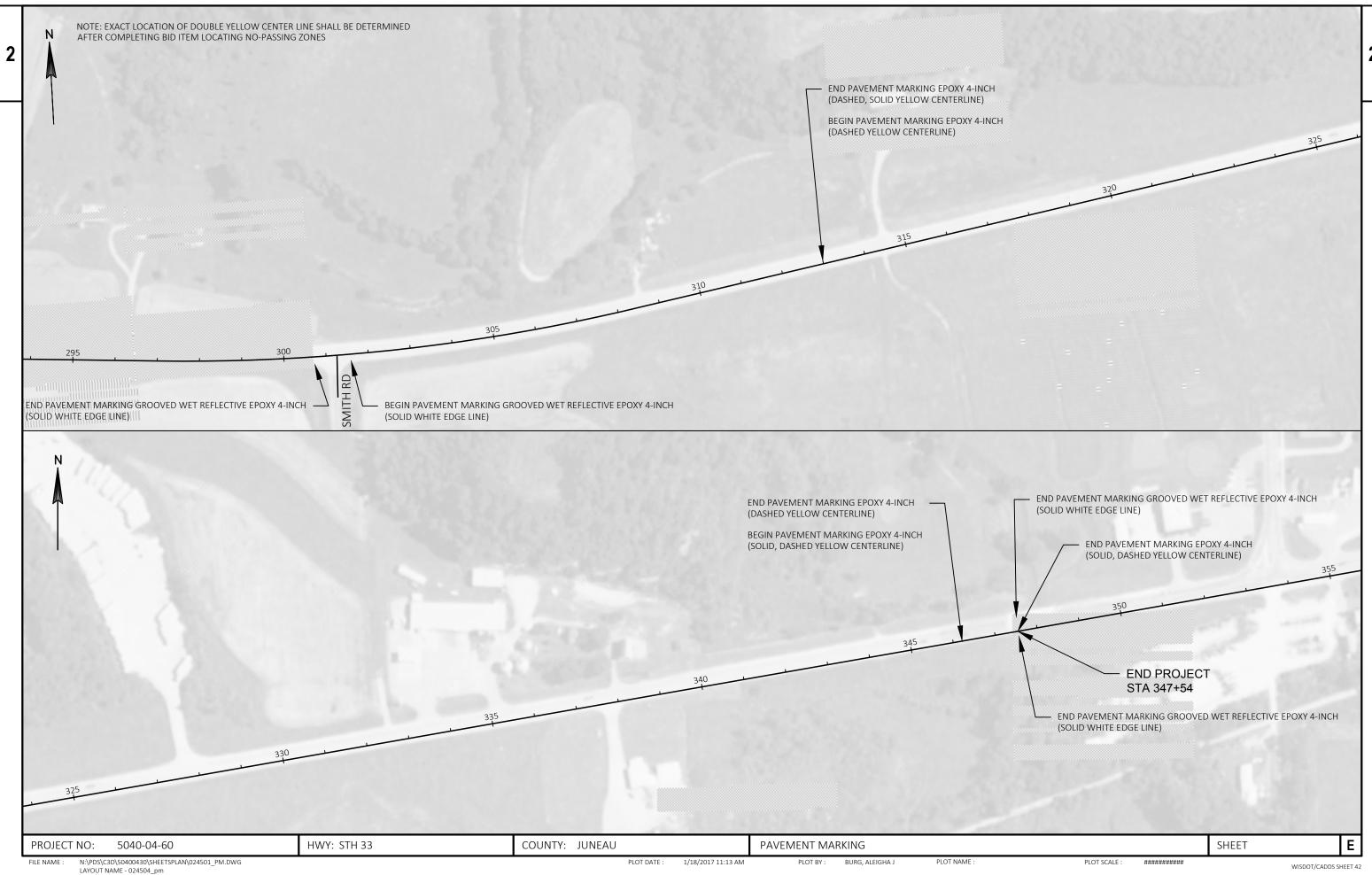
WISDOT/CADDS SHEET 42



N:\PDS\C3D\50400430\SHEETSPLAN\024501\_PM.DWG LAYOUT NAME - 024502\_pm WISDOT/CADDS SHEET 42



N:\PDS\C3D\50400430\SHEETSPLAN\024501\_PM.DWG LAYOUT NAME - 024503\_pm WISDOT/CADDS SHEET 42



					5040-04-60	
Line	Item	Item Description	Unit	Total	Qty	
0010	204.0115	Removing Asphaltic Surface Butt Joints	SY	40.000	40.000	
0020	204.0120	Removing Asphaltic Surface Milling	SY	83,643.000	83,643.000	
0030	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	336.000	336.000	
0040	213.0100	Finishing Roadway (project) 01. 5040-04-60	EACH	1.000	1.000	
0050	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,890.000	3,890.000	
0060	440.4410	Incentive IRI Ride	DOL	16,982.000	16,982.000	
0070	455.0605	Tack Coat	GAL	6,484.400	6,484.400	
0080	460.2000	Incentive Density HMA Pavement	DOL	7,490.000	7,490.000	
0090	460.5224	HMA Pavement 4 LT 58-28 S	TON	11,662.000	11,662.000	
0100	465.0475	Asphalt Center Line Rumble Strips 2-Lane Rural	LF	17,452.000	17,452.000	
0110	614.0920	Salvaged Rail	LF	845.000	845.000	
0120	614.2300	MGS Guardrail 3	LF	1,050.000	1,050.000	
0130	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000	
0140	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5040-04-60	EACH	1.000	1.000	
0150	619.1000	Mobilization	EACH	1.000	1.000	
0160	624.0100	Water	MGAL	1.000	1.000	
0170	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000	
0180	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000	
0190	628.2004	Erosion Mat Class I Type B	SY	25.000	25.000	
0200	629.0210	Fertilizer Type B	CWT	0.020	0.020	
0210	630.0120	Seeding Mixture No. 20	LB	0.700	0.700	
0220	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	43.000	43.000	
0230	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	26.000	26.000	
0240	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	1.000	1.000	
0250	637.2210	Signs Type II Reflective H	SF	415.650	415.650	
0260	637.2230	Signs Type II Reflective F	SF	82.000	82.000	
0270	638.2102	Moving Signs Type II	EACH	2.000	2.000	
0280	638.2602	Removing Signs Type II	EACH	56.000	56.000	
0290	638.3000	Removing Small Sign Supports	EACH	68.000	68.000	
0300	642.5001	Field Office Type B	EACH	1.000	1.000	
0310	643.0100	Traffic Control (project) 01. 5040-04-60	EACH	1.000	1.000	
0320	643.0300	Traffic Control Drums	DAY	108.000	108.000	
0330	643.0900	Traffic Control Signs	DAY	700.000	700.000	
0340	646.0106	Pavement Marking Epoxy 4-Inch	LF	22,216.000	22,216.000	
0350	646.0600	Removing Pavement Markings	LF	11,077.000	11,077.000	
0360	646.2304.S	Pavement Marking Grooved Wet Reflective Epoxy 4-Inch	LF	44,637.000	44,637.000	
0370	648.0100	Locating No-Passing Zones	MI	4.260	4.260	
0380	649.0402	Temporary Pavement Marking Paint 4-Inch	LF	11,077.000	11,077.000	

## Estimate Of Quantities Page 2

					5040-04-60
Line	Item	Item Description	Unit	Total	Qty
0390	650.8000	Construction Staking Resurfacing Reference	LF	22,517.000	22,517.000
0400	650.9910	Construction Staking Supplemental Control (project) 01. 5040-04-60	LS	1.000	1.000
0410	SPV.0180	Special 01. REMOVING DISTRESSED PAVEMENT MILLING	SY	1,784.000	1,784.000

REMOVI NG	ASPHALTI C	SURFACE	BUTT	JOI NTS

					204. 0115	
CATEGORY	STATI ON	T0	STATI ON	LOCATI ON	SY	REMARKS
•						_
0010	122+37	-	122+39	MAI NLI NE	10	BEGIN PROJEECT
0010	208+10	-	208+12	MAI NLI NE	10	WEST END OF B-62-25
0010	209+10	-	209+12	MAI NLI NE	10	EAST END OF B-62-25
0010	347+52	-	347+54	MAI NLI NE	10	END PROJECT
				TOTAL 0010	40	

#### REMOVING ASPHALTIC SURFACE MILLING

					204. 0120	
CATEGORY	STATI ON	T0	STATI ON	LOCATI ON	SY	REMARKS
0010	122+37	_	162+50	RT/LT	19619	
0010	162+50	_	164+00	RT/LT	617	HMA Shoulder Width Taper
0010	164+00	-	175+15	RT/LT	3717	
0010	175+15	-	180+21	RT/LT	2080	
0010	180+21	-	205+55	RT/LT	8447	
0010	205+55	-	208+12	RT/LT	1256	
0010	209+10	-	215+50	LT	1564	
0010	209+10	-	216+42	RT	1789	
0010	216+42	-	346+07	RT	21608	
0010	215+50	-	346+07	LT	21762	
0010	346+07	-	347+54	RT/LT	721	
0010	122+37	-	347+54	RT/LT	463	DRIVEWAYS AND SIDE ROADS
						_
				TOTAL 0010	83643	-

#### PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

					211. 0400	
CATEGORY	STATI ON	T0	STATI ON	LOCATI ON	STA	REMARKS
0010	164+00	-	175+15	RT/LT	22	
0010	175+15	-	180+21	LT	5	
0010	180+21	-	205+55	RT/LT	51	
0010	216+42	-	346+07	RT	130	
0010	218+54	-	346+07	LT	128	
				TOTAL 0010	336	•

## BASE AGGREGATE DENSE 3/4-INCH

					305. 0110	
CATEGORY	STATI ON	T0	STATI ON	LOCATI ON	TON	REMARKS
0010	122+37	-	347+54	RT/LT	3890	SHOULDER
				T0TAL 0010	3890	=

## TACK COAT

					455. 0605	
CATEGORY	STATI ON	T0	STATI ON	LOCATI ON	GAL	REMARKS
0010	122+37	-	162+50	RT/LT	1373	
0010	162+50	-	164+00	RT/LT	43	
0010	164+00	_	175+15	RT/LT	260	
0010	175+15	-	150+21	RT/LT	158	
0010	180+21	-	205+55	RT/LT	591	
0010	205+55	_	216+42	RT	186	
0010	205+55	-	218+54	LT	222	
0010	216+42	-	346+07	RT	1815	
0010	218+54	-	346+07	LT	1786	
0010	346+07	-	347+54	RT/LT	50	
				TOTAL 0010	6484	=

## HMA PAVEMENT 4 LT 58-28 S

460. 5224

CATEGORY	STATI ON	T0	STATI ON	LOCATI ON	TON	REMARKS
0010	122+37	-	162+50	RT/LT	2197	DRIVING LANES AND SHOULDERS
0010	162+50	-	164+00	RT/LT	69	DRIVING LANES
0010	162+50	-	164+00	RT/LT	10	SHOULDER WIDENING TAPERS
0010	164+00	-	175+15	RT/LT	416	DRIVING LANES
0010	164+00	-	175+15	RT/LT	146	SHOULDERS
0010	175+15	_	180+21	LT	94	DRIVING LANE AND SHOULDER
0010	175+15	_	180+21	LT	33	SHOULDER WI DENI NG
0010	175+15	_	180+21	RT	139	DRIVING LANE AND SHOULDER
0010	180+21	_	205+55	RT/LT	946	DRIVING LANES
0010	180+21	-	205+55	RT/LT	331	SHOULDERS
0010	205+55	_	208+12	RT/LT	141	DRIVING LANE AND SHOULDER
0010	209+10	-	215+50	LT	175	DRIVING LANE AND SHOULDER
0010	209+10	-	216+42	RT	200	DRIVING LANE AND SHOULDER
0010	215+50	-	218+54	LT	46	SHOULDER WIDENING AT GUARDRAIL
0010	215+50	_	218+54	LT	57	DRIVING LANE AND SHOULDER
0010	216+42	-	346+07	RT	2420	DRIVING LANE AND SHOULDER
0010	216+42	_	346+07	RT	847	SHOULDER WI DENI NG
0010	218+54	_	346+07	LT	2381	DRIVING LANE AND SHOULDER
0010	218+54	_	346+07	LT	833	SHOULDER WI DENI NG
0010	346+07	-	347+54	RT/LT	81	DRIVING LANES AND SHOULDERS
0010	122+37	-	162+50	RT/LT	100	DISTRESSED PAVEMENT REPAIR
				TOTAL 0010	11662	•

PROJECT NO: 5040-04-60 HWY: STH 33 COUNTY: JUNEAU MISCELLANEOUS QUANTITIES SHEET: **E** 

#### ASPHALT CENTER LINE RUMBLE STRIPS 2-LANE RURAL

#### 465. 0475 CATEGORY STATION TO STATION LOCATI ON LF REMARKS 0010 122+37 - 125+50 CENTERLI NE 313 0010 128+80 - 135+40 CENTERLI NE 660 0010 137+40 - 146+30 CENTERLI NE 890 0010 149+85 - 154+00 CENTERLI NE 415 0010 156+00 - 161+00 CENTERLI NE 500 0010 163+00 - 188+60 CENTERLI NE 2560 CTH HH 0010 192+60 - 194+00 CENTERLI NE 198+35 -0010 200+00 CENTERLI NE 165 0010 202+00 - 207+85 CENTERLI NE 585 209+35 - 212+00 CENTERLI NE 0010 265 CTH WW 0010 216+00 - 228+50 CENTERLI NE 1250 0010 231+50 - 236+15 465 BASS RD CENTERLI NE 0010 240+15 - 285+30 CENTERLI NE 4515 RAESE RD 0010 289+30 -299+20 CENTERLI NE 990 SMITH RD 0010 303+20 -332+30 CENTERLI NE 2910 0010 339+00 - 347+29 CENTERLI NE 829 T0TAL 0010 17452

#### SALVAGED RAIL

					614. 0920	
CATEGORY	STATI ON	TO	STATI ON	LOCATI ON	LF	REMARKS
0010	175+50	-	179+30	RT	405	STH 33
0010	214+00	-	217+98	LT	440	CTH WW
						_
				T0TAL 0010	845	=

#### MGS GUARDRAIL 3

					614. 2300	
CATEGORY	STATI ON	T0	STATI ON	LOCATI ON	LF	REMARKS
0010	175+68	-	179+68	RT	400	
0010	10+84W	-	13+47W	LT	262. 5	CTH WW
0010	214+43		214+76	LT	62. 5	STH 33/CTH WW RADIUS
0010	214+76	-	218+01	LT	325	STH 33
				TOTAL 0010	1050	

### MGS GUARDRAIL TERMINAL EAT

					614. 2610	
CATEGORY	STATI ON	T0	STATI ON	LOCATI ON	EACH	REMARKS
•						_
0010	175+15	-	175+68	RT	1	STH 33
0010	179+68	-	180+21	RT	1	STH 33
0010	13+47W	-	14+00W	RT	1	CTH WW
0010	218+01	-	218+54	LT	1	STH 33
						_
				TOTAL 0010	4	•

#### **WATER**

					624. 0100	
CATEGORY	STATI ON	T0	STATI ON	LOCATI ON	MGAL	REMARKS
0010	122+37	-	347+54	RT/LT	1	BASE AGGREGATE DENSE
				TOTAL 0010	1	

#### EROSION CONTROL

					628. 2004		630. 0120	
					EROSION MAT	629. 021	SEEDI NG	
					CLASS I	FERTI LI ZER	MI XTURE	
					TYPE B	TYPE B	NO. 20	
CATEGORY	STATI ON	T0	STATI ON	LOCATI ON	SY	CWT	LB	REMARKS
0010	14+15W	-	217+50	LT	25	0. 02	0. 7	STH 33/CTH WW
				TOTAL 0010	25	0. 02	0. 7	

#### MOBILIZATIONS EROSION CONTROL

					628. 1905	
CATEGORY	STATI ON	T0	STATI ON	LOCATI ON	EACH	REMARKS
0010	122+37	-	347+54	RT/LT	2	PROJECT LIMITS
				TOTAL 0010	2	

### MOBILIZATIONS EMERGENCY EROSION CONTROL

					628. 1910	
CATEGORY	STATI ON	T0	STATI ON	LOCATI ON	EACH	REMARKS
0010	122+37	-	347+54	RT/LT	1	PROJECT LIMITS
				TOTAL 0010	1	

PROJECT NO: 5040-04-60 HWY: STH 33 COUNTY: JUNEAU MISCELLANEOUS QUANTITIES SHEET: **E** 

## PERMANENT SIGNING

-	SIGN	APPROX		SI GN			CI 7F	634. 0614 POSTS WOOD 4X6-I NCH	POSTS WOOD 4X6-I NCH	634. 0618 POSTS WOOD 4X6-I NCH	637. 2210 SI GNS TYPE I I	637. 2230 SI GNS TYPE I I	MOVI NG SI GNS	638. 2602 REMOVING SIGNS	638. 3000 REMOVI NG SMALL SI GN SUPPORTS	
CATEGORY	NO NO	STATI ON	LOCATI ON	CODE	DESCRI PTI ON	MESSAGE	SIZE IN X IN	14-FT EACH	16-FT EACH	18-FT EACH	REFLECTIVE H SF	REFLECTIVE F SF	TYPE II EACH	TYPE II EACH	EACH	REMARKS
0010	1-01R	121+15	LT	R2-1	SPEED LIMIT (25)	25	24 X 30			LACII			LACII	1		REWIARRS
0010	1-010	121+13	LT	R2-1	SPEED LIMIT (25)	25	24 X 30	1			5. 00					
0010	1-02	121+50	LT	J13-2	DI RECTI ONAL ASSEMBLY	FF, HH	48 X 45	1			15. 00					
0010	1-03	122130	L1	313-2	DIRECTIONAL ASSEMBLI	LEFT ARROW, RIGHT ARROW										
0010	1-04R	122+50	LT	J13-1	DI RECTIONAL ASSEMBLY	HH	24 X 45							1	1	
0010	1 0 110	122100		310 1	DIRECTIONAL ACCEMBET	RI GHT ARROW										
0010	1-05R	122-50	LT	R2-1	SPEED LIMIT (25)	25	24 X 30							1	1	
0010	1-06	123+00	RT	R2-1	SPEED LIMIT (35)	35	24 X 30	1			5. 00					
0010	1-07R	123+00	RT	R2-1	SPEED LIMIT (35)	35	24 X 30							1	1	
0010	1-08R	123+00	RT	I 55-56	ADOPT A HIGHWAY	AMERICAN LEGION	30 X 36							1	1	
						P0ST 223										
						HI LLSBORO										
0010	1-09R	125+00	LT	D7-95-L	STATE TRAIL (LEFT ARROW)	HI LLSBORO	54 X 36							1	1	
						STATE TRAIL										
0010	1-10	125+00	LT	D7-95-L	STATE TRAIL (LEFT ARROW)	HI LLSBORO	54 X 36		2		13. 50					
						STATE TRAIL										
0010	1-11	125+00	RT	J4-3	REASSUREANCE ASSEMBLY	EAST, NORTH, EAST	72 X 36	2			18. 00					
						33, 80 , 82										
0010	1-12R	125+00	RT	J4-3	REASSUREANCE ASSEMBLY	EAST, NORTH, EAST	72 X 36							1	2	
					W0.V5W0.0	33, 80 , 82										
0010	1-13R	126+00	LT	SP	WONEWOC	BIKE ROUTE, LEFT ARROW	66 X 15				7.50			1	1	
0010	1-14	126+50	RT	I 55-56	ADOPT A HIGHWAY	AMERICAN LEGION	30 X 36	1			7. 50					
						POST 223										
0010	1-15	127+00	LT	D1-1	DESTINATION ARROW (LEFT ARROW)	HI LLSBORO WONEWOC	 66 X 15	2			4 00					
0010	1-15	127+00	RT	W14-3	NO PASSING ZONE PENNANT	wordewoc	48 X 36		1		6. 88	6. 00				
0010	1-17R	128+00	RT	R2-1	SPEED LIMIT (35)	33	24 X 30							1	1	INCLUDES 1-18R
0010	1-18R	128+00	RT	W14-3	NO PASSING ZONE PENNANT		48 X 36									I NCLUDED WITH 1-17R
0010	1-19	129+00	LT	R2-1	SPEED LIMIT (35)	35	24 X 30	1			5. 00					THOUSES III III T TAK
0010	1-20R	129+00	LT	R2-1	SPEED LIMIT (35)	35	24 X 30							1	1	
0010	1-21	130+00	RT	R2-1	SPEED LIMIT (35)	35	24 X 30	1			5. 00					
0010	1-22R	131+00	LT	J1-2	JUNCTION ASSEMBLY	JCT, JCT	48 X 39							2	2	
						HH, FF										
0010	1-23	132+00	LT	J1-2	JUNCTION ASSEMBLY	JCT, JCT	48 X 39	1			13.00					
						HH, FF										
0010		132+50	RT	D2-1	DESTINATION DISTANCE	UNI ON CENTER 5	90 X 15	2			9. 38					
0010	1-25R	132+50	RT	D2-1	DESTINATION DISTANCE	UNI ON CENTER 5	90 X 15							1	2	
0010	1-26R	134+00	LT	SP	ALTERNATE SIDE PARKING									1	1	
0010	1-27	135+00	LT	R2-1	SPEED LIMIT (35)	35	24 X 30	1			5. 00					
0010	1-28R	135+00	LT	R2-1	SPEED LIMIT (35)	35	24 X 30							1	1	
0010	1-29R	135+00	RT	R2-1	SPEED LIMIT (35)	35 	24 X 30							1	1	
0010	1-30	139+00	RT	R2-1	SPEED LIMIT (55)	55	24 X 30	1			5. 00					
0010	1-31R	139+00	RT	R2-1	SPEED LIMIT (55)	55	24 X 30							1	1	
0010	1-32	139+00	LT	R2-1	SPEED LIMIT (35)	35	24 X 30	1			5. 00					
0010	1-33R	139+00	LT	R2-1	SPEED LIMIT (35)	35	24 X 30							1	1	
0010	1-34R	141+00	LT	12-3	POPULATION SIGN	HI LLSBORO	66 X 24							1	2	
0010	1-35	142+25	LT	12-3	POPULATION SIGN	POPULATI ON 1417 HI LLSBORO	 66 V 24				11 00					
0010	1-35	142+23	LI	1∠-3	PUPULATIUN SIGN	POPULATI ON 1417	66 X 24	2			11. 00					
						FOR OLATION 1417										

CONTINUED ON NEXT PAGE

PROJECT NO: 5040-04-60 HWY: STH 33 COUNTY: JUNEAU MISCELLANEOUS QUANTITIES SHEET: **E** 

#### PERMANENT SIGNING

	SI GN	APPROX		SI GN			SI ZE	634. 0614 POSTS WOOD 4X6-I NCH 14-FT	POSTS WOOD	634. 0618 POSTS WOOD 4X6-I NCH 18-FT	637. 2210 SIGNS TYPE II REFLECTIVE H	637. 2230 SIGNS TYPE II REFLECTIVE F	638. 2102 MOVI NG SI GNS TYPE I I	638. 2602 REMOVING SIGNS TYPE II	638. 3000 REMOVI NG SMALL SI GN SUPPORTS	
CATEGORY	NO	STATI ON	LOCATI ON	CODE	DESCRI PTI ON	MESSAGE	INXIN	EACH	EACH	EACH	SF	SF	EACH	EACH	EACH	REMARKS
0010	1-36R	143+00	LT	W3-5	SPEED LIMIT (35) AHEAD	35	36 X 36							1	1	
0010	1-37	144+25	LT	W3-5	SPEED LIMIT (35) AHEAD	35	36 X 36	1				9. 00				
0010	1-38M	147+00	LT	SP	NO ENGINE BRAKING	WI THI N							1			MOVE FROM 145+00 TO 147+00
					EXCEPT IN EMERGENCY	VILLAGE LIMITS										
0010	1-39	170+00	LT	W14-3	NO PASSING ZONE PENNANT		48 X 36		1			6. 00				
0010	1-40R	174+00	LT	W14-3	NO PASSING ZONE PENNANT		48 X 36							1	1	
0010	2-01R	180+00	RT	J1-1	JUNCTI ON ASSEMBLY	JCT	24 X 39							1	1	
0010	2 02	100.70	DT	11 1	HINCTI ON ACCEMBLY	HH										
0010	2-02	180+60	RT	J1-1	JUNCTION ASSEMBLY	JCT HH	24 X 39	1			6. 50					
0010	2-03	188+00	LT	J4-3	REASSUREANCE ASSEMBLY	нн WEST, SOUTH, WEST	72 X 36		2		 18. 00					
0010	2-03	166+00	LI	J4-3	REASSUREANCE ASSEMBLY	33, 80, 82	72 X 30				16.00					
0010	2-04R	188+00	LT	J4-3	REASSUREANCE ASSEMBLY	WEST, SOUTH, WEST	72 X 36							1	2	
0010	2-0410	100100		34-3	REASSUREANCE ASSEMBET	33, 80, 82	72 X 30									
0010	2-05	190+00	RT	J13-1	DI RECTIONAL ASSEMBLY	HH	24 X 45	1			7. 50					
						LEFT ARROW										
0010	2-06R	190+00	RT	J13-1	DI RECTI ONAL ASSEMBLY	HH	24 X 45							1	1	
						LEFT ARROW										
0010	2-07	189+75	LT	J13-3	DI RECTIONAL ASSEMBLY	33, 80, 82	72 X 45		2		22. 50					СТН НН
						DBL ARROW, DBL ARROW, DBL A	RROW									
0010	2-08R	189+75	LT	J13-3	DIRECTIONAL ASSEMBLY	33, 80, 82	72 X 45							1	2	CTH HH
						DBL ARROW, DBL ARROW, DBL A										
0010	2-09	190+00	LT	R1-1	STOP		30 X 30	1			5. 18					CTH HH
0010	2-10R	190+00	LT	R1-1	STOP STOP		30 X 30							1	1	CTH HH
0010	2-11	190+50	RT	W1-7	TWO DIRECTION LARGE ARROW		48 X 24	1				8. 00				
0010	2-12R	190+50	RT	W1-7	TWO DIRECTION LARGE ARROW	 HH	48 X 24 24 X 45	 1			 7 FO			1	1	
0010	2-13	191+00	LT	J13-1	DI RECTI ONAL ASSEMBLY	пп RIGHT ARROW	24 X 45				7. 50					
0010	2-14R	191+00	LT	J13-1	DIRECTIONAL ASSEMBLY	HH	24 X 45							1	1	
0010	2-141	171100		313-1	DIRECTIONAL ASSEMBLE	RI GHT ARROW	24 X 43									
0010	2-15	193+00	RT	J4-3	REASSUREANCE ASSEMBLY	EAST, NORTH, EAST	72 X 36		2		18.00					
00.0		.,0,00		0.0		33, 80, 82										
0010	2-16R	193+00	RT	J4-3	REASSUREANCE ASSEMBLY	EAST, NORTH, EAST	72 X 36							1	2	
						33, 80, 82										
0010	2-17R	199+00	LT	J1-1	JUNCTION ASSEMBLY	JCT	24 X 39							1	1	
						HH										
0010	2-18	200+00	LT	J1-1	JUNCTION ASSEMBLY	JCT	24 X 39	1			6. 50					
						HH										
0010	2-19R	201+00	RT	W14-3	NO PASSING ZONE PENNANT		48 X 36							1	1	
0010	2-20	204+00	RT	J1-1	JUNCTION ASSEMBLY	JCT	24 X 39	1			6. 50					
						WW										
0010	2-21R	205+00	RT	J1-1	JUNCTION ASSEMBLY	JCT	24 X 39							1	1	
0010		205 00		Wa 4 O	NO DACCINO ZONE DENNANT	WW										
0010	2-22R	205+00	LT	W14-3	NO PASSING ZONE PENNANT	 WEST SOUTH WEST	48 X 36				10.00			1	1	
0010 0010	2-23	212+00	LT	J4-3	REASSUREANCE ASSEMBLY	WEST, SOUTH, WEST 33, 80, 82	72 X 36		2		18. 00					
0010	2-24R	212+00	LT	J4-3	REASSUREANCE ASSEMBLY	WEST, SOUTH, WEST	72 X 36							1	2	
0010	2-24K	212+00	LI	34-3	REASSUREANCE ASSEMBLY	33, 80, 82	72 X 30									
-						33, 33, 32										

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L	PROJECT NO: 5040-04-60	HWY: STH 33	COUNTY: JUNEAU	MISCELLANEOUS QUANTITIES	L SHEET:	Е
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## PERMANENT SIGNING

_CATEGO	SIGN RY NO	APPROX STATI ON	LOCATI ON	SI GN CODE	DESCRI PTI ON	MESSAGE	SIZE IN X IN	634. 0614 POSTS WOOD 4X6-I NCH 14-FT EACH	634. 0616 POSTS WOOD 4X6-I NCH 16-FT EACH	634. 0618 POSTS WOOD 4X6-I NCH 18-FT EACH	637. 2210 SI GNS TYPE II REFLECTI VE H SF	637. 2230 SI GNS TYPE I I REFLECTI VE F SF	638. 2102 MOVI NG SI GNS TYPE II EACH	638. 2602 REMOVING SIGNS TYPE II EACH	638. 3000 REMOVI NG SMALL SI GN SUPPORTS EACH	REMARKS	
0010	2-25	213+00	RT	J13-1	DIRECTIONAL ASSEMBLY	WW	24 X 45	1			7. 50						
						LEFT ARROW											
0010	2-26R	213+00	RT	J13-1	DIRECTIONAL ASSEMBLY	WW	24 X 45							1	1		
						LEFT ARROW											
0010	2-27	10+30W	LT	J13-3	DI RECTI ONAL ASSEMBLY	33, 30, 82	72 X 45		2		22. 50					CTH WW	
		40.00			D. D	DBL ARROW, DBL ARROW, DBL AR										0.711 11111	
0010	2-28R	10+30W	LT	J13-3	DIRECTIONAL ASSEMBLY	33, 30, 82	72 X 45							1	2	CTH WW	
0010	0.00	10.20		D1 1	CTOD	DBL ARROW, DBL ARROW, DBL AR					 5 10					CTIL MAN	
0010	2-29	10+30W	LT LT	R1-1	STOP STOP		30 X 30	1			5. 18			1	1	CTH WW	
0010 0010	2-30R	10+30W 214+00	RT	R1-1 W1-7	TWO DIRECTION LARGE ARROW		30 X 30 48 X 24	 1				 8. 00				CTH WW	
0010	2-31 2-32R	214+00	RT	W1-7 W1-7	TWO DIRECTION LARGE ARROW		48 X 24					8.00		1	1		
0010	2-32k 2-33	215+00	RT	J4-3	REASSUREANCE ASSEMBLY	EAST, NORTH, EAST	72 X 36		2		18. 00						
0010	2-33	213100	KI	34 3	REASSOREANOE ASSEMBLE	33, 80, 82	72 X 30										
0010	2-34R	215+00	RT	J4-3	REASSUREANCE ASSEMBLY	EAST, NORTH, EAST	72 X 36							1	2		
	2 0 110					33, 80, 82											
0010	2-35	215+00	LT	J13-1	DI RECTI ONAL ASSEMBLY		24 X 45	1			7. 50						
						RI GHT ARROW											
0010	2-36R	215+00	LT	J13-1	DIRECTIONAL ASSEMBLY		24 X 45							1	1		
						RI GHT ARROW											
0010	2-37	224+40	LT	J1-1	JUNCTION ASSEMBLY	JCT	24 X 39	1			6. 50						
						WW											
0010	2-38R	226+00	LT	J1-1	JUNCTION ASSEMBLY	JCT	24 X 39							1	1		
						WW											
0010	2-39	230+50	LT	12-2	VERNON CO		60 X 15	2			6. 25						
0010	2-40R	230+50	LT	12-2	VERNON CO		60 X 15							1	2		
0010	2-41	230+50	RT	12-2	JUNEAU CO		60 X 15	2			6. 25						
0010	2-42R	230+50	RT	12-2	JUNEAU CO		60 X 15							1	2		
0010	2-43R	232+00	RT	I 55-56	ADOPT A HIGHWAY	WONEWOC CENTER FFA	30 X 36							1	1		
0010	2-44R	232+00	LT	I 55-56	ADOPT A HIGHWAY	AMERICAN LEGION	30 X 36							 1	1		
0010	2-4410	232+00	LI	133-30	ADOFT A THORWAT	POST 223	30 X 30										
						HI LLSBORO											
0010	2-45	233+00	LT	I 55-56	ADOPT A HIGHWAY	AMERICAN LEGION	30 X 36		1		7. 50						<del>-</del>
0010	2 40	200100			ADDIT A THI OHMAT	POST 223					7.30						
						HI LLSBORO											
0010	2-46	233+00	RT	I 55-56	ADOPT A HIGHWAY	WONEWOC	30 X 36		1		7. 50						
						CENTER FFA											
0010	2-47R	235+00	RT	W14-3	NO PASSING ZONE PENNANT		48 X 36							1	1		
0010	3-01	237+75	LT	R1-1	STOP		30 X 30	1			5. 18					BASS RD	
0010	3-02R		LT	R1-1	STOP		30 X 30							1	1	BASS RD	

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PROJECT NO: 5040-04-60	HWY: STH 33	COUNTY: JUNEAU	MISCELLANEOUS QUANTITIES	SHEET:	E

## CONTINUED FROM PREVIOUS PAGE

#### PERMANENT SIGNING

634. 0614 634. 0616 634. 0618

								034.0014	034.0010	034.0010	(07.0040	/07 0000			050. 5000	
								POSTS	POSTS	POSTS	637. 2210	637. 2230	638. 2102	638. 2602	REMOVI NG	
								WOOD	WOOD	WOOD	SI GNS	SI GNS	MOVI NG	REMOVI NG	SMALL	
								4X6-I NCH	4X6-I NCH	4X6-I NCH	TYPE II	TYPE II	SI GNS	SI GNS	SIGN	
	SI GN	APPROX		SIGN			SI ZE	14-FT	16-FT	18-FT	REFLECTIVE H	REFLECTI VE F	TYPE II	TYPE II	SUPPORTS	
CATEGORY	NO	STATI ON	LOCATI ON	CODE	DESCRI PTI ON	MESSAGE	INXIN	EACH	EACH	EACH	SF	SF	EACH	EACH	EACH	REMARKS
0010	3-03	245+00	RT	W14-3	NO PASSING ZONE PENNANT		48 X 36		1			6. 00				_
0010	3-04	261+00	LT	W14-3	NO PASSING ZONE PENNANT		48 X 36		1			6.00				
0010	3-05	287+00	LT	R1-1	STOP		30 X 30	1			5. 18					RAESE RD
0010	3-06R	287+00	LT	R1-1	STOP		30 X 30							1	1	RAESE RD
0010	3-07	286+50	RT	W14-3	NO PASSING ZONE PENNANT		48 X 36		1			6.00				
0010	3-08	293+75	RT	W14-3	NO PASSING ZONE PENNANT		48 X 36		1			6.00				
0010	4-01	301+50	RT	R1-1	STOP		30 X 30	1			5. 18					SMI TH RD
0010	4-02R	301+50	RT	R1-1	STOP		30 X 30							1	1	SMI TH RD
0010	4-03	313+50	RT	W14-3	NO PASSING ZONE PENNANT		48 X 36		1			6. 00				
0010	4-04R	338+00	RT	W3-5	SPEED LIMIT (40) AHEAD	40	36 X 36							1	1	
0010	4-05M	339+00	RT	SP	NO ENGINE BREAKING	WI THI N							1			MOVE FROM 344+00 TO 339+00
0010	1 00111	007100		O.	EXCEPT IN EMERGENCY	VILLAGE LIMITS										MOVE THOM STITUS TO SOFTES
0010	4-06R	340+00	RT	J2-3	DI RECTI ONAL ASSEMBLY	NORTH, EAST, EAST	72 X 57							1	2	
0010	4 0010	340100	13.1	32 3	DIRECTIONAL ASSEMBLI	80, 82, 33	72 X 37									
						LEFT, LEFT, AHEAD										
0010	4-07	341+00	RT	W3-5	SPEED LIMIT (40) AHEAD	40	36 X 36		1			9. 00				
0010	4-07 4-08R	341+50	RT	W3-3 I 2-3	POPULATION SIGN	UNI ON CENTER	84 X 24					9.00		1	2	
0010	4-00K	341+30	KI	12-3	POPULATION SIGN	POPULATION 200								•		
0010	4 00	242.00		155 57	ADODT A LILCUMAY						7.50					
0010	4-09	342+00	LT	I 55-56	ADOPT A HIGHWAY	WONEWOC	30 X 36	1			7. 50					
	1 100	0.10.00		155 53	ADODT A ULOUBLAY	CENTER FFA										
0010	4-10R	342+00	LT	I 55-57	ADOPT A HIGHWAY	WONEWOC	30 X 36							1	1	
					D. DECT. 0111. 10051D. V	CENTER FFA										
0010	4-11	344+00	RT	J2-3	DIRECTIONAL ASSEMBLY	NORTH, EAST, EAST	72 X 57		1	1	28. 50					
						80, 82, 33										
						LEFT, LEFT, AHEAD										
0010	4-12R	334+00	LT	W14-3	NO PASSING ZONE PENNANT		48 X 36							1	1	
0010	4-13	334+00	LT	W14-3	NO PASSING ZONE PENNANT		48 X 36		1			6. 00				
0010	4-14	346+00	LT	R2-1	SPEED LIMIT (55)	55	24 X 30	1			5. 00					
0010	4-15R	346+00	LT	R2-1	SPEED LIMIT (55)	55	24 X 30							1	1	
0010	4-16	346+00	RT	R2-1	SPEED LIMIT (40)	40	24 X 30	1			5. 00					
0010	4-17R	346+00	RT	R2-1	SPEED LIMIT (40)	40	24 X 30							1	1	
0010	4-18	348+00	RT	12-3	POPULATION SIGN	UNI ON CENTER	84 X 24	2			14.00					
						POPULATION 200										
							TOTAL 0010	43	26	1	415. 65	82.00	2	56	68	

PROJECT NO: 5040-04-60 HWY: STH 33 COUNTY: JUNEAU MISCELLANEOUS QUANTITIES SHEET: E

FILE NAME : N:\PDS\...\030200\_mq.pptx PLOT BY : A.R.H. PLOT NAME : PLOT NAME : PLOT SCALE : 1:1

J

638. 3000

## PAVEMENT MARKING

CATEGORY	STATI ON	TO	STATI ON	LOCATI ON	PAVEMENT MARKI NG EPOXY 4-I NCH YELLOW LF	5. 0106  PAVEMENT  MARKI NG  EPOXY  4-I NCH  WHI TE  LF	 646. 0600 REMOVI NG PAVEMENT MARKI NGS LF	646. 2304. S PAVEMENT MARKI NG GROOVED WET REFLECTI VE EPOXY 4-I NCH WHI TE LF	649. 0402 TEMPORARY PAVEMENT MARKI NG PAI NT 4-I NCH YELLOW LF	REMARKS
0010	122+37	-	190+00	LT 				6763		EDGE LINE
0010	122+37	-	300+75	RT				17838		EDGE LINE
0010	122+37	-	123+00	CL	126					DOUBLE SOILD CENTERLINE
0010	123+00	-	128+00	CL	625					DASHED, SOLID CENTERLINE
0010	128+00	-	169+00	CL	1025					DASHED CENTER LINE
0010	169+00	_	180+00	CL	1375					SOLID, DASHED CENTERLINE
0010	180+00	_	230+00	CL	10000					DOUBLE SOLID CENTERLINE
0010	190+00	_	191+10	LT				28		DASHED EDGE LINE (2' LINE, 6' GAP) CTH HH
0010	191+10	-	213+50	LT				2240		EDGE LINE
0010	212+50	_	215+00	RT		63				DASHED LANE LINE CTH WW
0010	212+50	_	237+60	LT				2310		EDGE LINE
0010	230+00				1375			2310		
		-	241+00	CL						DASHED, SOLI D CENTERLI NE
0010	238+30	-	287+00	LT				4870		EDGE LINE
0010	287+70	_	347+54	LT				5984		EDGE LINE
0010	241+00	-	261+00	CL	500					DASHED CENTERLI NE
0010	261+00	-	272+00	CL	1375					DASHED, SOLI D CENTERLI NE
0010	272+00	-	276+00	CL	800					DOUBLE SOLID CENTERLINE
0010	276+00	-	287+35	CL	1419					DASHED, SOLI D CENTERLI NE
0010	287+35	-	294+00	CL	166					DASHED CENTERLI NE
0010	294+00	_	313+00	CL	2375					DASHED, SOLID CENTERLINE
0010	301+50	_	347+54	RT				4604		EDGE LINE
0010	313+00	_	346+25	CL	831					DASHED CENTERLINE
0010	346+25	_	347+54	CL	161					DASHED, SOLID CENTERLINE
0010	122+37	-	347+54	CL			11077		11077	REMOVING TEMP. CENTERLINE
			SUB	TOTAL 0010	22153	63	11077	44637	11077	•
				TOTAL 0010	22	216				

PROJECT NO: 5040-04-60 HWY: STH 33 COUNTY: JUNEAU MISCELLANEOUS QUANTITIES SHEET: **E** 

## TRAFFIC CONTROL

				SERVI CE PERI OD	643. 0300 TRAFFI C CONTROL DRUMS	643. TRAF CONT SIC	FIC TROL	
CATEGORY	LOCATI ON	SI GN CODE	MESSAGE	DAYS	NO DAY	NO	DAY	REMARKS
0010	STH 33	W20-1-A	ROAD WORK AHEAD	35		14	490	
0010	STH 33	W20-1 (MOD)	ROAD WORK 250 FT	35		2	70	
0010	STH 33	W20-1-D	ROAD WORK 500 FT	35		2	70	
0010	STH 33	G20-2A	END ROAD WORK	35		2	70	
0010	177+68			3	17 51			GUARDRAI L
0010	CTH WW			3	19 57			GUARDRAI L
				TOTAL 0010	108	<del></del>	700	=

## LOCATING NO-PASSING ZONES

# CATEGORY STATI ON TO STATI ON LOCATI ON 648. 0100 MI REMARKS 0010 122+37 347+54 RT/LT 4. 26 PROJECT LIMITS TOTAL 0010 4. 26

## CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT)

					650. 9910	
CATEGORY	STATI ON	T0	STATI ON	LOCATI ON	LS	REMARKS
0010	122+37	-	347+54		1	PROJECT LIMITS
				TOTAL 0010	1	

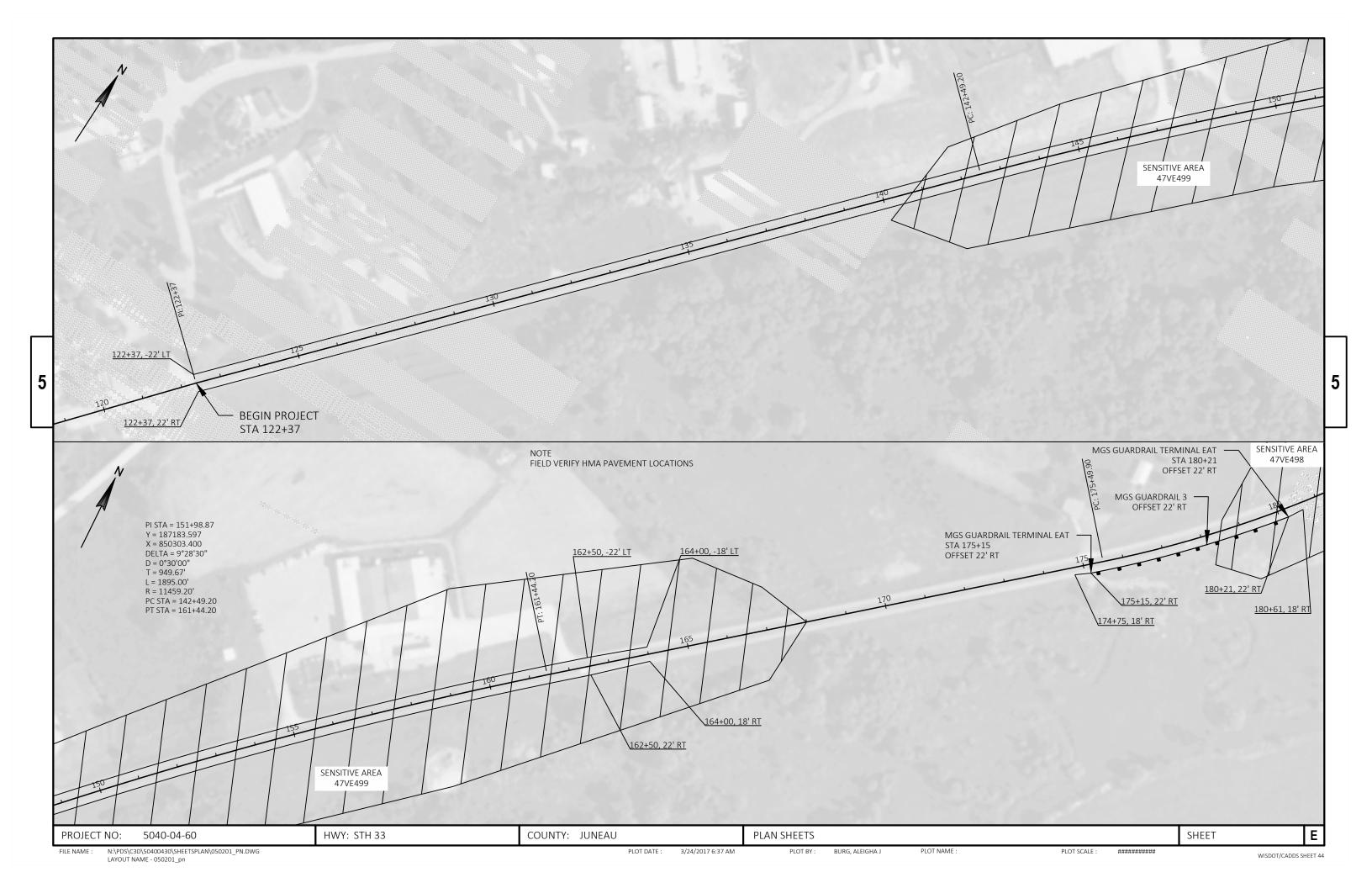
#### CONSTRUCTION STAKING RESURFACING REFERENCE

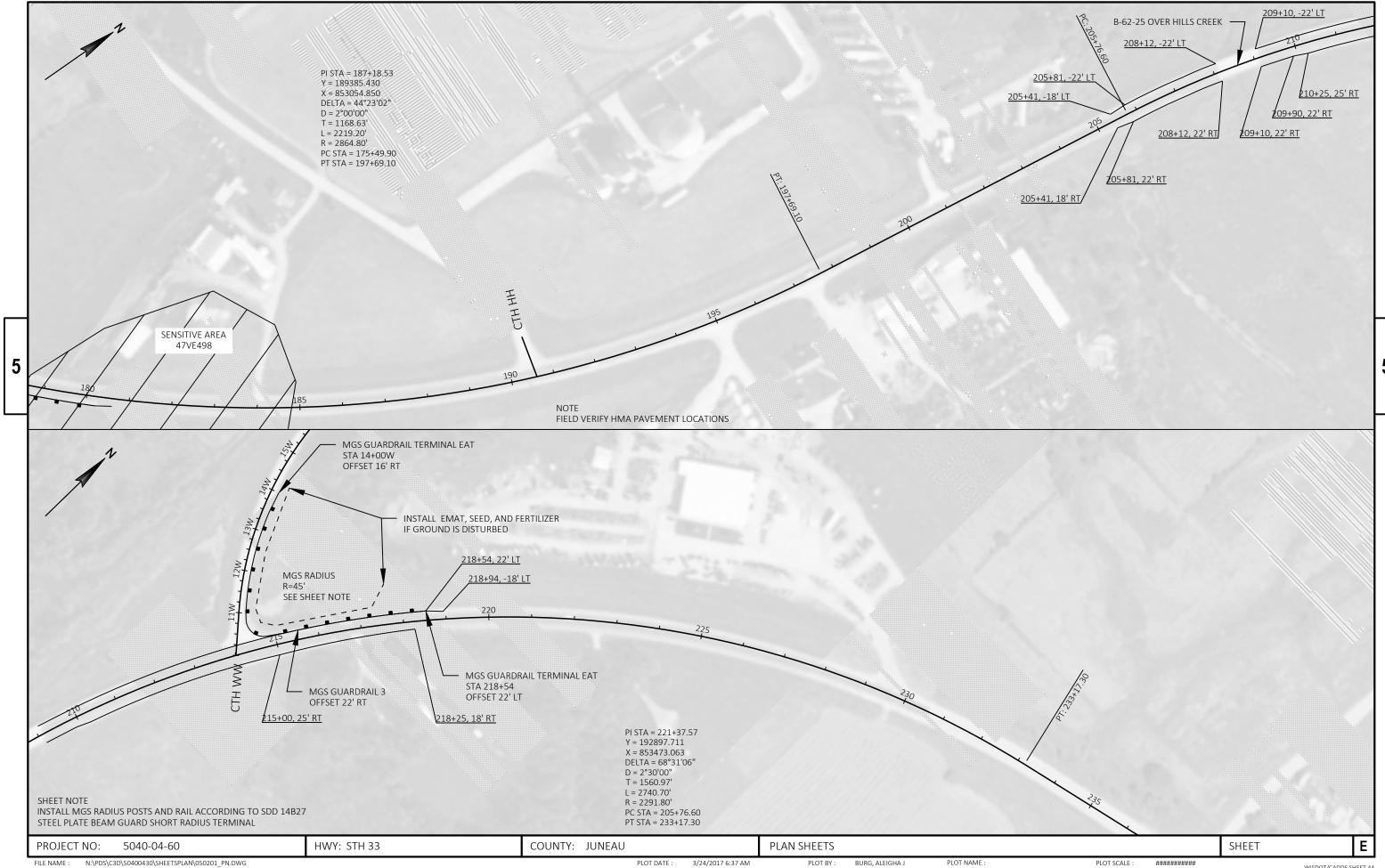
					650. 8000	
CATEGORY	STATI ON	TO	STATI ON	LOCATI ON	LF	REMARKS
0010	122+37	-	347+54	MAI NLI NE	22517	PROJECT LIMITS
				TOTAL 0010	22517	:

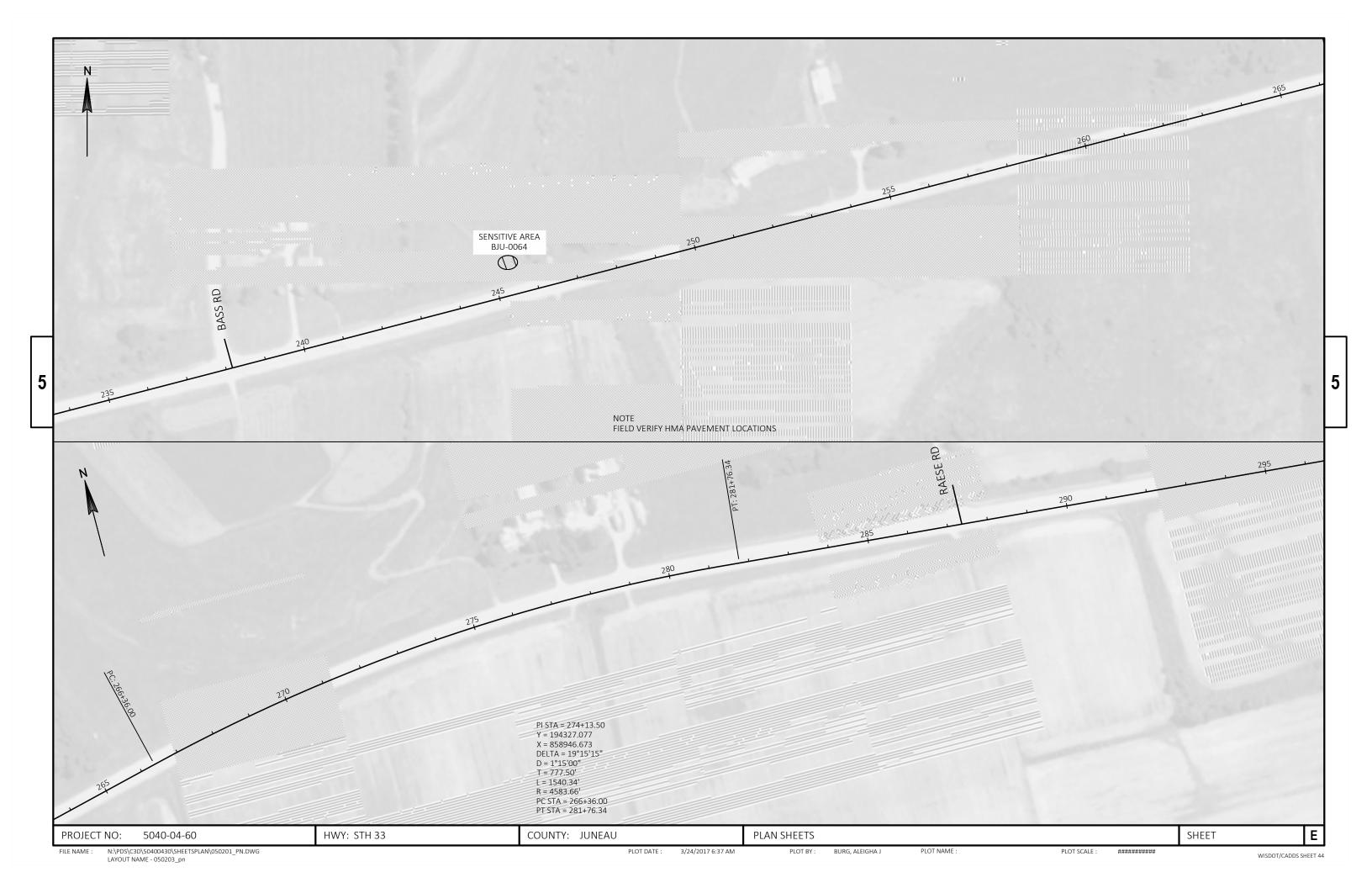
## SPECIAL 01. REMOVING DISTRESSED PAVEMENT MILLING

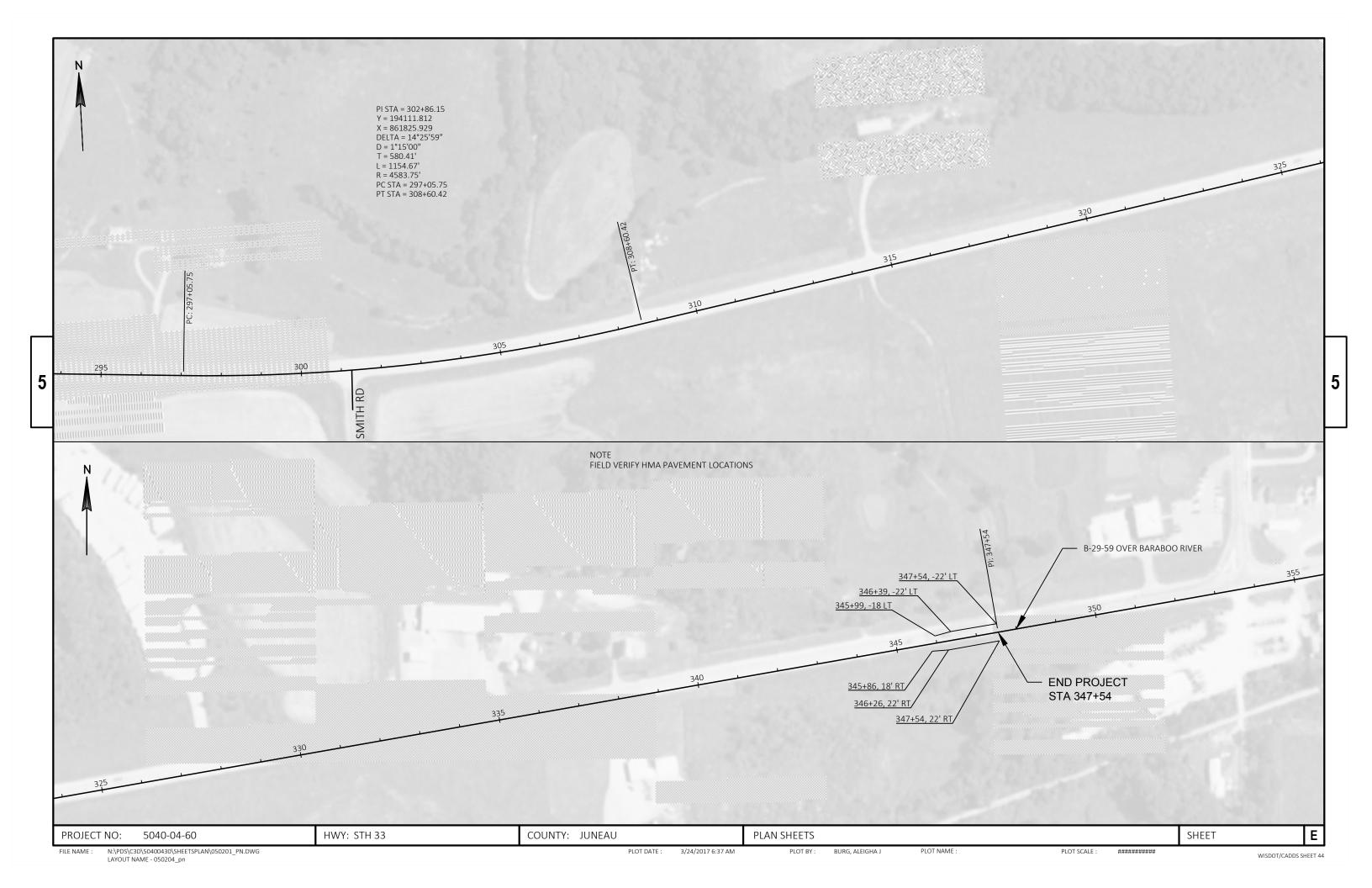
				SPV. 0180	
CATEGORY	STATION TO	STATI ON	LOCATI ON	SY	REMARKS
0010	122+37 -	162+50	RT/LT	1784	SHOULDERS
			TOTAL 0010	1784	•

PROJECT NO: 5040-04-60	HWY: STH 33	COUNTY: JUNEAU	MISCELLANEOUS QUANTITIES	SHEET:	Е
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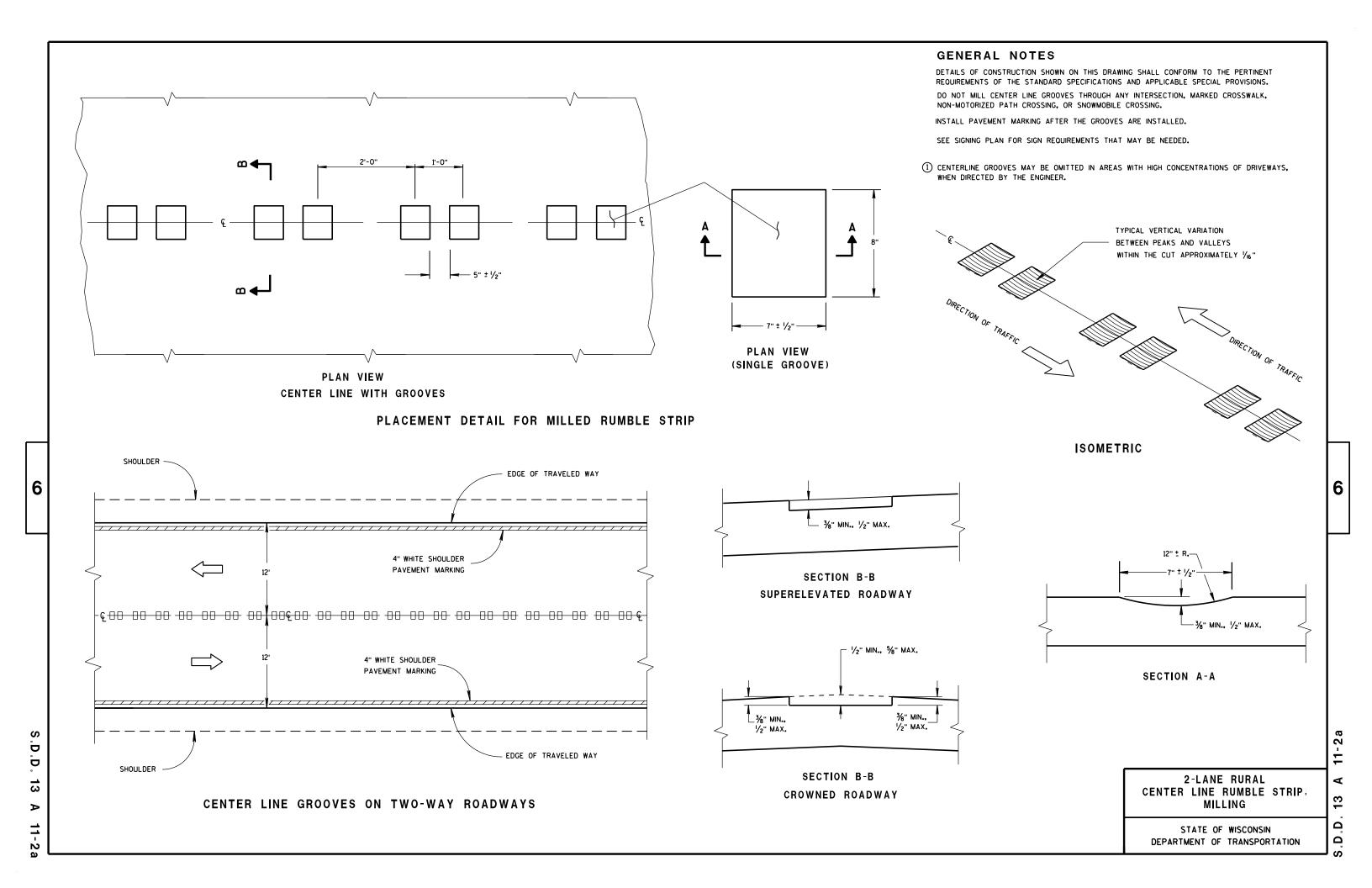


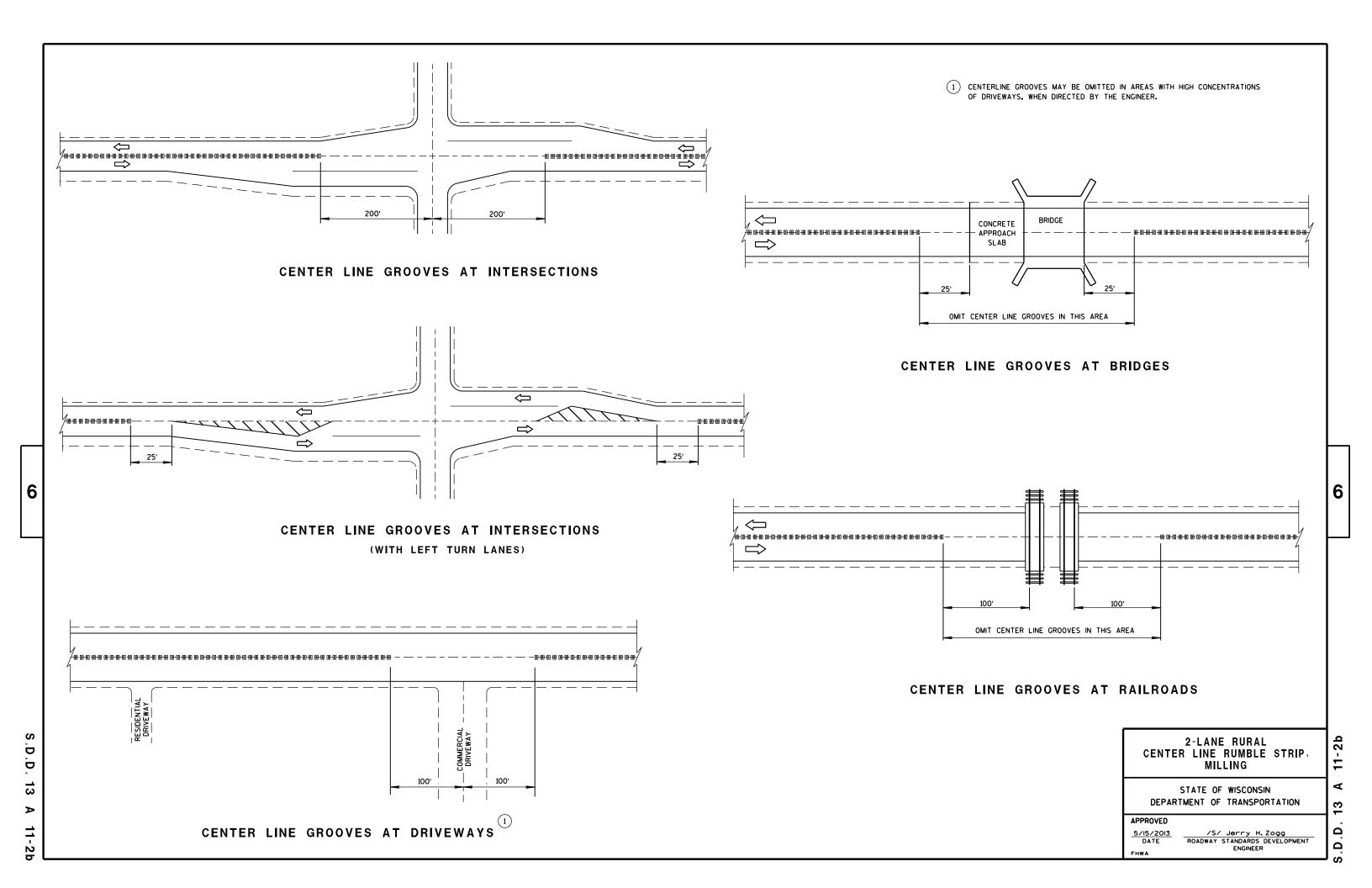




# Standard Detail Drawing List

13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14B27-01A	STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL
14B27-01B	STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL
14B27-01C	STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL
14B42-04A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-04B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-04C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-02A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C06-08	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-04A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15D28-03	TRAFFIC CONTROL. WORK ON SHOULDER OR PARKING LANE. UNDLVIDED ROADWAY





STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL

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## **GENERAL NOTES**

ALL ANGLES, CHANNELS, AND PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36 AND THE STRUCTURAL TUBING SHALL CONFORM TO ASTM A 500. WELDING SHALL MEET THE CURRENT REQUIREMENTS OF THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE ANSI/AWS D1.1. ALL STRUCTURAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 123. PUNCHING, DRILLING, CUTTING, OR WELDING WILL NOT BE PERMITTED AFTER GALVANIZING. FURNISH AND INSTALL HARDWARE PER STANDARD SPECIFICATION 614.2. UNLESS NOTED OTHERWISE.

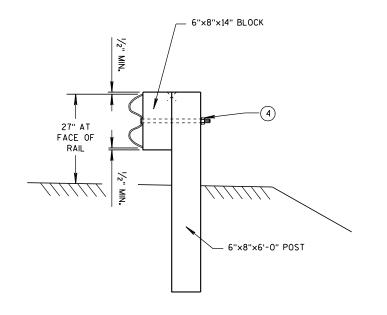
SHOP BEND CURVED RAIL SECTIONS.

SEE STANDARD DETAIL DRAWING 14 B 15 FOR OTHER DETAIL.

- (1) ON THE 8 FOOT RADIUS INSTALLATION, DO NOT INSTALL BUTTON HEAD BOLT AT CENTER CRT POST.
- 2) RADIUS FROM 8' 36'. SEE PLAN.
- 3 HEIGHT TRANSITION MAY BE REQUIRED. SEE PLAN OR PROJECT ENGINEER.
- (4) %" ø X 1'-6" BUTTON HEAD BOLT AND RECESS NUT WITH ROUND WASHER UNDER NUT.

RADIUS	NUMBER OF CRT POSTS	* NUMBER AND LENGTH OF CURVED RAILS	REQUIRED AREA FREE OF FIXED OBJECTS (LENGTH x WIDTH)
8'	5	1 at 12.5'	25' × 15'
16'	7	1 at 25'	30' × 15'
24'	9	1 at 25' and 1 at 12.5'	40' × 20'
32'	11	2 at 25'	50' × 20'

\* THE NUMBER OF RAILS IS BASED ON A 90° INTERSECTION. SEE PLAN FOR NON 90° INSTALLATIONS.



SECTION B-B (BEAM GUARD POST)

STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL

DEPARTMENT OF TRANSPORTATION

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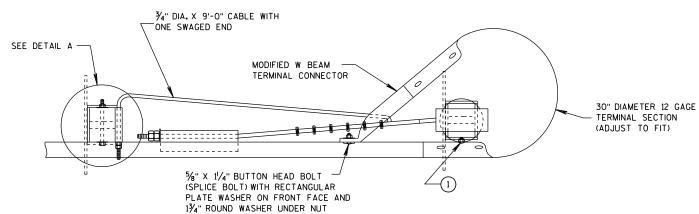
STATE OF WISCONSIN

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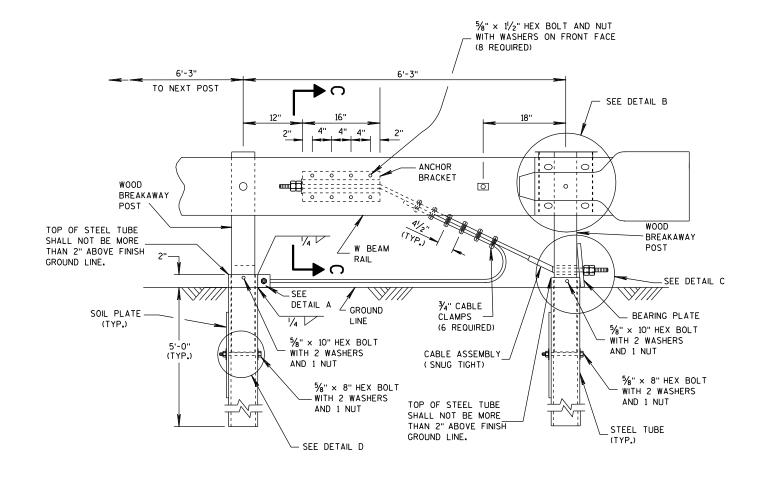
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#### **PLAN VIEW**



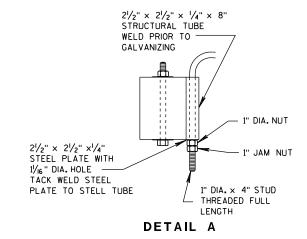
**ELEVATION VIEW** 

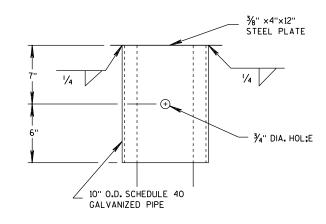
## STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL

## **GENERAL NOTES**

ATTACH W BEAM RAIL TO THE STEEL PIPE WITH A 5%" X 2" BUTTON HEAD BOLT WITH NO WASHER. CONNECTION TO THE POST IS NOT REQUIRED.

INSTALL GALVANIZED 3/4" (6X19) PREFORMED WIRE OR INDEPENDENT WIRE ROPE CORE CONFORMING TO AASHTO M 30. MANUFACTURE WIRE ROPE OUT OF IMPROVED PLOW STEEL WITH A MINIMUM BREAKING STRENGTH OF 42,800 PSI.

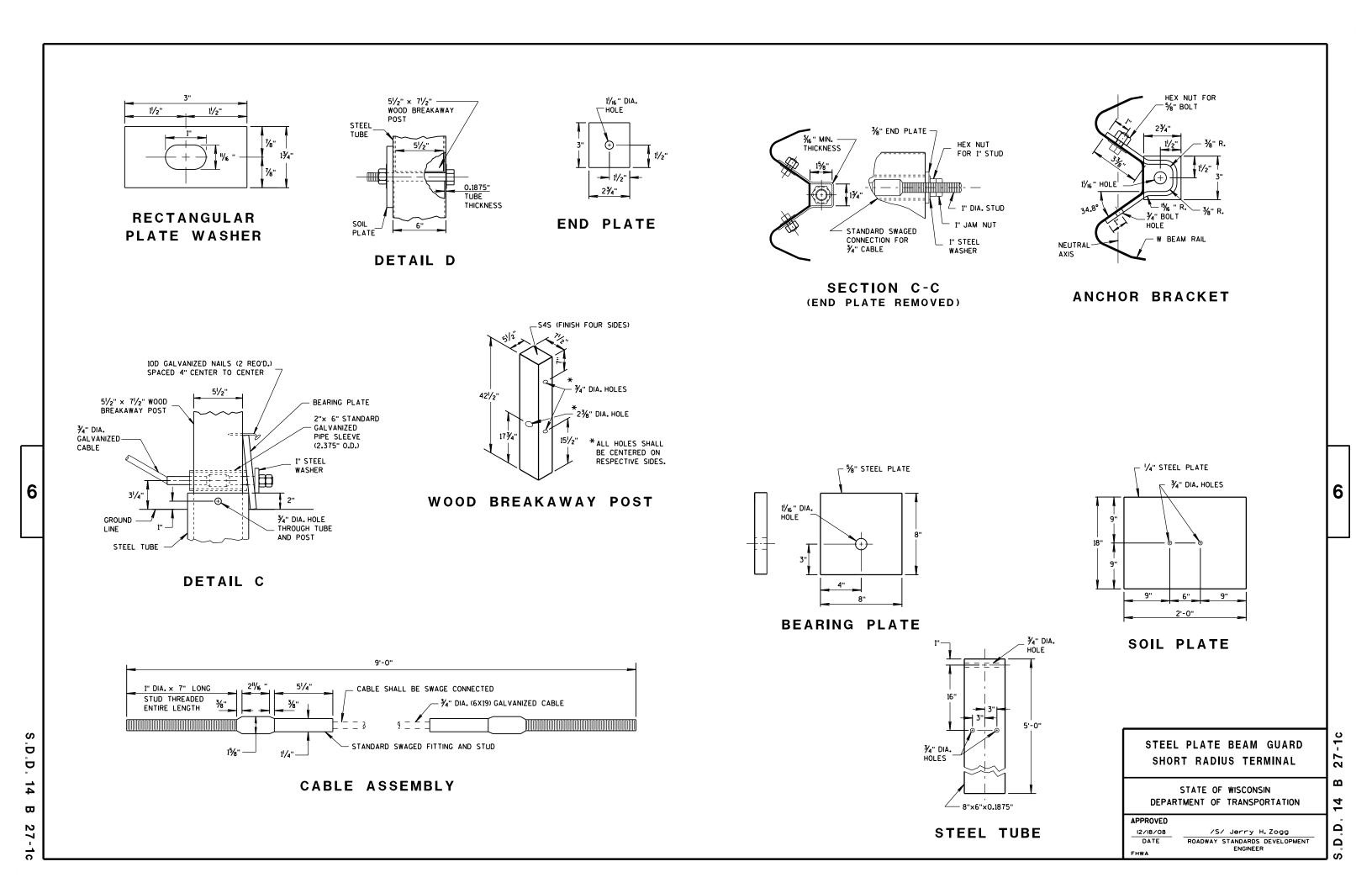




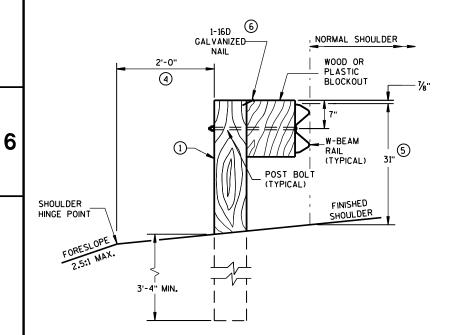
DETAIL B (BEAM GUARD AND TERMINAL SECTION NOT SHOWN)

STEEL PLATE BEAM GUARD SHORT RADIUS TERMINAL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

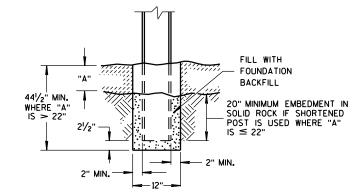


- 2 USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2½ INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- (4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- (5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 273/4" TO 32".
- (6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.



END VIEW

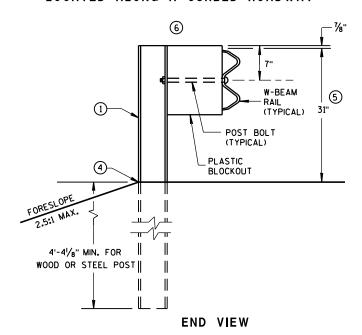
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



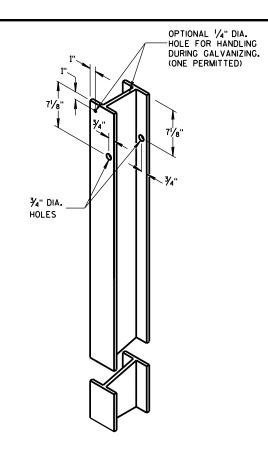
SETTING STEEL OR WOOD POST IN ROCK  $^{\scriptsize{\textcircled{3}}}$ 



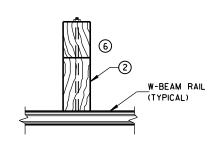
END VIEW
LOCATED ALONG A CURBED ROADWAY



MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



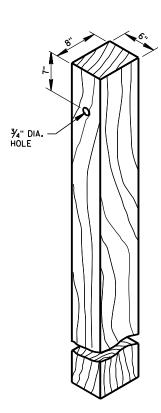
STEEL POST & HOLE PUNCHING DETAIL (w6X9)



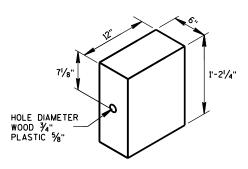
PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM



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



WOOD OR PLASTIC BLOCKOUT

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

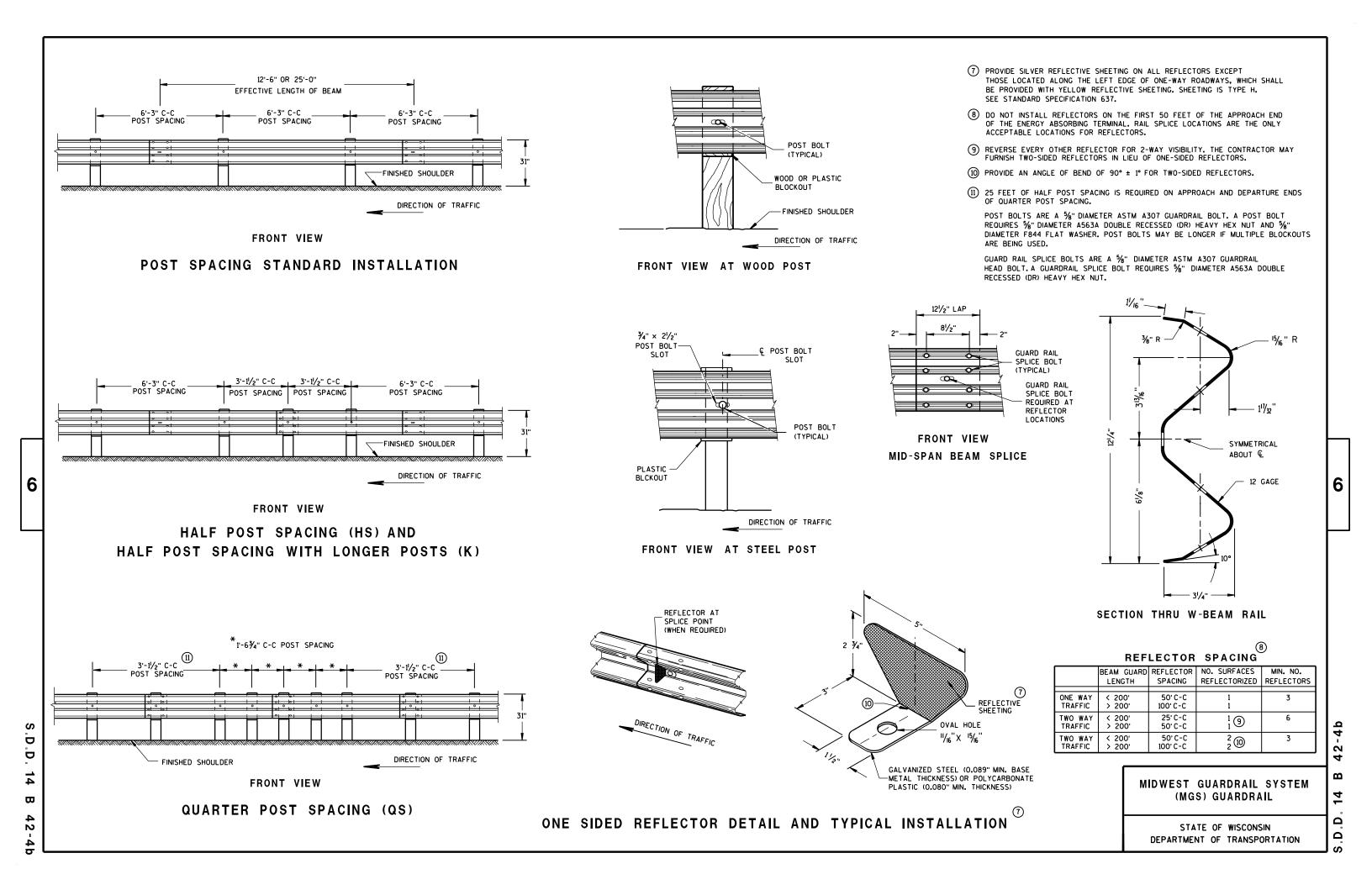
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 14 B 42-4a

D.D. 14 B

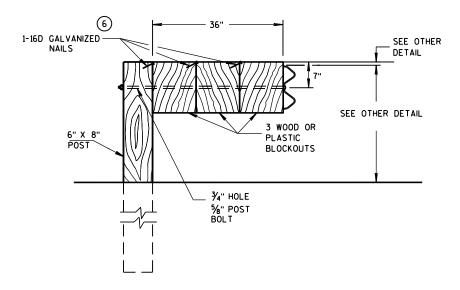
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## DETAIL FOR 16" BLOCKOUT DEPTH

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.

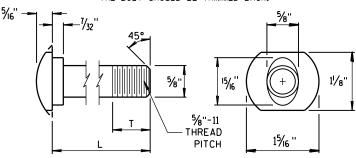


## DETAIL FOR 36" BLOCKOUT DEPTH

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.

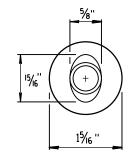
> DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

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.

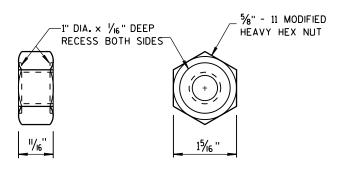


POST BOLT TABLE

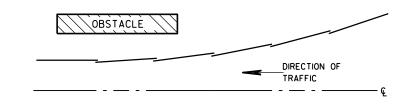
11/8"
1/8
13/4"
4"
4½ <sub>6</sub> "
4"
41/16"
4"



ALTERNATE BOLT HEAD

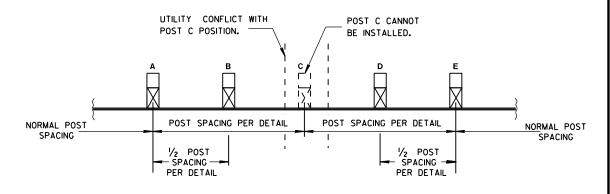


POST BOLT, SPLICE BOLT AND RECESS NUT



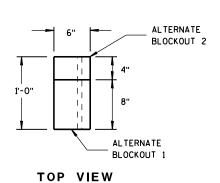
## **PLAN VIEW**

## **BEAM LAPPING DETAIL**



## POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

## ALTERNATE WOOD **BLOCKOUT DETAIL**

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

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## SECTION A-A SECTION B-B

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PLAN VIEW

## BILL OF MATERIALS

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



MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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## **GENERAL NOTES**

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

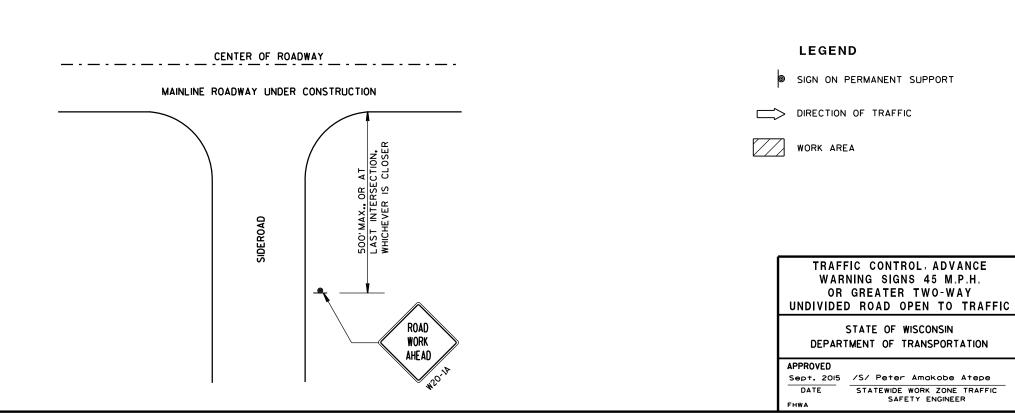
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

- \* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- \* PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



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SAFETY ENGINEER

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## **GENERAL NOTES**

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

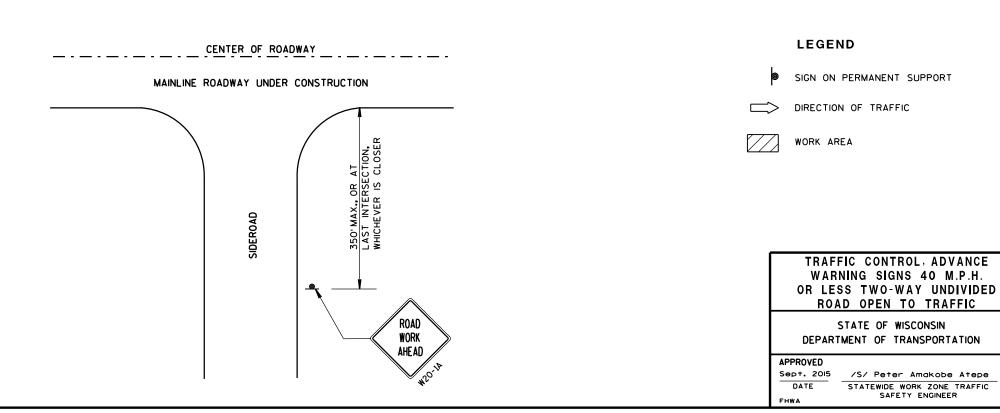
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"×36" SIGNS MAY BE USED INSTEAD OF 48"×48" SIGNS.

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

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

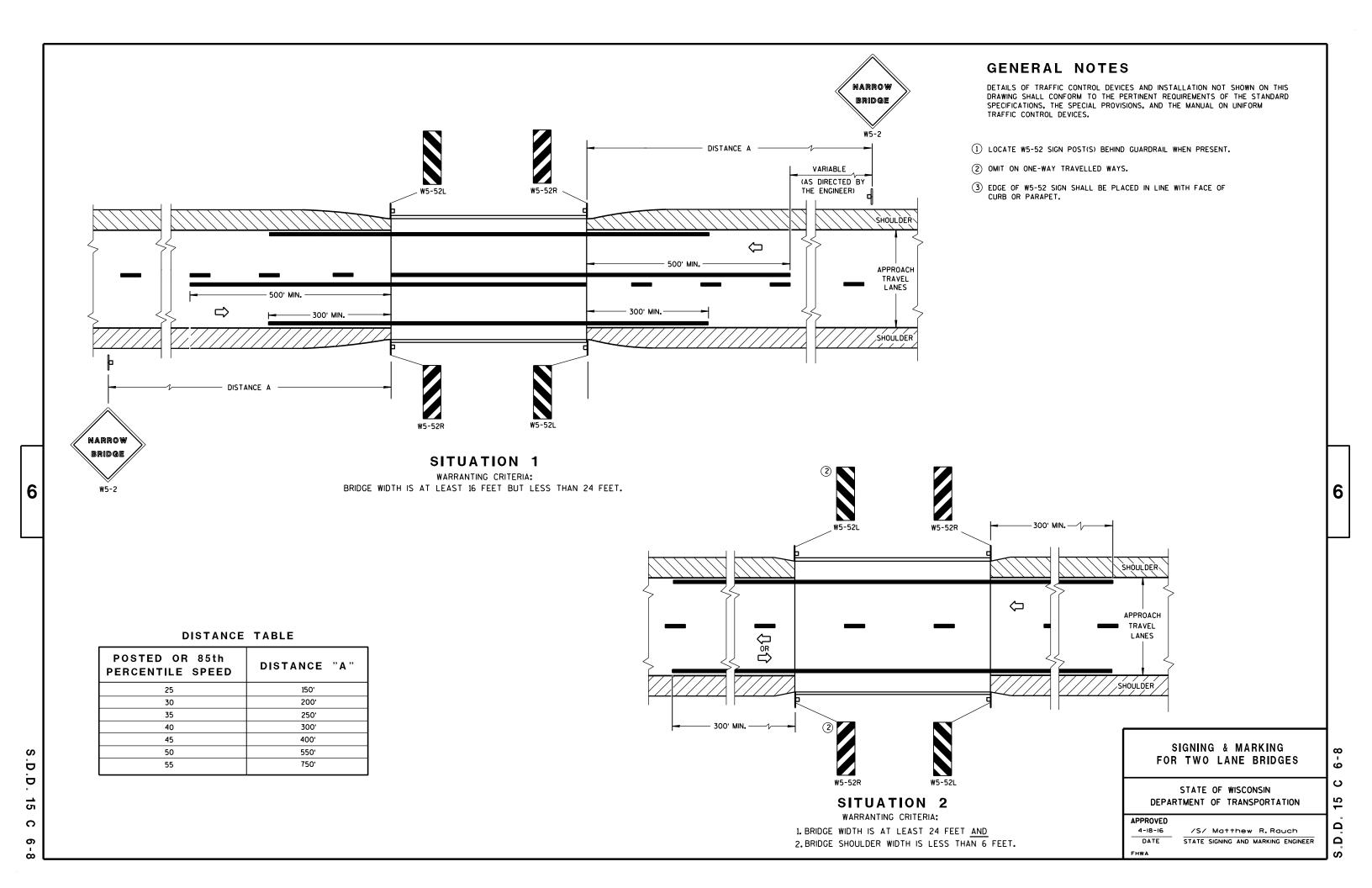
★ THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



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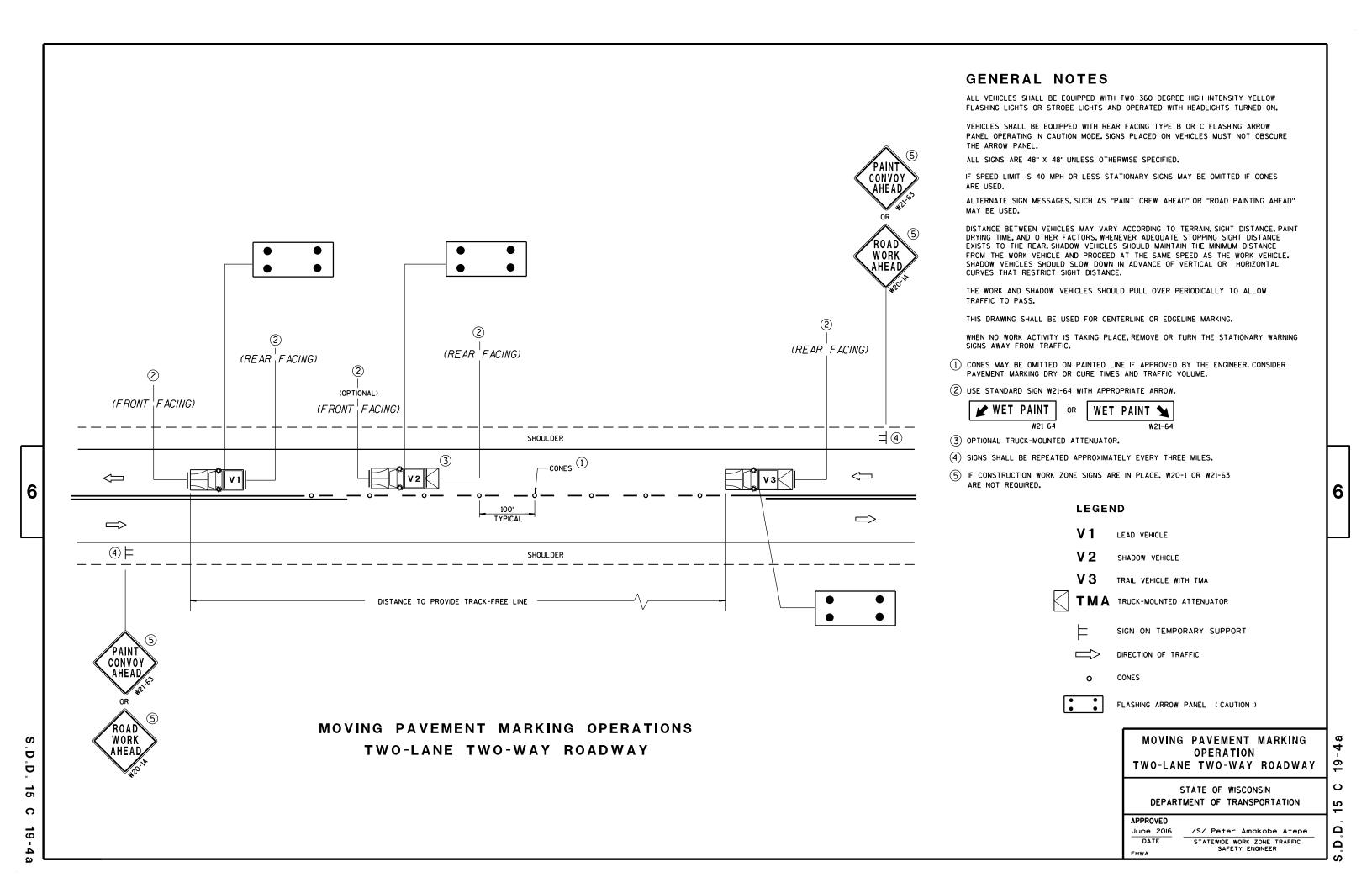
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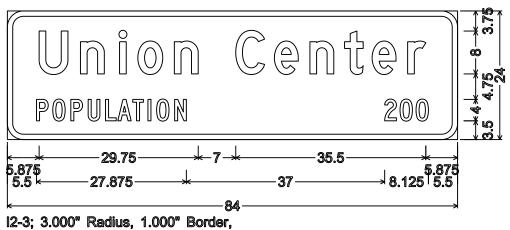


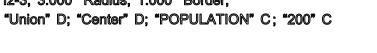


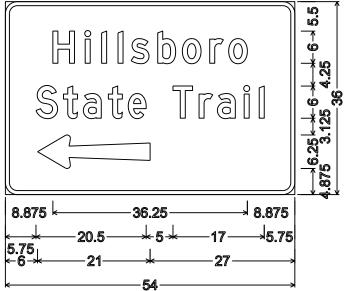






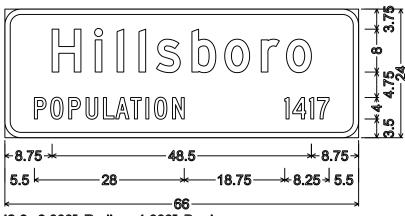




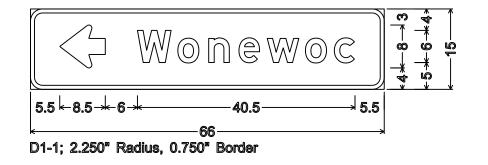


D7-95L;

2.250" Radius, 0.750" Border, White on Brown; "Hillsboro" D; "State" D; "Trail" D



I2-3; 3.000" Radius, 1.000" Border, "Hillsboro" D; "POPULATION" C; "1417" C

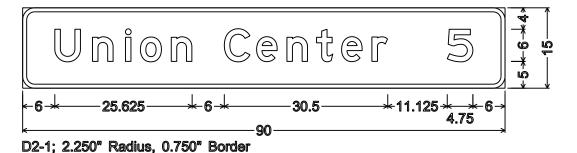


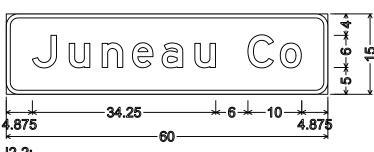
## NOTES

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

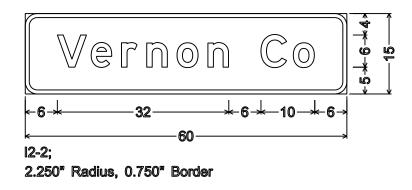
Background - Green except as noted Message - White

3. Message Series - E except as noted





12-2; 2.250" Radius, 0.750" Border



PROJECT NO: 5040-04-60 HWY: STH 33 COUNTY: JUNEAU/VERNON PERMANENT SIGNING

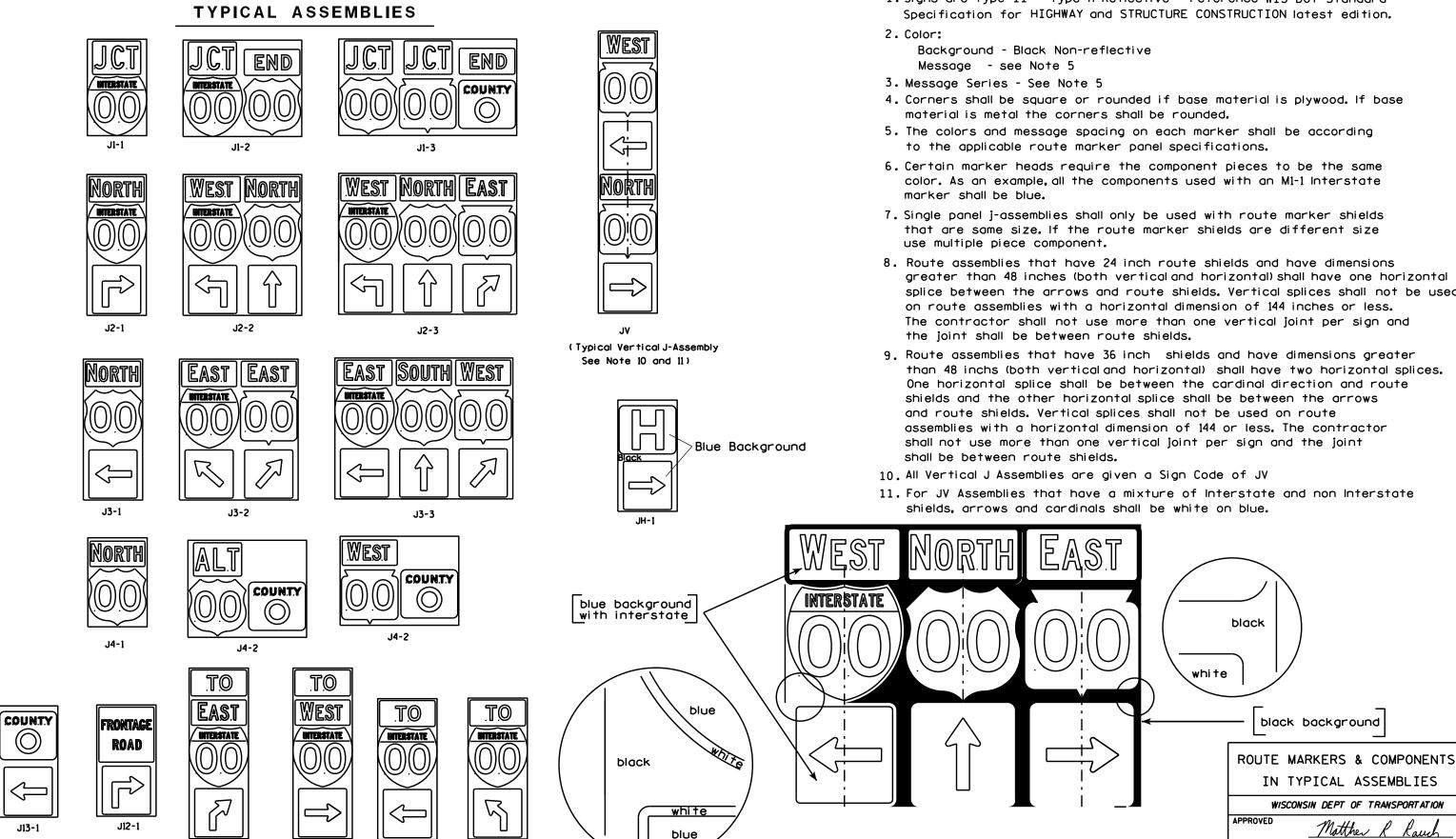
SHEET NO:

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

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



PROJECT NO:

J32-1

J22-1

J23-1

J33-1

PLOT BY: mscsja

PLATE NO. \_\_A2-15.8

DATE 2/06/14

SHEET NO:

## URBAN ARFA



RURAL AREA (See Note 2)



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



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

White Edgeline Location

\*\* The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where

there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

HWY:

\* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

PLOT BY : mscj9h

## GENERAL NOTES

- 1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is  $7'-3''(\pm)$  or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is  $7'-3''(\pm)$  or  $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is  $5' - 3'' (\pm)$ .
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding signs shall be mounted at a height of 5'-3'' ( $\pm$ ) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3"  $(\pm)$ . The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3'' ( $\pm$ ).

## POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 7/23/15

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

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A43.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:21

COUNTY:

PLOT NAME :

PLOT SCALE: 99.237937:1.000000



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

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



## **ELEVATION VIEW**

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



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

HWY:



#### PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

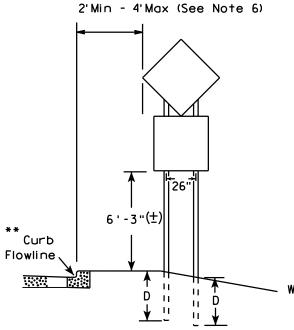
PLOT SCALE: 13.659812:1.000000

APPROVED

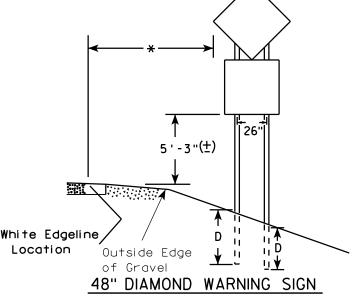
## GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. Minimum mounting height for J assemblies (A2-1S) is 7'-3'' (±) or 6'-3'' (±) per urban or rural detail respectively.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8). Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).
- \* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- \*\* The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- \*\*\* See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

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



48" DIAMOND WARNING SIGN



COUNTY:

Outside Edge

of Gravel

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

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

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

### POST EMBEDMENT DEPTH

of Gravel

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther For State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A44.DGN

PLOT NAME :

PLOT SCALE: 107.021305:1.000000

 $\times \times \times$ 

PROJECT NO:

HWY:

PLOT DATE: 23-JUL-2015 15:23

PLOT BY: mscj9h



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

ATTACHMENT OF SIGNS
TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Nather R Raw
For State Traffic Engineer

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

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

PROJECT NO:

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

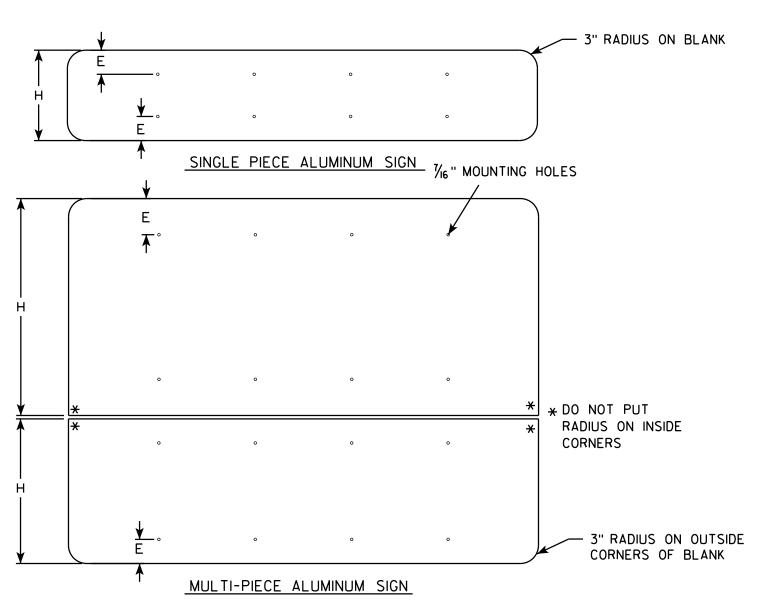
PLOT DATE . 11-416-2016 11:35

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

SHEET NO:

| | |

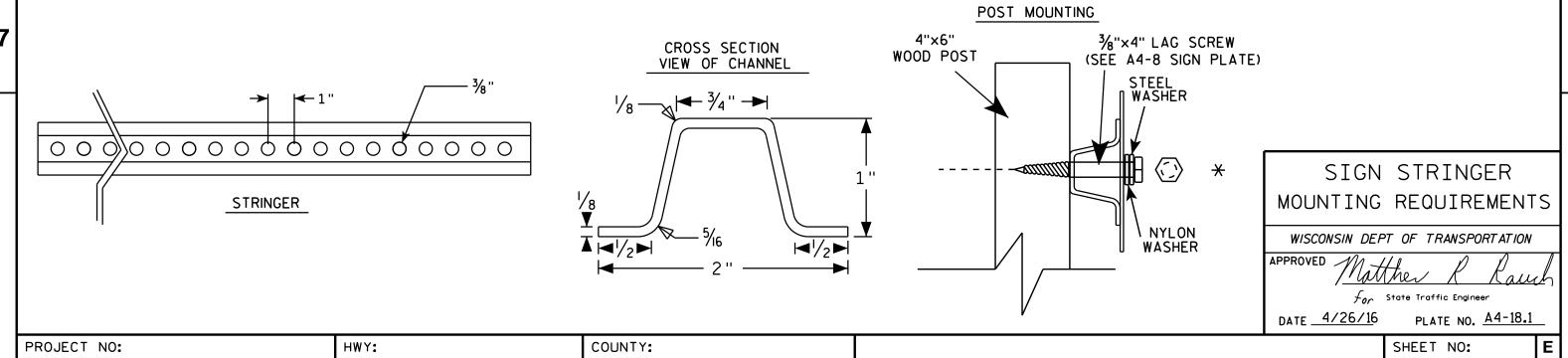




## GENERAL NOTES

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

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING				NTING OLES			
78"	72"	2	16''	15''	31''	47''	63"			
84''	72"	2	17''	161/2"	331/2"	501/2"	6 <b>7</b> 1/21			
90"	<b>7</b> 2"	2	18''	18''	36''	54''	72''			
96"	90"	2	19"	191/2"	381/2''	571/2"	761/21			
102"	90"	2	20"	21''	41''	61''	81''			
108''	90"	2	21''	221/21	' 43 <sup>l</sup> / <sub>2</sub> ''	641/2"	851/21	1		
114''	108''	3	15''	12''	2 <b>7</b> ''	42"	5 <b>7</b> "	<b>7</b> 2"	87"	102"
120''	108''	3	16''	12''	28''	44''	60"	76"	92"	108''
126"	108''	3	17''	12''	29"	46''	63"	80"	97"	114''
132"	126''	3	18''	12''	30"	48"	66"	84"	102"	120''
138''	126''	3	19''	12''	31''	50"	69"	88"	107''	126"
144''	126''	3	20"	12''	32"	52"	72"	92"	112''	132"



PLOT BY: mscj9h

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

2. Color:

Background - Orange Message - Black

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



Metric equivalent for this sign is:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 1/8	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED 400 110 00 00 110

for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\G202A.DGN

HWY:

PROJECT NO:

PLOT DATE: 30-SEP-2009 09:31

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE : 5.561773:1.000000

5.561773:1.000000 WISDOT/CADDS SHEET 42

# 

HWY:

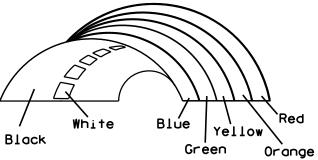
Background Colors of Symbol\*

Z F Z

A F X A

**₽** 4

\* VARIES



\*1/4" Black Border between each color of rainbow and border of rainbow

#### 

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

For State Traffic Engineer

DATE 4/27/11 PLATE NO. 15!

ATE 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

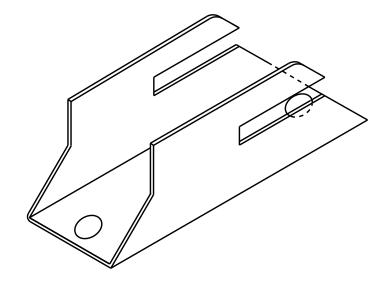
PLOT BY: mscj9h

PLOT NAME :

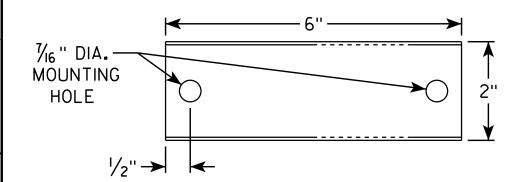
PLOT SCALE: 7.945391:1.000000

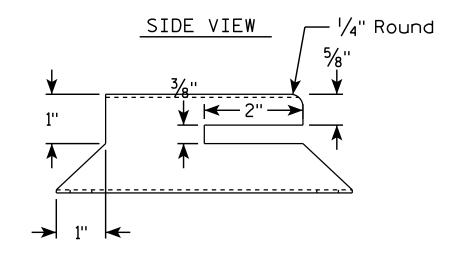
945391:1.000000 WISDOT/CADDS SHEET 42

## ISOMETRIC VIEW



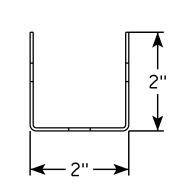
## TOP VIEW





HWY:

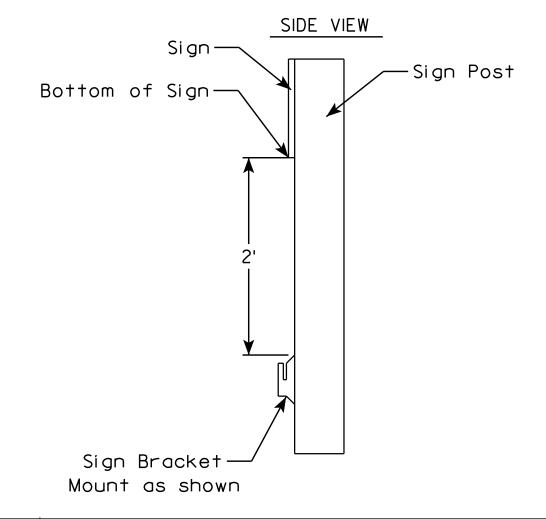
## END VIEW



COUNTY:

## NOTES

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



SHEET NO:

PROJECT NO:

PLOT BY : mscj9h

DATE 4/26/16

PLATE NO.155-56B.2

ROLLUP SIGN BRACKET

155-56B

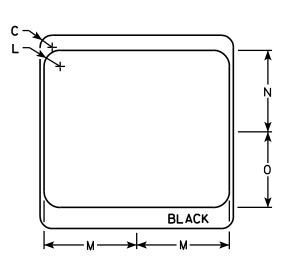
WISCONSIN DEPT OF TRANSPORTATION

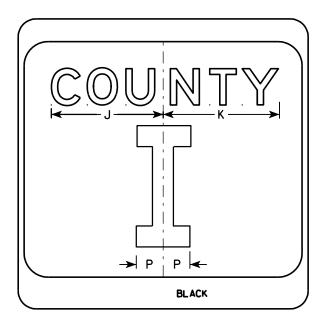
- 1. Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

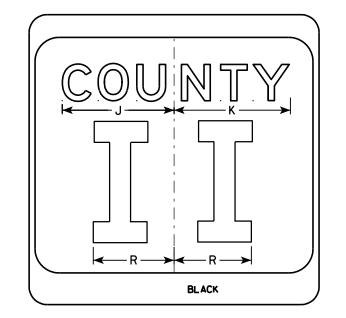
Background - White & Black - See Note 7 Message - Black

- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter. Message Series D for 2 letters unless message is too big then Series C. Message Series C for 3 letters unless message is too big then Series B.
- 6. Substitute appropriate letters & optically center to achieve proper balance.
- 7. Permanent Signs

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







SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 %	2	11 1/2	10 1/8	9 %	2 1/4		6 %									4.0
3	36		2 1/4			16	4	7 5/8	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 %		10									9.0
5	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
																			_								

COUNTY:

CTH MARKER M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

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

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\M15A.DGN

PROJECT NO:

**BLACK** 

HWY:

M1-5A

PLOT DATE: 29-SEP-2011 11:25

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 5.959043:1.000000

- 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  BLACK
Metric equivalent for this sign is:	<b>&gt;</b>

HWY:

SIZE 600 mm X 600 mm 900 mm X 900 mm 900 mm X 900 mm 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	T	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1																												ļ
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 %	11 ½	1	1 %	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	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5	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	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0	<b>.</b> 81

COUNTY:

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

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

SHEET NO:

FILE NAME : C:\Users\Projects\tr\_stdplate\M16.DGN

PLOT DATE: 13-OCT-2005 14:55

PLOT BY : DITJPH

PLOT NAME :

PLOT SCALE : 6.715871:1.000000

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

Background - See note 5 Message - See note 5

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

Message - Black

MB2-1 Background - Blue

Message - White

MK2-1 Background - Green

Message - White

MM2-1 Background - White

Message - Green

MN2-1 Background - Brown

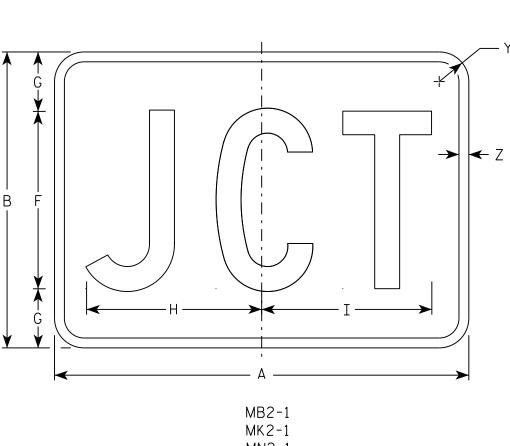
Message - White

MP2-1 Background - White

Message - Blue

MR2-1 Background - Brown

Message - Yellow



MN2-1

MR2-1

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Υ	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 1/8	8 %																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 1/8	12 3/8																1 1/2	1/2	4.40

COUNTY:

В

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rauch  $f_{or}$  State Traffic Engineer

DATE 10/15/15

PLATE NO. M2-1.12 Ε

SHEET NO:

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

PROJECT NO:

M2-1

HWY:

MM2-1

MP2-1

PLOT DATE . 01-DEC-2015 17:54

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

PLOT SCALE • 4 864603•1 000000







MP3-1









HWY:



## NOTES

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

Background - See note 5 Message - See note 5

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

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

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

MP3-1 thru MP3-4 Background - White

Message - Blue

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

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

COUNTY:

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

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

Ε

SHEET NO:

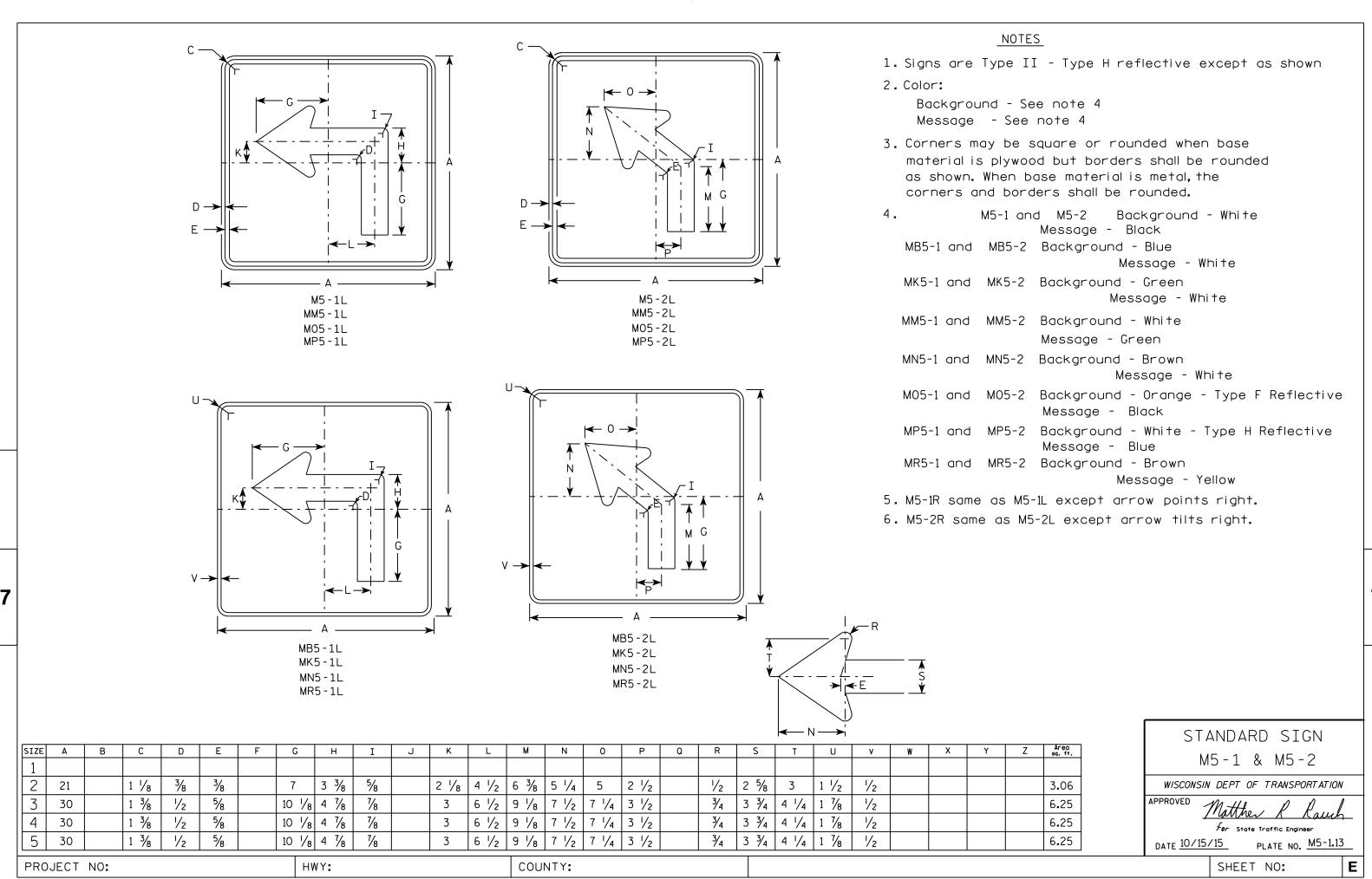
FILE NAME · C·\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

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

PLOT SCALE . 11 675051.1 000000

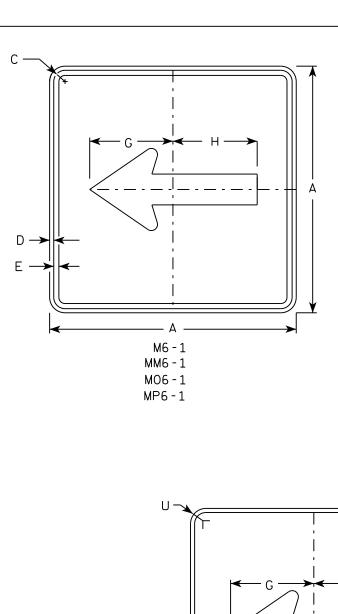


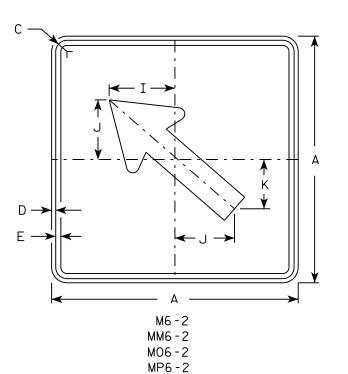
FILE NAME . C.\CAFfiles\Projects\tr stdolote\M51 DCN

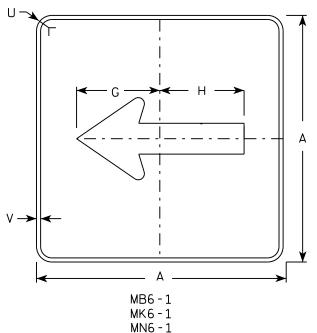
PLOT DATE . 01-DEC-2015 18:07

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

PLOT SCALE . 11 675051.1 000000

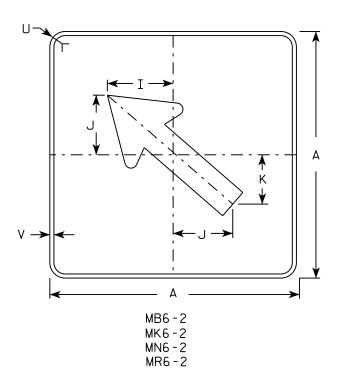






MR6-1

HWY:



## NOTES

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

Background - See note 4 Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M6-1 and M6-2 Background White

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

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

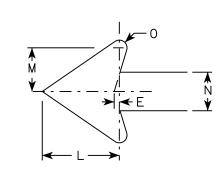
Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



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

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rawl For State Traffic Engineer

Ε

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

SHEET NO:

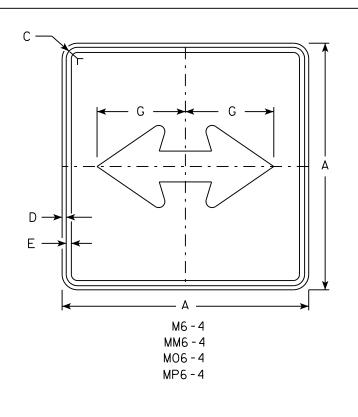
FILE NAME · C·\CAFfiles\Projects\tr stdplote\M61 DCN

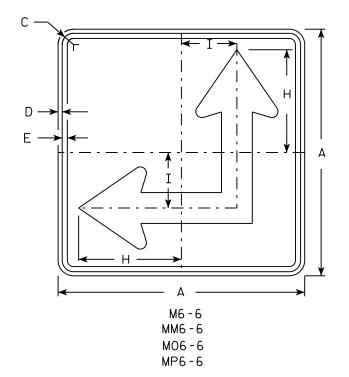
PROJECT NO:

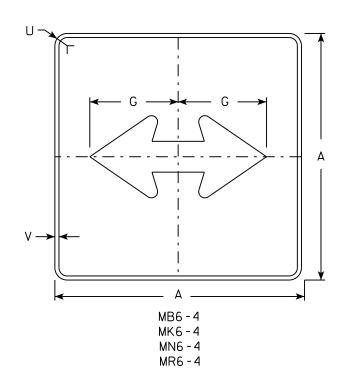
PLOT DATE . 01-DEC-2015 17:57

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

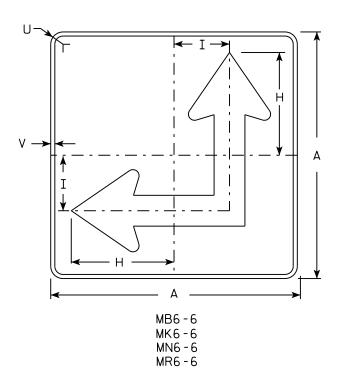
PLOT SCALE . 11 675051.1 000000







HWY:



## NOTES

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

Background - See Note 4 Message - See Note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M6-4 and M6-6 Background White Message - Black

MB6-4 and MB6-6 Background - Blue

Message - White

MK6-4 and MK6-6 Background - Green

Message - White

and MM6-6 Background - White MM6-4

Message - Green

MN6-4 and MN6-6 Background - Brown

Message - White

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

Message - Black

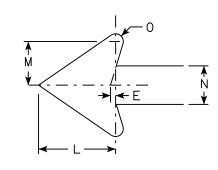
MP6-4 and MP6-6 Background - White

Message - Blue

MR6-4 and MR6-6 Background - Brown

Message - Yellow

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



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

COUNTY:

STANDARD SIGN M6-4 & M6-6 SERIES

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 10/15/15

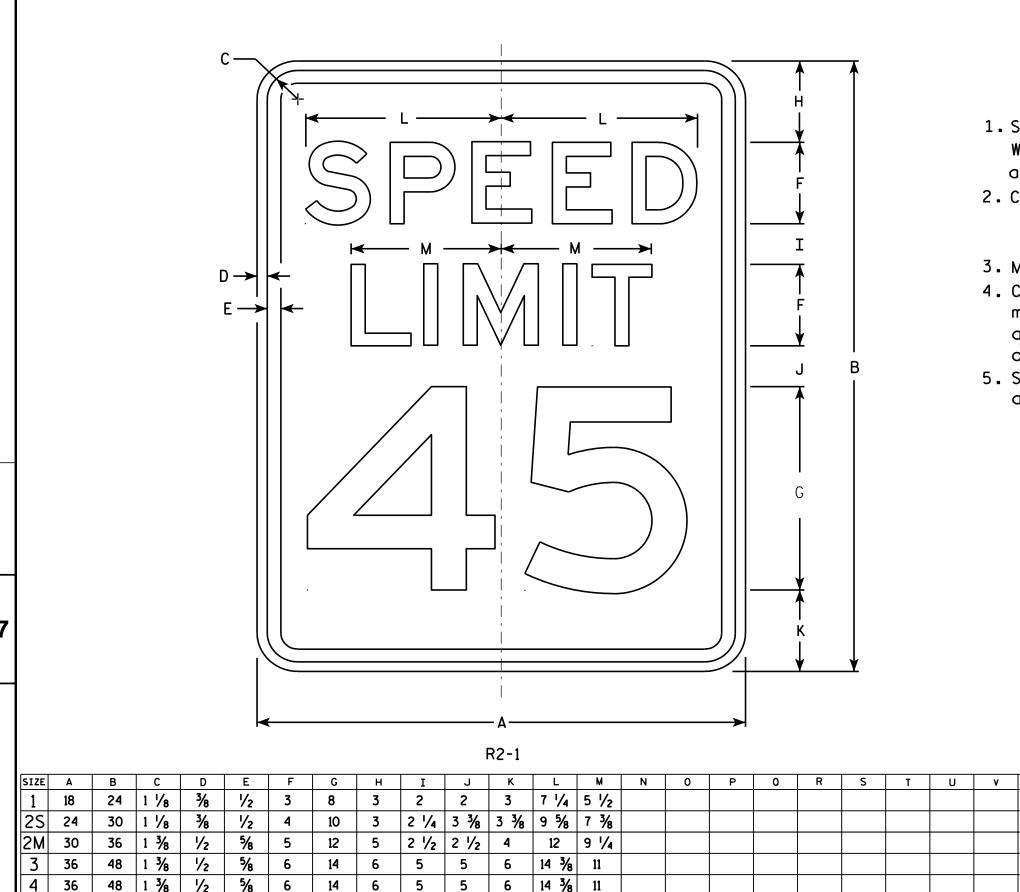
PLATE NO. M6-4.10 Ε

PLOT DATE . 01-DEC-2015 17.58

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

PLOT SCALE . 11 675051.1 000000

PROJECT NO:



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

COUNTY:

20

HWY:

6

## NOTES

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

Background - White Message - Black

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

3.0

5.0

7.5

12.0

12.0

20.0

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION APPROVED

Matther R Raus For State Traffic Engineer PLATE NO. R2-1.13

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

SHEET NO:

2 1/4

60

5

48

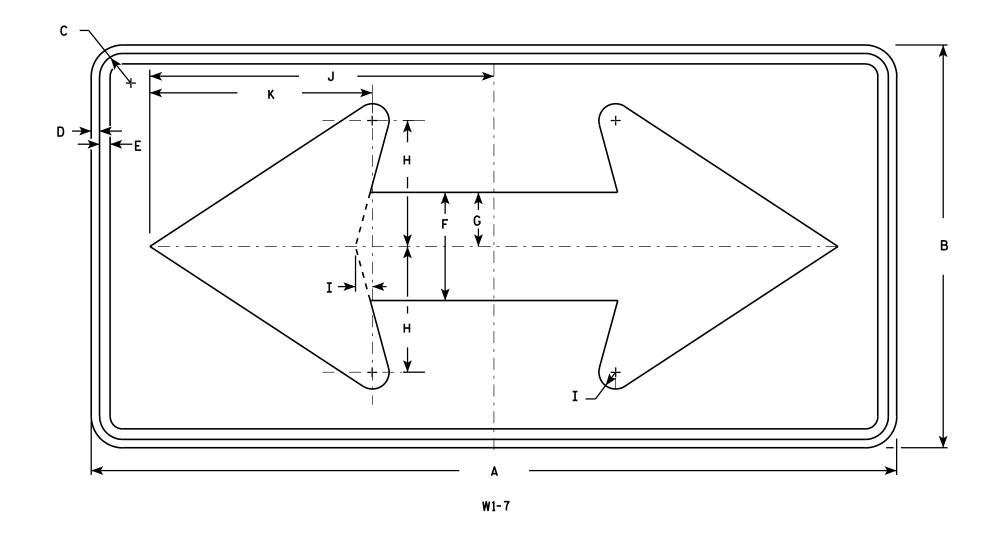
PROJECT NO:

PLOT NAME :

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

Background - Yellow Message - Black

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



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	T	U	٧	₩	Х	Y	Z	Area sq. ft.
1	36	18	1 1/8	3⁄8	1/2	5	2 1/2	5 ¾	3/4	15 5/	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 3/	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/	ß 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

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 :

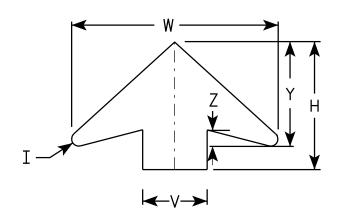
PLOT SCALE: 5.720679:1.000000

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

  Background YELLOW\*

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

\*Speed Limit Sign shall have a White Background



ARROW DETAIL

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

STANDARD SIGN W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch.

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

SHEET NO:

PROJECT NO:



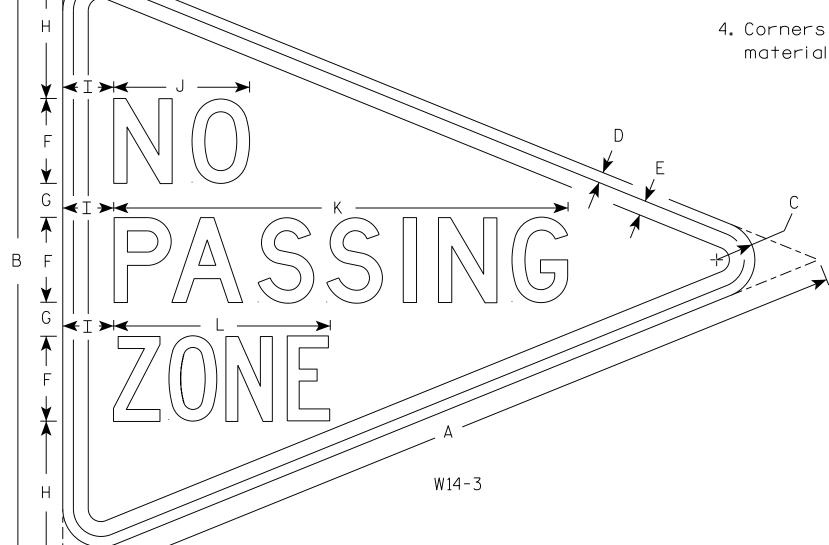
- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow

Message – Black

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

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



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

STANDARD SIGN W14-3

WISCONSIN DEPT OF TRANSPORTATION

500 3/21/17

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

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W143.DGN

PLOT DATE: 21-MAR-2017 08:48

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

PLOT SCALE : 5.650195:1.000000



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

PLOT DATE . 01-DEC-2015 18.24

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



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov