

FILE NAME : \\SEHINC.COM\PANZURA\PZPROJECTS\AE\E\EAUCH\162592\5-FINAL-DSGN\CIVIL 3D-E BUNTING RD\SHEETSPLAN\010101-TI.DWG

PROJECT ID: WITH: N/A

COUNTY:

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PLOT BY : JUSTIN SHAVLIK

GENERAL NOTES

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

WHEN THE QUANTITY OF BASE AGGREGATE OR ASPHALTIC SURFACE IS MEASURED FOR PAYMENT BY THE TON, 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.

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

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

SILT FENCE AND TURBIDITY BARRIER IS TO BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, AND IN PLACE PRIOR TO BRIDGE REMOVAL.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE SALVAGED TOPSOILED, FERTILIZED, SEEDED AND MULCHED.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING PAVEMENTS AT REMOVAL LIMITS.

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

4" ASPHALTIC SURFACE SHALL BE CONSTRUCTED IN TWO 2" LAYERS.

WISDOT MONUMENTS WILL BE SUPPLIED BY THE STATE AND INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP												
			A	В				C		D			
	SLOPE	E RANGE	(PERCENT)	SL	SLOPE RANGE (PERCENT)			OPE RANG	GE (PERCENT)	SLOPE RANGE (PERCENT)			
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56	
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40	
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38	
PAVEMENT:			•										
ASPHALT						.7095							
CONCRETE		.8095											
BRICK	.7080												
DRIVES, WALKS	.7585												
ROOFS						.7595							
GRAVEL ROADS, SHO	ULDERS					.4060							

TOTAL PROJECT AREA = 0.30 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.15 ACRES

PROJECT NO:7829-00-70HWY: E BUNTING ROADCOUNTY: EAU CLAIREGENERAL NOTES

UTILITY CONTACTS

EAU CLAIRE ENERGY COOP - ELECTRICITY 8214 HIGHWAY 12 FALL CREEK, WI 54742 TELEPHONE: 715.836.6486 ATTENTION: NATHAN KARNES EMAIL: NKARNES@ECEC.COM



DESIGN CONTACT SEH 10 NORTH BRIDGE STREET CHIPPEWA FALLS, WI 54729 TELEPHONE: 715.720.6291 ATTENTION: TARA KRISTA EMAIL: TKRISTA@SEHINC.COM

OWNER CONTACT EAU CLAIRE COUNTY HIGHWAY DEPARTMENT 2000 SPOONER AVENUE ALTOONA, WI 54720 TELEPHONE: 715.839.2952 ATTENTION: JON JOHNSON EMAIL: JON.JOHNSON@EAUCLAIRECOUNTY.GOV

WDNR CONTACT DNR WEST CENTRAL REGION HQ 1300 WEST CLAIREMONT AVENUE EAU CLAIRE, WI 54701 TELEPHONE: 715.934.9014 ATTENTION: LEAH.NICOL EMAIL: LEAH.NICOL@WISCONSIN.GOV 2

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PROJECT N	NO: 7829-00-70	HWY: E BUNTING ROAD	COUNTY:	EAU CLAIRE		TYPICAL SECTIO	NS	
FILE NAME :)	X:\AF\F\FAUCH\162592\5-FINAL-DSGN\CIVIL3D-F BUNTING RD\SHFFTSPL4	N\020301-TS.DWG		PLOT DATE :	8/9/2022 8:37 AM	PLOT BY :	LAURA SCHIMMEL	PLOT NAME :

I\CIVIL 3D-E BUNTING RD\SHEETSPLAN\0 LAYOUT NAME - 01-10ft

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Estimate Of Quantities

					7829-00-70	
Line	Item	Item Description	Unit	Total	Qty	
0002	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 01. P-18-118	EACH	1.000	1.000	
0004	205.0100	Excavation Common	CY	115.000	115.000	
0006	206.1001	Excavation for Structures Bridges (structure) 01. B-18-0242	EACH	1.000	1.000	
8000	208.0100	Borrow	CY	37.000	37.000	
0010	210.1500	Backfill Structure Type A	TON	424.000	424.000	
0012	213.0100	Finishing Roadway (project) 01. 7829-00-70	EACH	1.000	1.000	
0014	305.0110	Base Aggregate Dense 3/4-Inch	TON	26.000	26.000	
0016	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	266.000	266.000	
0018	455.0605	Tack Coat	GAL	24.000	24.000	
0020	465.0105	Asphaltic Surface	TON	87.000	87.000	
0022	502.0100	Concrete Masonry Bridges	CY	105.000	105.000	
0024	502.3200	Protective Surface Treatment	SY	136.000	136.000	
0026	502.3210	Pigmented Surface Sealer	SY	47.000	47.000	
0028	505.0400	Bar Steel Reinforcement HS Structures	LB	4,690.000	4,690.000	
0030	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	9.105.000	9.105.000	
0032	506,2605	Bearing Pads Elastomeric Non-Laminated	FACH	14.000	14.000	
0034	516.0500	Rubberized Membrane Waterproofing	SY	20.000	20.000	
0036	550 2104	Piling CIP Concrete 10 3/4 X 0 25-Inch	I F	960,000	960.000	
0038	606.0300	Rinran Heavy	CY	66,000	66,000	
0040	612 0406	Pine Underdrain Wranned 6-Inch	LE	170.000	170.000	
0040	614 0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	4 000	4 000	
0042	618 0100	Maintonanco And Popair of Haul Poads (project) 01, 7820, 00, 70	EACH	4.000	4.000	
0044	610,1000	Mobilization	EACH	1.000	1.000	
0040	624 0100	Weter	MCAL	2.000	2.000	
0040	624.0100		NIGAL	3.000	3.000	
0050	625.0500	Salvageu Topsoli	51	345.000	345.000	
0052	627.0200		51	345.000	345.000	
0054	628.1504	Silt Fence		411.000	411.000	
0056	628.1520	Slit Fence Maintenance	LF	411.000	411.000	
0058	628.1905		EACH	2.000	2.000	
0060	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000	
0062	628.6005	Turbidity Barriers	SY	64.000	64.000	
0064	629.0210	Fertilizer Type B	CWI	0.300	0.300	
0066	630.0120	Seeding Mixture No. 20	LB	10.000	10.000	
0068	630.0200	Seeding Temporary	LB	10.000	10.000	
0070	630.0500	Seed Water	MGAL	10.000	10.000	
0072	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000	
0074	637.2230	Signs Type II Reflective F	SF	12.000	12.000	
0076	638.2602	Removing Signs Type II	EACH	6.000	6.000	
0078	638.3000	Removing Small Sign Supports	EACH	6.000	6.000	
0800	642.5001	Field Office Type B	EACH	1.000	1.000	
0082	643.0420	Traffic Control Barricades Type III	DAY	616.000	616.000	
0084	643.0705	Traffic Control Warning Lights Type A	DAY	704.000	704.000	
0086	643.0900	Traffic Control Signs	DAY	440.000	440.000	
8800	643.5000	Traffic Control	EACH	1.000	1.000	
0090	645.0111	Geotextile Type DF Schedule A	SY	102.000	102.000	
0092	645.0120	Geotextile Type HR	SY	100.000	100.000	
0094	650.4500	Construction Staking Subgrade	LF	154.000	154.000	
0096	650.5000	Construction Staking Base	LF	154.000	154.000	
0098	650.6501	Construction Staking Structure Layout (structure) 01. B-18-0242	EACH	1.000	1.000	

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			E	stimate Of Q	uantities	
					7829-00-70	
Line	Item	Item Description	Unit	Total	Qty	
0100	650.9911	Construction Staking Supplemental Control (project) 01. 7829-00-70	EACH	1.000	1.000	
0102	650.9920	Construction Staking Slope Stakes	LF	154.000	154.000	
0104	690.0150	Sawing Asphalt	LF	40.000	40.000	
0106	715.0502	Incentive Strength Concrete Structures	DOL	630.000	630.000	
0108	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. 10+00	EACH	1.000	1.000	
0110	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000	
0112	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000	
0114	SPV.0090	Special 01. Prestressed Girder Box Type 21-Inch	LF	313.000	313.000	

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EXCAVATION

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EXCAVATION AVAILABLE EXCAVATION AVAILABLE COMMON MATERIAL STATION LOCATION CY E BUNTING ROAD 9+00 - 9+66 LT & RT 61 25 10+34 - 11+00 LT & RT 54 17 ITEM TOTALS 115 42 NOTES: 1) UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN COMM 2) AVAILABLE MATERIAL DOES NOT INCLUDE UNUSABLE PAVEMENT EXISTING BASE AGGREGATE VOLUME. 4) EXPANSION FACTOR = 1.3	E EXPANDED 24 FILL B CY 39 40 79 ION EXCAVATION. VEMENT EXCAVATION A	08.0100 ORROW <u>CY</u> 14 23 37 E 37 E 37 C AND	5TATION E BUNTING ROA 9+00 - 9+77 10+23 - 11+00 TEM TOTALS	LOCATION D LT & RT LT & RT	SALVAGE 625.0500 SALVAGED TOPSOIL T SY 185 160 345	ED TOPSOIL 6 627.0200 F MULCHING SY 185 160 345	AND SEED 529.0210 ERTILIZER TYPE B CWT 0.2 0.1 0.3	21NG 630.0120 SEEDING MIXTURE NO. 20 LB 5 5 5	630.0200 SEEDING TEMPORARY LB 5 5 5	630.0500 SEED WATER MGAL 5 5 5		STATION E BUNTING RO/ 9+00 - 11+00 ITEM TOTALS	643.042 BARRICAD TYPEIII EACH DA 14 61	TRAFFIC CC 643 0 WA VES LI	2NTROL 3.0705 RNING GHTS (PE A 1 DAY 704 704	643.0900 SIGNS EACH DAY 10 440 440	CALENDAR DAYS 44
BASE AGGREGATE DENSE 305.0110 305.0120 624.0 3/4-INCH 11/4-INCH WAT STATION LOCATION TON MG E BUNTING ROAD 9+00 - 9+77 LT & RT 14 135 2 10+23 - 11+00 LT & RT 12 131 1 ITEM TOTALS 26 266 3	0100 TER AL	STATION E BUNTING ROAD 9+00 - 9+77 10+00 10+23 - 11+00 ITEM TOTALS	EROSION 62 SIL LOCATION D LT&RT LT&RT LT&RT	28.1504 LT FENCE N LF 213 - 198 411	1TEMS 628.1520 SILT FENCE MAINTENANCE LF 213 - 198 411	628.6005 TURBIDITY BARRIERS SY - 64 - 64	-		SIGN GROUF CODE E BUNT 1-1 1-2 1-3 1-3 1-4 1-5 1-5 1-6	 SIGN CODE ING ROAD W5-52L W5-52R W5-52L R12-1 R12-1 	SIGN MESSAGE CLEARANCE STRII CLEARANCE STRII CLEARANCE STRII CLEARANCE STRII WEIGHT LIMIT 20 T WFIGHT LIMIT 20 T	PERMA 1YPE II 5IZE PER 12" X 36' PER 12" X 36'	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH 1 1 1 1 1 - 1 -	<u>ING</u> 637.2230 SIGNS ТҮРҒ II REFLECTIVE F SF 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	638.2602 REMOVING SIGNS IYPE II EACH 1 1 1 1 1 1 1 1 1	638.3000 REMOVING 5MALL SIGN SUPPOR'S EACH	REPLACE REPLACE REPLACE REPLACE REPLACE REMOVE RFMOVF
ASPHALTIC PAVEMENT ITEMS455.0605465.0105TACKASPHALTICCOATSURFACESTATIONLOCATIONGALTONTONEBUNTING ROADTON9+00 - 9+77LT & RT129+00 - 9+77LT & RT1210+23 - 11+00LT & RT12ITEM TOTALS2487		MOBILIZATIONS E 62 EH CO STATION E BUNTING ROAD 9+00 - 11+00 ITEM TOTALS	ROSION CON 628. 28.1905 EMER ROSION ERO DNTROL CON EACH EA 2	LTROL .1910 RGENCY DSION JTROL ACH 2				5TATION E BUNTING F 9+00 - 9+77 10+23 - 11+ TEM TOTALS	ITEM TO CONSTR LOCATION ROAD LT & RT -00 LT & RT S	UCTION S1 650.450 SUBGRAD N LF 77 77 154	TAKING650 00 650.5000 SL DE BASE ST. LF 77 77 1541	.9920 OPE AKES LF 77 77 54	4	12	6 <u>STATIC</u> E BUNT 9+00 11+00 ITEM T	6 SAWING ASE ON LOCATION TING ROAD LT & RT D LT & RT OTAL	2HALT 690.0150 LF 20 20 40

FILE NAME : X:\AE\E\EAUCH\162592\5-FINAL-DSGN\CIVIL 3D-E BUNTING RD\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 01



PLOT NAME :

MANOR, DAVI	D	ALL UTILIT ACTUAL LC	IES ARE A DCATION I	PPROXIMATE MUST BE FIEL	.D VERIFIED	
				N		
PI: 11+50.00 Y=205478.784 X=388623.558					EP: 13+00.00 Y=205481.105	X=388773.537
	· · · · · · · · · · · · · · · · · · ·		U doleho			
	12+ 	00				4 .
0H	EX R/W (TYP)	OI	., FEET	CP 3	20 ×	
		BENCHMARK T	ABLE			-
NO	ST	ATION	DESC	RIPTION	ELEV.	5
BM 1	≈300' W OF E	BRIDGE, 27.0' RT	SKI	P IN PP	978.91	┨╹┃
BM 2	9+72.7	3, 29.2' RT	SPI	K IN PP	974.24	
BM 3	12+64.7	'0, 27.0' RT	SPI	K IN PP	975.78	┢
				EARTHWORI STA 10+34 - CUT FILL FILL AT 1.3 E BORROW	K SUMMARY 11+00 54 CY 30 CY XP 40 CY 23 CY	-
		STA 10 REMO\ SINGLE 35.8' O 24.2' C	+00 /E STRUC SPAN ST VERALL L LEAR ROA	TURE P-18-01 EEL DECK GIR ENGTH IDWAY WIDT	18 DER BRIDGE H	
9/5/	976.3		976.8		1 1 1 0	c.//P
	1	2				13
			SHEET		1	E

Standard Detail Drawing List

08E09-06	SILT FENCE
08E11-02	TURBI DI TY BARRI ER
12A03-10	NAME PLATE (STRUCTURES)
13C19-03	HMA LONGITUDI NAL JOI NTS
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C06-10	SIGNING & MARKING FOR TWO LANE BRIDGES
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS



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GENERAL NOTES

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

- \bigcirc 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 $1/_8$ " X $1/_8$ " 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.







(WHEN REQUIRED BY THE ENGINEER)





- WATER ELEVATIONS.





SDD 08E -. 02





ALTERNATE LUG (FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT. (1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE

(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE



ALTERNATE LUG

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE FHWA

/S/ Scot Becker CHIEF STRUCTURAL DEVELOPMENT ENGINEER 3-10 ∢ 2 Δ

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GENERAL NOTES

FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SUPPORTS.

FULL ROAD CLOSURES.

THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

- ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11 - 2 SHALL BE 48" X 30"
 - R11 3 SHALL, R11 4 AND R10 61 SHALL BE 60 " X 30" M4 - 9 SHALL BE 30" X 24"
 - M3 X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
 - M4 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
 - MO5 1 AND MO6 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
 - D1 X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1 - 1 SHALL BE 36" X 36"
- TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING
- (1)THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING
- (2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE SIGNS AS SHOWN.
- (7)"EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.





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

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

ON BRIDGE ONLY PROJECTS, PLACE 300 FEET OF EDGELINE.

OMIT EDGELINES ON ROADWAYS WITHOUT EXISTING EDGELINES.

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

DISTANCE TABLE

STED OR 85TH CENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	700'

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SIGNING AND MARKING FOR TWO LANE BRIDGES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2022 DATE

/S/ Jeannie Silver STATE SIGNING AND MARKING ENGINEER

GENERAL NOTES

- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.





TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

★ IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

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CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2021 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER



PROJECT NO:	HWY:	COUNTY:			
			DU OT DUTE V AT NUM ODOO AVA	DI OT DY I IO	DLOT NAME -

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 or behind barrier wall. see A4-10 sian plate. The Double Arrow sign (W12-1D) 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'' (+). 3. For expressways and freeways, mounting height is 7'- 3" (\pm) or $6'-3''(\pm)$ depending upon existence 4. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (+). 5. Offset distance shall be consistent with existing signs or consistent throughout length of project. 6. The (+) tolerance for mounting 7. Folding signs shall be mounted at a height of 5'-3" (\pm) or as directd by the Engineer.

)	
	TYPICAL INSTALLATION
	OF PERMANENT TYPE II
	SIGNS ON SINGLE POSTS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthew & Rauch For state Traffic Engineer
	DATE <u>5/13/202</u> 0 PLATE NO. <u>44-3.22</u>
	SHEET NO: E
PLOT SCALE : \$\$	WISDOT/CADDS SHEET 42



3 fasteners.

Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either : a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3 b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3. Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely

 $\frac{3}{8}$ " X 4" (STRINGERS ON BACK OF SIGN)

MACHINE BOLTS - ³/₈" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

ATTACHMENT OF SIGNS TO POSTS
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
For State Traffic Engineer
DATE <u>4/1/202</u> 0 plate no. <u>A4-8.9</u>
SHEET NO: E



FILE NAME : C:\Users\Projects\tr_stdplate\A411.DGN

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two $1\frac{1}{2}$ " diameter holes drilled perpendicular to the roadway centerline.

	4	Хe	ô	WOO	DF	POST			
	MODIFICATIONS								
	WISC	WISCONSIN DEPT OF TRANSPORTATION							
	APPROVE	D		hester .	Γέ	Spang			
	for State Traffic Engineer								
	DATE 3	/27/9	<u>17</u>	PLA	TE NO	<u>A4-11.2</u>	2		
			9	SHEET	N0:		Ε		
OT SCALE	T SCALE : 6.207338:1.000000 WISDOT/CADDS SHEET 4						т 42		



FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W552.DGN

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PLOT NAME :

NOTES

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

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. Alternate colors of stripes as shown.

Z	Area sq. ft.	STANDARD SIGN						
		W5-52L & W5-52R						
	3.0							
	3.0	WISCONSIN DEPT OF TRANSPORTATION						
	6.75	APPROVED Matthew & Rauch						
		for State Traffic Engineer						
		DATE 5/29/12 PLATE NO. W5-52.9						
		SHEET NO: E						
PLOT SCALE : 4.961899:1.000000 WISDOT/CADDS SHEET 42								

PLOT DATE : 29-MAY-2012 13:03



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022 0/20 DATE: LOT

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WISDOT BRIDGE OFFICE CONTACT: AARON BONK, PI

STATE F	PROJECT	NUMBER
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7829-00-70

5.5 ksi

fy = 270ksi

DESIGN DATA

LIVE LOAD:			
DESIGN LOADING INVENTORY RATING FACTOR: OPERATING RATING FACTOR: WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV)	= = =	HL-93 RF 1.40 RF 2.03 250 KIF	3 °S
STRUCTURE IS DESIGNED FOR A FUTURE WEARING OF 20 PSF	SU	RFACE	
MATERIAL PROPERTIES:			
CONCRETE MASONRY - SUPERSTRUCTURE - ALL OTHER	_f _f	'c = 4 'c = 3.5	ks ks
HIGH STRENGTH BAR STEEL REINFORCEMENT AASHTO GRADE 60	f	v = 60	ks

21" PRESTRESSED BOX GIRDER CONCRETE MASONRY_____

STRANDS, 0.6" DIA. ULTIMATE TENSILE STRENGTH _____

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON $10\frac{3}{4}^{\prime\prime}$ CIP PILES WITH 0.25 WALL THICKNESS WITH A REQUIRED DRIVING RESISTANCE OF 130 TONS* PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC EQUATION. ESTIMATED 60 FEET LONG AT BOTH ABUTMENTS.

*THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF O.S USING MODIFIED GATES FORMULA TO DETERMINE DRIVEN PILE CAPACITY.

HYDRAULIC DAT	<u> </u>	TRAFFIC	DAT	<u>A</u>
100 YEAR FREQUENCY Q 100 Q 100 THRU STRUCTURE VELOCITY HIGH WATER EL 9' WATERWAY AREA 10 DRAINAGE AREA	540 CFS 540 CFS 5.22 FPS 75.77 FT 3.00 SQ FT 3.80 SQ MI	ADT (2023) ADT (2043) DHV DD T DESIGN SPEED ESALS	= = = = =	230 310 23 50/50 10% 60 MPH 81,000
SCOUR CODE	5			

2 YEAR FREQUENCY 140 CFS Q 2 Q2HIGH WATER EL 973.48 FT Q₂ VELOCITY 1.44 FPS

BARS	
DETAILS	1
DETAILS	2
DETAILS	3

	N0.	DATE		REVI	ISION			BY	
C O N S MIL			SHORT EL	S		KSON	INC.		
NATHAN C. KLOPP E-39850 CT PAUL KLOPE CHIEF STRUCTURES DESIGN ENGINEER KLOPE CHIEF STRUCTURES DESIGN ENGINEER KLOPE CHIEF STRUCTURES DESIGN ENGINEER CHIEF STRUCTURES DESIGN ENGINEER								8	
		S			B-	18-2	42		
SSIONAL	cou	NTY E	AU CLAIRE	, RUAD	TOWN	CLEAR	CREE	:К	
TOBER 20. 2022	DESI A A DES	GN SPEC SHTO	LRFD BRID	GE DES	IGN SPE	ECIFICA	TIONS		
	BY	0	CAD CK'D.	NCK	BY	GLE SHEE	<u>ск'</u> р. Т 1	OF 14	
T: CHRIS BLUM, PE, 608.620.6192 T: AARON BONK, PE, 608.261.0261		GEN	NERAL	PLA	N				
									,



GENERAL NOTES

<u>SOUTH</u> SIDE

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE FIRST DIGIT OF A THREE DIGIT BAR NO. AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR NO. SIGNIFIES THE BAR SIZE.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M153 TYPE I, II OR III OR AASHTO DESIGNATION M213.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON THE GENERAL PLAN SHEET AND IN THE ABUTMENT DETAILS, OR AS DIRECTED BY THE ENGINEER.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-18-242" SHALL BE THE EXISTING GROUNDLINE.

THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE A" REQUIRED DIRECTLY BEHIND ABUTMENTS AND ABUTMENT WINGS FOR 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

PIGMENTED SURFACE SEALER SHALL BE APPLIED TO THE ENTIRE INSIDE FACE AND TOP SURFACE OF THE PARAPETS ON THE WINGS AND SUPERSTRUCTURE.

THE EXISTING STRUCTURE P-18-118, TO BE REMOVED, IS A SINGLE SPAN STEEL DECK GIRDER BRIDGE WITH EXTERIOR PRESTRESSED DOUBLE TEE BEAMS, 36.0 FT. LONG WITH A 26.2 FT. WIDTH.

AT THE BACKFACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-O" ABOVE BOTTOM OF ABUTMENT.

AT ABUTMENTS, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

SUPERSTRUCTURE DIMENSIONS SHOWN ARE BASED ON 1" JOINTS BETWEEN GIRDERS. JOINTS ARE ALLOWED TO VARY FROM $\frac{1}{4}$ " TO 1 $\frac{1}{4}$ ". CLEAR DISTANCE BETWEEN PARAPETS AND OUT TO OUT WIDTH OF SUPERSTRUCTURE TO BE DETERMINED AFTER POST-TENSIONING OF GIRDERS. ABUTMENT AND WING DIMENSIONS SHALL NOT VARY FROM THOSE SHOWN ON THE PLANS.

AN AVERAGE DECK THICKNESS OF 63/ WAS USED FOR COMPUTING THE QUANTITY FOR "CONCRETE MASONRY BRIDGES".

VARIATIONS TO THE GRADE LINE OVER 1/4" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURES DESIGN SECTION FOR REVIEW.



PROF	ΊL	E
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E	<u>G</u>	E	N	D	

- ¾" V-GROOVE REQUIRED EXTEND 6" FROM F.F. OF ABUTMENT DIAPHRAGM.
- COAT WITH "PROTECTIVE SURFACE TREATMENT" AS PER THE STANDARD SPECIFICATIONS.
- DIMENSION ASSUMES 1" JOINT WIDTH. JOINT WIDTH DIMENSIONS MAY VARY DUE TO $\pm \frac{1}{4}$ " JOINT TOLERANCES.

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SY

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SIZE

EACH

EACH

NON-BID ITEMS

-51

50

1

51

50

- - -

313

102

100

313

1/2" & 3/4"

1 ouantity includes the filling over excavated volume of the peat area beneath the abutment foot print.

GEOTEXTILE TYPE DF SCHEDULE A

PRESTRESSED GIRDER BOX TYPE 21-INCH

GEOTEXTILE TYPE HR

FILLER

NAMEPLATE

BENCHMARK

9:33:24

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STATE PROJECT NUMBER

7829-00-70



UNTING ROAD)

NO. DATE REVISION ΒY STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-18-242 DRAWN BY GLE CK'D. NC CROSS SECTION, SHEET 2 OF 14 NOTES AND QUANTITIES









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NO.	DATE	REVI	SION		BY	
		STATE OF DEPARTMENT OF	WISCONSII TRANSPOF	N RTATION		
	S	TRUCTURE	B-	18-242		
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ABUTMENT NOTES

- 1 SEAL ALL EXPOSED HORIZ. AND VERTICAL SURFACES OF $\rlap{0.5mu}{1}{}_{2}$ "FILLER WITH NON-STAINING GRAY NON-ASPHALTIC JOINT SEALER. (1" DEEP AND HOLD $\rlap{0.5mu}{1}{}_{8}$ " BELOW SURFACE OF CONCRETE).
- I8" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZ & VERT JOINTS ON BACKFACE. VERTICAL WATERPROOFING TO EXTEND FROM BRIDGE SEAT TO TOP OF WING.
- (3) KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2"×6"
- 4 KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2"x6" PLACE CONC ABOVE THIS JOINT AFTER BOX GIRDERS HAVE BE SET.
- $\left< 5 \right>$ B507 bars 1'-0" embed may be placed after conc has been poured but before initial set has taken place.

ABUTMENTS TO BE SUPPORTED OF $10\frac{1}{2}$ " CIP PILES WITH 0.25 WALL THICKNESS WITH A REQUIRED DRIVING RESISTANCE OF 130 TONS* PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC EQUATION. ESTIMATED 60 FEET LONG AT BOTH ABUTMENTS.

* THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES FORMULA TO DETERMINE DRIVEN PILE CAPACITY.

• 2 SPACES AT 10".

N0.	DATE	REVI	SION			BY		
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION								
STRUCTURE B-18-242								
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						MEST ABSTIMENT	
DAIL MAIL	COAT	NO. REO'D.	LENGTH (FT-IN)	BAR SERIES	BENT	LOCATION	
NON-COATE	BARS					TOTAL WEIGHT = 2340 LBS	
A401		36	2 - 10		X	BODY TIES	
A502		36	8 - 9		X	BODY TIES	
A503		72	6 - 0		X	BODY VERT.	
A504		9	36 - 3			BODY HORIZ. F.F.	
NOT USED							
A806		18	24 - 0		x	BODY HORIZ. B.F.	
						TOTAL WEICHT - 1460 LBS	_
4507	v v	31	2 - 0			BODY DOWELS TOP	-
A408	x	22	8 - 9	×	x		-
A409	x	12	9 - 7	<u>^</u>	x		-
A510	x	9	11 - 7		x		-
A811	x	9	13 - 3		x	WING 1 HORIZ B F	-
A412	x	2	10 - 2		~	WING 1 HORIZ, E.F.	-
A413	x	2	7 - 1			WING 1 HORIZ, E.F.	-
A414	x	2	10 - 3		x	WING 1 DIAG. E.F.	-
A415	x	3	9 - 5		x	WING 1 HORIZ. CHEEK	-
A416	x	14	3 - 8			WINGS 1 & 2 VERT. CHEEK	-
A517	x	9	12 - 7		x	WING 2 HORIZ. F.F.	
A818	x	9	14 - 2		x	WING 2 HORIZ. B.F.	-
A419	x	2	11 - 2			WING 2 HORIZ. E.F.	-
A420	x	2	7 - 9			WING 2 HORIZ. E.F.	1
A421	x	2	11 - 3		x	WING 2 DIAG. E.F.	
A422	x	3	10 - 0		x	WING 2 HORIZ. CHEEK	
A423	x	26	8 - 9	X	X	WINGS 2 VERT. E.F.	

	BILL OF BARS EAST ABI							
	BAR MARK	COAT	NO. REQ'D.	LENGTH (FT-IN)	BAR SERIES	BENT	LOCATION	
	NON-COATED	BARS					TOTAL WEIGHT = 2340 LBS	
1	B401		36	2 - 10		X	BODY TIES	
1	B502		36	8 - 9		X	BODY TIES	
	B503		72	6 - 0		X	BODY VERT.	
	B504		9	36 - 3			BODY HORIZ. F.F.	
	NOT USED							
1	B806		18	24 - 0		X	BODY HORIZ. B.F.	
1								
	COATED BAF	RS					TOTAL WEIGHT = 1460 LBS	
	B507	X	31	2 - 0			BODY DOWELS TOP	
\otimes	B408	X	22	8 - 9	X	X	WINGS 3 VERT. E.F.	
1	B409	X	12	9 - 7		X	WINGS 3 & 4 VERT. E.F.	
	B510	X	9	11 - 7		X	WING 3 HORIZ. F.F.	
1	B811	X	9	13 - 3		X	WING 3 HORIZ. B.F.	
1	B412	X	2	10 - 2			WING 3 HORIZ. E.F.	
1	B413	X	2	7 - 1			WING 3 HORIZ. E.F.	
1	B414	X	2	10 - 3		X	WING 3 DIAG. E.F.	
1	B415	X	3	9 - 5		X	WING 3 HORIZ. CHEEK	
1	B416	X	14	3 - 8			WINGS 3 & 4 VERT. CHEEK	
1	B517	X	9	12 - 7		X	WING 4 HORIZ. F.F.	
1	B818	X	9	14 - 2		X	WING 4 HORIZ. B.F.	
1	B419	X	2	11 - 2			WING 4 HORIZ. E.F.	
1	B420	X	2	7 - 9			WING 4 HORIZ. E.F.	
1	B421	X	2	11 - 3		X	WING 4 DIAG. E.F.	
1	B422	X	3	10 - 0		X	WING 4 HORIZ. CHEEK	
\otimes	B423	x	26	8 - 9	x	X	WINGS 4 VERT. E.F.	
	DIMENSIONS IN	BENDIN	IG DETA	ILS ARE OUT TO	OUT.			

BAR SERIES TABLE

NO. REO'D.

2 SERIES OF 11

2 SERIES OF 13

2 SERIES OF 11

2 SERIES OF 13

 \otimes length shown for series bar is an average length and should be used FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

LENGTH (FT-IN)

8-0 TO 9-6

8-0 TO 9-6

8-0 TO 9-6

8-0 TO 9-6

 \otimes length shown for series bar is an average length and should be used

1'-7"

A503, B503

FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

6" = *4* B504 SPA. @ 6 A504.

RIPRAP HEAVY







<u>A401, B401</u>

41/2

A502, B502

<u>A811, B811</u>



8'-0'

12



**NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SHIELD SO SLOTS ARE VERTICAL.

> RODENT SHIELD, PIPE COUPLING, AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMLAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

© RODENT SHEILD



<u>A818, B818</u>





AM

MARK

A408

A423 B408

B423

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SECTION THRU INTERIOR GIRDER

SECTION THRU EXTERIOR GIRDER



FILE

7829-00-70

<u>NOTES</u>

THE CONCRETE MIX FOR THE PRESTRESSED BOX GIRDERS SHALL CONFORM TO SECTION 503.2.2 OF THE STANDARD SPECIFICATIONS.

AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO THE BOTTOM OF THE GIRDERS AND THE EXTERIOR FACE OF EXTERIOR GIRDERS. DO NOT APPLY CONCRETE SEALER OR EPOXY TO THE SHEAR KEY OR THE TOP OF GIRDERS.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR CONCRETE ABUTMENTS, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER.

FOUR WAY SLING MUST BE USED TO ENGAGE ALL 4 LIFTING DEVICES ON BOTH ENDS OF UNITS.

POST-TENSIONING OF THE TRANSVERSE TENDONS SHALL NOT BEGIN UNTIL THE GROUT BETWEEN THE PRECAST BOX GIRDERS HAS BEEN ALLOWED TO CURE FOR 48 HOURS AND GROUT HAS REACHED A COMPRESSIVE STRENGTH OF 3,000 PSI.

SEAL WASHER SHALL BE SPONGE NEOPRENE GASKET $3^{1}\!\!/_{4}$ " MIN. THICK. STRESS POCKETS SHALL BE FILLED WITH CHLORIDE FREE NON-SHRINK GROUT AFTER POST TENSIONING.

TRANSITION BETWEEN CHANGING SLOPES OF POST-TENSIONING DUCTS SHALL BE PROVIDED BY EITHER A CIRCULAR OR PARABOLIC CURVE WITH A MINIMUM LENGTH OF 3'-O".

<u>LEGEND</u>

▲ DIMENSION GIVEN FOR STIRRUPS PERPENDECULAR TO THE PRESTRESSED BOX GIRDER LENGTH. ADJUST THE DIMENSION FOR STIRRUPS AT SKEWED PRESTRESSED BOX GIRDER ENDS.

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STATE PROJECT NUMBER

7829-00-70







STATE	PROJECT	NUMBER

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	BAR MARK	COAN	SUPERSTR.	LENGTH	BENY	BAR SERIES	LOCATION
_	R501	X		5'-10	X		PARAPET VERT.
_	R502	X		6' 8''	X		PARAPET VERT.
	R503	X	44	3'-0''	X		PARAPET VERT.
	R504	X	68	5'- 7 ''	Х		PARAPET VERT.
	R505	X	20	6'-5''	X		PARAPET VERT.
	R506	X	24	6'-6''	X		PARAPET VERT.
	R50 7	X	4	24'-10''	Х		PARAPET HORIZ.
_	R508	X					PARAPET HORIZ.
	R509	X	24	5'-5''	X	Δ	PARAPET VERT.
	R510	Х	8	24'-10''	Х		PARAPET HORIZ.

BAR MARK	NO. REQ'D	LENGTH				
R509	4 SERIES OF 6	4'-9" TO 6'-1"				











E Bunting Road													
		AREA	\(SF)	Incr	emental Vol (CY) (Unadju	isted)	Cumulative Vol (CY)						
Station	Distance	Cut	Fill	Cut	Unusable Pavement Material	Fill	Cut 1.00	Unusable Materiai	Available Material	Expanded Fill	Mass Ordinate		
		Note 1		Note 2		Note 3	Note 2	Note 3	Note 3	Note 4	Note 5		
9+00	0.00	31.7	0.0	0.0	0.0	0.0	0.0	Û	0	0	Û		
9+50	50.00	21.1	19.8	48.9	27.8	18.3	49	28	21	24	-3		
9+66	16.00	21.1	19.8	12.5	8.9	11.7	61	37	25	39	-14		
9+66	0.25	0.0	0.0	0.1	0.1	0.1	61	37	25	39	-15		
10+34	67 50	00	0.0	0.0	0.0	0.0	61	37	25	39	-15		
10+34	0.25	18.7	19.9	0.1	0.1	0.1	62	37	25	39	-15		
10+50	16.00	18.7	19.9	11.1	8.9	11.8	73	46	27	55	-28		
11+00	50.00	27.4	0.0	42.6	27.8	18.4	115	74	42	79	-37		

Notes:

1) Unusable Pavement Material is included in Cut.

bitsable Pavement Wateran's included in Cut.
 Excavation Common is the sum of the Cut column. Item number 205 0100
 Does not include Unusable Pavement Excavation and Existing Base Aggregate volume.
 Will be backfilled with Excavation Common or Borrow. Borrow item number 208.0100
 Plus quantity indicates an excess of material. Minus indicates a shortage of material. Borrow item number 208.0100
 Additional cut required within excavation for structures limits (Sta 9+66 to Sta 10+34). See structure plans for additional information.

PROJECT	NO: 7829-00-70	HWY: E BUNTING ROAD	COUNTY: EAU CLAIRE		EARTHWORK QUANTITIES			
ILE NAME :	X:\AE\E\EAUCH\162592\5-FINAL-DSGN\CIVIL 3D-E BUNTING RD\SHEETSF	LAN\090101-EW.DWG	PLOT DATE :	8/9/2022 8:37 AM	PLOT BY :	LAURA SCHIMMEL	PLOT NAME :	ĺ

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PLOT DATE : 8/22/2022 12:03 PM

WISDOT/CADDS SHEET 49

Notes



Wisconsin Department of Transportation

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