DECEMBER 2023

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	٩	Computer Earthwork Data

Section No.	9	Computer Earthwork Dat
Section No.	9	Cross Sections

TOTAL SHEETS = 42

DESIGN DESIGNATION

A.A.D.T.	2024	=	267
A.A.D.T.	2044	=	293
D.H.V.		=	29
D.D.		=	50/50
Т.		=	10.0%
DESIGN SPEED		=	55 MPH
ESALS		=	95,000

CONVENTIONAL SYMBOLS

AYLOR

PLAN

CORPORATE LIMITS

COUNTY:

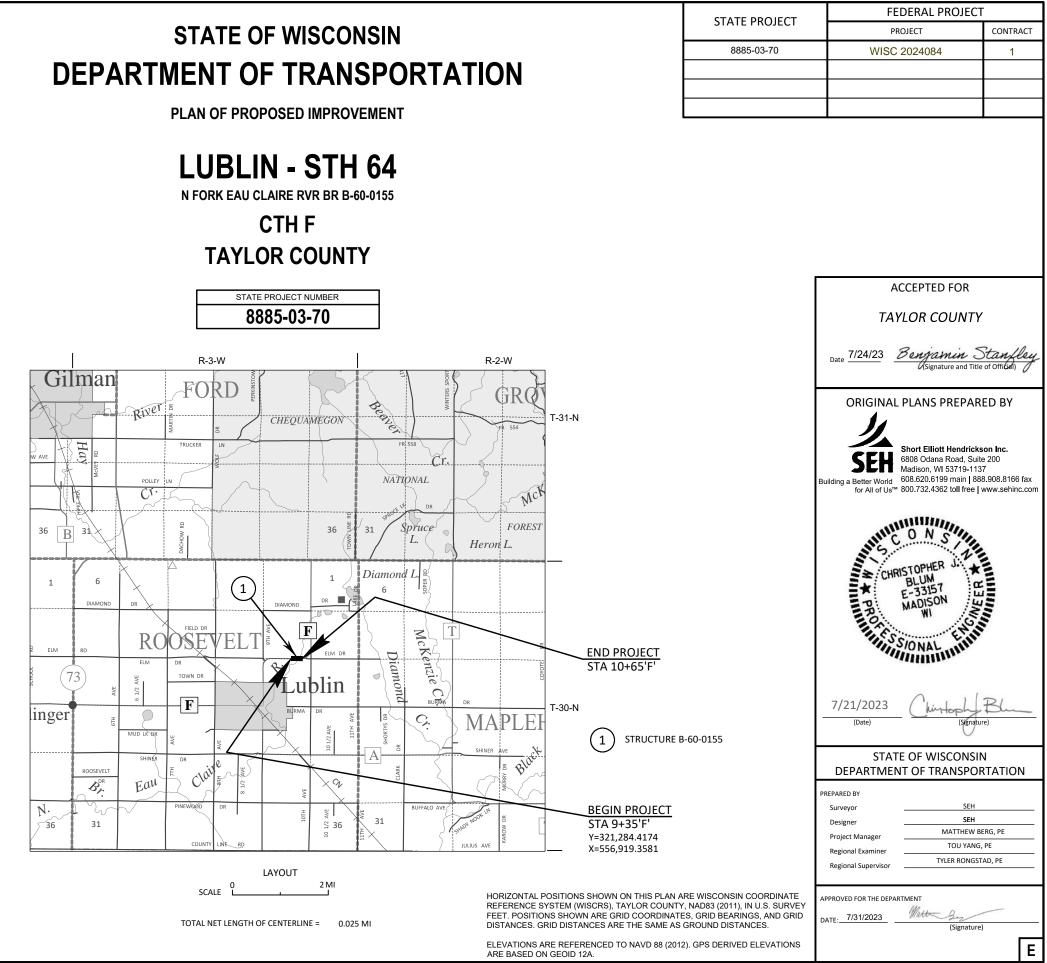
PROPERTY LINE	
LOT LINE LIMITED HIGHWAY EASEMENT	 L
EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	300'EB'
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	-CAUTION=
MARSH AREA	
	،

WOODED OR SHRUB AREA

	PROFILE
<u>///////</u>	GRADE LINE
	ORIGINAL GROUND
	MARSH OR ROCK PROFILE (To be noted as such)
L	SPECIAL DITCH
	GRADE ELEVATION
	CULVERT (Profile View)
300'EB'	UTILITIES
	ELECTRIC
	FIBER OPTIC
──	GAS
MA	SANITARY SEWER
-CAUTION-	STORM SEWER
1	TELEPHONE
(* * *)	WATER
	UTILITY PEDESTAL
	POWER POLE
ξ	TELEPHONE POLE

CTH F

STATE PROJECT NUMBER 8885-03-70



FILE NAME : X:\PT\T\TAYHD\172014\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\88850300\SHEETS\SEC 01 TITLE\010101-TI (TITLE SHEET 8885-03-00 CTH F - BRIDGE OVR NFECR).DWG

ROCK

LABEL

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PLOT DATE : 6/19/2023 8:52 AM

SEH PLOT BY :

PLOT NAME

EAU

PROJECT ID: WITH: N/A

8885-03-70

STANDARD ABBREVIATIONS

2

ABUT AC AGG AECPRC AECPCS ASPH AVG ADT BF BM BR CE C/L A COB CONC CPRC CPRCHE CR CY C&G D	ABUTMENT ACRE AGGREGATE APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE APRON ENDWALL FOR CULVERT PIPE CORRUGATED STEEL ASPHALTIC AVERAGE AVERAGE AVERAGE DAILY TRAFFIC BACK FACE BENCH MARK BRIDGE COMMERCIAL ENTRANCE CENTER LINE CENTER LINE CENTER LINE CENTRAL ANGLE OR DELTA CENTER OF BARRIER CONCRETE CULVERT PIPE REINFORCED CONCRETE CULVERT PIPE REINFORCED CONCRETE CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CREEK CUBIC YARD CURB AND GUTTER DEGREE OF CURVE
DG DWY X EAT	DITCH GRADE DRIVEWAY EAST GRID COORDINATE STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
EOR EL ENT	END POINT OF RADIUS ELEVATION ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS EXCAVATION
EBS EXIST	EXCAVATION BELOW SUBGRADE EXISTING
FC FF	FACE OF CURB FACE TO FACE
FERT	FERTILIZE
FE	FIELD ENTRANCE
FL	FLOW LINE
FO CWT	FIBER OPTIC HUNDREDWEIGHT

HYDHYDRANTIDINSIDE DIAMETERINVINVERTIPIRON PIPE ON PINLHFLEFT-HAND FORWARDLLENGTH OF CURVEIFLINEAR FOOTLCLONG CHORD OF CURVELSLUMP SUMMHMANHOLEMORMID POINT OF RADIUSNCNORMAL CROWNNONUMBEROBLITOBLITERATEPAVTPAVEMENTPEPRIVATE ENTRANCEPVRCPOINT OF VERTICAL REVERSE CURVEQORQUARTER POINT OF RADIUSRRADIUSREQ'DREQUIREDRESRESIDENCE OR RESIDENTIALRHFRIGHT-HAND FORWARDR/WRIGHTOF-WAYRRIVERRDWYROADWAYR/LREFERENCE LINESALVSALVAGEDSANSANITARY SEWERSFSQUARE FEETSYSQUARE FEETSYSQUARE FEETSYSQUARE FEETSPRCSTORM SEWER PIPE REINFORCEDCONCRETESESUDSTANDARD DETAIL DRAWINGSSTASTORM SEWERSTORT SEWERSFRCSTORM SEWER PIPE REINFORCEDCONCRETESESUPERELEVATION RATETCTOP OF CURBTOR TNTOWNTTRUCKS (PERCENT OF)TYPTYPICALVARVARIABLEVCVERTICAL CURVEYNORTH GRID COORDINATEYDYARD<		
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TYP TYPICAL VAR VARIABLE VC VERTICAL CURVE Y NORTH GRID COORDINATE		
VAR VARIABLE VC VERTICAL CURVE Y NORTH GRID COORDINATE		. ,
VC VERTICAL CURVE Y NORTH GRID COORDINATE	ТҮР	TYPICAL
Y NORTH GRID COORDINATE	VAR	VARIABLE
	VC	VERTICAL CURVE
YD YARD	Y	NORTH GRID COORDINATE
	YD	YARD

RUNOFF COEFFICIENT TABLE

		HYDROLOGIC SOIL GROUP										
			A		В		С				D	
	SLOPI	E RANGE	(PERCENT)	SL	SLOPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)		SLOPERANGE (PERCENT)		(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	DRIVES, WALKS .7585											
ROOFS						.7595						
GRAVEL ROADS, SH	OULDERS					.4060						

TOTAL PROJECT AREA = 0.4 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.1 ACRES

PROJECT NO: 8885-03-70		HWY: CTH F	COUNTY: TAYLOR		GENERAL NOTES	
FILE NAME : X:\PT\T\TAYHD\172014\5-final-dsg	n\51-drawings\40-TransHwy\88850300\sh	eets\SEC 02 Typ Sec & Details\020101 gn (General Notes).dwg		PLOT DATE : 9/19/2023 10:55 AM	PLOT BY : SEH	LAYOUT NAME : 01

FILE NAME : X:\PT\T\TAYHD\172014\5-final-dsgn\51-drawings\40-TransHwy\88850300\sheets\SEC 02 Typ Sec & Details\020101 gn (General Notes).dwg

TAYLOR COUNTY HIGHWAY DEPARTMENT 208 N 8TH STREET MEDFORD, WI 54451 TELEPHONE: 715.748.2456 ATTENTION: BEN STANFLEY EMAIL: BEN.STANFLEY@CO.TAYLOR.WI.US

DNR AREA LIAISON:

DNR NORTHERN REGION HEADQUARTERS 107 SUTLIFF AVENUE RHINELANDER, WI 54501 TELEPHONE: 715.365.8916 ATTENTION: WENDY HENNIGES EMAIL: WENDY.HENNIGES@WISCONSIN.GOV

UTILITY CONTACT LIST:

BRIGHTSPEED 425 ELLINGSON AVENUE HAWKINS, WI 54530 TELEPHONE: 980.376.1559 ATTENTION: BRAIN HUHN EMAIL: BRIAN.HUHN@BRIGHTSPEED.COM

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

WISDOT CONTACT:

NORTHWEST REGION

EAU CLAIRE, WI 54701

718 W. CLAIREMONT AVE.

TELEPHONE: 715.461.0372

DESIGN CONTACT:

TELEPHONE: 608.620.6192

EMAIL: CBLUM@SEHINC.COM

ATTENTION: CHRIS BLUM

CLARK ELECTRIC COOPERATIVE

1209 W DAL-BERG STREET

GREENWOOD, WI 54437

TELEPHONE: 715.267.7955

ATTENTION: KENT WEIGEL

EMAIL: KWEIGEL@CECOOP.COM

MADISON, WI 53719

6808 ODANA ROAD, SUITE 200

SEH INC

ATTENTION: MATTHEW BERG

WISCONSIN DEPT OF TRANSPORTATION

EMAIL: MATTHEWBERG@DOT.WI.GOV

GE	NERAL NO
1.	NO TREES OR
2.	THE LOCATIOI THE PLANS AF THE PROJECT
3.	THE CONTRAC THE START OF THE DIGGERS
4.	PRIOR TO ORE VERIFY RELAT
5.	INLET AND DIS MAY BE ADJUS
6.	WETLANDS, W PROTECTED A SITES UNLESS
7.	BROKEN CON
8.	CROSS SECTIO SALVAGED TO
9.	TRAFFIC CONT BY THE ENGIN
10.	REMOVAL OF RESPECTIVE B
11.	THE EROSION LOCATIONS. E
12.	ASPHALTIC AN SHOWN ON T
13.	DISTURBED AF FINISHED SHO SEEDED.
14.	FERTILIZER SH
15.	A CONVERSIO AGGREGATE E
16.	THE BRIDGE A SURFACE SHA
17.	APPLY TACK C BETWEEN LAY
18.	ASPHALTIC SU
19.	THE CONTRAC

DTES:

SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

NS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON RE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN AREA THAT ARE NOT SHOWN.

CTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO F WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF HOTLINE MUST BE CONTACTED SEPARATELY.

DERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL ED DRAINAGE INFORMATION IN THE PLANS WITH THE ENGINEER.

SCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN STED BY THE ENGINEER TO FIT FIELD CONDITIONS.

NATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE APPROVED BY THE ENGINEER.

CRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.

ONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. OPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.

TROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED VEER.

EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR BID ITEMS.

I CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS HE PLAN OR AS DIRECTED BY THE ENGINEER.

REAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE OULDER POINTS, SHALL BE SALVAGED TOPSOILED, FERTILIZED AND

HALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.

ON FACTOR OF 2.0 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE DENSE.

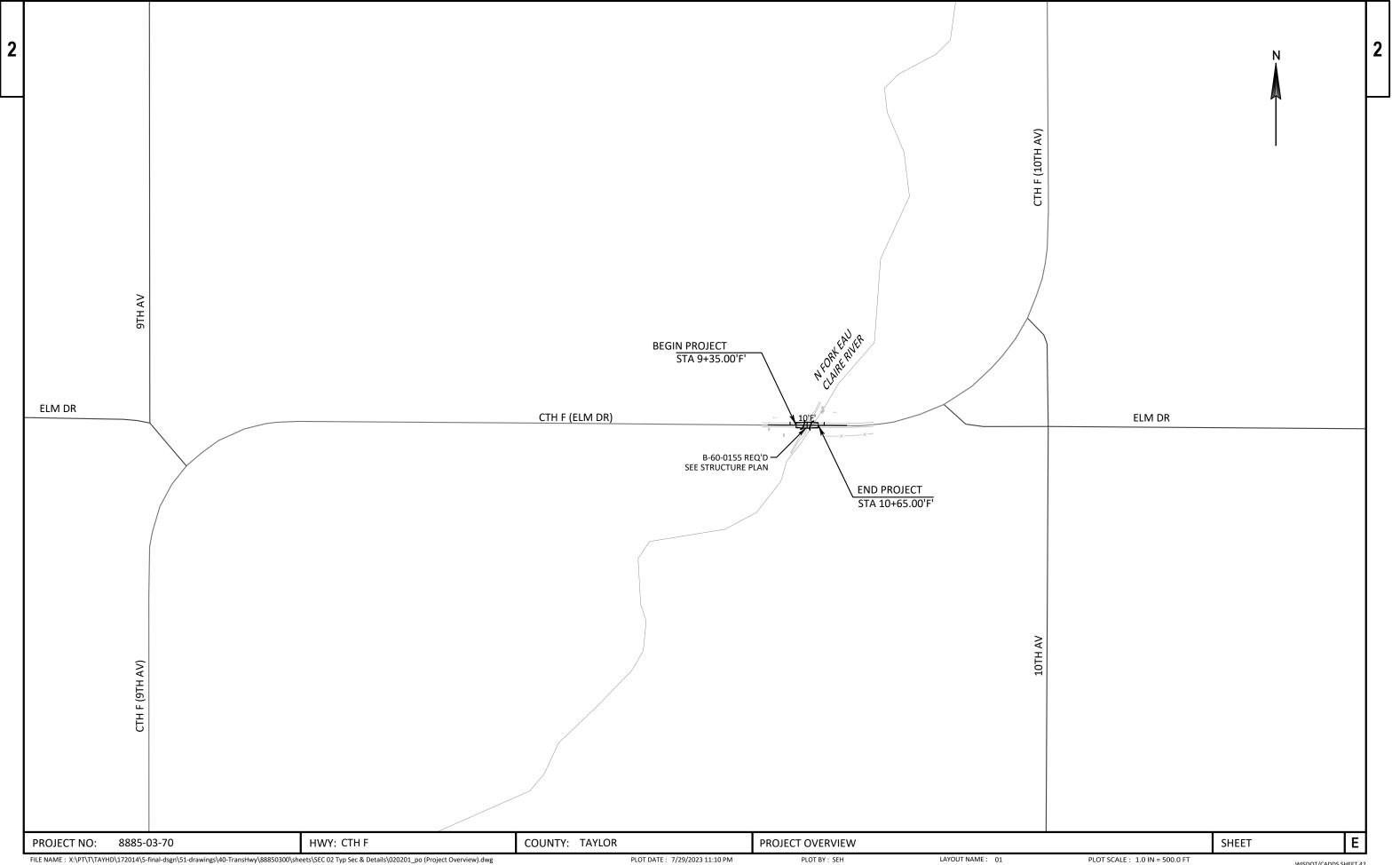
APPROACHES SHALL BE PLACED IN TWO LIFTS. THE 4" OF ASPHALTIC ALL CONSIST OF A 2" LOWER LAYER AND A 2" UPPER LAYER.

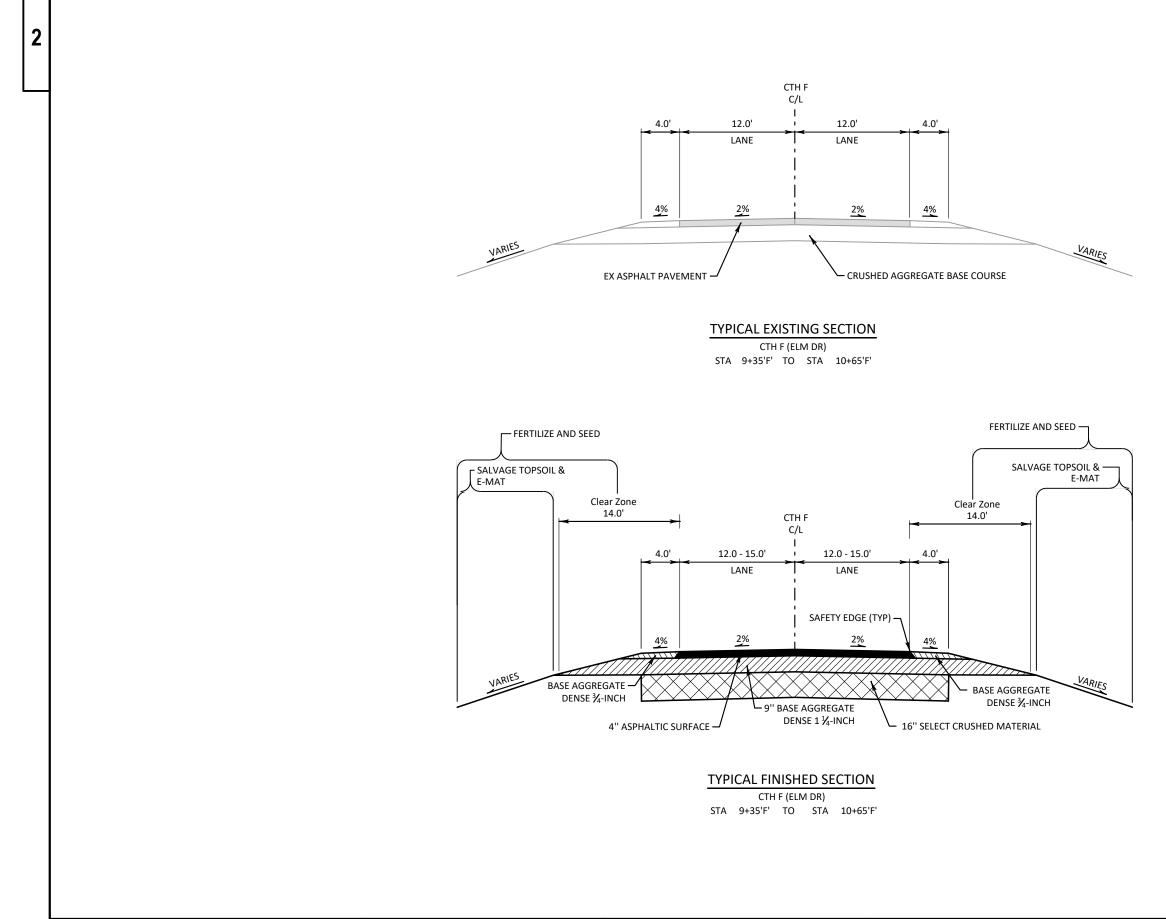
COAT AT A RATE OF 0.07 GAL/SY TO MILLED SURFACE AND 0.05 GA/SY YERS OF ASPHALTIC SURFACE.

JRFACE WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

CTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN AND TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT ASPHALTIC SURFACE LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

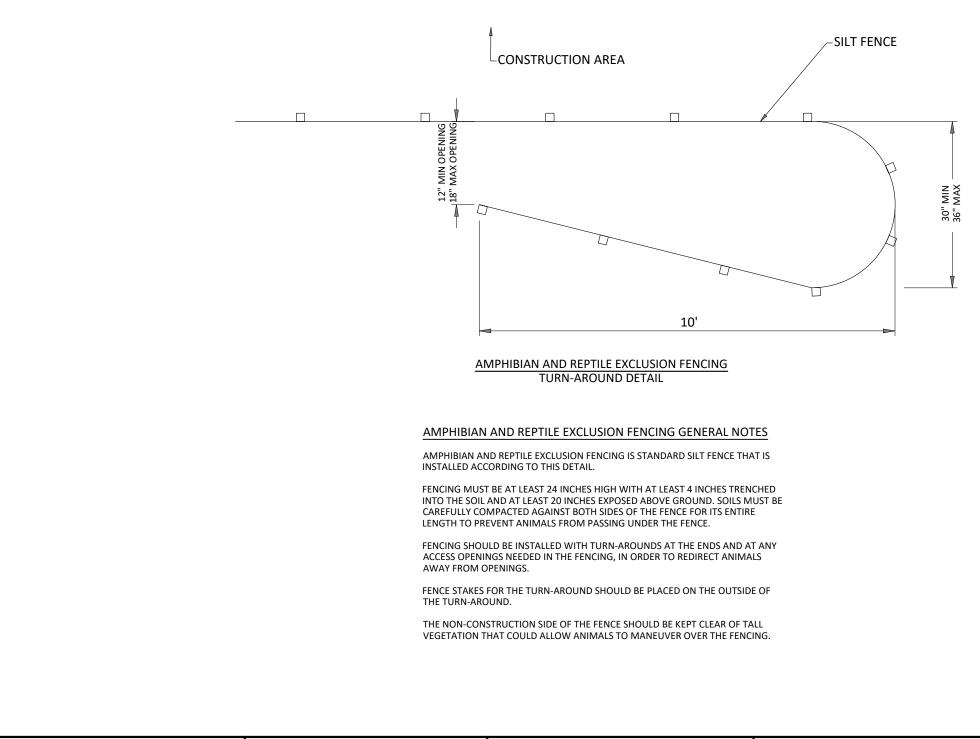
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PROJE	ECT NO:	8885-03-70	HWY: CTH F	COUNTY: TAYLOR	TYPICAL SECTIONS	
FILE NAME : X:\PT\T\TAYHD\172014\5-final-dsgn\51-drawings\40-TransHwy\88850300\sheets\SEC 02 Typ Sec & Details\020300_ts (Typical Sections).dwg				PLOT DATE: 7/29/2023 11:13 PM	PLOT BY : SEH	LAYOUT NAME : 01

SHEET



	PROJECT NO:	8885-03-70	HWY: CTH F	COUNTY: TAYLOR	CONSTRUCTION DETAILS	
FILE NAME : X:\PT\T\TAYHD\172014\5-final-dsgn\51-drawings\40-TransHwy\88850300\sheets\SEC 02 Typ Sec & Details\021000_cd (Constr Details).dwg				PLOT DATE : 7/29/2023 11:14 PM	PLOT BY : SEH	LAYOUT NAME : 01

2

WISDOT/CADDS SHEET 42

Estimate Of Quantities

					8885-03-70
Line	Item	Item Description	Unit	Total	Qty
0002	203.0220	Removing Structure (structure) 01. P-60-953	EACH	1.000	1.000
0004	205.0100	Excavation Common	CY	301.000	301.000
0006	206.1001	Excavation for Structures Bridges (structure) 01. B-60-0155	EACH	1.000	1.000
8000	210.1500	Backfill Structure Type A	TON	432.000	432.000
0010	213.0100	Finishing Roadway (project) 01. 8885-03-70	EACH	1.000	1.000
0012	305.0110	Base Aggregate Dense 3/4-Inch	TON	40.000	40.000
0014	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	180.000	180.000
0016	312.0110	Select Crushed Material	TON	280.000	280.000
0018	455.0605	Tack Coat	GAL	12.000	12.000
0020	465.0105	Asphaltic Surface	TON	52.000	52.000
0022	502.0100	Concrete Masonry Bridges	CY	159.000	159.000
0024	502.3200	Protective Surface Treatment	SY	210.000	210.000
0026	505.0400	Bar Steel Reinforcement HS Structures	LB	5,060.000	5,060.000
0028	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	22,510.000	22,510.000
0030	513.4061	Railing Tubular Type M	LF	90.000	90.000
0032	516.0500	Rubberized Membrane Waterproofing	SY	14.000	14.000
0032	550.2104	Piling CIP Concrete 10 3/4 X 0.25-Inch	LF	1,280.000	1,280.000
0034	606.0300	Riprap Heavy	CY	140.000	140.000
0038	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	140.000	154.000
		Maintenance and Repair of Haul Roads (project) 01. 8885-03-70	EACH	1.000	1.000
0040	618.0100				
0042	619.1000	Mobilization	EACH	1.000	1.000
0044	624.0100	Water	MGAL	2.000	2.000
0046	625.0500	Salvaged Topsoil	SY	103.000	103.000
0048	628.1104	Erosion Bales	EACH	45.000	45.000
0050	628.1504	Silt Fence	LF	585.000	585.000
0052	628.1520	Silt Fence Maintenance	LF	1,170.000	1,170.000
0054	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0056	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0058	628.2027	Erosion Mat Class II Type C	SY	105.000	105.000
0060	628.6005	Turbidity Barriers	SY	57.000	57.000
0062	629.0210	Fertilizer Type B	CWT	1.100	1.100
0064	630.0110	Seeding Mixture No. 10	LB	6.500	6.500
0066	630.0200	Seeding Temporary	LB	6.500	6.500
0068	630.0500	Seed Water	MGAL	5.000	5.000
0070	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000
0072	637.2230	Signs Type II Reflective F	SF	12.000	12.000
0074	642.5001	Field Office Type B	EACH	1.000	1.000
0076	643.0420	Traffic Control Barricades Type III	DAY	750.000	750.000
0078	643.0705	Traffic Control Warning Lights Type A	DAY	1,170.000	1,170.000
0080	643.0900	Traffic Control Signs	DAY	590.000	590.000
0082	643.5000	Traffic Control	EACH	1.000	1.000
0084	645.0111	Geotextile Type DF Schedule A	SY	100.000	100.000
0086	645.0120	Geotextile Type HR	SY	240.000	240.000
0088	646.2020	Marking Line Epoxy 6-Inch	LF	520.000	520.000
0090		Construction Staking Subgrade	LF		
	650.4500			88.000	88.000
0092	650.5000	Construction Staking Base	LF	88.000	88.000
0094	650.6501	Construction Staking Structure Layout (structure) 01. B-60-0155	EACH	1.000	1.000
0096	650.9911	Construction Staking Supplemental Control (project) 01. 8885-03-70	EACH	1.000	1.000
0098	650.9920	Construction Staking Slope Stakes	LF	88.000	88.000
0100	690.0150	Sawing Asphalt	LF	48.000	48.000

10/27/2023 12:58:52

Page 1

			Estimate	Of Quantitie
				8885-03
Line Item	Item Description	Unit	Tota	l Qt
0102 715.0502	Incentive Strength Concrete Structures	DOL	954.	000 954
0104 ASP.1T04	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.	000 300
0106 ASP.1T00	On-the-Job Training Graduate at \$5.00/HR	HRS	300.	000 300
0108 SPV.0090	Special 01. Flashing Stainless Steel	LF	86.	000 86

10/27/2023 12:58:52

Page 2

			205.0100 EXCAVATION COMMON (1)	AVAILABLE MATERIAL (2)	EXPANDED FILL (3)		FINISHI	ING ROADWAY						<u>BASE /</u> 305.011	AGGREGATE DENSE	E 5.0120	312.0110	624.0100
STATION		LOCATION	CY	CY	CY				213.0100					BASE AGGRE		GGREGATE	SELECT CRUSHED	
9+35 - 9+79		LT & RT	162	149	0		STATION		EACH					DENSE 3/4-I		1 1/4-INCH	MATERIAL	WATER
10+21 - 10+65	5		139	126	7		PROJECT LENGTH	ł	1	_	STATION	TO STA	ION LOCATIO	N TON	-	TON	TON	MGAL
PRO	OJECT TOT	AL	301	275	7		PROJECT TOTAL		1		9+35	- 9+	35 LT & R ⁻	20		90	140	1
NOTES:										_	10+16	- 10+	65 LT & R ⁻	20		90	140	1
,	MATERIAL ATE VOLUI	DOES NOT INCL ME.	NCLUDED IN COMMC	N EXCAVATION.	ND EXISTING							PROJECT TO	TAL	40		180	280	2
											D REPAIR OF 385-03-70)							
			ASP	HALTIC SURFACE							618.01	100*			М	IOBILIZATIONS	EROSION CONTROL	
					455.0605	465.01	05		STATION		EAC	Ή			_	628.190		8.1910
						ASPHAL	TIC		PROJECT LENGTH		1					MOBILIZAT		ONS EMERGENCY
					TACK COAT	SURFA			PROJECT TOTAL		1					EROSION CO		N CONTROL
		STATION		LOCATION	GAL	TON	I		*CATEGORY 0030 FUNDING	i					STATION	EACH	E	ACH
		9+35 - 9+83		LT & RT	6	26								PF	OJECT LENGTH	5		3
		10+17 - 10+65		LT & RT	6	26			<u>IVI</u>	10BILIZATI		0		Р	ROJECT TOTAL	5		3
	P	ROJECT TOTAL			12	52			STATION		619.100 EACH							
									8885-03-70		1							
									PROJECT TOTAL		1							
												628.1104	628.1504	EROSION CONTROL 628.1520	<u>- ITEMS</u> 628.2027	628.6005		
				TOPSOIL, MULCHING	G AND SEEDING									SILT FENCE	EROSION MAT			
			625.0500	629.0210	630.0		630.0200	630.0500				EROSION BALES	SILT FENCE	MAINTENANCE	CLASS II TYPE C			
			SALVAGED TOPS	OIL FERTILIZER TYP	PE B SEEDING N NO.		TEMPORARY SEEDING	SEED WATER	STATION		LOCATION	EACH	LF	LF	SY	SY	REMA	ARKS
STATIC	N	LOCATION	SY	CWT	LB		LB	MGAL	9+30 - 10+		LT	6	128	256	14	-		
9+35 - 9		LUCATION	14	0.02	1.0		1.0	1 1 1	9+31 - 9+		RT	10	95	190	9	-		
9+35 - 9		RT	9	0.02	0.7		0.7	÷ 1	9+62 - 9+		RT	-	-	-	-	7	TEMPORARY DURIN	IG PIPE REMOVAL
10+31 - 10		LT	30	0.02	1.3		1.3	- 1	9+78 - 10+		LT & RT	-	-	-	-	19		
10+15 - 10		RT	29	0.03	1.4		1.4	1	9+97 - 10+		RT	13	150	300	29	-		
	JNDISTRIB		21	1.0	2		2	1	10+00 - 10 10+30 - 10		LT & RT LT	- 6	- 95	- 190	- 30	19		
F	PROJECT T	DTAL	103	1.1	6.5	,	6.5	5		NDISTRIBU		10	117	234	21	- 12		
										ROJECT TO		45	585	1170	105	57		

			625.0500	629.0210	630.0110	630.0200	630.0500
			SALVAGED TOPSOIL	FERTILIZER TYPE B	SEEDING MIXTURE NO. 10	TEMPORARY SEEDING	SEED WATER
	STATION	LOCATION	SY	CWT	LB	LB	MGAL
	9+35 - 9+85	LT	14	0.02	1.0	1.0	1
	9+35 - 9+69	RT	9	0.02	0.7	0.7	1
	10+31 - 10+65	LT	30	0.03	1.3	1.3	1
	10+15 - 10+65	RT	29	0.03	1.4	1.4	1
	UNDISTRIE	BUTED	21	1.0	2	2	1
	PROJECT T	OTAL	103	1.1	6.5	6.5	5
PROJE	ECT NO: 888	5-03-70		HWY: CTH F		COUNTY:	TAYLOR

FILE NAME : X:\PT\T\TAYHD\172014\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\88850300\SHEETS\SEC 03 MISC QTYS\030201-MQ (MISC QTYS).DWG LAYOUT NAME - 01

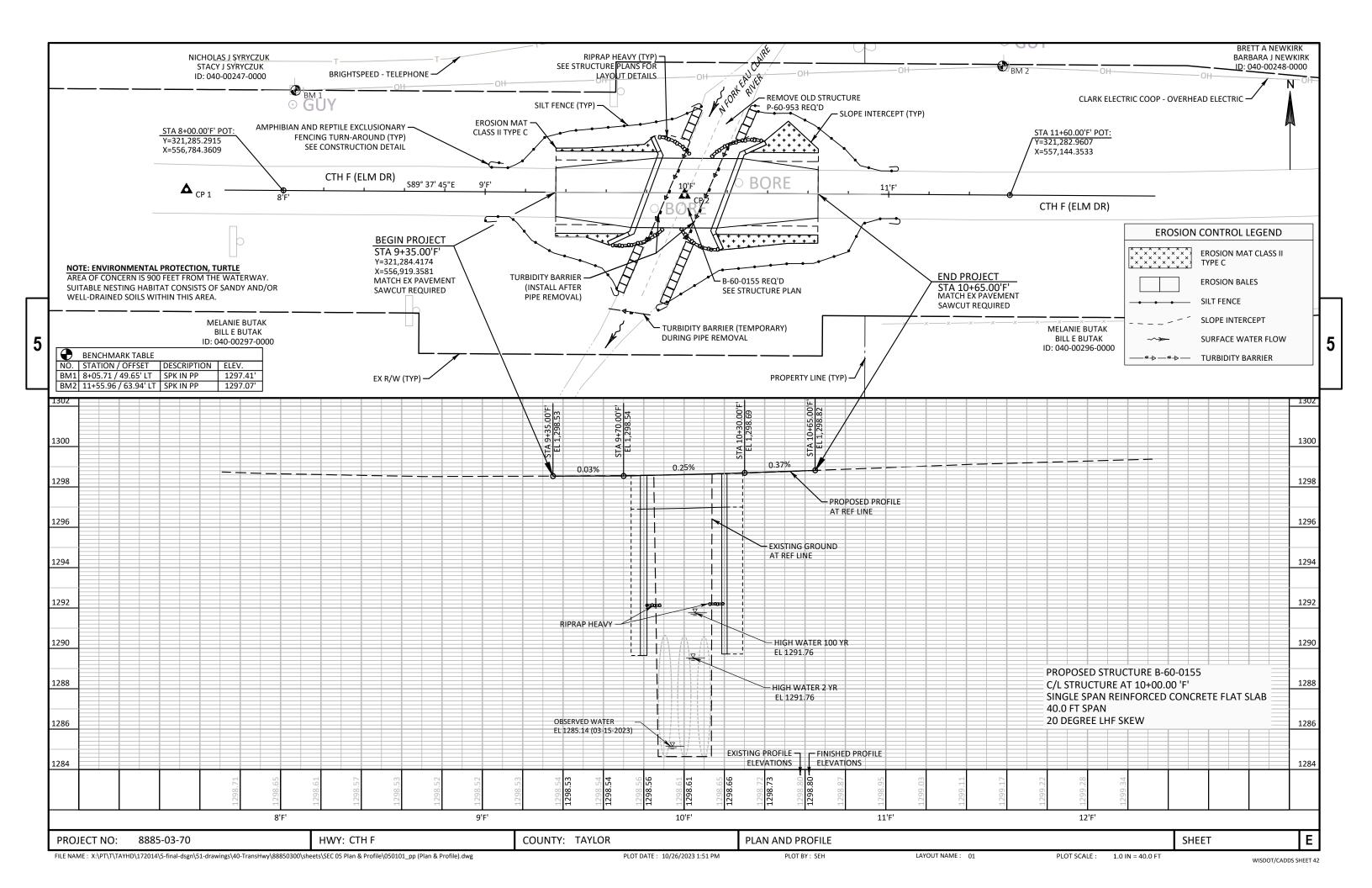
PLOT BY : SAVANNAH STEHN PLOT DATE : 10/27/2023 12:33 PM

PLOT NAME :

			SIZ	ZE		PO	534.0612 STS WOOD INCH X 12-FT	637.2230 SIGNS TYPE II REFLECTIVE F			!	FIELD OFFICE TYPE E	<u>B</u> 425001	
STATIO	DN LOCATION	SIGN CODE	(INCH)	(INCH)	MESSAGE		EACH	SF			STATIO	N	423001 EAC	
9+72	RT	W5-52-R	12		CLEARANCE STRIPER		1	3			8885070		1	
985	LT	W552L	12	36	CLEARANCE STRIPER		1	3			PROJECT TO	OTAL	1	
1015	RT	W552L	12	36	CLEARANCE STRIPER		1	3						
1028	LT	W552R	12	36	CLEARANCE STRIPER		1	3						
		Ρ	ROJECT TOT <i>I</i>	AL.			4	12						
					TRAFFIC CONTROL									
				40420		40705		40900				PAVEMEN	NT MARKING	
		APPRO SERVICE		TRAFFIC CONTRO BARRICADES TYPE		RAFFIC CONTROL NING LIGTS TYPE		TRAFFIC CONTROL SIGNS						.020
STAGE	PROJECT LOCATION	PERIOD DAYS	TY	DAY	TY	DAY	ΤY	DAY	RE	MARKS				NE EPOY INC
													YELLOW	<u>WITE</u>
1	WEST APPROAC	5	9	15	14	490	7	245	SEE SDD 15C02	09A 15C0209B	STATION 95 105	LOCATION	LF 20	LF 20
												CT TOTAL		520
1	EAST APPROAC	5	9	15	14	490	7	245	SEE SDD 15C02	09A 15C0209B	TROJEC	TIOTAL		520
	UNDISTRIBUTED			120		190		100						
	PROJEC	T TOTAL		750		1,170		590						
				CONSTRU	ICTION STAKING									
													SAWING	
		504500		505000	50501	5	509911	509920						900150
		CONSTRUCTIC STAKING SUBGR	DN RADE	CONSTRUCTION STAKING BASE	CONSTRUCTION STAKIN STRUCTURE LAYOUT B00155	SUPPLEN	UCTION STAKING 1ENTAL CONTROL 85070	CONSTRUCTION SLOPE ST/	STAKING KES		STATION		ATION	ASPALT LF
	STATION	LF		LF	EAC		EAC	LF			95 105		RT	24 24
	95 105	88		88	1		1	88				PROJECT TOTAL		48
F	ROJECT TOTAL	88		88	1		1	88						

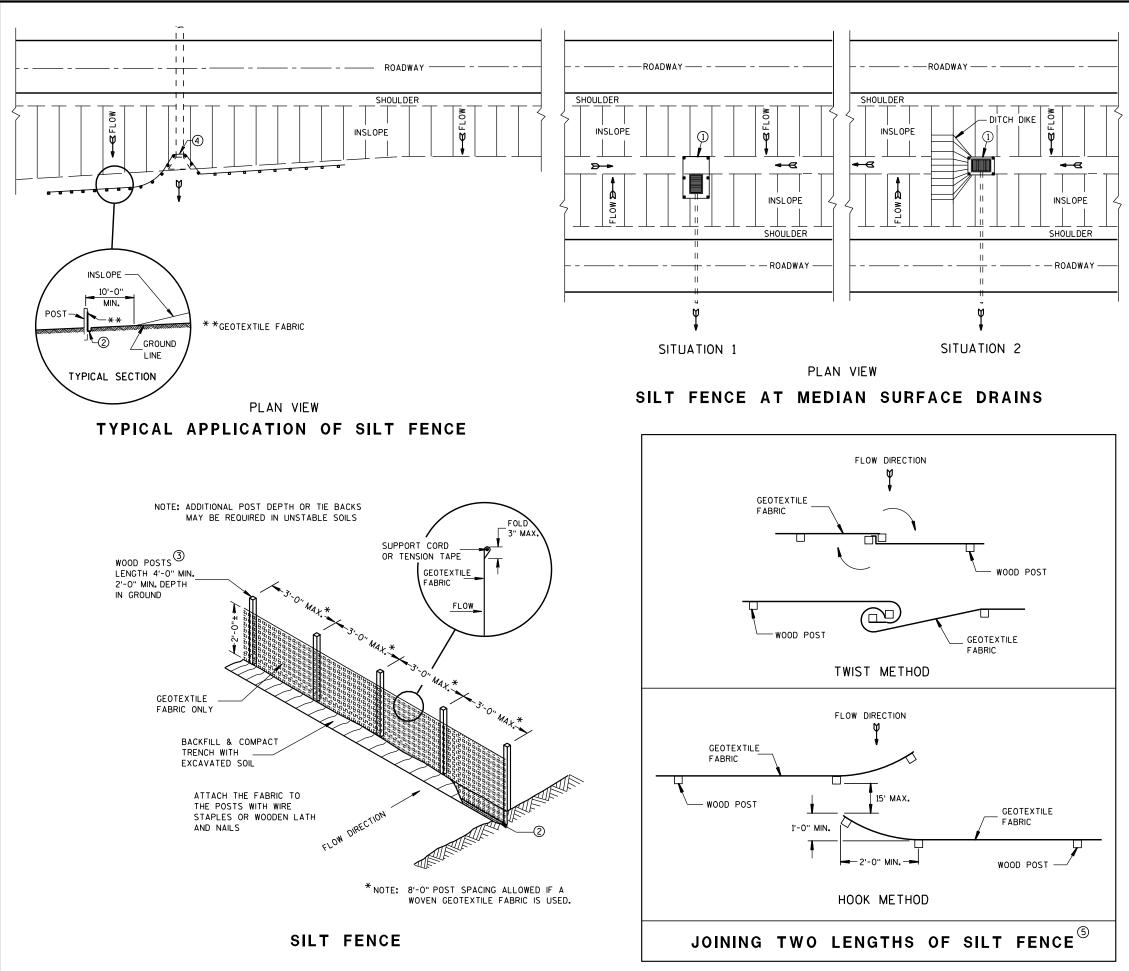
WISDOTCADDS SEET 42

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Standard Detail Drawing List

08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
14B29-01	SAFETY EDGE
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRI CADES AND SI GNS FOR VARI OUS CLOSURES
15C06-12	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS



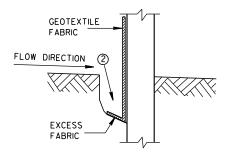
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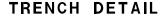
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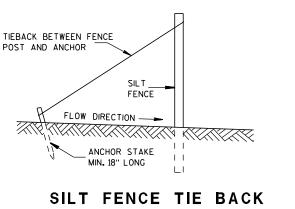
GENERAL NOTES

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

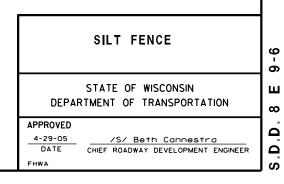
- \bigcirc horizontal brace required with 2" x 4" wooden frame or equivalent at top of posts.
- (2) FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- (3) 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.

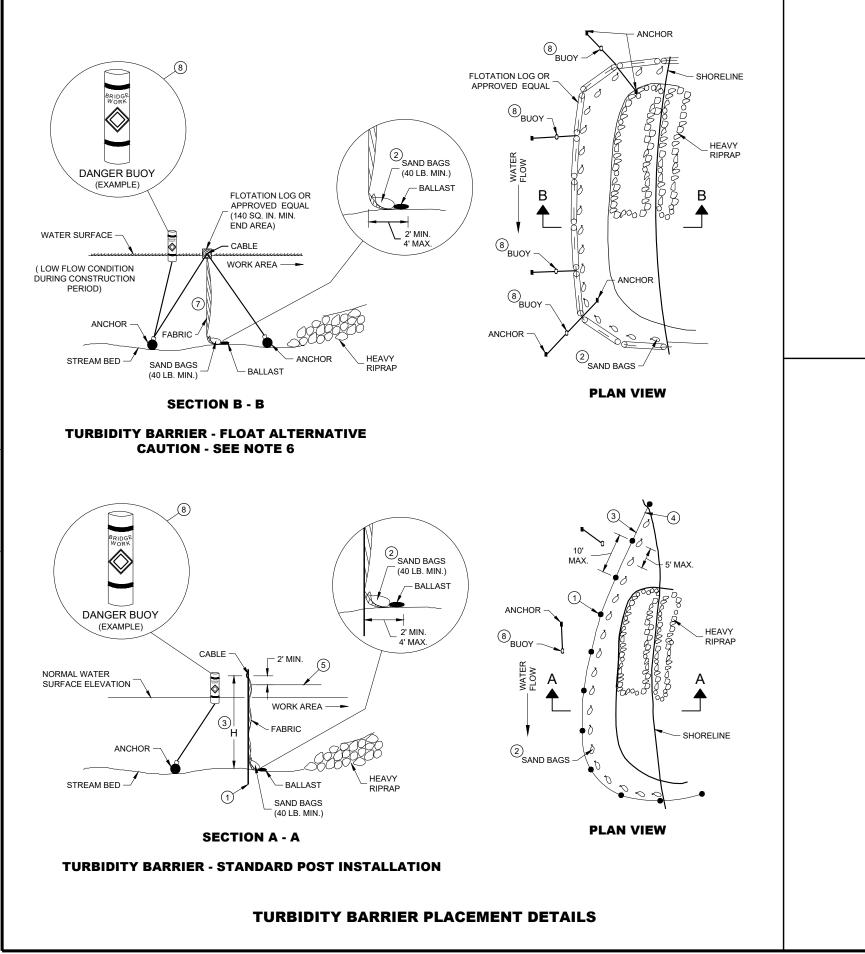




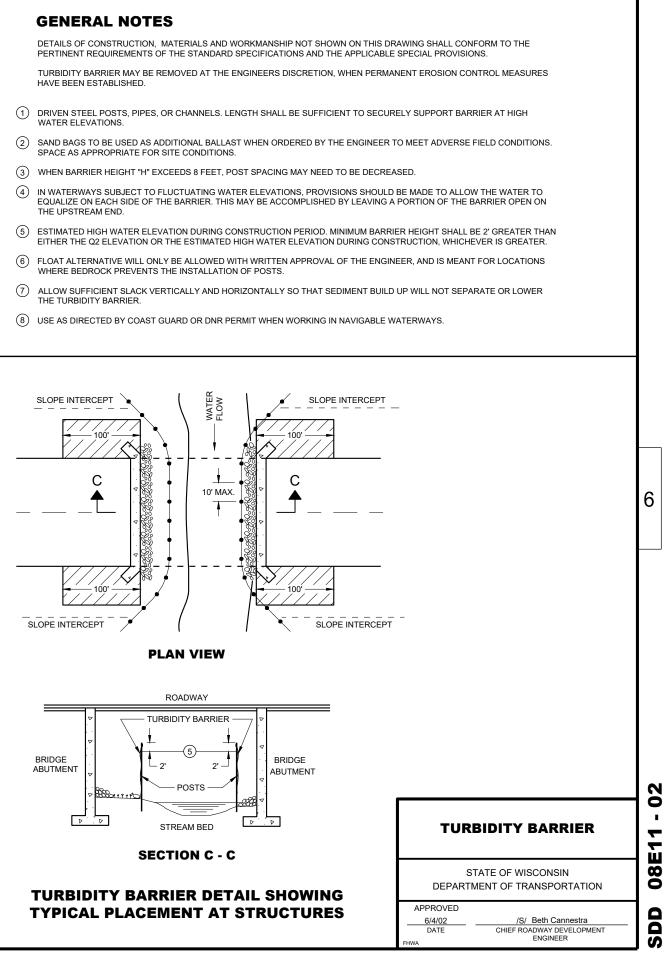


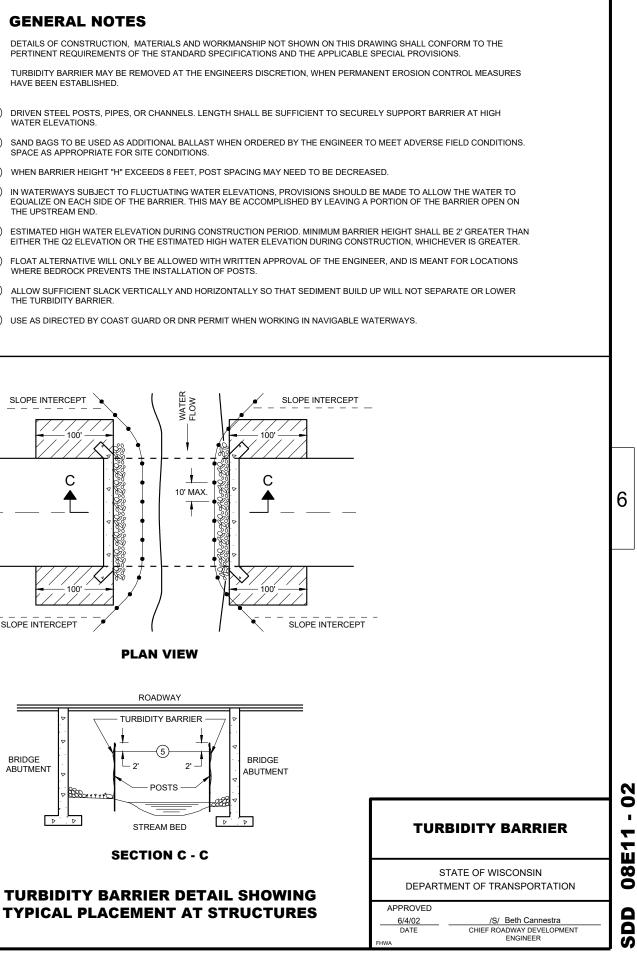
(WHEN REQUIRED BY THE ENGINEER)



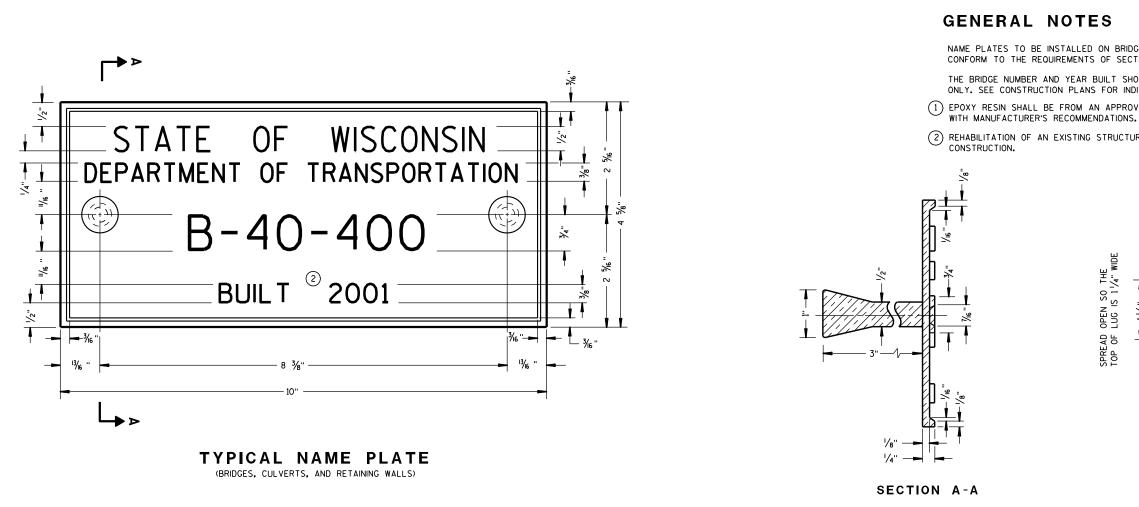


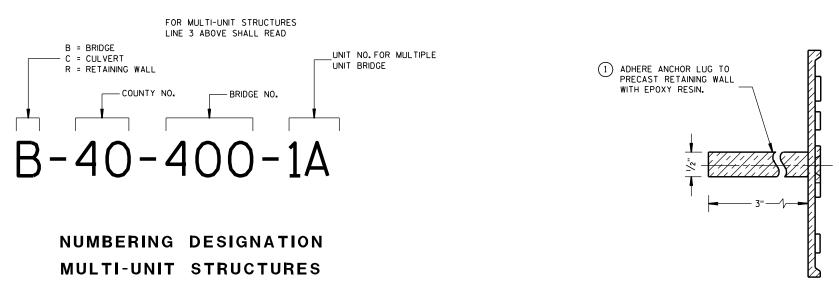
- WATER ELEVATIONS.





SDD 08E -. 02



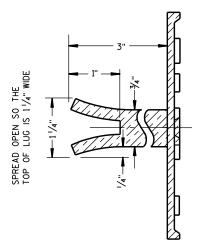


ALTERNATE LUG (FOR ATTACHMENT TO PRECAST STRUCTURES)

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

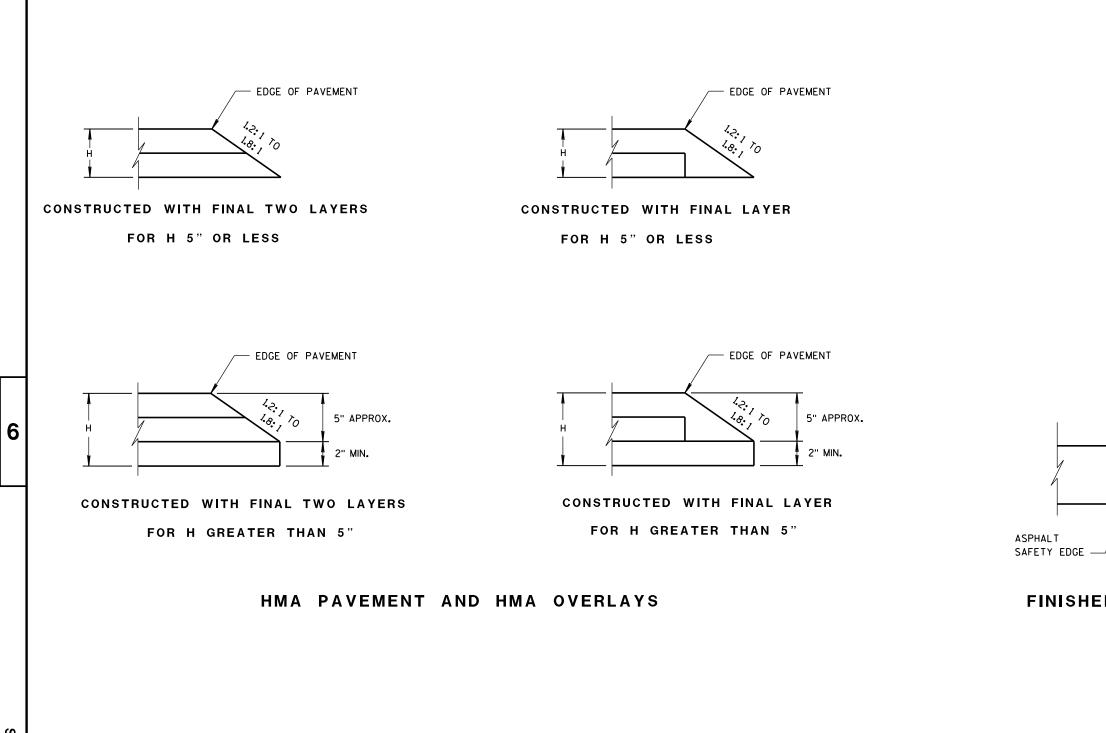
APPROVED

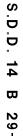
3/26/10 DATE FHWA

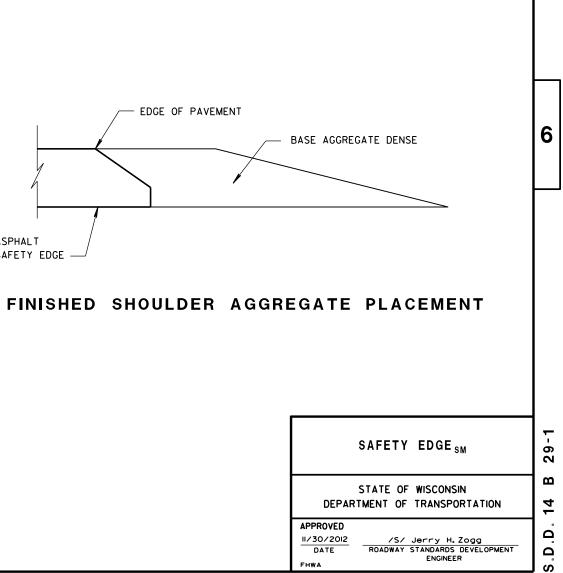
/S/ Scot Becker CHIEF STRUCTURAL DEVELOPMENT ENGINEER 3-10 ∢ 2 Δ

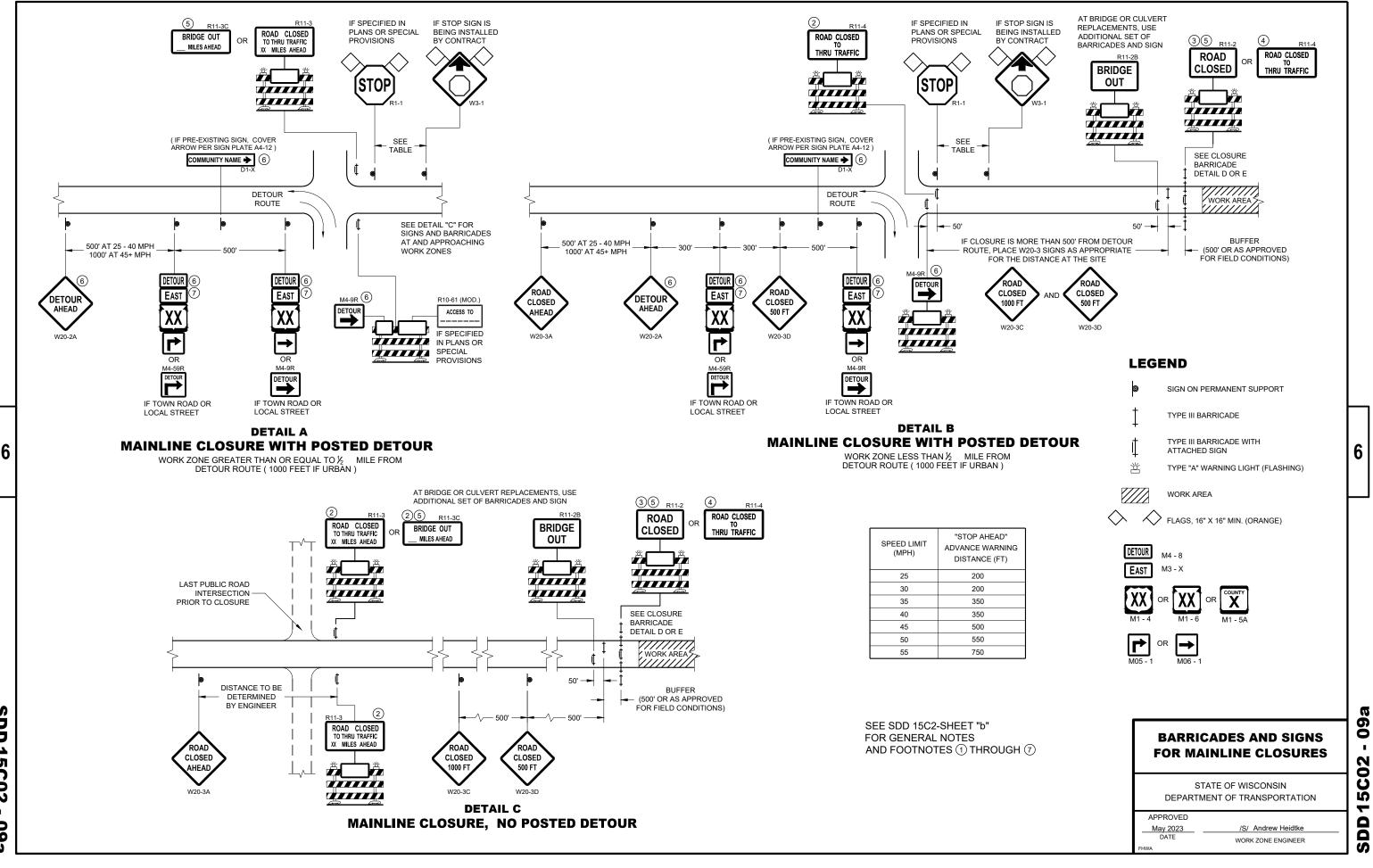
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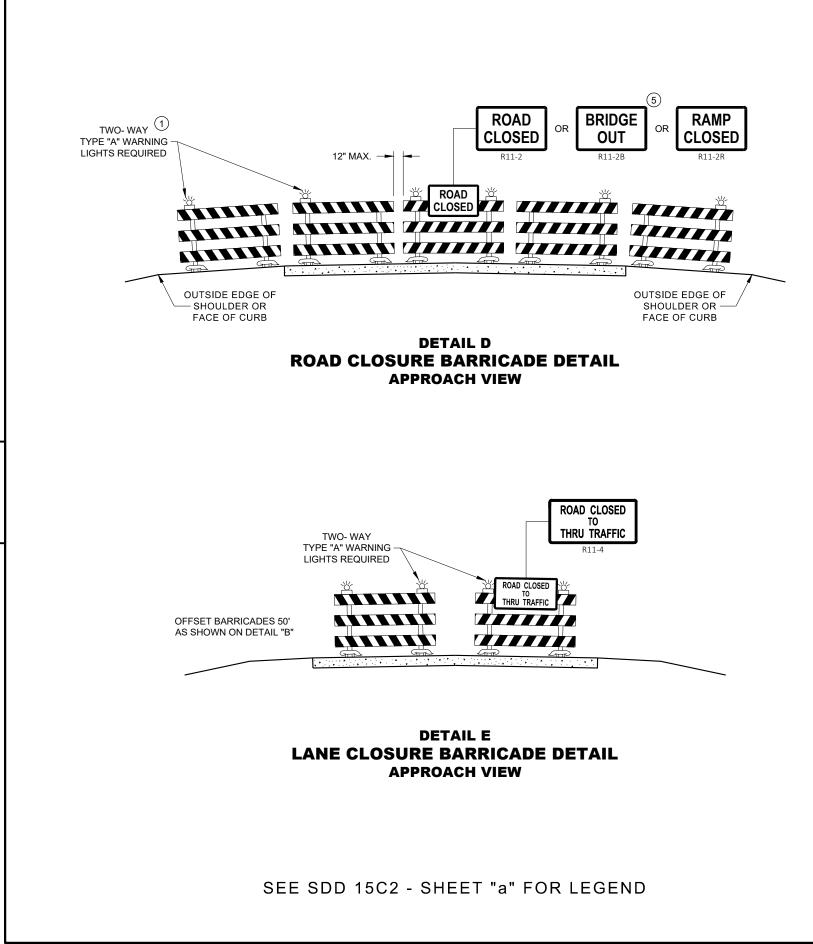








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GENERAL NOTES

FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SUPPORTS.

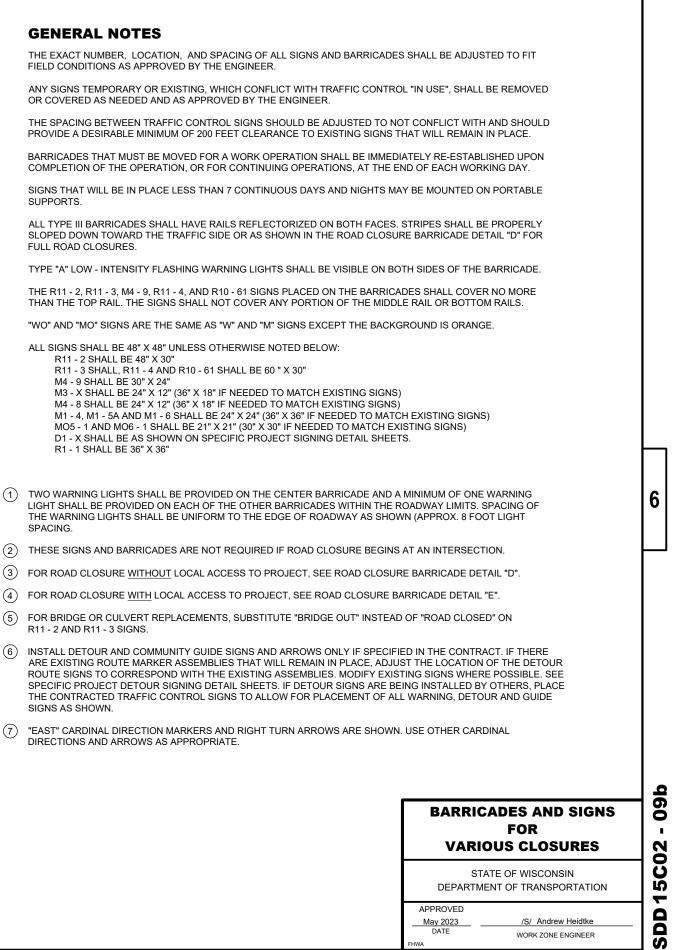
FULL ROAD CLOSURES.

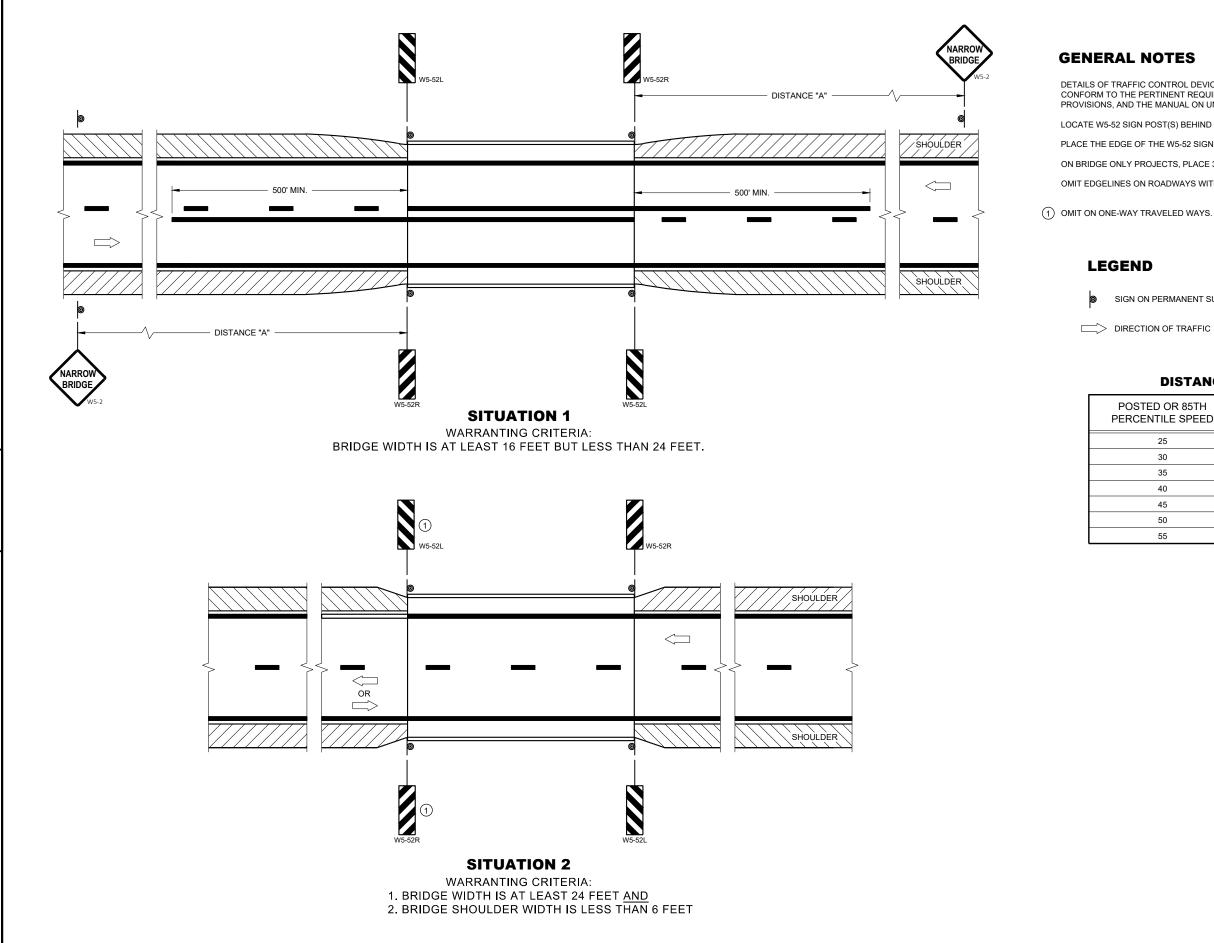
THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"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)

 - D1 X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
 - R1 1 SHALL BE 36" X 36"
- (1)TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING 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.
- (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.





SDD

15C06-12

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

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

6

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SIGNING AND MARKING FOR TWO LANE BRIDGES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

/S/ Jeannie Silver STATE SIGNING AND MARKING ENGINEER

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

- 2" MIN. 2

NOTE: TYPICALLY LEFT OF CENTER

LINE IN THE -

OF TRAFFIC

JOINT LINE

*6" EDGE LINE (WHITE) -

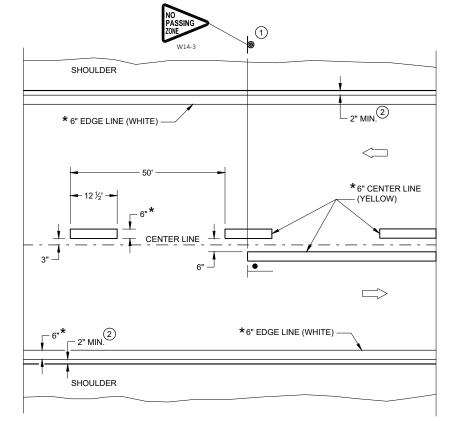
DIRECTION

 \Box

 \Box

(1) Lo (2) M S

• •



TWO WAY TRAFFIC

ONE WAY TRAFFIC

BLACK LAG

MARKING

SHOULDER

6" EDGE LINE (YELLOW) -

2" MIN. 2

SHOULDER

2

3" 🗐

PERMANENT PAVEMENT MARKING

T

50'

LANE LINE

– MARKING

(WHITE)

SDD 15C08-23a

6

GENERAL NOTES

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

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

3a

C08-2

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SD

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

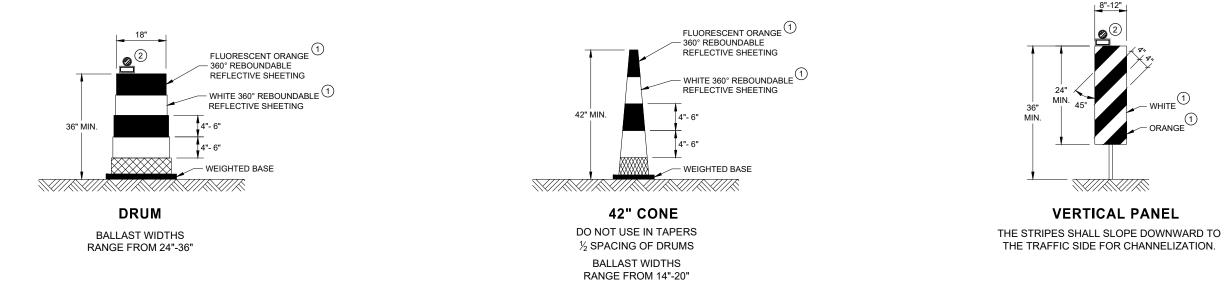
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

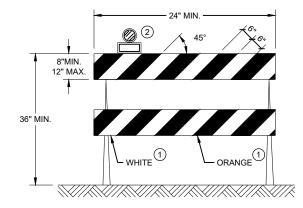
APPROVED May 2023 DATE

/S/ Jeannie Silver STATEWIDE SIGNING AND MARKING ENGINEER

GENERAL NOTES

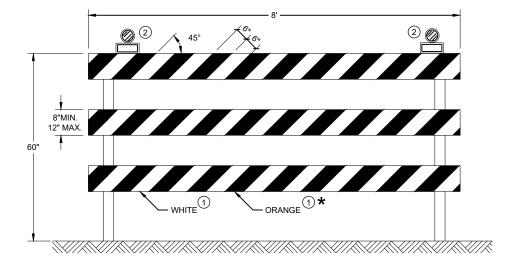
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.





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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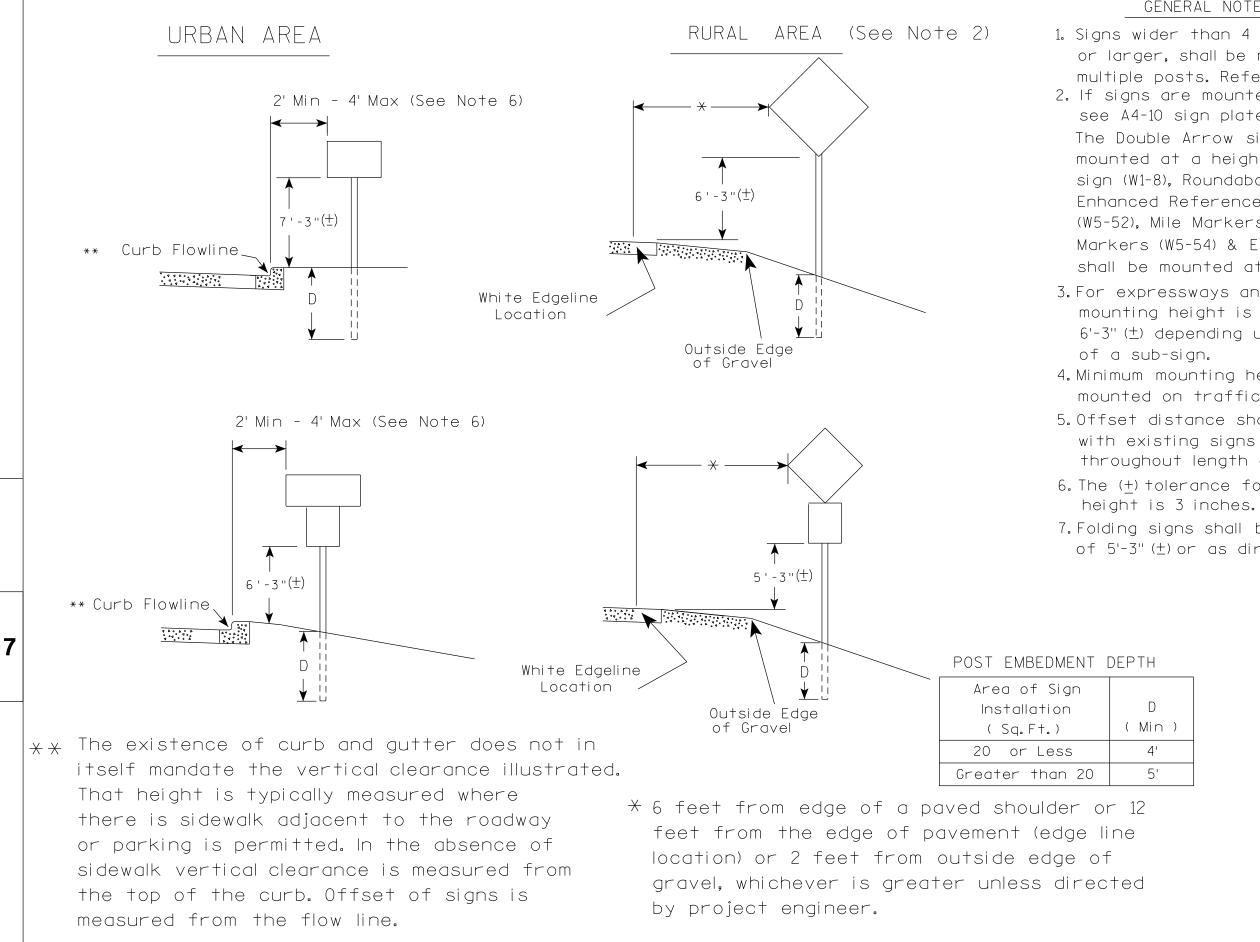
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CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED November 2022 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

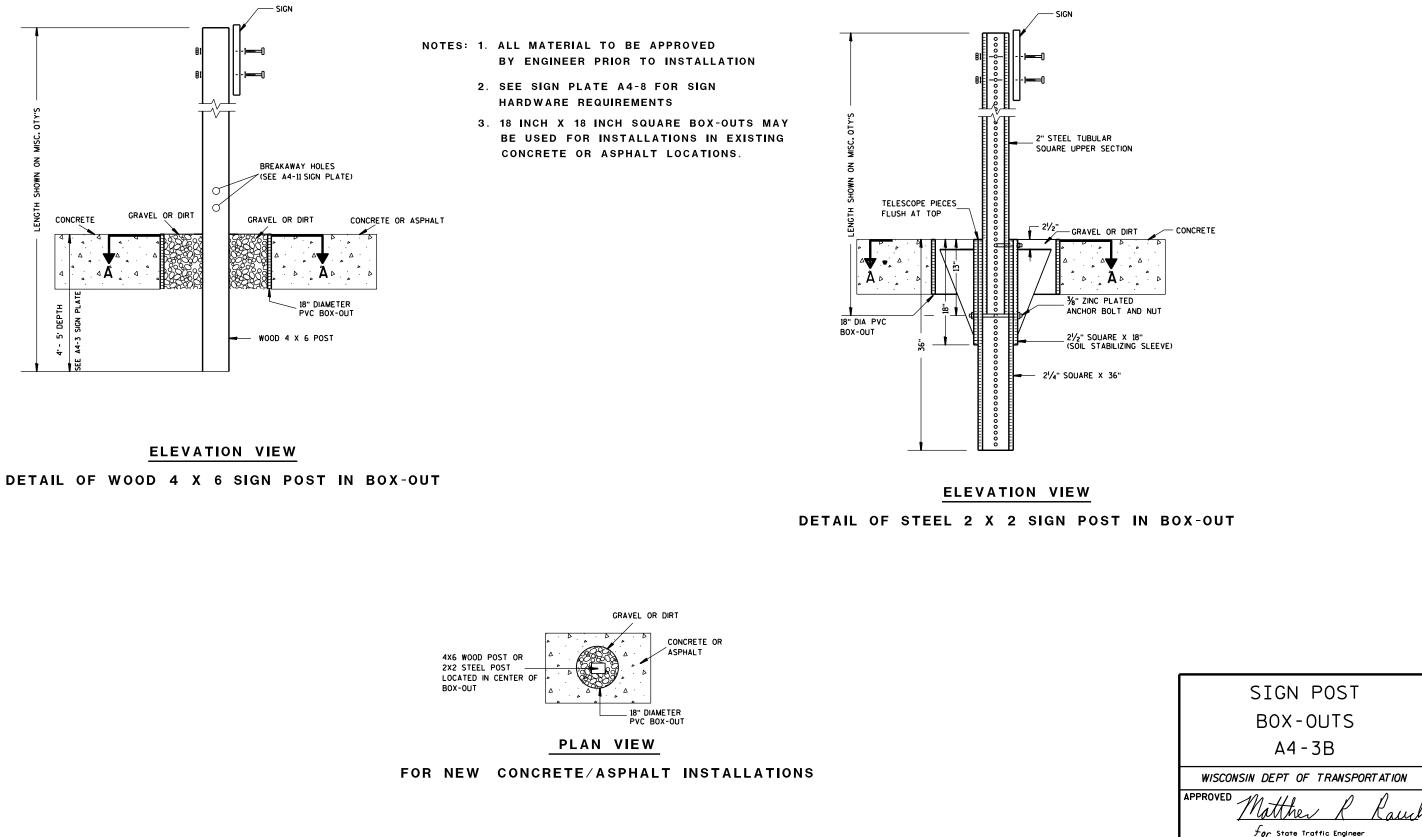


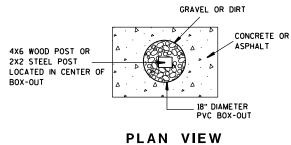
PROJECT NO:	HWY:	COUNTY:			
			DI AT DITE : 47 HUN 0000 4 4	DI OT DY IN IO	DLOT NAME -

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





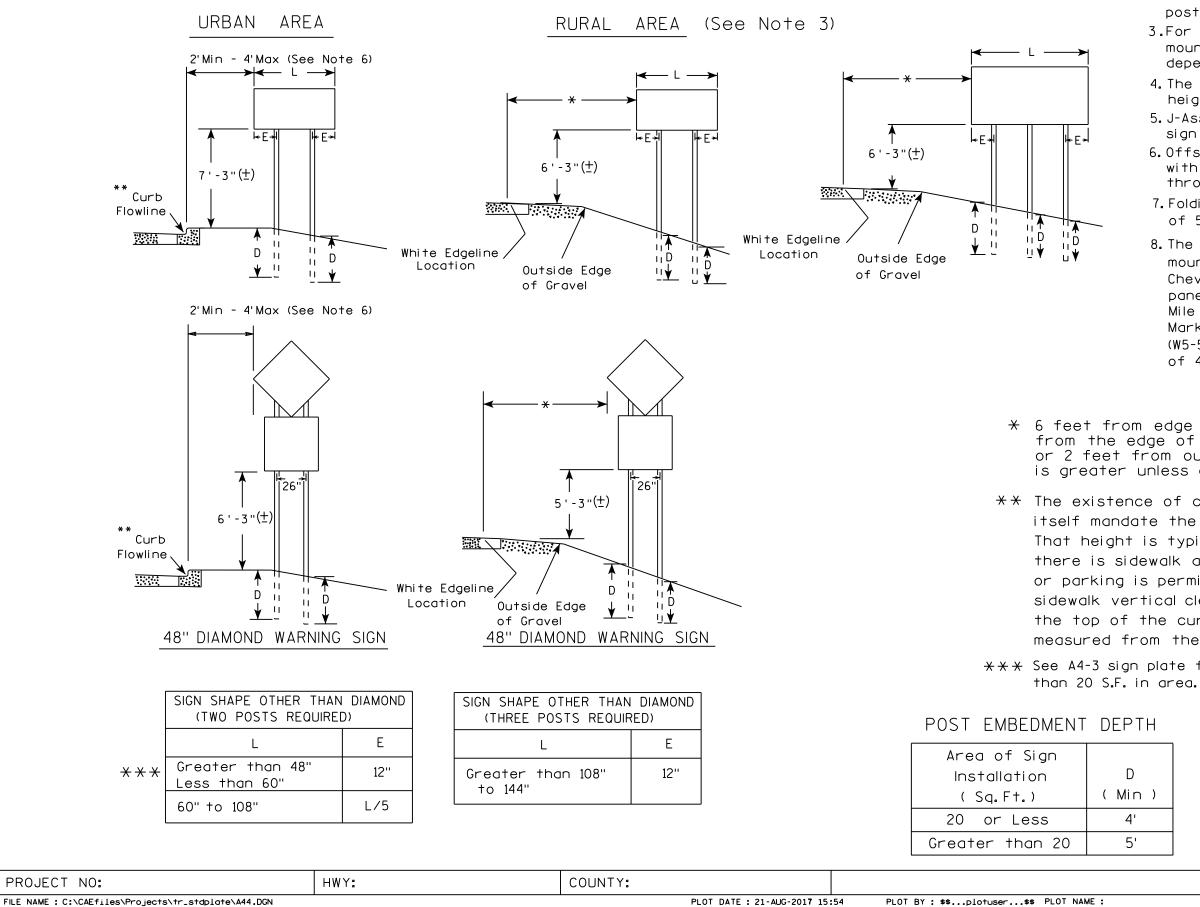
PROJECT NO:	HWY:	COUNTY:				
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN			PLOT DATE : 27-JAN-2014 09:4	8	PLOT BY : mscsja	PLOT NAME :

DATE <u>1/27/14</u>

SHEET NO:

PLATE NO. <u>A4-3B.1</u>

Ε



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

7

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 $7'-3''(\pm)$ or $6'-3''(\pm)$ depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3" (\pm) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3'' (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

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

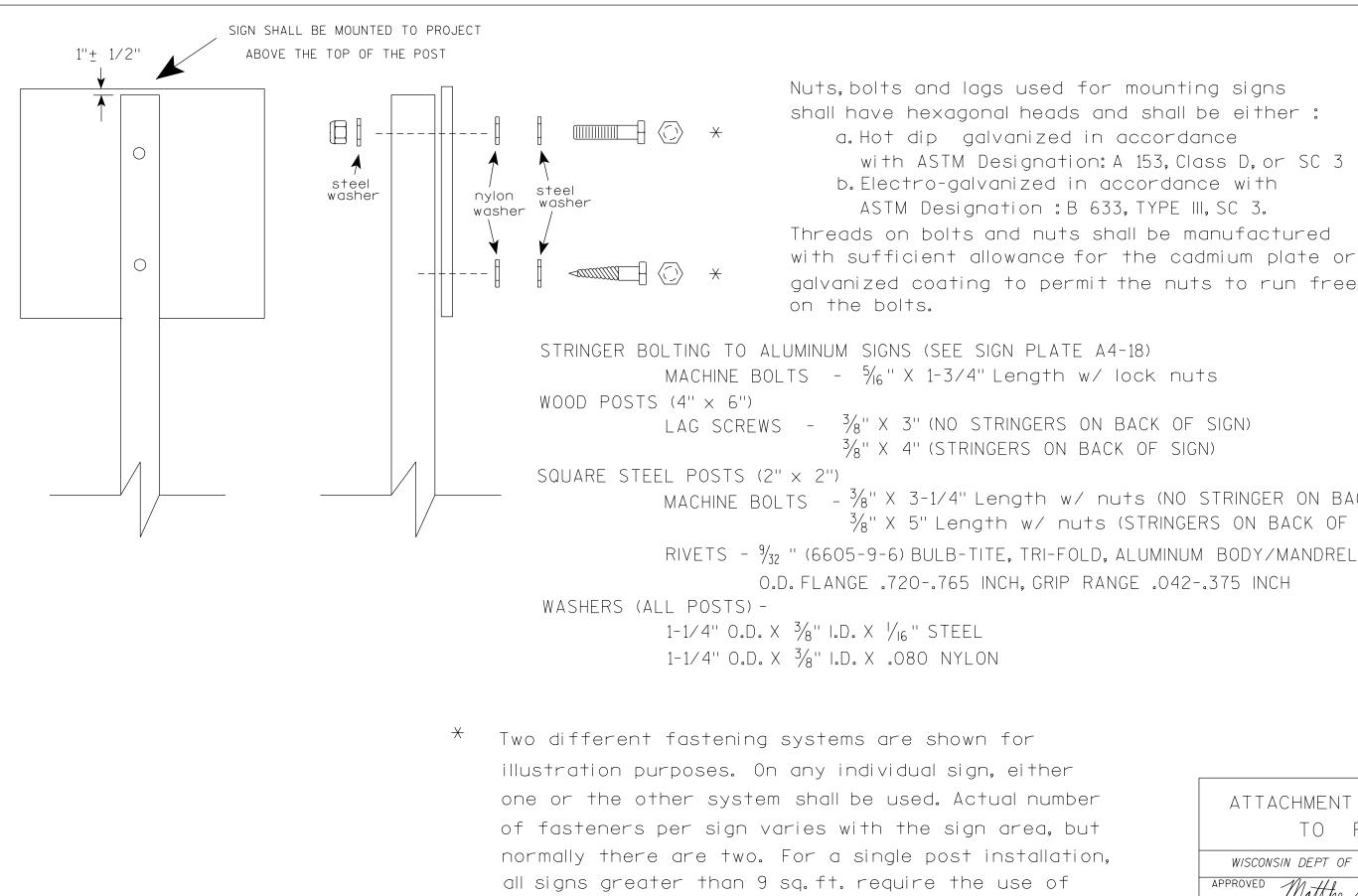
** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

 \times \times See A4-3 sign plate for signs 4' or less in width and less

H	TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS
)	WISCONSIN DEPT OF TRANSPORTATION
,	APPROVED Matther & Rauch
	For State Traffic Engineer
	DATE 8/21/17 PLATE NO. 44-4.15
	SHEET NO: E
DI AT. CA	L 5 - 100 100007-1 00000

PLOT SCALE : 108.188297:1.000000

WISDOT/CADDS SHEET 42



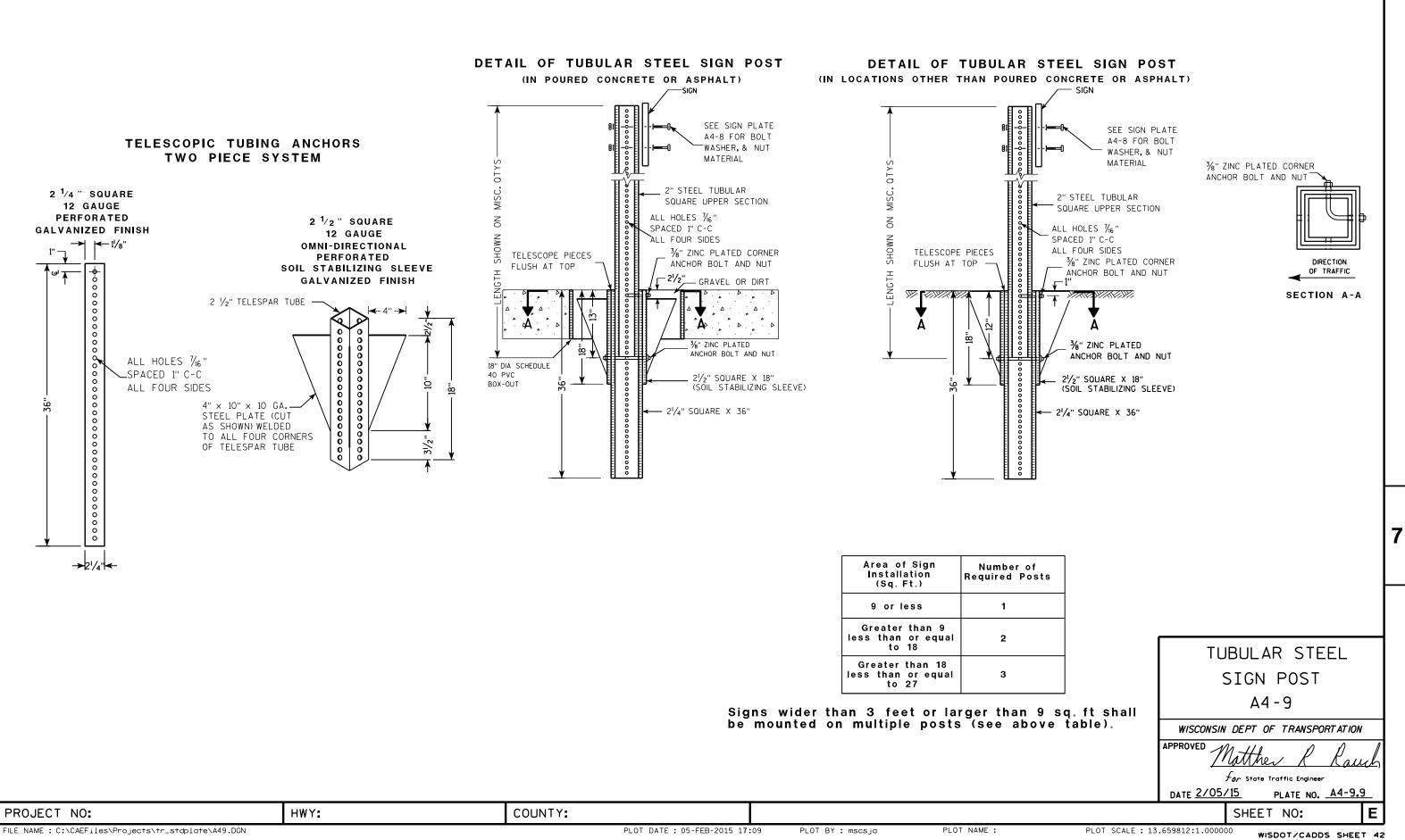
3 fasteners.

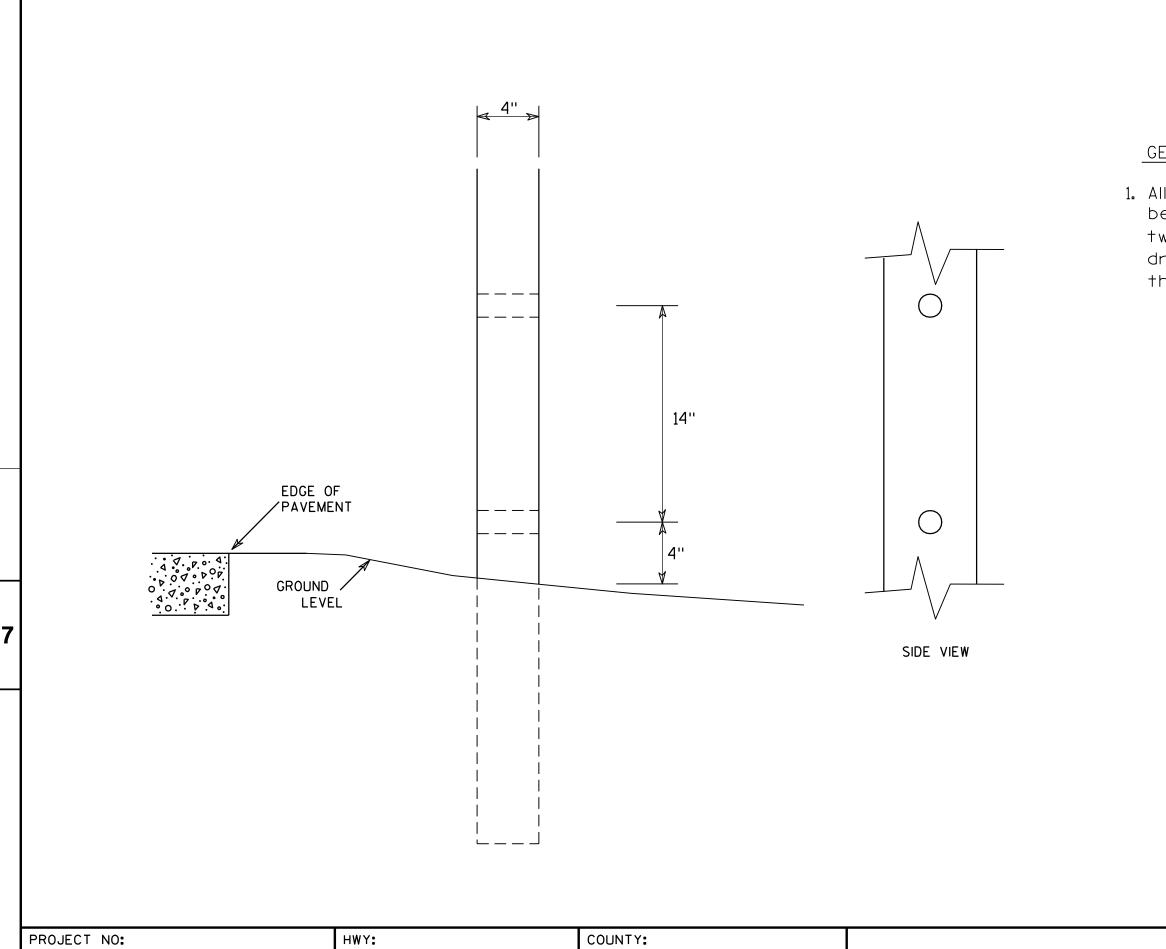
Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either : a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3 b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3. Threads on bolts and nuts shall be manufactured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



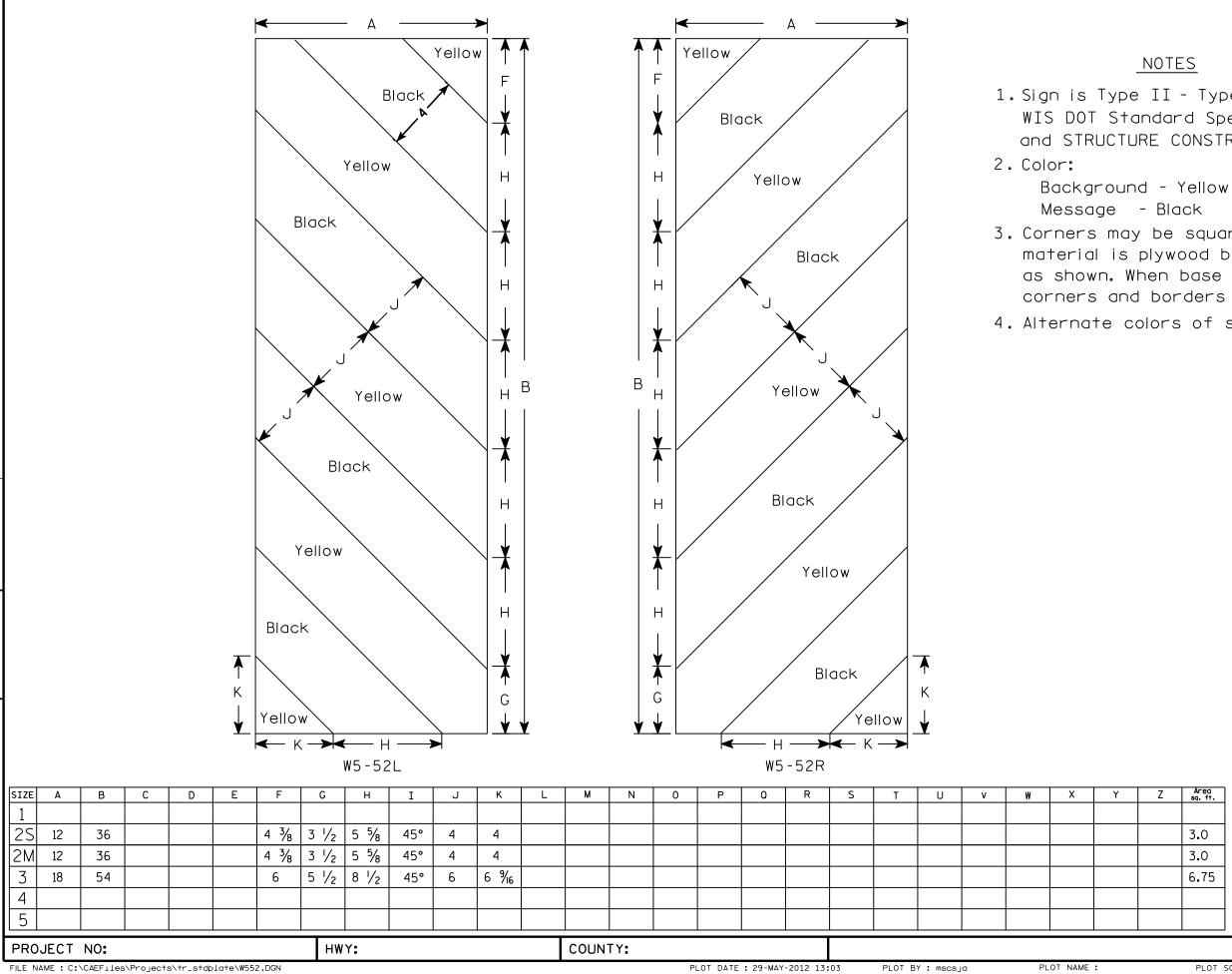


FILE NAME : C:\Users\Projects\tr_stdplate\A411.DGN

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	
		MOD	IF	FICA	TI	SNC	
	WISC	onsin l	DEF	PT OF T	RANSI	PORTATION	'
	APPROVE	D		hester .	Γέ	Spang	
			tor	State Tr	affic Er	ngineer	
	DATE 3	/27/9	<u>17</u>	PLA	TE NO	<u>A4-11.2</u>	2
			9	SHEET	N0:		Ε
OT SCALE	E:6.20 7 33	8:1.0000	000	WISD	от/с	ADDS SHEE	T 42



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

7

PLOT NAME :

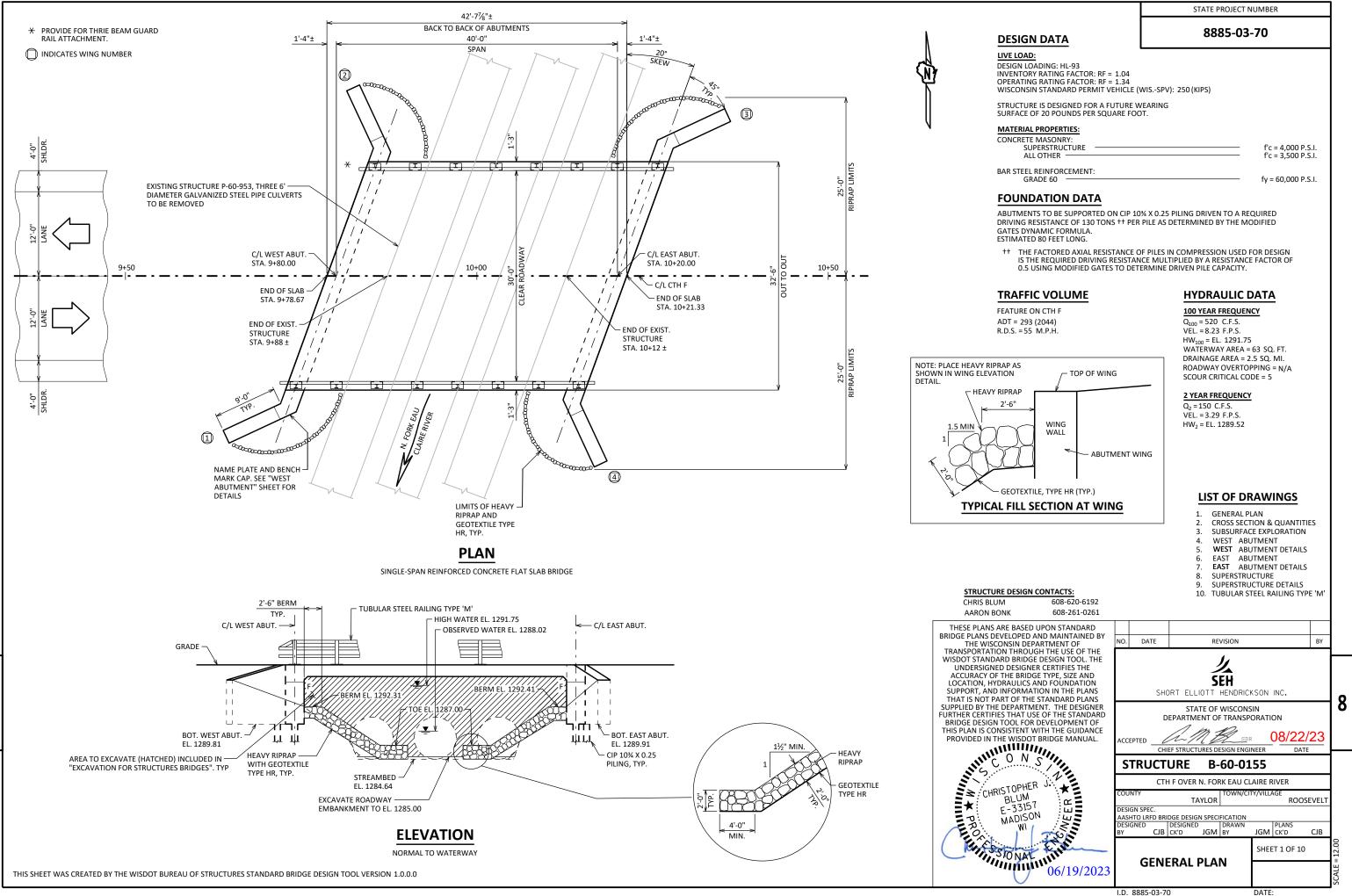
NOTES

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

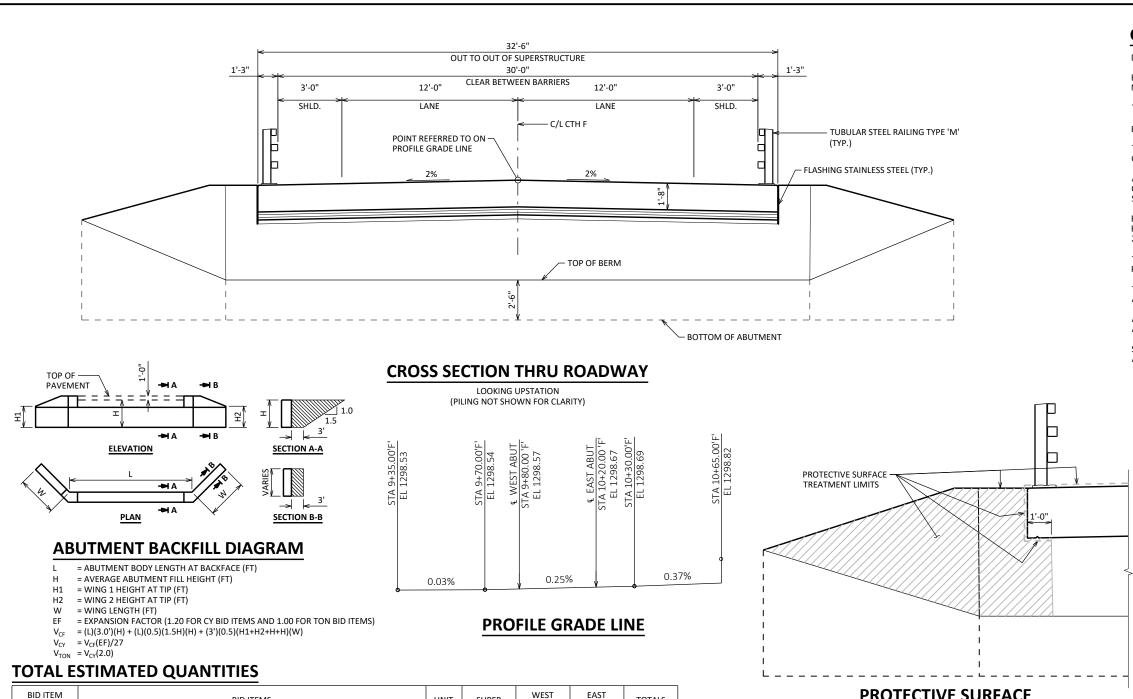
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded. 4. Alternate colors of stripes as shown.

Z	Area sq. ft.	STANDARD SIGN
		W5-52L & W5-52R
	3.0	
	3.0	WISCONSIN DEPT OF TRANSPORTATION
	6.75	APPROVED Matthew R 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



	STATE PROJECT NUMBER
DESIGN DATA	8885-03-70
IVE LOAD: DESIGN LOADING: HL-93 NVENTORY RATING FACTOR: RF = 1.04 OPERATING RATING FACTOR: RF = 1.34 VISCONSIN STANDARD PERMIT VEHICLE (\ ITRUCTURE IS DESIGNED FOR A FUTURE W URFACE OF 20 POUNDS PER SOUARE FOO	/EARING
MATERIAL PROPERTIES:	
ONCRETE MASONRY: SUPERSTRUCTURE ALL OTHER	f'c = 4,000 P.S.I. f'c = 3,500 P.S.I.
AR STEEL REINFORCEMENT: GRADE 60	fy = 60,000 P.S.I.
OUNDATION DATA	
BUTMENTS TO BE SUPPORTED ON CIP 10	X 0 25 PILING DRIVEN TO A REQUIRED



TOTALS

1

1

432

159

210

5,060

22,510

90

14

1280

140

154

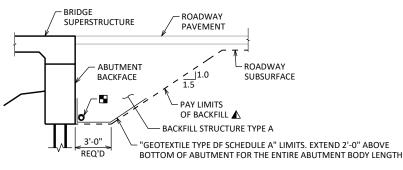
100

240

86

½",¾"





TYPICAL SECTION THRU ABUTMENT

- ▲ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE, ATTACH RODENT SHIFLD AT ENDS OF PIPE UNDERDRAIN

THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 1.0.0.0

NON-BID ITEMS

BID ITEMS

UNIT

EACH

EACH

TON

CY

SY

LB

LB

LF

SY

LF

CY

LF

SY

SY

LF

SIZE

SUPER

91

176

19,390

90

86

ABUT.

216

34

17

2,530

1,560

7

640

70

77

50

120

ABUT.

216

34

17

2,530

1,560

7

640

70

77

50

120

8

NUMBER

203.0220

206.1001

210.1500

502.0100

502.3200

505.0400

505.0600

513.4061

516.0500

550.2104

606.0300

612.0406

645.0111

645.0120

REMOVING STRUCTURE P-60-953

BACKFILL STRUCTURE TYPE A

RAILING TUBULAR TYPE M

RIPRAP HEAVY

SPV.0090.01 FLASHING STAINLESS STEEL

FILLER

GEOTEXTILE TYPE HR

CONCRETE MASONRY BRIDGES

PROTECTIVE SURFACE TREATMENT

BAR STEEL REINFORCEMENT HS STRUCTURES

RUBBERIZED MEMBRANE WATERPROOFING

PILING CIP CONCRETE 10 3/4 X 0.25-INCH

PIPE UNDERDRAIN WRAPPED 6-INCH

GEOTEXTILE TYPE DF SCHEDULE A

EXCAVATION FOR STRUCTURES BRIDGES B-60-0155

BAR STEEL REINFORCEMENT HS COATED STRUCTURES

GENERAL NOTES

STATE PROJECT NUMBER

8885-03-70

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ³/₄" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-60-0155" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

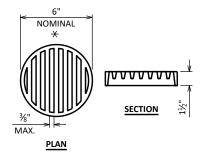
THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

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.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

BENCH MARK

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
BM1	8+05.71	49.65' LT	SPK IN PP	1297.41'
BM2	11+55.96	63.94' LT	SPK IN PP	1297.07'



RODENT SHIELD DETAIL

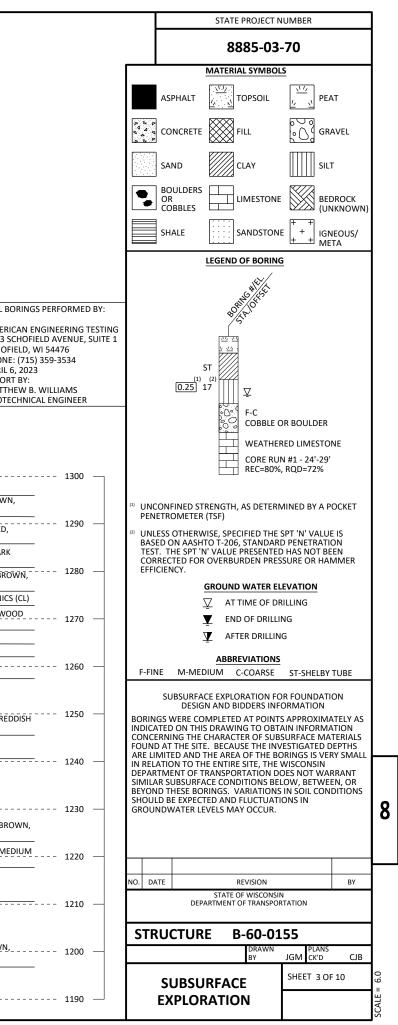
★ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

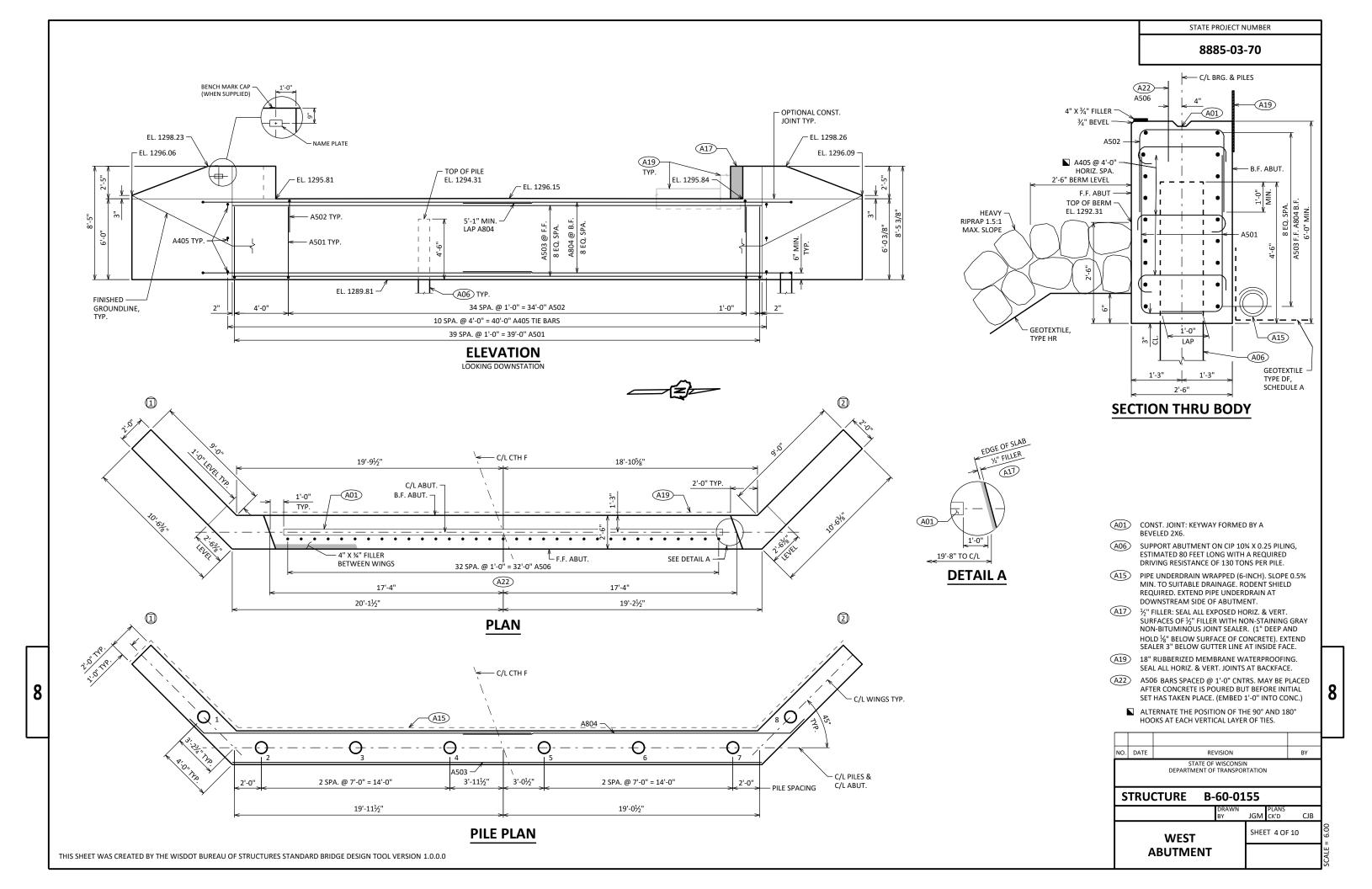
THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH"

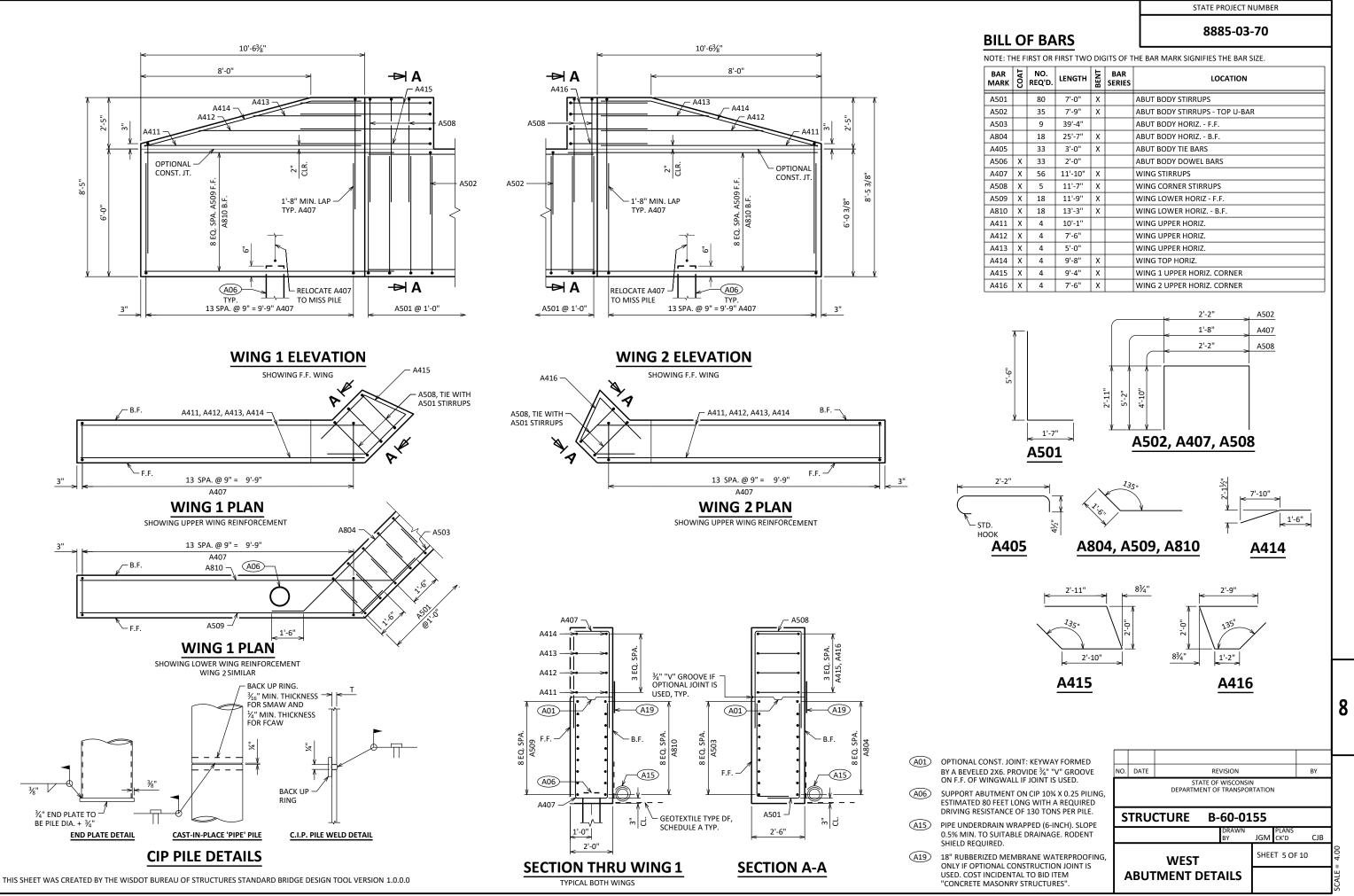
THE RODENT SHIFLD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH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

							-	
NO.	DATE		REVISION			BY		
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION								
S	TRU	CTURE	B-60-0 2	155				
			DRAWN BY	JGM	PLANS CK'D	CJB		
	CR	OSS SE	CTION	SHE	ET 2 OF	10	= 6.0	
	&	QUANI	ITIES				SCALE =	

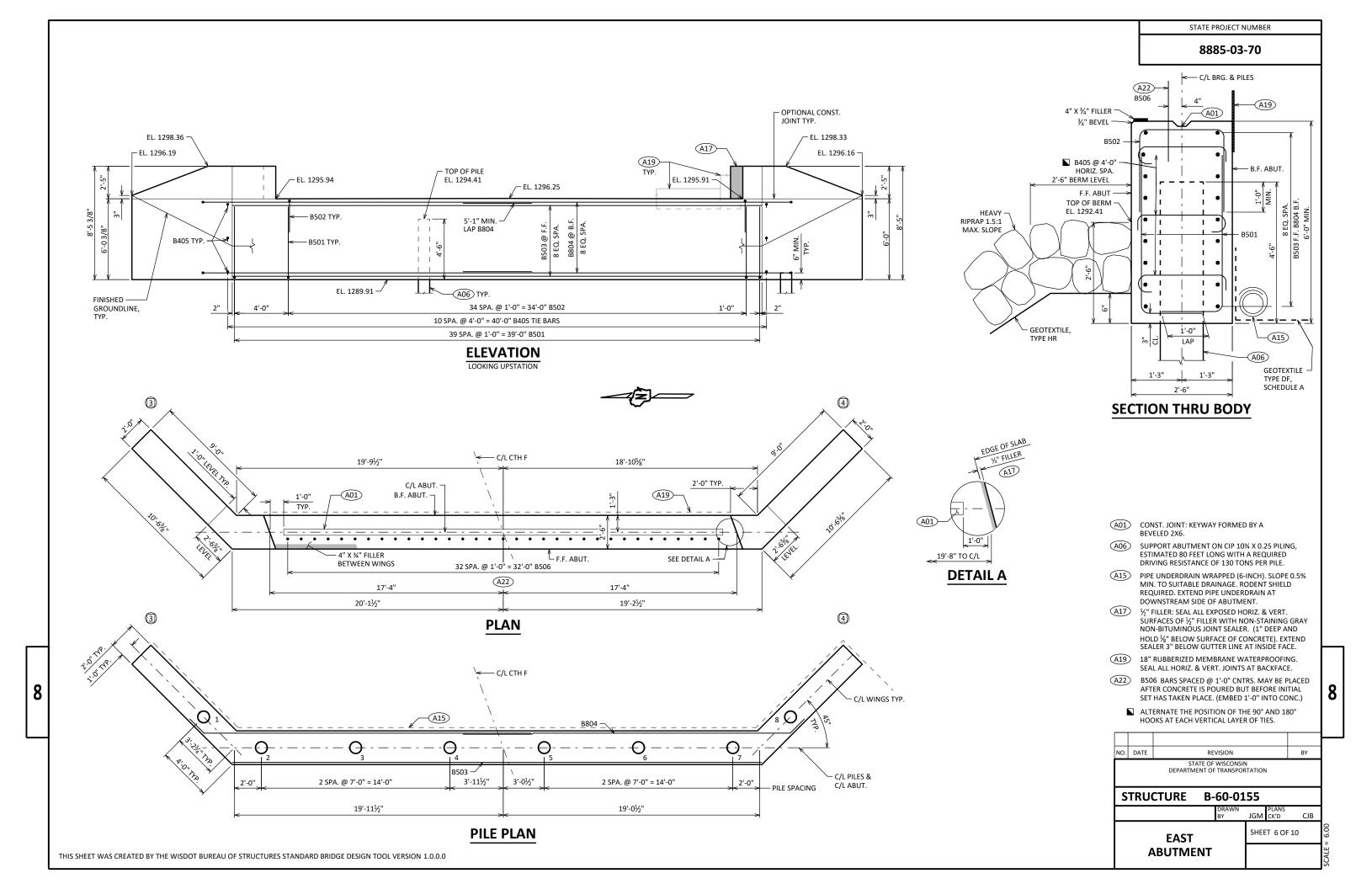
B-1	DATE COMPLETED 03/14/2023	NORTHING (Y)	EASTING (X)				LEAU VER		
B-2	03/14/2023	-	-				FORK		
						NG STRUCTURE ——	× CLA		
					DIAME	TER GALVANIZED PIPE CULVERTS	V		
						REMOVED	the former of the second secon		nd l
									٤Nን
					PROPOSED —				
					STRUCTURE B-60-0155				
							()		
						/// C/L BRID , / STA 10+0	GE AT // - B-2 /	C/L BRIDGE & C/L C	тн ғ
						[p; + <u>+</u> <u>+</u> -+ <u>+</u> +			
					C/L WEST ABUT. STA 9+80.00	B-1		г.	
					/	'	/// STA 10+20.00		
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					, i		X		AM
									420 SCF
							5		PHC API
									REF MA
						AN A	198-0 ⁵¹		GE
						HW 100 YR EL. 1	291.75		
		PROFILE GF	RADE LINE			OBSERVED	NATER	\square	
1300				<u>B-1</u>		EL. 1288.02		B-2	
	2.25" BITUMINOUS PAVE					EL. 1202.21 EL. 1292.41 -			3.75" BITUMINOUS PAVEMENT
	5.75" FILL, GRAVELLY SAN FROZEN (SP)	D, FINE TO COARSE GRAIN	IED, DARK BROWN,	′ <u>73 ₩₩</u> STA 9	/EST ABUT. 11 +80.00	EL. 1292.31	C/L EAST ABUT. 5 TA 10+20.00		11.75" FILL, GRAVELLY SAND, FINE TO COARSE GRAINED, BRC FROZEN (SP)
1290	FILL, CLAYEY SAND WITH O AND GRAY, FROZEN TO M			<u>28</u> -∞ ⊈-14			₩ <u></u>	<u>****</u> 11	FILL, SAND WITH SILT AND GRAVEL, FINE TO MEDIUM GRAIN
	FILL, CLAYEY SAND, FINE T BROWN, MOIST (SC)		/ / / /	вот	T. WEST ABUT. —/		└─ BOT. EAST ABUT. EL. 1289.91	5	FILL, GRAVELLY CLAYEY SAND, FINE TO MEDIUM GRAINED, DA
1280	FILL, GRAVELLY CLAYEY SA	ND, FINE TO COARSE GRA				/		3	\ BROWN, FROZEN TO MOIST (SC) \ FILL, SILTY SAND WITH GRAVEL, FINE TO MEDIUM GRAINED, I
	BROWN, MOIST (SC) FILL, GRAVELLY SILTY SAN	D, FINE TO MEDIUM GRAII	NED, BROWN,	4		STREAMBED EL. 1284.64± EXCAVATE ROADWAY		3	\\MOIST (SM) \FILL, LEAN CLAY, A LITTLE GRAVEL, GRAY, WITH TRACE ORGAN
1270	MOIST TO WATERBEARIN		/	1		EMBANKMENT TO EL. 1285.00	D	4	SILT, GRAY, MOIST TO WATERBEARING, LOOSE, WITH TRACE
1270				3				4	VPIECES (ML) LEAN CLAY, GRAY, SOFT TO FIRM (CL) - SAND LAMINATIONS
	14' AND A 4-INCH LENS O		FEET (CL)	6				<u>ر</u> 19	LEAN CLAY, BROWN, SOFT (CL)
		ULINA GRAINED BROWN M	VALEKBEARING, /	28				33	GRAVELLY SAND, FINE TO COARSE GRAINED, BROWN, WATERBEARING, MEDIUM DENSE (SP)
1260	_SILTY SAND, FINE_TO_MED LOOSE, WITH LENSES OF L	EAN CLAY (SM)			11.11			35	
1260	LOOSE, WITH LENSES OF L	EAN CLAY (SM)	ED, REDDISH	47				2/// 35	
1260	LOOSE, WITH LENSES OF I LEAN CLAY, GRAY, VERY S SILTY SAND WITH GRAVEI BROWN, WATERBEARING	.EAN CLAY (SM) TIFF (CL) ., FINE TO MEDIUM GRAIN , MEDIUM DENSE TO DENS	SE (SM)	47					CLAYEY SAND. FINE TO MEDIUM GRAINED A LITTLE GRAVEL
	LOOSE, WITH LENSES OF L LEAN CLAY, GRAY, VERY S SILTY SAND WITH GRAVEL BROWN, WATERBEARING SAND WITH SILT, FINE TO REDDISH BROWN, WATER	EAN CLAY (SM) TIFF (CL) ., FINE TO MEDIUM GRAIN , MEDIUM DENSE TO DENS MEDIUM GRAINED, A LITT	SE (SM) LE GRAVEL,	47					BROWN, WATERBEARING, DENSE (SC)
1250	LOOSE, WITH LENSES OF L LEAN CLAY, GRAY, VERY S SILTY SAND WITH GRAVEI BROWN, WATERBEARING SAND WITH SILT, FINE TO REDDISH BROWN, WATER LEAN CLAY (SP-SM) SILTY SAND, FINE GRAINE	EAN CLAY (SM) TIFF (CL) , FINE TO MEDIUM GRAIN , MEDIUM DENSE TO DENS MEDIUM GRAINED, A LITT BEARING, MEDIUM DENSE	SE (SM) LE GRAVEL, E, WITH LENSES OF	47 17 22				36	
	LOOSE, WITH LENSES OF L LEAN CLAY, GRAY, VERY S' SILTY SAND WITH GRAVEI BROWN, WATERBEARING SAND WITH SILT, FINE TO REDDISH BROWN, WATER LEAN CLAY (SP-SM) SILTY SAND, FINE GRAINE DENSE (SM)	EAN CLAY (SM) TIFF (CL) , FINE TO MEDIUM GRAIN , MEDIUM DENSE TO DENS MEDIUM GRAINED, A LITT BEARING, MEDIUM DENSI D, BROWN, WATERBEARIN	SE (SM) LE GRAVEL, E, WITH LENSES OF IG, MEDIUM					36	BROWN, WATERBEARING, DENSE (SC) SAND WITH GRAVEL, FINE TO MEDIUM GRAINED, BROWN,
1250	LOOSE, WITH LENSES OF L LEAN CLAY, GRAY, VERY S SILTY SAND WITH GRAVEL BROWN, WATERBEARING SAND WITH SILT, FINE TO REDDISH BROWN, WATER LEAN CLAY (SP-SM) SILTY SAND, FINE GRAINE DENSE (SM) CLAYEY SAND, FINE TO M MEDIUM DENSE (SC)	EAN CLAY (SM) TIFF (CL) , FINE TO MEDIUM GRAIN , MEDIUM DENSE TO DENS MEDIUM GRAINED, A LITT BEARING, MEDIUM DENSE D, BROWN, WATERBEARIN EDIUM GRAINED, BROWN,	SE (SM) LE GRAVEL, E, WITH LENSES OF IG, MEDIUM WATERBEARING,	 				36 0 37 17	BROWN, WATERBEARING, DENSE (SC) SAND WITH GRAVEL, FINE TO MEDIUM GRAINED, BROWN,
1250	LOOSE, WITH LENSES OF L LEAN CLAY, GRAY, VERY S SILTY SAND WITH GRAVEL BROWN, WATERBEARING SAND WITH SILT, FINE TO REDDISH BROWN, WATER LEAN CLAY (SP-SM) SILTY SAND, FINE GRAINE DENSE (SM) CLAYEY SAND, FINE TO M MEDIUM DENSE (SC)	EAN CLAY (SM) TIFF (CL) , FINE TO MEDIUM GRAIN , MEDIUM DENSE TO DENS MEDIUM GRAINED, A LITT BEARING, MEDIUM DENSI D, BROWN, WATERBEARIN	SE (SM) LE GRAVEL, E, WITH LENSES OF IG, MEDIUM WATERBEARING,	17 22 27 15 0 (36 00 37 17 13	BROWN, WATERBEARING, DENSE (SC) SAND WITH GRAVEL, FINE TO MEDIUM GRAINED, BROWN, WATERBEARING, DENSE (SP)
1250 1240	LOOSE, WITH LENSES OF L LEAN CLAY, GRAY, VERY S' SILTY SAND WITH GRAVEL BROWN, WATERBEARING SAND WITH SILT, FINE TO REDDISH BROWN, WATER LEAN CLAY (SP-SM) SILTY SAND, FINE GRAINE DENSE (SM) CLAYEY SAND, FINE GRAINE MEDIUM DENSE (SC) GRAVELLY SAND, FINE TO MEDIUM DENSE (SP) GRAVEL, BROWN, WATER	EAN CLAY (SM) TIFF (CL) , FINE TO MEDIUM GRAIN MEDIUM GRAINED, A LITT BEARING, MEDIUM DENSE D, BROWN, WATERBEARIN EDIUM GRAINED, BROWN, COARSE GRAINED, BROWN BEARING, MEDIUM DENSE	SE (SM) LE GRAVEL, E, WITH LENSES OF IG, MEDIUM WATERBEARING, N, WATERBEARING, E (GP)	 		CIP 10% X 0.25 PILES EST 80 FT LONG TYP.		36 37 17 13 11	BROWN, WATERBEARING, DENSE (SC) SAND WITH GRAVEL, FINE TO MEDIUM GRAINED, BROWN, WATERBEARING, DENSE (SP)
1250 1240 1230	LOOSE, WITH LENSES OF L LEAN CLAY, GRAY, VERY S' SILTY SAND WITH GRAVEL BROWN, WATERBEARING SAND WITH SILT, FINE TO REDDISH BROWN, WATERF LEAN CLAY (SP-SM) SILTY SAND, FINE GRAINE DENSE (SM) CLAYEY SAND, FINE TO M MEDIUM DENSE (SC) GRAVELLY SAND, FINE TO M MEDIUM DENSE (SP) GRAVEL, BROWN, WATER CLAYEY SAND, FINE TO M WATERBEARING, MEDIUM	EAN CLAY (SM) TIFF (CL) , FINE TO MEDIUM GRAIN , MEDIUM DENSE TO DENS MEDIUM GRAINED, A LITT BEARING, MEDIUM DENSE D, BROWN, WATERBEARIN EDIUM GRAINED, BROWN, COARSE GRAINED, BROWN, BEARING, MEDIUM DENSE EDIUM GRAINED, A LITTLE # DENSE (SC)	SE (SM) LE GRAVEL, E, WITH LENSES OF IG, MEDIUM WATERBEARING, N, WATERBEARING, E (GP) GRAVEL, BROWN,	17 22 27 15 16 21				36 0 37 17 13 11 23	BROWN, WATERBEARING, DENSE (SC) SAND WITH GRAVEL, FINE TO MEDIUM GRAINED, BROWN, WATERBEARING, DENSE (SP) CLAYEY SAND, FINE TO MEDIUM GRAINED, A LITTLE GRAVEL, WATERBEARING, MEDIUM DENSE (SC) SAND, FINE TO COARSE GRAINED, BROWN, WATERBEARING,
1250 1240	LOOSE, WITH LENSES OF L LEAN CLAY, GRAY, VERY S' SILTY SAND WITH GRAVEI BROWN, WATERBEARING SAND WITH SILT, FINE TO REDDISH BROWN, WATER LEAN CLAY (SP-SM) SILTY SAND, FINE GRAINE DENSE (SM) CLAYEY SAND, FINE TO M MEDIUM DENSE (SC) GRAVELLY SAND, FINE TO M MEDIUM DENSE (SP) GRAVEL, BROWN, WATER CLAYEY SAND, FINE TO M WATERBEARING, MEDIUM SAND WITH SILT, FINE TO WATERBEARING, MEDIUM	EAN CLAY (SM) TIFF (CL) , FINE TO MEDIUM GRAIN MEDIUM GRAINED, A LITT BEARING, MEDIUM DENSE D, BROWN, WATERBEARIN EDIUM GRAINED, BROWN, COARSE GRAINED, BROWN BEARING, MEDIUM DENSE EDIUM GRAINED, A LITTLE A DENSE (SC) MEDIUM GRAINED, BROW	SE (SM) LE GRAVEL, E, WITH LENSES OF IG, MEDIUM WATERBEARING, N, WATERBEARING, E (GP) GRAVEL, BROWN, VN,	17 22 27 15 16 21 34		EST 80 FT LONG TYP.		36 37 17 13 11	BROWN, WATERBEARING, DENSE (SC) SAND WITH GRAVEL, FINE TO MEDIUM GRAINED, BROWN, WATERBEARING, DENSE (SP) CLAYEY SAND, FINE TO MEDIUM GRAINED, A LITTLE GRAVEL, WATERBEARING, MEDIUM DENSE (SC)
1250 1240 1230 1220	LOOSE, WITH LENSES OF L LEAN CLAY, GRAY, VERY S' SILTY SAND WITH GRAVEI BROWN, WATERBEARING SAND WITH SILT, FINE TO REDDISH BROWN, WATER LEAN CLAY (SP-SM) SILTY SAND, FINE GRAINE DENSE (SM) CLAYEY SAND, FINE TO M MEDIUM DENSE (SC) GRAVELLY SAND, FINE TO M MEDIUM DENSE (SP) GRAVEL, BROWN, WATER CLAYEY SAND, FINE TO M WATERBEARING, MEDIUM SAND WITH SILT, FINE TO WATERBEARING, MEDIUM	EAN CLAY (SM) TIFF (CL) , FINE TO MEDIUM GRAIN MEDIUM DENSE TO DENS MEDIUM GRAINED, A LITT BEARING, MEDIUM DENSE D, BROWN, WATERBEARIN EDIUM GRAINED, BROWN, COARSE GRAINED, BROWN BEARING, MEDIUM DENSE EDIUM GRAINED, A LITTLE # DENSE (SC) MEDIUM GRAINED, BROW	SE (SM) LE GRAVEL, E, WITH LENSES OF IG, MEDIUM WATERBEARING, N, WATERBEARING, E (GP) GRAVEL, BROWN, VN,	17 22 27 15 0 16 21 34 64		EST 80 FT LONG TYP.		36 0 37 17 13 11 23	BROWN, WATERBEARING, DENSE (SC) SAND WITH GRAVEL, FINE TO MEDIUM GRAINED, BROWN, WATERBEARING, DENSE (SP) CLAYEY SAND, FINE TO MEDIUM GRAINED, A LITTLE GRAVEL, WATERBEARING, MEDIUM DENSE (SC) SAND, FINE TO COARSE GRAINED, BROWN, WATERBEARING,
1250 1240 1230	LOOSE, WITH LENSES OF L LEAN CLAY, GRAY, VERY S' SILTY SAND WITH GRAVEL BROWN, WATERBEARING SAND WITH SILT, FINE TO REDDISH BROWN, WATER LEAN CLAY (SP-SM) SILTY SAND, FINE GRAINE DENSE (SM) CLAYEY SAND, FINE TO M MEDIUM DENSE (SC) GRAVELLY SAND, FINE TO MEDIUM DENSE (SP) GRAVEL, BROWN, WATER CLAYEY SAND, FINE TO MEDIUM DENSE (SP) GRAVEL, BROWN, WATER CLAYEY SAND, FINE TO M WATERBEARING, MEDIUM SAND WITH SILT, FINE TO	EAN CLAY (SM) TIFF (CL) , FINE TO MEDIUM GRAIN MEDIUM GRAINED, A LITT BEARING, MEDIUM DENSE D, BROWN, WATERBEARIN EDIUM GRAINED, BROWN, COARSE GRAINED, BROWN BEARING, MEDIUM DENSE EDIUM GRAINED, A LITTLE A DENSE (SC) MEDIUM GRAINED, BROW	SE (SM) LE GRAVEL, E, WITH LENSES OF IG, MEDIUM WATERBEARING, N, WATERBEARING, E (GP) GRAVEL, BROWN, VN,	17 22 27 15 16 21 34		EST 80 FT LONG TYP. BOTH ABUTMENTS	FAST	36 37 17 13 11 23 48 55 0 11	BROWN, WATERBEARING, DENSE (SC) SAND WITH GRAVEL, FINE TO MEDIUM GRAINED, BROWN, WATERBEARING, DENSE (SP) CLAYEY SAND, FINE TO MEDIUM GRAINED, A LITTLE GRAVEL, WATERBEARING, MEDIUM DENSE (SC) SAND, FINE TO COARSE GRAINED, BROWN, WATERBEARING, DENSE (SP) SAND, FINE TO COARSE GRAINED, A LITTLE GRAVEL, BROWN,
1250 1240 1230 1220	LOOSE, WITH LENSES OF L LEAN CLAY, GRAY, VERY S' SILTY SAND WITH GRAVEL BROWN, WATERBEARING SAND WITH SILT, FINE TO REDDISH BROWN, WATER LEAN CLAY (SP-SM) SILTY SAND, FINE GRAINE DENSE (SM) CLAYEY SAND, FINE TO M MEDIUM DENSE (SC) GRAVELLY SAND, FINE TO MEDIUM DENSE (SP) GRAVEL, BROWN, WATER CLAYEY SAND, FINE TO MEDIUM DENSE (SP) GRAVEL, BROWN, WATER CLAYEY SAND, FINE TO M WATERBEARING, MEDIUM SAND WITH SILT, FINE TO	EAN CLAY (SM) TIFF (CL) , FINE TO MEDIUM GRAIN MEDIUM GRAINED, A LITT BEARING, MEDIUM DENSE D, BROWN, WATERBEARIN EDIUM GRAINED, BROWN, COARSE GRAINED, BROWN BEARING, MEDIUM DENSE EDIUM GRAINED, A LITTLE A DENSE (SC) MEDIUM GRAINED, BROW	SE (SM) LE GRAVEL, E, WITH LENSES OF IG, MEDIUM WATERBEARING, N, WATERBEARING, E (GP) GRAVEL, BROWN, VN,	17 22 27 15 0 16 21 34 64		EST 80 FT LONG TYP. BOTH ABUTMENTS	<u>EAST</u> <u>ABUTMENT</u>	36 37 17 13 11 23 48 55	BROWN, WATERBEARING, DENSE (SC) SAND WITH GRAVEL, FINE TO MEDIUM GRAINED, BROWN, WATERBEARING, DENSE (SP) CLAYEY SAND, FINE TO MEDIUM GRAINED, A LITTLE GRAVEL, WATERBEARING, MEDIUM DENSE (SC) SAND, FINE TO COARSE GRAINED, BROWN, WATERBEARING, DENSE (SP) SAND, FINE TO COARSE GRAINED, A LITTLE GRAVEL, BROWN,
1250 1240 1230 1220	LOOSE, WITH LENSES OF L LEAN CLAY, GRAY, VERY S' SILTY SAND WITH GRAVEL BROWN, WATERBEARING SAND WITH SILT, FINE TO REDDISH BROWN, WATER LEAN CLAY (SP-SM) SILTY SAND, FINE GRAINE DENSE (SM) CLAYEY SAND, FINE TO M MEDIUM DENSE (SC) GRAVELLY SAND, FINE TO MEDIUM DENSE (SP) GRAVEL, BROWN, WATER CLAYEY SAND, FINE TO MEDIUM DENSE (SP) GRAVEL, BROWN, WATER CLAYEY SAND, FINE TO M WATERBEARING, MEDIUM SAND WITH SILT, FINE TO	EAN CLAY (SM) TIFF (CL) , FINE TO MEDIUM GRAIN MEDIUM GRAINED, A LITT BEARING, MEDIUM DENSE TO DENS D, BROWN, WATERBEARIN EDIUM GRAINED, BROWN, COARSE GRAINED, BROWN, BEARING, MEDIUM DENSE EDIUM GRAINED, A LITTLE A DENSE (SC) MEDIUM GRAINED, A LITTLE A DENSE (SC) MEDIUM GRAINED, BROWN, WATER GRAINED, BROWN, WATER T, FINE TO COARSE GRAIN	SE (SM) LE GRAVEL, E, WITH LENSES OF IG, MEDIUM WATERBEARING, N, WATERBEARING, E (GP) GRAVEL, BROWN, VN, EBEARING, ED, BROWN,	17 22 27 15 16 21 34 64 -25		EST 80 FT LONG TYP. BOTH ABUTMENTS		36 37 17 13 11 23 48 55 0 11	SAND WITH GRAVEL, FINE TO MEDIUM GRAINED, BROWN, WATERBEARING, DENSE (SP) CLAYEY SAND, FINE TO MEDIUM GRAINED, A LITTLE GRAVEL, I WATERBEARING, MEDIUM DENSE (SC) SAND, FINE TO COARSE GRAINED, BROWN, WATERBEARING, I DENSE (SP) SAND, FINE TO COARSE GRAINED, A LITTLE GRAVEL, BROWN,

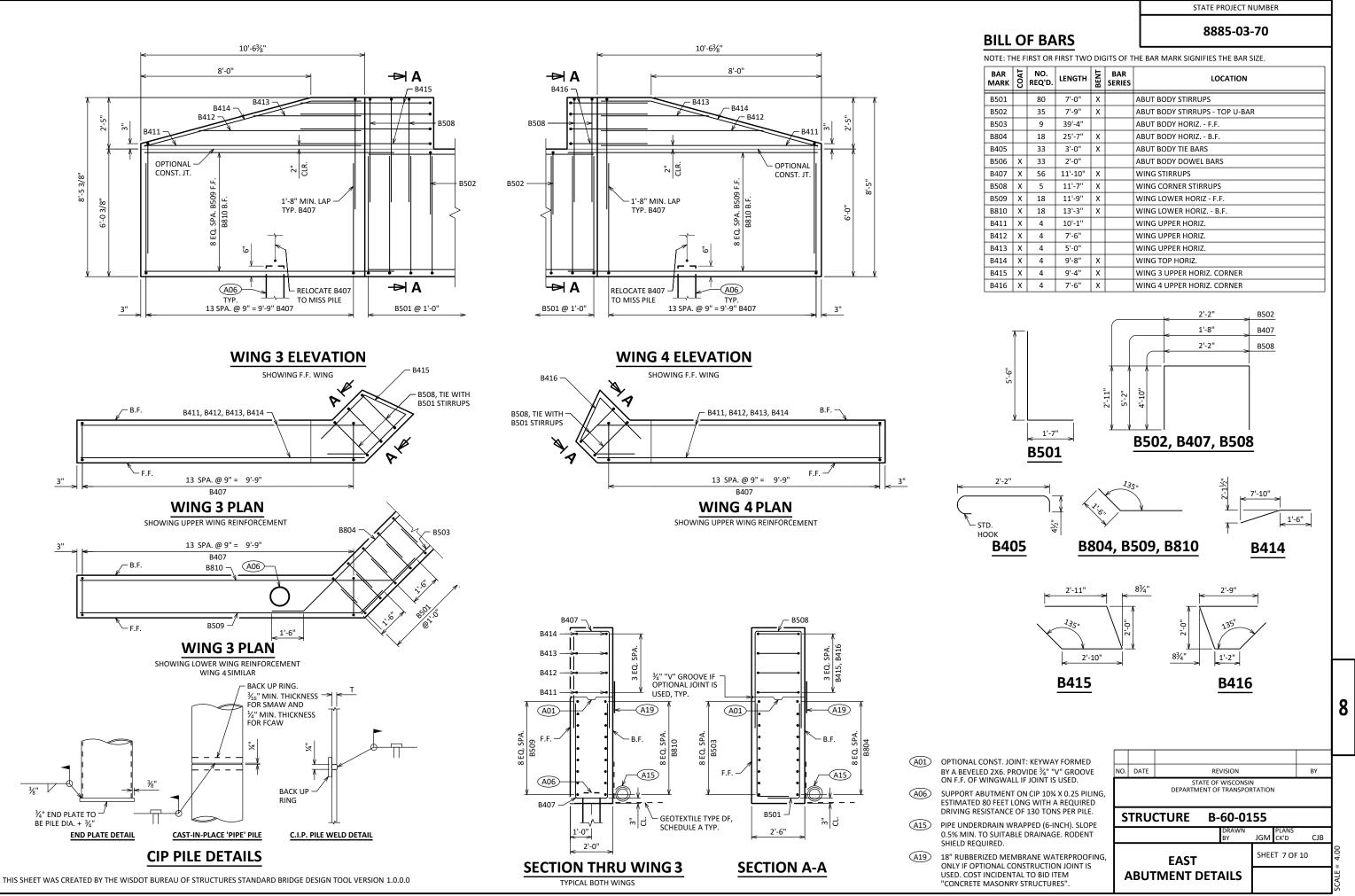




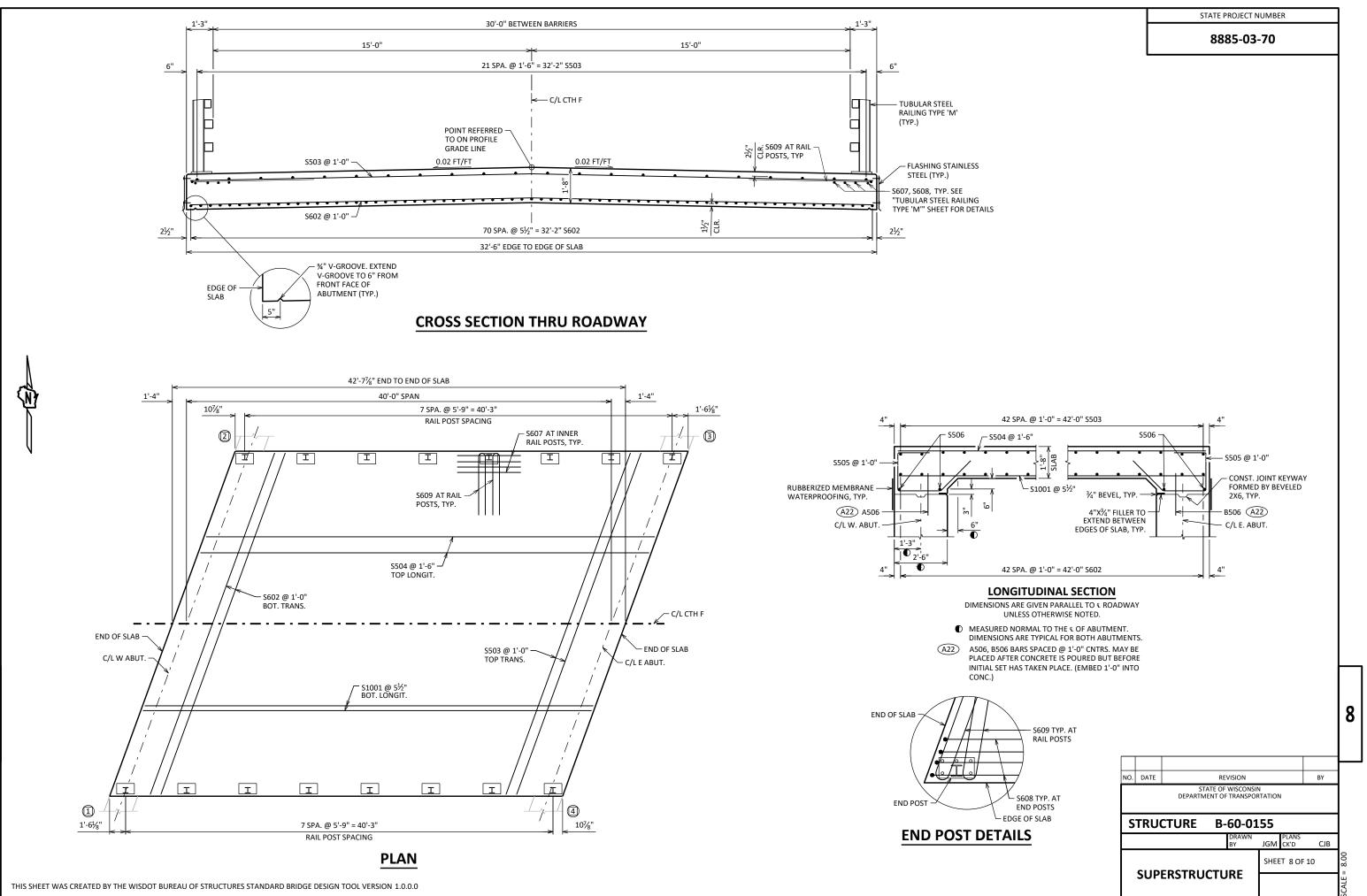


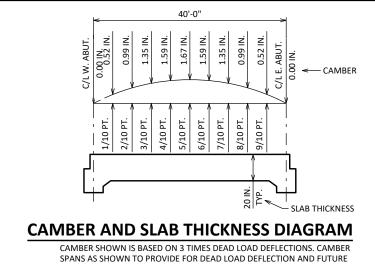
NR IRK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
01		80	7'-0"	Х		ABUT BODY STIRRUPS
02		35	7'-9"	Х		ABUT BODY STIRRUPS - TOP U-BAR
03		9	39'-4"			ABUT BODY HORIZ F.F.
04		18	25'-7"	Х		ABUT BODY HORIZ B.F.
05		33	3'-0"	Х		ABUT BODY TIE BARS
06	Х	33	2'-0"			ABUT BODY DOWEL BARS
07	Х	56	11'-10"	Х		WING STIRRUPS
08	Х	5	11'-7"	Х		WING CORNER STIRRUPS
09	Х	18	11'-9"	Х		WING LOWER HORIZ - F.F.
10	Х	18	13'-3"	Х		WING LOWER HORIZ B.F.
11	Х	4	10'-1"			WING UPPER HORIZ.
12	Х	4	7'-6"			WING UPPER HORIZ.
13	х	4	5'-0"			WING UPPER HORIZ.
14	Х	4	9'-8"	Х		WING TOP HORIZ.
15	х	4	9'-4"	х		WING 1 UPPER HORIZ. CORNER
16	Х	4	7'-6"	Х		WING 2 UPPER HORIZ. CORNER





NR IRK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
01		80	7'-0"	Х		ABUT BODY STIRRUPS
02		35	7'-9"	Х		ABUT BODY STIRRUPS - TOP U-BAR
03		9	39'-4"			ABUT BODY HORIZ F.F.
04		18	25'-7"	Х		ABUT BODY HORIZ B.F.
05		33	3'-0"	Х		ABUT BODY TIE BARS
06	Х	33	2'-0"			ABUT BODY DOWEL BARS
07	Х	56	11'-10"	Х		WING STIRRUPS
08	Х	5	11'-7"	Х		WING CORNER STIRRUPS
09	Х	18	11'-9"	Х		WING LOWER HORIZ - F.F.
10	Х	18	13'-3"	Х		WING LOWER HORIZ B.F.
11	Х	4	10'-1"			WING UPPER HORIZ.
12	Х	4	7'-6"			WING UPPER HORIZ.
13	х	4	5'-0"			WING UPPER HORIZ.
14	Х	4	9'-8"	Х		WING TOP HORIZ.
15	х	4	9'-4"	х		WING 3 UPPER HORIZ. CORNER
16	Х	4	7'-6"	Х		WING 4 UPPER HORIZ. CORNER





CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT PARAPETS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED, EXCEPT FOR STAGED CONSTRUCTION.

TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB, CROWN OR REFERENCE LINE FOLLOW THIS PROCEDURE:

TOP OF SLAB ELEVATION AT FINAL GRADE SLAB THICKNESS

LESS PLUS CAMBER

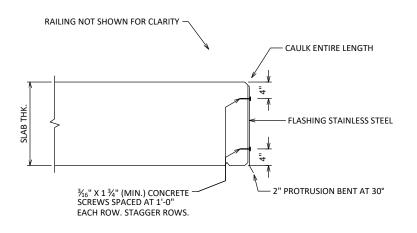
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FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR) PLUS

EQUALS TOP OF SLAB FALSEWORK ELEVATION

TOP OF SLAB ELEVATIONS

LOCATION	C/L BRG. W. ABUT.	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	C/L BRG. E. ABUT.
N. EDGE OF DECK	1298.25	1298.26	1298.27	1298.28	1298.29	1298.30	1298.31	1298.32	1298.33	1298.34	1298.35
CROWN OR R/L	1298.57	1298.58	1298.59	1298.60	1298.61	1298.62	1298.63	1298.64	1298.65	1298.66	1298.67
S. EDGE OF DECK	1298.23	1298.24	1298.25	1298.26	1298.27	1298.28	1298.29	1298.30	1298.31	1298.32	1298.33



FLASHING DETAIL FOR NEW BRIDGES WITH OPEN RAILING

THE BID ITEM "FLASHING STAINLESS STEEL" SHALL INCLUDE PROVIDING AND INSTALLING THE STAINLESS STEEL FLASHING, CAULK, $3\!\!\!/_{16}$ " CONCRETE SCREWS AND CLEANING THE EDGE OF THE DECK PRIOR TO THE ATTACHMENT OF THE FLASHING.

FLASHING TO BE INSTALLED AFTER PROTECTIVE SURFACE TREATMENT APPLICATION.

CONCRETE SCREWS SHALL BE 410 STAINLESS STEEL.

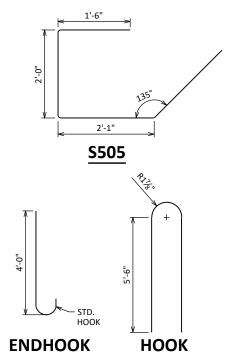
EXTEND FLASHING TO B.F. OF ABUTMENT DIAPHRAGM.

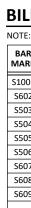
TOP OF FLASHING TO BEGIN APPROX. 1-INCH BELOW TOP OF DECK/SLAB SURFACE.

THE FLASHING IS TO BE A CONSTANT HEIGHT BASED ON THE THINNEST SLAB DEPTH OVER THE BRIDGE LENGTH.

PROVIDE 2" MINIMUM FLASHING OVERLAP, FASTEN WITH 3/16" X 2" (MIN.) CONCRETE SCREWS

CAULK SHALL BE NON-STAINING, GRAY NON-BITUMINOUS JOINT SEALER.





SURVEY TOP OF SLAB ELEVATIONS

LOCATION	W. ABUTMENT	5/10 PT.	E. ABUTMENT
N. GUTTER			
CROWN OR R/L			
S. GUTTER			

8 PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE C/L OF ABUTMENTS, THE C/L OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES AND CROWN OR R/L. RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS. NOTES NO. DATE REVISION BY FILL IN THE TABLE OF "SURVEY TOP OF SLAB STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION ELEVATIONS" FOR EACH SPAN ON AS BUILT PLANS. TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" STRUCTURE B-60-0155 CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT JGM CK'D CJB APPROXIMATELY 4'-0" CENTERS. SHEET 9 OF 10 ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY SUPERSTRUCTURE TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DETAILS DISCREPANCIES ARE TO BE PLUS (+).

THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 1.0.0.0

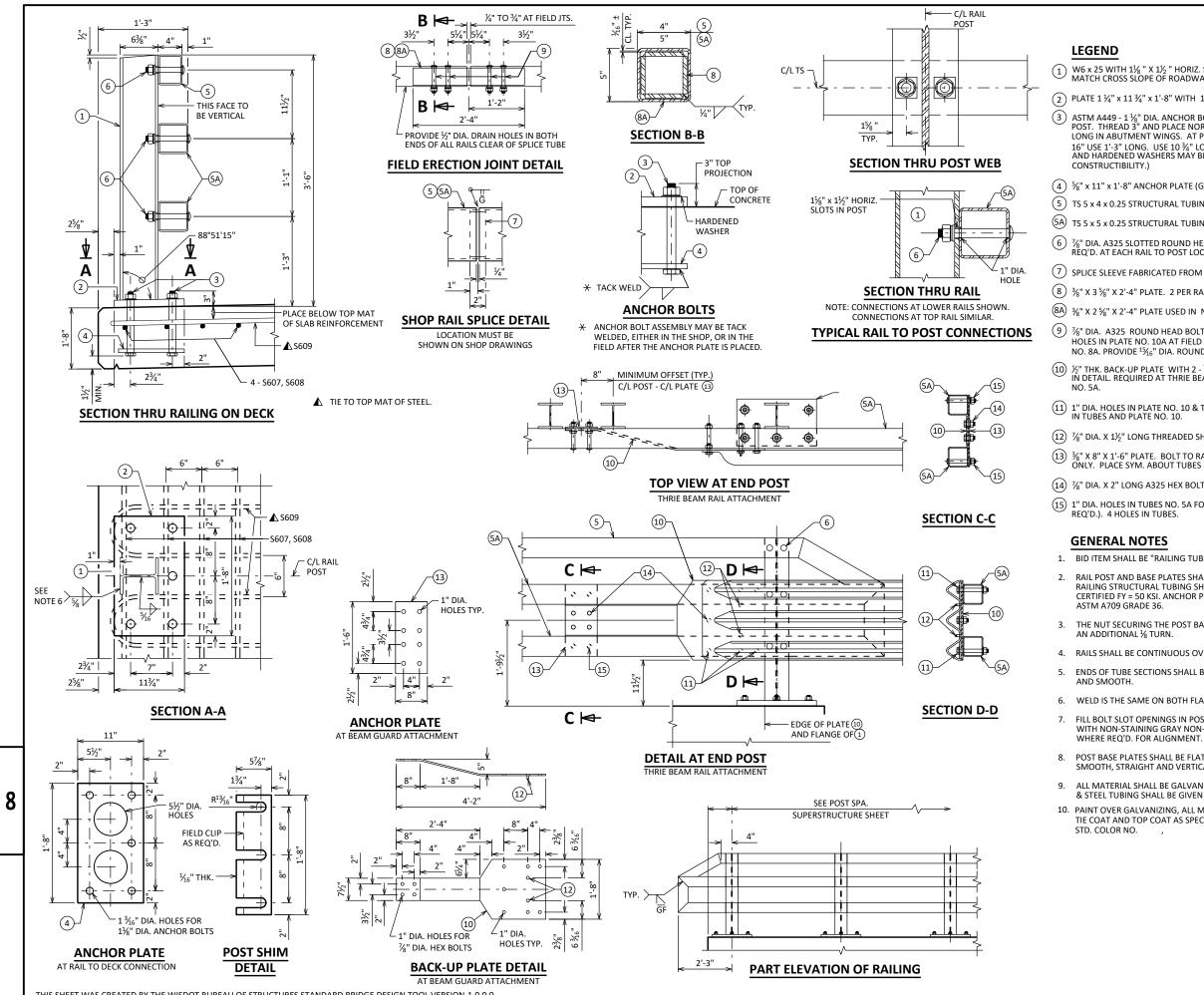
STATE PROJECT NUMBER

8885-03-70

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

AR ARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
001	Х	71	42'-3"			SLAB BOTTOM LONGITUDINAL
02	Х	43	34'-3"			SLAB BOTTOM TRANSVERSE
03	Х	43	34'-3"			SLAB TOP TRANSVERSE
04	Х	22	42'-3"			SLAB TOP LONGITUDINAL
05	Х	66	7'-4"	Х		ABUTMENT DIAPHRAGM STIRRUPS
06	Х	4	34'-3"			ABUTMENT DIAPHRAGM LONGITUDINAL
07	Х	48	6'-0"			SLAB TOP LONGIT. UNDER RAIL POSTS
08	Х	16	4'-8"	Х		SLAB TOP LONGIT. UNDER RAIL END POSTS
09	Х	32	12'-0"	х		SLAB TOP HOOKS UNDER RAIL POSTS



THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 1.0.0.0

CTATE	DROIECT	NUMBER
STATE	PROJECT	NUNDER

8885-03-70

(1) W6 x 25 WITH 1¹/₈ " X 1¹/₂ " HORIZ. SLOTS ON EACH SIDE OF POST FOR BOLT NO. 6. CUT BOTTOM OF POST TO MATCH CROSS SLOPE OF ROADWAY. PLACE POST VERTICAL. PLACE POSTS NORMAL TO GRADE LINE.

(2) PLATE 1¹/₄" x 11³/₄" x 1'-8" WITH 1⁷/₁₆" OVERSIZED HOLES FOR ANCHOR BOLTS NO. 3. WELD TO NO. 1 AS SHOWN.

(3) ASTM A449 - 1 ½" DIA. ANCHOR BOLTS WITH NUT AND HARDENED WASHER (ALL GALVANIZED). 5 REQ'D. PER POST. THREAD 3" AND PLACE NORMAL TO PLATE NO. 2. CHAMFER TOP OF BOLTS BEFORE THREADING. USE 1'-9" LONG IN ABUTMENT WINGS. AT POSTS ON CONCRETE SLAB SUPERSTRUCTURES WHERE THE SLAB THICKNESS IS > 16" USE 1'-3" LONG. USE 10 %" LONG AT ALL OTHER LOCATIONS. (AN EQUIVALENT THREADED ROD WITH NUTS AND HARDENED WASHERS MAY BE SUBSTITUTED FOR ANCHOR BOLTS IN WINGS IF REQ'D. FOR

(4) $\frac{1}{2}$ x 11" x 1'-8" ANCHOR PLATE (GALVANIZED) WITH $1\frac{3}{16}$ " DIA. HOLES FOR ANCHOR BOLTS NO. 3.

(5) TS 5 x 4 x 0.25 STRUCTURAL TUBING. ATTACH TO NO. 1 WITH NO. 6.

(5A) TS 5 x 5 x 0.25 STRUCTURAL TUBING. ATTACH TO NO. 1 WITH NO. 6.

 $\binom{6}{8}$ $\frac{7}{8}$ " dia. A325 slotted round head bolt with Nut, $\frac{3}{16}$ " x 1 $\frac{5}{8}$ " Min. Washer, and lock washer (2 reg/d). At each rail to post location).

(7) Splice sleeve fabricated from $\frac{1}{4}$ " plate. Provide "sliding fit".

(8) ¾" X 3 ½" X 2'-4" PLATE. 2 PER RAIL. USED IN NO. 5 & 5A.

(8A) ¾" X 2 ¾" X 2'-4" PLATE USED IN NO. 5, ¾" X 3 ½" X 2'-4" PLATE USED IN NO. 5A. 2 PER RAIL.

(9) 7/8" DIA. A325 ROUND HEAD BOLT WITH NUT, WASHER, AND LOCK WASHER. USE 15/16" x 1 1/4" LONGIT. SLOTTED NO. 8A. PROVIDE 15/16" DIA. ROUND HOLES IN TUBES NO. 5 AND NO. 5A.

(1) ½" THK. BACK-UP PLATE WITH 2 - ½" X 1 ½" THREADED SHOP WELDED STUDS (NO. 12). BOLT TO RAIL AS SHOWN IN DETAIL. REQUIRED AT THRIE BEAM GUARD RAIL ATTACHMENTS ONLY. PLACE SYMMETRICALLY ABOUT TUBES

(1) 1" dia. Holes in plate no. 10 & tubes no. 5a for %" dia. A325 bolts with Hex nuts and washers. 6 holes in tubes and plate no. 10.

(12) $\frac{7}{8}$ " DIA. X $\frac{1}{2}$ " LONG THREADED SHOP WELDED STUDS (2 REQ'D).

(3) %'' X 8" X 1'-6" plate. Bolt to rail as shown in detail. Req'd. At three beam guard rail attachments only. Place Sym. About tubes No. 5a.

(14) 7/8" DIA. X 2" LONG A325 HEX BOLT WITH NUT AND WASHER (5 REQ'D.).

(15) 1" DIA. HOLES IN TUBES NO. 5A FOR 7/8" DIA. A325 ROUND HEAD BOLT WITH NUT, WASHER AND LOCK WASHER (4

1. BID ITEM SHALL BE "RAILING TUBULAR TYPE M" WHICH INCLUDES ALL ITEMS SHOWN.

2. RAIL POST AND BASE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. HOLLOW RAILING STRUCTURAL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A500 GRADE B OR C WITH A CERTIFIED FY = 50 KSI. ANCHOR PLATES, AND SPLICE TUBE PLATES SHALL CONFORM TO THE REQUIREMENTS OF

3. THE NUT SECURING THE POST BASE PLATE TO THE CONCRETE SHALL BE TIGHTENED TO A SNUG FIT AND GIVEN

4. RAILS SHALL BE CONTINUOUS OVER A MINIMUM OF THREE (3) POSTS WITHOUT SPLICES WHERE POSSIBLE.

5. ENDS OF TUBE SECTIONS SHALL BE SAWED. GRIND SMOOTH EXPOSED EDGES. ALL CUT ENDS SHALL BE TRUE

6. WELD IS THE SAME ON BOTH FLANGES. FLANGE WELD DOES NOT REQUIRE MAGNETIC PARTICLE TESTING.

7. FILL BOLT SLOT OPENINGS IN POST SHIMS AND PLATE NO. 2 AND CAULK AROUND PERIMETER OF PLATE NO. 2 WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. STEEL POST SHIMS MAY BE USED UNDER POSTS

8. POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

9. ALL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, ALL STEEL RAILING POSTS & STEEL TUBING SHALL BE GIVEN A NO. 6 BLAST CLEANING BY SSPC SPECIFICATIONS.

10. PAINT OVER GALVANIZING, ALL MATERIAL EXCEPT ANCHORAGE DETAIL (NO. 3 & NO. 4), WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS

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NO.	DATE	RE	VISION		BY			
-		STATE OF DEPARTMENT OF	WISCONSI		1			
STRUCTURE B-60-0155								
			DRAWN BY	PLANS JGM CK'D	CJB			
	τυ	BULAR STEE	SHEET 10 C	= 1.00				
	RAI	LING TYPE '			SCALE =			

BRIDGE B-60-0155

EARTHWORK SUMMARY

			-	AREA (SF)		Incremental Vol (CY)		Cumulative Vol (CY)		
						(Unadjusted)			Expanded	
STATIO	ON	Real Station	Distance	Cut	Fill	Cut	Fill	Cut	Fill	м
						(3)	(1)	1.00	1.3 (2)	Ord
9+35	AH	935.00	0.00	84.1	0.0	0	0	0	0	
9+50		950.00	15.00	84.9	0.0	47	0	47	0	
9+79	ΒK	986.00	36.00	87.4	0.0	115	0	162	0	1
STRUCT	JRE I	3-60-0155								
10+21	AH	1021.00	0.00	86.2	0.0	0	0	162	0	1
10+50		1050.00	29.00	85.1	5.4	92	3	254	4	2
10+65	ΒK	1065.00	15.00	85.2	0.0	47	2	301	7	2
					TOTALS	301	4			

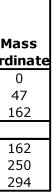
(1) - NOT A BID ITEM - FOR INFORMATIONAL PURPOSES ONLY

(2) - FILL EXPANSION 30%

(3) - EXISTING ASPHALTIC PAVEMENT IS INCLUDED IN COMMON EXCAVATION TOTALS

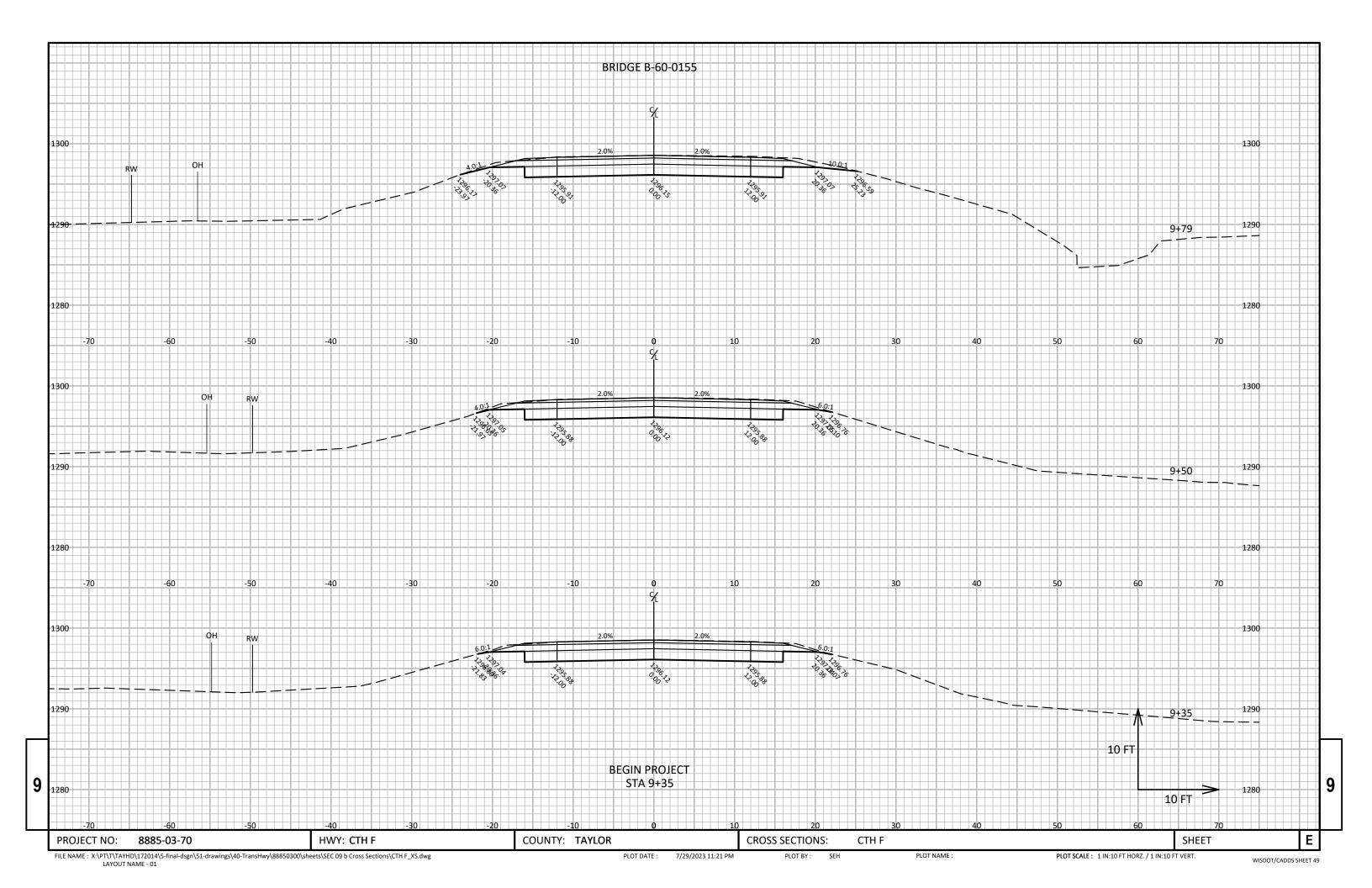
PROJECT NO: 8885-03-70 HWY:		HWY: CTH F	COUNTY: TAYLOR				EARTHWORK SUMMARY		
FILE NAME : X:\PT\T\TAYHI	D\172014\5-final-dsgn\51-drawings\40-TransHwy\88850300\sh	eets\SEC 09 a Earthwork Data\090100-ew (Earthwork Qtys).dwg		PLOT DATE :	7/29/2023 11:19 PM	PLOT BY :	SEH	PLOT NAME :	

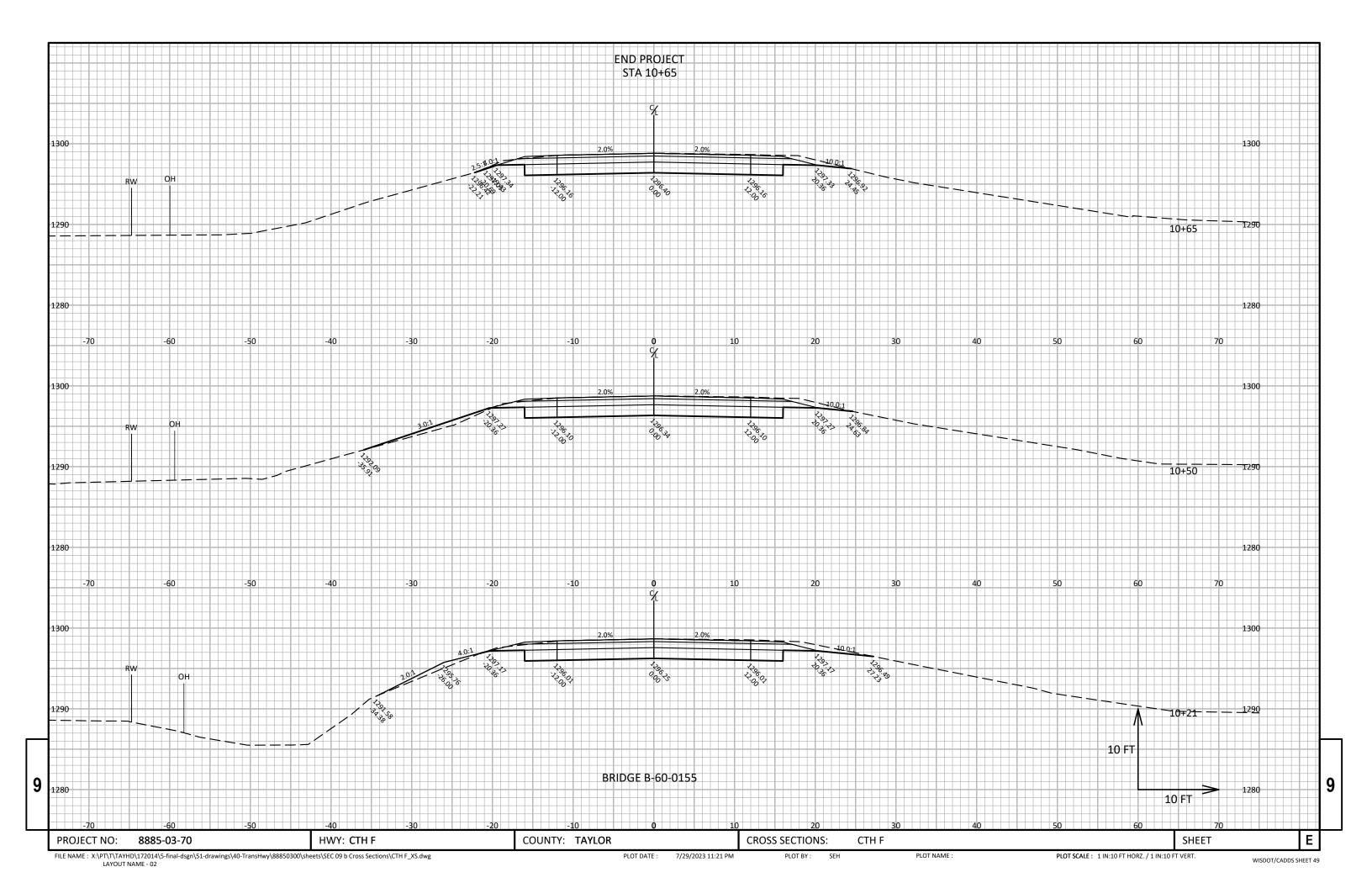
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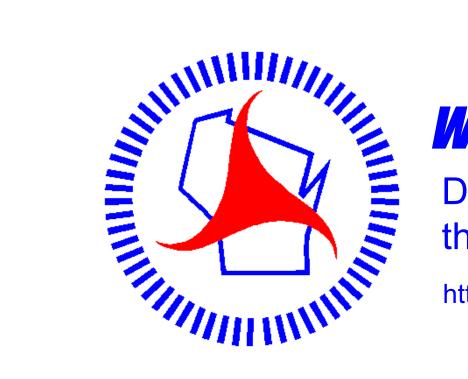


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Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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