MAY 2014

ORDER OF SHEETS

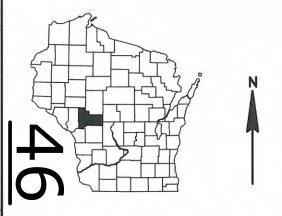
Section No. 1 Typical Sections and Details Estimate of Quantities Section No. 3 Miscellaneous Quantities Section No. 3

Plan and Profile Section No. 5 Section No. 6 Standard Detail Drawings

Structure Plans Computer Earthwork Data

Section No. 9 Cross Sections

TOTAL SHEETS = 42



DESIGN DESIGNATION

A.A.D.T. (2014) = 35 A.A.D.T. (2034) = 50D.H.V. D.D. = NA = N/A DESIGN SPEED = 40 MPH **ESALS** = N/A

CONVENTIONAL SYMBOLS

MARSH AREA

WOODED OR SHRUB AREA

PLAN CORPORATE LIMITS PROPERTY LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE SLOPE INTERCEPT REFERENCE LINE EXISTING CULVERT PROPOSED CULVERT (Box or Pipe) COMBUSTIBLE FLUIDS

PROFILE GRADE LINE ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH

GRADE ELEVATION CULVERT (Profile View)

UTILITIES FIBER OPTIC SANITARY SEWER STORM SEWER TELEPHONE WATER

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

LABEL _ _ T-19-N

T-20-N

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

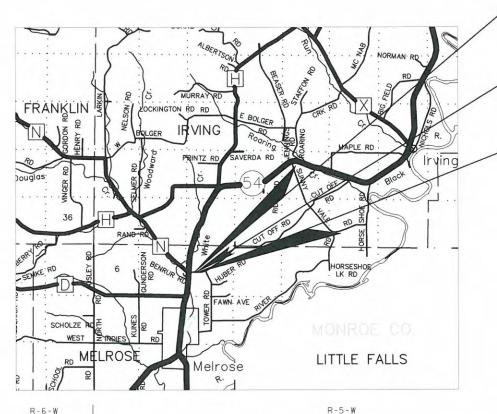
PLAN OF PROPOSED IMPROVEMENT

T MELROSE, CUT OFF ROAD

BR DOUGLAS CREEK BRIDGE B-27-0159

LOCAL STREET JACKSON COUNTY

> STATE PROJECT NUMBER 7260-00-70



BEGIN PROJECT 7260-00-70

STATE PROJECT

7260-00-70

STA. 8+50.00 Y = 44,611.689 X = 50,103.916

STRUCTURE B-27-0159 STA. 10+04.00

END PROJECT 7260-00-70

STA. 11+50.00 Y = 44,622.930X = 50,403.700

> MEAD & HUNT Surveyor MEAD & HUNT Designer KNIGHT E/A, INC. Consultant

C.O. Examiner

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT

ACCEPTED FOR

ORIGINAL PLANS PREPARED BY

PROJECT

WISC 2014209

CONTRACT

1

LAYOUT

TOTAL NET LENGTH OF CENTERLINE = 0.049 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, JACKSON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

PLOT DATE: 12/16/2013 8:07 AM

PLOT BY : JEFF BREU

PLOT NAME :

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

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

THE LOCATION OF EXISTING 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.

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.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH SALVAGED TOPSOILED, FERTILIZED, SEEDED AND MULCHED.

BEARINGS SHOWN ON THE PLANS ARE GRID BEARINGS TO THE NEAREST SECOND.

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

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

3 1/2-INCH ASPHALTIC SURFACE SHALL BE CONSTRUCTED WITH A 1 3/4 -INCH UPPER LAYER AND A 1 3/4-INCH LOWER LAYER.

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

EXISTING PIPE CULVERT SIZES SHOWN ARE APPROXIMATE AND THE CONTRACTOR SHALL BASE ITS BID ON ACTUAL FIELD CONDITIONS.

SHRINKAGE IS ESTIMATED AT 25%.

STANDARD ABBREVIATIONS

EXC EXCAVATION T TRUCKS (PERCENT OF) FT FOOT TLE TEMPORARY LIMITED EASEMENT FTG FOOTING TYP TYPICAL LB POUND VAR VARIABLE LF LINEAR FOOT VC VERTICAL CURVE LHF LEFT—HAND FORWARD VPC VERTICAL POINT OF CURVE LS LUMP SUM VPI VERTICAL POINT OF INTERSECTION LT LEFT VPT VERTICAL POINT OF TANGENCY
--

CONSULTANT CONTACT

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750 NORTH THIRD STREET
LA CROSSE, WI 54601
ATTN: JAY WHEATON, P.E.
TELEPHONE: 608-784-6040

E-MAIL: JAY.WHEATON@MEADHUNT.COM

DNR LIAISON
DEPARTMENT OF NATURAL RESOURCES
DNR SERVICE CENTER
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
ATTN: KAREN KALVELAGE
TELEPHONE: 608-785-9115
E-MAIL: KAREN.KALVELAGE@WISCONSIN.GOV

JACKSON COUNTY

JACKSON COUNTY HIGHWAY DEPARTMENT

119 HARRISON STREET

BLACK RIVER FALLS, WI 54615

ATTN: RANDY ANDERSON

TELEPHONE: 715-284-0233

E-MAIL: RANDY.ANDERSON@CO.JACKSON.WI.US

UTILITY CONTACTS

*JACKSON ELECTRIC COOPERATIVE ELECTRIC ATTN: KEVIN BABCOCK BLACK RIVER FALLS, WI 54615

TELEPHONE: 715-284-5385
MOBILE: 715-896-2700
E-MAIL: KEVINB@JACKELEC.COM

*CENTRYLINK
TELEPHONE
ATTN: DONNA SMOTHERS
835 RED IRON ROAD
BLACK RIVER FALLS, WI 54615
TELEPHONE: 715-284-4375
E-MAIL: DONNA.SMOTHERS@CENTURYLINK.COM

* Denotes Diggers Hotline Member

ORDER OF SECTION 2 SHEETS

TYPICAL SECTIONS
CONSTRUCTION DETAILS
ALIGNMENTS



PROJECT NO:7260-00-70 HWY:CUT OFF ROAD COUNTY: JACKSON GENERAL NOTES

FILE NAME: X:\3223700\122246.01\TECH\CAD\XXXXXXXXX\SHEETSPLAN\020101_GN.DWG PLOT DATE: 1/28/2014 10:29 AM PLOT BY: JEFF BREU PLOT NAME: PLOT SCALE: 1 IN:100 FT

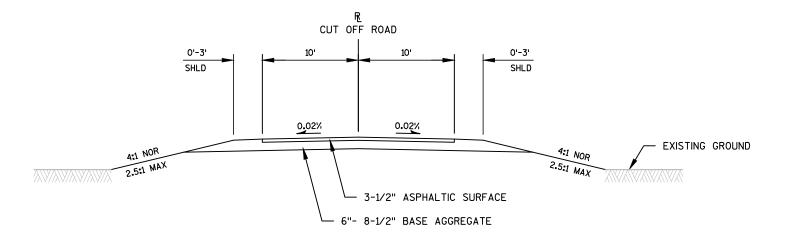
WISDOT/CADDS SHEET 42

SHEET

Ε

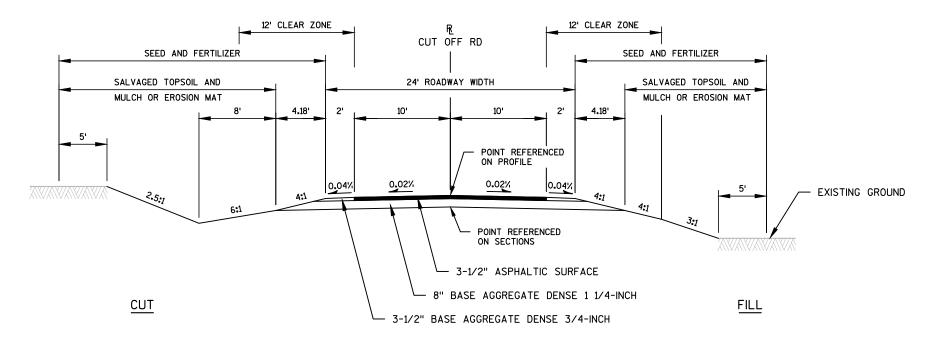
2





EXISTING TYPICAL SECTION

STA 8+50 TO STA 9+86 STA 10+15 TO STA 11+50



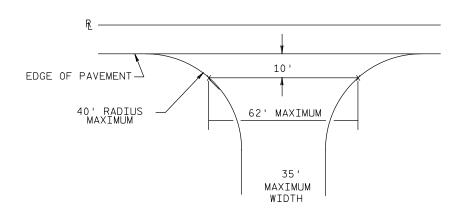
PROPOSED TYPICAL SECTION

STA 8+50.00 TO STA 9+83.00 STA 10+25.00 TO STA 11+50.00

PROJECT NO:7260-00-70 HWY:CUT OFF ROAD COUNTY:JACKSON PLAN: TYPICAL SECTIONS SHEET **E**

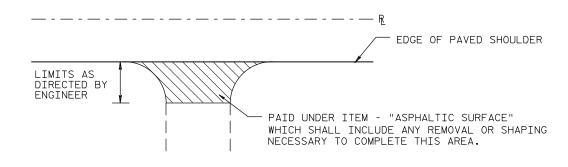
10' EDGE OF PAVEMENT 30' RADIUS MAXIMUM 40' MAXIMUM 16' TYPICAL 24' MAXIMUM WIDTH

TYPICAL DRIVEWAY DETAIL (NON-COMMERCIAL RURAL)



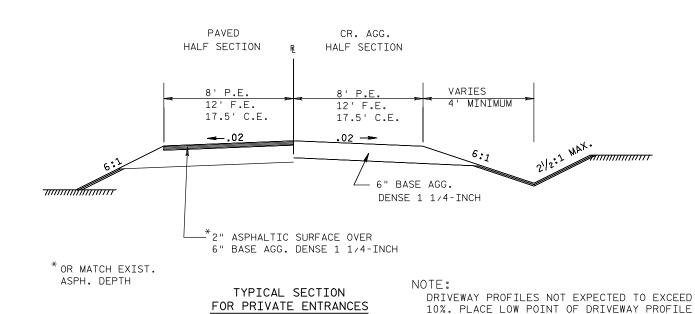
TYPICAL DRIVEWAY DETAIL (COMMERCIAL RURAL)

RURAL DRIVEWAY DETAIL - ASPHALT



ANY ADDITIONAL BASE AGG. DENSE REQ'D. SHALL BE PAID UNDER ITEM - "BASE AGGREGATE DENSE 1 1/4-INCH"

OVER DITCH FLOW LINE.



PROJECT NO:7260-00-70 HWY: CUT OFF ROAD

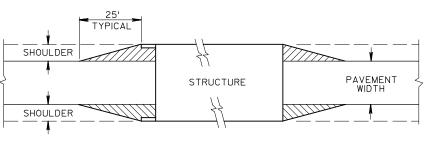
COUNTY: JACKSON

CONSTRUCTION DETAILS

SHEET

Ε

2



DETAIL FOR ASPHALTIC SURFACE TAPERS AT STRUCTURE

PROJECT NO:7260-00-70 HWY:CUT OFF ROAD COUNTY:JACKSON CONSTRUCTION DETAILS SHEET **E**



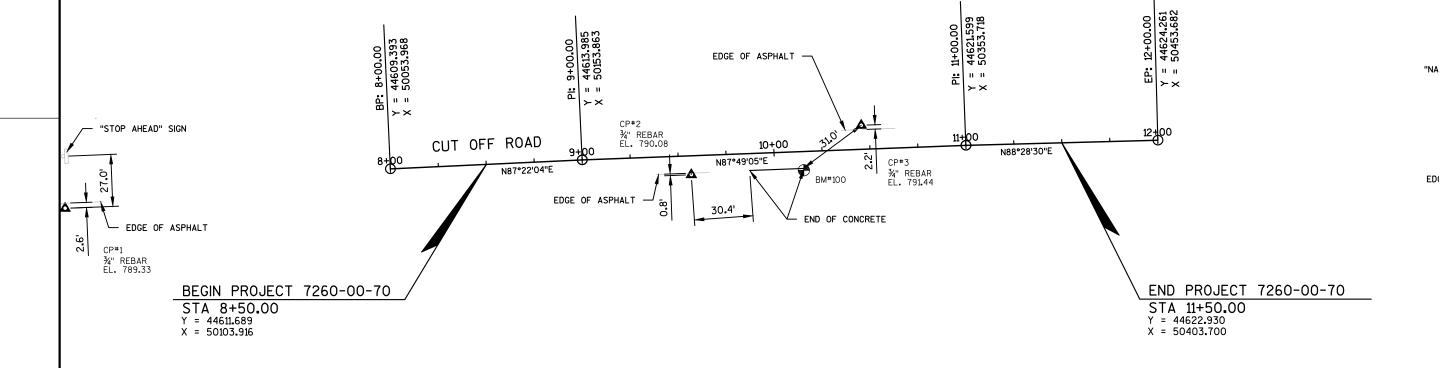
BENCH MARKS

HWY: CUT OFF ROAD

NO.	STATION	DESCRIPTION	ELEV.
100	10+15	PAINTED CONCRETE RAILING SE CORNER OF BRIDGE	792 . 58

CONTROL POINTS								
POINT NUMBER	(Y)	(×)	POINT ELEVATION					
1	44588.823	49884.543	789.33					
2	44606.324	50210.695	790.08					
3	44632.037	50299.193	791.44					
4	44619.363	50667.375	805.92					





"NARROW BRIDGE" SIGN

TO SERVICE SIGN

CP#4

WY

CP#4

WY

REBAR

EL. 805.92

SHEET

PROJECT NO:7260-00-70

ALIGNMENTS

Ε

LINE	ALIVIT	L 3 1	IIWAI	LOIQUAN	7260-00-70
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0010	201. 0105	CLEARING	STA	4.000	4.000
0020	201. 0205	GRUBBI NG	STA	4. 000	4. 000
030	203. 0600. S	REMOVING OLD STRUCTURE OVER WATERWAY	LS	1. 000	1. 000
		WITH MINIMAL DEBRIS (STATION) 01. 10+03.			
0040	205. 0100	EXCAVATION COMMON	CY	306, 000	306.000
0050	206. 1000	EXCAVATION FOR STRUCTURES BRIDGES	LS	1. 000	1. 000
		(STRUCTURE) 01. B-27-159			
060	210 0100	DACKELLI CIDICIUDE	CV	140,000	140,000
0060 0070	210. 0100 213. 0100	BACKFILL STRUCTURE FINISHING ROADWAY (PROJECT) 01.	CY EACH	160. 000 1. 000	160. 000 1. 000
3070	213.0100	7260-00-70	LACIT	1.000	1.000
080	305. 0110	BASE AGGREGATE DENSE 3/4-INCH	TON	25.000	25.000
090	305. 0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	430.000	430.000
)100	455. 0605	TACK COAT	GAL	20. 000	20. 000
110	465. 0105	ASPHALTI C SURFACE	TON	140. 000	140. 000
1120	502. 0100	CONCRETE MASONRY BRIDGES	CY	140. 000	140. 000
130	502. 3200	PROTECTI VE SURFACE TREATMENT	SY	147. 000	147. 000
140	505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	3, 710. 000	3, 710. 000
150	505.0605	BAR STEEL REINFORCEMENT HS COATED	LB	17, 250. 000	17, 250. 000
		BRI DGES			
160	513. 4060	RAILING TUBULAR TYPE M (STRUCTURE) 01.	LS	1. 000	1. 000
100	513.4000	B-27-159	LJ	1.000	1.000
170	516. 0500	RUBBERI ZED MEMBRANE WATERPROOFI NG	SY	18. 000	18. 000
180	550. 2106	PILING CIP CONCRETE 10 3/4 X 0.365-INCH	LF	425. 000	425. 000
190	606. 0300	RI PRAP HEAVY	CY	125. 000	125.000
0200	612. 0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	50.000	50.000
)210	612. 0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	88. 000	88. 000
0220	619. 1000	MOBILIZATION	EACH	1. 000	1. 000
0230	625. 0500	SALVAGED TOPSOIL	SY	940. 000	940. 000
0240	627. 0200	MULCHI NG	SY	860. 000	860. 000
0250	628. 1504	SILT FENCE	LF	500.000	500. 000
	(00 4500	OLL T. FENOE MALNITENANCE		1 000 000	1 000 000
260	628. 1520	SILT FENCE MAINTENANCE	LF	1, 000. 000	1, 000. 000
0270 0280	628. 1905 628. 1910	MOBILIZATIONS EROSION CONTROL MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH EACH	3. 000 2. 000	3. 000 2. 000
0290	628. 2004	EROSION MAT CLASS I TYPE B	SY	90. 000	90. 000
0300	628. 7504	TEMPORARY DITCH CHECKS	LF	50. 000	50. 000
0310	629. 0210	FERTILIZER TYPE B	CWT	0.600	0.600
)320)330	630. 0120 630. 0200	SEEDI NG MI XTURE NO. 20 SEEDI NG TEMPORARY	LB LB	25. 000 25. 000	25. 000 25. 000
0340	634. 0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	4. 000	4. 000
0350	637. 2230	SIGNS TYPE II REFLECTIVE F	SF	12. 000	12. 000
0360	638. 2602	REMOVING SIGNS TYPE II	EACH	4.000	4. 000
)370	638. 3000	REMOVING SMALL SIGN SUPPORTS	EACH	4.000	4. 000
)380)390	642. 5001 643. 0100	FIELD OFFICE TYPE B TRAFFIC CONTROL (PROJECT) 01. 7260-00-70	EACH	1. 000 1. 000	1. 000 1. 000
)390)400	643. 0420	TRAFFIC CONTROL (PROJECT) 01. 7260-00-70	EACH DAY	980. 000	980. 000
		THE THE DIMINION OF THE THE	D/(1	750.000	755. 000
0410	643. 0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	1, 400. 000	1, 400. 000
0420	643.0900	TRAFFIC CONTROL SIGNS	DAY	630. 000	630. 000
0430	645. 0120	GEOTEXTILE FABRIC TYPE HR	SY	260. 000	260. 000
0440	650. 4500	CONSTRUCTION STAKING SUBGRADE	LF	262. 000	262.000
0450	650. 5000	CONSTRUCTION STAKING BASE	LF	262. 000	262. 000
0460	650. 6500	CONSTRUCTION STAKING STRUCTURE LAYOUT	LS	1. 000	1.000
50	555. 5556	(STRUCTURE) 01. B-27-159		1. 000	000
0470	650. 9910	CONSTRUCTION STAKING SUPPLEMENTAL	LS	1.000	1. 000
		CONTROL (PROJECT) 01. 7260-00-70			
ATE 01	APR14	E S T	ГІМАТ	E OF QUAN	TITIES
INE					7260-00-70
NUMBER		I TEM DESCRIPTION	UNIT	TOTAL	QUANTI TY
0480	650. 9920	CONSTRUCTION STAKING SLOPE STAKES	LF	262. 000	262. 000

ESTIMATE OF QUANTITIES

DATE 01APR14

0490 0500	690. 0150 715. 0502	SAWING ASPHALT INCENTIVE STRENGTH CONCRETE STRUCTURES	LF DOL	40. 000 960. 000	40. 000 960. 000	
0510	ASP. 1TOA	ON-THE-JOB TRAINING APPRENTICE AT \$5.	HRS	1, 200. 000	1, 200. 000	
0520	ASP. 1T0G	OO/HR ON-THE-JOB TRAINING GRADUATE AT \$5.00/HR	HRS	300. 000	300.000	

CLEARING AND GRUBBING

201.0105 201.0205 CLEARING GRUBBING

STATION TO STATION LOCATION STA STA 8+00 CUT OFF RD -12+00 4 **TOTAL** 4

EARTHWORK SUMMARY

FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION CUT (1)	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	AVAILABLE MATERIAL (2)	UNEXPANDED FILL	EXPANDED FILL (FACTOR 1.25)	MASS ORDINATE +/- (3)	WASTE
8+50 - 11+50	CUT OFF RD	306	47	259	30	38	+222	222
TOTAL COMMON EX		306						

- SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED
- AVAILABLE MATERIAL = CUT SALVAGED/UNUSABLE PAVEMENT MATERIAL
- THE MASS ORDINATE + OR QUANTITY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AS EXCESS OF MATERIAL WITHIN THE DIVISION, MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

BASE AGGREGATE DENSE

				305.0110	305.0120
				BASE	BASE
				AGGREGATE	AGGREGATE
				DENSE 3/4 INCH	DENSE 1-1/4 INCH
STATION	TO	STATION	LOCATION	TON	TON
8+50	-	9+80	CUT OFF RD	13	205
10+25	-	11+50	CUT OFF RD	12	225
			TOTAL	25	430

ASPHALT SUMMARY

				455.0605 TACK COAT	465.0105 ASPHALTIC SURFACE
STATION	TO	STATION	LOCATION	GAL	TON
8+50	-	9+80	CUT OFF RD	10	65
10+25	-	11+50	CUT OFF RD	10	75
			TOTAL	20	140

630.0120

SEEDING

630.0200

629.0210

MOBILIZATION

TOTAL

619.1000 **MOBILIZATION** LOCATION **EACH** CUT OFF RD 0.26 **CUT OFF RD** 0.74 1.00

LANDSCAPING ITEMS 628.2004

EROSION MAT

625.0500

STATION	то	STATION	LOCATION	SALVAGED TOPSOIL SY	CLASS I TYPE B SY	627.0200 MULCHING SY	FERTILIZER TYPE B CWT	MIXTURE NO. 20 LB	SEEDING TEMPORARY LB
8+50	-	9+90	CUT OFF RD, LT	300	-	310	0.2	8	8
8+50	-	9+64	CUT OFF RD, RT	220	90	130	0.1	6	6
10+20	-	11+50	CUT OFF RD, LT	190	-	190	0.1	5	5
10+15	-	11+50	CUT OFF RD, RT	230	-	230	0.1	6	6
			TOTAL	940	90	860	0.6	25	25

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED AS 0020.

STATION TO STATION

PROJECT

PROJECT

CATEGORY

0010

0020

SHEET NO: Ε PROJECT NO: 7260-00-70 **HWY: CUT OFF ROAD COUNTY: JACKSON MISCELLANEOUS QUANTITIES**

FILE NE: PLOT DATE: PLOT BY : _ PLOT NAME: ORIGINATOR: PLOT SCALE: ORG DATE:

STATION

10+04

9+75

9+85

10+25

10+25

LOCATION

BRIDGE CORNERS

CUT OFF RD, RT

CUT OFF RD, LT

CUT OFF RD, RT

CUT OFF RD, LT

TOTAL

SILT FENCE

628.1520

			TOTAL	500	1 000
10+90	-	11+50	CUT OFF RD, RT	60	120
10+00	-	11+50	CUT OFF RD	210	420
8+50	-	10+10	CUT OFF RD	230	460
STATION	TO	STATION	LOCATION	LF	LF
				SILT FENCE	MAINTENANCE
				628.1504	SILT FENCE

EROSION CONTROL SUMMARY

-	11+50	CUT OFF RD	3	2	-
-	10+30	CUT OFF RD, RT	-	-	10
-	9+75	CUT OFF RD, LT	-	-	40
TO	STATION	LOCATION	EACH	EACH	LF
			CONTROL	CONTROL	CHECKS
			EROSION	EROSION	DITCH
			MOBILIZATIONS	EMERGENCY	TEMPORARY
			628.1905	MOBILIZATIONS	628.7504
				628.1910	
		- 10+30	 9+75 CUT OFF RD, LT 10+30 CUT OFF RD, RT 	MOBILIZATIONS EROSION CONTROL TO STATION LOCATION EACH - 9+75 CUT OFF RD, LT 10+30 CUT OFF RD, RT -	628.1905 MOBILIZATIONS MOBILIZATIONS EMERGENCY EROSION CONTROL CONTROL OFF RD, LT - 10+30 CUT OFF RD, RT - 2 - 3400 MOBILIZATIONS EMERGENCY EACH EACH - 2

	SIGNING			
		638.2602	638.3000	
634.0614	637.2230	REMOVING	REMOVING	
POSTS WOOD	SIGNS TYPE II	SIGNS	SMALL SIGN	
4x6-INCH x 14-FT	REFLECTIVE F	TYPE II	SUPPORTS	
EACH	SF	EACH	EACH	COMMENTS
-	-	4	4	_
1	3	-	-	W5-52R
1	3	-	-	W5-52L
1	3	-	-	W5-52L

	TRAFFIC CONTE	ROL ITEMS	
		643.0705	
	643.0420	TRAFFIC	
	TRAFFIC	CONTROL	643.0900
	CONTROL	WARNING	TRAFFIC
	BARRICADES	LIGHTS	CONTROL
	TYPE III	TYPE A	SIGNS
LOCATION	DAYS	DAYS	DAYS
WEST OF BRIDGE	490	700	280
EAST OF BRIDGE	490	700	350
TOTAL	980	1,400	630

CONSTRUCTION STAKING

12

				TOTAL	262	262	1	262
0010	10+23	-	11+50	CUT OFF RD	127	127	-	127
0020		10+04	4	STRUCTURE B-27-159	-	-	1	-
0010	8+50	-	9+85	CUT OFF RD	135	135	-	135
CATEGORY	STATION	I TO	STATION	LOCATION	LF	LF	LS	LF
					SUBGRADE	BASE	(STRUCTURE)	STAKES
					650.4500	650.5000	LAYOUT	SLOPE
							STRUCTURE	650.9920
							650.6500	

690.0150 SAWING **ASPHALT** LF LOCATION

STATION 8+50 CUT OFF RD 20 11+50 CUT OFF RD 20 **TOTAL** 40

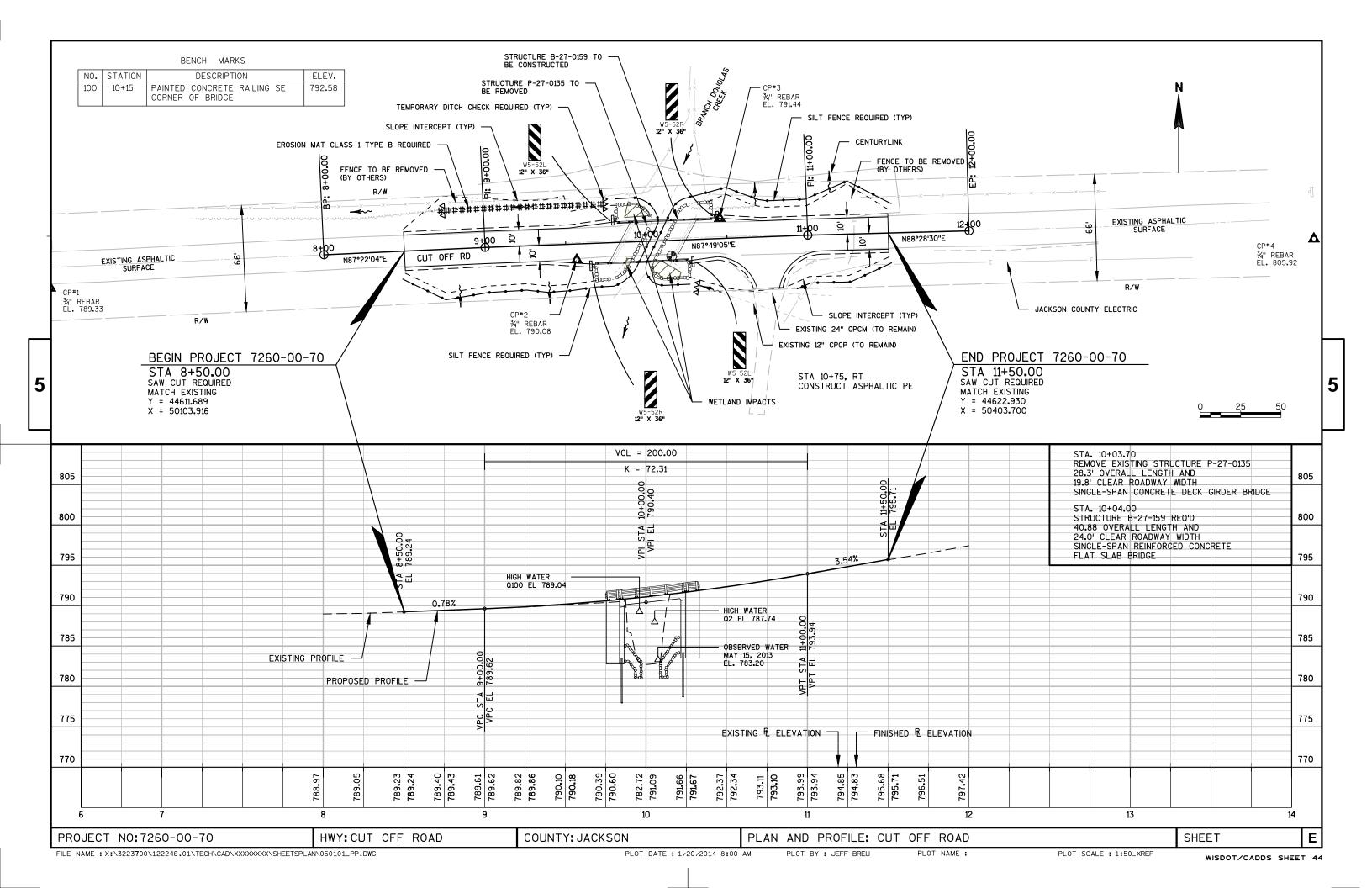
SAWING ASPHALT

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED AS 0020.

COUNTY: JACKSON MISCELLANEOUS QUANTITIES SHEET NO: Ε PROJECT NO: 7260-00-70 **HWY: CUT OFF ROAD**

W5-52R

FILE NE: PLOT DATE : PLOT BY : _ PLOT NAME : ORIGINATOR: PLOT SCALE: ORG DATE:



Standard Detail Drawing List

08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
12A03-10	NAME PLATE (STRUCTURES)
15C02-05A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-05B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C06-06	SIGNING & MARKING FOR TWO LANE BRIDGES

6

GENERAL NOTES

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

TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF **EROSION BALES / TEMPORARY** DITCH CHECKS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 /S/ Beth Connestro
CHIEF ROADWAY DEVELOPMENT ENGINEER

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TYPICAL APPLICATION OF SILT FENCE

6

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

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

- \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 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 /S/ Beth Cannestra

29-05 /S/ Beth Cannestra
DATE CHIEF ROADWAY DEVELOPMENT ENGINEER

6

٥

D.D. 8 E 9





TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

GENERAL NOTES

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 WITH MANUFACTURER'S RECOMMENDATIONS.
- (2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SPREAD OPEN SO THE TOP OF LUG IS 11/4" WIDE

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

|--|

3/26/IO /S/ SCOT BECKET

CHIEF STRUCTURAL DEVELOPMENT ENGINEER

D.D. 12 A

3-10



BRIDGE ROAD 1)TWO-WAY **CLOSED** TYPE "A" WARNING LIGHTS REQUIRED OUTSIDE EDGE OF SHOULDER OUTSIDE EDGE OF SHOULDER OR FACE OF CURB OR FACE OF CURB **DETAIL D**

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE 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, 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". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)

M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" 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".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

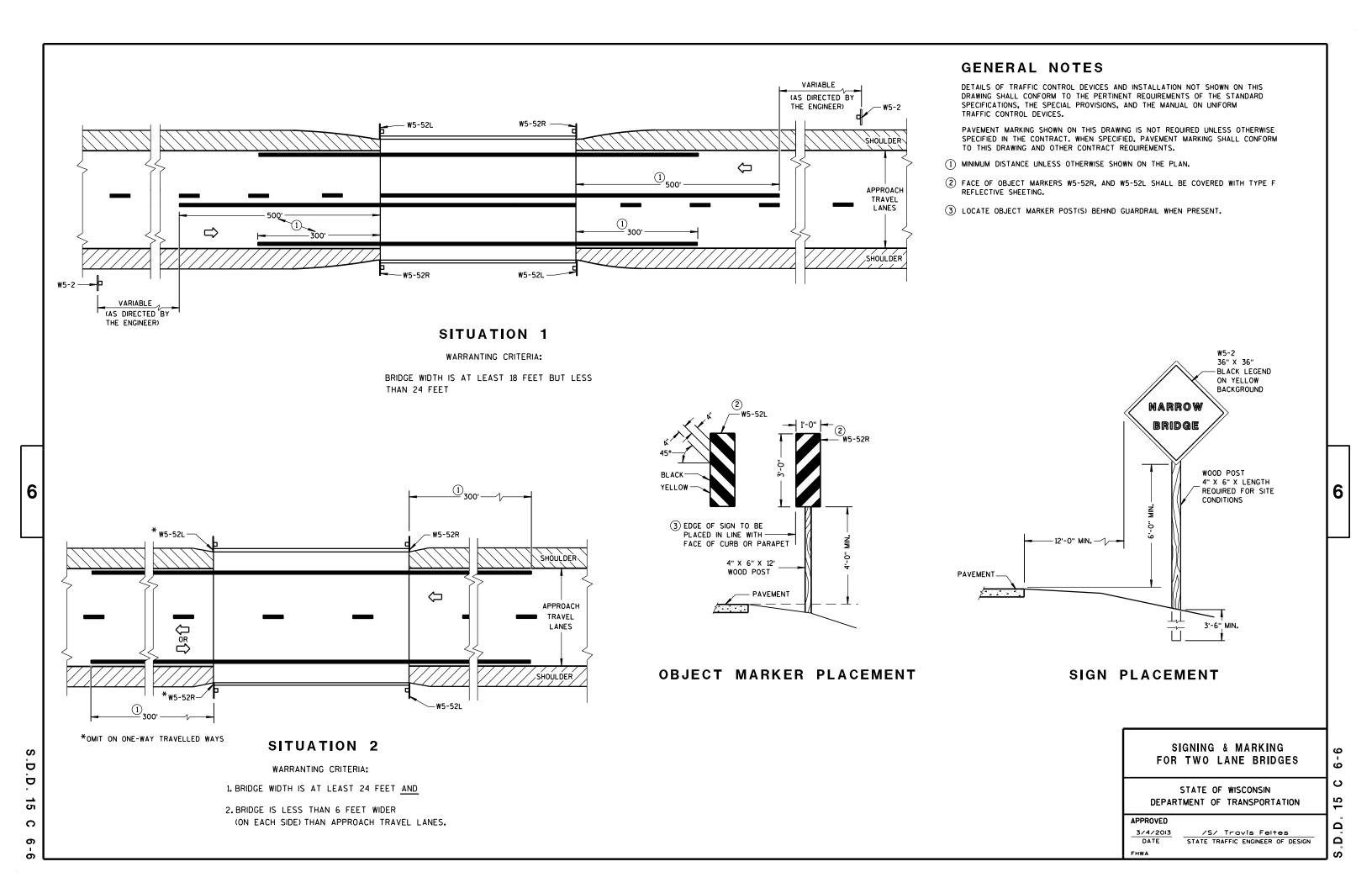
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN

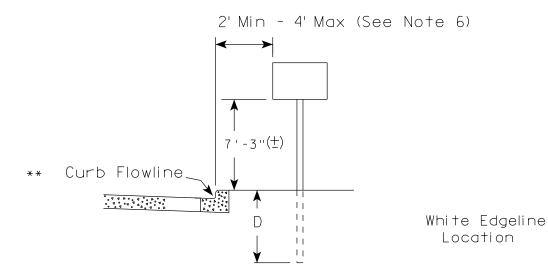
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Δ

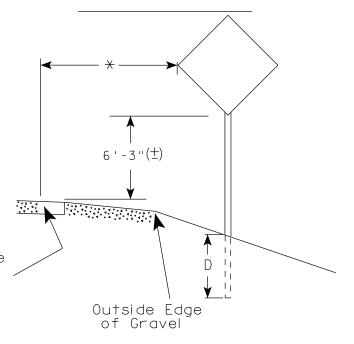
2



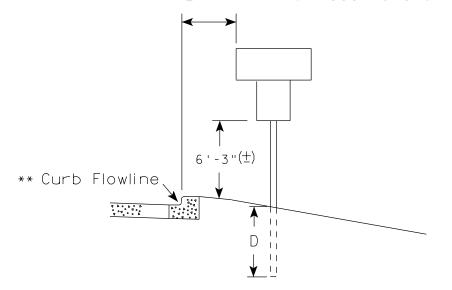
URBAN ARFA



RURAL AREA (See Note 2)



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



5'-3"(生) A POLICE AND A POL White Edgeline D^{-1} Location Outside Edae of Gravel

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

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

HWY:

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

PLOT BY : mscj9h

GENERAL NOTES

- 1. Signs wider than 4 feet, 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is 7'- 3" (+) or 6'-3" (+) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A4-5) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3" (+).
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (+) or as directed by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3'' (\pm). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series) & End of Rod Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (+).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer

DATE 9/30/13

SHEET NO:

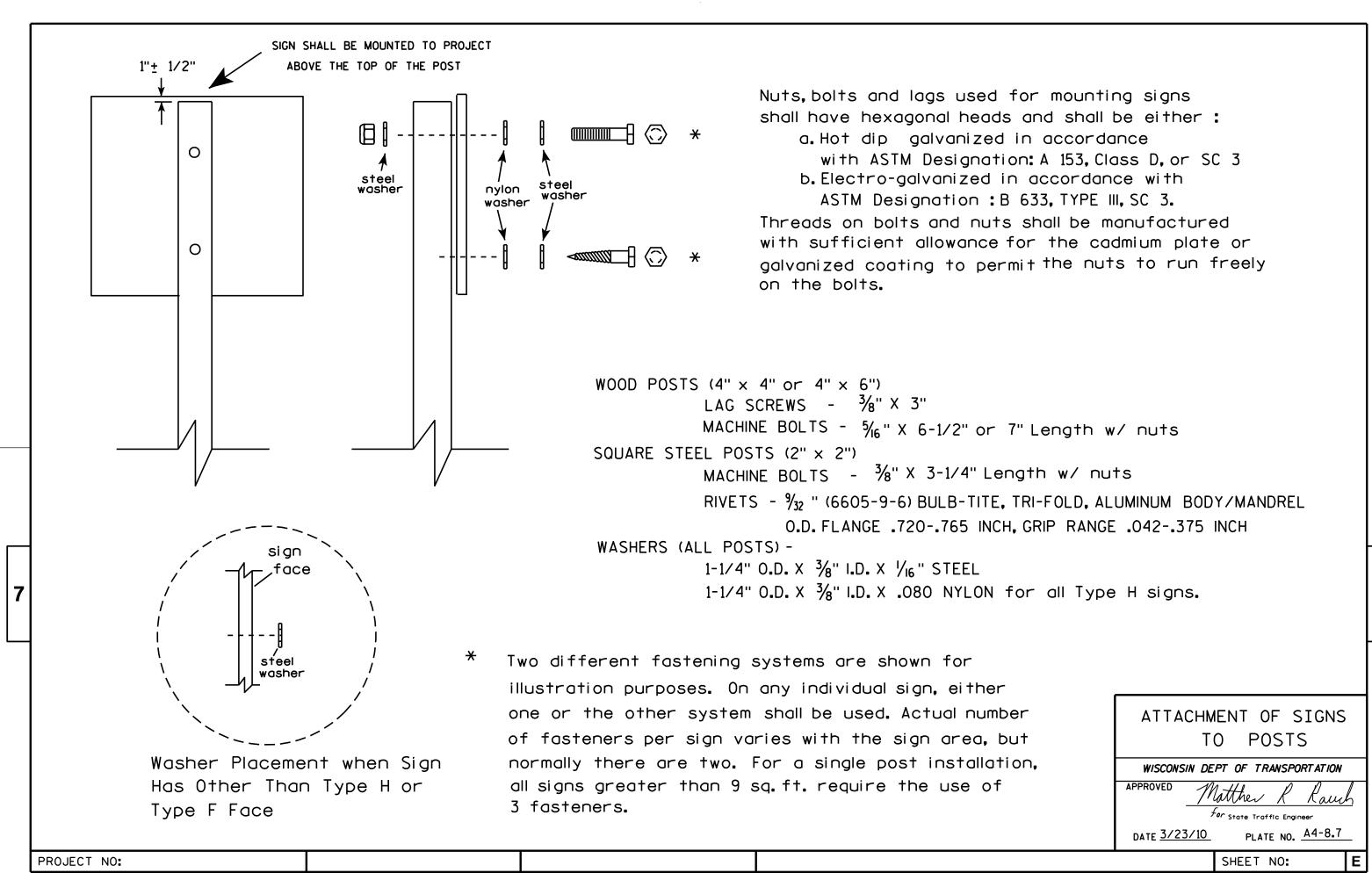
PROJECT NO: FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN COUNTY:

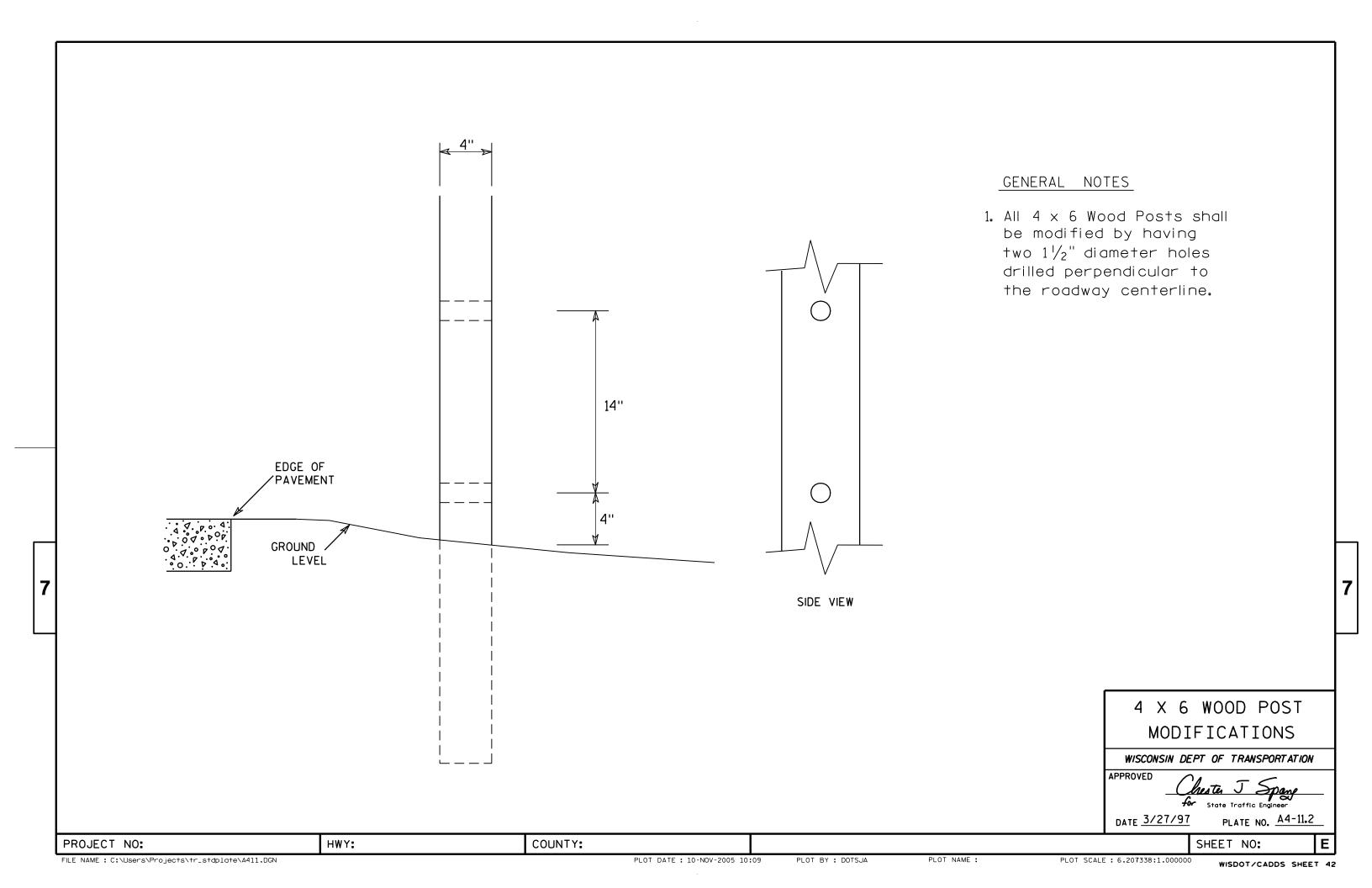
PLOT DATE: 30-SEP-2013 13:25

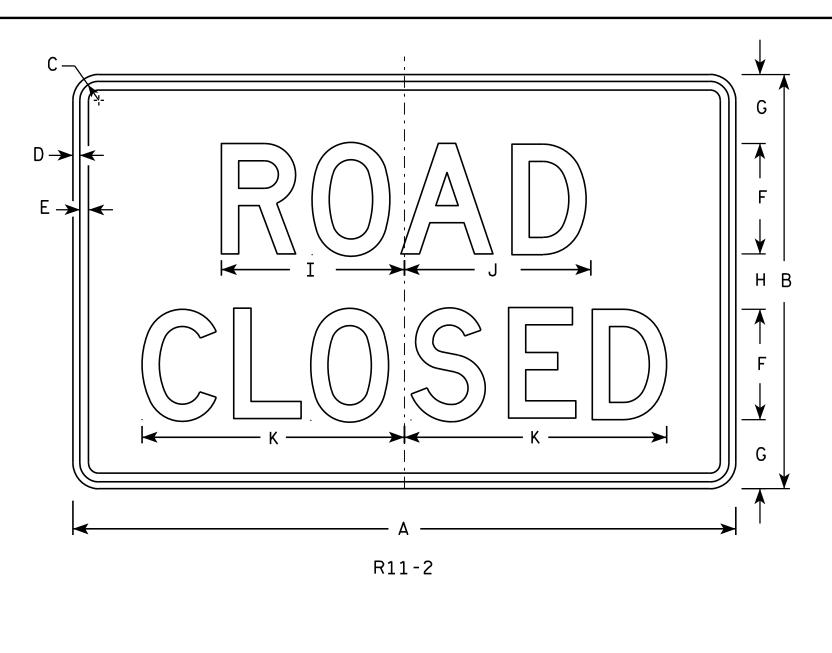
PLOT NAME :

PLOT SCALE: 99.237937:1.000000

WISDOT/CADDS SHEET 42



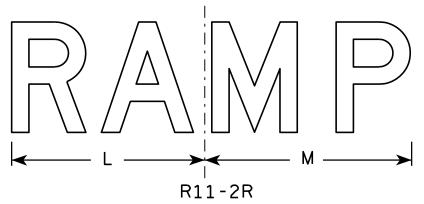


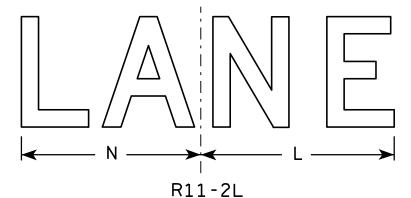


- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

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





X	Y	Z	Area sq. ft.
			10.0
			10.0

WISCONSIN DEPT OF TRANSPORTATION

Matthew & Raux

DATE 4/1/11 PLATE NO. R11-2.10

STANDARD SIGN

R11-2

SHEET NO:

SIZE	Α Ι	В	_	D	F	F	G	ш	Т		- к	ı	м	N	<u> </u>	P	<u> </u>	R	<u> </u>	т	11	v	w	x	V I	7	Area sq. ft.
1					_	•			_	3		_		.,		'			3			•					SQ. TT.
25	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

COUNTY:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.DGN

HWY:

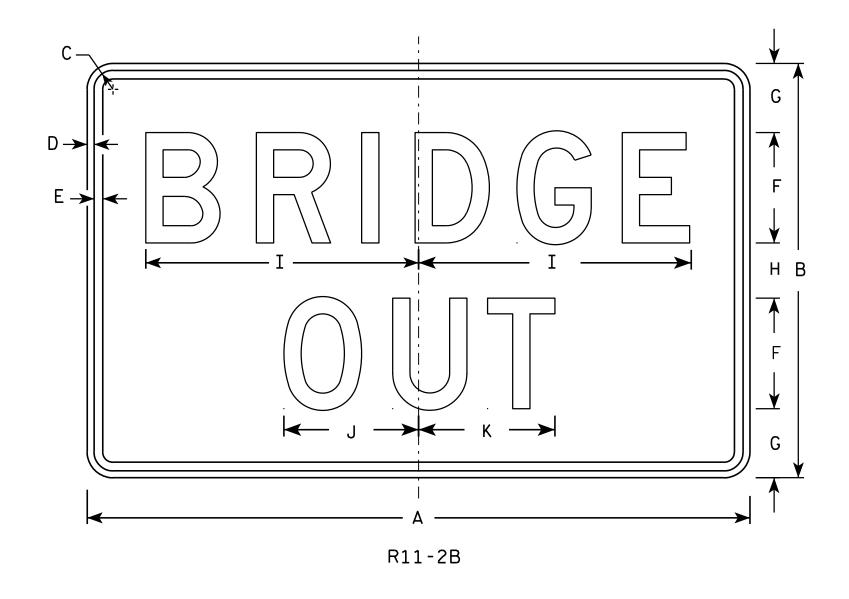
PROJECT NO:

PLOT BY: mscj9h

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

Background - White Message - Black

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



SIZE G S 1 3/8 1/2 5/8 48 30 19 34 9 34 9 38 10.0 2M 5/8 1/2 48 30 1 3/8 5 19 34 9 34 9 78 10.0 3 5/8 1 3/8 1/2 19 3/4 9 3/4 9 3/8 48 30 5 10.0 5/8 19 3/4 9 3/4 9 1/8 4 1 3/8 1/2 48 30 10.0 5 19 3/4 9 3/4 9 3/8 1 3/8 5/8 48 30 10.0

STANDARD SIGN R11-2B

WISCONSIN DEPT OF TRANSPORTATION

Matther R Rauh

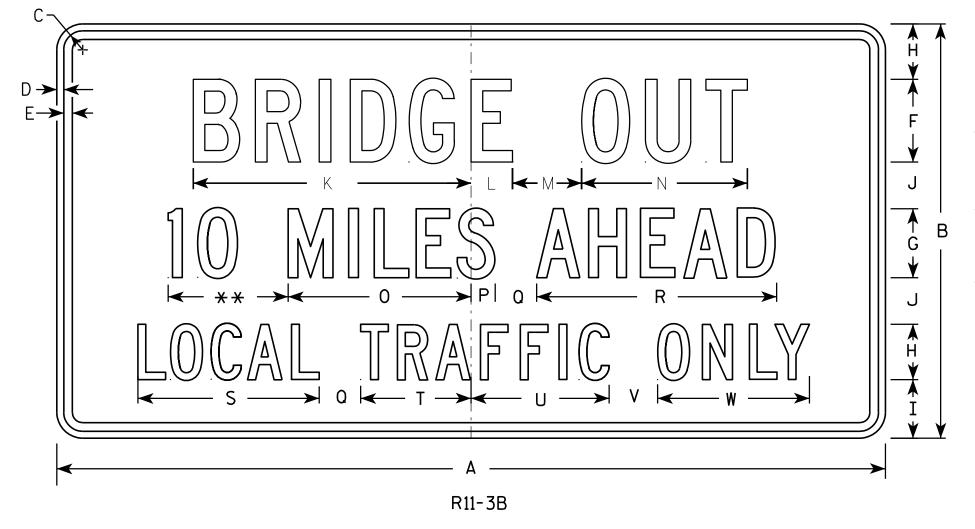
For State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2B.2

TE 471711 PLATE NO. 1111

SHEET NO:

PROJECT NO:



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

Background - White Message - Black

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

** See Note 5

PLOT NAME :

PRC	ROJECT NO:							HWY:					С	OUNT	/:												
5																											
4																											
3																											
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	13 1/4	2 1/4	3	8	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 ¾				4.5
SIZE	A	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Arec sq. fi

STANDARD SIGN R11-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Raug For State Traffic Engineer PLATE NO. R11-3B.2 DATE 4/1/11

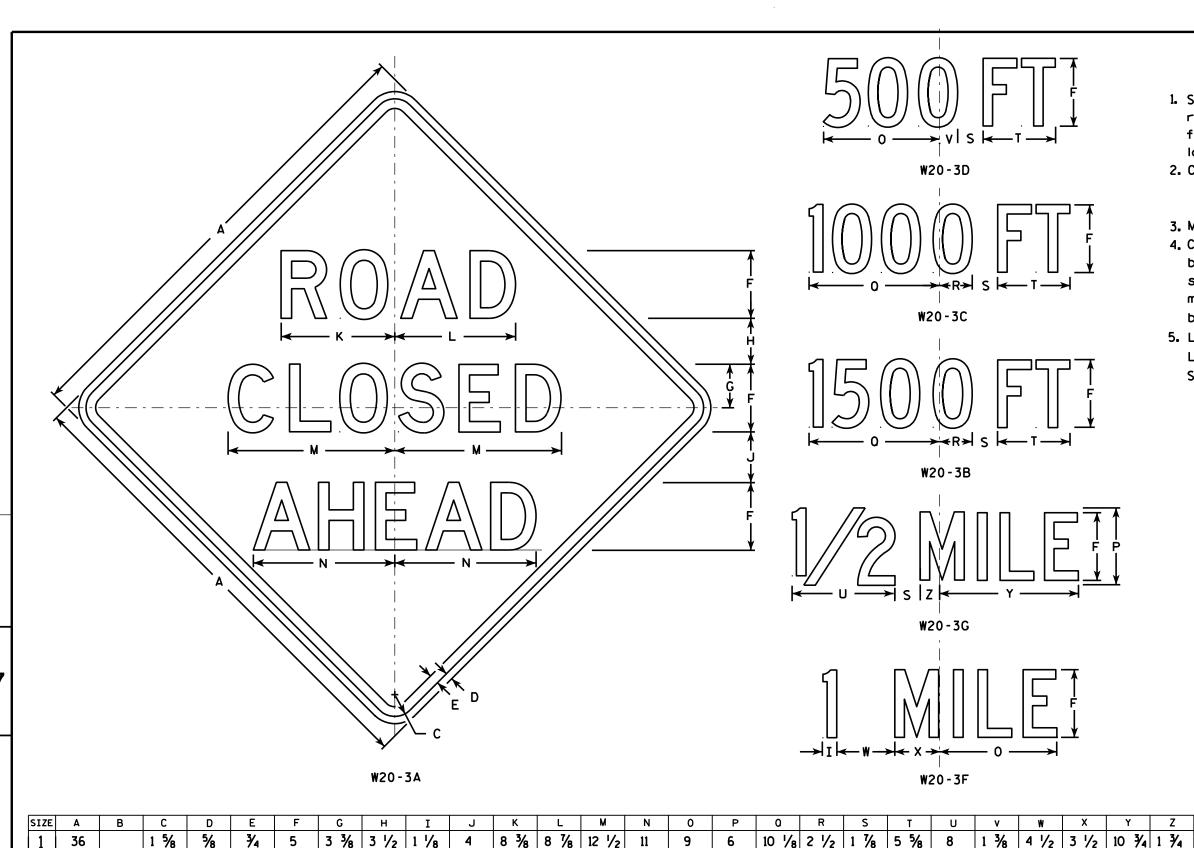
SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R113B.DGN

PLOT DATE: 01-APR-2011 14:17

PLOT BY: mscj9h

PLOT SCALE: 6.952219:1.000000



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

Background - Orange Message - Black

- 3. Message Series see note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Lines 1 and 2 are Series D.
 Line 3 is Series D for AHEAD and
 Series C for all other distances.

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Lawn
For Store Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

SHEET NO: E

3/4 4 1/2 4 3/4 1 1/2 5 1/4 11 3/4 12 1/2 17 1/4 14 5/8 13 1/2 3 3/8 2 5/8 4 \\ 14 \\ 38 \ 2 \\ 38 \ 16.0 7 1/2 10 5/8 1 7/8 48 5 4 5/8 14 3/8 2 3/8 16.0 3/4 2 1/4 4 1/2 | 4 3/4 | 1 1/2 | 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 | 13 1/2 3 3/8 2 5/8 7 1/2 10 5/8 1 3/8 48 PROJECT NO: HWY: COUNTY:

| 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 |

1 1/2 | 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 |

4 1/2 4 3/4 1 1/2 5 1/4 11 3/4 12 1/2 17 1/4 14 5/8

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN

2M

48

48

3/4

3/4

3/4

PLOT DATE: 18-MAR-2011 12:08

PLOT NAME :

7 1/2 10 5/8 1 7/8

PLOT BY: mscj9h

10 % 1 %

7 1/2

13 1/2 3 3/8 2 5/8 7 1/2 10 5/8 1 3/8

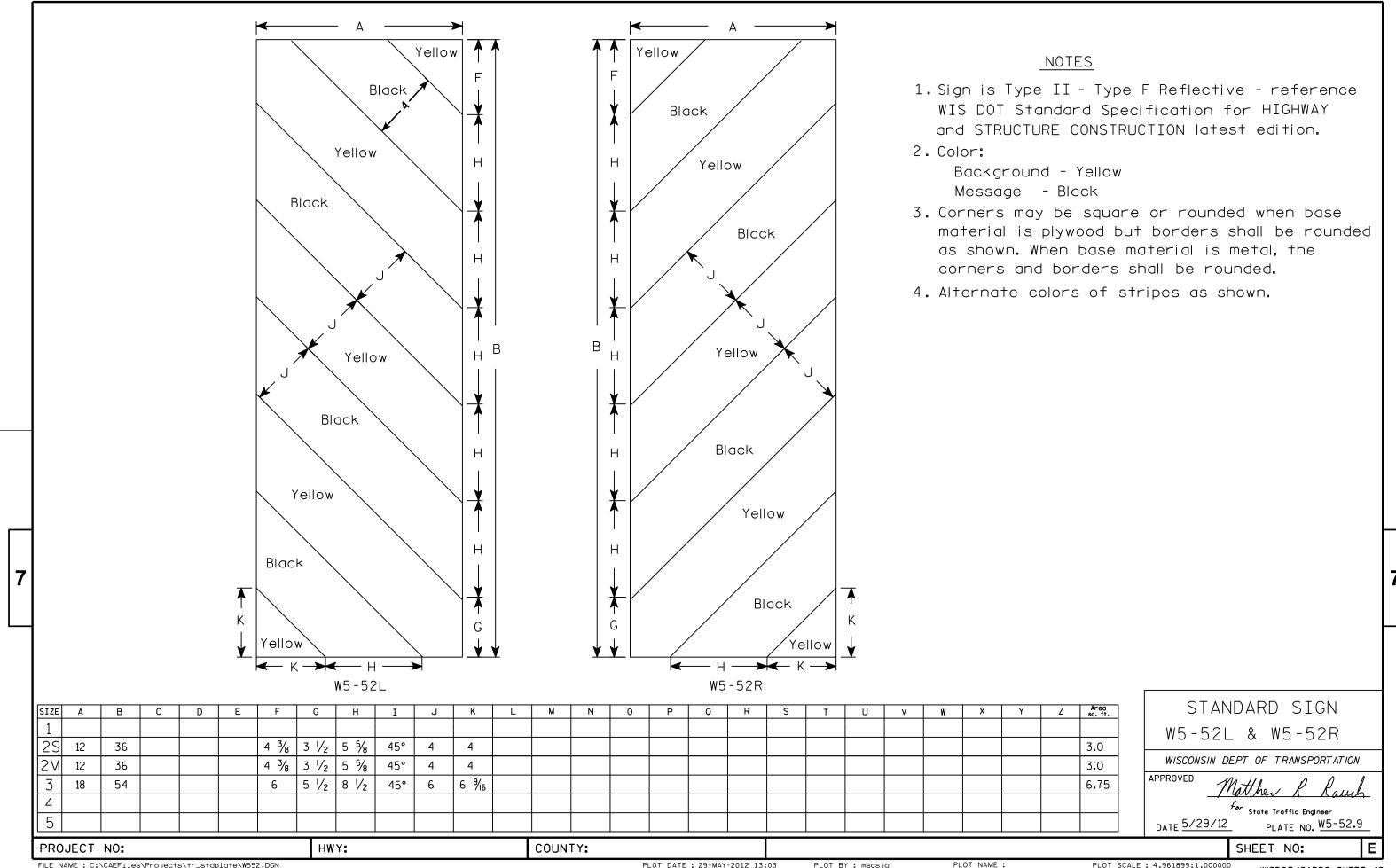
4 \(\frac{5}{8} \) 14 \(\frac{3}{8} \) 2 \(\frac{3}{8} \) 16.0

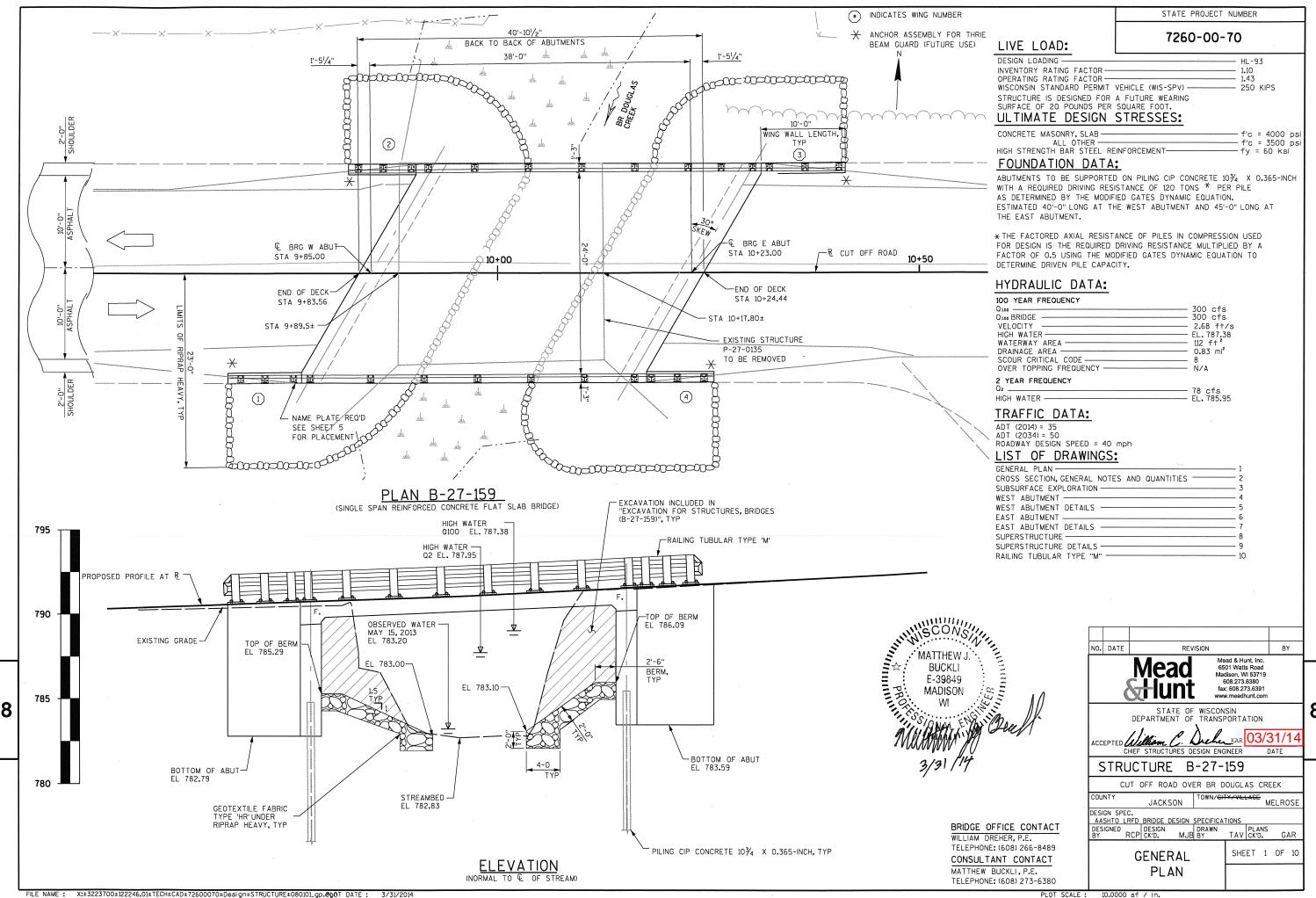
4 \\ 14 \\ 38 \ 2 \\ 38 \ 16.0

4 % | 14 % | 2 % | 16.0

PLOT SCALE: 9.931739:1.000000

WISDOT/CADDS SHEET 42





7260-00-70

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED

*ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF

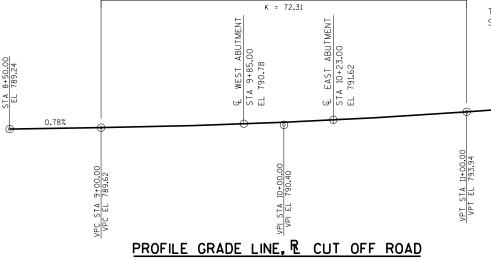
SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE FABRIC TYPE 'HR' TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

THE EXISTING GROUND LINE SHALL BE THE UPPER LIMIT FOR "EXCAVATION OF STRUCTURES, BRIDGES (B-27-0159)"

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

SIDES AND OUTSIDE 1'-O" ON BOTTOM OF CONCRETE SLAB DECK. SEE DETAIL ON SHEET 9.



- SUBGRADE

∠ PIPE UNDERDRAIN WRAPPED, 6-INCH. SLOPE 0.5% MIN

ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN

TO SUITABLE DRAINAGE.

AS DETAILED ON THIS SHEET.

* OSHA SLOPE.

STRUCTURE BACKFILL & PIPE UNDERDRAIN DETAIL

VCL = 200.00

(TYPICAL AT BOTH ABUTMENTS)

1.5 : 1 USED FOR STRUCTURAL

BACKFILL QUANTITY CALCULATIONS

STRUCTURE BACKFILL LIMITS

TO EXTEND BETWEEN

ABUTMENT WINGS

2" CLEAR UNLESS OTHERWISE NOTED.

1988 (NAVD88). THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS

AT THE BACKFACE OF ABUTMENT ALL EXCAVATED VOLUME NOT OCCUPIED BY THE NEW STRUCTURE

THE EXISTING STRUCTURE, TO BE REMOVED, IS A 28.3'LONG BY 19.8'CLEAR ROADWAY WIDTH. SINGLE SPAN CONCRETE DECK GIRDER BRIDGE (P-27-135).

ALL STATIONS AND ELEVATIONS ARE IN FEET.

PROTECTIVE SURFACE TREATMENT TO BE PLACED FULL WIDTH ON TOP SURFACE,

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK

SIGNIFIES THE BAR SIZE. 3.54%

1'-10" DECK THICKNESS

12'-0"

SECTION B-B

26'-6" OUT TO OUT OF STRUCTURE 24'-0"

CLEAR ROADWAY WIDTH

CROSS SECTION THRU ROADWAY

NOTE: ORIENT SHIELD SO SLOTS ARE VERTICAL.

∕ R CUT OFF ROAD

-POINT REFERRED TO

ON PROFILE

12'-0"

0.02%

RAILING TUBULAR-

ABUTMENT BODY-

TYPE 'M', TYP

^② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

② THE RODENT SHIELD 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 OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS. THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

BENCH MARKS ★

√ ¾" V-GROOVE, TYP.

SEE DETAIL ON SHEET 9.

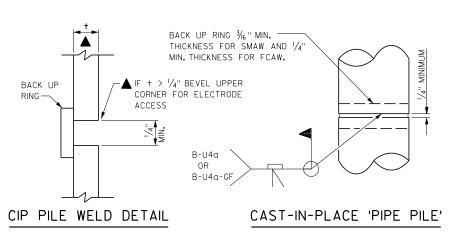
-¥4" OR 6" NOMINAL →

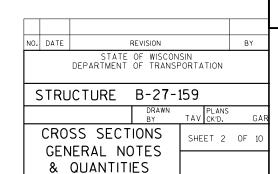
NO.	STATION	OFFSET	DESCRIPTION	ELEV.
100	10+15	9.8' RT	PAINTED CONCRETE RAILING SE CORNER OF BRIDGE	792.58
101	6+30	12.8' RT	3/4" REBAR, CP #1	789.33
102	14+14	10.6' RT	3/4" REBAR, CP #4	805.92

TOTAL ESTIMATED QUANTITIES

8

BID ITEM NO.	BID ITEMS	UNIT	W ABUT	E ABUT	SUPER	TOTALS
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS, STA 10+03.70	LS				1
206.1000	EXCAVATION FOR STRUCTURES, BRIDGES (B-27-159)	LS				1
210.0100	BACKFILL STRUCTURE	CY	80	80		160
502.0100	CONCRETE MASONRY BRIDGE	CY	30	31	79	140
502.3200	PROTECTIVE SURFACE TREATMENT	SY		-	147	147
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB	1840	1870		3710
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	1410	1440	14400	17250
513.4060	RAILING TUBULAR TYPE M (B-27-159)	LS				1
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	9	9		18
550.2106	PILING CIP CONCRETE 10 3/4 X 0.365-INCH	LF	200	225		425
606.0300	RIPRAP HEAVY	CY	60	65		125
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	25	25		50
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	44	44		88
645.0120	GEOTEXTILE FABRIC TYPE 'HR'	SY	130	130		260
	NON BID ITEMS					
	FILLER	SIZE				1/2" & 3/



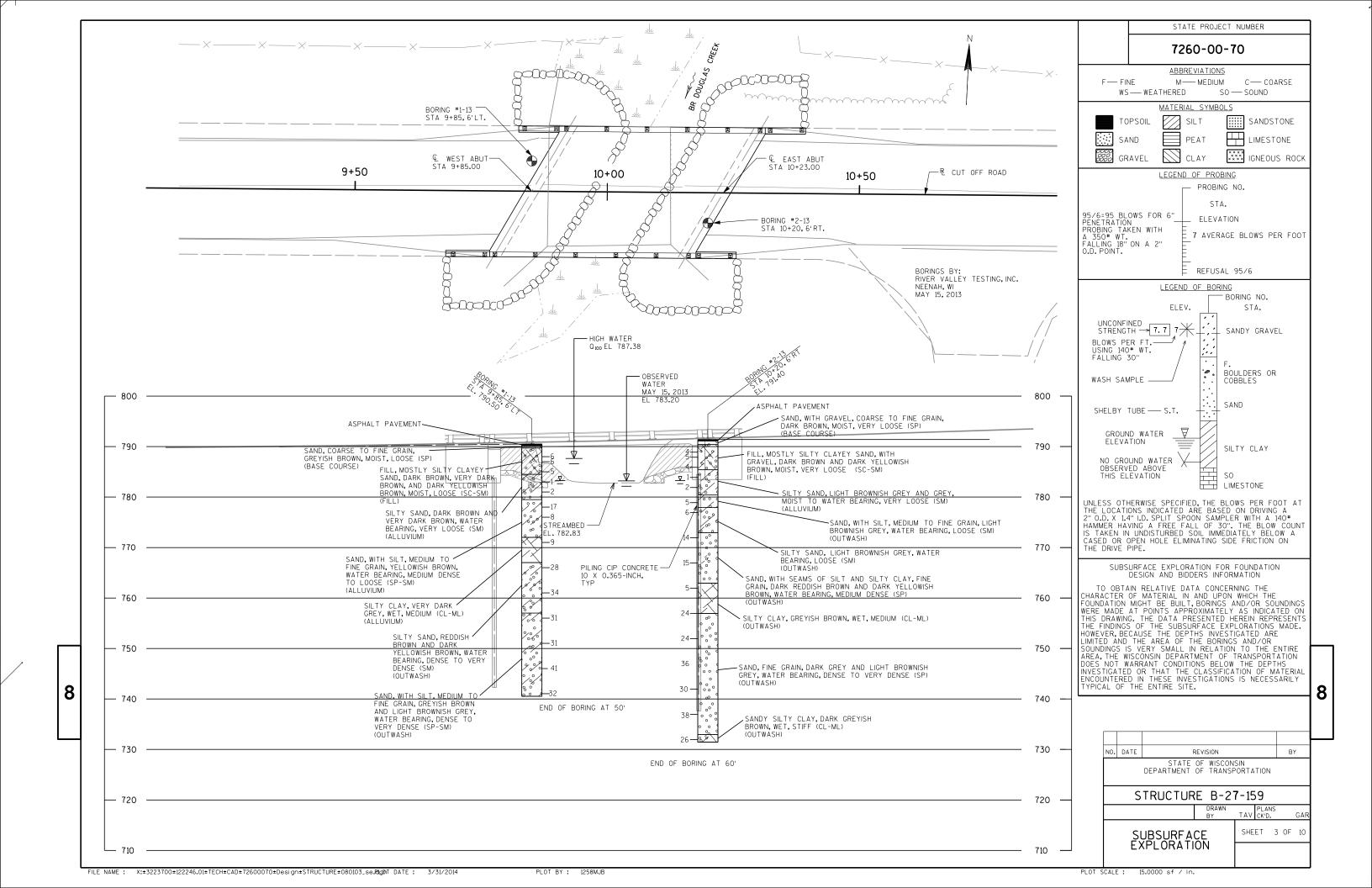


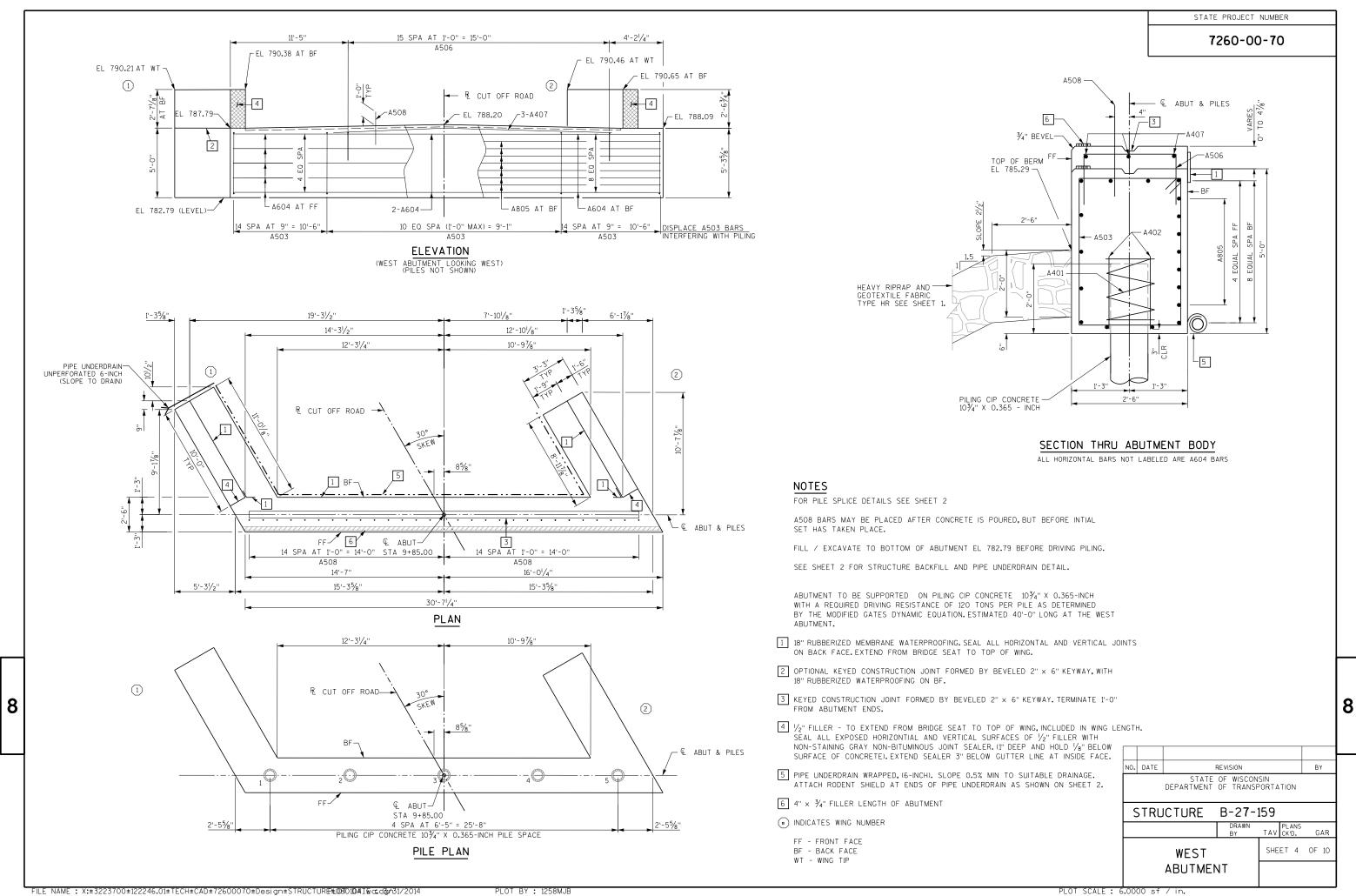
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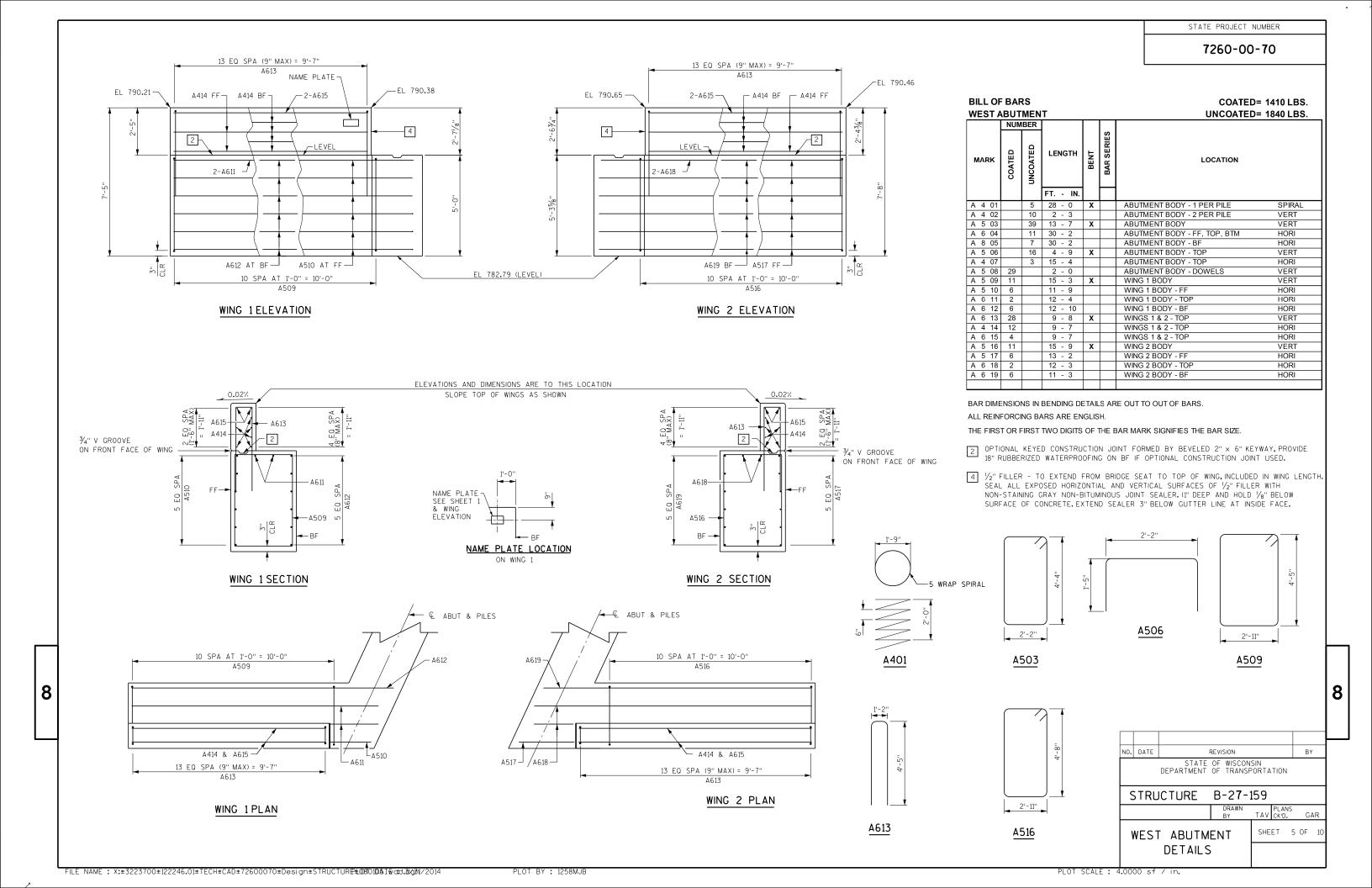
FILE NAME: X:±3223700±122246.01±TECH±CAD±72600070±Design±STRUCTUR**E±0801D&Tg**n:d**g**n31/2014

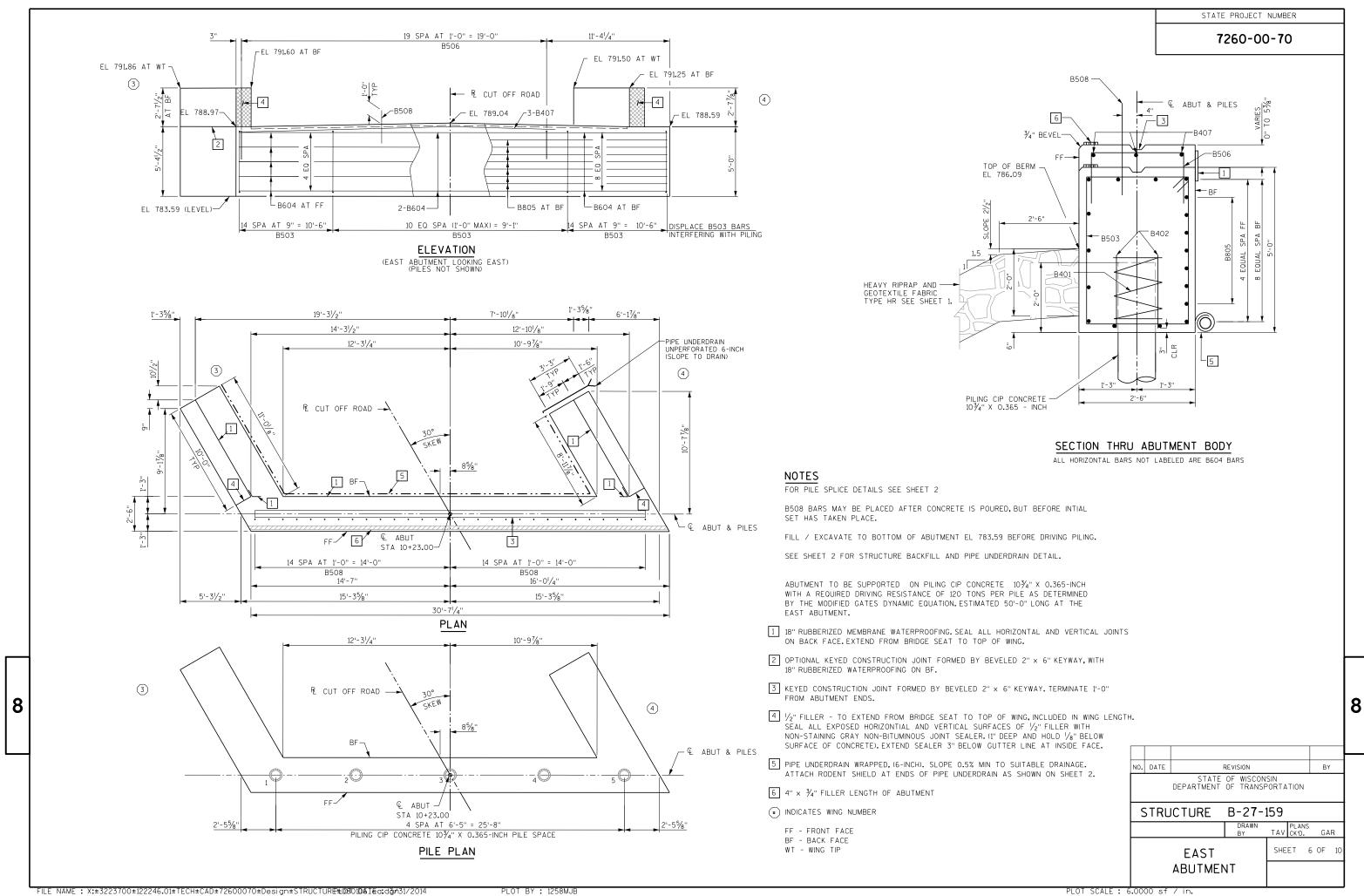
PLOT BY: 1258MJB

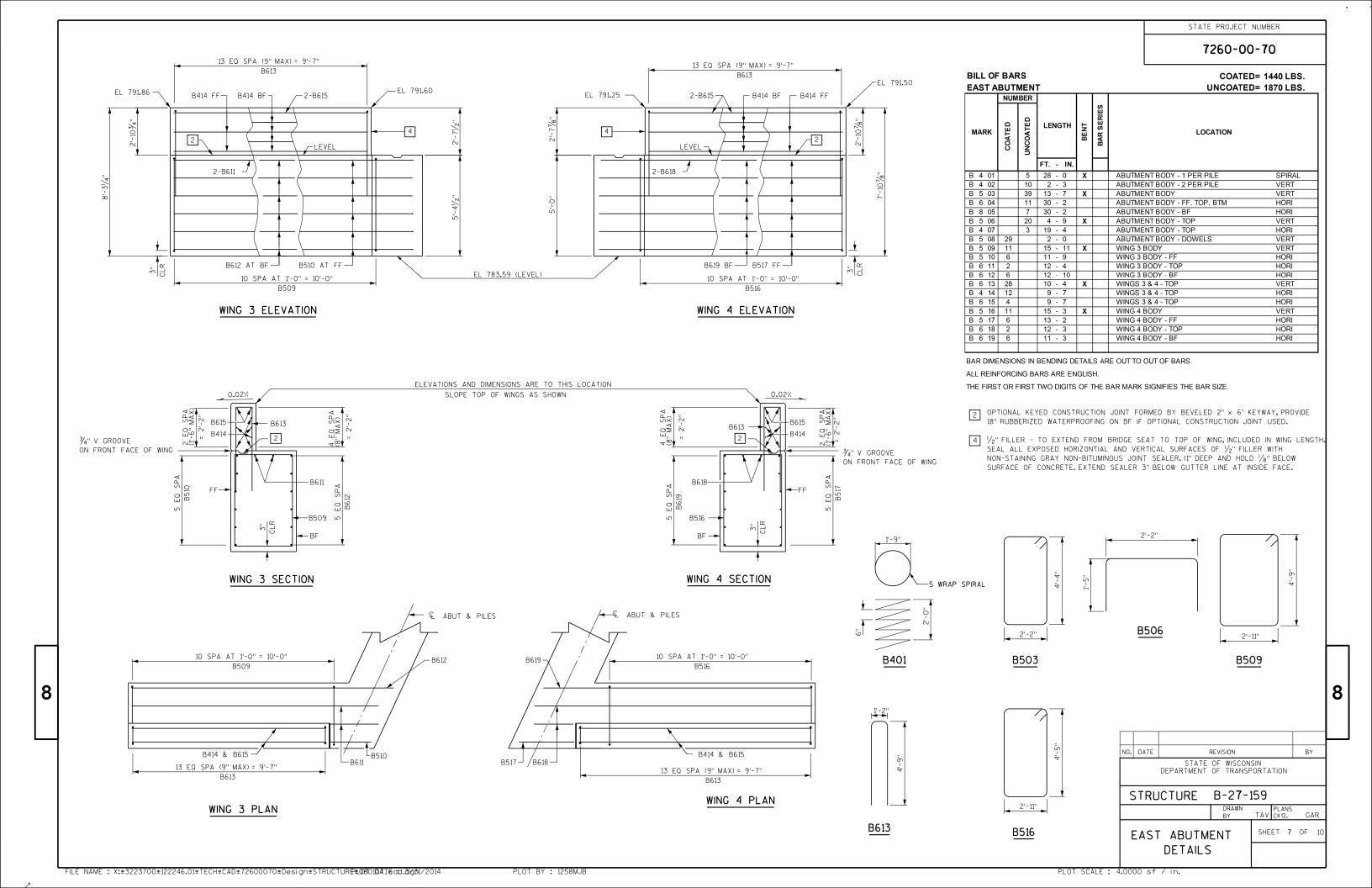
PLOT SCALE: 4.0000 sf / in.

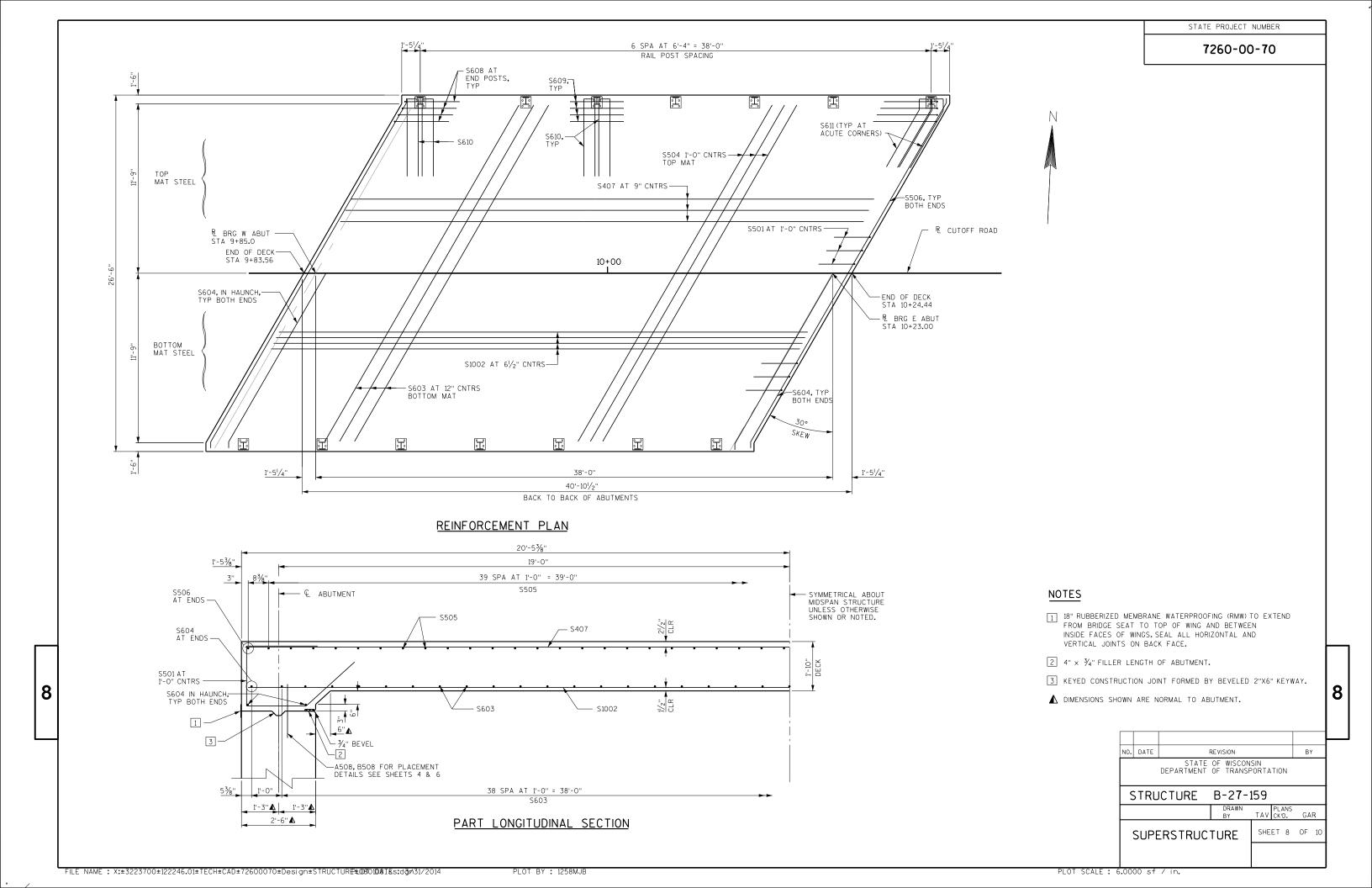






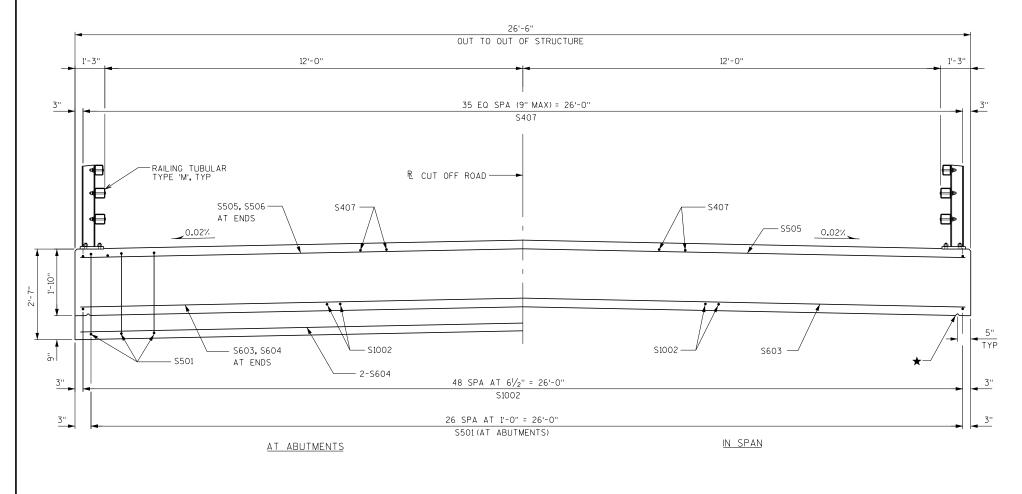






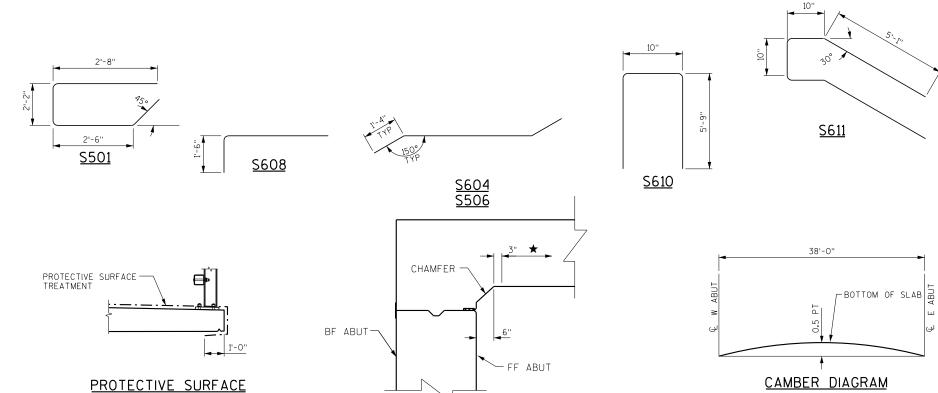
STATE PROJECT NUMBER

7260-00-70



CROSS SECTION THRU ROADWAY

(LOOKING EAST)



DRIP GROOVE DETAIL AT ABUTMENT

TREATMENT DETAIL

SPAN	CAMBER
(PT)	(IN)
€ W ABUT	0
0.1	3/8
0.2	5/8
0.3	⁷⁶ / ₈
0.4	1
0.5	11/8
0.6	1
0.7	7/8
0.8	5/8
0.9	3/8
Œ E ABUT	0

CAMBER SPAN AS SHOWN (USING VALUES IN TABLE)
TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE
CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE

FOR FORM SETTLEMENT.

BILL OF BARS SUPERSTRUCTURE

COATED= 14400 LBS. UNCOATED= 0 LBS.

					_	ONOCKIED	
NUM	BER				IES		
COATED	UNCOATED	LEN	IGTH	BENT	BAR SER	LOCATION	
		FT.	- IN.				
54		9	- 2	Х		SLAB - ABUTMENT - TIES	LONGIT
49		40	- 6			SLAB - BOTTOM	LONGIT
39		30	- 2			SLAB - BOTTOM	TRANS
6		29	- 9	Х		SLAB - BOTTOM AT ENDS & ABUT HAUNCH	TRANS
40		30	- 2			SLAB - TOP	TRANS
2		29	- 9	Х		SLAB - TOP AT ENDS	TRANS
36		40	- 6			SLAB - TOP	LONGIT
16		6	- 0	Х		RAILING ANCHORS AT CORNERS	LONGIT
40		6	- 0			RAILING ANCHORS	LONGIT
24		12	- 0	Х		RAILING ANCHORS	TRANS
4		12	- 0	Х		RAILING ANCHORS AT ACUTE CORNERS	TRANS
	54 49 39 6 40 2 36 16 40 24	NUMBER 034 49 39 6 40 2 36 16 40 24	PT. 54 9 49 40 39 30 6 29 40 30 2 29 36 40 16 6 6 6 29 40 6 24 12	NUMBER QH OO FT IN. 54	NUMBER LENGTH H H H H H H H H H	NUMBER Q	NUMBER LENGTH H W W W W W W W W W W W W W W W W W

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

ALL REINFORCING BARS ARE ENGLISH.

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

EDGE OF DECK ELEVATIONS

		NORTH EDGE			CENTERLINE/CROWN			SOUTH EDGE			
SPA	AN PT.	STATION		ELEVATION	STATION		ELEVATION	STAT	ION	ELEVATION	
W. /	ABUT.	9 +	92.65	790.67	9 + 85.0	00	790.78	9 +	77.35	790.37	
(0.1	9 +	96.45	790.75	9 + 88.8	80	790.86	9 +	81.15	790.44	
(0.2	10 +	00.25	790.83	9 + 92.0	60	790.93	9 +	84.95	790.52	
(0.3	10 +	04.05	790.91	9 + 96.4	40	791.01	9 +	88.75	790.59	
(0.4	10 +	07.85	791.00	10 + 00.2	20	791.09	9 +	92.55	790.67	
(0.5	10 +	11.65	791.09	10 + 04.0	00	791.18	9 +	96.35	790.75	
(0.6	10 +	15.45	791.18	10 + 07.8	80	791.26	10 +	00.15	790.83	
(0.7	10 +	19.25	791.27	10 + 11.0	60	791.35	10 +	03.95	790.91	
(8.0	10 +	23.05	791.36	10 + 15.4	40	791.44	10 +	07.75	791.00	
(0.9	10 +	26.85	791.45	10 + 19.2	20	791.53	10 +	11.55	791.08	
E. <i>F</i>	ABUT.	10 +	30.65	791.55	10 + 23.0	00	791.62	10 +	15.35	791.17	

NOTES
ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

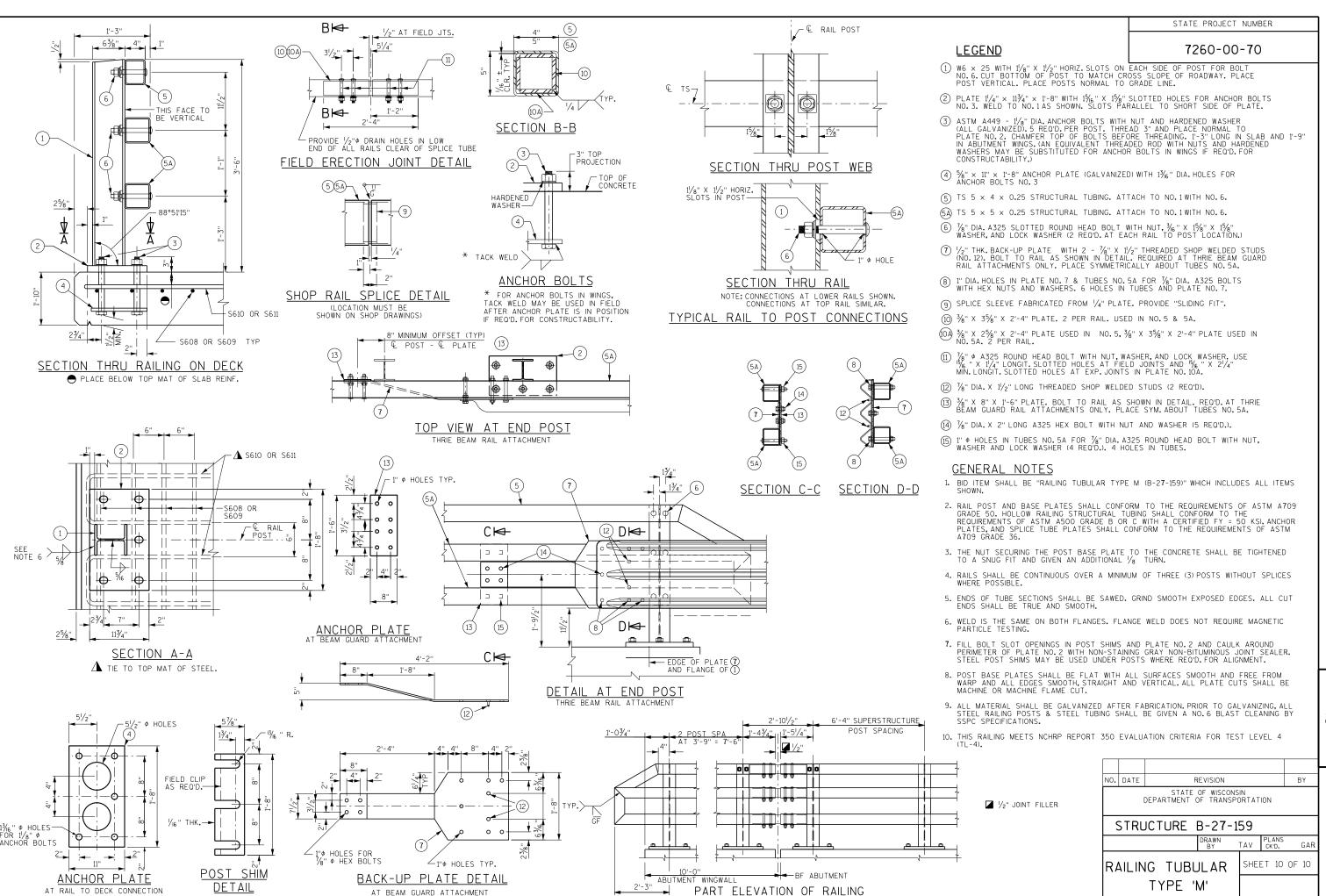
TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-O" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY

 \bigstar $\ensuremath{\mathcal{Y}}_4$ "V-groove terminate 3" chamfer at abutments, typ. see detail this sheet.

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE \P OF ABUTMENTS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG EDGE OF DECK AND AT \P .

NO.	DATE	DATE REVISION							
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION									
STRUCTURE B-27-159									
			DRAWN BY	TAV	PLANS CK'D.		GAR		
Sl	JPEF	RSTRUC'	SHEET 9 OF 10						
	ĺ								

8



AT BEAM GUARD ATTACHMENT

8

	AREA (SF)			Incremental Vol	(CY) (Unadjusted)		Cumulative Vol (CY)		
					Salvaged/Unusable		Cut		
STATION	Cut	Salvaged/Unusable Pavement Material	Fill	Cut Note 1	Pavement Material Note 2	Fill Note 3	1.00 Note 1	Expanded Fill 1.25	Mass Ordinate
8+50	21	5	0	0	0	0	0	0	0
9+00	30	5	3	47	6	3	47	4	38
9+50	29	5	8	54	5	10	102	17	74
9+84	30	5	0	37	6	5	139	23	99
9+85	0	0	0	1	0	0	139	23	100
10+23	0	0	0	0	0	0	139	23	100
10+24	35	5	0	1	3	0	140	23	97
10+50	43	5	12	37	8	6	177	30	120
10+75	52	5	0	44	10	5	221	37	147
11+00	30	5	1	38	6	0	259	37	179
11+50	21	5	0	47	4	0	306	38	222
		Co	lumn Total	306	47	30			!

Notes:

1 - Cut

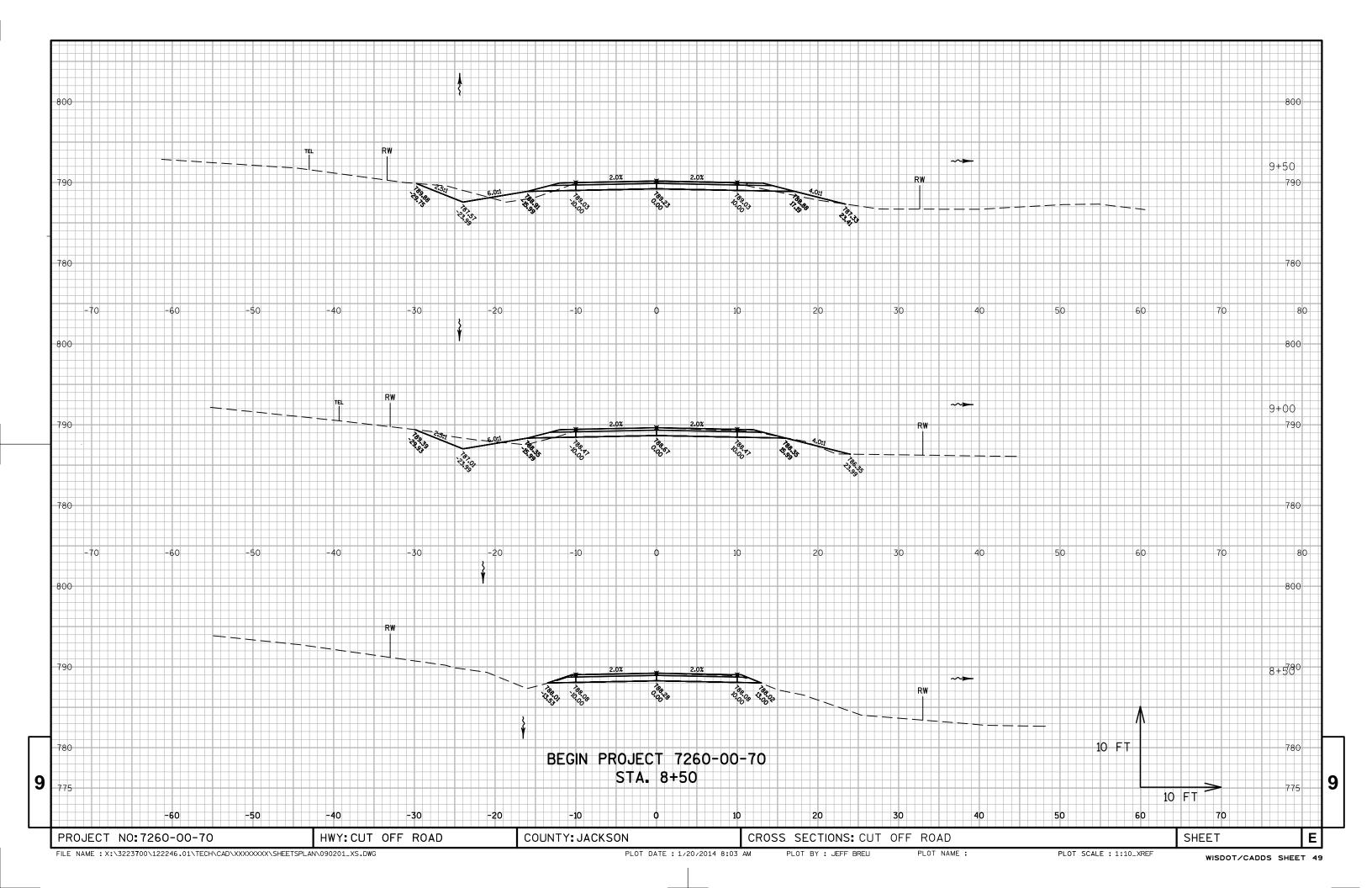
2 - Salvaged/Unusable Pavement Material 3 - Fill Cut includes Salvaged/Unusable Pavement Material This does not show up in cross sections Does not include Unusable Pavement volume

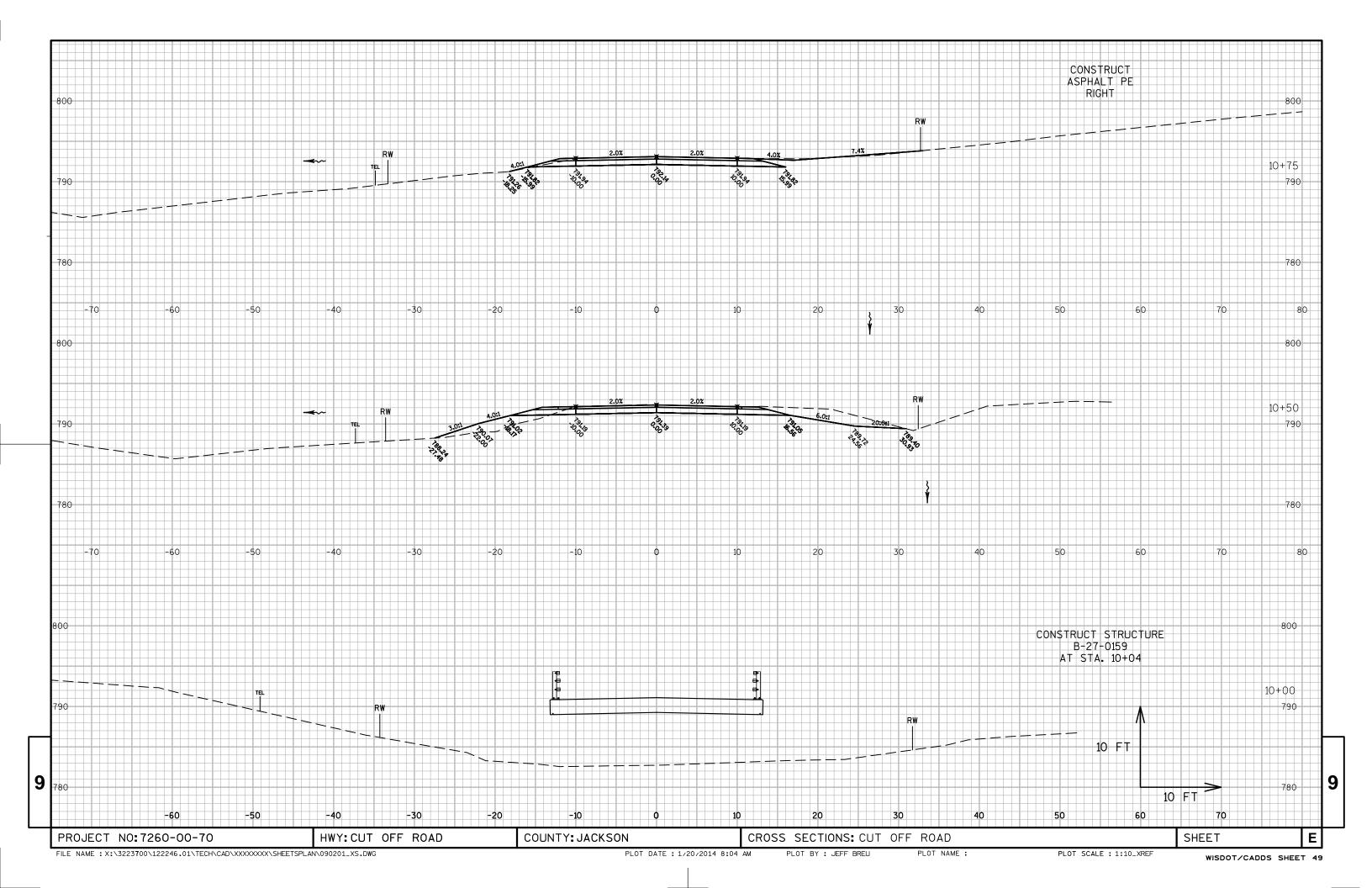
Does not include Unusable Pavement volui

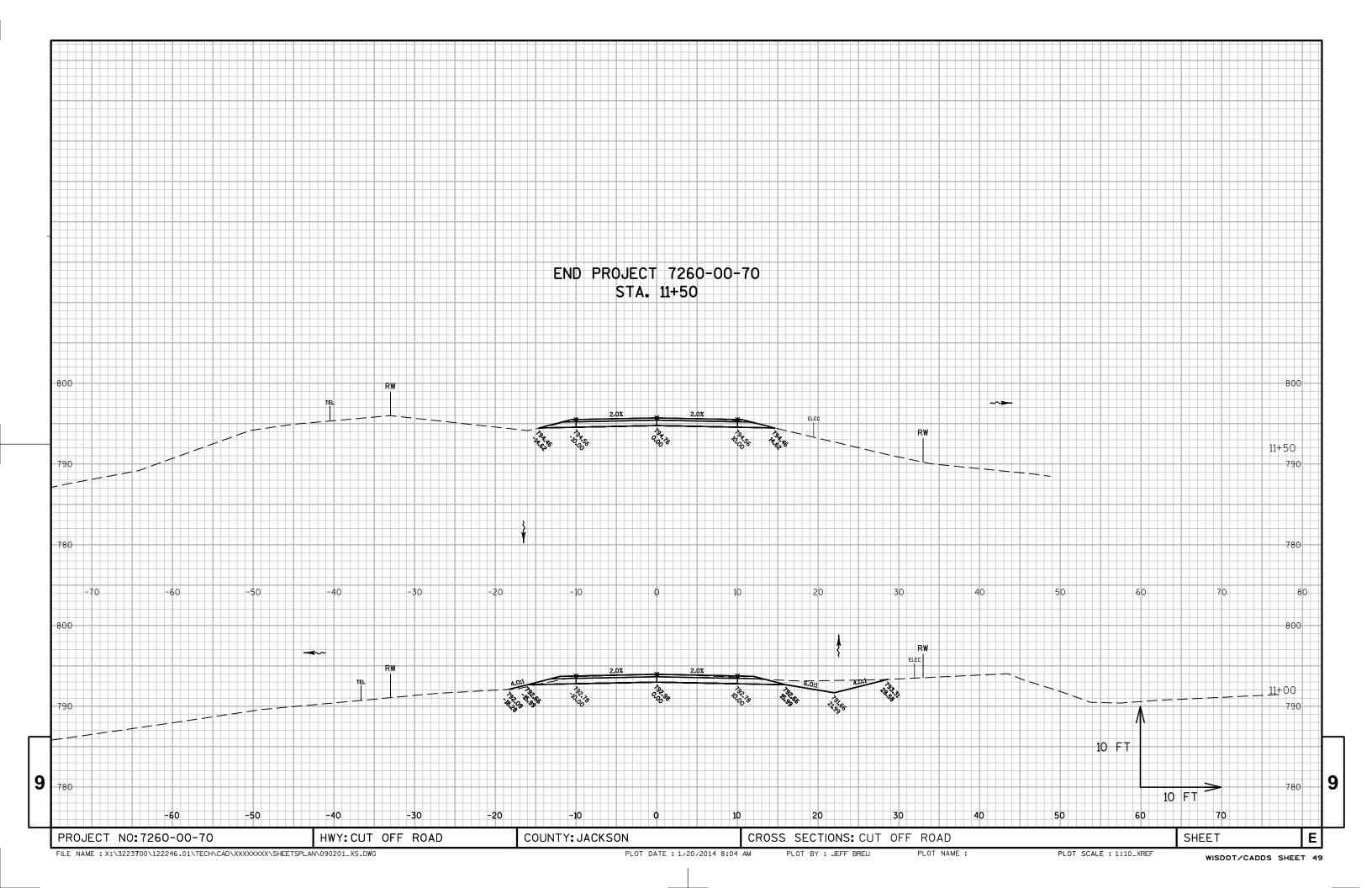
9

PROJECT NO: 7260-00-70 HWY: CUT OFF ROAD COUNTY: JACKSON EARTHWORK SUMMARY SHEET NO: E

FILE NE : PLOT DATE : _____ PLOT BY : _____ PLOT NAME : ____ ORG DATE : ORIGINATOR : PLOT SCALE :







Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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