Winois Department of Transportation

Luminaire Performance Table

جانيت
T0 55 55 55
(TABLE)

P	ro	je	ct

Date	Contract Num.	Section Nun	nber	County	
04/28/21				Peoria	
Marked Route N	umber		Municipality		
I-474 at US -	24				

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface Class	cation	Q-Zero Value
14	1		R3		07

Structure Mounting H

		INU	HIDEI OI L	ummanes	
Height Arm	Length Set-	Back (Hi	ghmast &	Sign Lighting	Only)
0.5	FT. 30	FT. N/	Α		

Luminaire

45

Description		I.E.S. Later	ral Distribution	I.E.S.	Ver. Distribution
Roadway, Output designation	on J	Type II		Med	ium
Total Light Loss Factor (LLF)	B-U-G Rating		Shields		Dimming Protocol
0.7	U = 0		N/A		0-10V

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
300	One Sided

Uniformity Ratio, EAVE/EMIN

Performance

Average Illuminance, EAVE (fc)

.8	3.0		
Average Luminance, LAVE (cd/m²)	Uniformity Ratio, Lave/Lmin	Uniformity Ratio, LMAX/LMIN	Veiling Luminapo Ratio, Lv/Lave
N/A	N/A	N/A	0.4

Light Tresspass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, EH	Max. Vertical Illuminance at ROW, Ev
N/A	N/A	N/A

Notes

- 1. Set-Back is from Edge of Pavement (white line) except for sign luminaires then it is vertical and horizontal distance from the sign to the luminaire
- 2. Lighting calculations shall be performed with all luminaires orient oward and perpendicular to the roadway.
- 3. Total Light Loss Factor (LLF) = the product of "Lumen Mainterance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
- 4. Performance requirements shall be the minimum are ptable standards of photometric performance for the luminaire, based on the given conditions listed above.

Initial lumens of the proposed luminair may vary from the values specified in the table given in Article 1067.06 of BDE Special Provision of Luminair, LED

Performance criteria shall be led to one significant digit.

Pri a 04/28/21 BDE 5630 (04/10/19)



Luminaire Performance Table

Project

Date	Contract Number	Section Number	County	
)4/28/21			Peoria	
/larked Route N	Number	Municipality		
-474 at US -	24			

Roadway

Lane V	Vidth # c	f Lanes M	edian Width	I.E.S. Surface	e Classifi	on Q-Z	ero Value
12	3			R3		.07	

Structure

Number Luminaires

Mounting Height	Arm Length	Set-Back	(Hi	mast & Sign Lighting Only)
45	0.5 FT.	15 FT	N/A	

Luminaire

Description		I.E.S. Lateral Distribution I.E		I.E.S. Vertical Distribution	
Roadway, Output aesignation J		Type II		Medium	
Total Light La Factor (LLF)	B-U-G Rating	S	hields	D	imming Protocol
0.7	U = 0	N	I/A	0	-10V

∟ayout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
250	One Sided

Performance

A rage Illuminance, EAVE (fc)	Uniformity Ratio, EAVE/EMIN		
N/A	N/A		
Average Lumin ace, Lave (cd/m²) L	Uniformity Ratio, LAVE/LMIN	Uniformity Ratio, LMAX/LMIN	Veiling Luminance Ratio, Lv/Lave
0.6	3.5	6.0	0.3

Light Tresspass

Distance to ROW (behind pole)	Max Horizontal Illuminance at ROW, EH	Max. Vertical Illuminance at ROW, Ev
N/A	N/A	N/A

Notes

- 1. Set-Back is from Edge of Pavement (white Indexcept for sign luminaires when it is vertical and horizontal distance from the sign to the luminaire
- 2. Lighting calculations shall be performed with all luminess oriented toward and perpendicular to the roadway.
- 3. Total Light Loss Factor (LLF) = the product of "Lumen Man senance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
- 4. Performance requirements shall be the minimum acceptable stand, as of photometric performance for the luminaire, based on the given conditions listed above.

Initial lumens of the proposed luminaire may vary from the values specific in the table given in Article 1067.06 of BDE Special Provision of Luminaire, LED

Performance criteria shall be held to one significant digit.

Printed 04/28/21 BDE 5630 (04. 19)

HIGHWAY LIGHTING SHEET 23 OF 25 NOT TO SCALE



Luminaire Performance Table



Project

Section Number Date Contract Number County 02/23/21 68C45 (1)RS-3;(2,3,4)RS-2 Peoria Marked Route Number Municipality

Roadway

I-474 & US 24

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classificato	Q-Zero Value
12 ft.	2	N/A	R3	U. 7

Structure

N/A

Number of Luminaires Set-Back (Highmast & Sign Lighting Only) Mounting Height Arm Length N/A N/A

Luminaire

Description		I.E.S. Lateral	Distribution	I.E.S	. Vertical 🛌 tribution	
LED, SIGN LIGHTING, OL	TPUT DESIG. E	TYPE III		MED	DIUM	
Total Light Loss Factor (LLF)	B-U-G Rating	S	hields		Dimming Protocol	
0.684	U=0	N	I/A		0-10V	

oria County

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
5.0 FT.	N/A

Uniformity Ratio, EAVE/EMIN

Performance

Average Illuminance, EAVE (fc)

Average Luminance, Lave (cd/m²)	Uniformity Ratio, LAVE/LMIN	Uniformity Ratio, LMAX/LMIN	Veiling Luminapo Ratio, Lv/LAVE
0.6	3.5	6.0	0.30

Light Tresspass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, Ен	Max. Vertical Illuminance at ROW, Ev
N/A	N/A	N/A

Notes

- 1. Set-Back is from Edge of Pavement (white line) except for sign luminaires en it is vertical and horizontal distance from the sign
- 2. Lighting calculations shall be performed with all luminaires orient coward and perpendicular to the roadway.
- 3. Total Light Loss Factor (LLF) = the product of "Lumen Mainter ance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
- 4. Performance requirements shall be the minimum approximation ptable standards of photometric performance for the luminaire, based on the given conditions listed above.

BDE 5630 (04/10/19)



Luminaire Performance Table



Project

Date	Contract Number	Section Number	County	
)2/23/21	68C45	72-(1)RS-3;(2,3,4)RS-2	Peoria	
/larked Route N	lumber	Municipality		

Peoria County

Roadway

US 24

Lane Width	# of Lanes	Median Width	I.E.S. Surface	Classifi	on Q-Zero Value	
12 ft.	2	N/A	R3		0.07	

Structure

Mounting Height	Arm Length	Set-Back	(Hi	mast & Sign Lighting Only
N/A	N/A	N/A	4	

Luminaire

Description	I.E.S. Late	eral Distribution I.E.	S. Vertical Distribution
LED, SIGN LIGHTING, OUTP	PUT DESIG. E TYPE III	ME	DIUM
Total Light Language Factor (LLF) B	B-U-G Rating	Shields	Dimming Protocol
0.684	J=0	N/A	0-10V

ayout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)	
5.0 FT.	N/A	

erformance

Aver te Illuminance, EAVE (fc)	Uniformity Ratio, EAVE/EMIN	i .	
Average Luminan L _{AVE} (cd/m ²	Uniformity Ratio, Lave/Lmin	Uniformity Ratio, L _{MAX} /L _{MIN}	Veiling Luminance Ratio, Lv/Lave
0.6	3.5	6.0	0.30

Light Tresspass

Distance to ROW (behind pole)	Max. Prizontal Illuminance at I	ROW, EH Max. Vertical Illuminance at ROW, I	Ev
N/A	N/A	N/A	

Notes

- 1. Set-Back is from Edge of Pavement (white lir cept for sign luminaires when it is vertical and horizontal distance from the sign
- 2. Lighting calculations shall be performed with all lumina. oriented toward and perpendicular to the roadway.
- 3. Total Light Loss Factor (LLF) = the product of "Lumen Main pance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
- 4. Performance requirements shall be the minimum acceptable stands of photometric performance for the luminaire, based on the given conditions listed above.

Printed 02/23/21 BDE 5630 (0

> HIGHWAY LIGHTING SHEET 24 OF 25 NOT TO SCALE

> > 240 202



Luminaire Performance Table



Project

Date	Contract Number	Section	n Number	County	
02/23/21	68C45	⁻ √2-(1))RS-3;(2,3,4)RS-2	Peoria	
Marked Route Number			Municipality		

Roadway

MAXWELL RD.

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classifican	Q-Zero Value
12 ft.	2	N/A	R3	U. ⁷

Structure

Number of Luminaires Set-Back (Highmast & Sign Lighting Only) Mounting Height Arm Length N/A N/A

Luminaire

N/A

Description		I.E.S. Lateral Distribution		I.E.S. Vertical L tribution	
LED, SIGN LIGHTING, OU	JTPUT DESIG. E	TYPE III	ME	DIUM	
Total Light Loss Factor (LLF)	B-U-G Rating	Shields		Dimming Protocol	
0.684	U=0	N/A		0-10V	

oria County

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
N/A	N/A

Uniformity Ratio, EAVE/EMIN

Performance

Average Illuminance, EAVE (fc)

Average Luminance, L _{AVE} (cd/m ²)	Uniformity Ratio, LAVE/LMIN	Uniformity Ratio, LMAX/LMIN	Veiling Lumince Ratio, Lv/Lave
0.6	3.5	6.0	0.30

Light Tresspass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, Ен	Max. Vertical Winninance at ROW, Ev	
N/A	N/A	N/A	

Notes

- 1. Set-Back is from Edge of Pavement (white line) except for sign luminair when it is vertical and horizontal distance from the sign
- 2. Lighting calculations shall be performed with all luminaires original d toward and perpendicular to the roadway.
- 3. Total Light Loss Factor (LLF) = the product of "Lumen Major" nance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
- 4. Performance requirements shall be the minimum eptable standards of photometric performance for the luminaire, based on the given conditions listed above.

BDE 5630 (04/10/19)



Luminaire Performance Table



		ct

Date	Contract Number	Section Number	County	
02/23/21	68C45	72-(1)RS-3;(2,3,4)RS-2	Peoria	
Marked Route N	lumber	Municipality		
AIRPORT RE	AIRPORT RD.			

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface C	sification Q-Zero Value
12 ft.	2	N/A	R3	0.07

Structure

			per of Luminaires
Mounting Height	Arm Length	Set-Back	Highmast & Sign Lighting Only)
N/A	N/A	N/A	3

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution
LED, SIGN LEATING, OUTPUT DESIG. E	TYPE III	MEDIUM
Total Light coss Factor (LLF) B-U-G Rating	Shields	Dimming Protocol
0.634 U=0	N/A	0-10V

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
5.0 FT.	N/A

erformance

AVER THUITHHAILCE, LAVE (IC)	Officially Ratio, Lave/LMIN		
Average Luminan Lave (cd/m²)	Uniformity Ratio, Lave/Lmin	Uniformity Ratio, LMAX/LMIN	Veiling Luminance Ratio, L _V /L _{AVE}
0.6	3.5	6.0	0.30

Light Tresspass

Distance to ROW (behind pole)	Max. rizontal Illuminance at ROW, En	Max. Vertical Illuminance at ROW, Ev
N/A	N/A	N/A

Notes

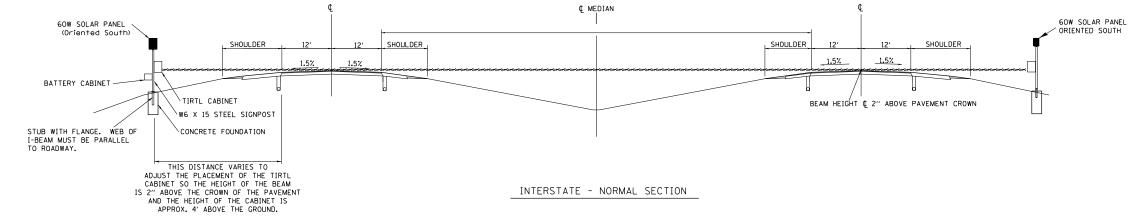
- 1. Set-Back is from Edge of Pavement (white line cept for sign luminaires when it is vertical and horizontal distance from the sign
- 2. Lighting calculations shall be performed with all luminal. oriented toward and perpendicular to the roadway.

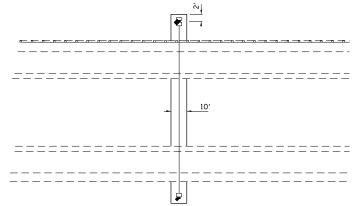
Uniformity Patio Eug/Eug

- 3. Total Light Loss Factor (LLF) = the product of "Lumen Main pance" (LLD) = 0.9, "Dirt Depreciation" (LDD) = 0.8, and "Equipment Factors" (EF) = 0.95.
- 4. Performance requirements shall be the minimum acceptable standa of photometric performance for the luminaire, based on the given conditions listed above.

Printed 02/23/21 BDE 5630 (04

> HIGHWAY LIGHTING SHEET 25 OF 25 NOT TO CALE





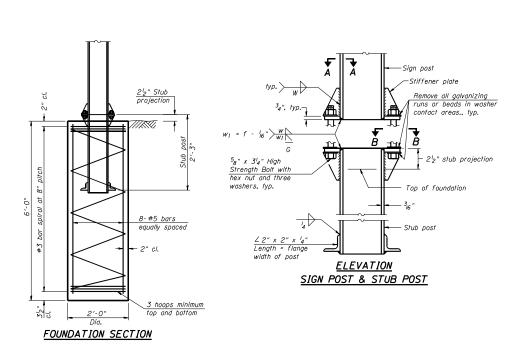
Weed Barrier - PCC concrete shal be placed as shown 8' to 10' wide and 4" thick as per the special provision

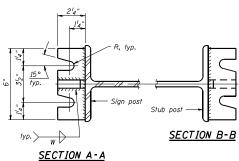
NOTES:

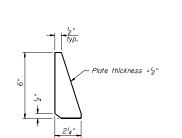
- SYSTEM CONSISTS OF TWO W6 X 15 I-BEAM SIGNPOSTS WITH CONCRETE FOUNDATION AND A FLANGE WITH BREAKAWAY BOLTS
- THE I-BEAMS ARE 12' LONG AND DRILLED AS PER THE I-BEAM DETAIL TO ACCOMODATE A PIPE TO ALLOW THE MOUNTING OF THE SOLAR PANEL.
- 3. THE WEB OF THE I-BEAM IS TO BE PLACED PARALLEL TO THE LANES.
- 4. THE TWO POSTS MUST BE PLACED DIRECTLY ACROSS FROM EACH OTHER AND PERPENDICULAR TO THE LANES.
- 5. TWO POSTS ARE REQUIRED LOCATED AS PER THE ENGINEER AND DRAWING.
- 6. THE CABINETS ARE ATTACHED TO THE I-BEAM USING 8" GALVANIZED .I-BOLTS.
- 7. THE BOTTOM OF THE CABINET HEIGHT MUST BE NO LOWER THAN 4' ABOVE THE GROUND AND BE ABLE TO VIEW ACROSS ALL LANES AT THE CROWN OF THE PAVEMENT.
- 8. THE IDOT OFFICE OF PLANNING AND PROGRAMMING DATA MANAGE-MENT LAB RICH MARX (217-782-2065) MUST BE NOTIFIED TWO WEEKS PRIOR TO THE LAYOUT AND MUST BE PRESENT DURING THE LAYOUT AND PLACEMENT OF THE POST FOUNDATIONS.

TIRTL TRAFFIC COUNTER SCHEDULE OF QUANTITIES (FOR INFORMATION ONLY)

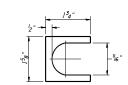
CODE NUMBER	ITEM	UNIT	QUANTITY
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	520
73400100	CONCRETE FOUNDATIONS	CU YD	1.4
X0323388	TRAFFIC COUNTER SYSTEM (INCLUDES BELOW)	EACH	1
	TIRTL TRAFFIC DATA COLLECTION SYSTEM INCLUDES:		
	Sierra Wireless Modem RV-50	EACH	1
	Panorama Low Profile LTE MiMo LGAM-BC3G-26-3SP Antenna	EACH	1
	TIRTL CABINET 15" X 27" X 16"	EACH	2
	BATTERY CABINET 16.5" X 16" X 11.5" BBA1M w/ #2 Police Lock	EACH	1
	SOLAR PANEL 60 W 12 VDC with Bracket and junction box	EACH	2
	TIRTL TRAFFIC COUNTER	EACH	1
	SUNSAVER SOLAR CHARGE REGULATOR 10 AMP 12 VDC	EACH	2
	BATTERY - 33 AH ABSORBED ELECTROLYTE 8" X 5.5" X 7" (DEEP CYCLE	EACH	1
	BATTERY -104AH ABSORBED ELECTROLYTE 10" X 6" X 8" (DEEP CYCLE	EACH	1







STIFFENER PLATE DETAIL



SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

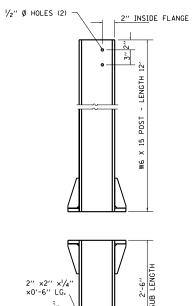
GENERAL NOTES

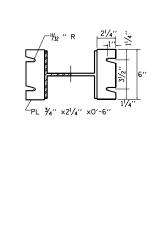
Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 72.7.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign. DESIGN STRESSES:

Structural steel - 20,000 p.s.i. Reinforcing steel - 20,000 p.s.i. Concrete - 1,400 p.s.i. Footing soil pressure - 2,000 p.s.f.

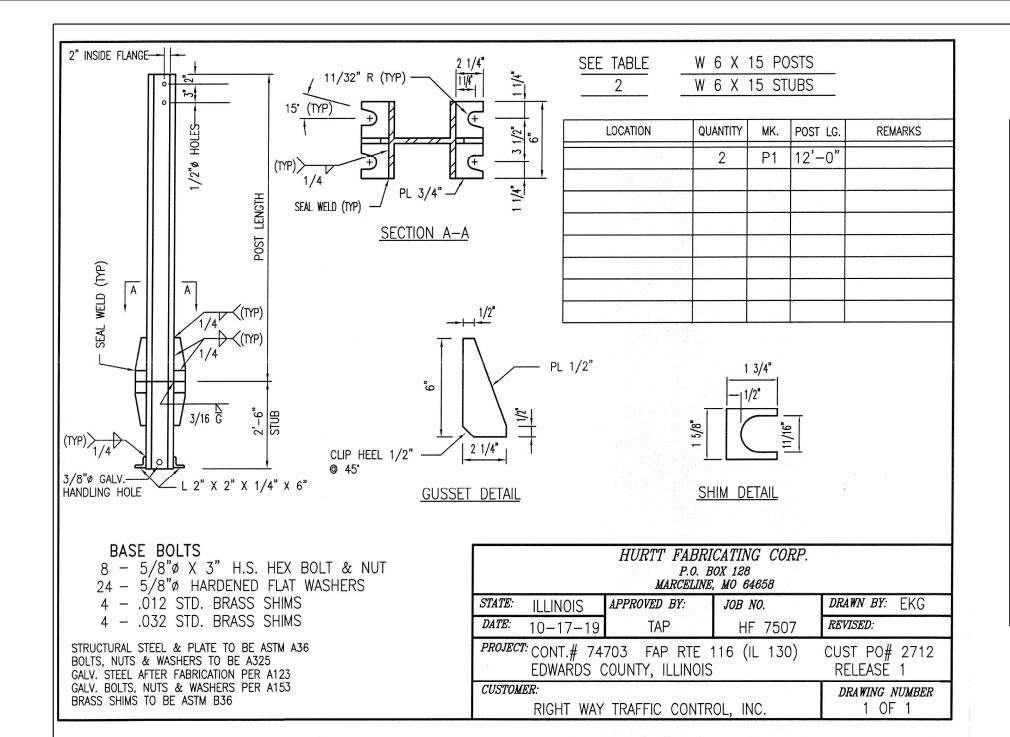
After fabrication, the post and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.





BREAK-AWAY WIDE FLANGE STEEL POST DETAILS

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -		TRAFFIC COUNTER SYSTEM				F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
\$FILEL\$		DRAWN -	REVISED -	STATE OF ILLINOIS	THAITIC COONTEN SISTEM		474	72[1RS-3;(2-4)RS-2]	PEORIA	240	203A				
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRACT	NO. 6	BC45
\$MODELNAME\$	PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. A	D PROJECT						



REVISED

REVISED REVISED

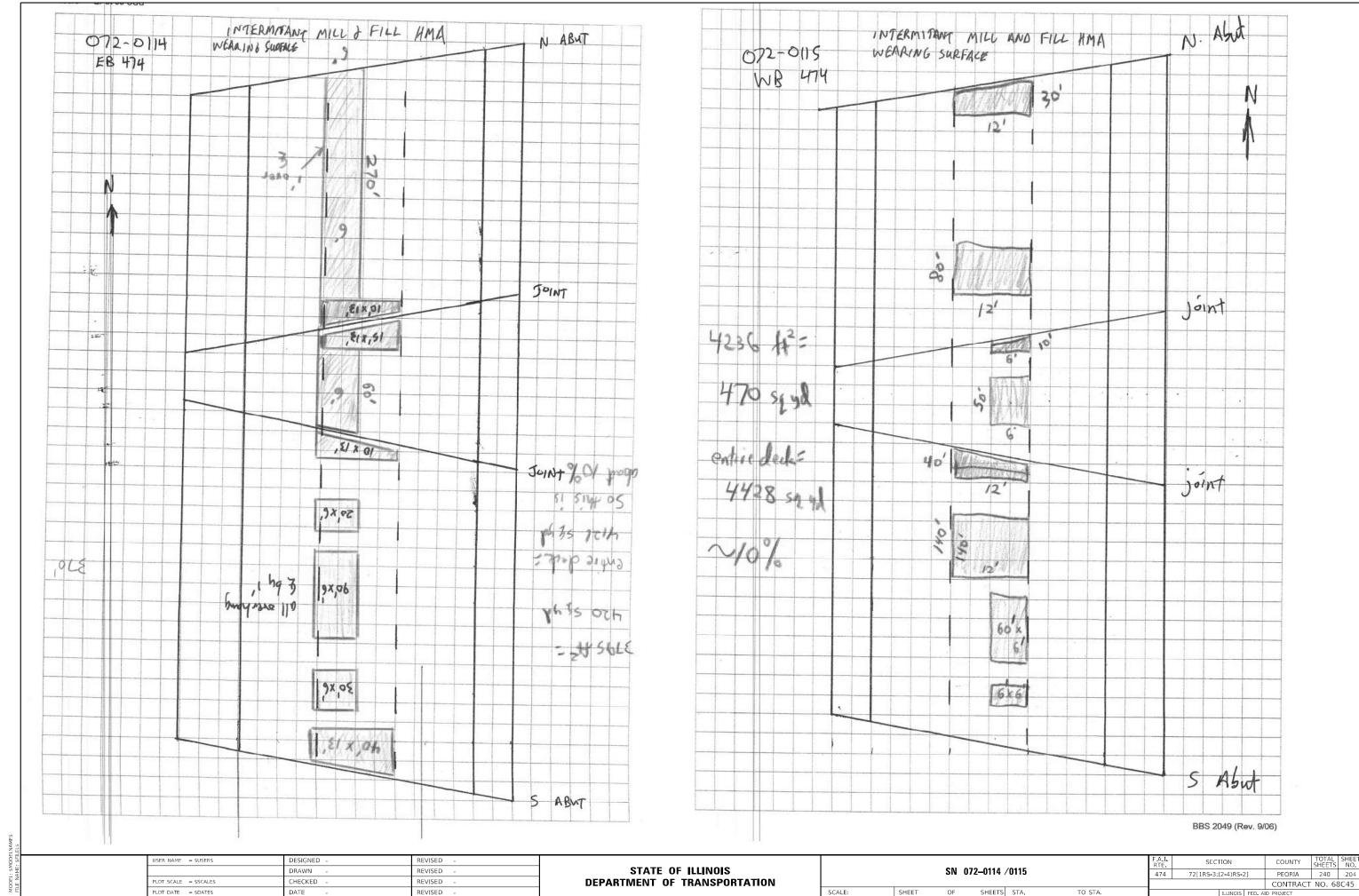
POSSIBLE SOURCES for SPECIFIED ITEMS - TIRTL

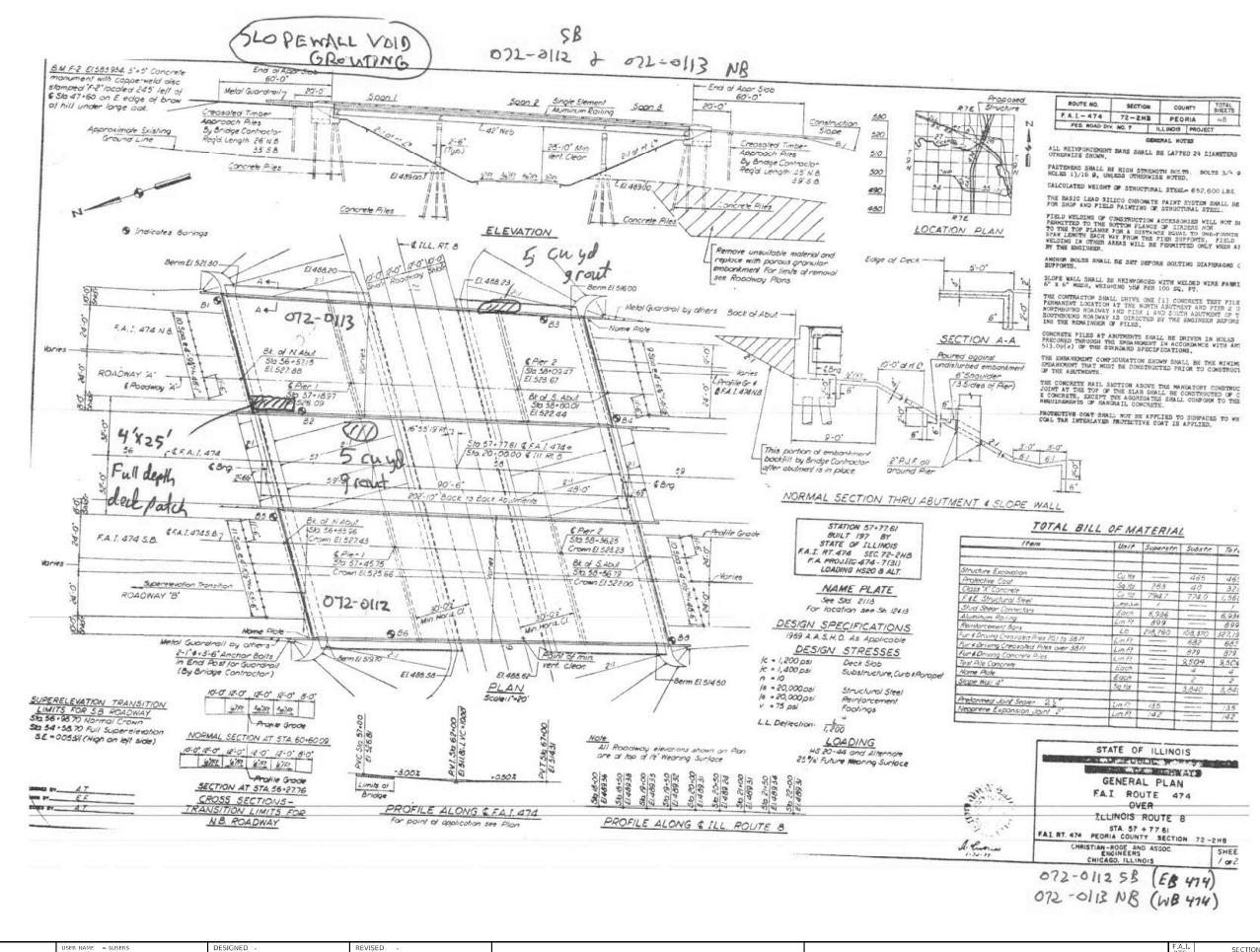
Material	Possible Source	Contact	Telephone Number	Location
RV-50 Wireless Modem & Antenna	CDS Office	Ron Clark	(217)-541-3410	Springfield, IL
60J Solar Panel	Ameresco Solar	Sales	(855)-437-6527	Oakbrook , IL
Sun Xtender Battery 12v 104ah Part # PVX-1040T	Concord Battery Corp.	Sales	(626) 813-1234	West Covina, CA
Sun Xtender Battery 12v 34ah Part # PVX-340T	Concord Battery Corp.	Sales	(626) 813-1234	West Covina, CA
SunSaver 10L solar charger Part # SS-10L-12V	Sunwize Power & Battery	Sales	(800)-817-6527	San Jose, CA
Battery Box with Lock Part # BBA1M	Ameresco Solar	Sales	(855)-437-6527	Texas, California, Arizona
Battery Box with Lock	Control Specialists	Terence Tomlin	(407) 628-1965	Florida
Solar Panel Bracket Part # 007985	Sunwize Power & Battery	Sales	(800)-817-6527	San Jose, CA
TIRTL - Ver. 3 Traffic counter with cable kit	Control Specialists	Terence Tomlin	(407) 628-1965	Florida
TIRTL cabinet	Control Specialists	Terence Tomlin	(407) 628-1965	Florida

USER NAME = \$USER\$	DESIGNED -
	DRAWN -
PLOT SCALE = \$SCALE\$	CHECKED -
PLOT DATE = \$DATE\$	DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRACCIO COUNTER OVOTEM					F.A.I. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.	
TRAFFIC COUNTER SYSTEM					72[1RS-3;(2	2-4)RS-2	2]	PEORIA	240	203B		
										CONTRACT	NO. 68	3C45
	SHEET	OF	SHEETS	STA.	TO STA.		1	ILLINOIS	FED. AI	D PROJECT		





MODEL: \$MODELNA

DRAWN

DATE

LOT DATE = \$DATE\$

HECKED

REVISED

REVISED

REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 072-0112 /0113

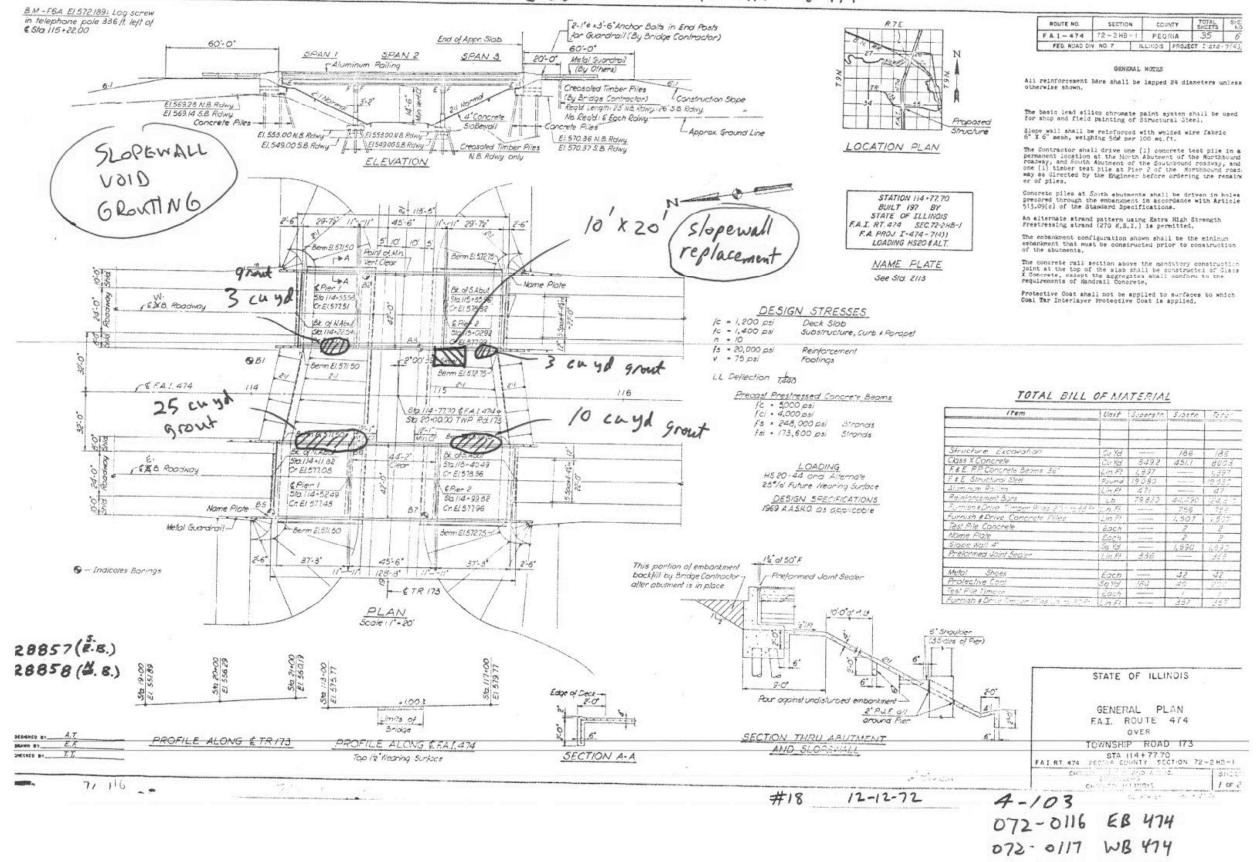
TO STA.

SCALE:

F.A.I. SECTION COUNTY TOTAL SHEETS NO.

474 72[1RS-3:(2-4)RS-2] PEORIA 240 205

CONTRACT NO. 68C45



MODEL: \$MODELNAME

JSER NAME = \$USER\$

LOT DATE = \$DATE\$

DESIGNED

HECKED

DRAWN

DATE

REVISED

REVISED

REVISED

REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

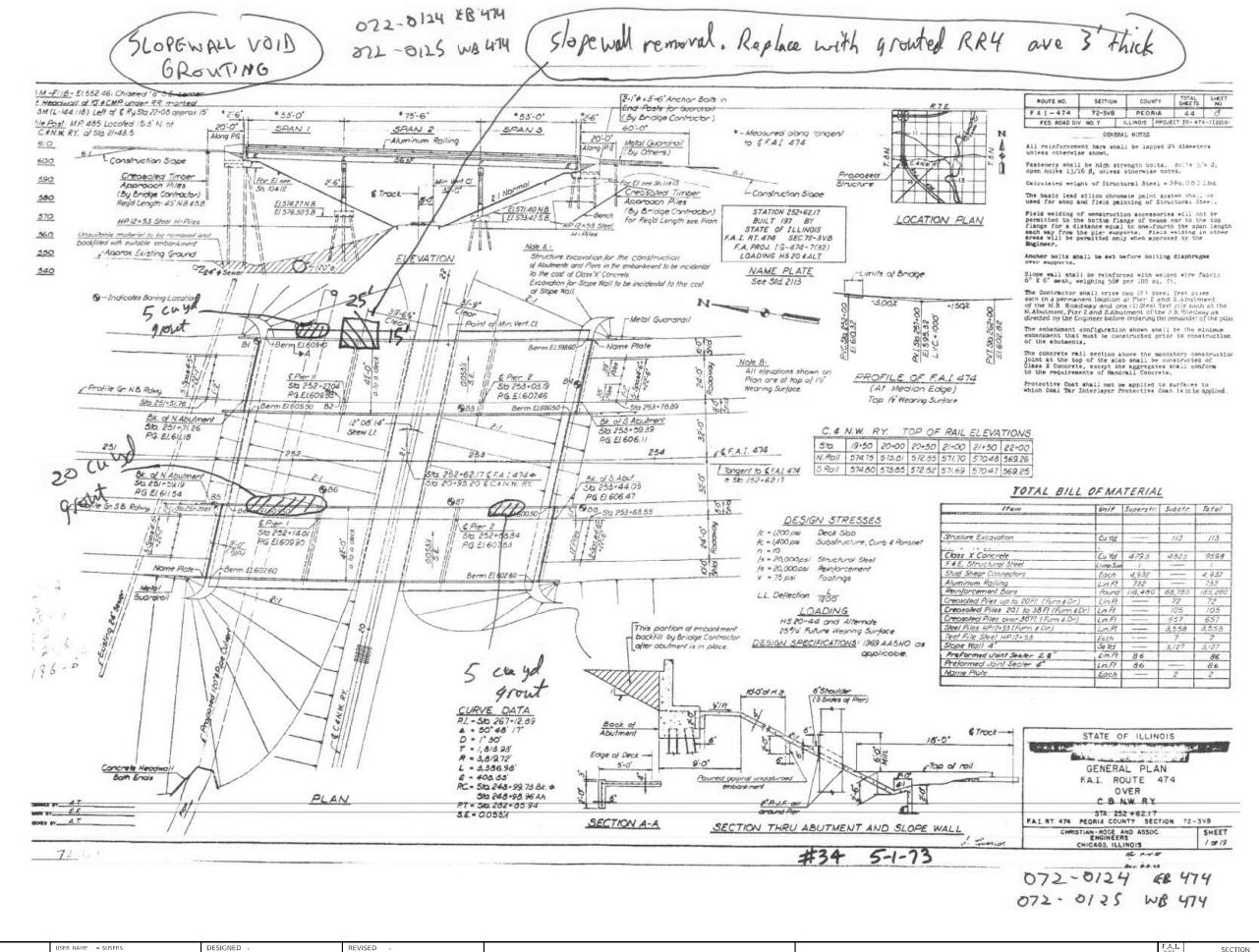
DECK SLAB REPAIR PARTIAL

SET OF SHEETS STA.

TO STA.

SCALE:

SHEET



MODEL: \$MODELNAME

DRAWN

HECKED

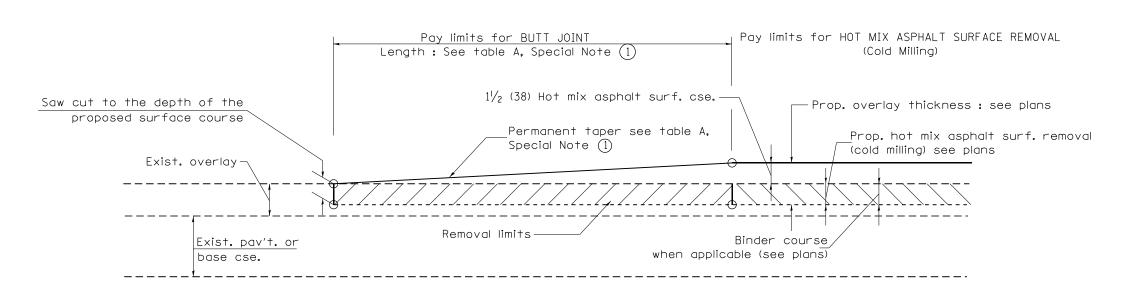
REVISED

REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK SLAB REPAIR PARTIAL
SHEET OF SHEETS STA.

F.A.I. SECTION COUNTY TOTAL SHEETS NO.
474 72[1RS-3:(2-4)RS-2] PEORIA 240 207
CONTRACT NO. 68C45



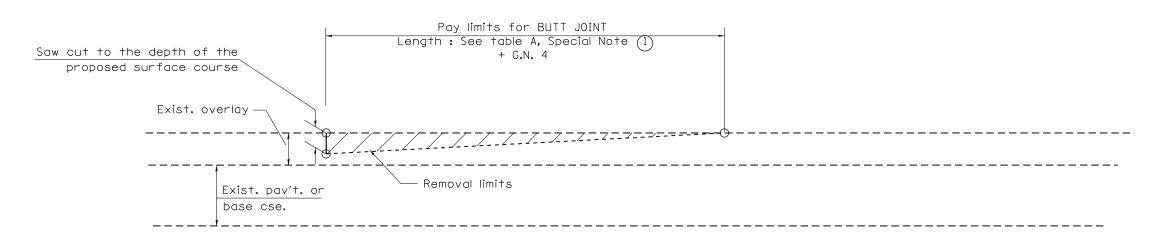
CASE 1: WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

TABLE A TAPER RATES

SPECIAL NOTE	ELEMENT	MAINLINE INTERSTATES &	ALL
NUMBER		4-LANE EXPRESSWAYS	OTHERS
	BUTT JOINT	1:480	1:240
	TAPER RATE		
2	TEMPORARY RAMP	1:80	1:40
	TAPER RATE		

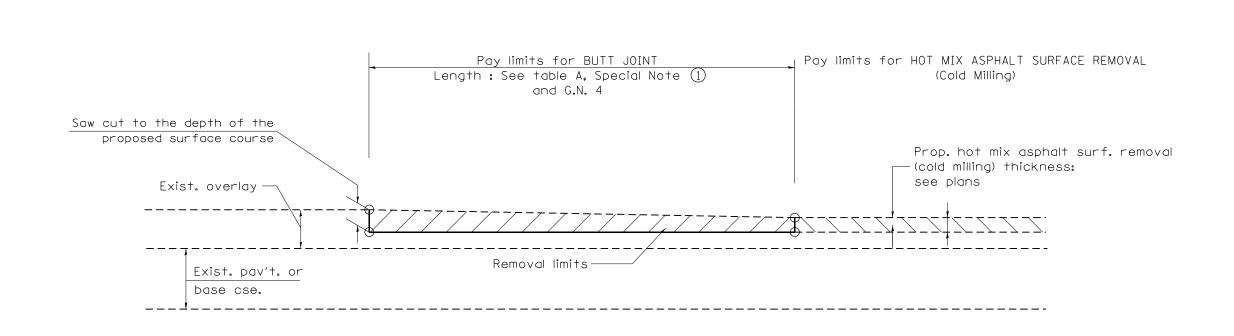
GENERAL NOTES

- 1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
- 2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
- 3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
- 4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
- 5. Temporary ramps are paid for separately and not included in the cost of the butt joints.

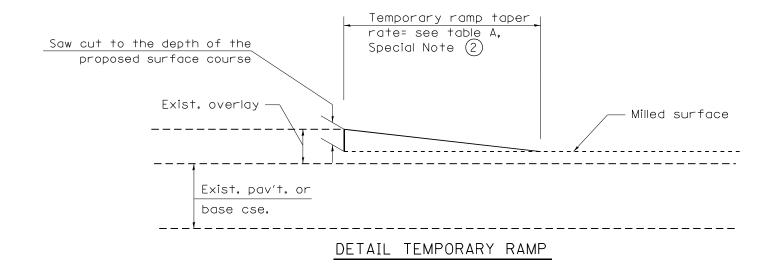


CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

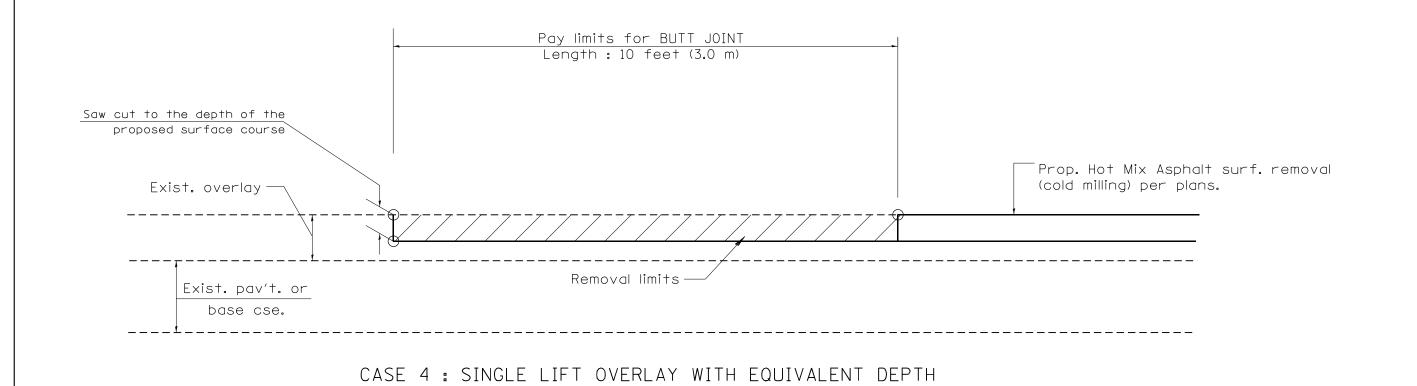
01-0	01-97	RENUM. C-23.01, NEW REVISION BOX T.P	08-21-13 MAJOR MODIFICATIONS	R.D.			RTE SECTION	COUNTY SHEETS NO.
04-0	01-97	CORRECTION TO DEPTH J.A	04-12-16 MINOR CORRECTIONS	R.D.	STATE OF ILLINOIS	BUTT JOINTS	474 72[1RS-3:(2-4)RS-2]	PEORIA 240 208
09-1	15-05	REVISED DESIGNER NOTE M.M.	A. 02-14-17 ADDED NOTE 5	R.D.	DEPARTMENT OF TRANSPORTATION		SHT. 1 OF 3	CONTRACT NO. 68C45
10-1	16-06	REVISED TO 2007 SPEC. M.A	07-16-19 Wording and Spelling corrections	R.D.		NOT TO SCALE	CADD STD. 406101-D4 FED. ROAD DIST. NO. ILLINOIS FED. AID F	PROJECT



CASE 3: HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING) TIE-IN TO EXISTING BITUMINOUS TAPER



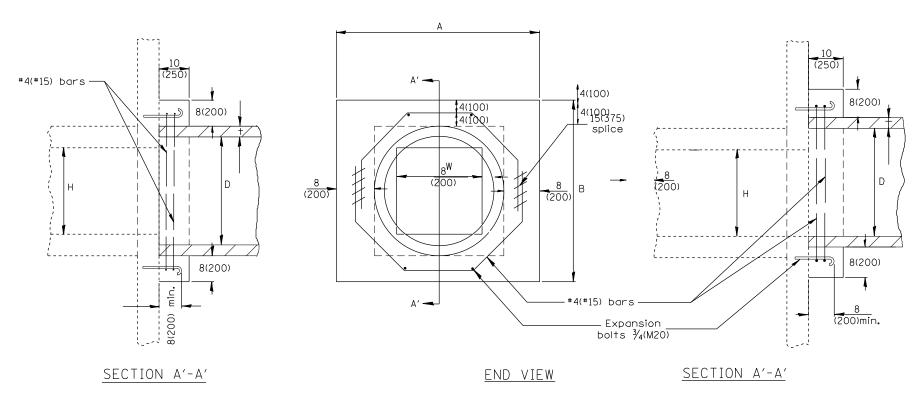
	OTATE OF HUNDIO	DUTT JOINTO		F.A. SECTION	COUNTY TOTA	AL SHEET ETS NO.
	STATE OF ILLINOIS	BUTT JOINTS		474 72[1RS-3;(2-4)RS-2]	PEORIA 240	0 209
	DEPARTMENT OF TRANSPORTATION		SHT. 2 OF 3		CONTRACT NO.	. 68C45
		NOT TO SCALE	CADD STD. 406101-D4	FED. ROAD DIST. NO. ILLINOIS FED. A	AID PROJECT	

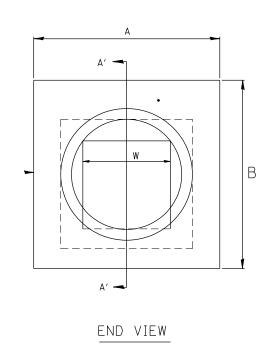


HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

TIE-IN TO EXISTING BITUMINOUS TAPER

				RTE. SECTION	COUNTY SHEETS NO.
	STATE OF ILLINOIS	BUTT JOINTS		474 72[1RS-3;(2-4)RS-2]	PEORIA 240 210
	DEPARTMENT OF TRANSPORTATION		SHT. 3 OF 3	•	CONTRACT NO. 68C45
		NOT TO SCALE	CADD STD. 406101-D4	FED. ROAD DIST. NO. ILLINOIS FED. /	AID PROJECT

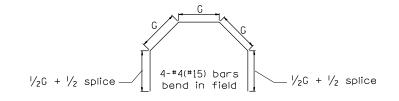




DOWN STREAM

<u>up stream</u>

EXISTING BOX							EAC	H COLLAR		
		Α	В	D	<i>†</i>	CONC. COLLAR	NC. COLLAR REINFORCEMENT BA			EXPANS ION BOLT
W	Н					CU. YD. (m³)	G	L	LBS.(KG)	EACH
12(300) PIPE	32 (810)	32 (810)	12 (300)	2(50)	0.18(0.14)	10 (254)	4'-7'' (1.40m)	12(5.5)	4
18(450)) PIPE	39 (990)	39 (990)	18 (450)	21/2(65)	0.24(0.18)	(324)	5'-6" (1.68m)	15(7)	4
24(600)) PIPE	3'-10'' (1.17m)	3'-10'' (1.17m)	24 (600)	3(75)	0.30(0.23)	15¾ (400)	6'-6'' (1 . 98m)	17(8)	4
24(600)	24(600)	4'-5" (1.35m)	4'-5" (1.35m)	30 (750)	31/2(90)	0.37(0.28)	18¾ (416)	7'-6" (2.29m)	20(9)	4
30(750)	30(750)	5′ - 0′′ (1 . 52m)	5' - 0" (1.52m)	36 (900)	4(100)	0.45(0.34)	(346)	8'-5" (2.57m)	22.5(10)	8
36(900)	36(900)	5'-7" (1.7m)	5'-7'' (1.7m)	42 (1050)	41/2(115)	0.50(0.38)	24 ¹ / ₂ (622)	9'-5" (2.87m)	25(11)	10
42(1050)	42(1050)	6'-2" (1.88m)	6'-2" (1.88m)	48 (1200)	5(125)	0.61(0.47)	27 ¹ / ₄ (692)	10'-4" (3 ₋ 15m)	28(12 . 5)	10
48(1200)	48(1200)	6'-9'' (2 . 06m)	6'-9'' (2 . 06m)	54 (1350)	51/2(140)	0.80(0.61)	30 ¹ / ₄ (768)	11'-4'' (3 . 45m)	30(14)	10



GENERAL NOTES

- 1. The collar shall be constructed entirely of CLASS SI CONCRETE and in accordance with the applicable portions of Section 503 of the Standard Specifications. Reinforcement Bars shall conform to Section 508.
- 2. Expansion Bolts shall consist of approved Expansion Anchors, and $\frac{3}{4}$ (M20) Hook Bolts which conform to Section 1006.09. These Bolts shall extend at least 8(200) into the new Concrete.
- 3. This work will be paid for by the cubic yard (cubic meter) for CONCRETE COLLAR, by the pound (kg) for REINFORCEMENT BARS, and by Each for EXPANSION BOLTS of the size indicated.

QUANTITIES

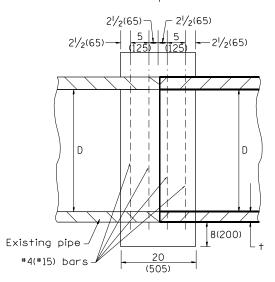
CALC. BY: ______ DATE:

CHECKED BY: _____ DATE:

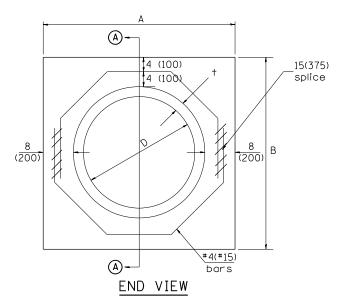
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

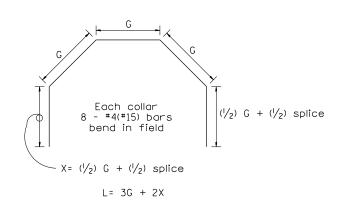
01-01-97	RENUM. J-11.02, NEW REVISION BOX, REVISED	T.P.		07477 05 11111010			RTE.	SECTION	COUNTY	SHEETS NO.
	TITLE BOX, ADDED QUANTITY CALCULATION BOX			STATE OF ILLINOIS	PIPE CULVERT EXTENSION COLLAR (WITH END SECTIO	N)	474	72[1RS-3;(2-4)RS-2]	PEORIA	240 211
10-16-06	REV. TO 2007 SPEC., REINF. BATS COL.	M.A.		DEPARTMENT OF TRANSPORTATION					CONTRACT	T NO. 68C45
2-15-11	ADDED NOTES	R.D.			NOT TO SCALE CADD STD.	542001-D4	FED. ROA	D DIST. NO. ILLINOIS FED. /	AID PROJECT	





SECTION A - A





					E	Each Collar		
						Reinforce	ment Bars	
D	+	А	В	CL. SI CONC.	G	X	L	Weight
in (mm)	in (mm)	ft (m)	f+ (m)	cu. yd. (m ³)	in (mm)	in (mm)	f+ (m)	lb (kg)
12 (300)	2.00 (51)	2.67 (0.814)	2.67 (0.814)	0.4 (0.270)	9 ¹⁵ / ₁₆ (253)	12 1/16 (317)	4.57 (1.393)	24 (11)
15 (375)	2.25 (57)	2.96 (0.902)	2.96 (0.902)	0.4 (0.315)	$11\frac{3}{8}$ (290)	13 3/16 (335)	5.05 (1.541)	27 (12)
18 (450)	2.50 (64)	3. 25 (0. 991)	3. 25 (0. 991)	0.5 (0.362)	12 ¹³ / ₁₆ (327)	13 1/8 (354)	5.54 (1.689)	30 (14)
21 (525)	2.75 (70)	3.54 (1.079)	3.54 (1.079)	0.5 (0.411)	14 1/4 (364)	145/8 (372)	6.02 (1.836)	32 (15)
24 (600)	3.00 (76)	3.83 (1.167)	3.84 (1.167)	0.6 (0.460)	15"/ ₁₆ (401)	15 1/6 (391)	6.51 (1.984)	35 (16)
27 (675)	3. 25 (83)	4.13 (1.259)	4.13 (1.259)	0.7 (0.516)	171/4 (438)	16 1/16 (409)	6.99 (2.131)	37 (17)
30 (750)	3.50 (89)	4.42 (1.347)	4.42 (1.347)	0.7 (0.570)	18 / ₁₆ (475)	16 3/4 (428)	7.48 (2.279)	40 (18)
33 (825)	3.75 (95)	4.71 (1.436)	4.71 (1.436)	0.8 (0.624)	20 1/8 (512)	171/2 (446)	7.96 (2.426)	43 (19)
36 (900)	4.00 (102)	5.00 (1.524)	5.00 (1.524)	0.9 (0.682)	21 % (549)	18 3/16 (465)	8.44 (2.574)	45 (20)
42 (1050)	4.50 (114)	5.58 (1.701)	5.58 (1.701)	1.0 (.800)	24 1/16 (622)	19 3/4 (501)	9.41 (2.869)	50 (23)
48 (1200)	5.00 (127)	6.17 (1.881)	6.17 (1.881)	1.2 (0.930)	27 1/16 (696)	21 3/16 (538)	10.38(3.164)	55 (25)

GENERAL NOTES

- 1. THE COLLAR SHALL BE CONSTRUCTED ENTIRELY OF CLASS SI CONCRETE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS. REINFORCEMENT BARS SHALL CONFORM TO SECTION 508.
- 2. This work shall be paid for by the cubic yard (cubic meter) for CONCRETE COLLAR and by the pound (kg) for REINFORCEMET BARS.

OUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

QUANTITIES

__R. J. D.

CALC. BY:

CHECKED BY: R.D.H.

01-01-97 RENUM. B-8.03, NEW REVISION BOX, REVISED T.P.	09-01-00 CORRECT WEIGHT	J.A.			RTF.	SECTION	COUNTY	SHEETS NO.
TITLE BOX, ADDED QUANTITY CALCULATION BOX	10-16-06 REV. TO 2007 SPEC., CORRECT mm UNITS	M.A.	STATE OF ILLINOIS	PIPE CULVERT EXTENSION COLLAR (WITHOUT END SECTION)	474 72	[1RS-3:(2-4)RS-2]	PEORIA	240 212
04-01-97 CORRECT BAR J.A.	2-15-11 ADDED GENERAL NOTE #2	R.D.	DEPARTMENT OF TRANSPORTATION				CONTRACT	NO. 68C45
02-10-98 REVISE QUANTITIES J.A.				NOT TO SCALE CADD STD. 542016-D	D4 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		ID PROJECT	

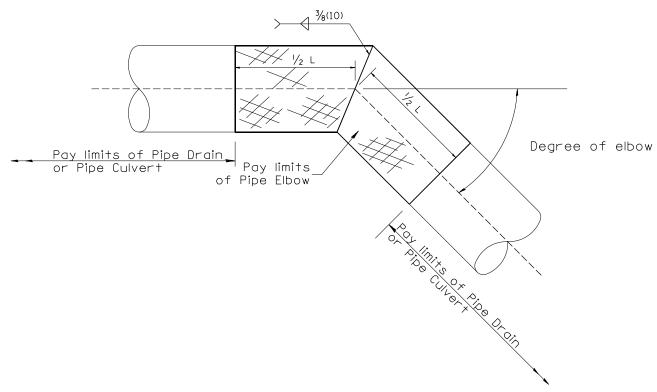


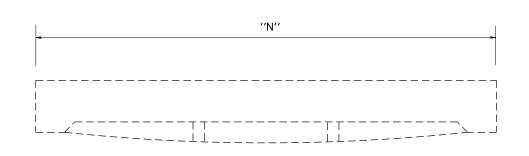
TABLE A									
ELBOW DESIGN CONTROLS									
DIDE DIAMETED		L = Pay limits of Pipe Elbow and minimum length of pipe required for fabrication							
PIPE DIAMETER	DEGREE OF ELBOW 45°	DEGREE OF ELBOW > 46°							
12(300)	24(600)	4′(1 . 22M)							
15(375)	24(600)	4′(1 . 22M)							
18(450)	24(600)	4′(1 . 22M)							
21(525)	24(600)	4′(1 . 22M)							
24(600)	4′(1 . 22M)	4′(1 . 22M)							
30(750)	4′(1.22M)	6′(1 . 83M)							
36(900)	4′(1 . 22M)	6′(1 . 83M)							

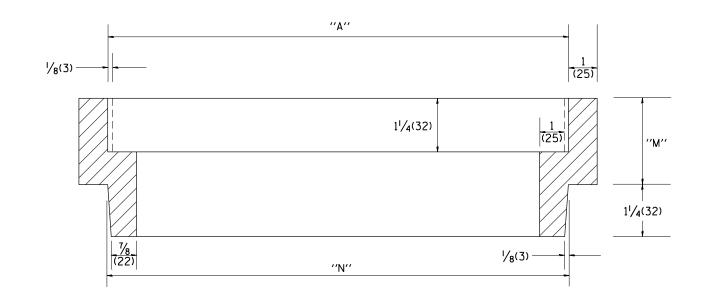
TABLE B										
ELBOW DESIGN CONTROLS										
DEGREE OF ELBOW *										
9°										
14°										
18°										
26°										
33°										

* Approximate - based upon 0.5% inlet and outlet flowlines.

Pay limits of Pipe Elbow Pay limits of Pipe Drain Or Pipe Culvert
√ ₂ L √ ₂ L √ _{3/6} (10)

01-01	97 RENUM. J-11.05, NEW REVISION BOX, T.P.			R	TE.	SECTION	COUNTY	SHEETS NO.
	REVISED TITLE BOX	STATE OF ILLINOIS	PIPE ELBOW		474 72[11	RS-3;(2-4)RS-2]	PEORIA	240 213
10-16	06 REVISED TO 2007 SPEC. M.A.	DEPARTMENT OF TRANSPORTATION			•		CONTRACT	NO. 68C45
			NOT TO SCALE CAD	DD STD. 601301-D4 FI	ED. ROAD DIST. N	O. ILLINOIS FED. AID	PROJECT	







Station	Dime	ension i	nches	(millime	_
31411011		''A''	''N''	''M''	Quantity
				Total	

General Notes:

1. Article 603.08 shall apply

01-01-97 RENUM. B-6.01, NEW REVISION BOX 1.P.			RTE. SECTION	COUNTY SHEETS NO.
10-16-06 REVISED TO 2007 SPEC. M.A.	STATE OF ILLINOIS	FRAME & GRATE ADJUSTING RING	474 72[1RS-3;(2-4)RS-2]	PEORIA 240 214
	DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 68C45
		NOT TO SCALE CADD STD. 604201-D4	FED. ROAD DIST. NO. ILLINOIS FED.	AID PROJECT

AT EDGE OF EXISTING PAVEMENT

1. INCLUDE STATE STANDARDS 420001 AND 606001.

LEGEND

- H = curb height: 6(150) or 9(225). (see plans for curb height)
- X = thickness of bitumunous resurfacing.
 (see plans for thickness)
- T = thickness of existing P.C.C. pavement. (see plans for thickness)

GENERAL NOTES:

- 1. Tie bars shall be #6(#20) at 24(600mm) center in accordance with details for longitudinal construction joint shown in Standard 420001.
- 2. A minumum clearance of 2(50mm) between the end of th tie bar and the back or top of the curb shall be maintained.
- 3. Drainage openings 1 sq. ft.(0.1m²) in area shall be cut through existing concrete within median along curb at 20′(6.1m) centers and at low points.
- 4. CONCRETE CURB, TYPE B (MODIFIED) shall be constructed in accordance with the applicable portions of Standards 420001 and 606001, and in accordance with the applicable portions of Article 420.10 and Section 606 of the Standard Specifications except as noted herein.

All dimensions are in inches (millimeters) unless otherwise noted.

COLLARS FOR BURIED ARE EOUAL TO OR CREATER THAN 1% AND AT INLETS. (INCLUDE DISTRICT GRADES ARE LESS THAN 1% (INCLUDE DISTRICT SPECIAL PROVISION). DIVIDING LINE IS OF AS NEEDED: SLOPE DRAINS FOR EXPOSED PIPES; SLOPE RUST BLOCKS AND PIPE ELBOW.
OUALITY" FOR PROJECTS LOCATED IN THE WESTERN AREA FILES.
FORESLOPE WITH RIPRAP. USE NON-METALLIC PIPE WHEN USE DISTRICT SPECIAL PROVISION FOR SEEDING. MINOR RB PAY ITEM AT GUARDRAIL INSTALLATIONS WHERE GRADES E EROSION CONTROL" AT GUARDRAIL INSTALLATIONS WHERE 610001, IF APPLICABLE.
POSCIO STANDARDS AS NEEDED: SLOPE DRAINS FOR POSCIO PIPES; CONCRETE THRUST BLOCKS AND PIPE ELBOW. PROVISION - "AGGREGATE QUALITY" FOR PROJECTS LOCATE HEN INSERTING INTO PLAN FILES.

AID FOR OUTLETTING ONTO FORESLOPE WITH RIPRAP, USE NAID FOR ON THE CONTRACT LIKE DISTRICT. 4.5.5.

03-07-11 ADDED DETAIL SHOWING PLAN VIEW

08-10-12 REVISED CURB "B" AND AGGREGATE

07-15-15 ADDRESSED SHOULDER INLET CURB

01-26-17 REVISED

48(1200) minimum Guardrail (100) PCC or Bituminous Shoulder Thickness-(100) See plans Geotextile Fabric (stapled) Comb. CC&G, Type B Pan Width - See Plans Guardrail Aggregate_ Erosion Control

TYPICAL SECTION WITH COMBINATION CONCRETE CURB & GUTTER

5-30-18 CHANGE B CURB TO CC&G

07-16-19 SPELLING CORRECTIONS

R.D.

R.D.

R.D.

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

- 1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
- 2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
- 3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
- 4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
- 5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.

All dimensions are in inches (millimeters)

SECTION

72[1RS-3:(2-4)RS-2]

COUNTY

PEORIA 240 216

CONTRACT NO. 68C45

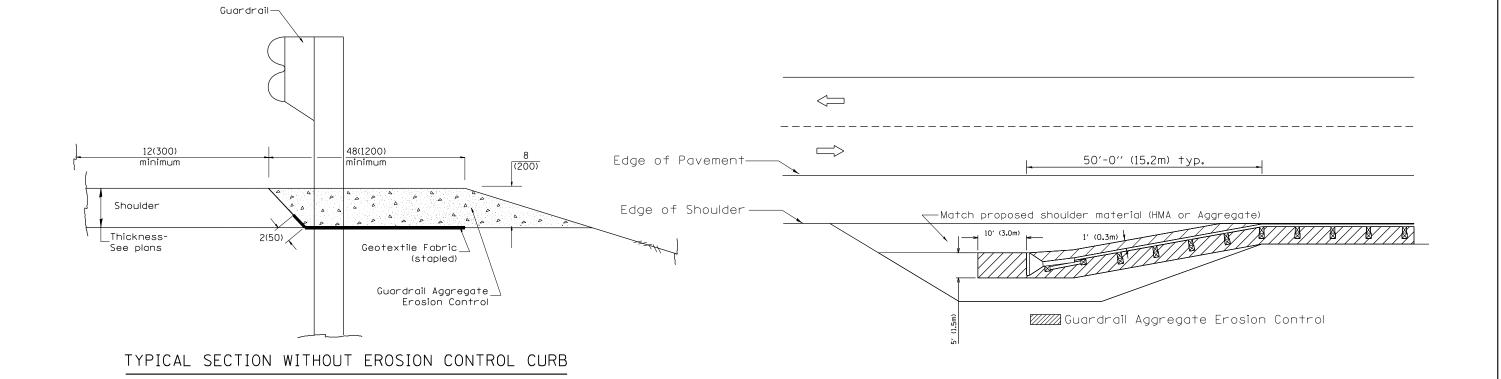
unless otherwise noted.

474

- 6. Materials shall meet the following requirements:
- A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
- B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.

GUARDRAIL EROSION CONTROL TREATMENTS

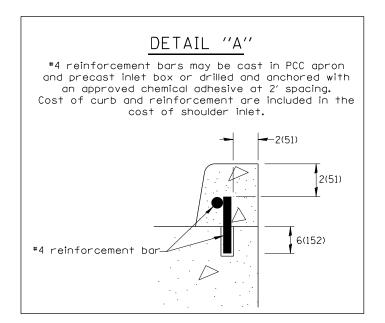
NOT TO SCALE

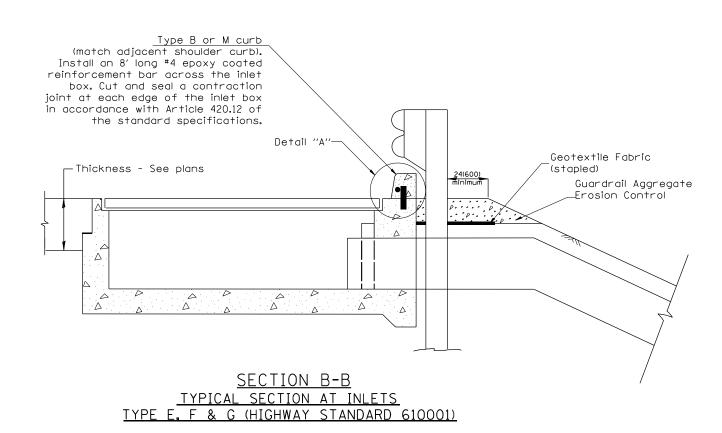


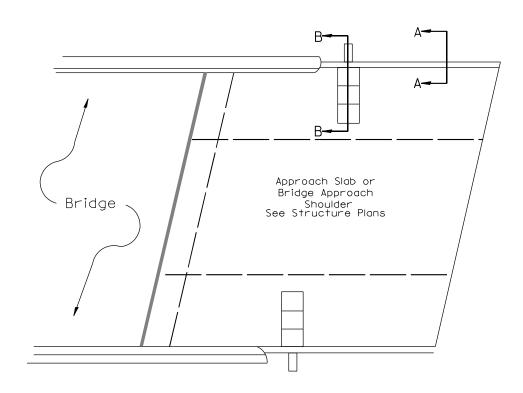
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

R.D.

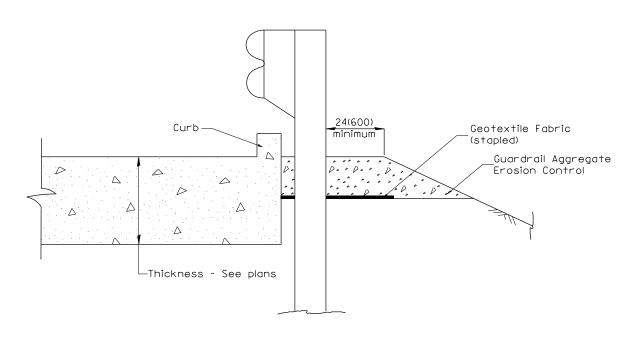






PLAN VIEW

APPROACH SLAB OR SHOULDER PLACEMENT



SECTION A-A

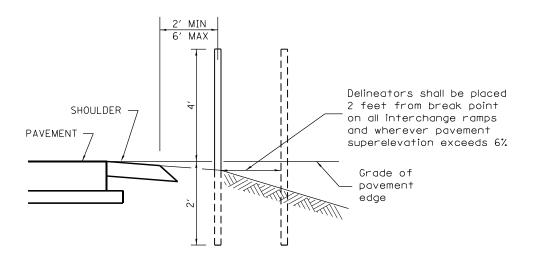
TYPICAL SECTION WITH BRIDGE APPROACH CURB

	STATE OF ILLINOIS	GUARDRAIL EROSION CONTROL TREATMENTS	F.A. SECTION 474 72[185-3:(2-4)85-2]	COUNTY TOTAL SHEET NO. PEORIA 240 217
	DEPARTMENT OF TRANSPORTATION	SHT. 2 OF 2	72[113 3,(2 4)13 2]	CONTRACT NO. 68C45
		NOT TO SCALE CADD STD. 630101-D4	FED. ROAD DIST. NO. ILLINOIS FED. /	AID PROJECT

08-25-15 NEW STANDARD

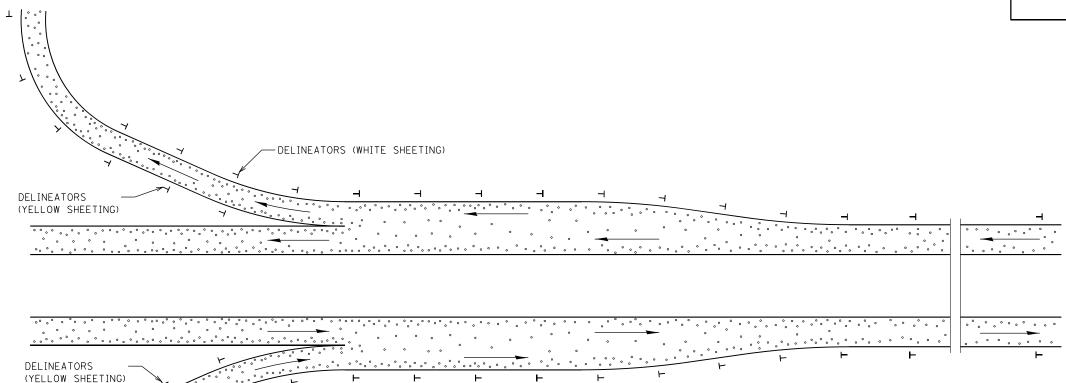
SPACING ON CURVE LOCATION (FEET) (FEET) **GENERAL NOTES** Delineators on mainline shall be placed at 400' spacing on tangent sections, and 200' spacing on curved sections. Delineators on ramps, shall be placed as follows: 1. On tangent sections, acceleration lanes and deceleration lanes at maximum spacing of 100'. 2. On outside of all curved sections. (See table above for spacing) SECTION COUNTY 474 72[1RS-3;(2-4)RS-2] PEORIA 240 218 CONTRACT NO. 68C45 CADD STD. 635002-D4 FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

SPACING FOR RECOVERABLEDELINEATORS ON HORIZONTAL CURVES RADIUS OF CURVE ON



SECTIONAL VIEW

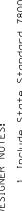
-DELINEATORS (WHITESHEETING)

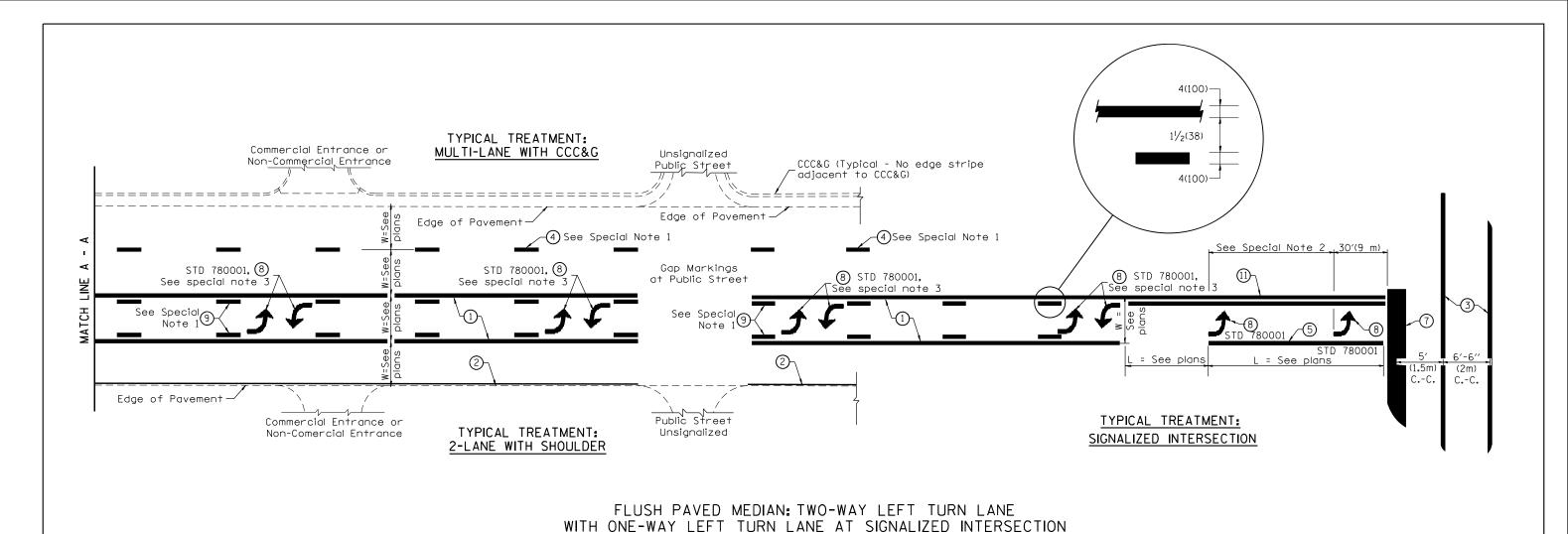


PLAN VIEW

STA	TE OF ILLINOIS	
DEPARTMENT	T OF TRANSPORTATION	







TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- (1) 4(100) Solid (Yellow)
- (2) 4(100) Solid (White)
- 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
 2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- 4 6(150) Skip-Dash (White) 10' (3.05m) (9.14m) (3.05m) (See Special Note 1)
- (5) 8(200) Solid (White)
- (6) 12(300) Diagonal (White) (Item (6) is shown on Std. 780001)
- (7) 24(600) Stop Bar (White)
- 8 Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- 9 4(100) Skip-Dash (Yellow) 10' (3.05m) (9.14m) (3.05m) (See Special Note 1)
- 12(300) Diagonal (Yellow) (See Table A)
- 11) 4(100) Double Solid (Yellow)

SPECIAL NOTES

- Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
- 2. The following shall apply to arrows located in one-way left turn lanes:
- A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80′ (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
- 3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required. B. The maximum spacing between arrow pairs $% \left(1\right) =\left(1\right) ^{2}$
 - is 200' (61 m).

 C. Arrow pairs shall be evenly spaced if three (3) or more are required.

NOT TO SCALE

D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

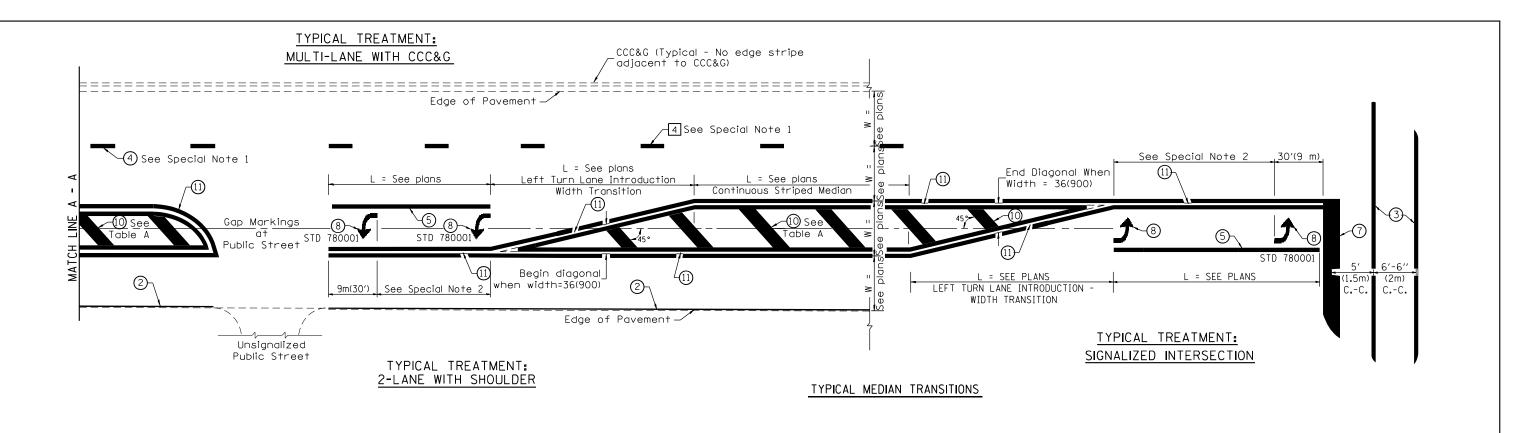
- Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
- See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
- 3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
- 4. Areas are grooved 1" beyond each edge for the following symbols: Through Arrow= 14.8 sq. ft.
 Large Left or Right Arrow= 21.9 sq. ft.
 2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
 Wrong Way Arrow= 29.5 sq. ft.
 Railroad Crossing Symbol= 69.8 sq. ft.
 (For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	П	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	1	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.	1	07-16-19	SPELLING CORRECTIONS	R.D.
08-02	ADD CDOSCWALK DWNS WITH TS	M A	1 1			

11(280) C.-C.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

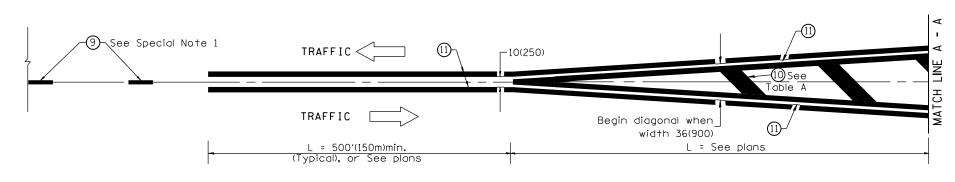
TYPICAL PAVEMENT MARKINGS



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	CONTINUOUS	(Includes Width Transitions for Median and Left Turn Lane Introductions)
Less Than 30 mph (50 km/h)	50' (15m)	15′ (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30′ (9m)

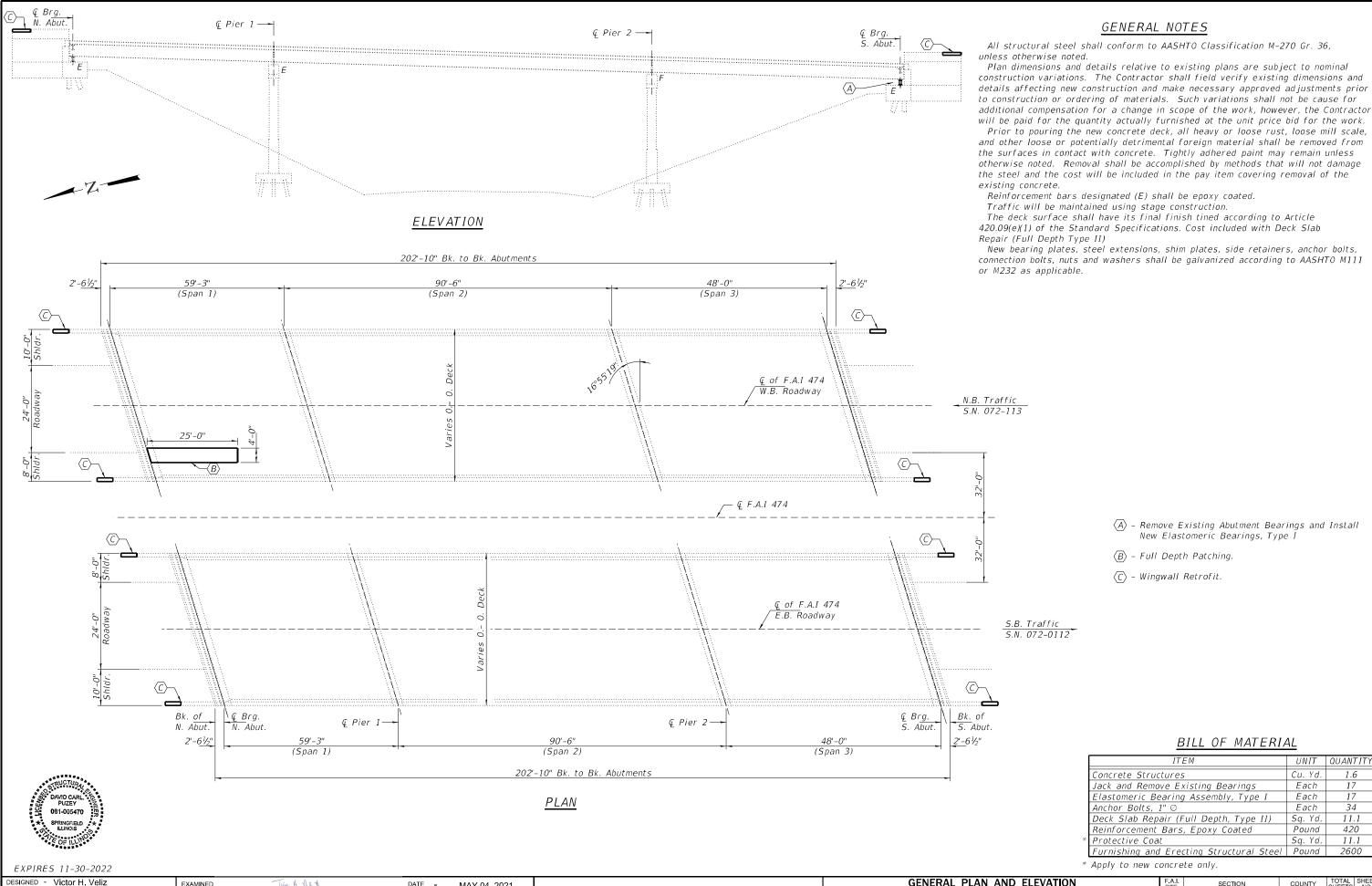


MEDIAN INTRODUCTION - WIDTH TRANSITIONS

All dimensions are in inches (millimeters) unless otherwise noted.

INTERSECTION CHANNELIZATION

	27.77 27 11.111212			F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
	STATE OF ILLINOIS	TYPI		474 7	72[1RS-3;(2-4)RS-2]	PEORIA	240 220
	DEPARTMENT OF TRANSPORTATION		SHT. 2 OF 2			CONTRACT	NO. 68C45
		NOT TO SCALE	CADD STD. 780001-D4	FED. ROAD DI	IST. NO. ILLINOIS FED. AII	D PROJECT	



STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

MAY 04, 2021

DATE -

REVISED

EXAMINED

PASSED

CHECKED - Adrian T. Halloway

CHECKED - VHV ATH

DRAWN - Venkat Ramana Reddy V

Tris A. Alt

ENGINEER OF STRUCTURAL SERVICES

GENERAL PLAN AND ELEVATION FAI 474 OVER ABANDONED UPRR SN 072-0112 (E.B) & 072-0113 (W.B) SHEET NO. 1 OF 4 SHEETS

TOTAL SHEE NO. COUNTY 474 72[1RS-3; (2-4)RS-2] PEORIA 240 221 CONTRACT NO. 68C45

UNIT QUANTITY

Each

Each

Each

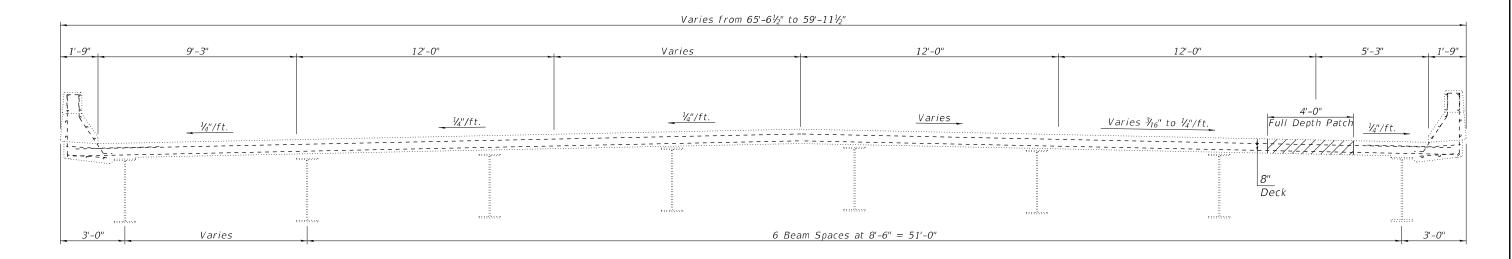
1.6

17 17

34

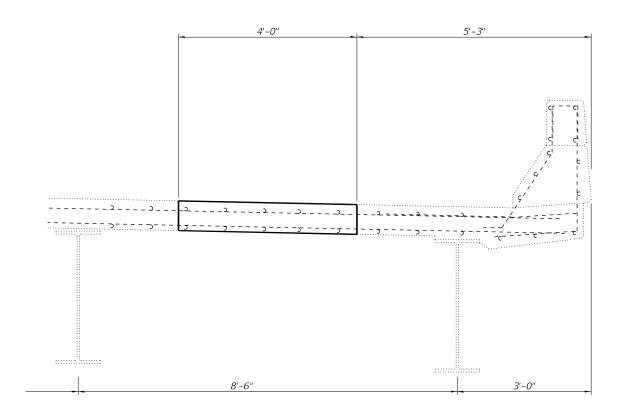
11.1

420 11.1 2600



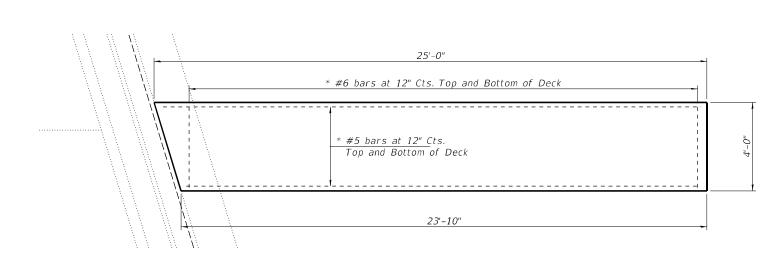
CROSS SECTION AT SPAN 1

(SN 072-0113 N.B. Looking South)



REPAIR B - CROSS SECTION THRU DECK

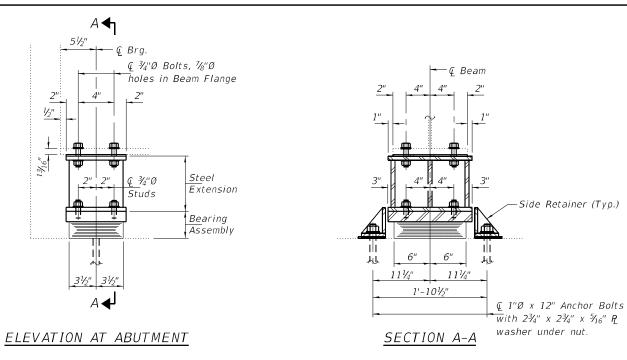
(SN 072-0113 N.B. Looking South)



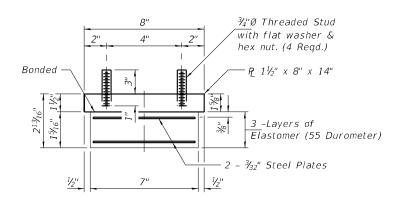
REPAIR B - PLAN VIEW

* Existing Reinforcement to remain

DESIGNED - VHV	EXAMINED	I mot A. A. C.	DATE - MAY 04, 2021		FULL DEPTH PATCH DETAILS	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEET:	L SHEET S NO.
CHECKED - ATH DRAWN - Venkat Ramana Reddy	- DASSED	ENGINEER OF STRUCTURAL SERVICES	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 072-0112 (E.B) & 072-0113 (W.B)	474	72[1RS-3; (2-4)RS-2]	PEORIA	240	222
CHECKED - VHV ATH	PASSED _	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	DEFARIMENT OF TRANSPORTATION	SHEET NO. 2 OF 4 SHEETS		ILLINOIS F	CONTRAI ED, AID PROJECT	CT NO. 68	8C45

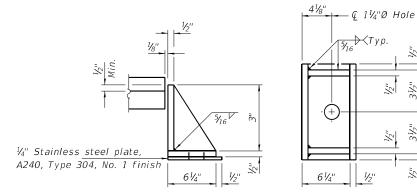


TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

Shim plates shall not be placed under Bearing Assembly.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BEAM REACTIONS

R₽	(K)	19.3
R Ł	(K)	45.3
Imp.	(K)	15.0
R (Total)	(K)	79.6

Notes:

Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.

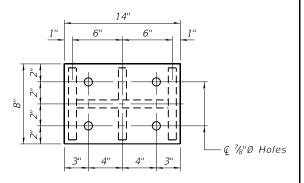
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.

Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).

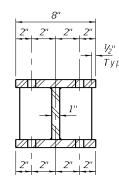
Min. jack capacity = 37 Tons. Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

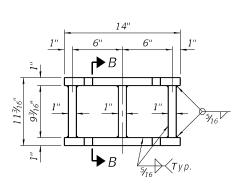
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Cost of Side retainers and Stainless Steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.



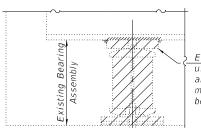
PLAN TOP AND BOTTOM PLATE





SECETION B-B

STEEL EXTENSION DETAIL



Existing IP to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange.

Burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolt smooth and seal with epoxy.

EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

BILL OF MATERIAL

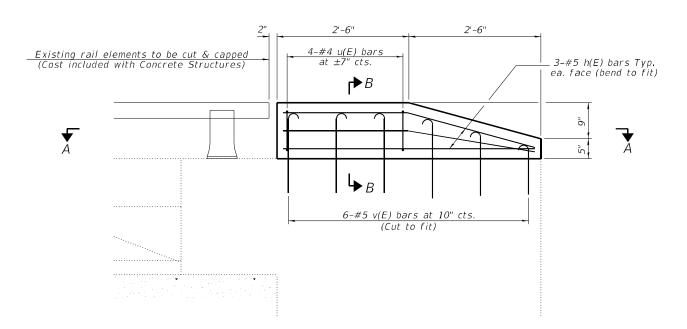
17
17
2600
34

TYI/REPS 5-17-2018

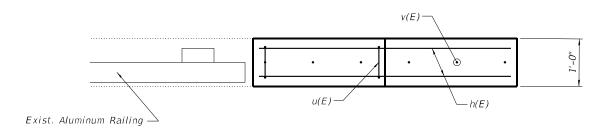
DESIGNED	-	VHV	EXAMINED	I mot A And	DATE -	MAY 04, 2021
CHECKED	-	ATH	-	ENGINEER OF STRUCTURAL SERVICES	-	
DRAWN	-	Venkat Ramana Reddy	PASSED	d. Carl Proper	REVISED	-
CHECKED	-	VHV ATH	-	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	_

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SOUTH ABUTMENT BEARING DETAILS SN 072-0112 (E.B) & 072-0113 (W.B) SHEET NO. 3 OF 4 SHEETS

SECTION COUNTY PEORIA 240 223 474 72[1RS-3; (2-4)RS-2] CONTRACT NO. 68C45

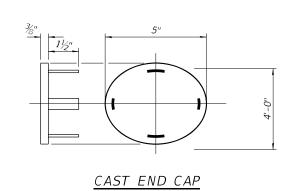


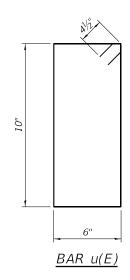
PROPOSED ELEVATION

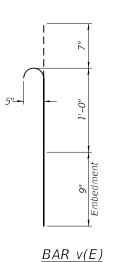


SECTION A-A

* Epoxy grout v(E) bars in 9" min. holes according to Article 584 of the Standard Specs.







TOTAL BILL OF MATERIAL 8 LOCATIONS

	<u> </u>	207111		
Bar	No.	Size	Length	Shape
h(E)	48	#5	4'-8''	
u(E)	32	#4	3'-5"	
v(E)	48	#5	2'-4"	
Concrete	Superstr	Cu. Yd.	1.6	
Reinforce Epoxy Co		Pound	420	

DESIGNED - VHV	EXAMINED	Linett A A n (La	DATE -	MAN/ 04 0004
CHECKED - ATH	EXAMINED	I MAY A. M. Y.	DATE -	MAY 04, 2021
DRAWN - Venkat Ramana Reddy	PASSED	ENGINEER OF STRUCTURAL SERVICES	REVISED	_
CHECKED - VHV ATH	FASSED	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	_

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINGWALL MODIFICATIONS
SN 072-0112 (E.B) & 072-0113 (W.B)

SHEET NO. 4 OF 4 SHEETS

2" <u>cl.</u> Typ.

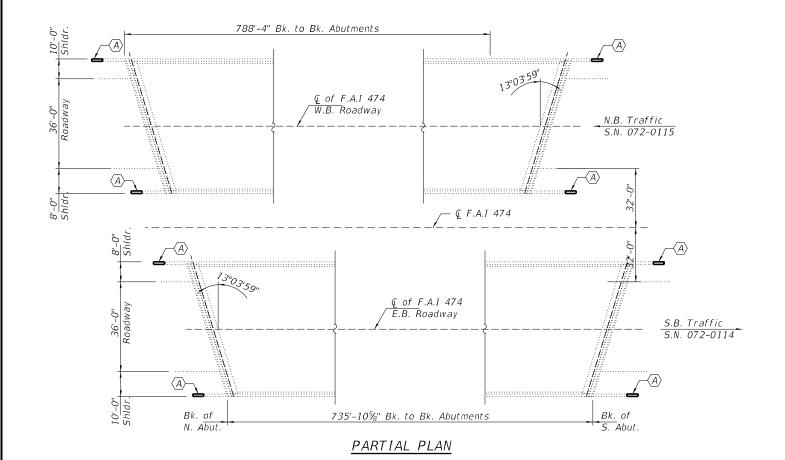
h(E)

SECTION B-B

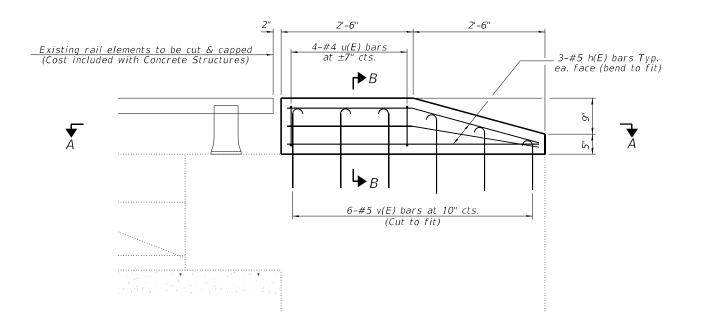
u(E)

	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ı	474	72[1RS-3; (2-4)RS-2]	PEORIA	240	224
_			CONTRACT	NO. 680	C45
ı		11,11,010	 D DDG IEGT		

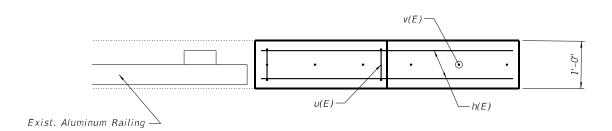
77



⟨A⟩ - Wingwall Retrofit.

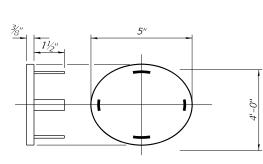


PROPOSED ELEVATION



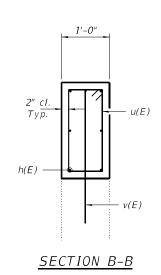
SECTION A-A

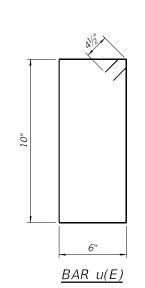
* Epoxy grout v(E) bars in 9" min. holes according to Article 584 of the Standard Specs.

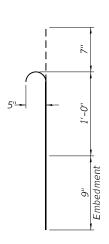












BAR v(E)

TOTAL BILL OF MATERIAL 8 LOCATIONS

Bar	No.	Size	Length	Shape
h(E)	48	#5	4'-8''	
u(E)	32	#4	3'-5"	
v(E)	96	#5	2'-4"	
Concrete	Superstr	ucture	Cu. Yd.	1.6
einforcement Bars,			Pound	560
гроху Со	ated		Found	300

EXPIRES 11-30-2022

DESIGNED - Victor H. Veliz
CHECKED - Adrian T. Halloway
DRAWN - Venkat Ramana Reddy
CHECKED - VHV ATH

EXAMINED INJUST DATE - MAY 04, 2021

ENGINEER OF STRUCTURAL SERVICES
PASSED

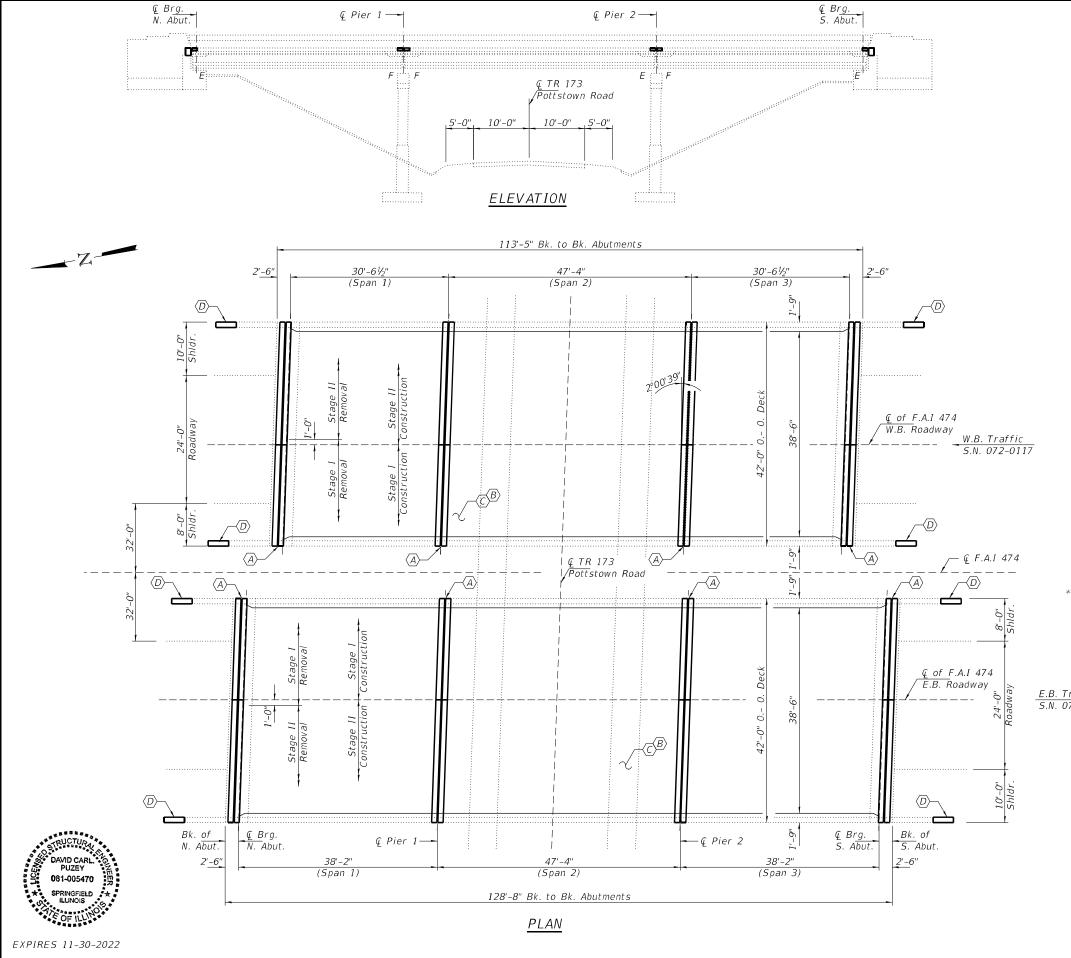
ENGINEER OF BRIDGES AND STRUCTURES

REVISED
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINGWALL & RAILING MODIFICATIONS SN 072-0114 (E.B) & 072-0115 (W.B)

F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
474	72[1RS-3; (2-4)RS-2	.]	PEORIA	240	225
			CONTRACT	NO 680	245
	II I INOIC	EED M	D DDO IEOT		



GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Reinforcement bars designated (E) shall be epoxy coated.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than

Traffic will be maintained using stage construction.
The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructures.

The Contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beam.

- $\langle A \rangle$ Remove existing Neoprene Joints and install new Preformed Joint Strip Seal.
- ** $\langle B \rangle$ Deck Patching. Estimated quantity, Size of patches and locations to be determined by the Engineer in the field and documented on sheet 2 of 8.
- $\langle \overline{C} \rangle$ Remove & Replace Existing HMA Surface & Waterproofing Membrane System
- $\langle \overline{\it D} \rangle$ Retrofit Existing Wingwall

E.B. Traffic 5.N. 072-0116

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	18.6
Concrete Superstructure	Cu. Yd.	18.6
Concrete Structures	Cu. Yd.	0.8
Preformed Joint Strip Seal	Foot	336
Reinforcement Bars, Epoxy Coated	Pound	4360
* Deck Slab Repair (Partial)	Sq. Yd.	40
Hot Mix Asphalt Surface Removal (Deck)	Sq. Yd.	941
Waterproofing Membrane System	Sq. Yd.	967
Polymerized Hot-Mix Asphalt Surface Course, IL-9.5, Mix "D", N70	Tons	79
* Protective Coat	Sq. Yd.	300
Bar Splicers	Each	40

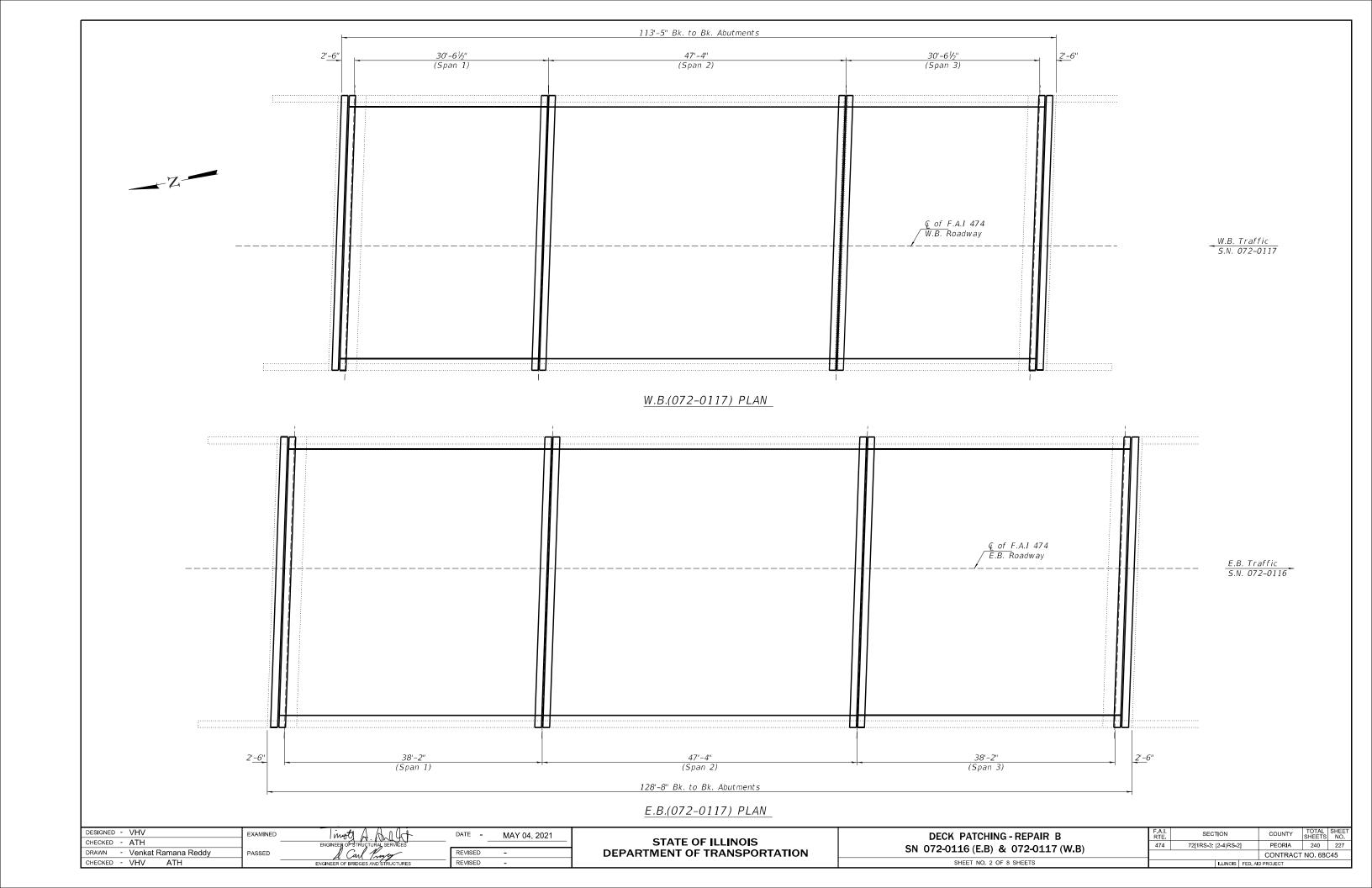
* Apply to new concrete only.

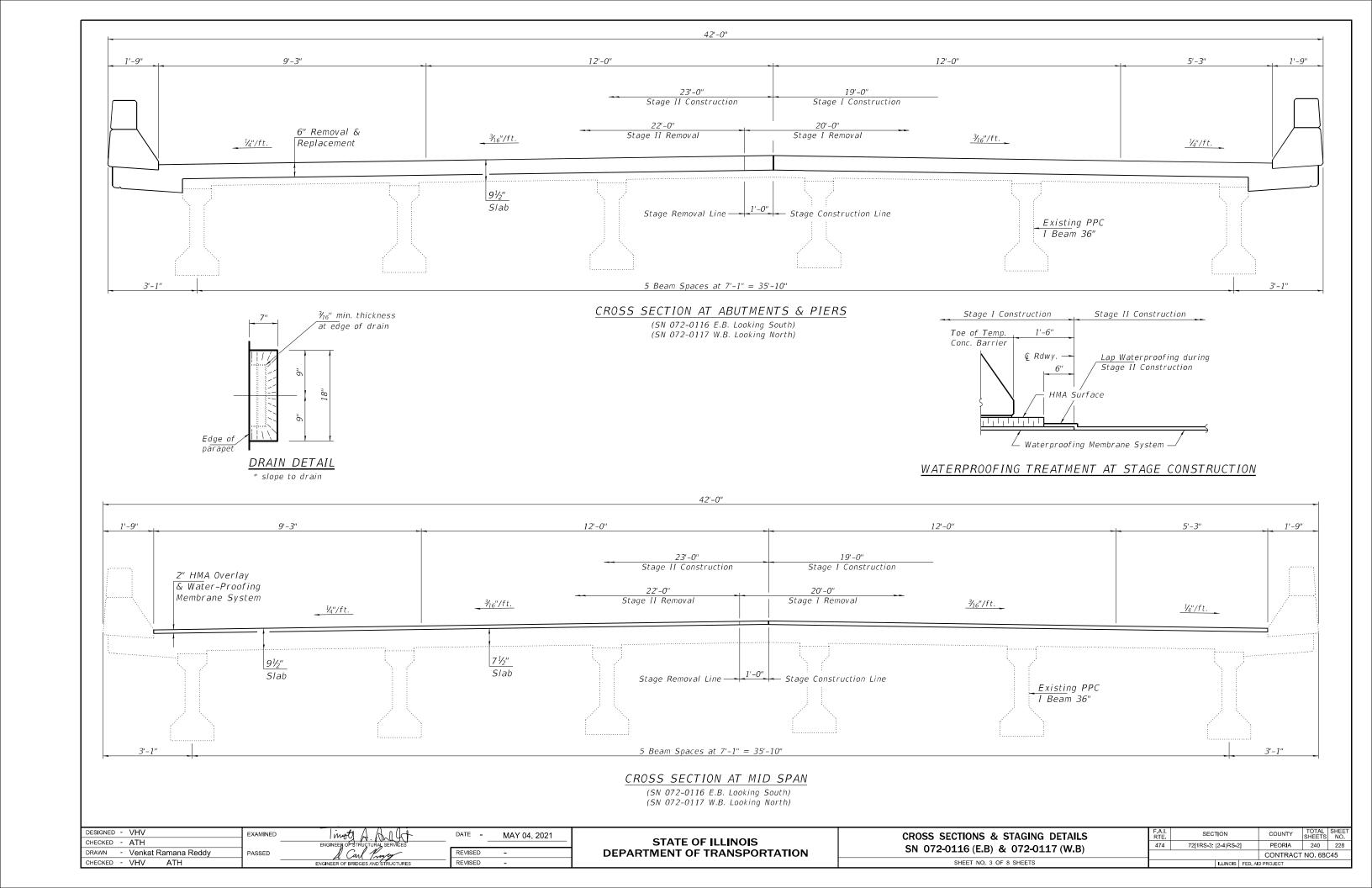
DESIGNED - Victor H. Veliz	EXAMINED	Twy A. Het	DATE -	MAY 04, 2021
CHECKED - Adrian T. Halloway		ENGINEER OF STRUCTURAL SERVICES	· <u></u>	
DRAWN - Venkat Ramana Reddy	PASSED	In Carl Project	REVISED	=
CHECKED - VHV ATH	1	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	-

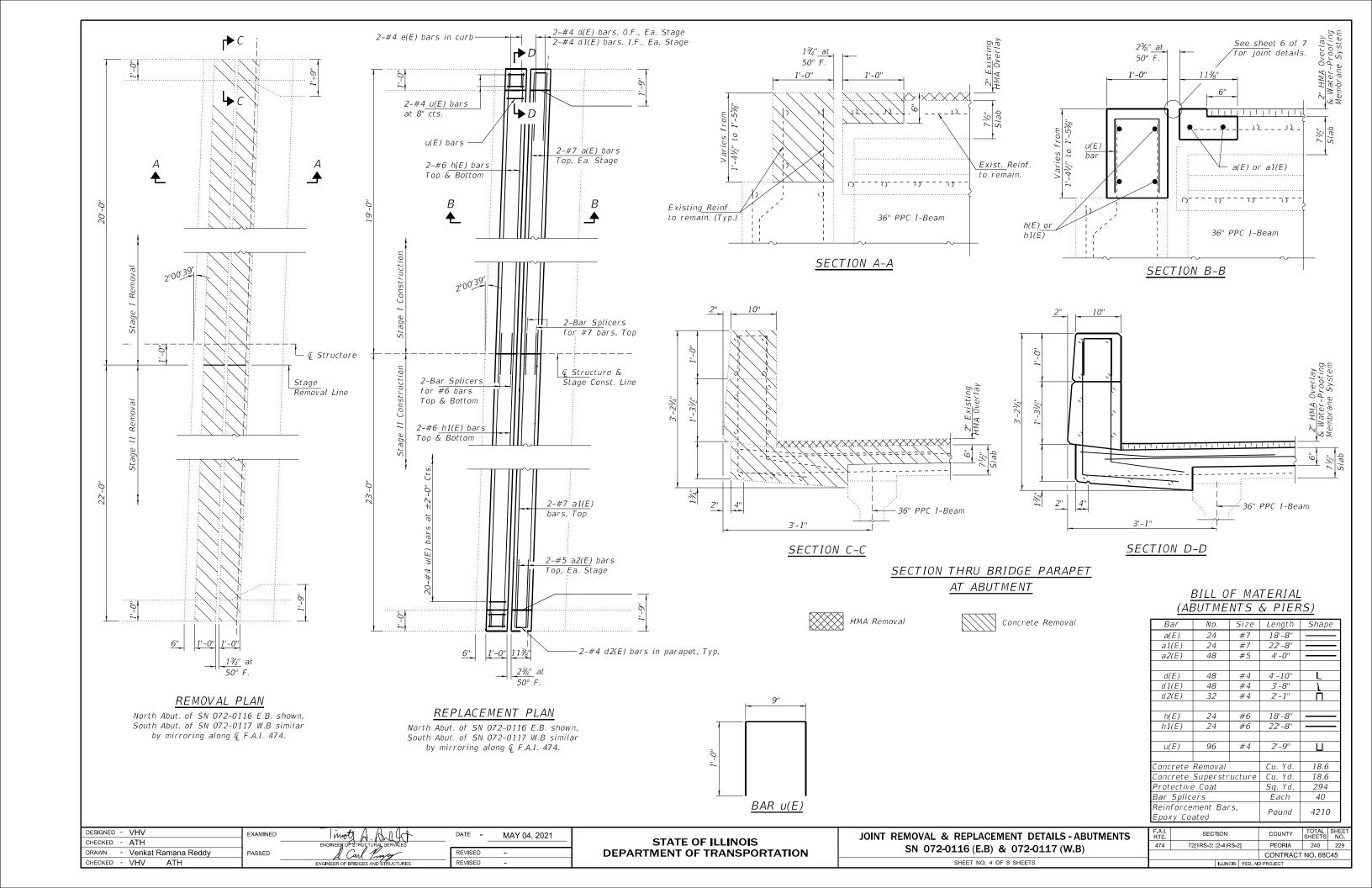
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL PLAN AND ELEVATION
FAI 474 OVER TR 173 POTTSTOWN ROAD SN 072-0116 (E.B) & 072-0117 (W.B)

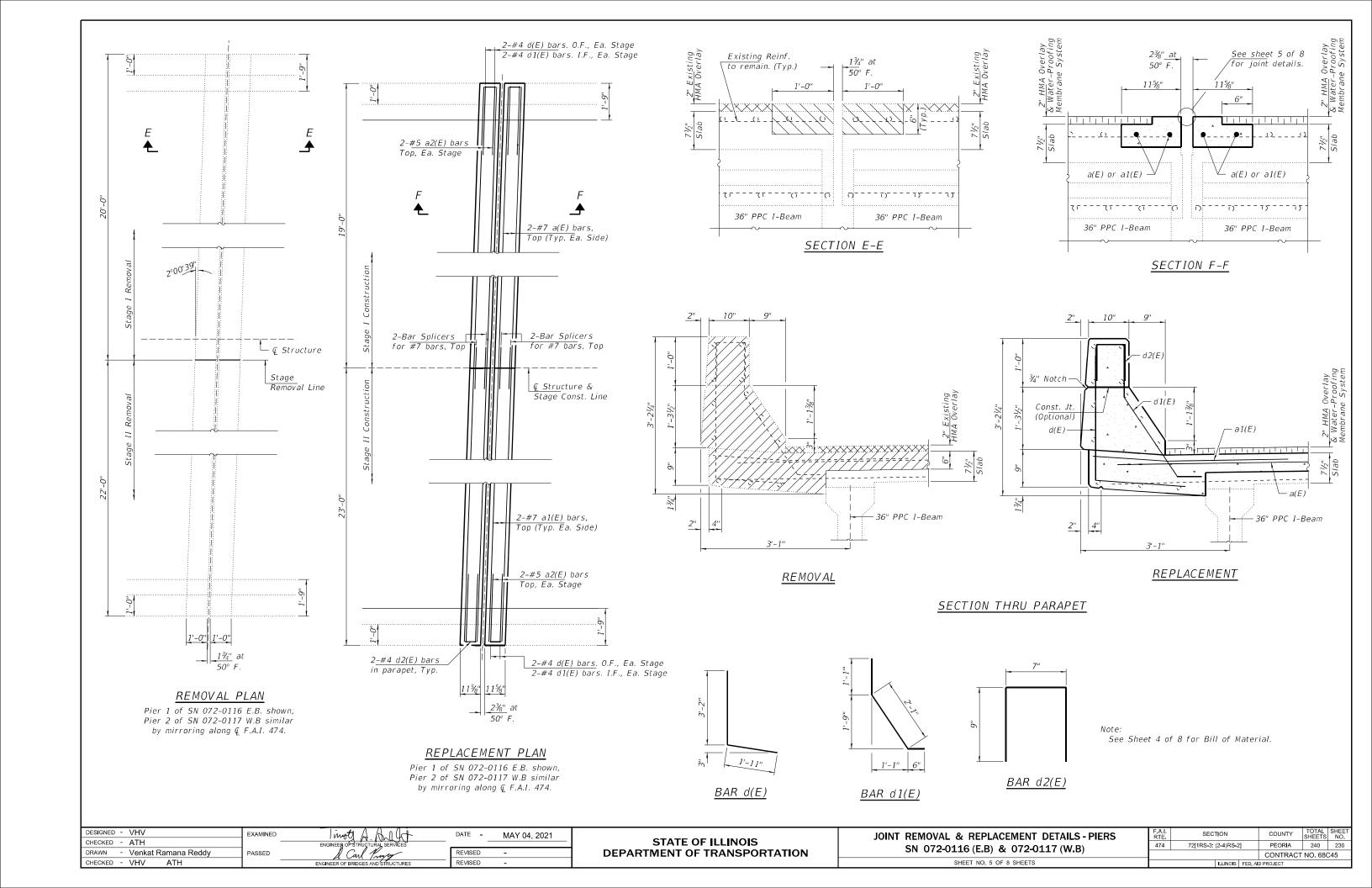
SHEET NO. 1 OF 8 SHEETS

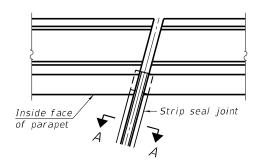
F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.
474	72[1RS-3, (2-4)RS-2	?]	PEORIA	240	226
			CONTRACT	NO. 680	C45
	ILLINOIS	FED. A	D PROJECT		



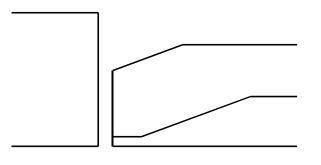




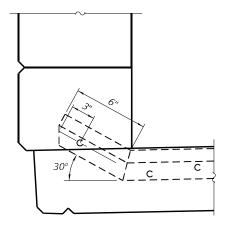




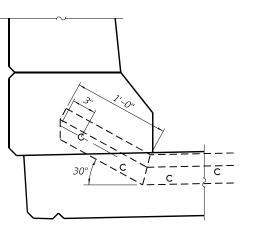
FOR SKEWS ≤ 30° PLAN AT PARAPET



ELEVATION AT PARAPET



PARAPET ELEVATION AT ABUTMENTS $(Skews \le 30^{\circ})$



PARAPET ELEVATION AT PIERS (Skews ≤ 30°)

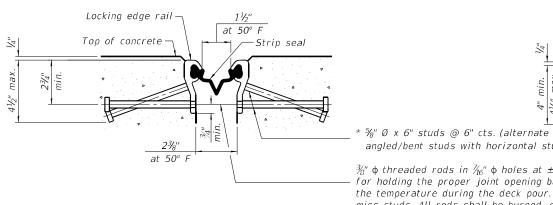
at 50° F

—Strip seal

at 50° F

Locking edge rail-

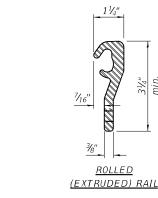
Top of concrete

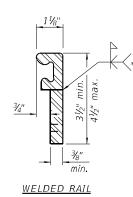


angled/bent studs with horizontal studs) %" ϕ threaded rods in %6" ϕ holes at $\pm 4'$ -0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

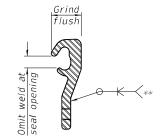
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.





LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications. The Maximum space between locking edge rail segments shall be $\frac{3}{6}$ and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the

according to the manufacturer's recommendation. The manufacturer's recommended installation methods

of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4½" maximum depth provided the anchorage system is revised

rated movement of 4 inches.

shall be followed.

rail splice detail.

length of the bridge approach slab.

LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	336

EJ-SS1 LT30/REPS 2-25-20

DESIGNED - VHV	EXAMINED	I mot A Mal at	DATE -	MAY 04, 2021
CHECKED - ATH		ENGINEER OF STRUCTURAL SERVICES		
DRAWN - Venkat Ramana Reddy	PASSED	A Carl Prayey	REVISED	=
CHECKED - VHV ATH	1	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	-

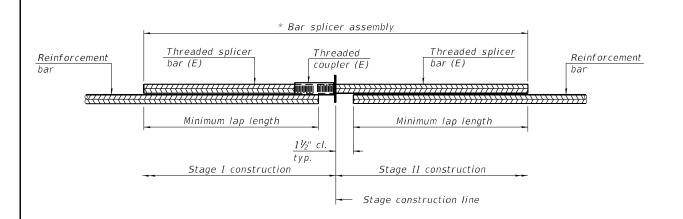
SHOWING ROLLED RAIL JOINT

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL SN 072-0116 (E.B) & 072-0117 (W.B) SHEET NO. 6 OF 8 SHEETS

F.A.I. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.
474	72[1RS-3; (2-4)RS-2]	PEORIA	240	231
			CONTRACT	NO 680	245
	n i nioro	EED 41	D DDG IEGT		

SHOWING WELDED RAIL JOINT



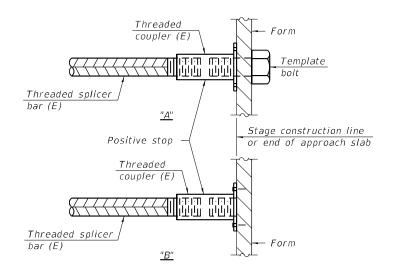
STANDARD BAR SPLICER ASSEMBLY PLAN

(All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + $1\frac{1}{2}$ " + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

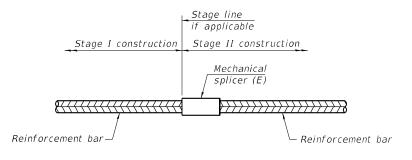
Location	Bar size	No. assemblies required	Minimum lap length
N. & S. Abut. (0116)	#6	8	3'-7"
N. & S. Abut. (0117)	#6	8	3'-7"
Pier 1 & Pier 2 (0116)	#7	8	4'-8"
Pier 1 & Pier 2 (0117)	#7	8	4'-8"
North & South Abut. (0116)	#7	4	4'-8"
North & South Abut. (0117)	#7	4	4'-8"



INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt "B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:

Splicer bars shall be deformed with threaded ends and have a minimum $60\ ksi$ yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements

for reinforcement bars. See Section 508 of the Standard Specifications.

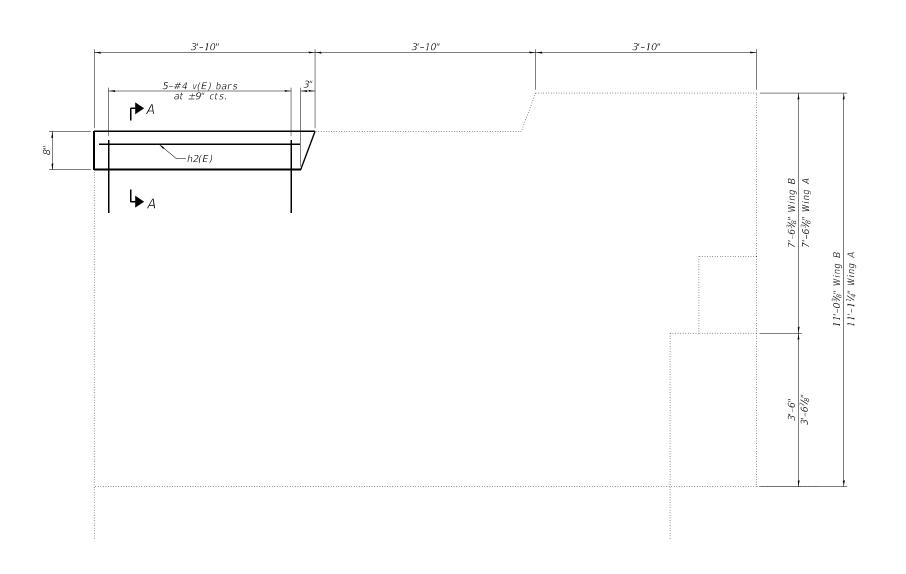
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

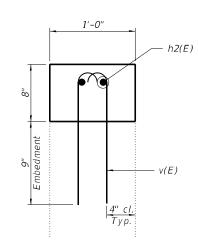
BSD-1

1-1-2020

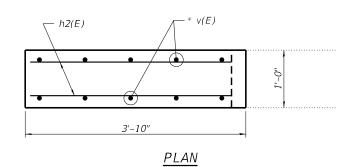
DESIGNED - VHV	EXAMINED	I mot A All Go	DATE -	MAY 04, 2021
CHECKED - ATH		ENGINEER OF STRUCTURAL SERVICES		
DRAWN - Venkat Ramana Reddy	PASSED	d. Carl Prayer	REVISED	=
CHECKED - VHV ATH		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	_

;	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.	
	474	72[1RS-3; (2-4)RS-2]	PEORIA	240	232	
			CONTRACT	NO. 680	C45	
ILLINOIS FED AID PROJECT						



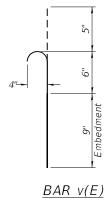


SECTION A-A



* Epoxy grout v(E) bars in 9" min. holes according to Article 584 of the Standard Specs.

ELEVATION



BILL OF MATERIAL (8 Locations)

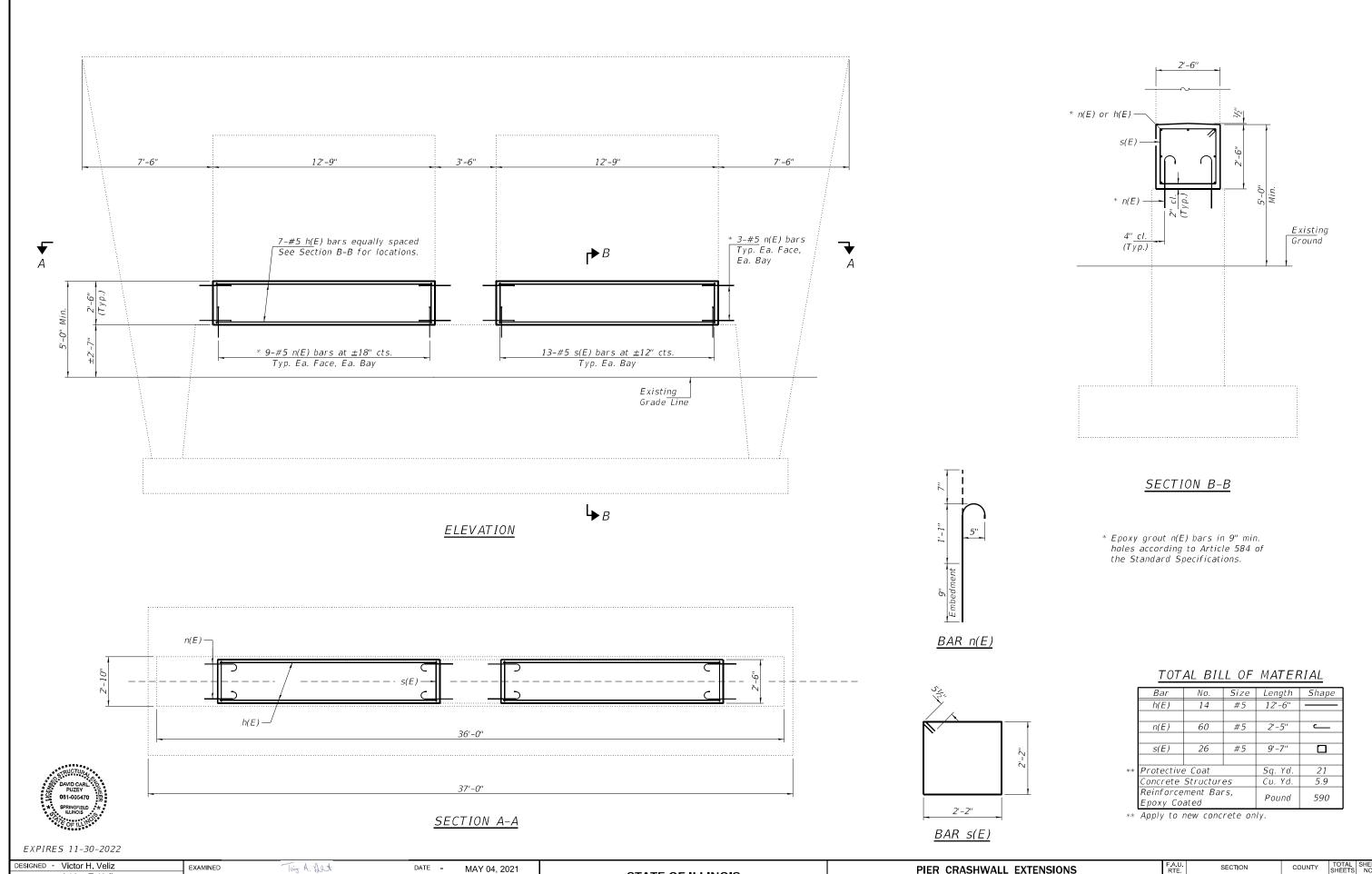
Bar	No.	Size	Length	Shape	
h2(E)	16 #5		3'-6"		
v(E)	80	#4	1'-8"		
Concrete	Superstr	Cu. Yd.	0.8		
Reinforce Epoxy Co		Pound	150		

DESIGNED - VHV	EXAMINED	I mot A A I Ch	DATE -	MAY 04, 2021
CHECKED - ATH		ENGINEER OF STRUCTURAL SERVICES		
DRAWN - Venkat Ramana Reddy	PASSED	d. Carl Princy	REVISED	
CHECKED - V/H// ATH	1	51011550 05 0010050 110 07511050	DEVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINGWALL MODIFICATIONS							
SN	072-0116 (E.B) & 072-0117 (W.B)						
	SHEET NO. 8 OF 8 SHEETS						

F.A.I. RTE	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
474	72[1RS-3; (2-4)RS-2]			PEORIA	240	233
			CONTRACT NO. 68C45			
	ILL NIGHT SEED, AND DEDUCEDE					



CHECKED - Adrian T. Halloway

CHECKED - VHV ATH

DRAWN - Venkat Ramana Reddy

ENGINEER OF STRUCTURAL SERVICES

REVISED

PASSED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER CRASHWALL EXTENSIONS
SN 072 - 0118

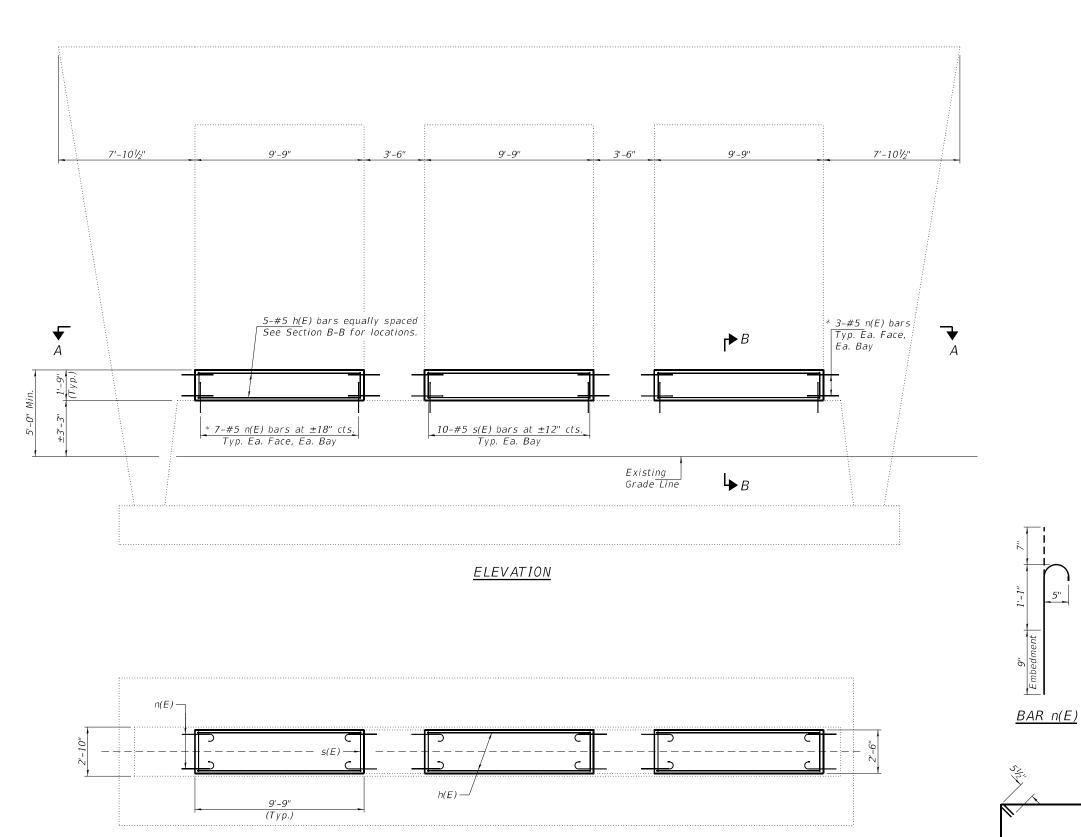
PIER CRASHWALL EXTENSIONS
SN 072 - 0118

SHEET NO. 1 OF 1 SHEETS

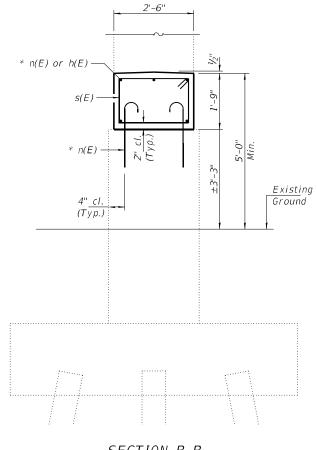
SHEET NO. 1 OF 1 SHEETS

FA.U. SECTION COUNTY TOTAL SHEETS NO. 6659 72[IRS-3; (2-4)RS-2] PEORIA 240 234

CONTRACT NO. 68C45



SECTION A-A



SECTION B-B

* Epoxy grout n(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.

TOTAL BILL OF MATERIAL

Pay Item	Unit	Value
Protective Coat	Sq. Yd.	39
Concrete Structures	Cu. Yd.	9.2
Reinforcement Bars, Epoxy Coated	Pound	1190

2'-2"

BAR s(E)

BILL OF MATERIAL 072-0119

	DILL OF MATERIAL 0/2-0119								
1	Bar	No.	Size	Length	Shape				
ı	h(E)	15	#5	9'-5"					
ı									
ı	n(E)	78	#5	2'-5"	<u>_</u>				
ı									
	s(E)	30	#5	8'-1''					
ı									
1	Protective			Sq. Yd.	20				
ı	Concrete		Cu. Yd.	4.8					
	Reinforce Epoxy Co		5,	Pound	600				

** Apply to new concrete only.

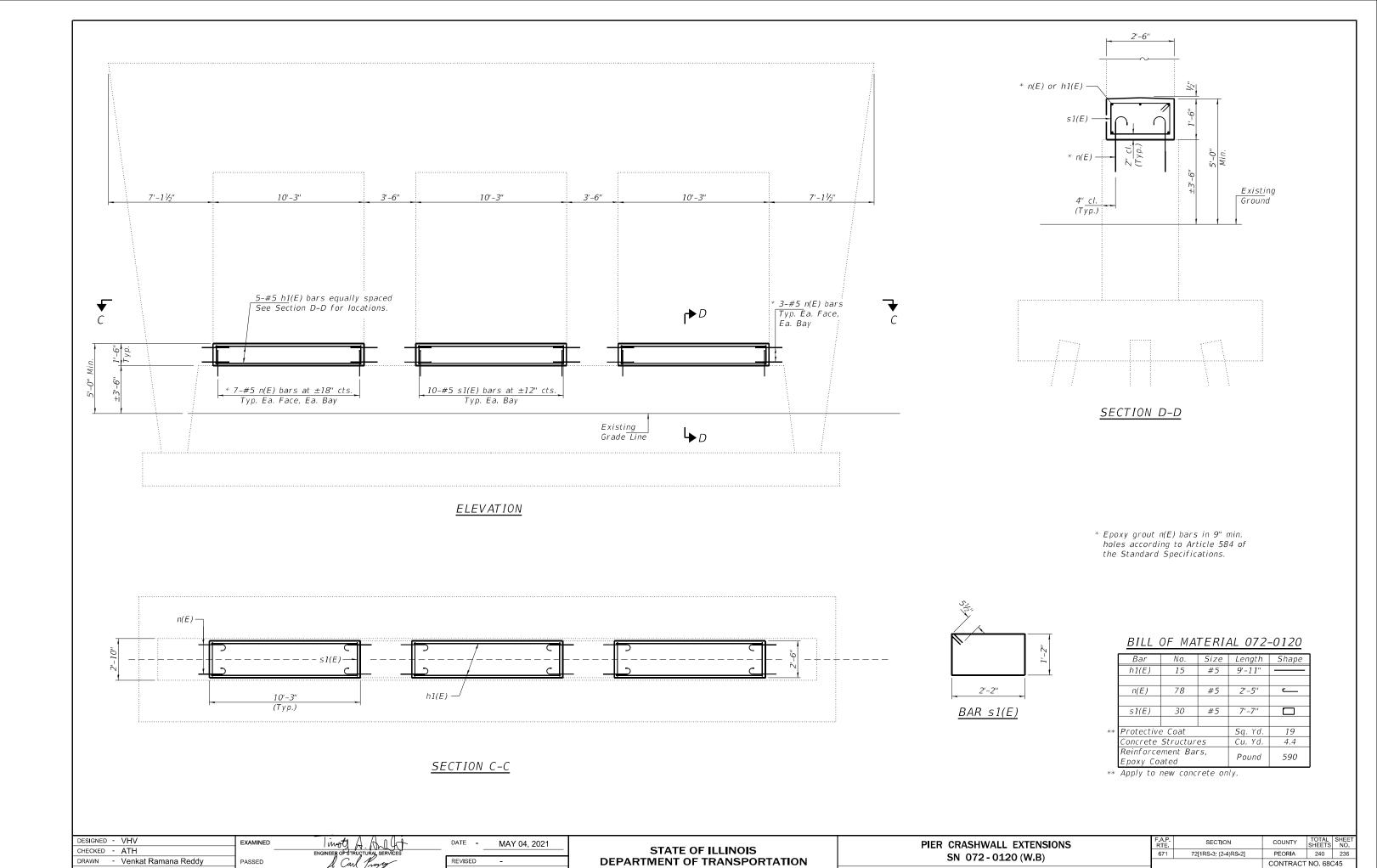
EXPIRES 11-30-2022

DESIGNED -	Victor H. Veliz	EXAMINED	Tring A. Det	DATE -	MAY 04, 2021
CHECKED -	Adrian T. Halloway		ENGINEER OF STRUCTURAL SERVICES		
DRAWN -	Venkat Ramana Reddy	PASSED	De Corl Prong	REVISED	-
CHECKED -	VHV ATH	1 .	ENGINEER OF RRINGES AND STRUCTURES	REVISED	_

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PIER CRASHWALL EXTENSIONS SN 072-0119 SHEET NO. 1 OF 2 SHEETS

A.P. TE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.					
71	72[1RS-3; (2-4)RS-2	2]	PEORIA	240	235					
CONTRACT NO. 68C45										
	Li Nicio Esp. 110 ppo escr									



DRAWN - Venkat Ramana Reddy

CHECKED - VHV ATH

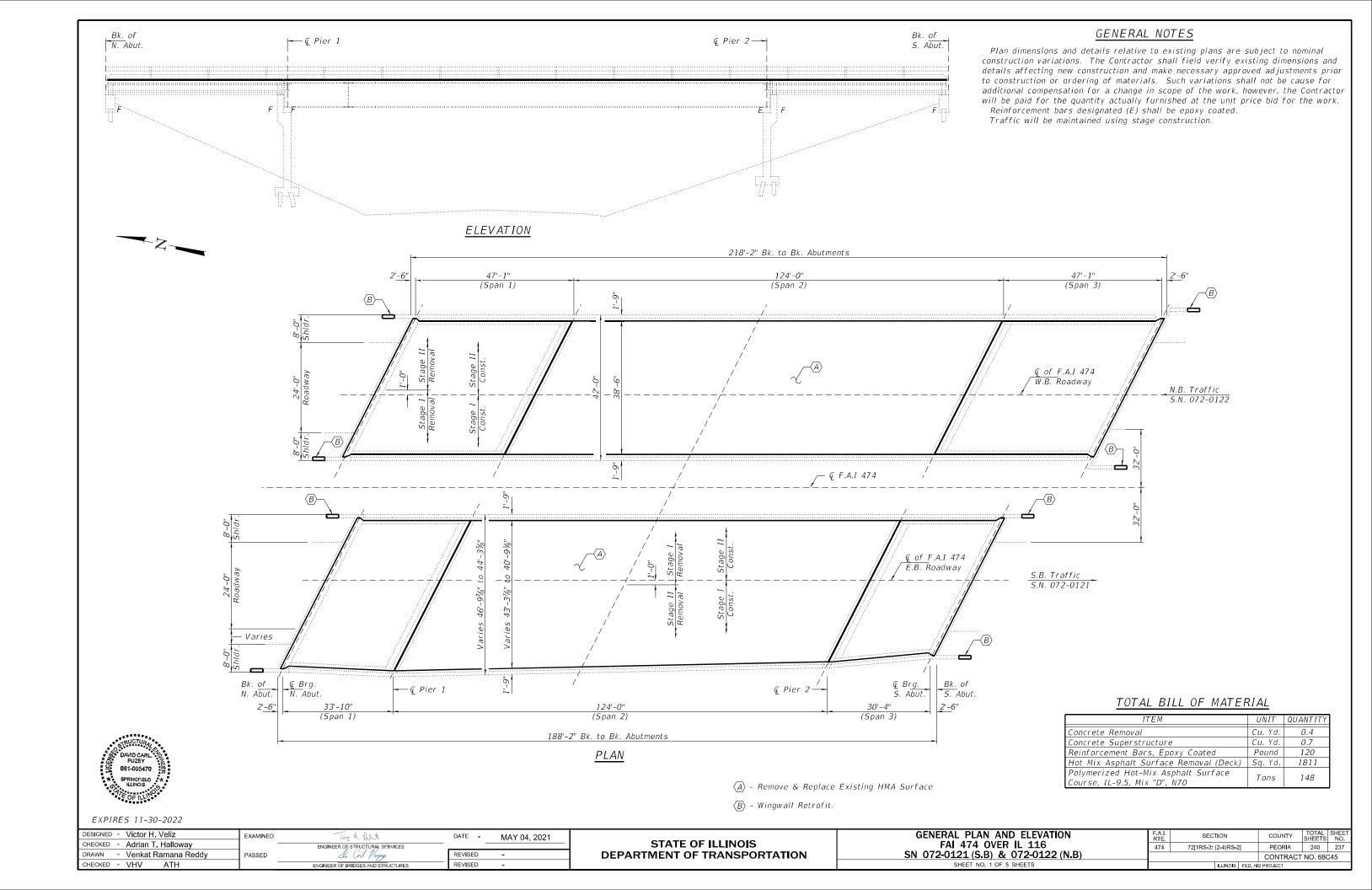
PASSED

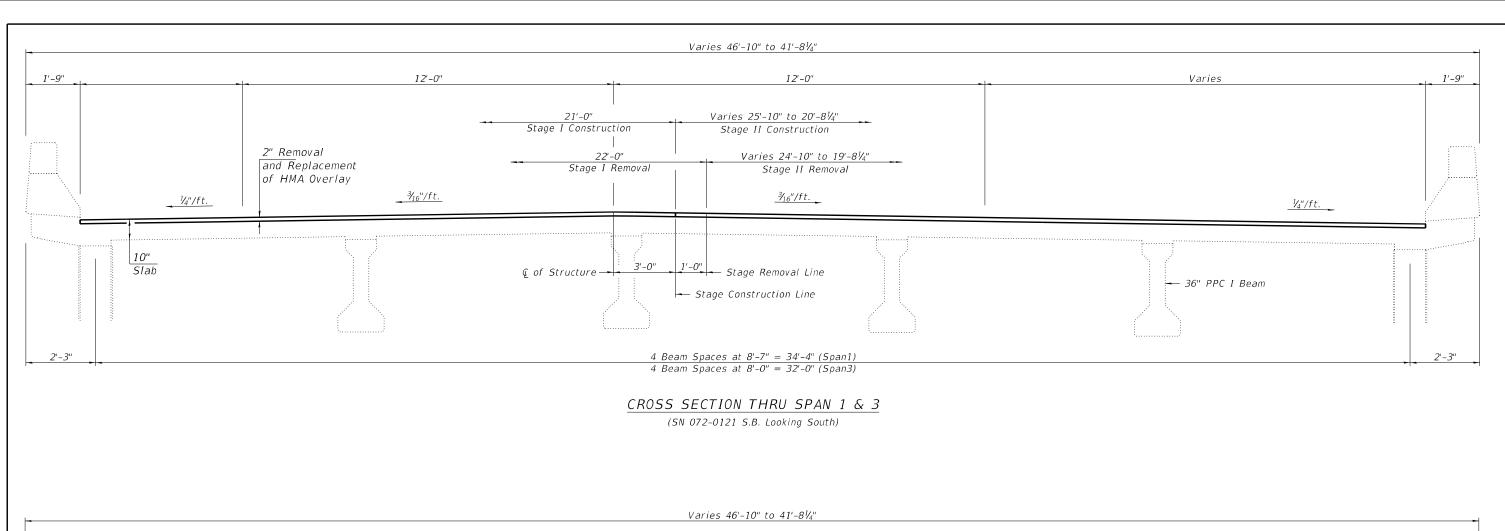
REVISED

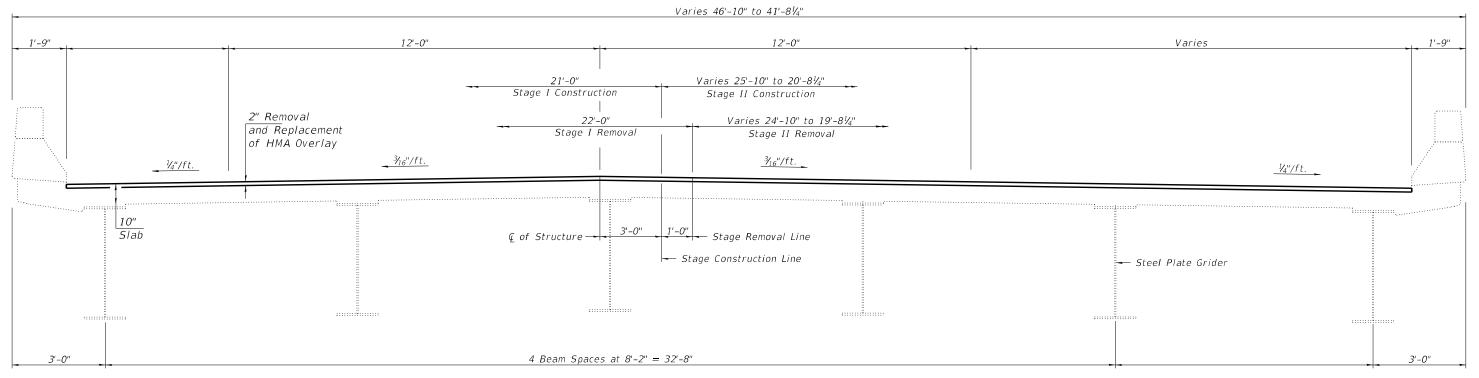
SN 072 - 0120 (W.B)

SHEET NO. 2 OF 2 SHEETS

CONTRACT NO. 68C45



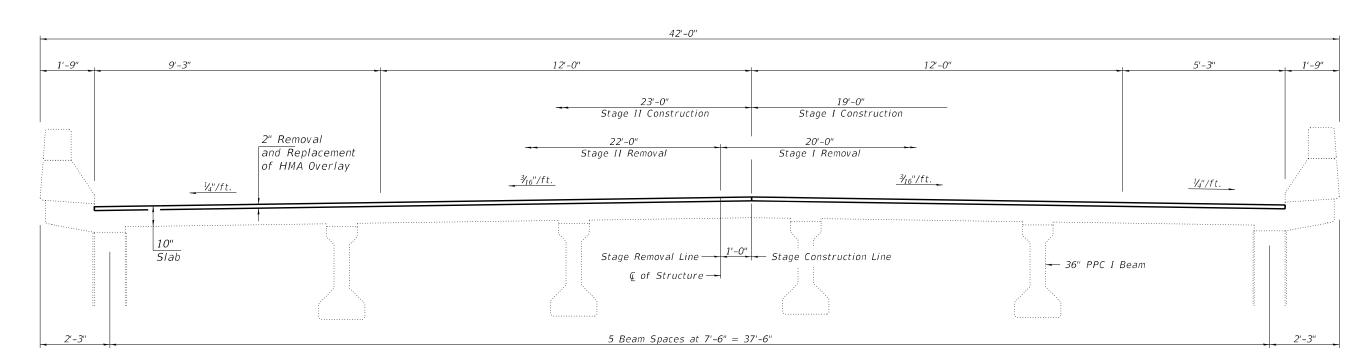




CROSS SECTION THRU SPAN 2

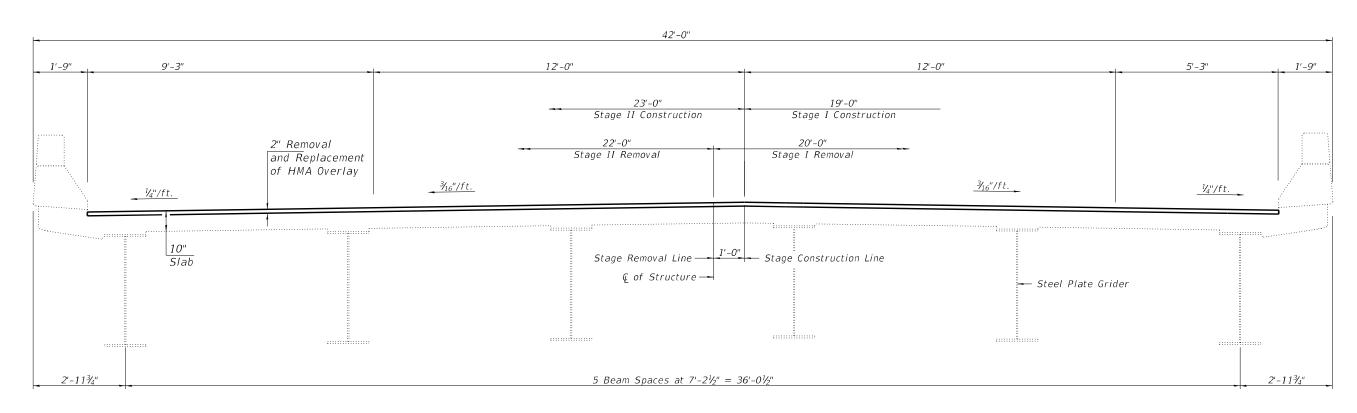
(SN 072-0121 S.B. Looking South)

DE	SIGNED - VHV	EXAMINED	I mot A Mal at	DATE - MAY 04, 2021		CROSS SECTIONS & STAGING DETAILS	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEE	žΤ.
C⊦	ECKED - ATH		ENGINEER OF STRUCTURAL SERVICES		STATE OF ILLINOIS	SN 072-0121 (S.B)	474	72[1RS-3; (2-4)RS-2]	PEORIA	240 238	3
DF	,	PASSED	& Carl Prayey	REVISED -	DEPARTMENT OF TRANSPORTATION	314 072-0121 (3.b)			CONTRAC	CT NO. 68C45	
CH	ecked - VHV ATH		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		SHEET NO. 2 OF 5 SHEETS		ILLINOIS FED.	AID PROJECT		_



CROSS SECTION THRU SPAN 1 & 3

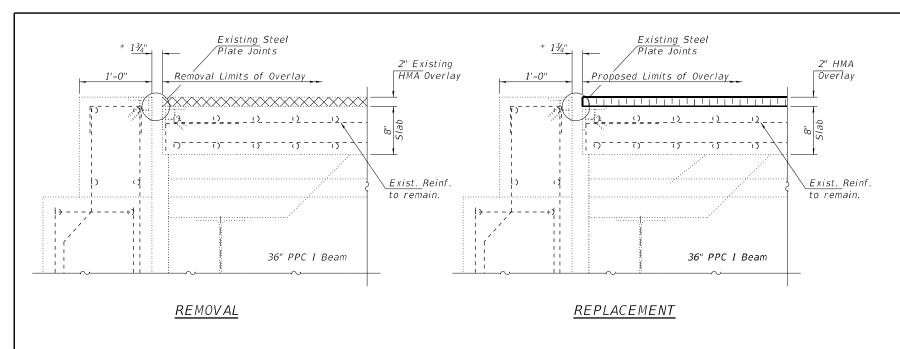
(SN 072-0122 N.B. Looking South)



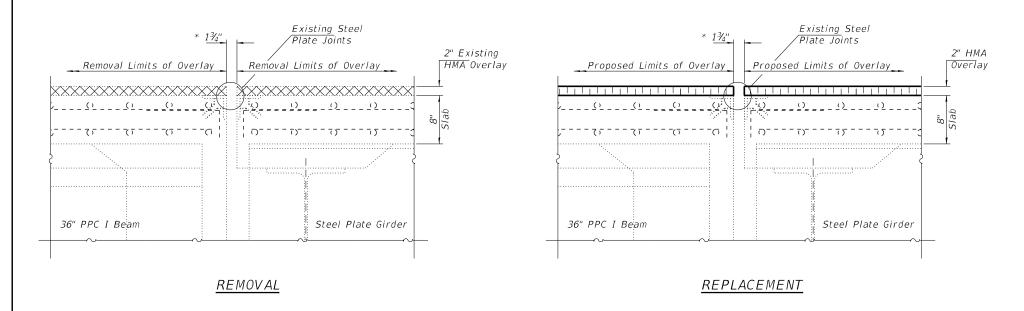
CROSS SECTION THRU SPAN 2

(SN 072-0122 N.B. Looking South)

Ī	DESIGNED - VHV	EXAMINED	Imot A. All It	DATE - MAY 04, 2021	CTATE OF U. INIOIC	CROSS SECTIONS & STAGING DETAILS	F.A.I. RTE	SECTION	COUNTY	TOTAL SHI SHEETS N	IO.
-	CHECKED - ATH DRAWN - Venkat Ramana Reddy	PASSED	ENGINEER OF STRUCTURAL SERVICES	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	072-0122 (N.B)	474	72[1RS-3; (2-4)RS-2]	PEORIA		239
ľ	CHECKED - VHV ATH	1 -	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		SHEET NO. 3 OF 5 SHEETS	1	ILLINOIS FED. AI	D PROJECT	110.00043	_

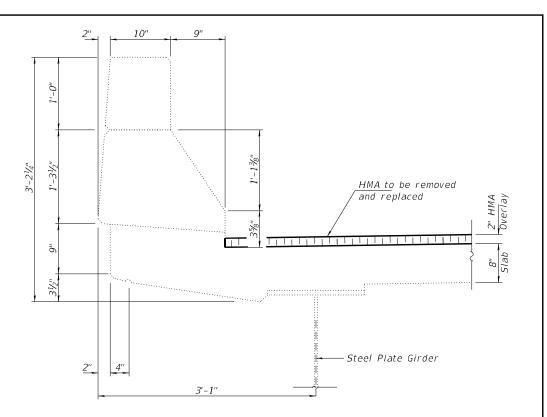


SECTION THRU ABUTMENT JOINT

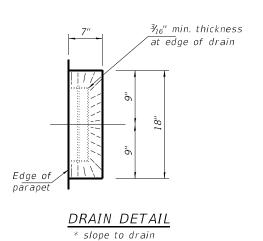


SECTION THRU ABUTMENT JOINT

* Contractor must exercise extreme care not to damage the existing Joints during HMA Removal Operations. Any damage done to the Joints is to be repaired, to the satisfaction of the engineer, at the contractor's expense.

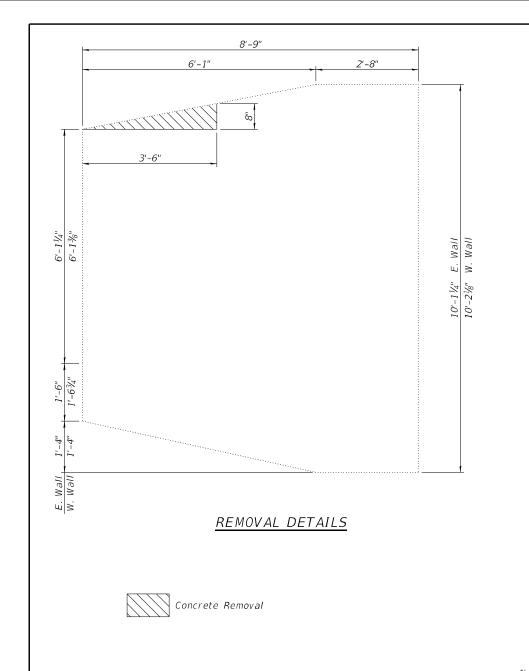


SECTION THRU PARAPET

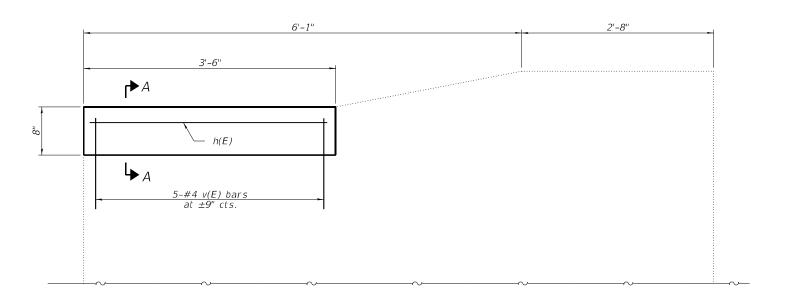


DESIGNED - VHV	EXAMINED	mot A Mallut	DATE -	MAY 04, 2021
CHECKED - ATH		ENGINEER OF STRUCTURAL SERVICES		
DRAWN - Venkat Ramana Reddy	PASSED	& Carl Prayey	REVISED	=
CHECKED - VHV ATH		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	-

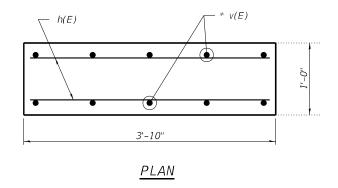
F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
474	72[1RS-3; (2-4)RS-2]	PEORIA	240	240	
			CONTRACT	NO. 680	245
	ILLINOIS F	D PROJECT			



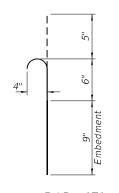




PROPOSED ELEVATION



* Epoxy grout v(E) bars in 9" min. holes according to Article 584 of the Standard Specs.



BAR v(E)

BILL OF MATERIAL (8 Locations)

Bar	No.	Size	Length	Shape
h(E)	16	#5	3'-2"	
v(E)	80	#4	1'-8"	
Concrete	Removal		Cu. Yd.	0.4
Concrete	Superstr	ucture	Cu. Yd.	0.7
Reinforce	ment Bar	Pound	120	
Epoxy Co.	ated	Found	120	

SECTION A-A

FYPIRES	11-30-2022
EAPIRES	11-30-2022

DESIGNED - VHV	EXAMINED	I mot A Mal at	DATE -	MAY 04, 2021
CHECKED - ATH		ENGINEER OF STRUCTURAL SERVICES		
DRAWN - Venkat Ramana Reddy	PASSED	& Carl Princer	REVISED	-
CHECKED - VHV ATH	1	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

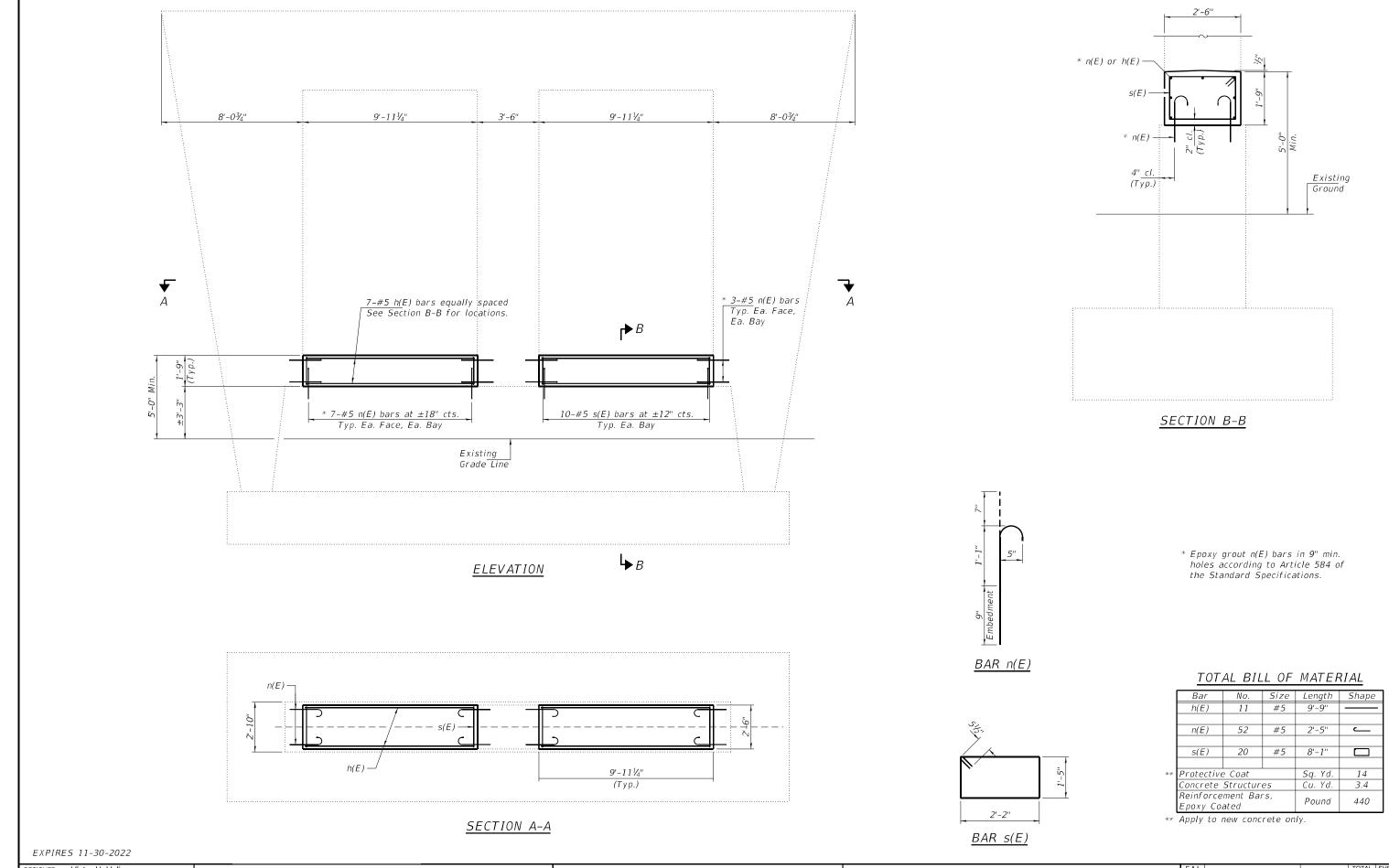
WINGWALL MODIFICATIONS
SN 072-0121 (S.B) & 072-0122 (N.B)

SHEET NO. 5 OF 5 SHEETS

 F.A.I. RTE.
 SECTION
 COUNTY SHEETS NO.
 TOTAL SHEETS NO.

 474
 72[1RS-3; (2-4)RS-2]
 PEORIA
 240
 240A

 CONTRACT NO. 68C45



DESIGNED - Victor H. Veliz EXAMINED SECTION DATE -MAY 04, 2021 PIER CRASHWALL EXTENSIONS STATE OF ILLINOIS CHECKED - Adrian T. Halloway ENGINEER OF STRUCTURAL SERVICES 474 72[1RS-3; (2-4)RS-2] PEORIA 240 240B SN 072-0123 **DEPARTMENT OF TRANSPORTATION** DRAWN - Venkat Ramana Reddy PASSED REVISED CONTRACT NO. 68C45 CHECKED - VHV ATH SHEET NO. 1 OF 1 SHEETS

ℚ Brg. N. Abut. ⊈ Pier 1 — @ Pier 2 — ELEVATION 186'-6" Bk. to Bk. Abutments 2'-6" 53'-0" 75'-6" 53'-0" 2'-6" (Span 1) (Span 2) (Span 3) <u>E</u> 12°08'14" Q of F.A.I 474 W.B. Roadway W.B. Traffic S.N. 072-125 DA-— @ F.A.I 474 $-\langle E \rangle$ © of F.A.I 474 E.B. Roadway E.B. Traffic S.N. 072-0124 Bk. of ⊈ Brg. j S. Abut. Bk. of ℚ Brg. @ Pier 1-@ Pier 2-N. Abut. N. Abut. S. Abut. 2'-6" 53'-0" 75'-6" 2'-6" 53'-0" (Span 1) (Span 3) (Span 2) 186'-6" Bk. to Bk. Abutments PLAN

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Reinforcement bars designated (E) shall be epoxy coated.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than

Traffic will be maintained using stage construction.
The new concrete shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructures.

New bearing plates, steel extensions, shim plates, side retainers, anchor bolts, connection bolts, nuts and washers shall be galvanized according to AASHTO M111 or M232 as applicable.

- $\langle A \rangle$ Remove existing Neoprene Joints and Install New Preformed Joint Strip Seal.
- B Deck Patching, Estimated quantity, Size and location of the patches is to be determined in the field by the Engineer and documented on sheet 2 of 10.
- $\langle C \rangle$ Remove & Replace Existing HMA Surface & Waterproofing Membrane System
- Remove Existing Abutment Bearings and Install New Elastomeric Bearings, Type I
- $\langle E \rangle$ Wingwall Retrofit.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	0.4
Concrete Superstructure	Cu. Yd.	14.3
Concrete Removal	Cu. Yd.	13.9
Preformed Joint Strip Seal	Foot	172
Reinforcement Bars, Epoxy Coated	Pound	2040
Waterproofing Membrane System	Sq. Yd.	1557
Elastomeric Bearing Assembly Type I	Each	24
Jack and Remove Existing Bearings	Each	24
Anchor Bolts 1"	Each	48
Furnishing and Erecting Structural Steel	Pound	3585
Bar Splicers	Each	24
Deck Slab Repair (Partial)	Sq. Yd.	62
Protective Coat	Sq. Yd.	50.1
Hot Mix Asphalt Surface Removal (Deck)	Sq. Yd.	1548
Polymerized Hot-Mix Asphalt Surface Course, IL-9.5, Mix "D", N70	Tons	127

* Apply to new concrete only.

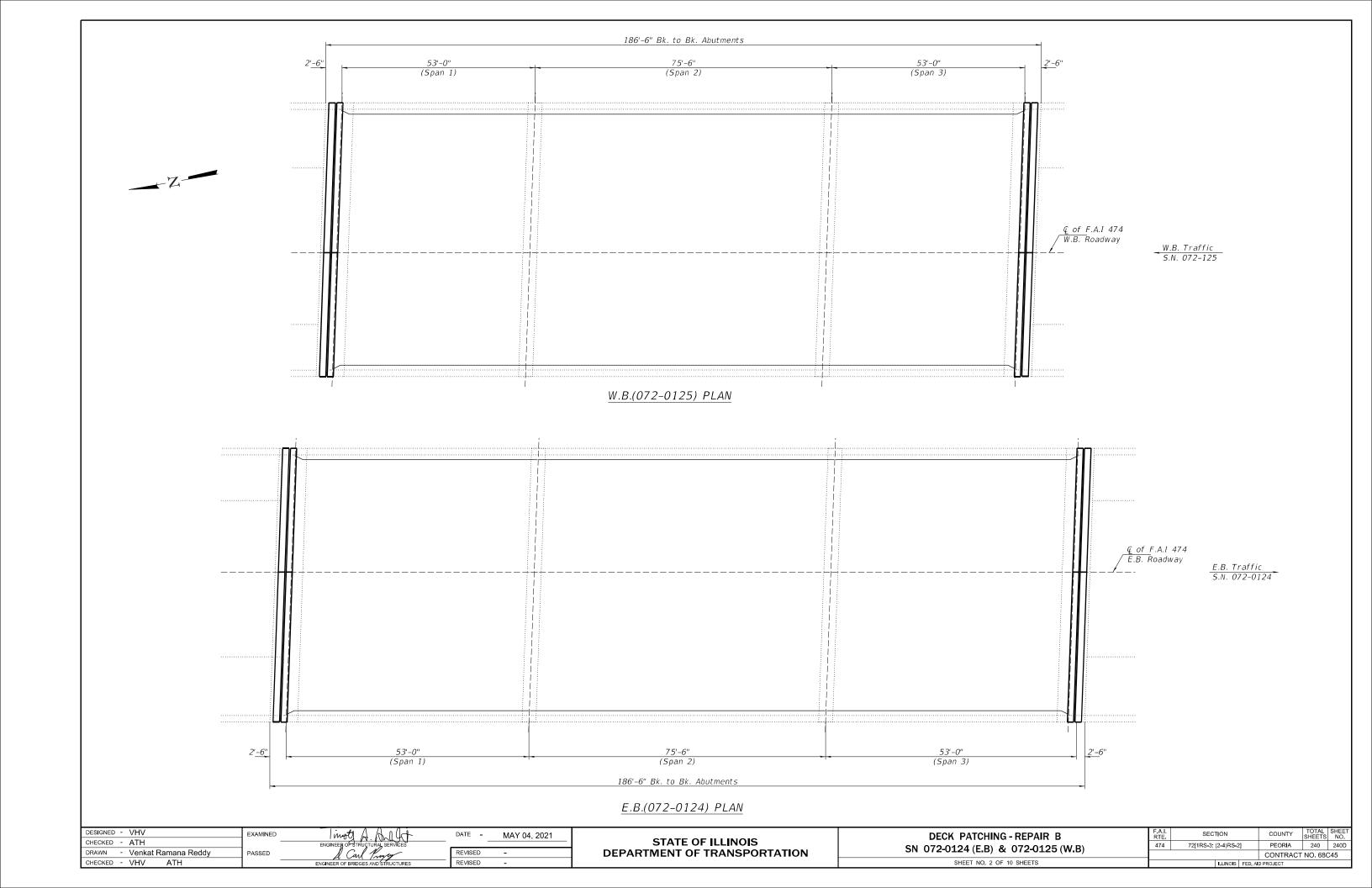
EXPIRES 11-30-2022

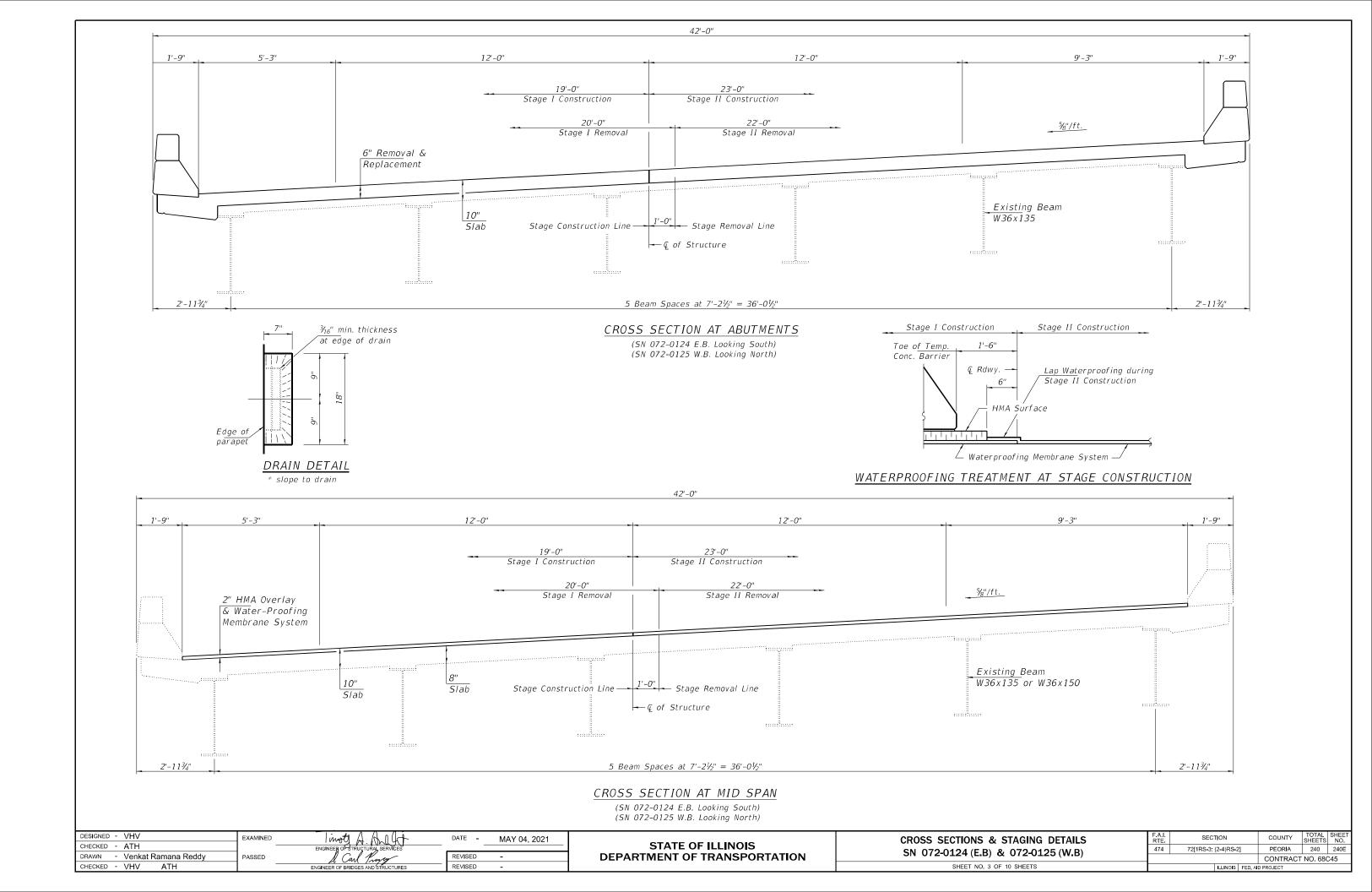
DESIGNED - Victor H. Veliz MAY 04, 2021 EXAMINED Tring A. Alat DATE -CHECKED - Adrian T. Halloway ENGINEER OF STRUCTURAL SERVICES DRAWN - Venkat Ramana Reddy PASSED REVISED So Carl Por CHECKED - VHV ATH

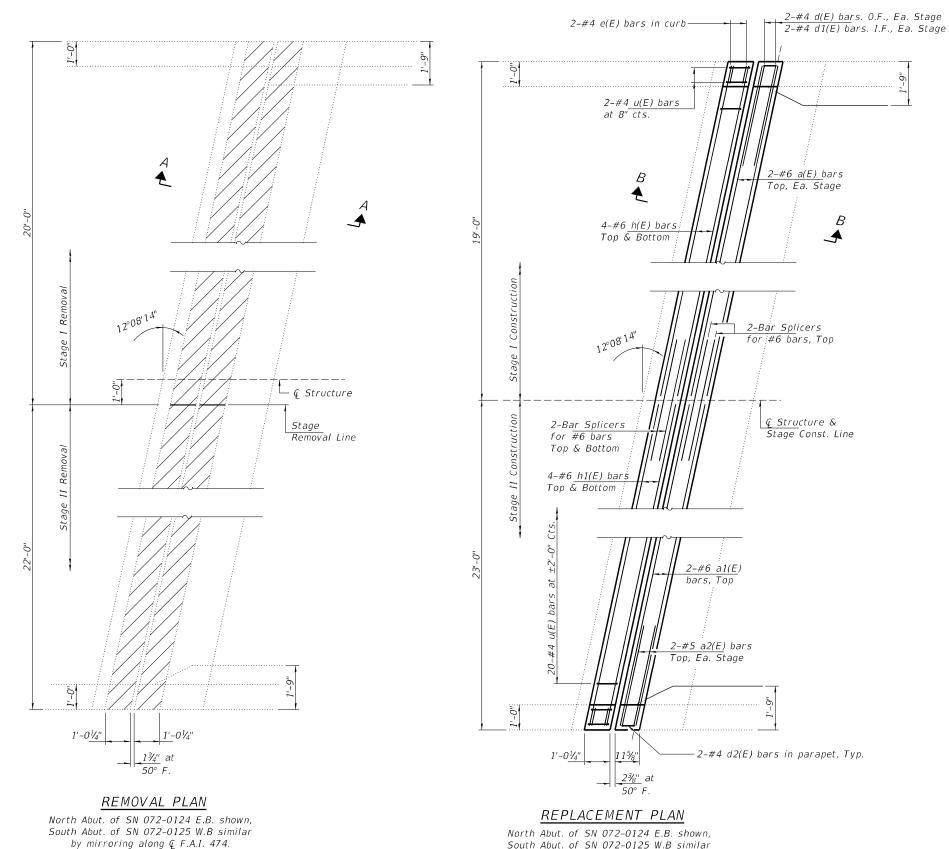
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION FAI 474 OVER ABANDONED UPRR SN 072-0124 (E.B) & 072-0125 (W.B) SHEET NO. 1 OF 10 SHEETS

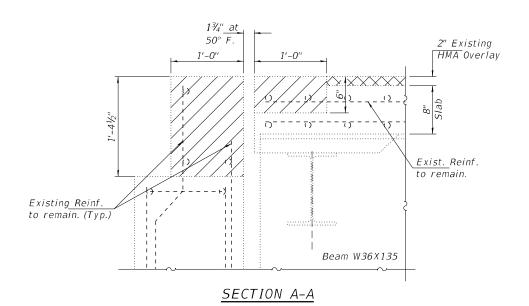
TOTAL SHEE SHEETS NO. SECTION COUNTY 474 72[1RS-3; (2-4)RS-2] PEORIA 240 2400 CONTRACT NO. 68C45

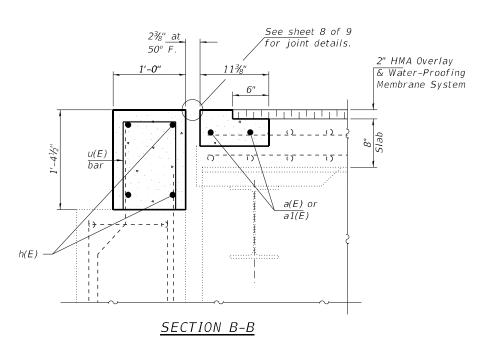






South Abut. of SN 072-0125 W.B similar by mirroring along & F.A.I. 474.





See sheet 5 of 10 for Section Thru Bridge Parapet, Bill of Material and reinforcement bending diagrams . Hatched areas indicate Concrete Removal.

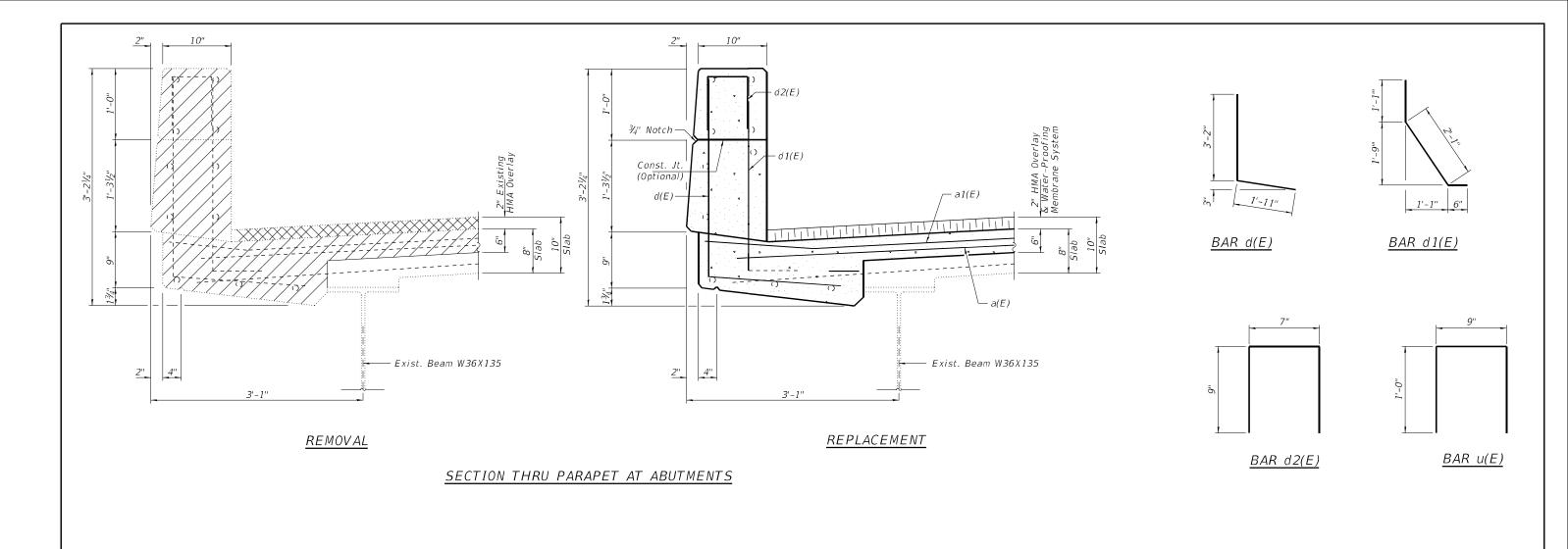
DESIGNED -	VHV	EXAMINED	mot A Mallet	DATE -	MAY 04, 2021
CHECKED -	ATH		ENGINEER OF STRUCTURAL SERVICES		
DRAWN -	Venkat Ramana Reddy	PASSED	d Carl Prayer	REVISED	=
CHECKED -	VHV ATH		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	-

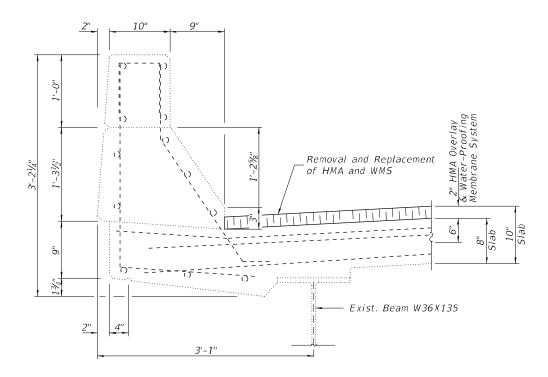
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

1

JOINT REMOVAL & REPLACEMENT DETAILS - ABUTMENTS SN 072-0124 (E.B) & 072-0125 (W.B) SHEET NO. 4 OF 10 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
474	72[1RS-3; (2-4)RS-2]	PEORIA	240	240F	
			CONTRACT	NO 680	C45
	ILLINOIS	FED AL	D PROJECT		





SECTION THRU BRIDGE PARAPET

DESIGNED - VHV	EXAMINED	I mot A. All It	DATE -	MAY 04, 2021
CHECKED - ATH		ENGINEER OF STRUCTURAL SERVICES		
DRAWN - Venkat Ramana Reddy	PASSED	d. Carl Prayer	REVISED	-
CHECKED - VHV ATH]	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	_

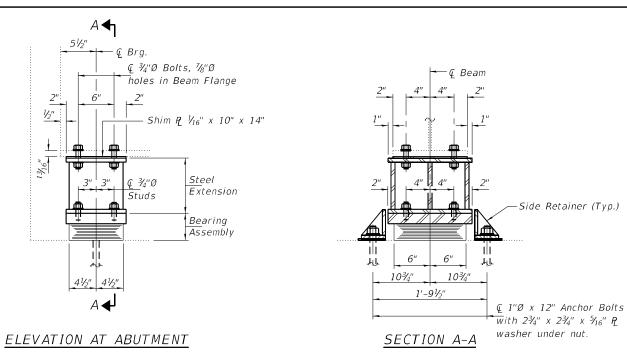
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

JOINT REMOVAL & REPLACEMENT DETAILS - ABUTMENTS				
SN 072-0124 (E.B) & 072-0125 (W.B)				
SHEET NO. 5 OF 10 SHEETS				

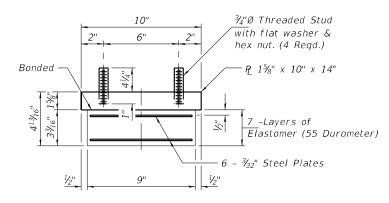
F.A.I. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
474	72[1RS-3; (2-4)RS-2	PEORIA	240	240G	
			CONTRACT	NO 680	245
	ILLINOIS	FED. A	D PROJECT		

BILL OF MATERIAL

=	JILL U		LINIAL	-
Bar	No.	Size	Length	Shape
a(E)	8	#6	18'-8''	
a1(E)	8	#6	22'-8''	
a2(E)	16	#5	4'-0''	
d(E)	16	#4	4'-10''	L
d1(E)	16	#4	3'-8''	
d2(E)	16	#4	2'-1"	П
h(E)	16	#6	18'-8''	
h1(E)	16	#6	22'-8''	
u(E)	96	#4	2'-9"	□□
Concrete	Removal		Cu. Yd.	13.4
Concrete	Superstr	ucture	Cu. Yd.	13.4
Protective Coat			Sq. Yd.	44
Bar Splicers			Each	24
Reinforce Epoxy Co		·s,	Pound	1850

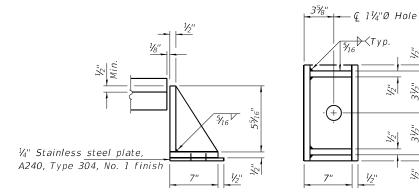


TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

Shim plates shall not be placed under Bearing Assembly.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BEAM REACTIONS

R₽	(K)	24.4
R Ł	(K)	39.7
Imp.	(K)	13.1
R (Total)	(K)	77.2

Notes:

Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.

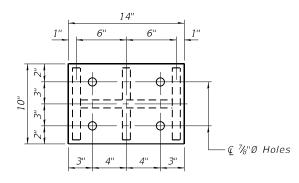
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.

Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).

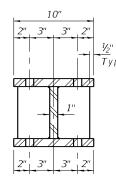
Min. jack capacity = 38 Tons. Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

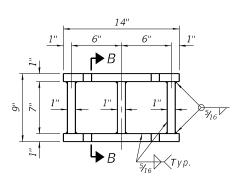
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Cost of Side retainers and Stainless Steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.



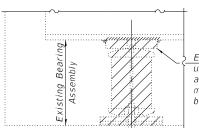
PLAN TOP AND BOTTOM PLATE





SECETION B-B

STEEL EXTENSION DETAIL



Existing IP to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange.

Burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolt smooth and seal with epoxy.

EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	12
Jack and Remove Existing Bearings	Each	12
Furnishing and Erecting Structural Steel	Pound	1875
Anchor Bolts, 1"Ø	Each	24

TYI/REPS 5-17-2018

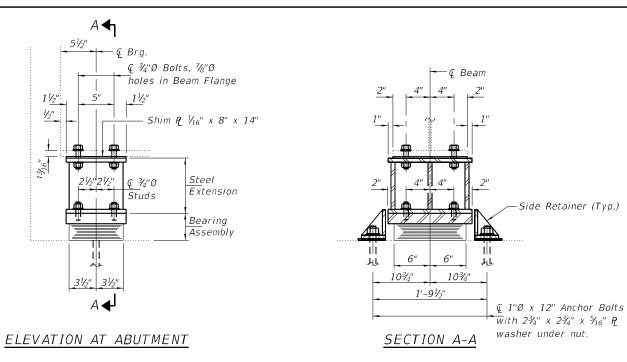
DESIGNED -	- VHV	EXAMINED	Imot A All Co	DATE -	MAY 04, 2021
CHECKED -	- ATH		ENGINEER OF STRUCTURAL SERVICES		
DRAWN -	 Venkat Ramana Reddy 	PASSED	& Carl Proper	REVISED	=
CHECKED -	- VHV ATH	-	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	_

STATE OF ILLINOIS

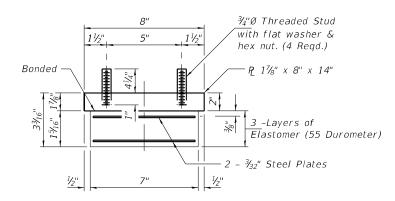
NORTH ABUTMENT BEARING DETAILS SN 072-0124 (E.B) & 072-0125 (W.B) SHEET NO. 6 OF 10 SHEETS

SECTION COUNTY 474 72[1RS-3; (2-4)RS-2] PEORIA 240 240H CONTRACT NO. 68C45

DEPARTMENT OF TRANSPORTATION

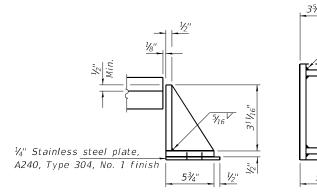


TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

Shim plates shall not be placed under Bearing Assembly.



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BEAM REACTIONS

R₽	(K)	24.4
R Ł	(K)	39.7
Imp.	(K)	13.1
R (Total)	(K)	77 2

Notes:

Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.

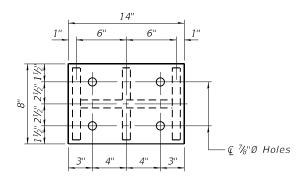
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.

Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).

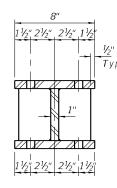
Min. jack capacity = 38 Tons. Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

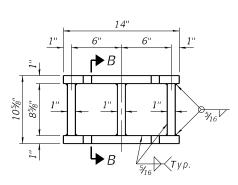
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Cost of Side retainers and Stainless Steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.



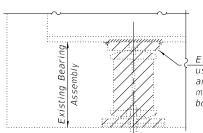
PLAN TOP AND BOTTOM PLATE





SECTION B-B

STEEL EXTENSION DETAIL



Existing IP to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange.

Burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolt smooth and seal with epoxy.

EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	12
Jack and Remove Existing Bearings	Each	12
Furnishing and Erecting Structural Steel	Pound	1710
Anchor Bolts, 1"Ø	Each	24

TYI/REPS 5-17-2018

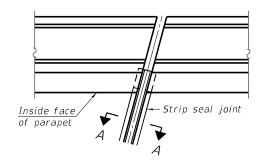
DESIGNED -	VHV	EXAMINED	mot A Mallet	DATE -	MAY 04, 2021
CHECKED -	ATH		ENGINEER OF STRUCTURAL SERVICES	-	
DRAWN -	Venkat Ramana Reddy	PASSED	& Carl Prayer	REVISED	=
CHECKED -	VHV ATH		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	-

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

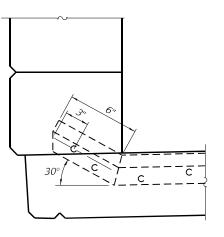
Q 11/4"Ø Hole

SOUTH ABUTMENT BEARING DETAILS SN 072-0124 (E.B) & 072-0125 (W.B) SHEET NO. 7 OF 10 SHEETS

SECTION COUNTY PEORIA 240 240I 474 72[1RS-3; (2-4)RS-2] CONTRACT NO. 68C45



FOR SKEWS ≤ 30° PLAN AT PARAPET



ELEVATION AT PARAPET $(Skews \leq 30^{\circ})$

The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

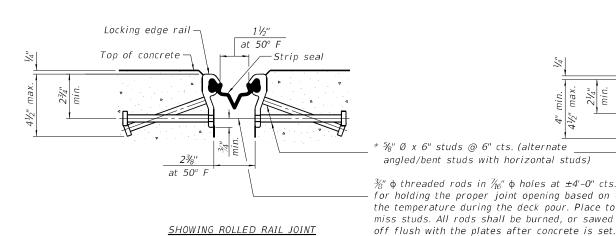
The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4½" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be $\frac{3}{6}$ and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

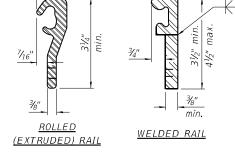
The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.



Locking edge railat 50° F Top of concrete —Strip seal * $\frac{1}{8}$ " Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs) at 50° F $\frac{3}{6}$ " ϕ threaded rods in $\frac{1}{16}$ " ϕ holes at ± 4 '-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to

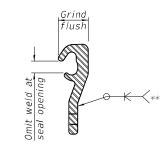
SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	172

EJ-SS1 LT30/REPS

2-25-20

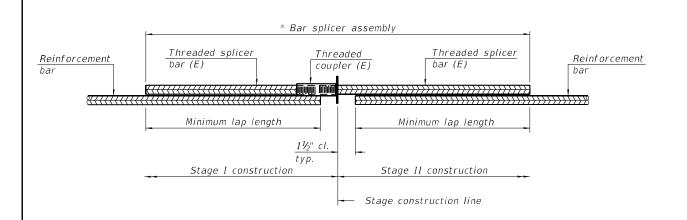
DESIGNED - VHV	EXAMINED	mot A All 4	DATE -	MAY 04, 2021
CHECKED - ATH		ENGINEER OF STRUCTURAL SERVICES		
DRAWN - Venkat Ramana Reddy	PASSED	d. Carl Prayey	REVISED	=
CHECKED - VHV ATH		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SHOWING WELDED RAIL JOINT

PREFORMED JOINT STRIP SEAL SN 072-0124 (E.B) & 072-0125 (W.B) SHEET NO. 8 OF 10 SHEETS

F.A.I. RTE	SECTION		COUNTY	TOTAL SHEETS	SHE
474	72[1RS-3; (2-4)RS-2]		PEORIA	240	24
			CONTRACT	NO. 680	245
	ILLINOIS E	ED VII	D DDO JECT		



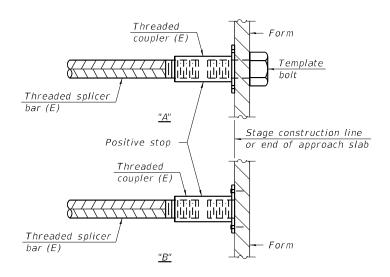
STANDARD BAR SPLICER ASSEMBLY PLAN

(All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + $1\frac{1}{2}$ " + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

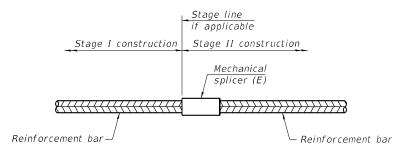
Location	Bar size	No. assemblies required	Minimum Iap length
N. & S. Abut. (0124)	#6	12	4'-10''
N. & S. Abut. (0125)	#6	12	4'-10''



INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt "B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:

Splicer bars shall be deformed with threaded ends and have a minimum $60\ ksi$ yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

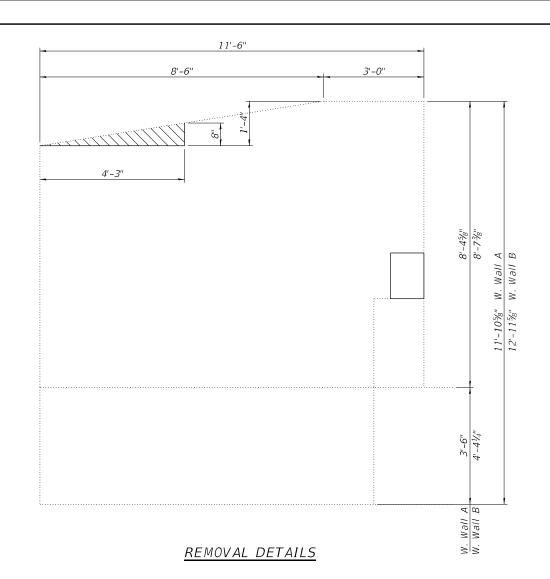
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

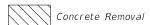
BSD-1

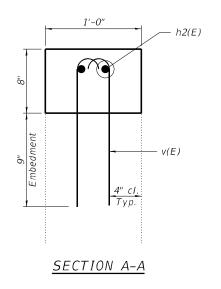
1-1-2020

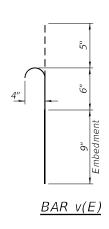
DESIGNED - VHV	EXAMINED	I mot A Mal at	DATE -	MAY 04, 2021
CHECKED - ATH		ENGINEER OF STRUCTURAL SERVICES		,
DRAWN - Venkat Ramana Reddy	PASSED	& Carl Princer	REVISED	=
CHECKED - VHV ATH	1	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	_

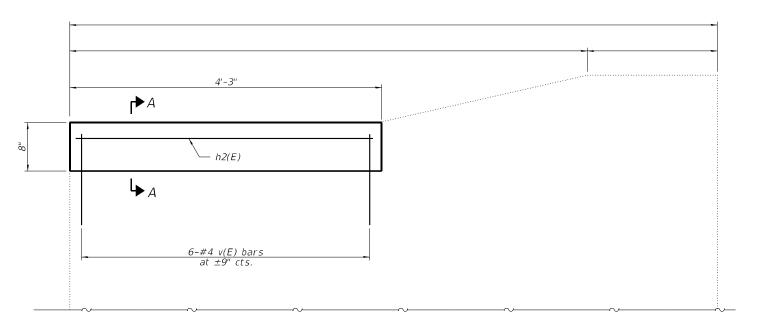
ς,	F.A.I. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.
	474	72[1RS-3; (2-4)RS-2	.]	PEORIA	240	240k
				CONTRACT	NO 680	C45
		LLINOIS	EED ΔI	D PROJECT		



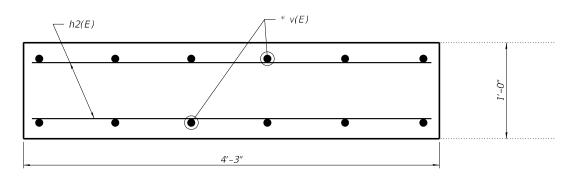








PROPOSED ELEVATION



PLAN

Notes:

Reinforcement bars designated (E) shall be epoxy coated.
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

BILL OF MATERIAL (8 Locations)

		<u> </u>		/	
	Bar	No.	Size	Length	Shape
	h2(E)	16	#5	4'-0''	-
	v(E)	96	#4	1'-8"	\Box
	Concrete	Removal		Cu. Yd.	0.5
	Concrete		ucture	Cu. Yd.	0.9
**	Protective	e Coat		Sq. Yd.	6.3
	Reinforce	ment Bar	5,	Pound	170
	Ероху Со	ated		i ounu	170
	A I I	M C		. 1	

** Apply to New Concrete only

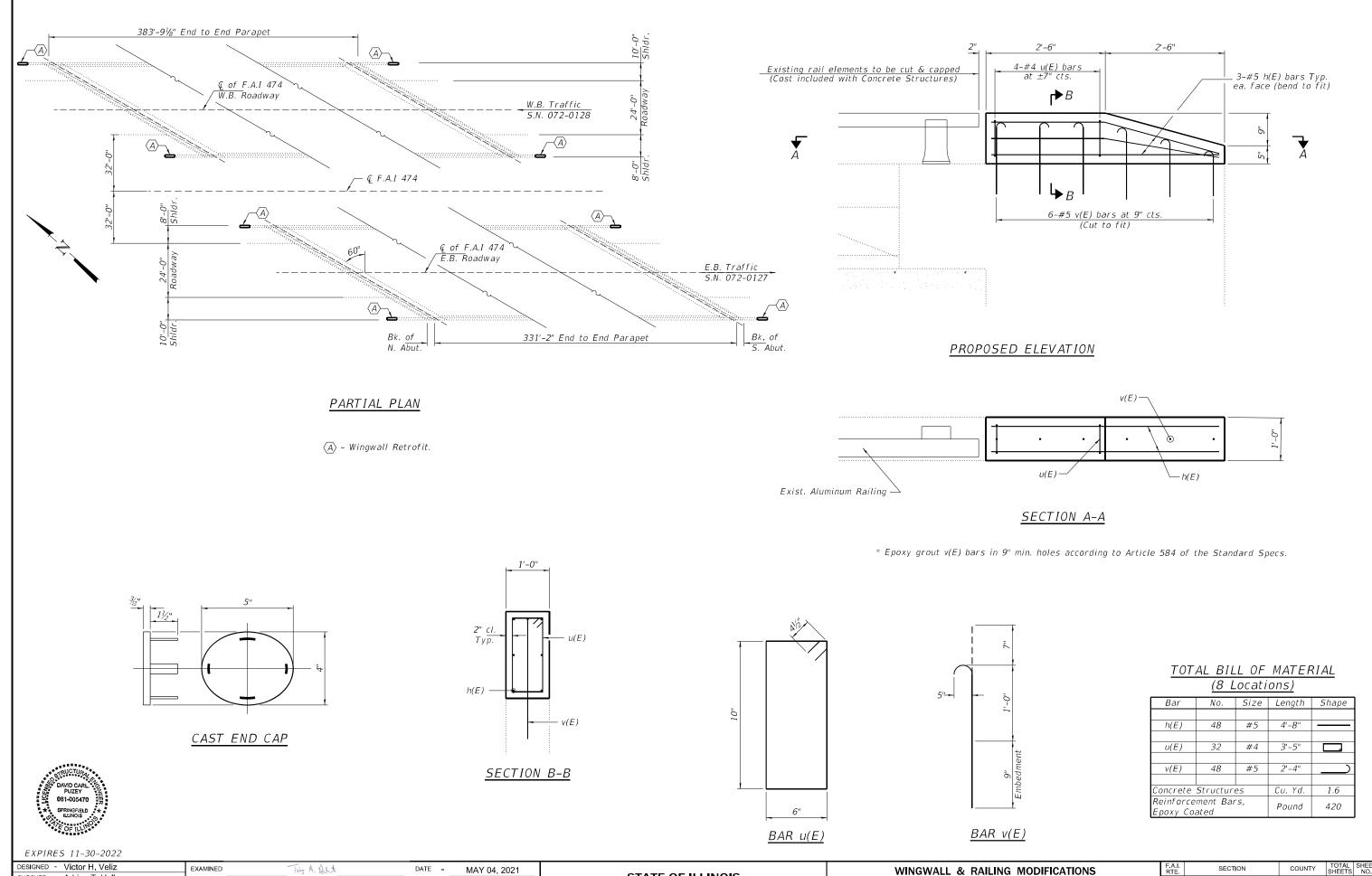
DESIGNED - VHV	EXAMINED	mote of the late	DATE -	MAY 04, 2021
CHECKED - ATH		ENGINEER OF STRUCTURAL SERVICES		
DRAWN - Venkat Ramana Reddy	PASSED	d. Carl Princy	REVISED	-
CHECKED - VHV/ ATH	1	ENGINEED OF DDIDOES AND STRUCTURES	REVISED	_

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

WINGWALL MODIFICATIONS SN 072-0124 (E.B) & 072-0125 (W.B) SHEET NO. 10 OF 10 SHEETS

F.A.I. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
474	72[1RS-3; (2-4)RS-2	2]	PEORIA	240	240L
			CONTRACT	NO 680	245
	11.111010	EED 41	D DDG IEGT		

^{*} Epoxy v(E) bars in 9" min. holes according to Article 584 of the Standard Specs.



DESIGNED - Victor H. Veliz
CHECKED - Adrian T. Halloway
DRAWN - Venkat Ramana Reddy
CHECKED - VHV ATH

DRAWN - VHV ATH

DATE - MAY 04, 2021
STATE OF ILLINOIS
DRAWN OF ADRIANSPORTATION

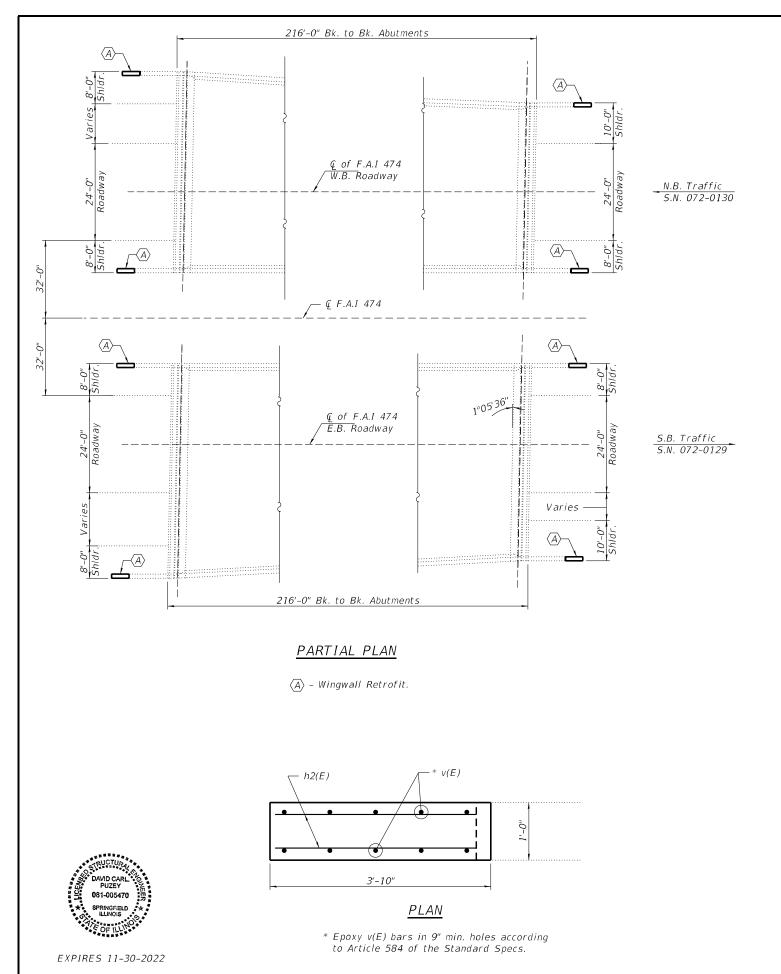
STATE OF ILLINOIS
STATE OF ILLINOIS
DRAWN OF ADRIANSPORTATION

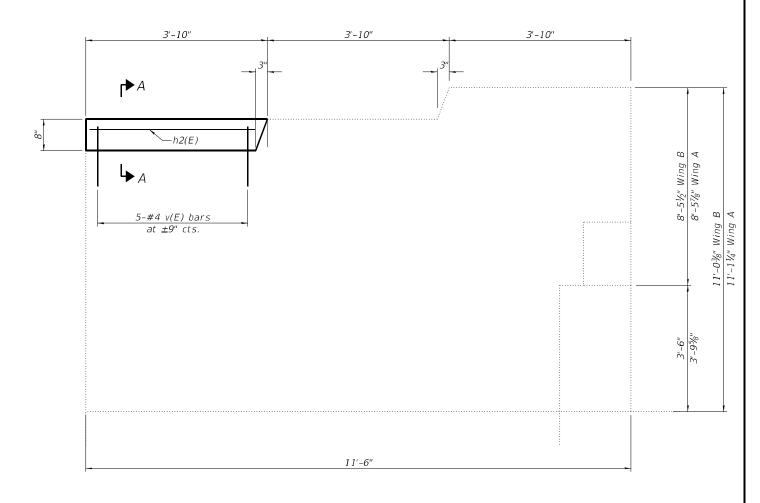
STATE OF ILLINOIS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS
STATE OF ILLINOIS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 1 SHEETS
NO.
2 down of the count of the county of the c



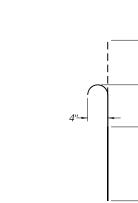


ELEVATION

Notes:

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.



BAR v(E)

TOTAL BILL OF MATERIAL (8 Locations)

	(O L	ocaci	01137	
Bar	No.	Size	Length	Shape
h2(E)	16	#5	3'-6"	
v(E)	80	#4	1'-8"	
oncrete	Superstr	ucture	Cu. Yd.	0.8
einforce boxy Co	ment Bar ated	·s,	Pound	150

1'-0"

– h2(E)

- v(E)

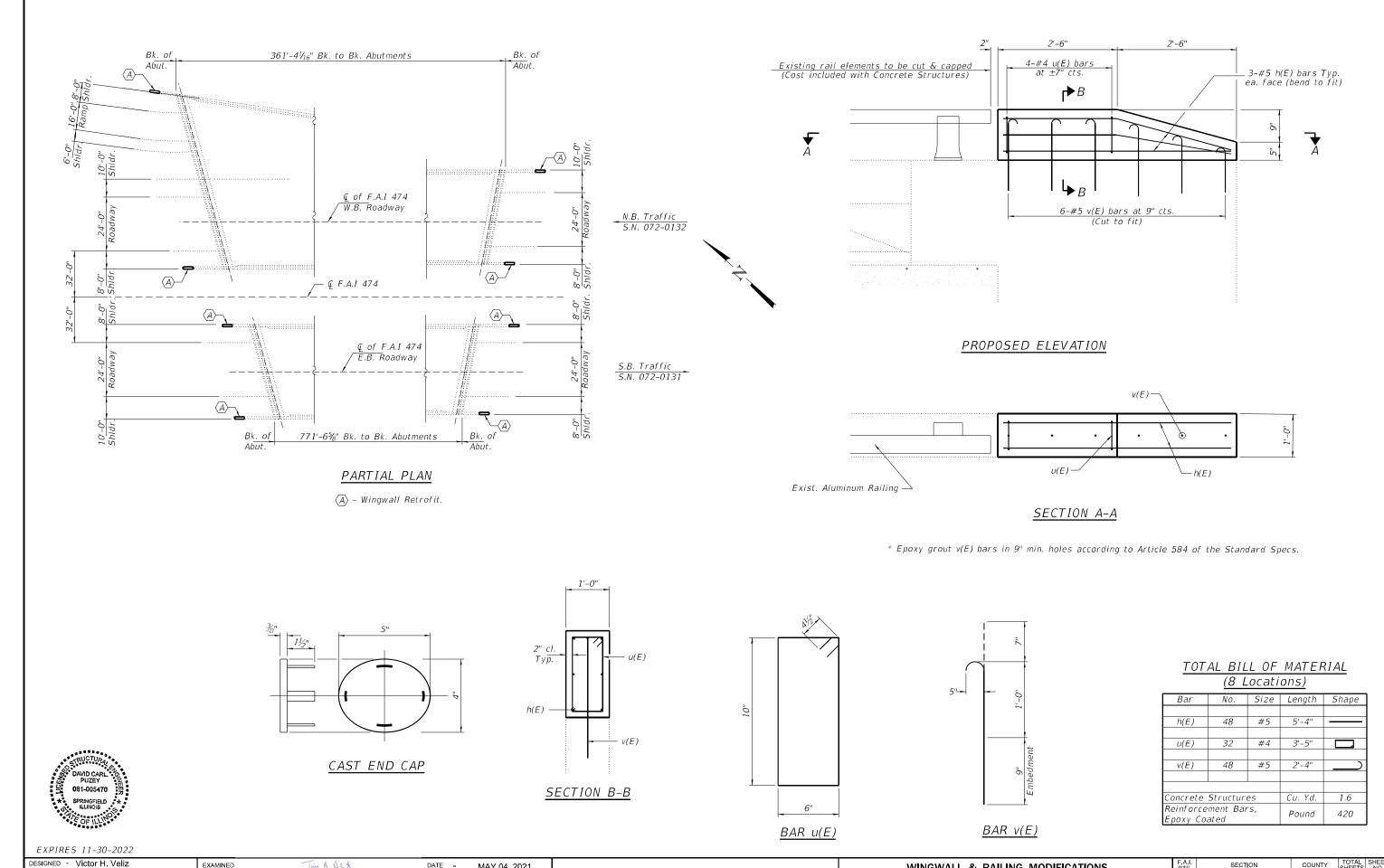
|--|

DESIGNED -	Victor H. Veliz	EXAMINED	Twing A. West	DATE -	MAY 04, 2021
CHECKED -	Adrian T. Halloway		ENGINEER OF STRUCTURAL SERVICES		,
DRAWN -	Venkat Ramana Reddy	PASSED	In Corl Projey	REVISED	-
CHECKED -	VHV ATH		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

WINGWALL MODIFICATIONS SN 072-0129 (E.B) & 072-0130 (W.B) SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SEC.	TION		COUNTY	TOTAL SHEETS	SHEET NO.		
474	72[1RS-3;	(2-4)RS-2	2]	PEORIA	240	240N		
			CONTRACT NO. 68C45					
11 NOTE FEB. 110 DDG 1507								



SECTION EXAMINED Ting A. Best DATE -MAY 04, 2021 WINGWALL & RAILING MODIFICATIONS COUNTY STATE OF ILLINOIS CHECKED - Adrian T. Halloway ENGINEER OF STRUCTURAL SERVICES 474 72[1RS-3; (2-4) RS-2] PEORIA 240 2400 SN 072-0131 (E.B) & 072-0132 (W.B) **DEPARTMENT OF TRANSPORTATION** DRAWN - Venkat Ramana Reddy PASSED So Corl Projey REVISED CONTRACT NO. 68C45 CHECKED - VHV ATH SHEET NO. 1 OF 1 SHEETS