03-09-2018 LETTING ITEM 032 INDEX OF SHEETS:

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SUMMARY OF QUANTITIES 4-10

11 LINE DIAGRAM

SCHEDULE OF QUANTITIES 12-17

BRIDGE REPAIR PLANS SN 072-0127 & 072-0128 18--81 BRIDGE REPAIR PLANS SN 072-0129 & 072-0130

96-144 BRIDGE REPAIR PLANS SN 072-0131 & 072-0132

145-155 STAGING DETAIL FOR SN 072-0127 & 072-0128 156-167 STAGING DETAIL FOR SN 072-0129 & 072-0131

168-181 STAGING DETAIL FOR SN 072-0130 & 072-0132

182-187 STAGING DETAIL FOR PAINTING SN 092-0129 & 092-0130

188-190 OVERHEAD LIGHTING PLANS

191-196 DISTRICT STANDARDS

HIGHWAY STANDARDS

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001001-02	701401-11	704001-08
001006	701402-12	781001-04
442201-03	701411-09	821101-02
642001-02	701428-01	830021-02
701201-04	701451-05	701106-02
701400-09	701901-07	

DISTRICT STANDARDS

440001 406101

780001

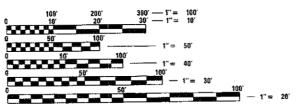
DESIGN DESIGNATION: INTERSTATE

ADT = 27700

HCV = 3800 (13.72%)SU = 1050 (3.79)

MU = 2750 (9.93%)

PROJECT BEGINS: STA. 347 + 25 PROJECT ENDS: STA. 394 + 60



ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: MIKE LEWIS (309)671-3454 PROJECT MANAGER: SOBHI LABABIDI/RAY SAMARA (309)671-3460

CATALOG # 034231-00D CONTRACT NO. 68887

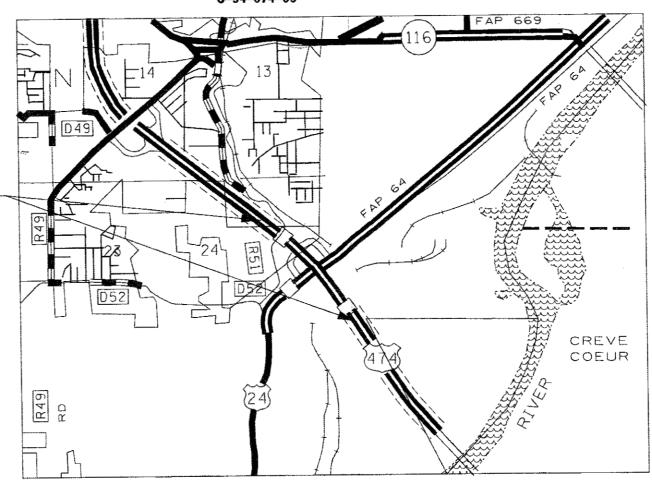
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAI ROUTE 474 (I-474) FAP ROUTE 317 (US24) SECTION 72-4(HB,HVB-1,HVB)B-R PROJECT NHPP-CT03(838) TYPE of IMPROVEMENT: BRIDGE REHABILITATION **PEORIA COUNTY**

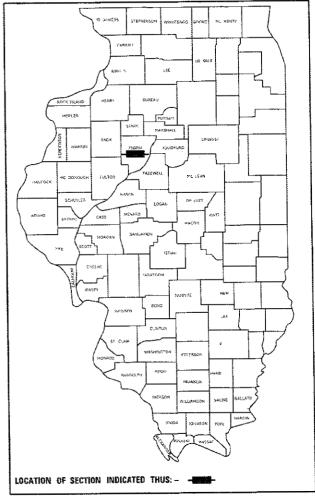
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GROSS LENGTH = 4957.00 FT. = 0.9388 MILE NET LENGTH = 3021 FT. = 0.5722 MILE

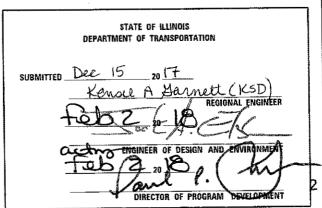
72-4(HB,HVB-1,HVB)B-R PEORIA

D-94-053-09



PROJECT DESCRIPTION:

BRIDGE REHABILITATION TO 1-474 STRUCTURES: SN 072-0127, -0128 OVER KICKAPOO CREEKRD & UP RR, SN 072-0129, -0130 OVER US 24 (ADAMS ST), SN 072-0131, -0132 OVER KICKAPOO CREEK & TZPR RR. SOUTH OF PEORIA



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made. NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT

PLAN ELEVATIONS - U. S. G. S. MEAN SEA LEVEL DATUM

All elevations shown on the plans are established from U.S.G.S. mean sea level datum.

PROPERTY OWNER ACCESS REQUIREMENTS

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

WINTER SHUTDOWN RESTRICTIONS ON COLD MILLED PROJECTS

Prior to winter shutdown the following steps shall be taken:

- All cold milled surfaces shall be overlaid.
- All lanes shall be reopened to traffic.
- Manholes, where applicable, shall be adjusted to the elevation of the binder course/leveling binder to ease in plowing snow, and re-adjusted to finished grade in the Spring. The initial manhole adjustment will be paid for at the contract unit price and any re-adjustment, as directed by the Engineer, will be paid for in accordance with Article 109.04.
- Temporary or permanent pavement marking shall be placed as applicable.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- **BDE Form 2289 (Environmental Survey Request)**
- BDE Form 2290 (Waste/Use Area Review)
- A location map showing the size limits and location of the use area
- Color photographs depicting the use area
- **Borrow Area Entry Agreement form-D4 Pl0101**

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

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						F.A.I RTE.	SECTION	COUNTY	SHEETS	SHEET NO.
ÇU	MMITMENT	S; GENE	HAL NO	IES; JŪ	B SPECIFICS	474	72-4(HB,HVB-1,HVB)B-R	PEORIA	196	2
								CONTRACT	NO. 68	3887
CCALE	CHEET	OF.	CIACLES							

COUNTY

PAVEMENT STATIONING NUMBERS & PLACEMENT

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20mm) wide, 5 inches (125 mm) high and 5/8 inch (15 mm) deep.

The pavement station numbers shall be installed as specified herein:

Interval - 200 feet (English stationing) or 100 meters (metric stationing)

Bottom of Numbers - 6 inches (150 mm) from the inside edge of the pavement marking

Location:

- * 2,3, & 5 Lane Pavements right edge of pavement in direction of increasing stations
- * Multi-Lane Divided Roadways outside edge of pavement in both directions
- * Ramps along baseline edge of pavement

Position - stations shall be placed so they can be read from the adjacent shoulder

Format – English (Metric) pavement stations shall use this format "XXX (XX + X00)" where X represents the pavement station

This work will not be paid for separately, but will be considered included in the cost of the associated pavement and/or overlay pay items.

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES

Surface Type	Residual Rate
Milled (HMA or PCC)	0.08 lb /sq ft
Existing Pavement	0.04 lb /sq ft
Fog Coat (between lifts)	0.04 lb /sq ft

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	Polymer Surface Course	Polymer Level Binder 1"	CI D Patch Special (at Pavement Lug – 2.5" lift max.)
AC/PC:	SBS or SBR 76-28	SBS or SBR 76-22	SBS or SBR 76-28
Design Air Voids:	4.0% @ N=70	4.0% @ N = 50	4.0% @ N = 70
Mixture Composition: (Gradation Mixture):	IL 9.5	IL 4.75	IL 9.5
Friction Aggregate:	Mixture D	N.A.	N.A.
Quality Management Program:	QC /QA	QC /QA	QC /QA

Note: 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size, unless otherwise approved by the Engineer.

- 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y/in., unless otherwise noted.
- 3) Sublot sizes for PFP and QCP mixes will be 1000 tons, unless otherwise agreed to by the Engineer and the paving contractor.

BUTT JOINT CUTTING TIME RESTRICTION

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

PAVING SURFACE COURSE

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

ENGINEERS FIELD OFFICE

Add the following sentence to the end of paragraph 670.02 (i) and 670.04 (e): All of the telephone lines provided shall have unpublished numbers.

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			CONSTRUCTION CODE									
				SN 072-0127	SN 072-0128	SN 072-0129	SN 072-0130	SN 072-0131	SN 072-0132	LIGHTING		
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POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	7607	7607									
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	449	449									
HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	825	825									
TEMPORARY RAMP	. SQ YD	1184	1184									
POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	663	663									
HOT - MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	14039	2085			1100	984	4660	5210			
CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	249	249									
CONCRETE REMOVAL	CU YD	360.9		86. 2	96. 7	16.5	14.3	63.3	83.9			
SLOPE WALL REMOVAL	SQ YD	1246				342	311	296	297			
CONCRETE STRUCTURES	CU YD	18.6		3,6	3,5			6.1	5.4			
CONCRETE SUPERSTRUCTURE	CU YD	358.4		85.9	96.8	16.5	14. 3	62	82. 9			
PROTECTIVE COAT	SO YD	12968		239	267	1135	1017	4830	5480			
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	36500)	6820	. 10660	1760	1750	4540	10970			
CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1	L SUM	~ 1		1	ž.							
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT TEMPORARY RAMP POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "D", N70 HOT - MIX ASPHALT SURFACE REMOVAL, 1 1/2" CLASS D PATCHES, TYPE II, 13 INCH CONCRETE REMOVAL SLOPE WALL REMOVAL CONCRETE STRUCTURES PROTECTIVE COAT FURNISHING AND ERECTING STRUCTURAL STEEL	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) POUND POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 TON HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT SO YD POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "D", N70 TON HOT - MIX ASPHALT SURFACE REMOVAL, 1 1/2" SO YD CLASS D PATCHES, TYPE II, 13 INCH SO YD CONCRETE REMOVAL CONCRETE STRUCTURES CU YD CONCRETE SUPERSTRUCTURE CONCRETE SUPERSTRUCTURE PROTECTIVE COAT SO YD FURNISHING AND ERECTING STRUCTURAL STEEL POUND	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 TON 449 HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT SO YD 825 TEMPORARY RAMP SO YD 1184 POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "D", N70 TON 663 HOT - MIX ASPHALT SURFACE REMOVAL, 1 1/2" SO YD 14039 CLASS D PATCHES, TYPE II, 13 INCH CONCRETE REMOVAL CONCRETE REMOVAL CONCRETE STRUCTURES CU YD 18.6 CONCRETE SUPERSTRUCTURE CONCRETE SUPERSTRUCTURE PROTECTIVE COAT FURNISHING AND ERECTING STRUCTURAL STEEL POUND 36500	1 10 15 15 16 16 17 10 17 10 10 10 10 10	December 10 10 10 10 10 10 10 1	TIEM 11EM 11EM 11EM 11 TOTAL QUANTITY 10 X SIME 10 X STATE 10 1	SECONOMINATE NAME SECO	TEM	TIED NOT STATE STATE	State Stat		

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0606702	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 2	L SUM	1	-	-	1					

0606703	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 3	L SUM	1				1				
0606704	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 4	L SUM	1					1			-
50606705	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 5	L SUM	1						1		
0606706	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 6	L SUM	1			1				q a	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	58,760 1		14170	13720	1960	1840	11290	15780	
-0000515	DAD COLLECTO	EACH	452		114	114	28	28	76	92	
0800515	BAR SPLICERS	LACE	432		117	117		-	10	36	
50800530	MECHANICAL SPLICERS	EACH	1303		469	258			316	260	
51100100	SLOPE WALL 4 INCH	SQ YD	1050				342	31/	198	192	
									_		
51100300	SLOPE WALL 6 INCH	SQ YD	196			AT COLUMN TO THE PARTY OF THE P		orace and a second seco	98	98	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	1145		136	324	97	88	211	289	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE 1	EACH	173		24	63			17	69	1
5010000	ELACTOREDIO DEADING ASSELVELY TYPE 2	EACH	80		26	6	14	14	20		
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE 2	EACH	00		00	0	17	17	<i>\$40</i>	-	
52100030	ELASTOMERIC BEARING ASSEMBLY, TYPE '3	EACH	15					,	8.	7	

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E2100E20	ANCHOD POLTS 1//	EACH	538		102	138	28	28	90	152	
52100520	ANCHOR BOLTS, 1"	EACH	336		100	128	20	20	70	128	
63301210	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	25	25							
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	6254	6254		And the second s					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18							
01000400	ENOTICE OF THE A										
67100100	MOBILIZATION	L SUM	1	1							
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	3	3							To the second se
70107006	PAVEMENT MARKING BLACKOUT TAPE, 6"	FOOT	725	725							
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	521	521						1	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	174	174							
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	56678	56678							
70400100	TEMPORARY CONCRETE BARRIER	FOOT	6137.5	575	1387.5	1325	412.5	412.5	962./5	1062.5	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	18412.5	1725	4162.5	3975	1237.5	1237.5	2887.5	3187.5	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	. 8	2	1 .	1	1	1	ı'	1	
70600350) IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	8 .	2	1	1	1	1	1	1	

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L			ļ									
	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	7755	7755							
					v I							
<u>.</u>	78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"-	FOOT	937	937							
٤	18008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	1692	1692	- Commence of the Commence of						
<i>(1)</i>	78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	440	440							
			ļ					-				Altrica proprieta de la companie de
	78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	305	305							
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	32	32							
-	31300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	8		Security and the security of t			- Parameter and the second sec			8
	33060830	LIGHT POLE, GALVANIZED STEEL, 45FT. M.H., TENON MOUNT	EACH	- 13								13
	K0323710	REMOVE CONDUIT ATTACHED TO STRUCTURE	FOOT	200				,				200
-			60 57	2077	0077							
ŀ	XO327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	8037	8037							
	X1400023	CONDUIT, FLEXIBLE, LIQUID TIGHT. METALLIC, 2" DIAMETER	FOOT	45								45
	VAA01100	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	4983	4983		110000000000000000000000000000000000000					
}		HOL-MIA ASCHAL! SURFACE REMOVAL, VARIABLE DEFIR	30 10	4303	4303							
-	X5017305	PROTECTIVE SHIELD (PERMANENT)	SQ YD	3892		The state of the s		763	617	1218	1294	
	WE 0 7 0 0 " C	DOLDEE DECK COONTING ALONGLEUDINAL)	SQ YD	8524		· ·		874	706	3409	3535	
	x5U3U250	BRIDGE DECK GROOVING (LONGITUDINAL)	ou IU	0207				014	100	J109	1223	

* SPECIALTY ITEM

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						SN 072-0127	SN 072-0128	CONSTRUC SN 072-0129	TION CODE SN 072-0130	SN 072-0131	SN 072-0132	LIGHTING
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×	(7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	***************************************						
>	(7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	18738	18738				of annual participation of the second of the			
>	(7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	7755	7755							
,	(7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	937	937							
>	(7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	* 1692	1692							
>	K7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	440	440	4						
;	X8110458	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	150								150
7	Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	221		29	30	14	14	4/	73	
	Z0006014	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES	SQ YD	12534		•		1100	984	5240	5210	
-	Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	Ł SUM	1		1						
	Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1			1					
	Z0007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 3	L SUM	1				1				
	Z0007104	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 4	Ł SUM	1					1			
	Z0007105	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 5	L SUM	1						1		
L	* SPECI	TALTY ITEM USER NAME = labebidism DESIGNED - REVISED -									SECTION	COUNTY

S:\GEN\DRAFT\STD&PLNS\SOUAD 8\68887 I 474 Structure's Rehebilitation 2018\working f leftAWW sheet .dgn
PLOT SCALE = 100.0000 '/ in. CHECKED -

PLOT DATE = 12/14/2017

DATE -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

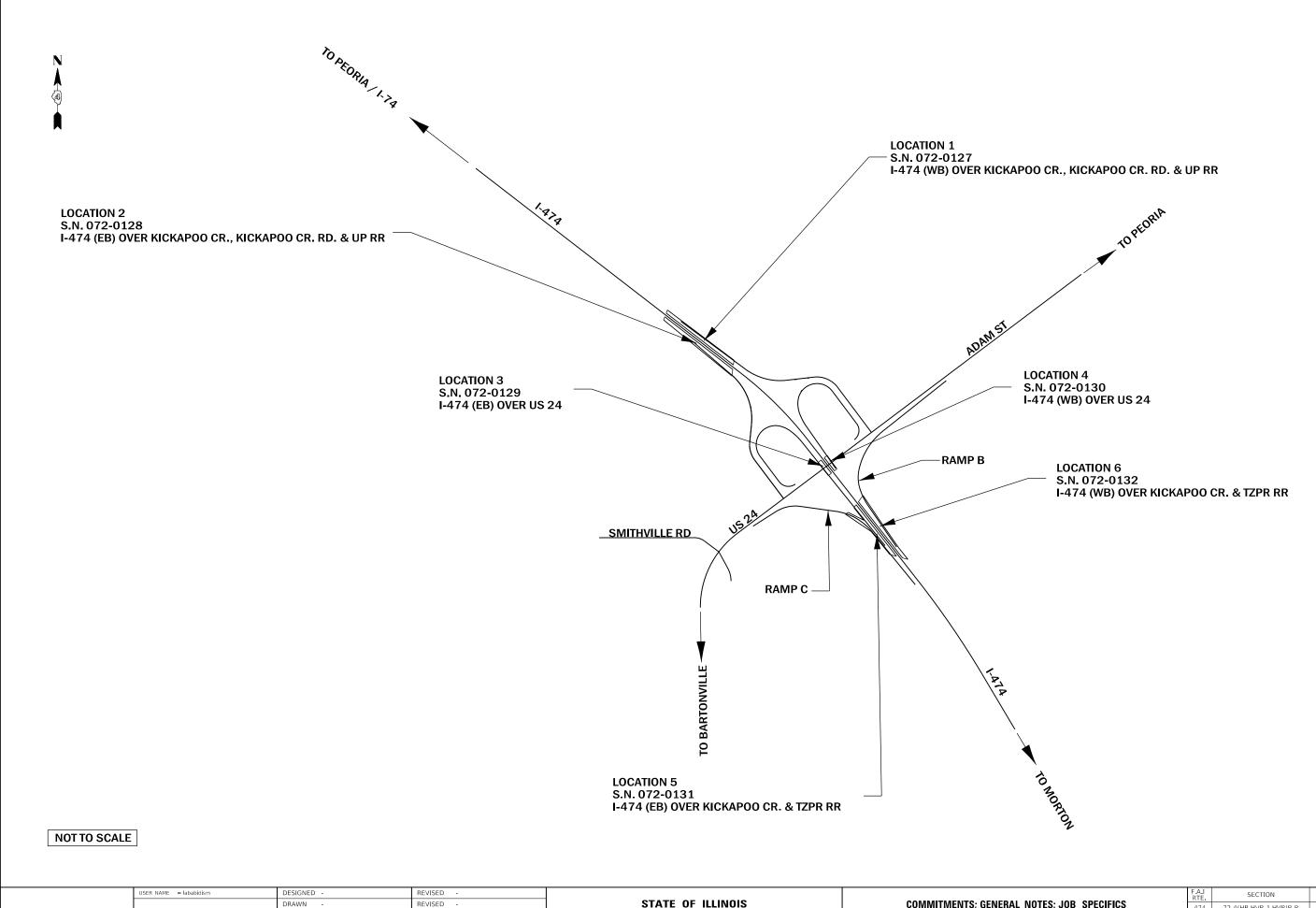
F.A.I SECTION COUNTY TOTAL SHEETS NO.

474 72-4(HB,HVB-1,HVB)B-R PEORIA 196 8

CONTRACT NO. 68887

						,		TION CODE			
					SN 072-0127	SN 072-0128			SN 072-0131	SN 072-0132	LIGHTING
		Т		90 % FEDERAL	90 % FEDERAL		90 % FEDERAL		90 % FEDERAL	90 % FEDERAL	
CODE	ITEM	UNIT	TOTAL	10 % STATE 0004	10 % STATE	10 % STATE	10 % STATE	10 % STATE 0013	10 % STATE	10 % STATE 0013	10 % STATE 0021
NO.	I I ⊏\V:	OWI	QUANTITY	URBAN	0013 URBAN	0013 URBAN	0013 URBAN	URBAN	0013 URBAN	URBAN	URBAN
					3,5,4	SADAIS	Sindart		3.13.11	55,	32
Z0007106	6 CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 6	L SUM	1							1	
							,				
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	11954				1100	984	4660	5210	
Z0012754	4 STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	3347.3		790	847	77.3		735	898	
7001500	1 DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	0.9	<u> </u>					0.9		
2001600	DECK SLAD REPAIR (FULL DEFIN, 1)FE 17	34 15	0. 3						0.3		
Z0029090	O DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	9087				1/30	10/3	3409	3535	
Z0034390	0 MODULAR EXPANSION JOINT > 6"	FOOT	548		329	164			85	70	
7004866	5 RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1				77			
			7								
Z0065730	O SLOPE WALL SLURRY PUMPING	CU YD	171.9		14.9		14.8	22.2	60	60	
Z007320	O TEMPORARY SHORING AND CRIBBING	EACH	48		ಎ ಎ	19			4	3	
Z007660	O TRAINEES	HOUR	1000	1000						<u></u>	
Z007660	4 TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	- 1000							
					-	-					
			1					-			
ø do	742]
ME =	USER NAME = lababildism DESIGNED - REVISED -								F.A. RTE	SECTION	COUNTY TOTAL
	S\SQUAD 8\58887 1 774 Structure's Rehebilitation 2018\working f DRAWH sheet .dgc REVISED -			TE OF ILLINOIS	T. 7101		SUMMARY OF	QUANTITIES	474		R PEORIA 196
	PLOT SCALE = 108,8080 '/ in. CHECKED - REVISED -	1	DED A DTS ACNIT	T OF TRANSPOR	TATION						CONTRACT NO.

										CTION CODE			
							SN 072-0127	SN 072-0128	SN 072-0129	SN 072-0130			LIGHTING
						90 % FEDERAL			90 % FEDERAL			90 % FEDERAL	
CODE				1	TOTAL	10 % STATE	10 % STATE	10 % STATE	10 % STATE		10 % STATE	10 % STATE	10 % STATE
NO.		ITEM		UNIT	QUANTITY	0004	0013	0013	0013	0013	0013	0013	0021
						URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
E =	USER NAME = lababidism	DESIGNED -	REVISED -		<u> </u>	TE OF "					F.A.I RTE.	SECTION	COUNTY TOT
RAFT\STD&PLNS\SQUAD 8\68887	7 I 474 Structure's Rehabilitation 2018\working PLOT SCALE = 100.0000 '/ in.	G floRtAWAY sheet .dgn CHECKED -	REVISED - REVISED -		SIA	TE OF ILLINOIS T OF TRANSPORT	TATION		SUMMARY OF (QUANTITIES	474	72-4(HB,HVB-1,HVB)B-I	PEORIA 19 CONTRACT NO
	PLOT DATE = 12/14/2017												



MODEL: Default FILE NAME: SYGENYORAETISTE

LOT SCALE = 100.0000 ' / in.

PLOT DATE = 12/13/2017

CHECKED

DATE

REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION COMMITMENTS; GENERAL NOTES; JOB SPECIFICS

SHEET OF SHEETS STA. TO STA.

LOCATION REMARKS LENGTH WIJTH AREA TEMPORARY RUMPTAGE REMOVAL REMOVA							R	ESURFACING	QUANTITIES							
SH OZ-0128 STA 348+85 TO STA 351+28 BRIDGE APPROCH 244 24 650.67 80.00 53.33 597.33 468.48 234.24 54.66 54.66 58.7 58.7 57.0-0128 57.7 58.7 57.0-0128 57.7 58.7 57.0-0128 57.7 58.7 57.0-0128 57.7 58.7 57.0-0128 57.7 58.7 57.0-0128 57.7 58.7 57.0 57.7 58.7 57.0 57.7 58.	LOC	ATION		REMARKS	LENGTH	WIDTH	AREA		ASPHALT SURFACE REMOVAL —	ASPHALT SURFACE REMOVAL, VARIABLE	ASPHALT SURFACE REMOVAL,	BITUN MATERIA	IINOUS LS (TACK	LEVELING BINDER M.M. IL–4.75, N50	HOT – MIX ASPHALT SURFACE COURSE, MIX "D", N70	SHOULDER RUMBLE STRIPS, 16 INCH
SH OZ-0128 STA 348+85 TO STA 351+28 BRIDGE APPROCH 244 24 650.67 80.00 53.33 597.33 468.48 234.24 54.66 54.66 58.7 58.7 57.0-0128 57.7 58.7 57.0-0128 57.7 58.7 57.0-0128 57.7 58.7 57.0-0128 57.7 58.7 57.0-0128 57.7 58.7 57.0-0128 57.7 58.7 57.0 57.7 58.7 57.0 57.7 58.	STA.	ТО	STA.		FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	LB	LB	TON	TON	FT
SN 072-0172 STA 354 - 85 TO STA 351 - 29 BRIDGE APPROCH 244 24 556.67 80.00 53.33 333.33 278.40 199.20 32.48 32.			-											-		
STA 348 + 85 TO STA 351 + 29 BRIDGE APPROCH 244 24 59.6.67 80.00 53.33 597.33 468.48 234.24 54.66 54.66 54.66 57.3 59.2 59.2 59.2 59.2 59.2 59.2 59.2 59.2																
SN 072-0129 STA 375+93 T0 STA 377+39 BRIDGE APPROCH 146 42 681.33 140.00 93.33 588.00 499.56 245.28 57.23 57.23 STA 379+91 T0 STA 380+66 BRIDGE APPROCH 116 27 348.00 90.00 60.00 288.00 250.56 125.28 29.23 29.23 STA 383+80 T0 STA 384+86 BRIDGE APPROCH 116 27 348.00 90.00 60.00 288.00 250.56 125.28 29.23 29.23 STA 382+57 T0 STA 384+86 BRIDGE DEPARTURE 151 36 694.00 120.00 80.00 524.00 434.88 217.44 50.74		T0	STA. 351 + 29	BRIDGE APPROCH	244	24	650.67	80.00	53.33	597.33		468.48	234.24	54.66	54.66	
STA 375+93 TO STA 377+98 BRIDGE DEPARTURE STA 379+91 TO STA 380+66 BRIDGE DEPARTURE 115 33 421.67 110.00 73.3 348.33 303.60 151.80 35.42 35.42 STA 383+80 TO STA 384+96 BRIDGE APPROCH 16 27 348.00 90.00 60.00 288.00 250.56 125.28 29.23 29.23 29.23 STA 383+80 TO STA 384+96 BRIDGE DEPARTURE 151 36 604.00 120.00 80.00 524.00 434.88 217.44 50.74 50.74 80.74	STA. 361 + 03	ТО		BRIDGE DEPARTURE	145	24	386.67	80.00		333.33		278.40	139.20	32.48	32.48	
STA. 399+51 TO STA. 380+66 BRIDGE DEPARTURE 115 33 421.67 110.00 73.33 348.33 303.60 151.80 35.42 35.42 35.42 \$\$NO 72-0737 \$\$IN 0 STA. 384+96 BRIDGE APPROCH 116 27 348.00 90.00 60.00 288.00 250.56 125.28 29.23 29.23 \$\$IN 392+57 TO STA. 394+08 BRIDGE DEPARTURE 151 36 60.00 120.00 80.00 524.00 434.88 217.44 50.74 50.74 50.74 \$\$IN 374. 394+08 \$\$IN 374. 394+73 \$\$IN	SN 072-0129															
STA_393+80 TO STA_384+96 BRIDGE APPROCH 116 27 348.00 90.00 60.00 288.00 250.56 125.28 29.23 29.23 STA_393+80 TO STA_394+96 BRIDGE DEPARTURE 151 36 604.00 120.00 80.00 524.00 434.88 217.44 50.74 50.74 50.74 STA_394+96 STA_394+96 BRIDGE DEPARTURE 151 36 604.00 120.00 80.00 524.00 434.88 217.44 50.74 50.74 50.74 STA_125 STA_12	STA. 375 + 93	T0	STA. 377 + 39	BRIDGE APPROCH	146	42	681.33	140.00	93.33	588.00		490.56	245.28	57.23	57.23	
STA 383+80 TO STA 384+96 BRIDGE APPROCH 116 27 348.00 90.00 60.00 288.00 250.56 125.28 29.23 29.23 29.23 STA 392+57 TO STA 394+08 BRIDGE DEPARTURE 151 36 604.00 120.00 80.00 524.00 434.88 217.44 50.74 50.74 50.74 FAMP C STA 12+38 TO STA 13+58 120 16 213.33 26.67 35.56 177.78 153.80 0.00 0.00 17.92 RUMBLE STRIPS REMOVAL AND REPLACEMENT 3,127 3 1,042.33	STA. 379 + 51	T0	STA. 380 + 66	BRIDGE DEPARTURE	115	33	421.67	110.00	73.33	348.33		303.60	151.80	35.42	35.42	
STA. 392 + 57 TO STA. 394 + 08 BRIDGE DEPARTURE 151 36 604.00 120.00 80.00 524.00 434.88 217.44 50.74 50.74 STA. 194.88 217.44 50.74 STA. 194.88 217.44 50.74 STA. 194.88 217.44 STA. 19	SN 072-0131															
RAMP C STA. 12+ 38 TO STA. 13+ 58 120 16 213.33 26.67 35.56 177.78 153.60 0.00 0.00 17.92 RUMBLE STRIPS REMOVAL AND REPLACEMENT 3.127 3 1.042.33	STA. 383 + 80	TO	STA. 384 + 96	BRIDGE APPROCH	116	27	348.00	90.00	60.00	288.00		250.56	125.28	29.23	29.23	
STA. 12+38 TO STA. 13+58	STA. 392 + 57	T0	STA.394 + 08	BRIDGE DEPARTURE	151	36	604.00	120.00	80.00	524.00		434.88	217.44	50.74	50.74	
RUMBLE STRIPS REMOVAL AND REPLACEMENT 3,127 3 1,042.33 1,042.33 1,042.33 1,042.33 750.48 87.56 3,127 -474 WBL SN 07Z-0132 STA, 393 +29 TO STA, 394 + 73 BRIDGE APPROCH 144 24 384.00 80.00 53.33 330.67 276.48 138.24 32.26 32.26 32.26 STA, 383 +57 TO STA, 384 + 73 BRIDGE DEPARTURE 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA, 379 +51 TO STA, 389 +66 BRIDGE APPROCH 115 24 306.67 80.00 53.33 256.00 322.72 111.36 25.98 25.98 STA, 379 +51 TO STA, 387 +73 BRIDGE DEPARTURE 146 33 535.33 110.00 73.33 462.00 385.44 192.72 44.97 44.97 STA, 360 +19 TO STA, 361 +35 BRIDGE APPROCH 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA, 360 +19 TO STA, 361 +35 BRIDGE APPROCH 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA, 366 +19 TO STA, 367 +67 BRIDGE DEPARTURE 153 24 408.00 80.00 53.33 354.67 293.76 146.88 34.27 34.27 RAMP B STA, 08 +00 TO STA, 09 +40 140 16 248.89 26.67 35.56 213.33 1,042.33 750.48 87.56 3,127 RUMBLE STRIPS REMOVAL AND REPLACEMENT 3,127 3 1,042.33 750.48 87.56 3,127	RAMP C															
SN 072-0132 SN 072-0132 STA, 393+29 TO STA, 394+73 BRIDGE APPROCH 144 24 384,00 80,00 53,33 330,67 276,48 138,24 32,26 32,26 STA, 383+57 TO STA, 384+73 BRIDGE DEPARTURE 116 24 309,33 80,00 53,33 256,00 222,72 111,36 25,98 25,98 25,98 SN 072-0130 STA, 379+51 TO STA, 380+66 BRIDGE APPROCH 115 24 306,67 80,00 53,33 253,33 220,80 110,40 25,76 25,76 STA, 375+93 TO STA, 377+39 BRIDGE DEPARTURE 146 33 535,33 110,00 73,33 462,00 385,44 192,72 44,97 44,97 STA, 360+19 TO STA, 361+35 BRIDGE APPROCH 116 24 309,33 80,00 53,33 256,00 222,72 111,36 25,98 25,98 25,98 STA, 346+14 TO STA, 347+67 BRIDGE DEPARTURE 153 24 408,00 80,00 53,33 354,67 293,76 146,88 34,27 34,27 RAMP B STA, 08+00 TO STA, 09+40 140 16 248,89 26,67 35,56 213,33 1,042,33 750,48 87,56 3,127 3,12	STA. 12 + 38	T0	STA. 13 + 58		120	16	213.33	26.67	35.56	177.78		153.60	0.00	0.00	17.92	
SN 072-0132 STA 393+29 TO STA 394+73 BRIDGE APPROCH 144 24 384.00 80.00 53.33 30.67 276.48 138.24 32.26 32.26 STA 383+57 TO STA 384+73 BRIDGE DEPARTURE 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA 372-0130 STA 375+51 TO STA 380+66 BRIDGE APPROCH 115 24 306.67 80.00 53.33 256.00 222.72 111.36 25.98 25.76 STA 375+93 TO STA 377+39 BRIDGE DEPARTURE 146 33 535.33 110.00 73.33 462.00 385.44 192.72 44.97 44.97 SN 072-0127 STA 360+19 TO STA 361+35 BRIDGE APPROCH 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA 340+14 TO STA 347+67 BRIDGE DEPARTURE 153 24 408.00 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA 380+19 TO STA 347+67 BRIDGE DEPARTURE 153 24 408.00 80.00 53.33 354.67 293.76 146.88 34.27 34.27 RAMP B STA 08+00 TO STA 09+40 140 16 248.89 26.67 35.56 213.33 1,042.33 750.48 87.56 3,127	RUMBLE STRIPS F	EMOVA	L AND REPLACEM	ENT	3,127	3	1,042.33				1,042.33	750.48			87.56	3,127.00
SN 072-0132 STA. 393+29 T0 STA. 394+73 BRIDGE APPROCH 144 24 384.00 80.00 53.33 330.67 276.48 138.24 32.26 32.26 STA. 383+57 T0 STA. 384+73 BRIDGE DEPARTURE 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA. 372-0130 STA. 379+51 T0 STA. 380+66 BRIDGE APPROCH 115 24 306.67 80.00 53.33 253.33 253.33 220.80 110.40 25.76 25.76 STA. 375+93 T0 STA. 377+39 BRIDGE DEPARTURE 146 33 535.33 110.00 73.33 462.00 385.44 192.72 44.97 44.97 SN 072-0127 STA. 360+19 T0 STA. 361+35 BRIDGE APPROCH 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA. 346+14 T0 STA. 347+67 BRIDGE DEPARTURE 153 24 408.00 80.00 53.33 354.67 293.76 146.88 34.27 34.27 RAMP B STA. 08+00 T0 STA. 09+40 140 16 248.89 26.67 35.56 213.33 1,042.33 750.48 87.56 3.127	474 14/01															
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STA. 383 + 57 TO STA. 384 + 73 BRIDGE DEPARTURE 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 SN 072-0130 STA. 379 + 51 TO STA. 380 + 66 BRIDGE APPROCH 115 24 306.67 80.00 53.33 253.33 220.80 110.40 25.76 25.76 STA. 375 + 93 TO STA. 377 + 39 BRIDGE DEPARTURE 146 33 535.33 110.00 73.33 462.00 385.44 192.72 44.97 44.97 SN 072-0127 STA. 360 + 19 TO STA. 361 + 35 BRIDGE APPROCH 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA. 346 + 14 TO STA. 347 + 67 BRIDGE DEPARTURE 153 24 408.00 80.00 53.33 354.67 293.76 146.88 34.27 34.27 STA. 08 + 00 TO STA. 09 + 40 140 16 248.89 26.67 35.56 213.33 179.20 0.00 0.00 20.91 RUMBLE STRIPS REMOVAL AND REPLACEMENT 3,127 3 1,042.33 750.48 87.56 3,127			OTA 204 : 70	DDIDOE ADDDOOU	444	0.4	204.00	00.00	F0.00	220.07		070 40	400.04	20.00	20.00	
SN 072-0130 STA. 379 + 51 TO STA. 380 + 66 BRIDGE APPROCH 115 24 306.67 80.00 53.33 253.33 220.80 110.40 25.76 25.76 STA. 375 + 93 TO STA. 377 + 39 BRIDGE DEPARTURE 146 33 535.33 110.00 73.33 462.00 385.44 192.72 44.97 44.97 SN 072-0127 STA. 360 + 19 TO STA. 361 + 35 BRIDGE APPROCH 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA. 346 + 14 TO STA. 347 + 67 BRIDGE DEPARTURE 153 24 408.00 80.00 53.33 354.67 293.76 146.88 34.27 34.27 ARAMP B STA. 08 + 00 TO STA. 09 + 40 140 16 248.89 26.67 35.56 213.33 1,042.33 750.48 87.56 3,127 RUMBLE STRIPS REMOVAL AND REPLACEMENT 3,127 3 1,042.33 750.48 87.56 3,127						 						-				
STA. 379 + 51 TO STA. 380 + 66 BRIDGE APPROCH 115 24 306.67 80.00 53.33 253.33 220.80 110.40 25.76 25.76 STA. 375 + 93 TO STA. 377 + 39 BRIDGE DEPARTURE 146 33 535.33 110.00 73.33 462.00 385.44 192.72 44.97 44.97 SW 072-0127 STA. 360 + 19 TO STA. 361 + 35 BRIDGE APPROCH 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA. 346 + 14 TO STA. 347 + 67 BRIDGE DEPARTURE 153 24 408.00 80.00 53.33 354.67 293.76 146.88 34.27 34.27 STA. 08 + 00 TO STA. 09 + 40 140 16 248.89 26.67 35.56 213.33 179.20 0.00 0.00 20.91 RUMBLE STRIPS REMOVAL AND REPLACEMENT 3,127 3 1,042.33 1,042.33 1,042.33 750.48 87.56 3,127		10	51A. 384 + /3	BRIDGE DEPARTURE	116	Z4	309.33	80.00	53.33	256.00		222.12	111.36	25.98	25.98	
STA. 375 + 93 TO STA. 377 + 39 BRIDGE DEPARTURE 146 33 535.33 110.00 73.33 462.00 385.44 192.72 44.97 44.97 SN 072-0127 STA. 360 + 19 TO STA. 361 + 35 BRIDGE APPROCH 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA. 346 + 14 TO STA. 347 + 67 BRIDGE DEPARTURE 153 24 408.00 80.00 53.33 354.67 293.76 146.88 34.27 34.27 STA. 08 + 00 TO STA. 09 + 40 140 16 248.89 26.67 35.56 213.33 179.20 0.00 0.00 20.91 RUMBLE STRIPS REMOVAL AND REPLACEMENT 3,127 3 1,042.33 1,042.33 1,042.33 750.48 87.56 3,127		TO	CTV 300 + CC	DDIDGE ADDDOCH	115	2/	206 67	90.00	E2 22	252 22		220.00	110 40	25.76	25.76	
SN 072-0127 STA. 360 + 19 TO STA. 361 + 35 BRIDGE APPROCH 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA. 346 + 14 TO STA. 347 + 67 BRIDGE DEPARTURE 153 24 408.00 80.00 53.33 354.67 293.76 146.88 34.27 34.27 RAMP B STA. 08 + 00 TO STA. 09 + 40 140 16 248.89 26.67 35.56 213.33 179.20 0.00 0.00 20.91 RUMBLE STRIPS REMOVAL AND REPLACEMENT 3,127 3 1,042.33 1,042.33 750.48 87.56 3,127						1		+							+	
STA. 360+19 TO STA. 361+35 BRIDGE APPROCH 116 24 309.33 80.00 53.33 256.00 222.72 111.36 25.98 25.98 STA. 346+14 TO STA. 347+67 BRIDGE DEPARTURE 153 24 408.00 80.00 53.33 354.67 293.76 146.88 34.27 34.27 STA. 08+00 TO STA. 09+40 140 16 248.89 26.67 35.56 213.33 179.20 0.00 0.00 20.91 RUMBLE STRIPS REMOVAL AND REPLACEMENT 3,127 3 1,042.33 750.48 87.56 3,127		10	31A. 3// + 33	DNIVGE VEFANIUNE	140	33	202.33	110.00	/ 3.33	402.00		303.44	132.72	44.37	44.37	
STA. 346+14 TO STA. 347+67 BRIDGE DEPARTURE 153 24 408.00 80.00 53.33 354.67 293.76 146.88 34.27 34.27 RAMP B STA. 08+00 TO STA. 09+40 140 16 248.89 26.67 35.56 213.33 179.20 0.00 0.00 20.91 RUMBLE STRIPS REMOVAL AND REPLACEMENT 3,127 3 1,042.33 750.48 87.56 3,127		TO	CTV 381 ∓ 3₽	BBIDGE VDDBUCH	116	2/1	300 33	80.00	E3 22	256 00		222 72	111 26	25 00	25.00	
RAMP B STA. 08 + 00 TO STA. 09 + 40 140 16 248.89 26.67 35.56 213.33 179.20 0.00 0.00 20.91 RUMBLE STRIPS REMOVAL AND REPLACEMENT 3,127 3 1,042.33 1,042.33 750.48 87.56 3,127																
STA. 08 + 00 TO STA. 09 + 40 140 16 248.89 26.67 35.56 213.33 179.20 0.00 0.00 20.91 RUMBLE STRIPS REMOVAL AND REPLACEMENT 3,127 3 1,042.33 1,042.33 750.48 87.56 3,127		10	UIA. 34/ TU/	DIIIDGE DEI ANTUNE	133	27	700.00	00.00	33.33	337.07		233.70	170.00	J7. <i>L1</i>	J7.2 <i>1</i>	
RUMBLE STRIPS REMOVAL AND REPLACEMENT 3,127 3 1,042.33 1,042.33 1,042.33 750.48 87.56 3,127		TO	STA 09 + 40		140	16	248 89	26.67	35 56	213 33		179 20	0.00	0 00	20 91	
				ENT	_			20.07	00.00	210.00	1.042 33		0.00	0.00		3,127.00
	NOMBEL OTHER		ILI ENGLIN		J 5/127		1,0 12:00	1		<u> </u>	1,0 12.00	100110			0,100	5,127100
TOTAL 1,184 825 4,983 2,085 7,607 449 663 6,25			TOTAL					1,184	825	4,983	2,085	7.0	207	449	663	6,254

^{*} MILL TO BARE CONCRETE (EXISTING OVERLAY VARY 1 1/2"-3 1/2")

^{**} QUANTITIES ARE ESTIMATED; FINAL TONNAGE IS TO BE DETERMINED IN THE FIELD

USER NAME = lababidism	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2017	DATE -	REVISED -

					F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SCHEDULE	: OF QUA	ANTITIES		474	72-4(HB,HVB-1,HVB)B-	R PEORIA	196	12
							CONTRACT	NO. 68	3887
SHEET OF SHEETS STA. TO STA.						ILLINOIS F	ED. AID PROJECT		

					F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SCHEDULE	OF QUA	ANTITIES		474	72-4(HB,HVB-1,HVB)B-R	PEORIA	196	13
							CONTRACT	NO. 68	3887
SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

1 474 Structure's Rehabilitation 2018/working file\Cover sheet

^{*} EXISTING EXPANSION JOINT TO BE REMOVED AND REPLACED; WORK WILL BE PAID FOR AS "CLASS D PATCHES TYPE II 13"

				PAV	EMENT MARK	ING		T	
	GROOVING FOR PAVEMENT N			!	5"	7"	9"	13"	RAISED REFLECTIV
	POLYUREA PA MARKING 1		IT		1"	6"	8"	12"	PAVEMEN MARKER REMOVA
	LOCATION	ON		WHITE	YELLOW	WHITE	WHITE	WHITE	
	STA.	TO	STA.	F	T	FT	FT	FT	EACH
•									
SN 0	72–0128								
	STA. 348 + 85	T0	STA. 351 + 29	244.00	244.00	61.00			4.00
	STA. 361 + 03	T0	STA. 362 + 48		145.00	36.25	145.00	220.00	2.00
SN 0	72–0129								
	STA. 375 + 93	T0	STA. 377 + 51	158.00	158.00	39.50	47.40		2.00
	STA. 377 + 51	T0	STA. 379 + 51	200.00	200.00	50.00	60.00		6.00
	STA. 379 + 51	T0	STA. 380 + 66	115.00	115.00	28.75	34.50		2.00
SN 0	72–0131								
	STA. 383 + 80	T0	STA. 384 + 96	116.00	116.00	29.00	34.80		2.00
	STA. 384 + 96	T0	STA. 392 + 57	761.00	761.00	190.25	406.80		
	STA. 392 + 57	TO	STA. 394 + 08	151.00	151.00	37.75	45.30		2.00
RAMF	. C								
	STA. 12 + 38	T0	STA. 13 + 58	120.00	120.00				
					_				
SN 0	72–0132								
	STA. 383 + 57	T0	STA. 384 + 73	116.00	116.00	29.00			2.00
	STA. 384 + 73	T0	STA. 393 + 29	856.00	856.00	214.00	638.30	220.00	
	STA. 393 + 29	T0	STA. 394 + 73	144.00	144.00	36.00			2.00
SN 0	72–0130								
	STA. 375 + 93	T0	STA. 377 + 39	146.00	146.00	36.50	100.10		2.00
	STA. 377 + 39	T0	STA. 379 + 51	212.00	212.00	53.00	63.60		
	STA. 379 + 51	T0	STA. 380 + 66	115.00	115.00	28.75			2.00
SN n	72 – 0127								
	STA. 346 + 14	TO	STA. 347 + 67	153.00	153.00	38.25			2.00
	STA. 360 + 19	TO	STA. 361 + 35		116.00	29.00	116.00		2.00
RAME							3		
	STA. 08 + 00	T0	STA. 09 + 40	140.00	140.00				
			T				4.655		
	TOTAL	-		7,	755	937	1,692	440	32

NOCEE, DERBUIL ILE NAME: SNGENNDRAFTNSTD&PLNS\SQUAD 8\68887 I 474 Structure

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE:

					F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	
	SCHEDULE	: OF QU/	ANTITIES		474	72-4(HB,HVB-1,HVB)B-R	PEORIA	196	14
							CONTRACT	NO. 68	3887
SHEET OF SHEETS STA. TO STA.						ILLINOIS FED A	ID PROJECT		

LOCATION			LENGTH	SKIP DASH	SHOULDER DIAGONALS	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMEN' MARKING REMOVAL	
	STA.	TO	STA.	FT	FT	FT	FT	SQ FT
SN	072–0128							
	STA. 348 + 85	T0	STA. 351 + 29	244.00	24.40		24.40	8.13
	STA. 361 + 03	T0	STA. 362 + 48	145.00	14.50		14.50	4.83
SN	072–0129							
	STA. 375 + 93	T0	STA. 377 + 51	158.00	15.80		15.80	5.27
	STA. 377 + 51	T0	STA. 379 + 51	200.00	20.00	16.00	36.00	12.00
	STA. 379 + 51	T0	STA. 380 + 66	115.00	11.50		11.50	3.83
SN	072–0131							
	STA. 383 + 80	T0	STA. 384 + 96	116.00	11.60		11.60	3.87
	STA. 384 + 96	T0	STA. 392 + 57	761.00	76.10	60.88	136.98	45.66
	STA. 392 + 57	T0	STA. 394 + 08	151.00	15.10		15.10	5.03
-								
SN	072–0132							
	STA. 383 + 57	T0	STA. 384 + 73	116.00	11.60		11.60	3.87
	STA. 384 + 73	T0	STA. 393 + 29	856.00	85.60	68.48	154.08	51.36
	STA. 393 + 29	T0	STA. 394 + 73	144.00	14.40		14.40	4.80
SN	072–0130							
	STA. 375 + 93	T0	STA. 377 + 39	146.00	14.60		14.60	4.87
	STA. 377 + 39	T0	STA. 379 + 51	212.00	21.20		21.20	7.07
	STA. 379 + 51	T0	STA. 380 + 66	115.00	11.50		11.50	3.83
SN	072–0127							
	STA. 346 + 14	T0	STA. 347 + 67	153.00	15.30		15.30	5.10
	STA. 360 + 19	T0	STA. 361 + 35	116.00	11.60		11.60	3.87

ENGINEER'S FIELD OFFICE, TYPE A			
LOCATION	CAL MO		
JOB SITE	18		
TOTAL	18		

MOBILIZATION		
LOCATION	L SUM	
JOB SITE	1	
TOTAL	1	

TRAINEES					
LOCATION	HOURS				
JOB SITE	1000				
TOTAL	1000				

TRAINEES TRAIN	ING PROGRAM GRADUATE
LOCATION	HOURS
JOB SITE	1000
TOTAL	1000

TRAFFIC CONTROL SURVEILLANCE			
LOCATION	CAL DAY		
JOB SITE	3		
TOTAL	3		

USER NAME = lababidism	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2017	DATE -	REVISED -

SCALE:

USER NAME = lababidism	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2017	DATE -	REVISED -

					F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SCHEDULE	OF QUA	ANTITIES		474	72-4(HB,HVB-1,HVB)B-R	PEORIA	196	16
							CONTRACT	NO. 68	3887
SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

^{*} ONE RELOCATE FOR STAGE II AND TWO RELOCATES FOR WINTER SHUT DOWN

REMOVE AND RE-ERECT STEEL PLA	ATE BEAM GUARD RAIL, TYPE A
LOCATION	FT
KICKAPOO CREEK ROAD SN 072-0127 & SN 072-0128	25
TOTAL	25

RAILROAD PROTECTIVE LIABILITY INSURANCE			
LOCATION L SUM			
JOB SITE	1		
TOTAL 1			

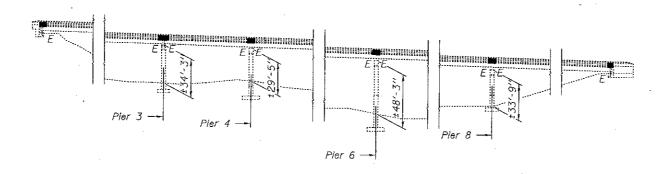
TRAFFIC CONTROL AND	PROTECTION, STANDARD SPECIAL
LOCATION	L SUM
JOB SITE	1
TOTAL	1

USER NAME = lababidism	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2017	DATE -	REVISED -

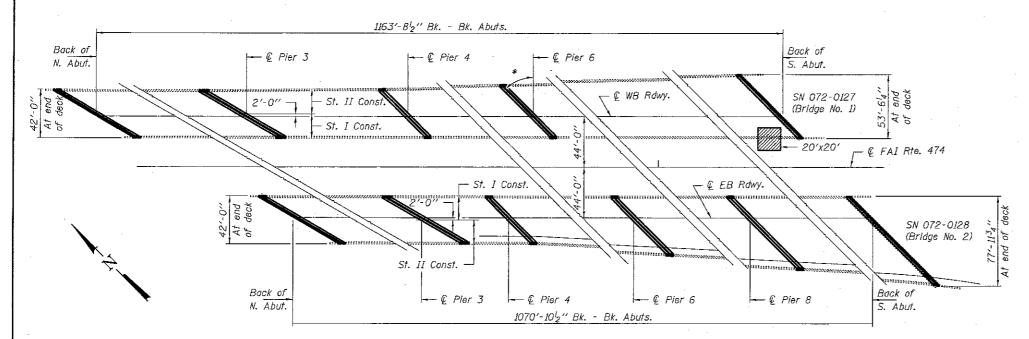
STATE OF ILLINOIS							
DEPARTMENT	0F	TRANSPORTATION					

SCALE:

CONTRAINE OF CHANGETIES							SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULE OF QUANTITIES					474	72-4(HB,HVB-1,HVB)B-R	PEORIA	196	17	
								CONTRACT	NO. 68	3887
	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT			



ELEVATION



PLAN

Hatched areas indicate Slopewall Slurry Pumping,

JANUARY 31, 2018

* 60° (N. Abut. & Pier 3) 45° (Piers 4, 6, 8 & S. Abut.)

TOTAL BILL OF MATERIAL

	ITEM	UNIT	QUANTITY
**	Protective Coat	Sq. Yd.	506
	Concrete Removal	Cu. Yd.	183.0
	Concrete Structures	Cu. Yd.	7.1
	Concrete Superstructure	Cu. Yd.	182.7
	Furnishing and Erecting Structural Steel	Pound	17480
-	Reinforcement Bars, Epoxy Coated	Pound	27890
	Bar Splicers	Each	228
	Mechanical Splicers	Each	727
	Preformed Joint Strip Seal	Foot	460
	Elastomeric Bearing Assembly, Type I	Each	87
	Elastomeric Bearing Assembly, Type II	Each	32
	Anchor Bolts 1"#	Each	240
	Containment and Disposal of Lead Paint Cleaning Residues No. 1	L. Sum	1
	Containment and Disposal of Lead Paint Cleaning Residues No. 2	L. Sum	1
	Jack and Remove Existing Bearings	Each	79
	Temporary Shoring and Cribbing	: Each	40
	Cleaning and Painting Steel Bridge No. 1	L. Sum	1
	Cleaning and Painting Steel Bridge No. 2	L. Sum	1
	Structural Repair of Concrete (Depth ≤ 5")	Sq. Ft.	1637
	Modular Expansion Joint 6"	Foot	393
	Slopewall Slurry Pumping	Cu. Yd.	14.9
**	On new concrete adjacent to joints only.		

DAVID CARL PUZEY 081-005470 STRINGFIELD AND CARL PUZEY

EXPIRES 11-30-2018

DESIGNED
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PASSED ENGINEER OF BRIDGES ON STRUCTURES

DATE

REVISED

REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION
FAI 474 OVER CHICAGO & NORTHWESTERN RR
SN 072-0127 (WB) & 072-0128 (EB)
SHEET NO. 1 OF 64 SHEETS

GENERAL NOTES

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

Reinforcement bars designated (E) shall be epoxy coated.

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.

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.

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.

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs.

when the deck is poured at an ambient temperature other than 50° F. Fasteners shall be high strength bolts. Bolts $^34'$, open holes 13_6 ' 4 , unless

otherwise noted.

The existing structural steel coating contains lead. The Contractor should take

appropriate precautions to deal with the presence of lead on this project.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". Areas to be cleaned and painted shall consist of all beam ends, end diaphragms and steel components of the steel bearings at the abutments and expansion piers. Beam end painting shall extend 5 feet from the ends of the beams longitudinally. Also included shall be the exterior surface and the bottom of the bottom flange of fascia beams for the entire length of the structure. This surface preparation shall be accomplished according to the requirements of Near-White Metal Blast Cleaning SSPC-SP 10. The paint system shall be applied as specified for System 1 0Z/E/U. The color of the final finish coat shall be Warm Gray, Munsell No. 2.5Y 5/1.

Containment and disposal as specified shall follow the special provision for "Containment and Disposal of Lead Paint Cleaning Residue". The use of two air monitors will be required to monitor abrasive blasting operations.

The painting contractor shall be SSPC-QP 1 and SSPC-QP 2 certified for this project and shall maintain certification throughout the duration of the project.

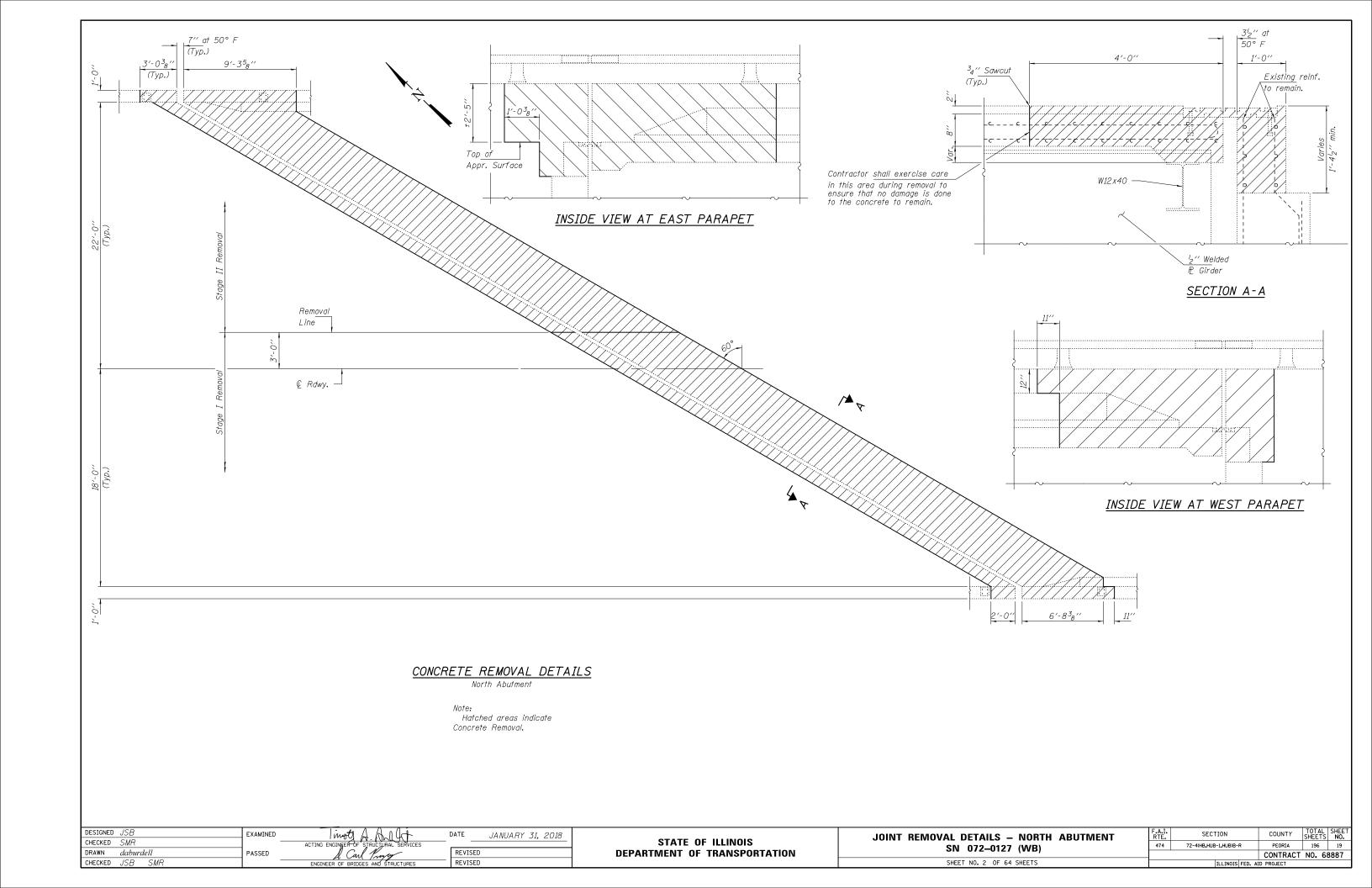
Care shall be taken not to damage righter begging or joint components during the

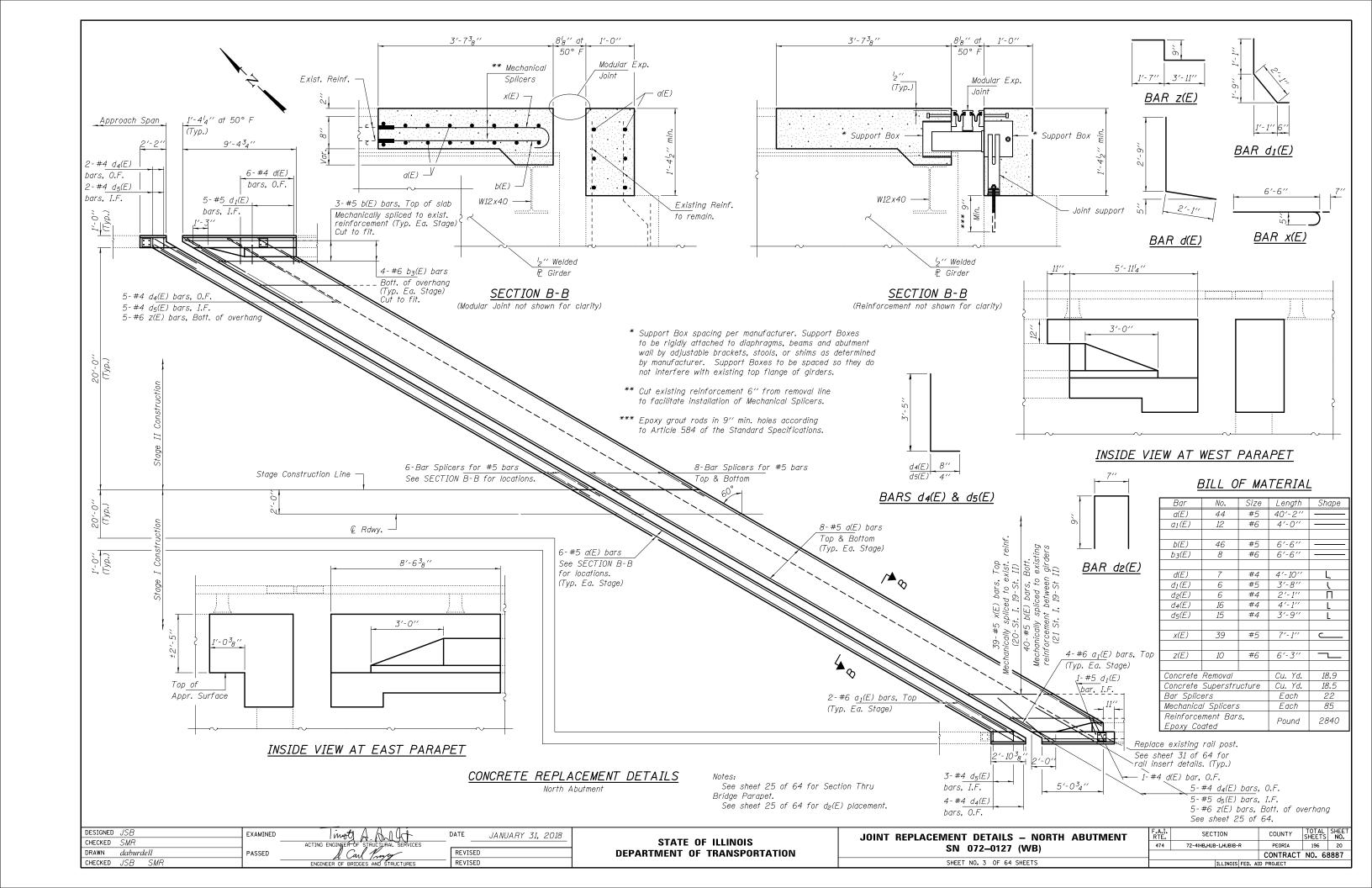
Care shall be taken not to damage rubber bearing or joint components during the blasting and cleaning operations. Any damage to these components shall be repaired at the contractor's expense.

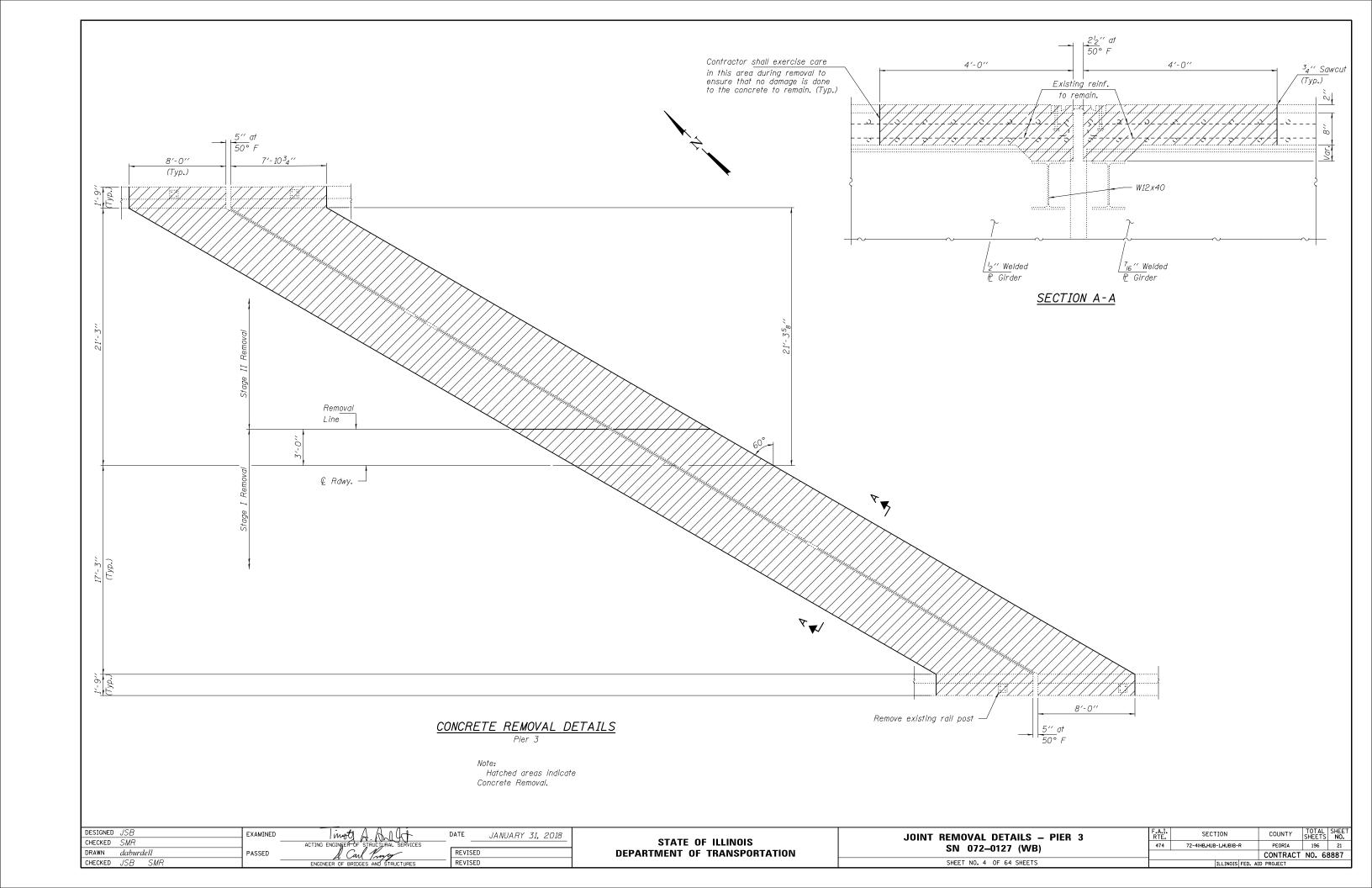
Surface preparation at the construction joints shall be performed using high-pressurized water spray, using equipment capable of producing a minimum water pressure of 5000 psi.

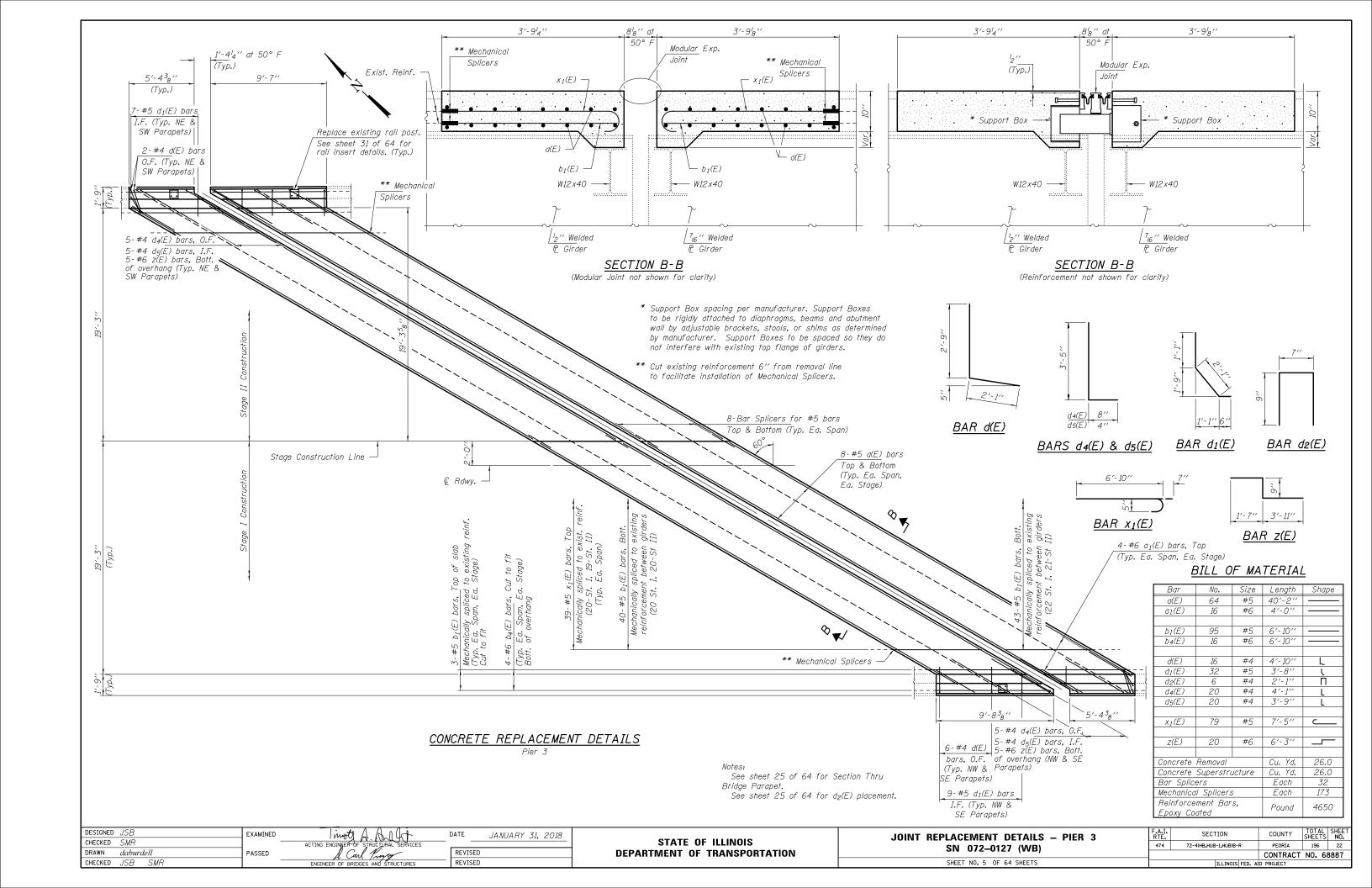
Cleaning and painting of beam ends shall be performed after the concrete removal at the joints has been completed and prior to the installation of any forms for the placement of the new concrete at those locations.

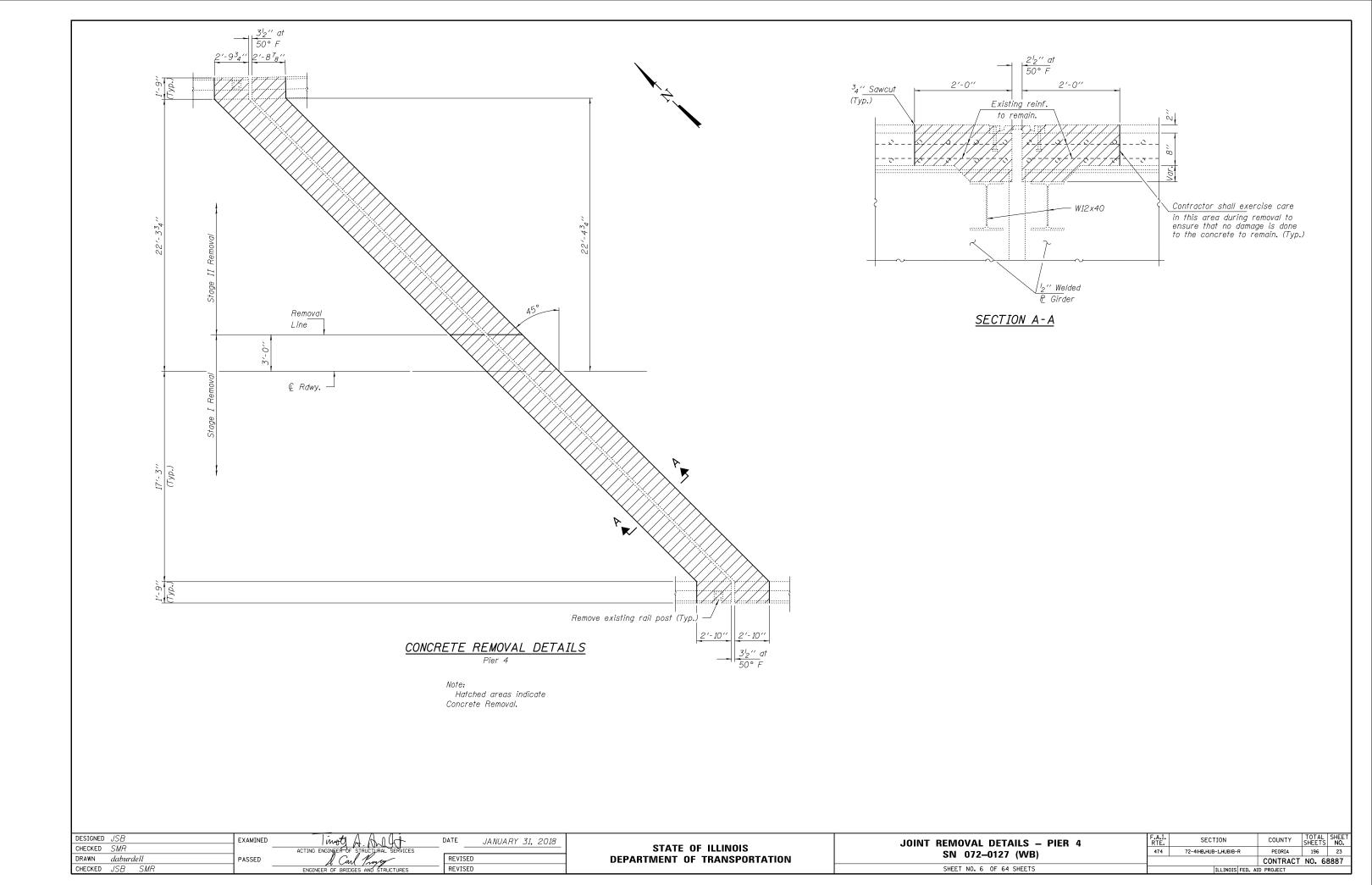
The steel components for the Modular Expansion Joints shall be hot-dip galvanized. See Special Provision for "Hot Dip Glavanizing for Structural Steel."

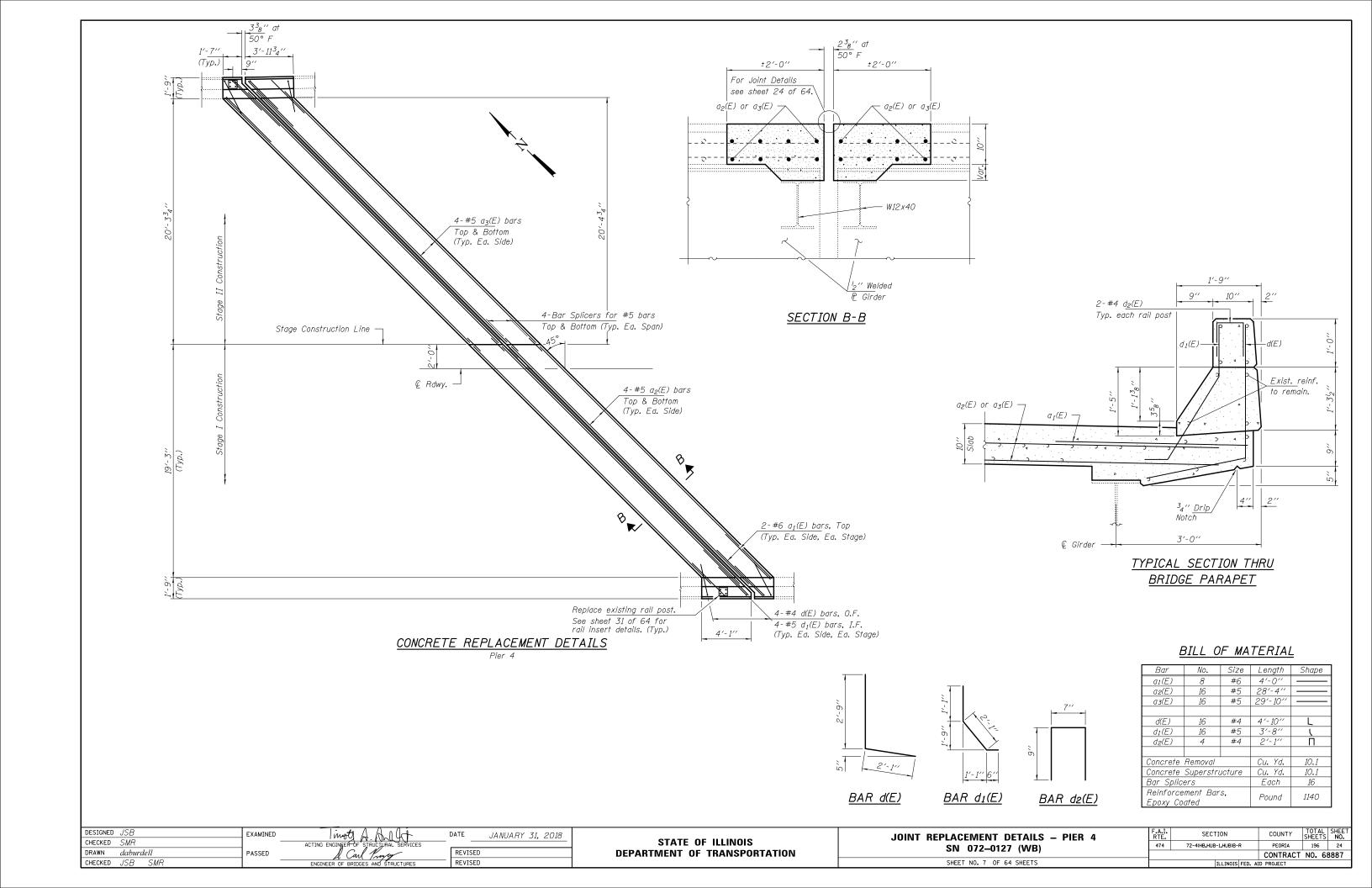


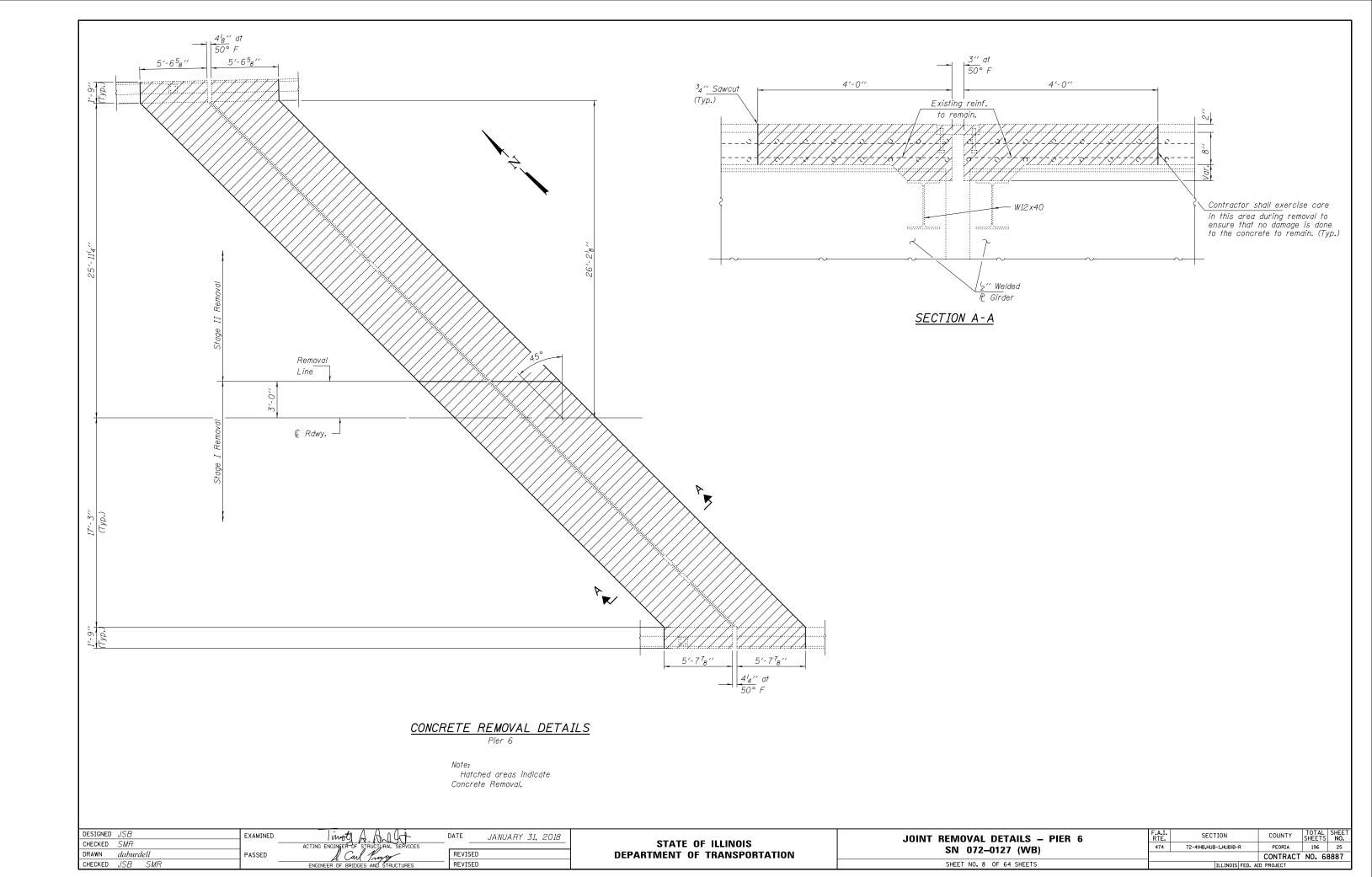


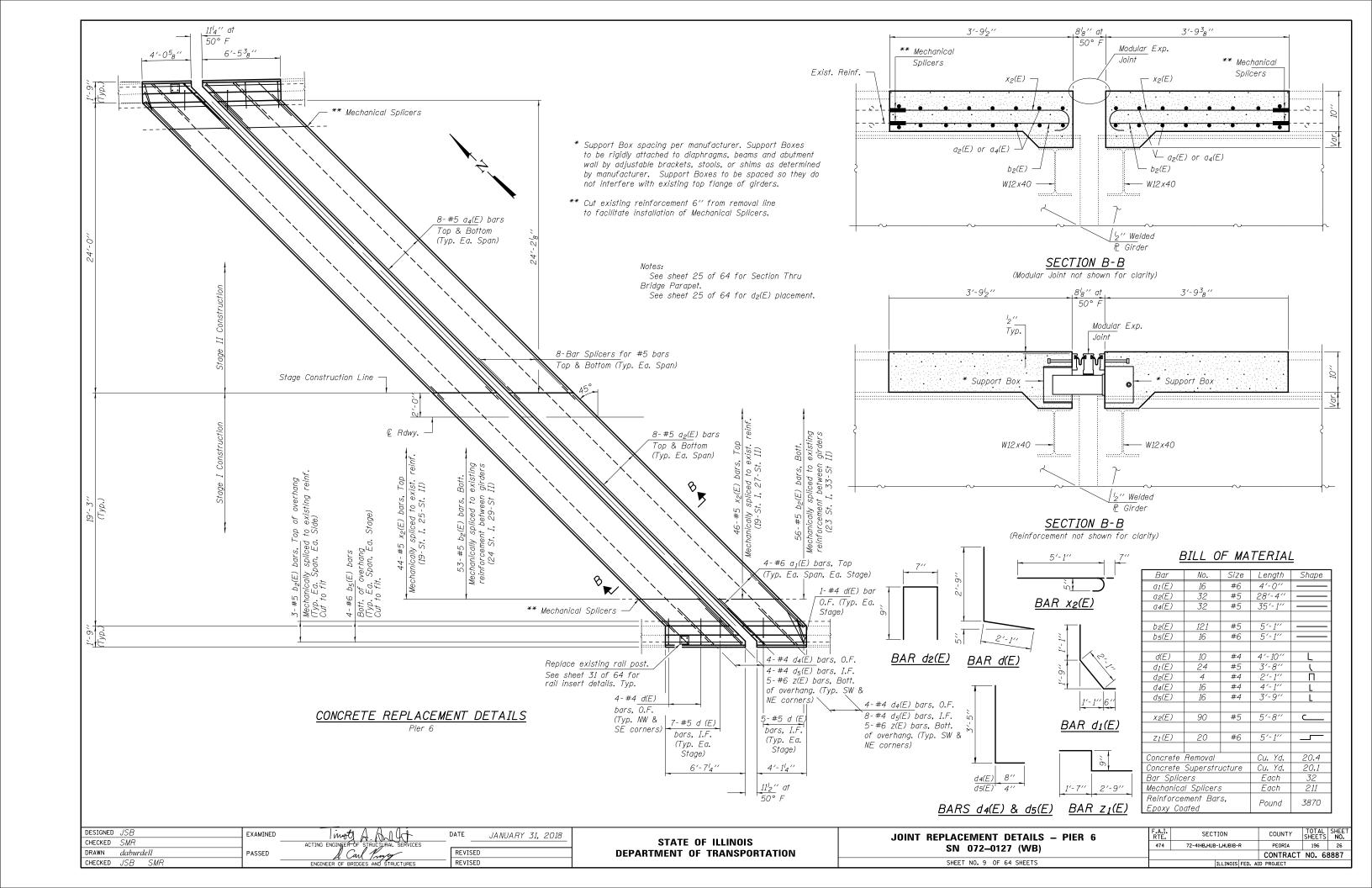


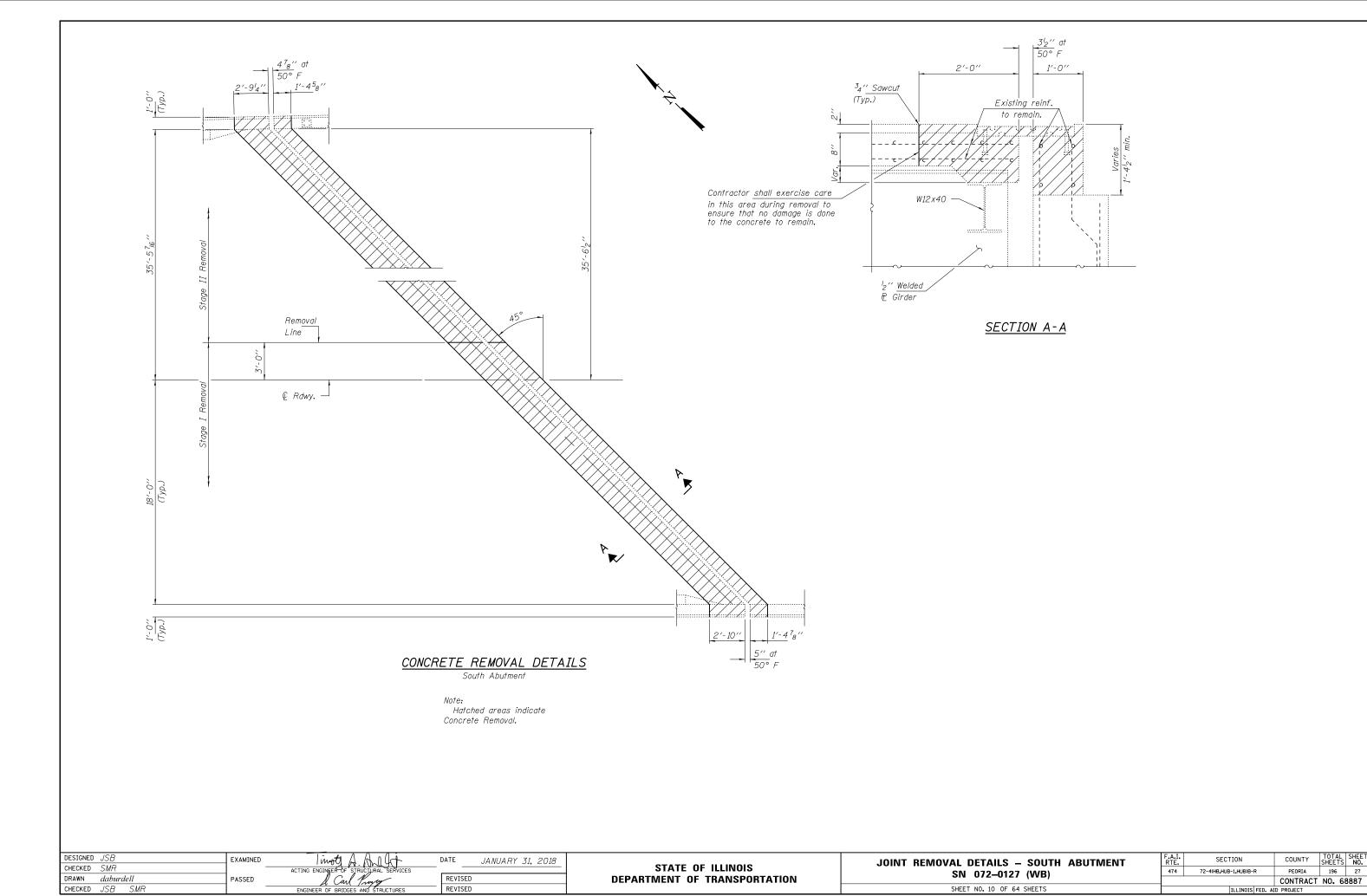


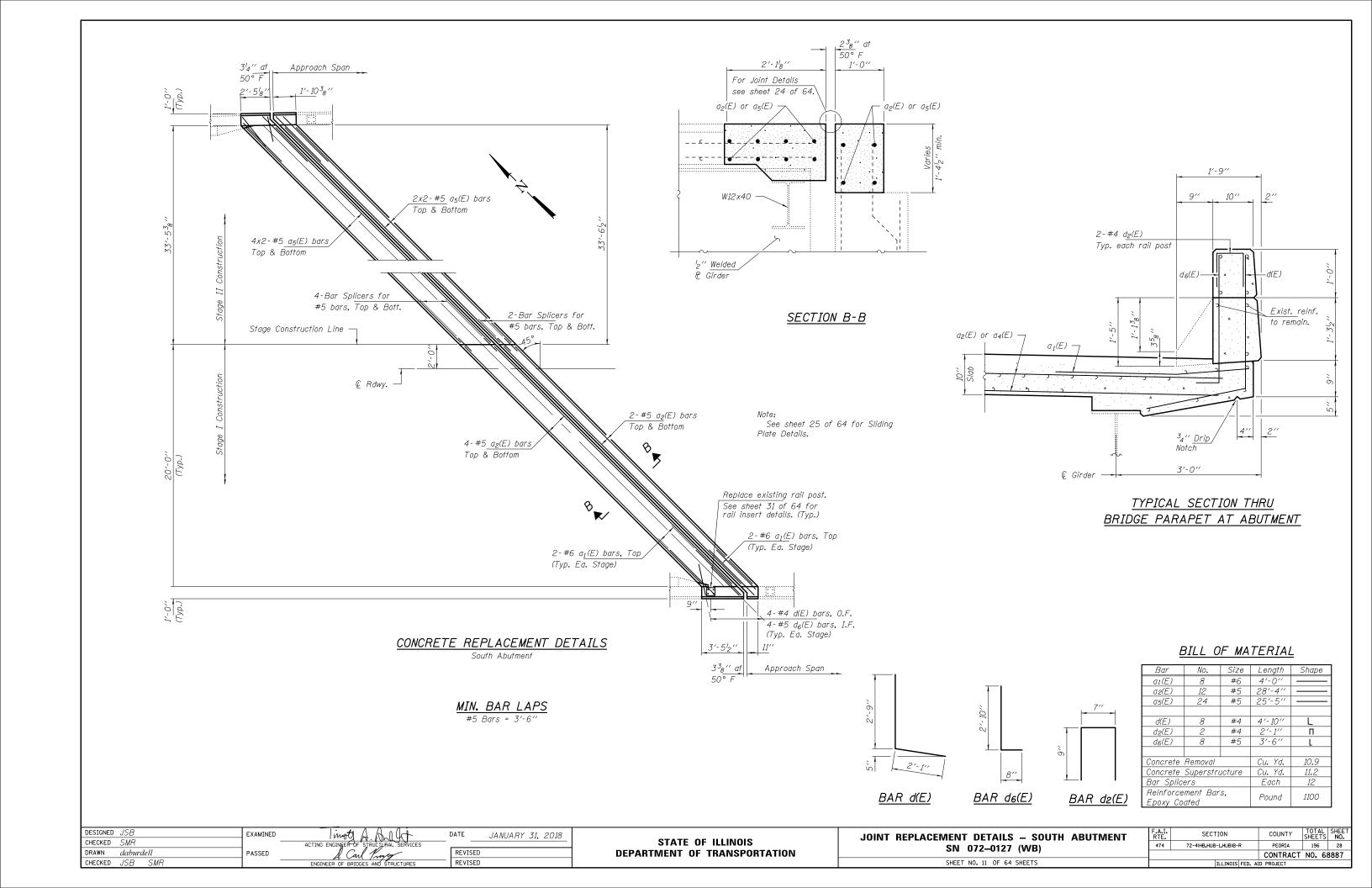


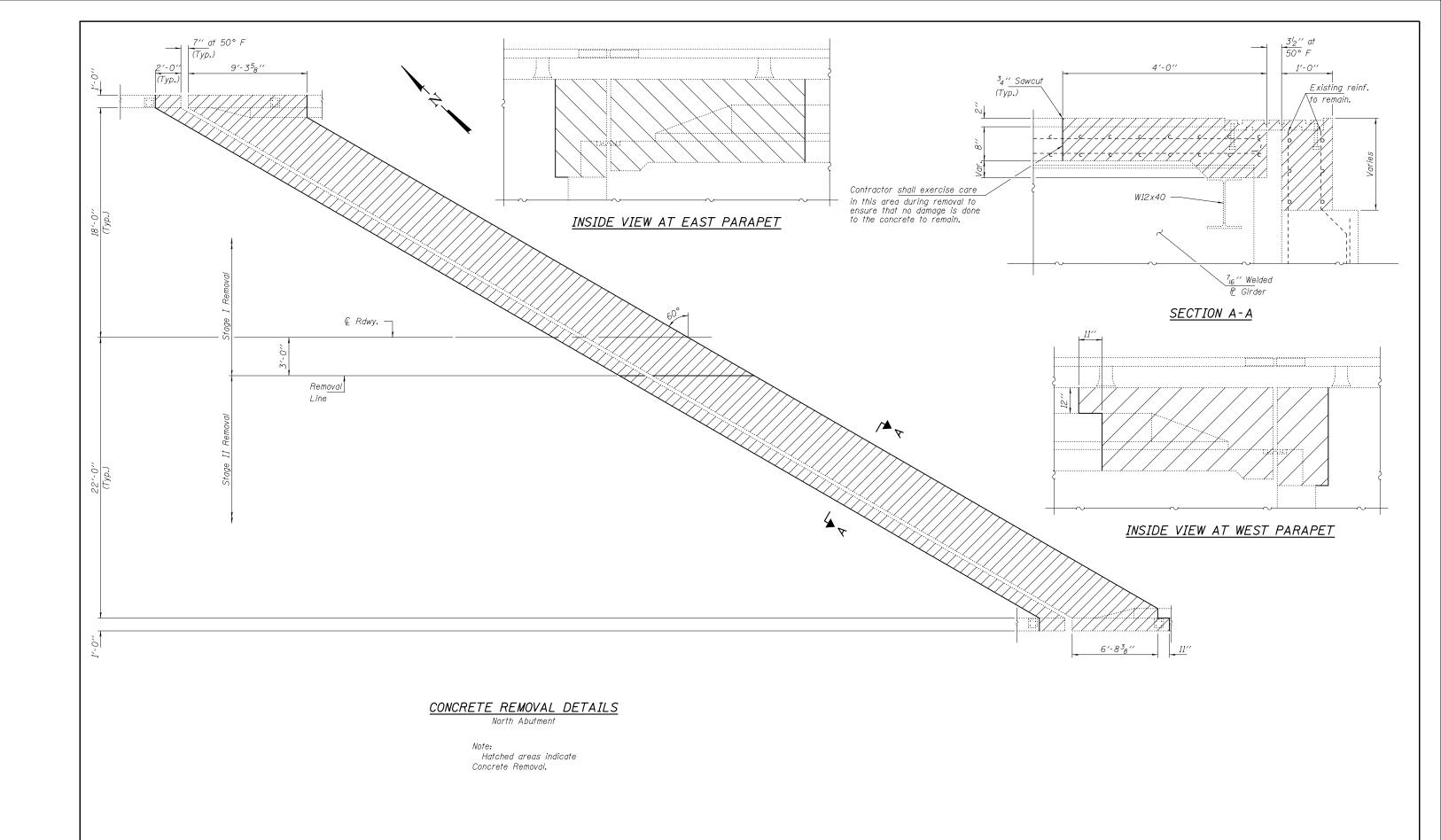




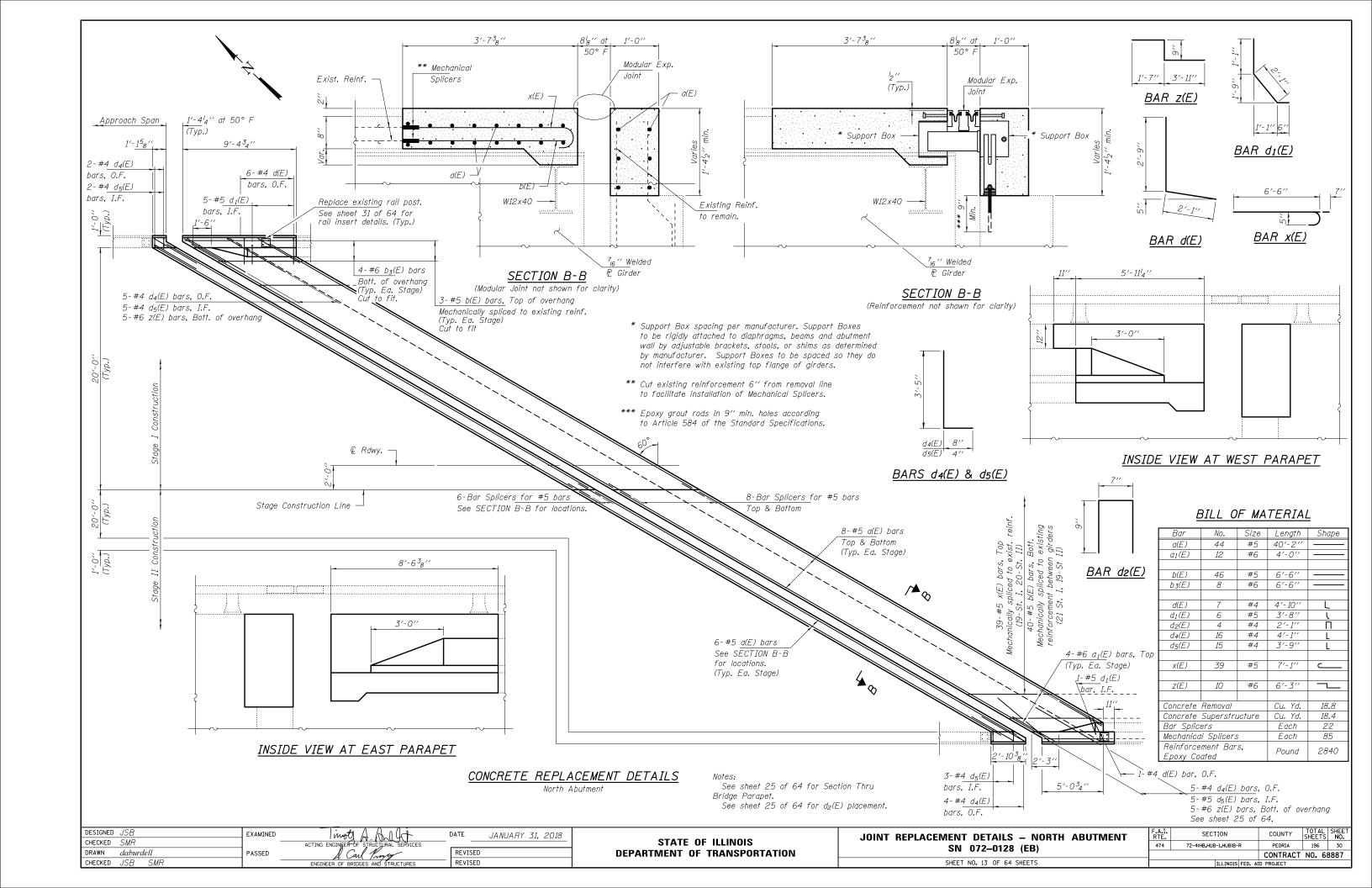


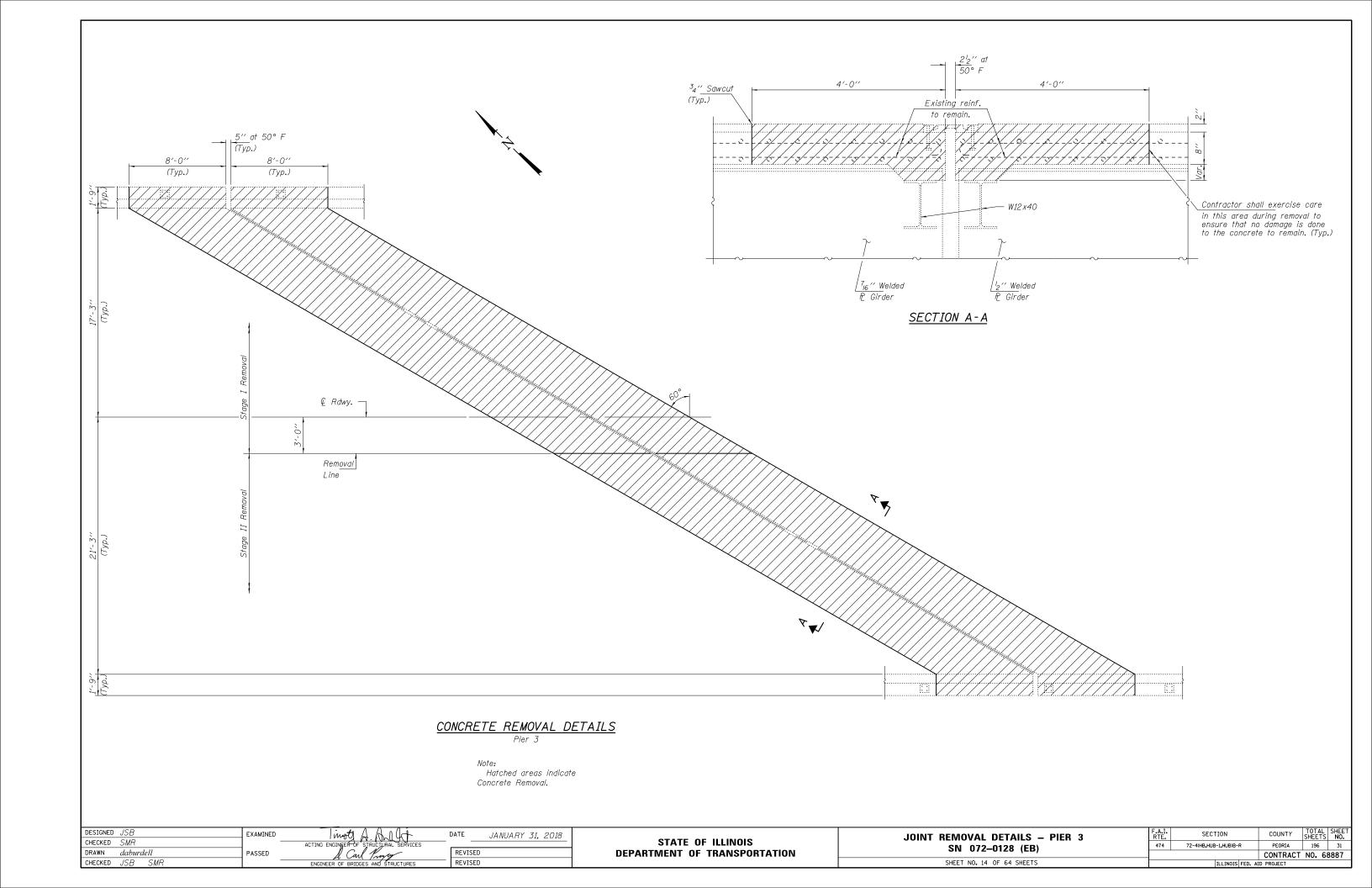


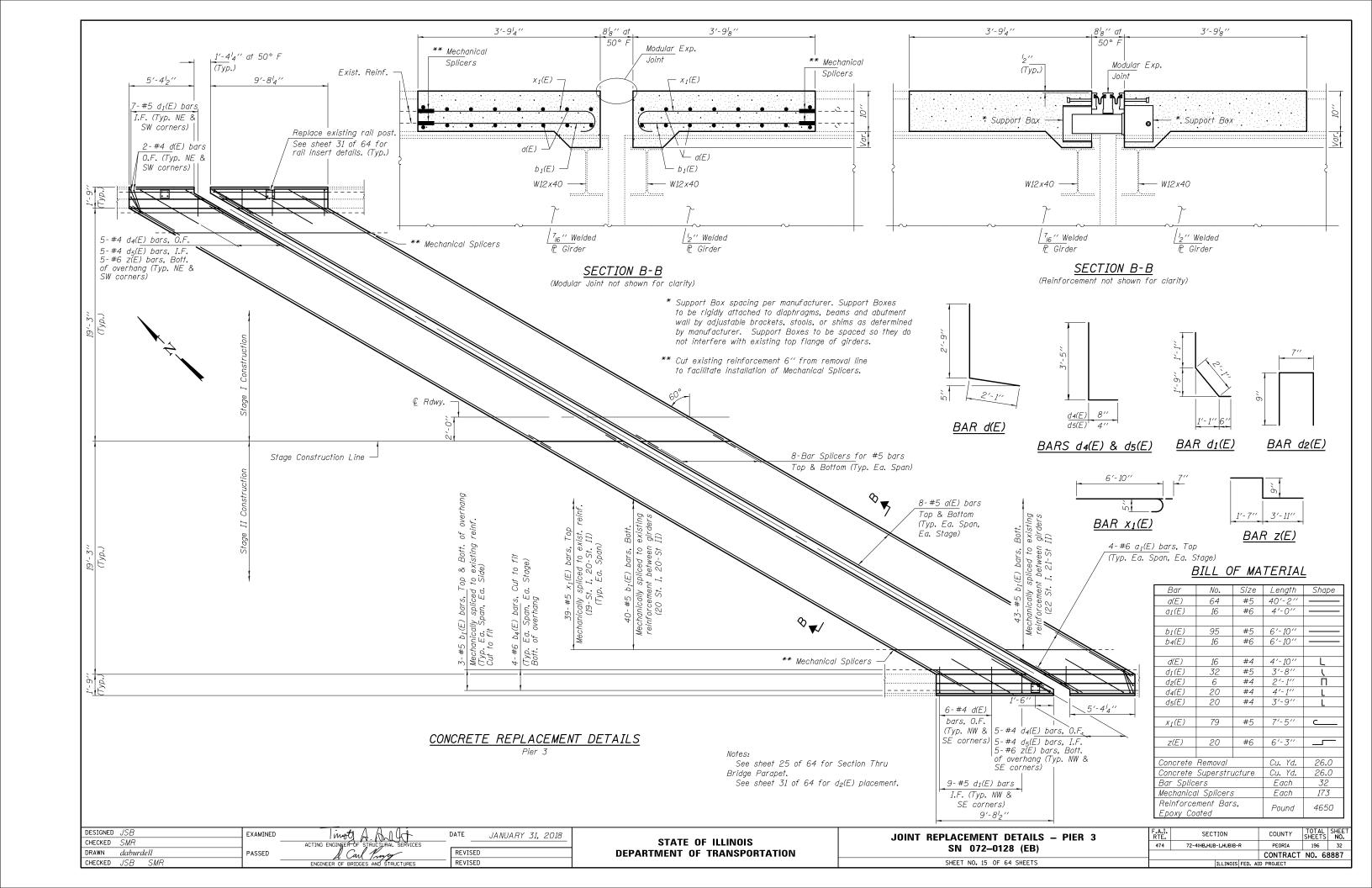


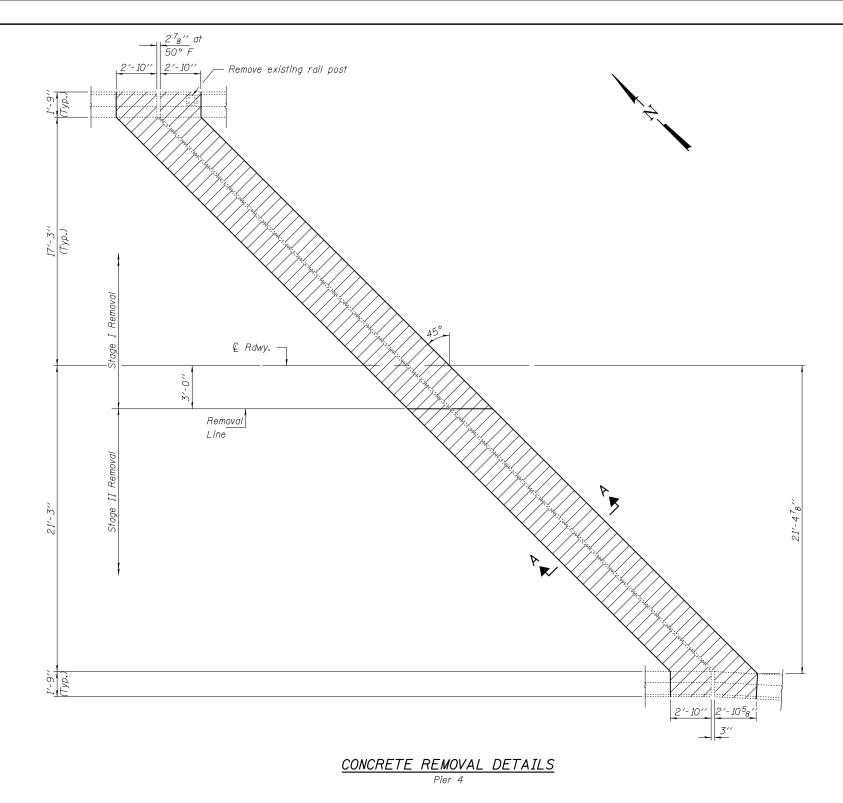


DESIGNED JSB	EXAMINED	I mot A All It	DATE JANUARY 31, 2018	07.77 07 11.19.010	JOINT REMOVAL DETAILS - NORTH ABUTMENT	F.A.I. RTE.	SECTION	COUNTY	S
CHECKED SMR	⊣ '	ACTING ENGINEER OF STRUCTURAL SERVICES A Can have REVISED		STATE OF ILLINOIS	SN 072-0128 (EB)	474	72-4(HB,HUB-1,HUB)B-R	PEORIA	Г
DRAWN daburdell	PASSED		Munity DEPARTMENT OF TRANSPORTATION	` '			CONTRACT	Ī	
CHECKED JSB SMR	ED JSB SMR ENGINEER OF BRIDGES AND STRUCTURES		REVISED		SHEET NO. 12 OF 64 SHEETS		ILLINOIS FED.	AID PROJECT	

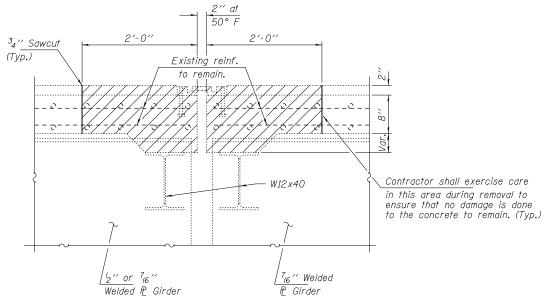








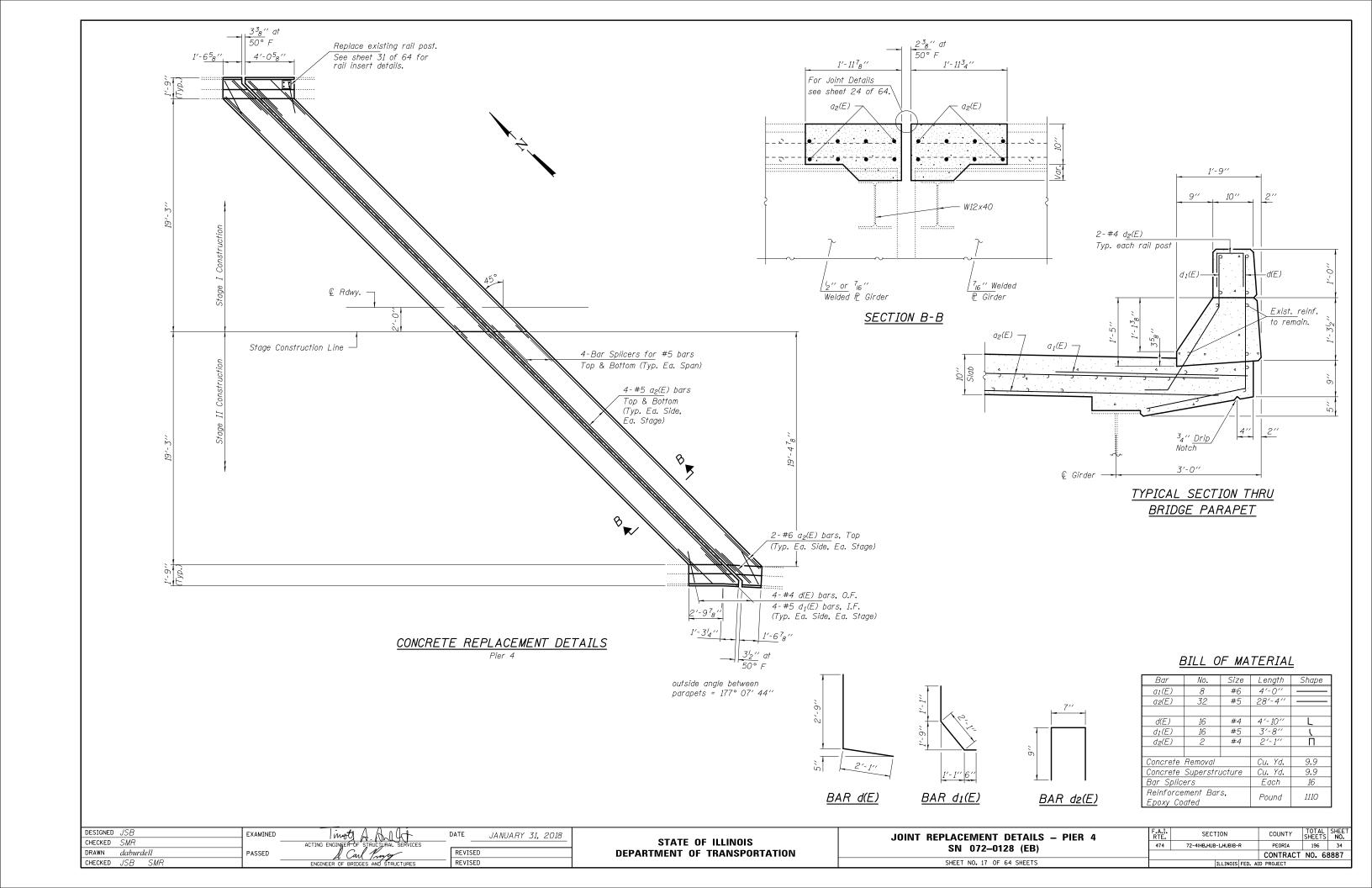
Note: Hatched areas indicate Concrete Removal.

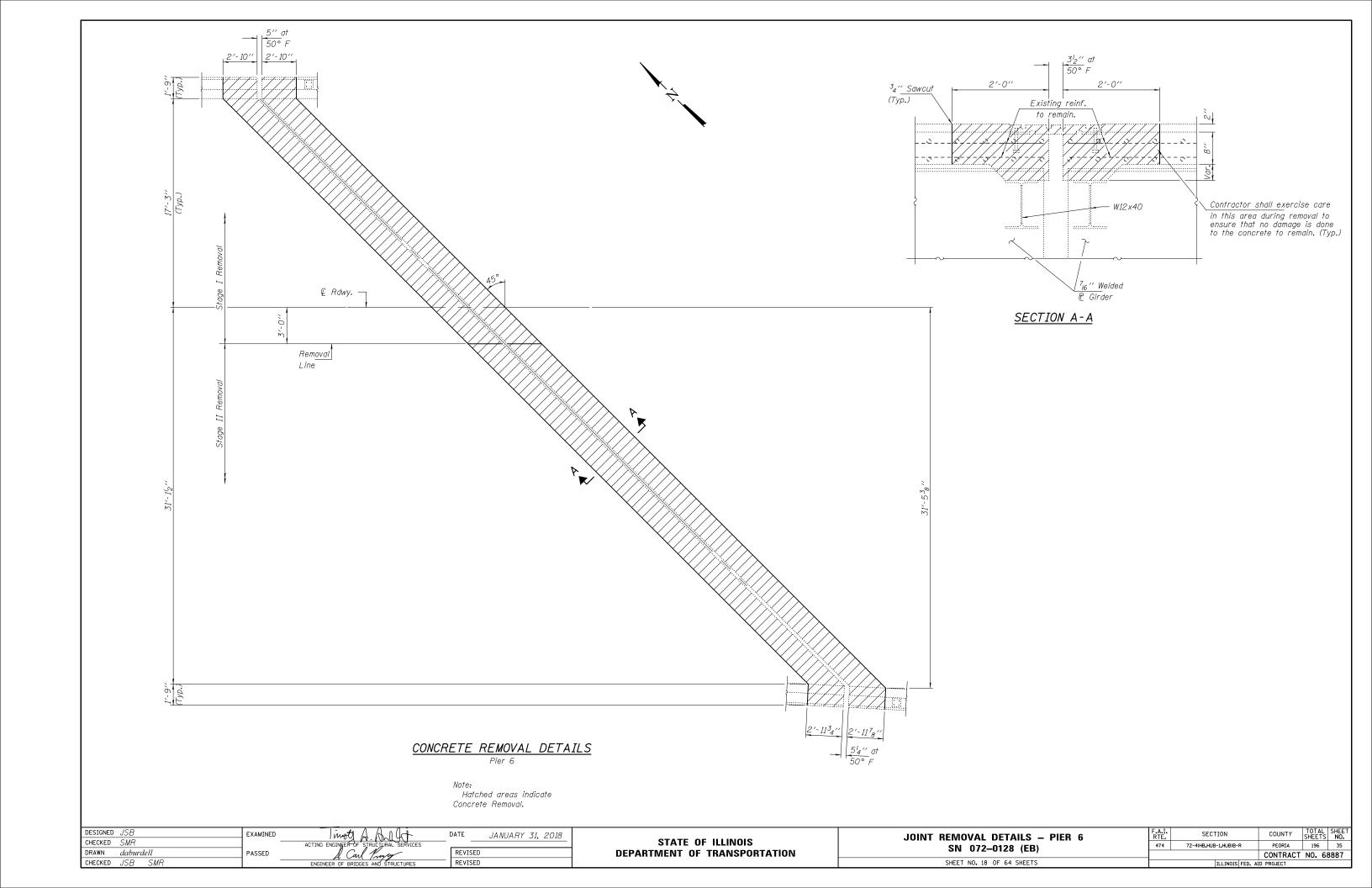


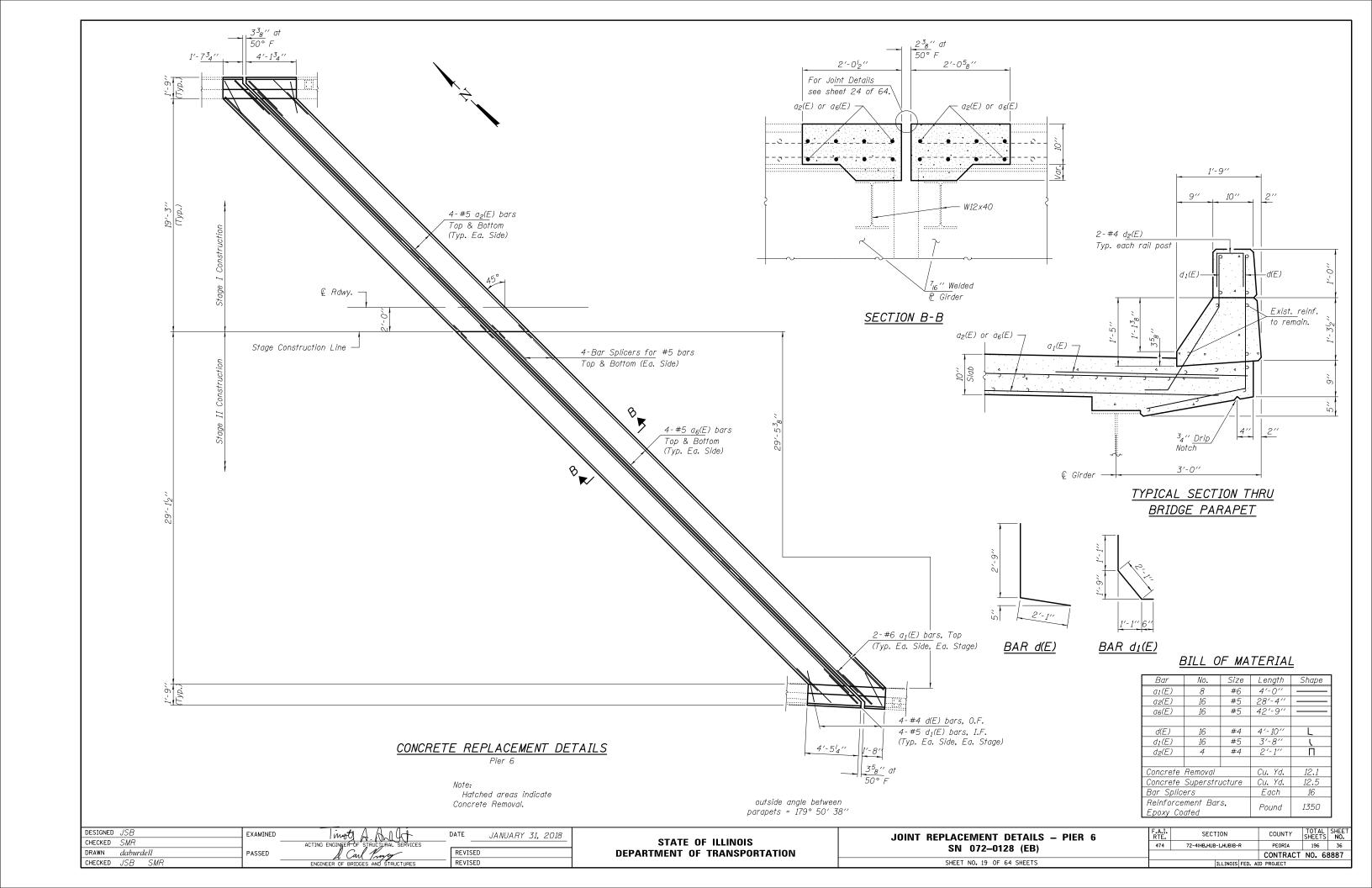
SECTION A-A

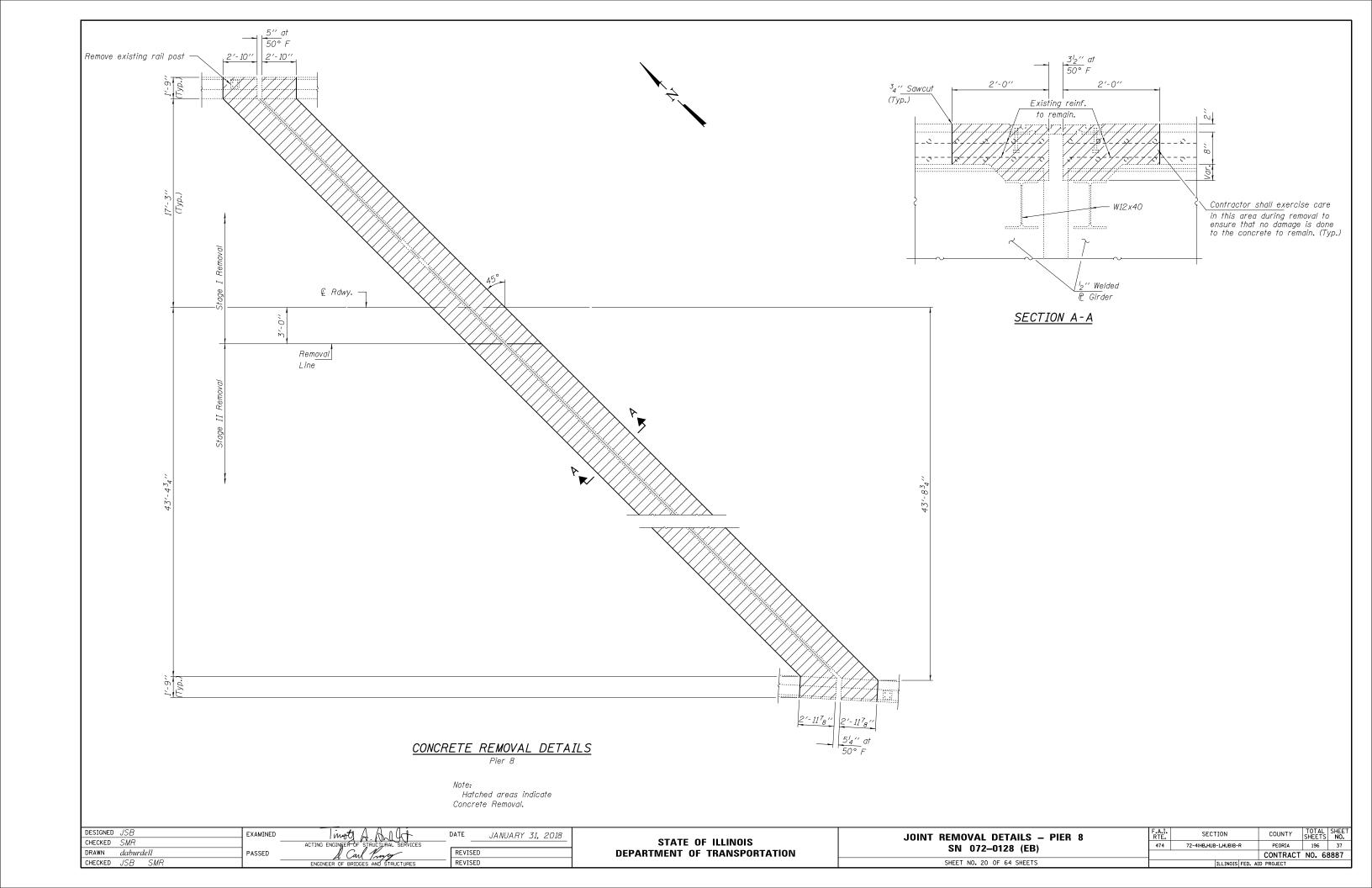
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CHECKED SMR		ACTING ENGINEER OF STRUCTURAL SERVICES		
DRAWN daburdell	PASSED	d Carl Prayey	REVISED	
CHECKED JSB SMR	1	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

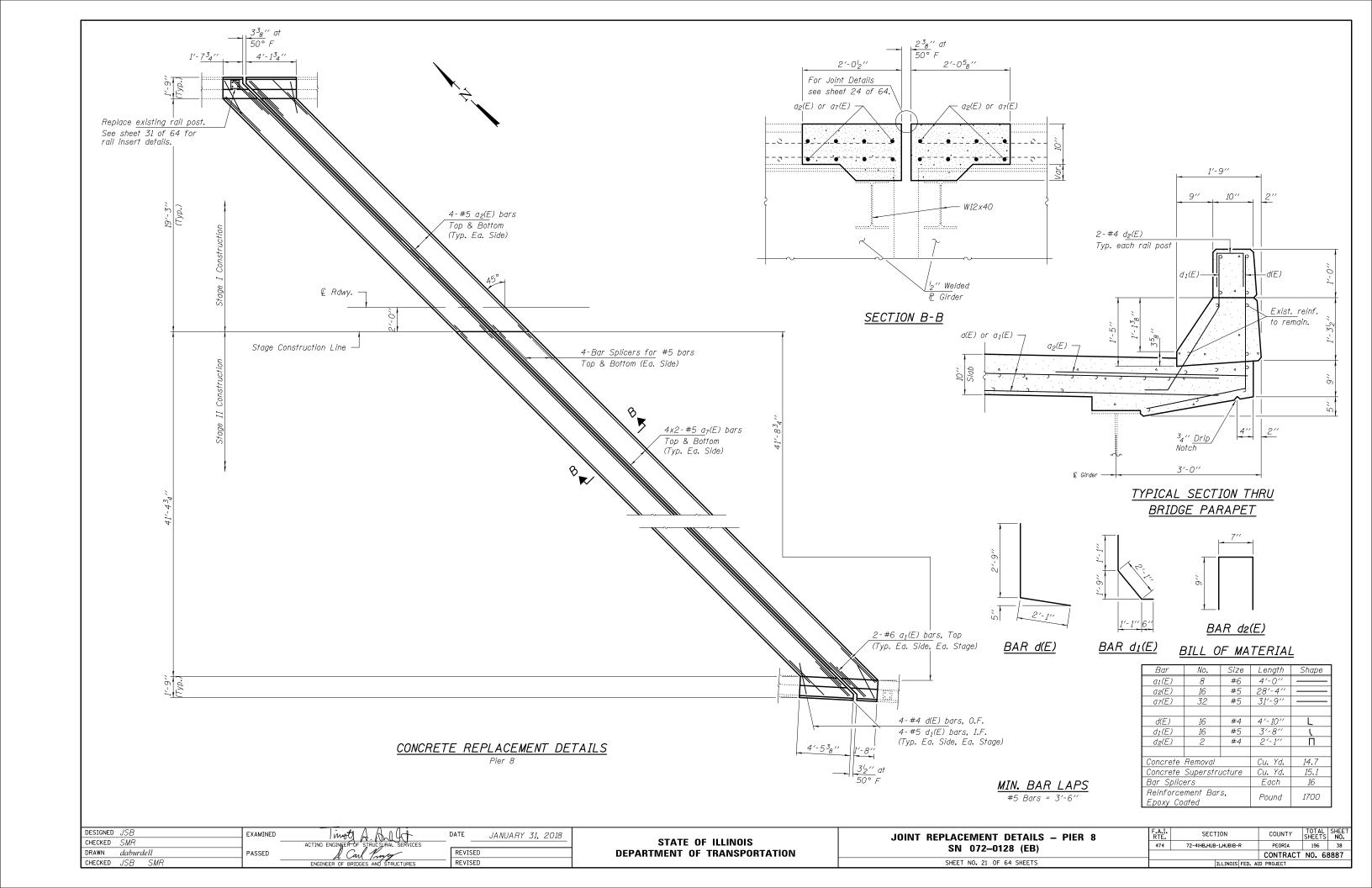
JOINT REMOVAL DETAILS - PIER 4 SN 072-0128 (EB)		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		72-4(HB,HUB-1,HUB)B-R	PEORIA	196	33
014 072 0120 (ED)			CONTRACT	NO. 6	8887
SHEFT NO. 16 OF 64 SHEFTS		TILITMOTE EED AT	D DDO IECT		

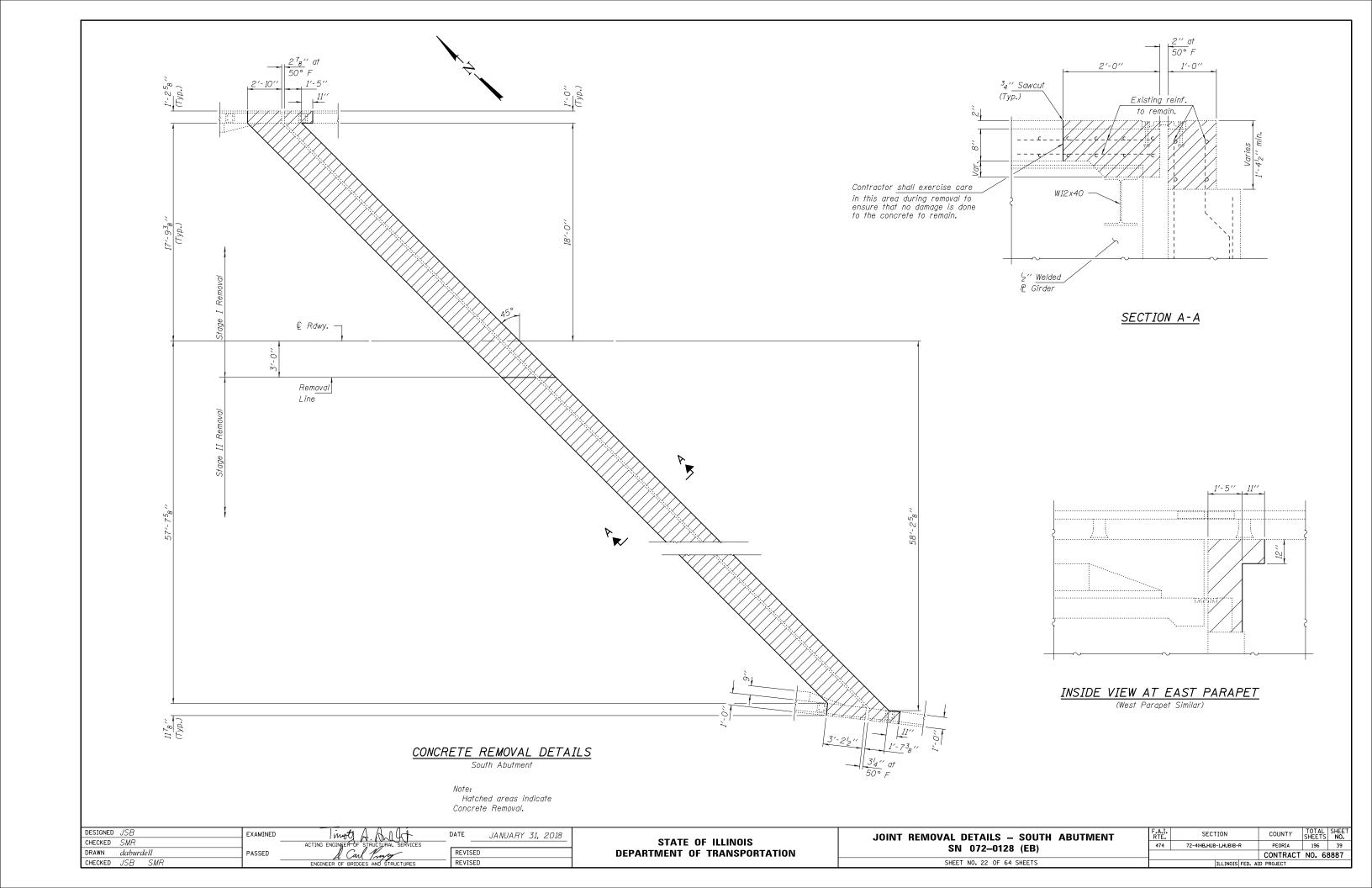


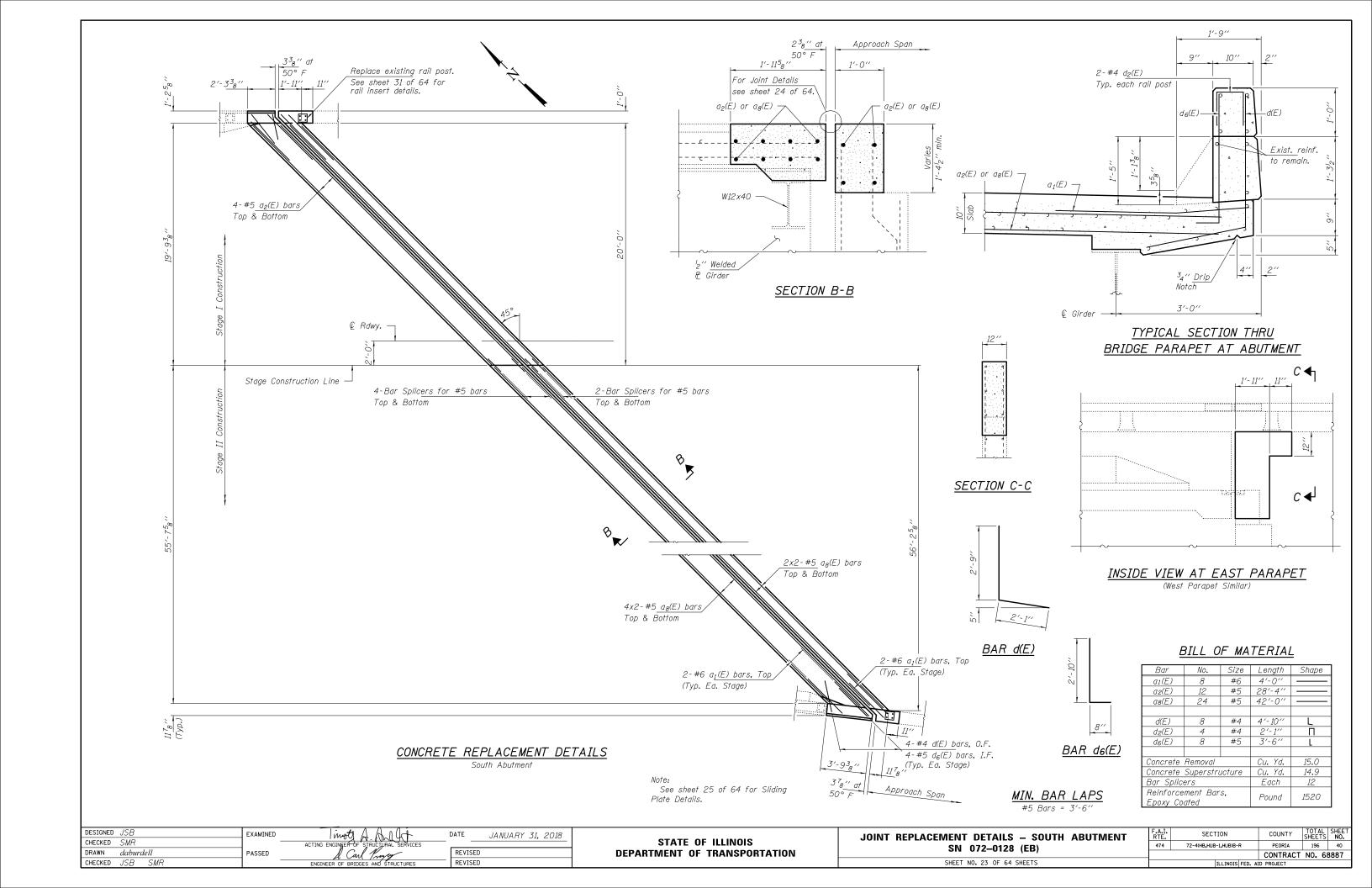


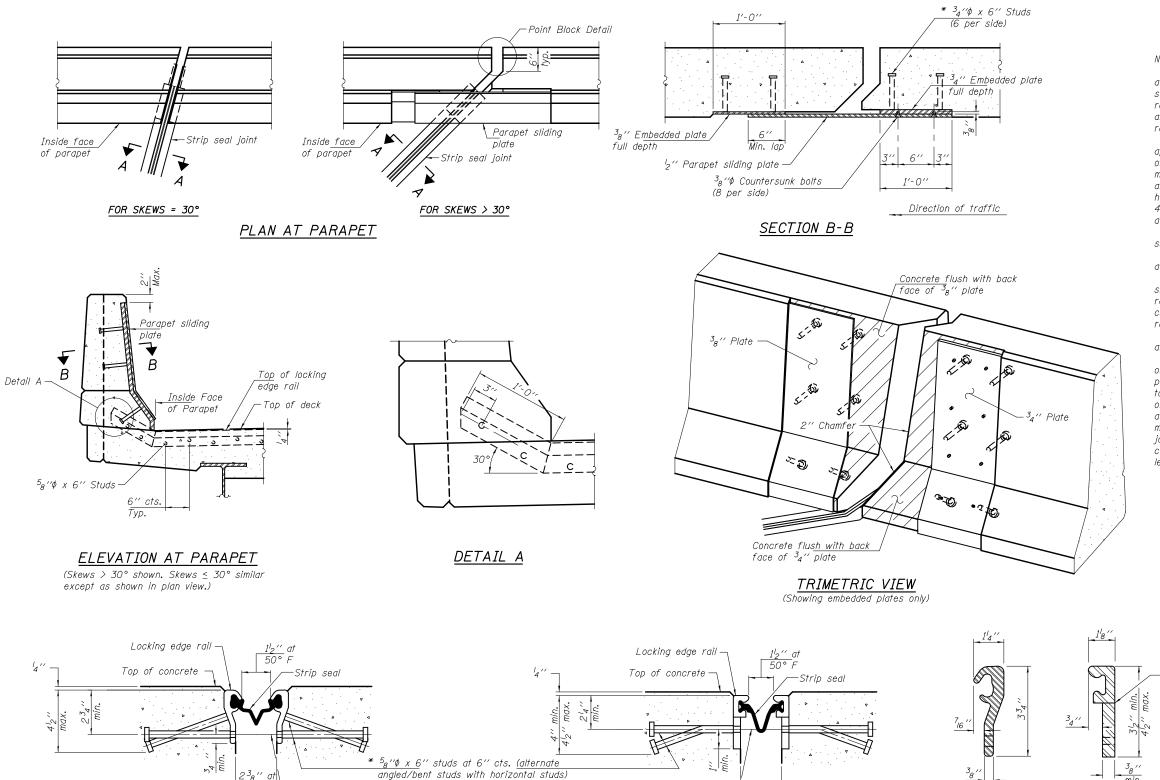












Notes:

The strip seal shall be made continuous and shall have a minimum thickness of $\frac{1}{4}$ ". 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 412" 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 3₁₆" 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.

Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.

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 RAIL SPLICE

Omit sed/

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	460

SECTION A-A

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

 $\frac{3}{8}$ "\$\phi\$ threaded rods in $\frac{7}{16}$ "\$\phi\$ holes at \$\pm 44'-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.

SHOWING WELDED RAIL JOINT

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**



LOCKING EDGE RAILS

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

WELDED RAIL

	_				
	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	474	72-4(HB,HUB-1,HUB)B-R	PEORIA	196	41
			CONTRACT	NO. 68	8887
ı		TI L THOTO FED. 43	ID DDO IECT		

DESIGNED JSB EXAMINED DATE JANUARY 31. 2018 CHECKED SMR DRAWN daburdell PASSED REVISED CHECKED JSB SMR REVISED

SHOWING ROLLED RAIL JOINT

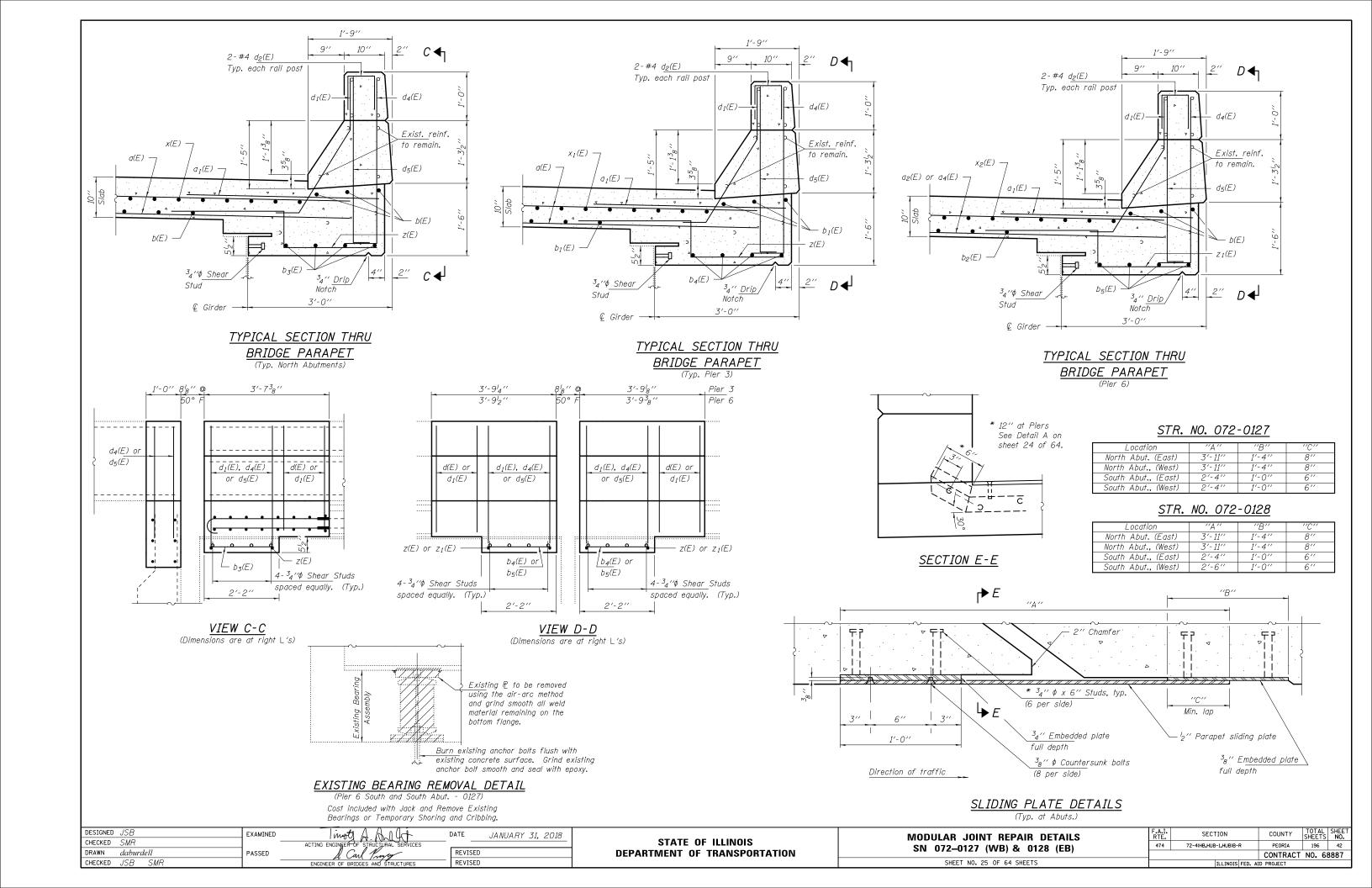
8-11-17

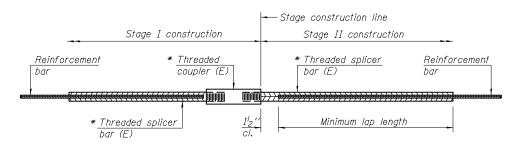
EJ-SS

SHEET NO. 24 OF 64 SHEETS

ROLLED

(EXTRUDED) RAIL





STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1_2^{l} " + thread length

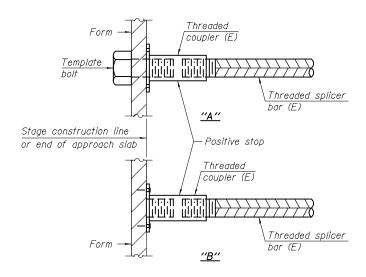
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

SN 072-0127

Location	Bar size	No. assemblies required	Minimum lap length
N. Abut. Deck	#5	16	3′-6′′
N. Abut. HB	#5	6	3'-4''
Pier 3	#5	32	3′-6′′
Pier 4	#5	16	3′-6′′
Pier 6	#5	32	3′-6′′
S. Abut. Deck	#5	8	3′-6′′
S. Abut. HB	#5	4	3′-6′′

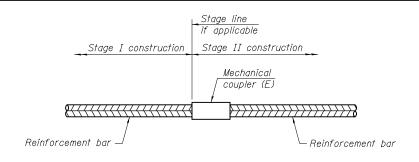
SN 072-0128

Location	Bar size	No. assemblies required	Minimum lap length
N. Abut. Deck	#5	16	3′-6′′
N. Abut. HB	#5	6	3'-4''
Pier 3	#5	32	3'-6''
Pier 4	#5	16	3'-6''
Pier 6	#5	16	3'-6''
Pier 8	#5	16	3'-6''
S. Abut. Deck	#5	8	3'-6''
S. Abut. HB	#5	4	3'-4''



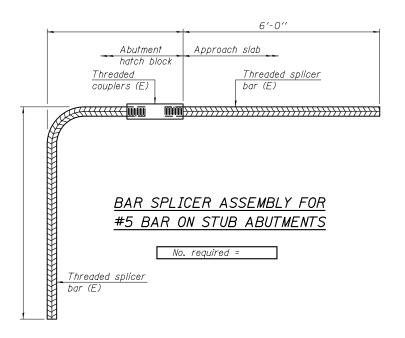
INSTALLATION AND SETTING METHODS

"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
072-0127 N. Abut.	#5	85
072-0127 Pier 3	#5	173
072-0127 Pier 6	#5	211
072-0128 N. Abut.	#5	85
072-0128 Pier 3	#5	173



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.

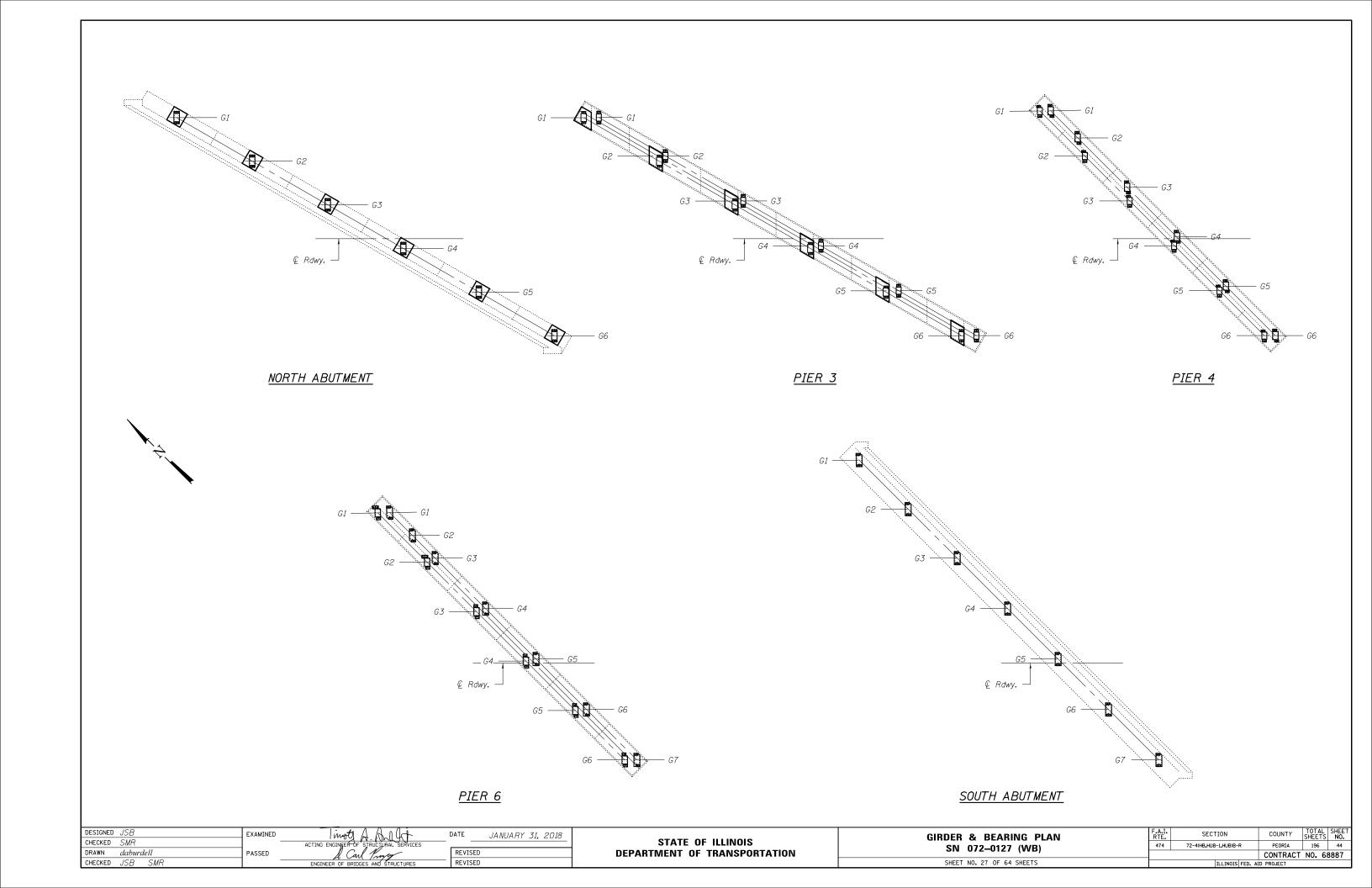
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

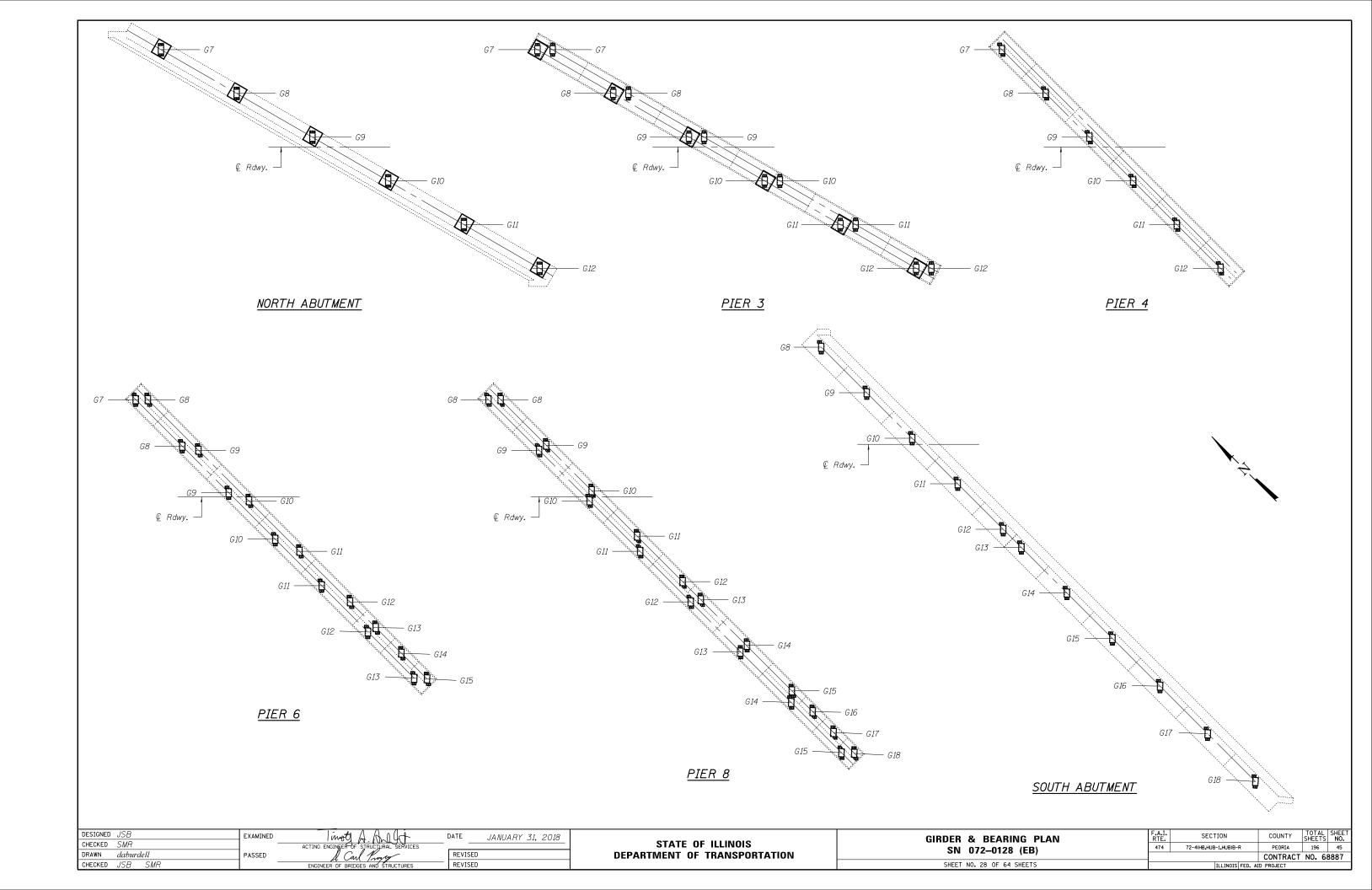
BSD-1

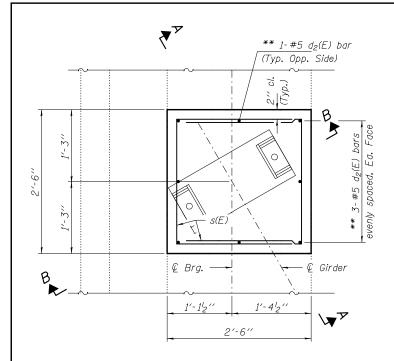
6-8-15

DESIGNED	JSB	EXAMINED	I mot A A I G	DATE	JANUARY 31. 2018
CHECKED	SMR		ACTING ENGINEER OF STRUCTURAL SERVICES		
DRAWN	daburdell	PASSED	S. Carl Prayey	REVISED	
CHECKED	JSB SMR		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

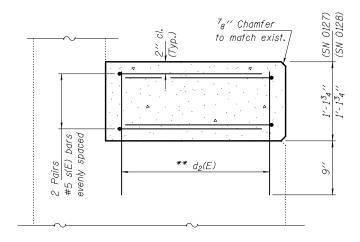
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION





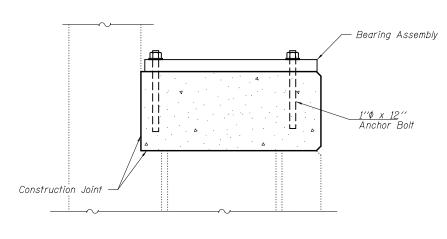


ABUTMENT PEDESTAL PLAN - (G1 THRU G12)

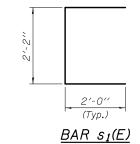


SECTION A-A

** Epoxy grout bars in accordance with Article 584 of the Standard Specifications. Cost is included in cost of Reinforcement Bars, Epoxy Coated.



SECTION B-B

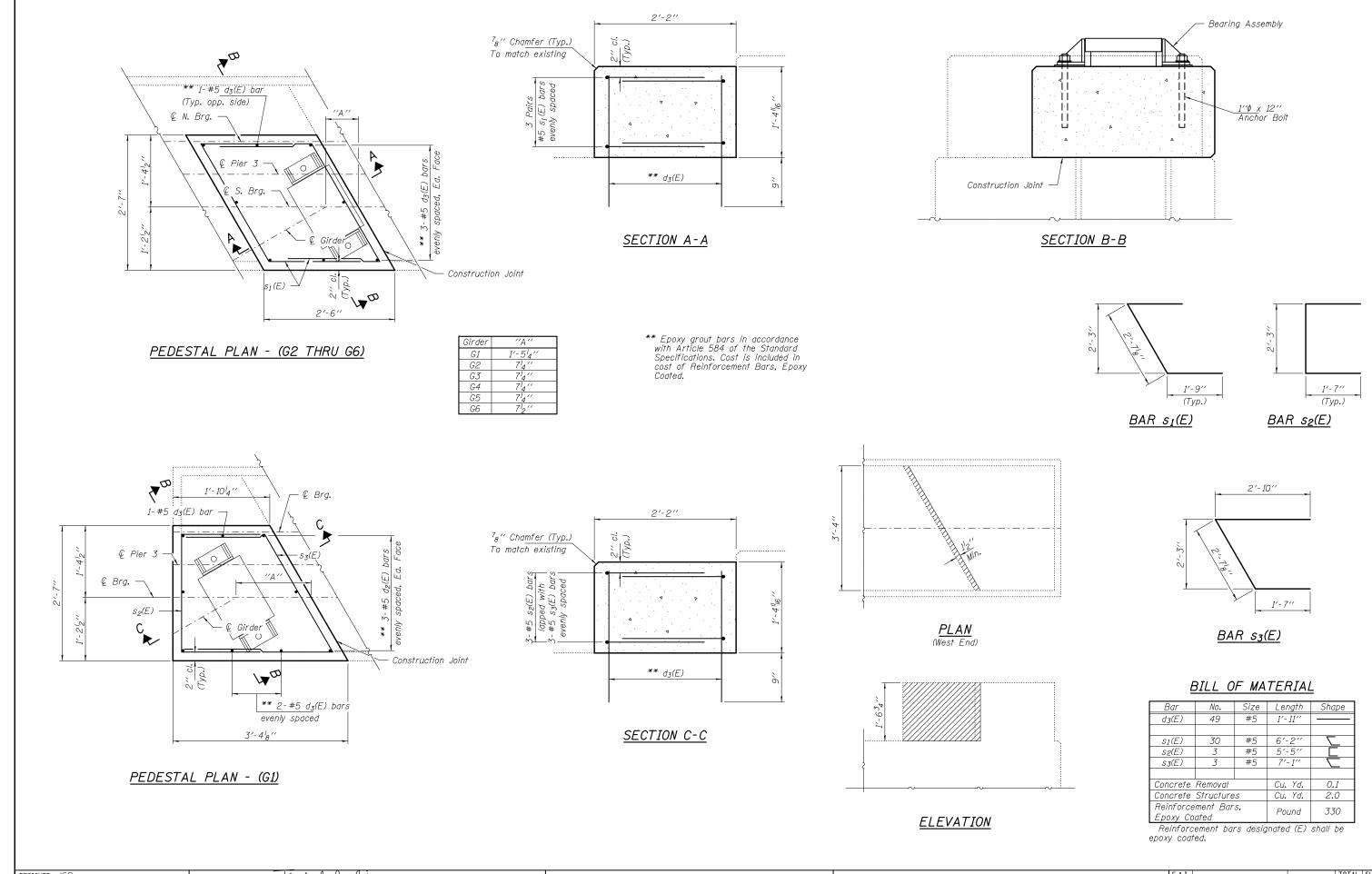


BILL OF MATERIAL

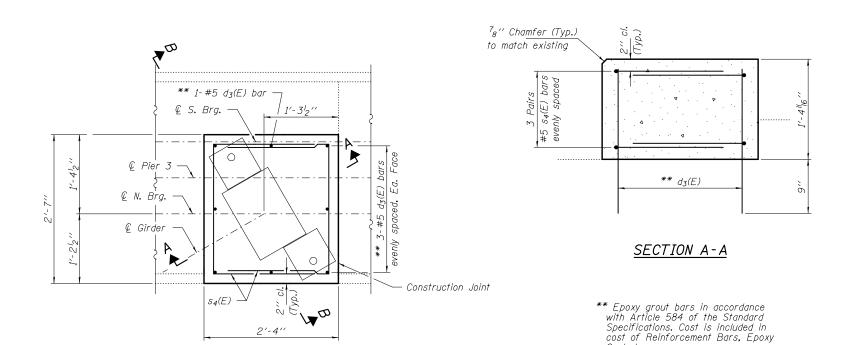
Bar	No.	Size	Length	Shape
d2(E)	96	#5	1'-8''	
s(E)	48	#5	6'-2''	
Concrete	Structure	S	Cu. Yd.	3.2
Reinforce Epoxy Co		Pound	480	

Reinforcement bars designated (E) shall be epoxy coated.

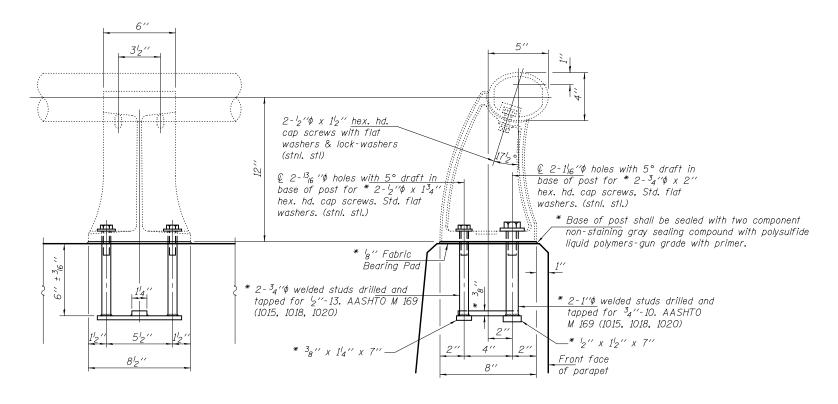
DESIGNED JSB	EXAMINED	Imot A An Go	DATE JANUARY 31, 2018	07477 05 11111010	REPAIR DETAILS - NORTH ABUTMENTS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED SMR DRAWN dahurdell	PASSED —	ACTING ENGINEER OF STRUCTURAL SERVICES	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 072-0127 (WB) & 0128 (EB)	474	72-4(HB,HUB-1,HUB)B-R	PEORIA	196	46
CHECKED JSB SMR		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	DEFARTIVENT OF TRANSFORTATION	SHEET NO. 29 OF 64 SHEETS		ILLINOIS FED. A	CONTRACT AID PROJECT	NU. 6	8887



DESIGNED JSB	EXAMINED	Timoty A. April 4	DATE JANUARY 31, 2018	OTATE OF HUMOIO	REPAIR DETAILS - PIER 3	F.A.I. RTE.	SECTION	COUNTY TOTAL SHEET SHEETS NO.
CHECKED SMR DRAWN daburdell	PASSED	ACTING ENGINEER OF STRUCTURAL SERVICES	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 072-0127 (WB)	474	72-4(HB,HUB-1,HUB)B-R	PEORIA 196 47 CONTRACT NO. 68887
CHECKED JSB SMR		ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 30 OF 64 SHEETS		ILLINOIS FED.	AID PROJECT



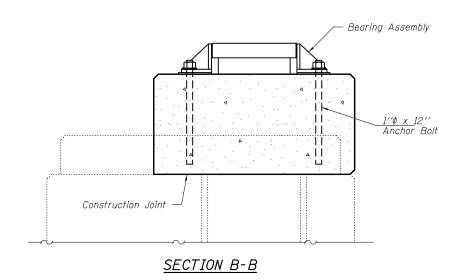
PEDESTAL PLAN - (G7 THRU G12)



RAIL POST DETAILS

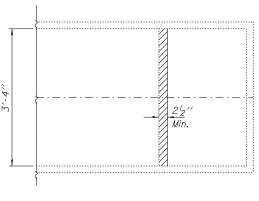
* New Rail Post anchorage devices will be required at each location where posts are connected to new construction.

Cost included with Concrete Superstructure.

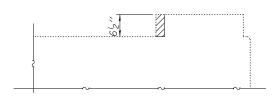


1′-9′′ (Typ.)

BAR \$3(E)



PLAN (Typ. Ea. Brg.)



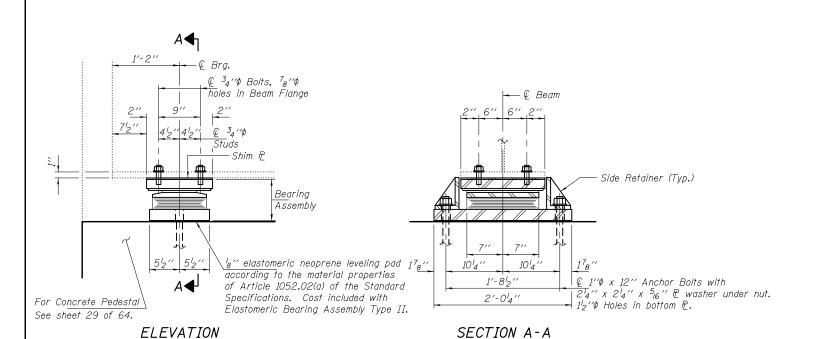
ELEVATION

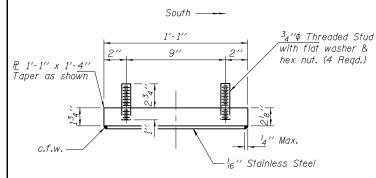
BILL OF MATERIAL

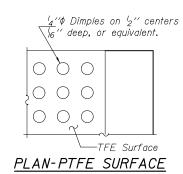
Bar	No.	Size	Length	Shape
d3(E)	48	#5	1'-11''	
54(E)	36	#5	5′-9′′	
Concrete	Removal		Cu. Yd.	0.1
Concrete	Structure	S	Cu. Yd.	1.9
Reinforce Epoxy Co		Pound	310	

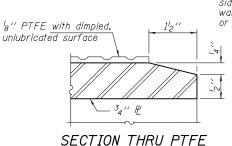
Reinforcement bars designated (E) shall be epoxy coated.

DESIGNED JSB	EXAMINED	I mot A All It	DATE JANUARY 31, 2018	OTATE OF HUMOIO	REPAIR DETAILS - PIER 3	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
CHECKED SMR	_	ACTING ENGINEER OF STRUCTURAL SERVICES		STATE OF ILLINOIS	SN 072-0128 (EB)	474	72-4(HB,HUB-1,HUB)B-R	PEORIA	196 48
DRAWN daburdell	PASSED	A. Carl Prayey	REVISED	DEPARTMENT OF TRANSPORTATION	014 072 0120 (ED)			CONTRAC	CT NO. 68887
CHECKED JSB SMR	_	ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 31 OF 64 SHEETS		ILLINOIS FED. A	AID PROJECT	

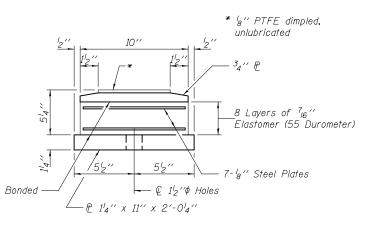






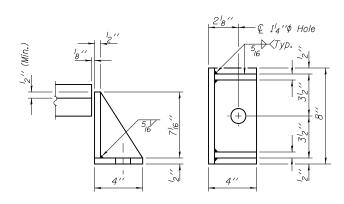


TOP BEARING ASSEMBLY





TYII/RFPS 12-03-2008



SIDE RETAINER (12 Reg'd.)

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

See sheet 27 of 64 for locations.

BEAM REACTIONS

R₽	(K)	58.8
R4	(K)	44.6
Imp.	(K)	9.3
R (Total)	(K)	112.7

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).

Elastomeric Bearing Assembly, Type II.

The 'g'' PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 'g'' PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

Min. jack capacity = 70 Tons.

Anchor bolts shall be ASTM F1554 all-thread (or an

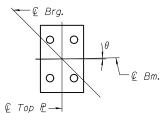
Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Anchor bolts for Type II bearings shall be placed in holes drilled through the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.

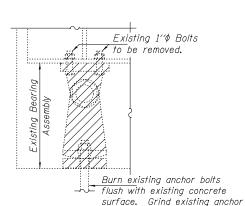
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
Side retainers shall be included in the cost of

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.



Girders G1 thru G6

Girder	θ
G1 thru G6	0°



EXISTING BEARING REMOVAL DETAIL

bolt smooth and seal with epoxy.

Cost included with Temporary Shoring and Cribbing.

© Bott, Bra. € Bott. Brg. (Move bott, brg, away from fixed brg,) (Move bott, brg, toward fixed brg,)

<u>1'-2''</u> € Top Brg.

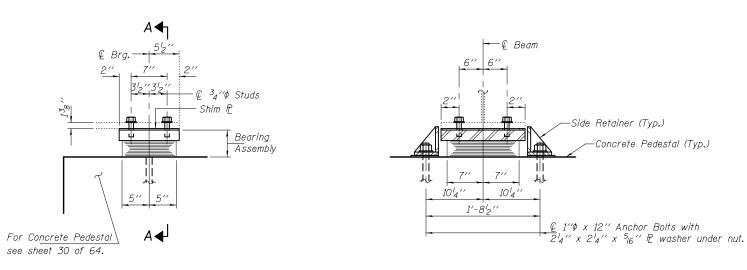
SETTING ANCHOR BOLTS AT EXP. BRG.

 $D = {}^{\prime}g^{\prime\prime}$ per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type II	Each	6
Temporary Shoring and Cribbing	Each	6
Anchor Bolts 1''¢	Each	12

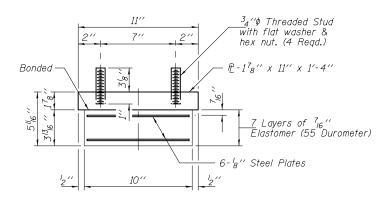
7 7 117 7 1E 03 E000									
DESIGNED JSB	EXAMINED	I mot A A I a	DATE JANUARY 31, 2018		BEARING DETAILS NORTH ABUTMENT	F.A.I.	SECTION	COUNTY TOTA	AL SHEET
CHECKED SMR		ACTING ENGINEER OF STRUCTURAL SERVICES		STATE OF ILLINOIS	SN 072-0127 (WB)	474	72-4(HB,HUB-1,HUB)B-R	PEORIA 196	49
DRAWN daburdell	PASSED	S. Carl Krover	REVISED	DEPARTMENT OF TRANSPORTATION	314 072-0127 (VVD)			CONTRACT NO.	68887
CHECKED JSR SMR	-	ENGINEER OF BRIDGES AND STRUCTURES	- REVISED		SHEET NO. 32 OF 64 SHEETS		TILI TNOTS FED	AID PROJECT	



ELEVATION

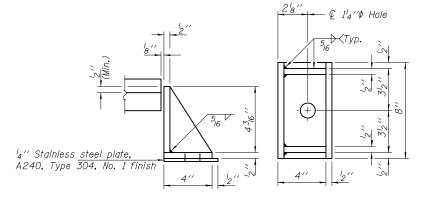
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

Shim plates shall not be placed under Bearing Assembly.



SIDE RETAINER

(12 Req'd.)

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

See sheet 27 of 64 for girder and bearing layout.

TYI/RFPS 1-18-2017

	171127 0 1 10 2017					
DESIGNED	JSB	EXAMINED	Impt A All Co	DATE	JANUARY 31. 2018	Г
CHECKED	SMR	-	ACTING ENGINEER OF STRUCTURAL SERVICES		071110711171 01, 2010	
DRAWN	daburdell	PASSED	A Carl Prayey	REVISED)	l
CHECKED	JSB SMR	-	ENGINEER OF RRIDGES AND STRUCTURES	REVISED)	1

BEAM REACTIONS

R₽	(K)	58.8
R4	(K)	44.6
Imp.	(K)	9.3
R (Total)	(K)	112.7

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

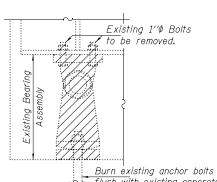
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel. Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
Adjustment must account for deck heave due to pack rust (if present).

Min. jack capacity = 70 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.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

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

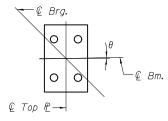
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I. New bearing plates, steel extensions, shim plates, side retainers, anchor bolts, connection bolts, nuts and washers shall be galvanized according to AASHTO M111 or M232 as applicable.



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

EXISTING BEARING REMOVAL DETAIL

Cost included with Temporary Shoring and Cribbing.



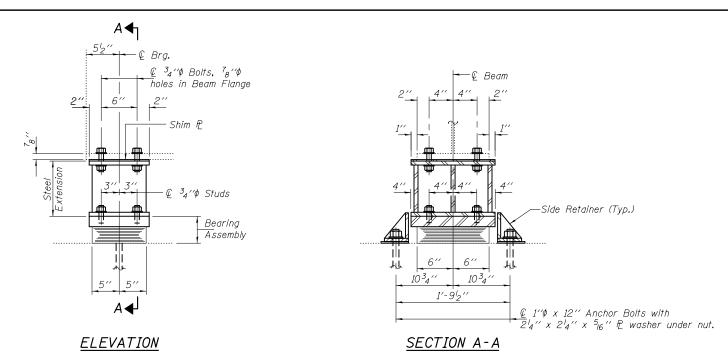
Girders G1 thru G6

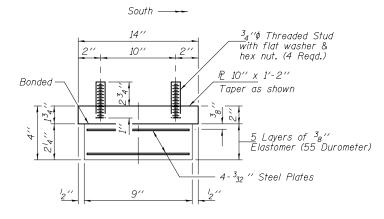
Girder	θ
G1 thru G6	0°

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	6
Temporary Shoring and Cribbing	Each	6
Anchor Bolts 1''¢	Each	12

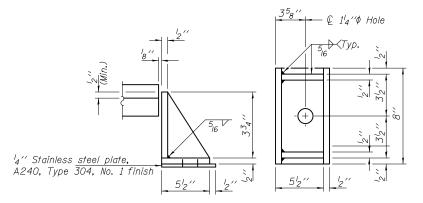
SECTION COUNTY **BEARING DETAILS PIER 3 (NORTH)** STATE OF ILLINOIS 474 72-4(HB,HUB-1,HUB)B-R PEORIA 196 50 SN 072-0127 (WB) **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 68887 SHEET NO. 33 OF 64 SHEETS





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.

See sheet 27 of 64 for girder and bearing layout.

BEAM REACTIONS

R₽	(K)	<i>38.3</i>
R4	(K)	43.5
Imp.	(K)	11.0
R (Total)	(K)	92.8

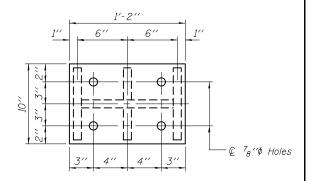
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.

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).

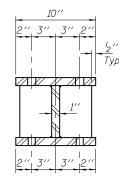
Min. jack capacity = 55 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

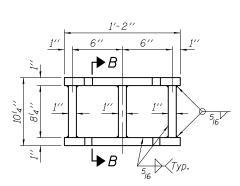
Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I. New bearing plates, steel extensions, shim plates, side retainers, anchor bolts, connection bolts, nuts and washers shall be galvanized according to AASHTO Mill or M232 as applicable.



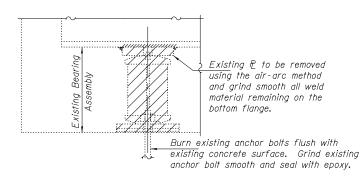
PLAN TOP AND BOTTOM PLATE





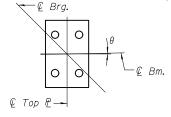
SECTION B-B

STEEL EXTENSION DETAIL



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings or Temporary Shoring and Cribbing.



Girders G1 thru G6

Girder	θ
G1	0° 24′ 12′′
G2 thru G6	٥°

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	6
Jack and Remove Existing Bearings	Each	5
Temporary Shoring and Cribbing	Each	1
Furnishing and Erecting Structural Steel	Pound	1010
Anchor Bolts 1''\$	Each	12

See sheet 49 of 64 for location of Temporary Shoring and Cribbing.

TYI/REPS 1-18-2017

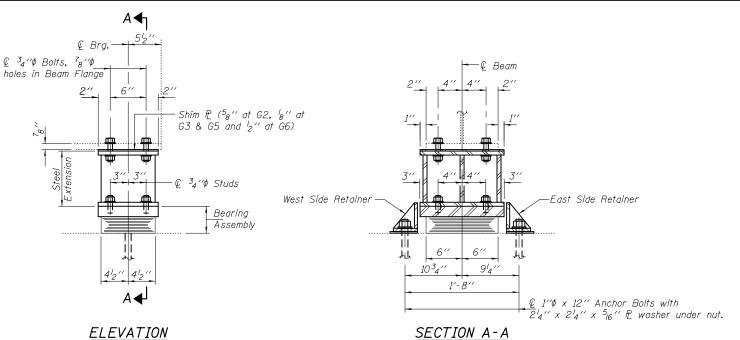
DESIGNED	JSB	EXAMINED	I mot A. All Co	DATE	JANUARY 31. 2018
CHECKED	SMR		ACTING ENGINEER OF STRUCTURAL SERVICES		
DRAWN	daburdell	PASSED	S. Carl Prayey	REVISED	
CHECKED	JSB SMR]	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

STATE OF ILLINOIS

BEARING DETAILS PIER 3 (SOUTH) SN 072-0127 (WB) SHEET NO. 34 OF 64 SHEETS

A.I. TE.	SECTION		TOTAL SHEETS	SHEET NO.			
474	72-4(HB,HUB-1,HUB)B-R	PEORIA	196	51			
CONTRACT NO. 68887							

DEPARTMENT OF TRANSPORTATION



East Retainer

TYPE I ELASTOMERIC EXP. BRG.

³₄′′¢ Threaded Stud with flat washer &

> <u>E</u> Layers of ${}^3\!8{}^{\prime\prime}$ Elastomer (55 Durometer)

hex nut. (4 Regd.)

P 10" x 1'-2"

aper as shown

4-3₃₂ '' Steel Plates

14" Stainless steel plate,

A240, Type 304, No. 1 finish

South —

BEARING ASSEMBLY

Shim plates shall not be placed

under Bearing Assembly.

TYI/REPS 1-18-2017

Bonded

BEAM REACTIONS

R₽	(K)	40.9
R4	(K)	43.6
Imp.	(K)	10.9
R (Total)	(K)	95.4

Notes.

East Retainer

€ Top ₽

BOLT HOLE LOCATIONS

© Top ₽

West Retainer

l₄'' Stainless steel plate,

A240, Type 304, No. 1 finish

Girders G1 thru G3, G5 and G6

- € 1½′′¢ Hole

West Retainer (6 Reg'd.)

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).

 Φ

<u>Girder G4</u>

East Retainer (6 Rea'd.)

Min. iack capacity = 55 Tons.

€ TOP P

West Retainer

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 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.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

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

Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.

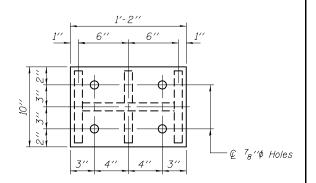
€ TOP P

--- € 1'4''¢ Hole

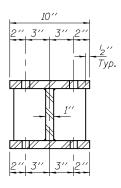
Clip 2" x 2"

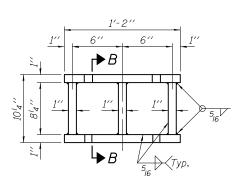
Girder G4 Only

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.



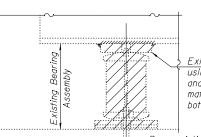
PLAN TOP AND BOTTOM PLATE





SECTION B-B

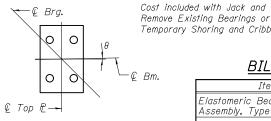
STEEL EXTENSION DETAIL



Existing P 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



Temporary Shoring and Cribbing.

<u>Girders G1 thru G6</u>

Girder	θ
G1	0° 24′ 12′′
G2 thru G6	0°

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	6
Jack and Remove Existing Bearings	Each	5
Temporary Shoring and Cribbing	Each	1
Furnishing and Erecting Structural Steel	Pound	1010
Anchor Bolts 1''\$	Each	12

See sheet 49 of 64 for location of Temporary Shoring and Cribbing.

SIDE RETAINER

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

See sheet 27 of 64 for girder and bearing layout.

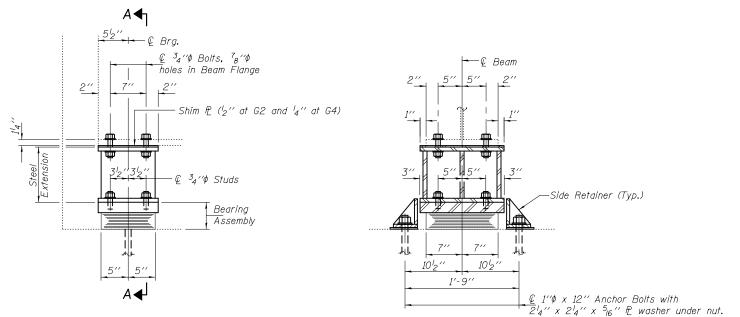
DESIGNED	JSB	EXAMINED	I mot A. And Gt	DATE	JANUARY 31. 2018
CHECKED	SMR		ACTING ENGINEER OF STRUCTURAL SERVICES		
DRAWN	daburdell	PASSED	& Carl Proper	REVISED	
CHECKED	JSB SMR		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

STATE OF ILLINOIS

BEARING DETAILS PIER 4 (NORTH) SN 072-0127 (WB) SHEET NO. 35 OF 64 SHEETS

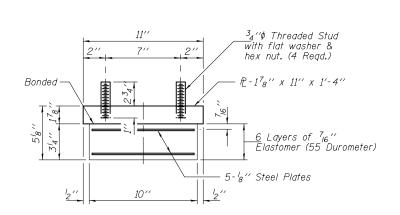
SECTION COUNTY 474 72-4(HB,HUB-1,HUB)B-R PEORIA 196 52 CONTRACT NO. 68887

DEPARTMENT OF TRANSPORTATION



SECTION A-A

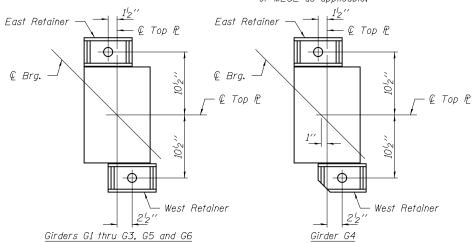
TYPE I ELASTOMERIC EXP. BRG.



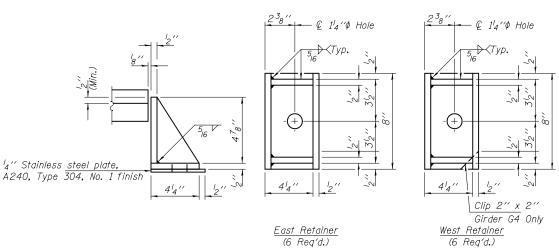
BEARING ASSEMBLY

ELEVATION

Shim plates shall not be placed under Bearing Assembly.



BOLT HOLE LOCATIONS



SIDE RETAINER

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

See sheet 27 of 64 for girder and bearing layout.

BEAM REACTIONS

R₽	(K)	51.4
R4	(K)	49.4
Imp.	(K)	11.3
R (Total)	(K)	112.1

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).

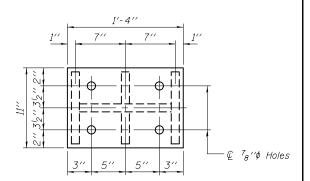
Min. jack capacity = 65 Tons. Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

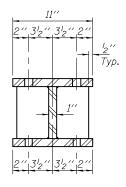
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

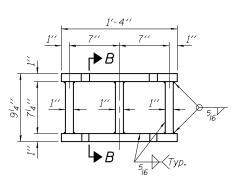
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.

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.



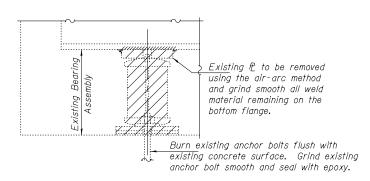
PLAN TOP AND BOTTOM PLATE





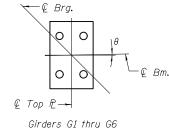
SECTION B-B

STEEL EXTENSION DETAIL



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings or Temporary Shoring and Cribbing.



Girder	θ
G1	1° 08′ 46′′
G2 thru G6	0°

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	6
Jack and Remove Existing Bearings	Each	2
Temporary Shoring and Cribbing	Each	4
Furnishing and Erecting Structural Steel	Pound	1140
Anchor Bolts 1''4	Each	12

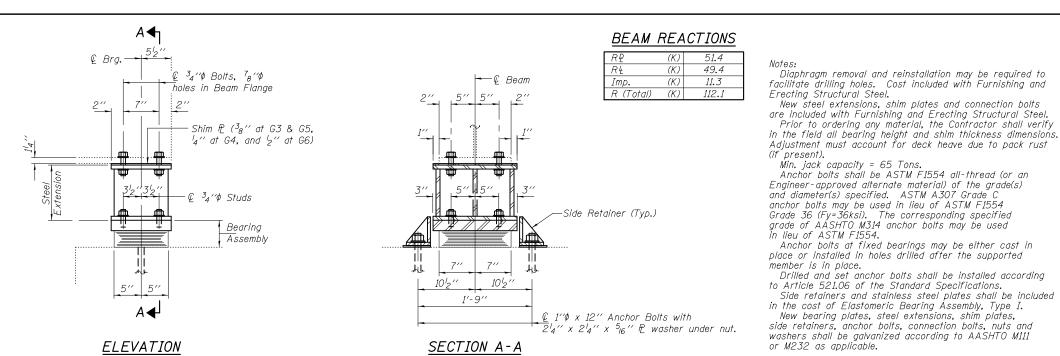
See sheet 49 of 64 for location of Temporary Shoring and Cribbing.

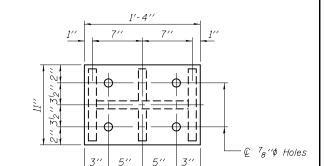
TYI/REPS 1-18-2017

DESIGNED	JSB	EXAMINED	I most of A Dat	DATE	JANUARY 31, 2018
CHECKED	SMR		ACTING ENGINEER OF STRUCTURAL SERVICES		0////0//// 31, E010
DRAWN	daburdell	PASSED	& Carl Prayey	REVISED	
CHECKED	JSB SMR	-	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

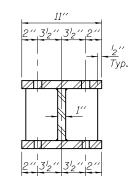
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** **BEARING DETAILS PIER 4 (SOUTH)** SN 072-0127 (WB) SHEET NO. 36 OF 64 SHEETS

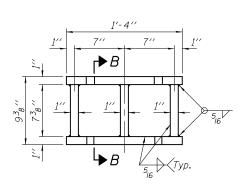
A.I. TE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
74	72-4(HB,HUB-1,HUB)B-R	PEORIA	196	53		
		CONTRACT	NO. 6	8887		
	ILLINOIS FED. AID PROJECT					





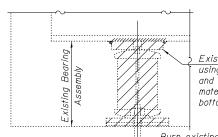
PLAN TOP AND BOTTOM PLATE





SECTION B-B

STEEL EXTENSION DETAIL

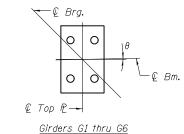


Existing P to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange.

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.



110111	Oimi	7 07 07
Elastomeric Bearing Assembly, Type I	Each	6
Jack and Remove Existing Bearings	Each	6
Furnishing and Erecting Structural Steel	Pound	1140
Anchor Bolts 1''¢	Each	14

BILL OF MATERIAL

Min. jack capacity = 65 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

(if present).

Diaphragm removal and reinstallation may be required to

facilitate drilling holes. Cost included with Furnishing and

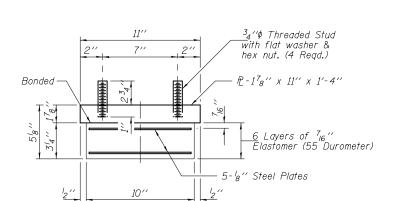
Adjustment must account for deck heave due to pack rust

in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

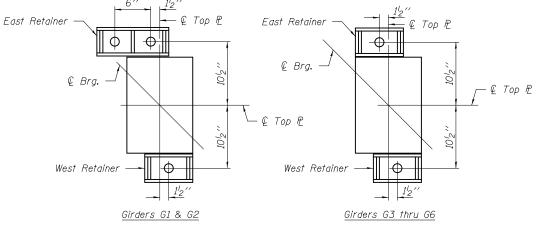
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Side retainers and stainless steel plates shall be included

in the cost of Elastomeric Bearing Assembly, Type I. 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.



BEARING ASSEMBLY

Shim plates shall not be placed under Bearing Assembly.

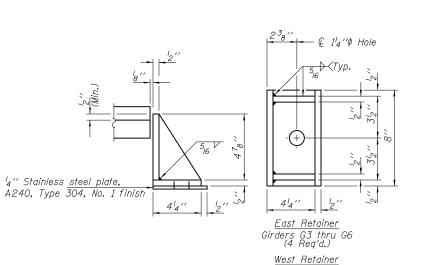


BOLT HOLE LOCATIONS

2³8″ € 1¹4″¢ hole

(Typ.) *√*5/6 *Typ*.

East Retainer Girders G1 & G2 (2 Reg'd.)



Girders G1 thru G7 (6 Rea'd.) SIDE RETAINER

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

TYI/REPS 1-18-2017

See sheet 27 of 64 for girder and bearing layout.

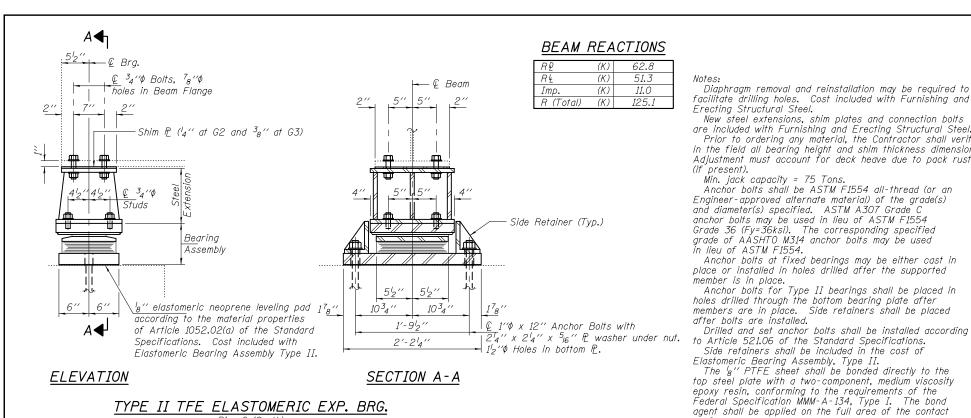
DESIGNED	JSB	EXAMINED	I mot A All A	DATE	JANUARY 31. 2018	Г
CHECKED	SMR	-	ACTING ENGINEER OF STRUCTURAL SERVICES			
DRAWN	daburdell	PASSED	A. Carl Prayey	REVISED		ĺ
CHECKED	JSB SMR		ENGINEER OF BRIDGES AND STRUCTURES	REVISED		L

STATE OF ILLINOIS

BEARING DETAILS PIER 6 (NORTH) SN 072-0127 (WB) SHEET NO. 37 OF 64 SHEETS

.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
474	72-4(HB,HUB-1,HUB)B-R	PEORIA	196	54		
	CONTRACT NO. 68887					
	TILLINOIS FED. AID PROJECT					

DEPARTMENT OF TRANSPORTATION



³₄′′¢ Threaded Stud

with flat washer & hex nut. (4 Read.)

* 18" PTFE dimpled,

Elastomer (55 Durometer)

unlubricated

Layers of 5"

5- 1/8" Steel Plates

TYPE II TFE ELASTOMERIC EXP. BRG.

Max

s'' Stainless Steel

South —

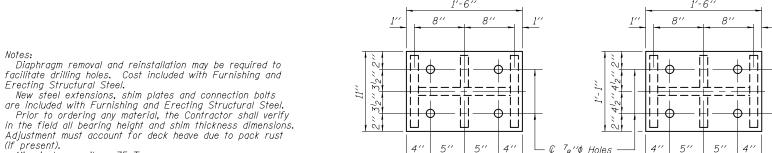
TOP BEARING ASSEMBLY

P 1'-1" x 1'-6"

Taper as shown

c.f.w.

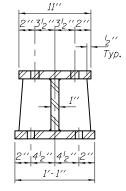
Bonded

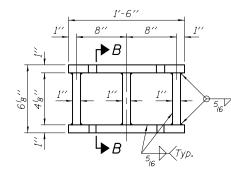


TOP PLATE

BOTTOM PLATE

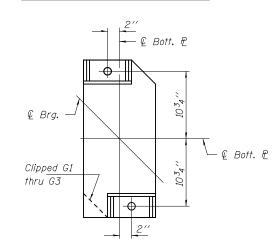
PLAN





SECTION B-B

STEEL EXTENSION DETAIL



Girders G1 thru G7

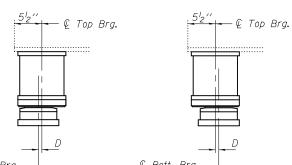
Removal Details.

BOLT HOLE LOCATIONS



PLAN BOTTOM BEARING PLATE

2'-24'



2	Bott.	Brg. —	'			£	
		DELOW	50°	_			

BILL OF MATERIAL

See sheet 25 of 64 for Bearing

Item	Unit	Total
Elastomeric Bearing Assembly, Type II	Each	7
Jack and Remove Existing Bearings	Each	4
Temporary Shoring and Cribbing	Each	3
Furnishing and Erecting Structural Steel	Pound	1260
Anchor Bolts 1''\$	Each	14

See sheet 50 of 64 for location of Temporary Shoring and Cribbing,

TYII/REPS 12-03-2008

/— ₽ 1½" x 12" x 2'-2¼

BOTTOM BEARING ASSEMBLY

DESIGNED JSB EXAMINED mot JANUARY 31. 2018 CHECKED SMR daburdeli PASSED REVISED CHECKED JSB SMR REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** **BEARING DETAILS PIER 6 (SOUTH)** SN 072-0127 (WB) SHEET NO. 38 OF 64 SHEETS

COUNTY 474 72-4(HB,HUB-1,HUB)B-R PEORIA 196 55 CONTRACT NO. 68887

1'-912" 18" PTFE with dimpled, unlubricated surface Clip 4" x 4" (Typ. G1 - G3)- 3₄ 11 P Clip 4" x 4" (Typ. G1 - G7) SECTION THRU PTFE

Bonding of 18" PTFE sheet during vulcanizing process

will be permitted provided the process and method of adjusting assembly height is approved by the Engineer. New bearing plates, steel extensions, shim plates, side retainers, anchor bolts, connection bolts, nuts and washers shall be galvanized according to AASHTO M111

PLAN-PTFE SURFACE

Girders G1 thru G7

08′ 46

0° 34′ 03′

 \bigcirc

 \bigcirc \bigcirc

 $\frac{l_4'' \phi}{l_6''}$ Dimples on $\frac{l_2''}{l_6''}$ centers

-TFE Surface

€ 1¹4′′¢ Hole <u>5,6</sub></u> ≺Тур. 0 ¢ TOD ₽→

(14 Reg'd.

See sheet 27 of 64 for girder and bearing layout.

surfaces.

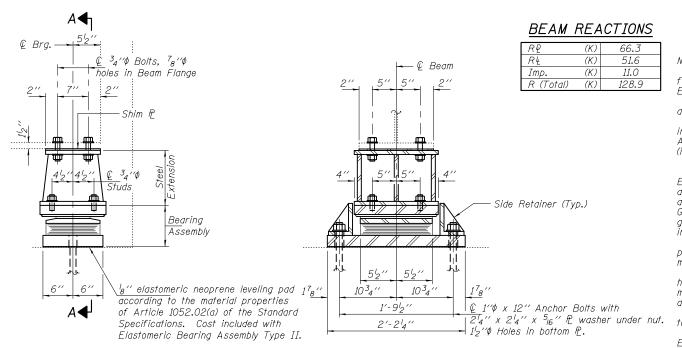
or M232 as applicable.

SETTING ANCHOR BOLTS AT EXP. BRG.

 $D = {}^{l}_{8}$ " per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

SIDE RETAINER Equivalent rolled angle with stiffeners (Move bott. brg. away from fixed brg.) (Move bott. brg. toward fixed brg.) will be allowed in lieu of welded plates.

Bott. Brg.



³₄′′¢ Threaded Stud

with flat washer & hex nut. (4 Read.)

SECTION A-A

 \bigcirc \bigcirc

 \bigcirc

PLAN-PTFE SURFACE

 $\frac{l_4'' \phi}{l_6''}$ Dimples on $\frac{l_2''}{l_6''}$ centers

-TFE Surface

JANUARY 31. 2018

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 = 75 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 (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.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

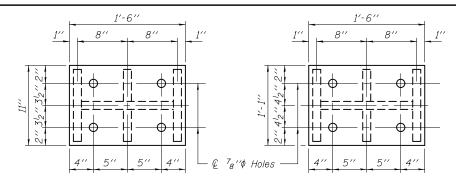
Anchor bolts for Type II bearings shall be placed in holes drilled through the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Side retainers shall be included in the cost of

Elastomeric Bearing Assembly, Type II. The 18" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact

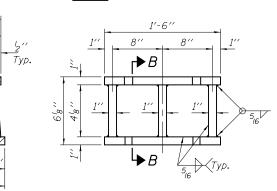
surfaces. Bonding of $^{l}_{8}{}^{\prime\prime}$ PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

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.



TOP PLATE

PLAN

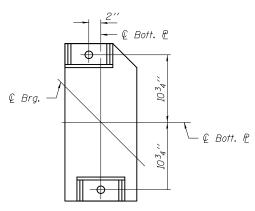


1'-1'' SECTION B-B

|--- € Top Brg.

<u>'3¹2''3¹2''2'</u>

STEEL EXTENSION DETAIL



BOTTOM PLATE

Girders G1 thru G7

BOLT HOLE LOCATIONS

See sheet 25 of 64 for Bearing Removal Details.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type II	Each	7
Jack and Remove Existing Bearings	Each	7
Furnishing and Erecting Structural Steel	Pound	1260
Anchor Bolts 1''¢	Each	14

2'-24' 1'-912" Clip 4" x 4" (Typ. G1 - G7)

€ Top Brg.

PLAN BOTTOM BEARING PLATE

€ Bott. Bra.

* 18" PTFE dimpled, unlubricated Layers of 5" Elastomer (55 Durometer) 5-18" Steel Plates Bonded <u>′</u>— ₽ 1⁵8′′ x 12′′ x 2′-2¼′

TYPE II TFE ELASTOMERIC EXP. BRG.

Max

s'' Stainless Steel

South -

TOP BEARING ASSEMBLY

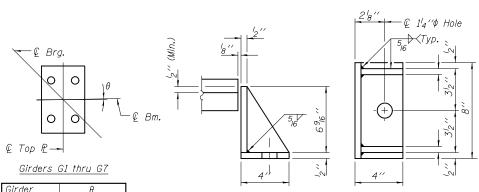
BOTTOM BEARING ASSEMBLY

ELEVATION

P 1'-1" x 1'-6" Taper as shown

c.f.w.

CHECKED JSB SMR



18" PTFE with dimpled,

unlubricated surface

08′ 46 0° 34′ 03′

REVISED

SIDE RETAINER (14 Reg'd.)

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. See sheet 27 of 64 for girder and bearing layout.

SETTING ANCHOR BOLTS AT EXP. BRG.

(Move bott. brg. away from fixed brg.) (Move bott. brg. toward fixed brg.)

 $D = {}^{l}_{8}$ " per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

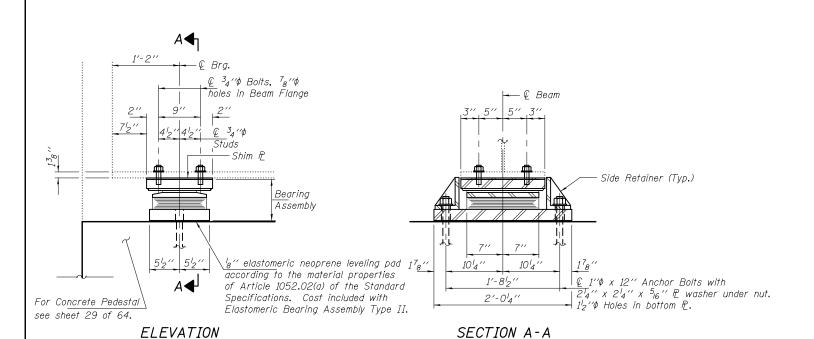
TYI	II/REPS	12-03-2008		<u> </u>	
DESIGNED	JSB		EXAMINED	Timet A A 1 Ct	DATE
CHECKED	SMR			ACTING ENGINEER OF STRUCTURAL SERVICES	
RAWN	daburdell		PASSED	I Carl Princer	REVISED

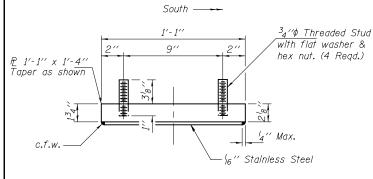
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** **BEARING DETAILS SOUTH ABUTMENT** SN 072-0127 (WB) SHEET NO. 39 OF 64 SHEETS

€ Bott. Brg.

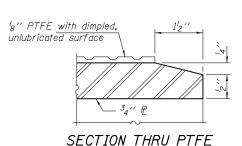
SECTION COUNTY 474 72-4(HB,HUB-1,HUB)B-R PEORIA 196 56 CONTRACT NO. 68887

SECTION THRU PTFE

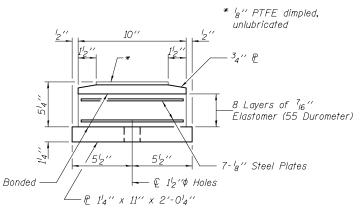




½''¢ Dimples on ½'' centers deep, or equivalent. \bigcirc \bigcirc \bigcirc -TFE Surface PLAN-PTFE SURFACE



TOP BEARING ASSEMBLY





TYII/REPS 12-03-2008

€ 1¹4′′¢ Hole

SIDE RETAINER

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

See sheet 28 of 64 for girder and bearing layout.

BEAM REACTIONS

R₽	(K)	56.5
R4	(K)	44.4
Imp.	(K)	9.5
R (Total)	(K)	110.4

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 = 65 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 arade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Anchor bolts for Type II bearings shall be placed in holes drilled through the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.

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

Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type II.

The '8" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity

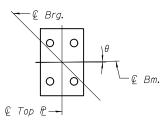
epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 'g" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer. 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.

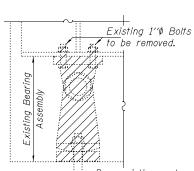
<u>1'-2''</u> € Top Brg.

€ Bott, Bra.



Girders G1 thru G6

Girder	θ
G1 thru G6	0°



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 Temporary Shoring and Cribbing.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type II	Each	6
Temporary Shoring and Cribbing	Each	6
Anchor Bolts 1"\$	Each	12

SETTING ANCHOR BOLTS AT EXP. BRG.

(Move bott, brg. away from fixed brg.) (Move bott, brg. toward fixed brg.)

 $D = {}^{l}_{8}$ " per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

DESIGNED JSB	EXAMINED	I mote A A I Gt	DATE	JANUARY 31. 2018
CHECKED SMR		ACTING ENGINEER OF STRUCTURAL SERVICES		0,1110,1111 01, 2010
DRAWN daburdell	PASSED	d Carl Kong	REVISED	
CHECKED JSB SMR	1	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** **BEARING DETAILS NORTH ABUTMENT** SN 072-0128 (EB) SHEET NO. 40 OF 64 SHEETS

:<u>1'-2''</u> € Top Brg.

SECTION COUNTY 474 72-4(HB,HUB-1,HUB)B-R PEORIA 196 57 CONTRACT NO. 68887

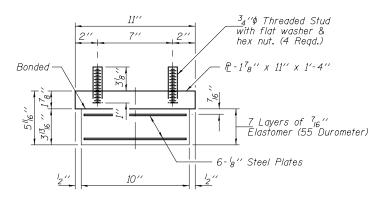
¢ 34'¢ Studs Shim P Bearing Assembly For Concrete Pedestal see sheet 31 of 64.

Side Retainer (Typ.) Concrete Pedestal (Typ.) 1014'' 104′′ 1'-8'2" € 1"\$\psi x 12" Anchor Bolts with $\overline{2}_{4}^{\prime\prime}$ x $2_{4}^{\prime\prime}$ x $\overline{2}_{16}^{\prime\prime}$ R washer under nut.

ELEVATION

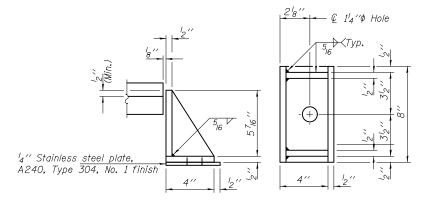
SECTION A-A

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.

See sheet 28 of 64 for girder and bearing layout.

BEAM REACTIONS

R₽	(K)	56.5
R4	(K)	44.4
Imp.	(K)	9.5
R (Total)	(K)	110.4

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

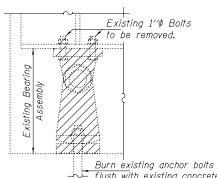
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel. Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).

Min. jack capacity = 65 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.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

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

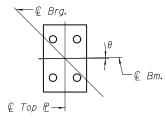
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I. New bearing plates, steel extensions, shim plates, side retainers, anchor bolts, connection bolts, nuts and washers shall be galvanized according to AASHTO M111 or M232 as applicable.



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

EXISTING BEARING REMOVAL DETAIL

Cost included with Temporary Shoring and Cribbing.



Girders G7 thru G12

Girder	θ
G7 thru G12	0°

BILL OF MATERIAL

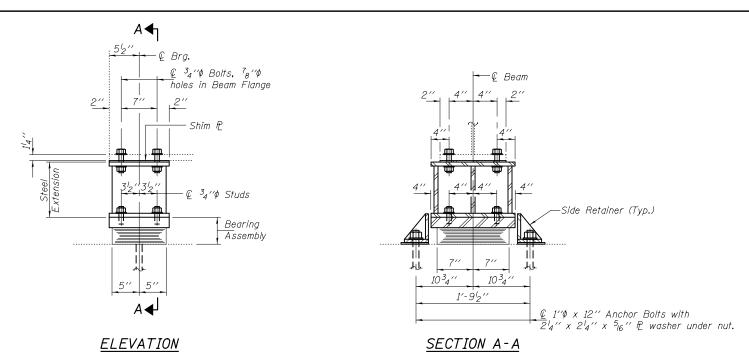
Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	6
Temporary Shoring and Cribbing	Each	6
Anchor Bolts 1''¢	Each	12

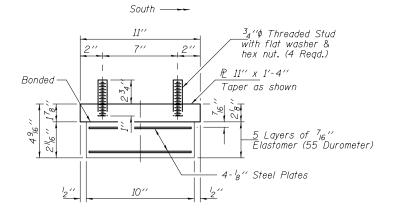
TYI/REPS 1-18-2017

DESIGNED	JSB	EXAMINED	Imot A All Co	DATE	JANUARY 31. 2018	Τ
CHECKED	SMR	-	ACTING ENGINEER OF STRUCTURAL SERVICES	_	071110711111 0117 12010	
DRAWN	daburdell	PASSED	A Carl Prayey	REVISED		1
CHECKED	ICD CMD		20 0 10()/11/	DEVICED		1

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** **BEARING DETAILS PIER 3 (NORTH)** SN 072-0128 (EB) SHEET NO. 41 OF 64 SHEETS

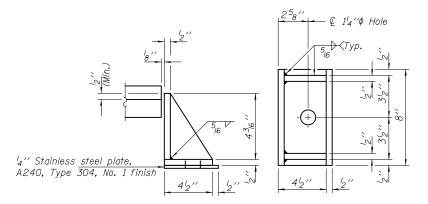
A.I. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEE NO.
474	72-4(HB,HUB-1,HUB)B-R		PEORIA	196	58	
•				CONTRACT	NO. 6	8887
	TI I TNOTE	EED	۸1	D DBO IECT		





BEARING ASSEMBLY

Shim plates shall not be placed under Bearing Assembly.



SIDE RETAINER

(12 Reg'd.)

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

See sheet 28 of 64 for girder and bearing layout.

BEAM REACTIONS

R₽	(K)	59.2
R4	(K)	44.0
Imp.	(K)	10.5
R (Total)	(K)	113.7

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).

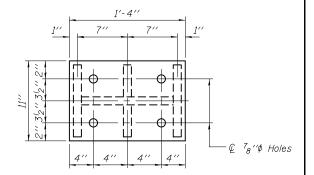
Min. jack capacity = 70 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used

in lieu of ASTM F1554.

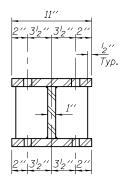
Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported

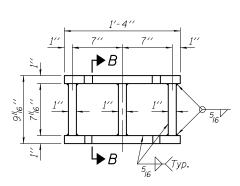
member is in place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I. 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.



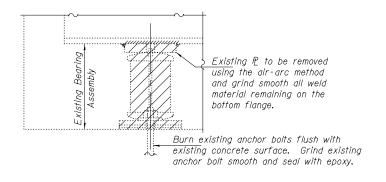
PLAN TOP AND BOTTOM PLATE





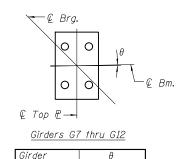
SECTION B-B

STEEL EXTENSION DETAIL



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.



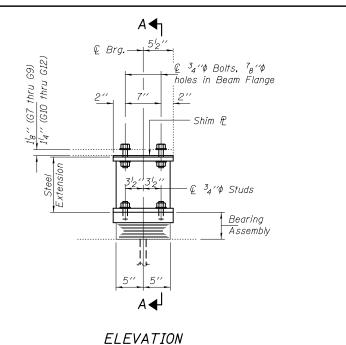
97 thru G12

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	6
Jack and Remove Existing Bearings	Each	6
Furnishing and Erecting Structural Steel	Pound	1170
Anchor Bolts 1''¢	Each	12

TYI/REPS 1-18-2017

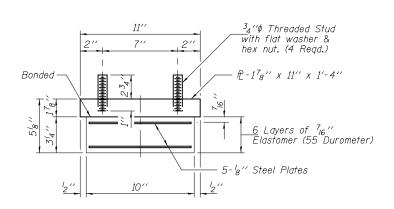
DESIGNED JSB	EXAMINED	I mote A A I G	DATE JANUARY 31. 2018		BEARING DETAILS PIER 3 (SOUTH)	F.A.I. RTF.	SECTION	COUNTY	TOTAL S	SHEET NO.
CHECKED SMR		ACTING ENGINGER OF STRUCTURAL SERVICES		STATE OF ILLINOIS	SN 072-0128 (EB)	474	72-4(HB,HUB-1,HUB)B-R	PEORIA	196	59
DRAWN daburdell	PASSED	S. Carl Provey	REVISED	DEPARTMENT OF TRANSPORTATION	3N 0/2-0126 (EB)			CONTRACT	NO. 68	887
CHECKED JSB SMR	-	ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 42 OF 64 SHEETS		ILLINOIS FED. A	ID PROJECT		



−@ Beam Side Retainer (Typ.) 10³4′′ 1034 1'-92" € 1"\$\psi x 12" Anchor Bolts with $\frac{1}{2}I_4$ " x $2I_4$ " x I_{16} " R washer under nut.

SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.

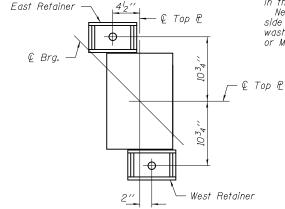


EXAMINED

PASSED

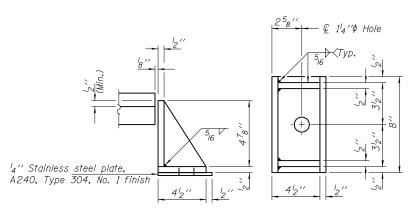
BEARING ASSEMBLY

Shim plates shall not be placed under Bearing Assembly.



Girders G7 thru G12

BOLT HOLE LOCATIONS



SIDE RETAINER

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

See sheet 28 of 64 for girder and bearing layout.

BEAM REACTIONS

R₽	(K)	48.2
R4	(K)	46.4
Imp.	(K)	10.6
R (Total)	(K)	105.2

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).

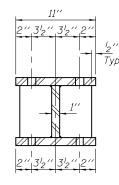
Min. jack capacity = 60 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used

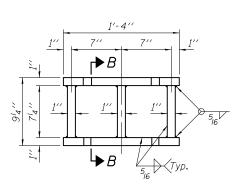
in lieu of ASTM F1554.
Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I. 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.

© 78''\$ Holes

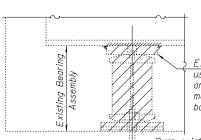
PLAN TOP AND BOTTOM PLATE





SECTION B-B

STEEL EXTENSION DETAIL

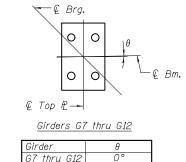


Existing P to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange.

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	6
Jack and Remove Existing Bearings	Each	6
Furnishing and Erecting Structural Steel	Pound	1140
Anchor Bolts 1''¢	Each	12

TYI/REPS 1-18-2017

DESIGNED JSB

CHECKED SMR

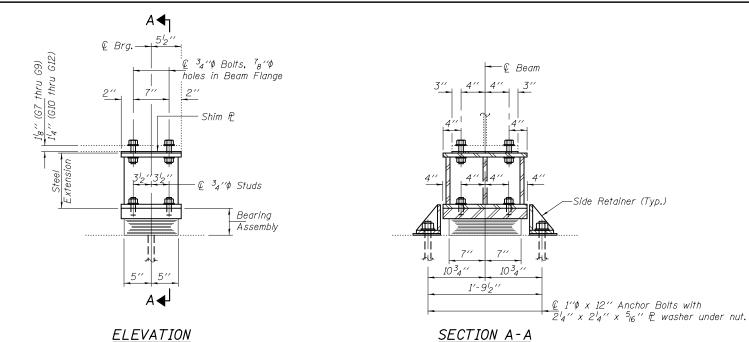
DRAWN daburdell

CHECKED JSB SMR

JANUARY 31, 2018 REVISED REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** **BEARING DETAILS PIER 4 (NORTH)** SN 072-0128 (EB) SHEET NO. 43 OF 64 SHEETS

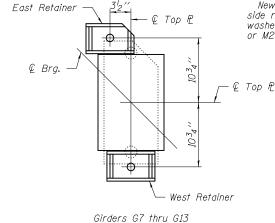
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	72-4(HB,HUB-1,HUB)B-R	PEORIA	196	60
	NO. 6	8887		
	ILLINOIS FED. A	ID PROJECT		



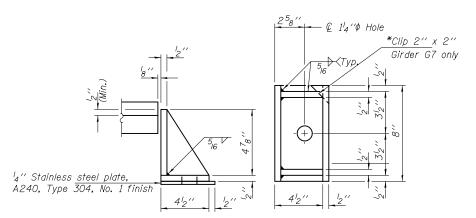
Bonded

<u>BEARING ASSEMBLY</u>

Note: Shim plates shall not be placed under Bearing Assembly.



BOLT HOLE LOCATIONS



SIDE RETAINER

(12 Req'a.)

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

See sheet 28 of 64 for girder and bearing layout.

BEAM REACTIONS

R₽	(K)	48,2
R4	(K)	46.4
Imp.	(K)	10.6
R (Total)	(K)	105.2

Notes.

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

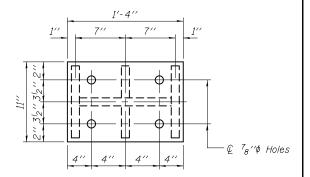
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel. Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).

Min. jack capacity = 60 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.

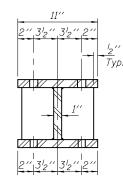
Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

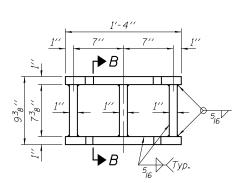
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I. 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.



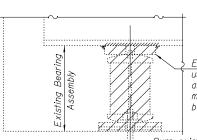
PLAN TOP AND BOTTOM PLATE





SECTION B-B

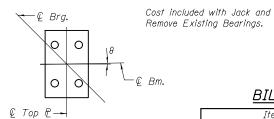
STEEL EXTENSION DETAIL



Existing $mathbb{E}$ 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



BILL OF MATERIAL

	<u>Girders Gī</u>	thru G13
ſ	Girder	θ
	G7 thru G11	0°
	G12	1° 28′ 24′′
[G13	2° 52′ 18′′

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	7
Jack and Remove Existing Bearings	Each	7
Furnishing and Erecting Structural Steel	Pound	1340
Anchor Bolts 1''¢	Each	14

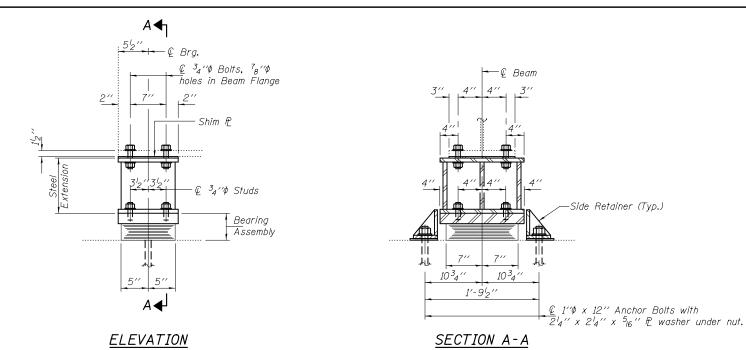
TYI/REPS 1-18-2017

DESIGNED	JSB	EXAMINED	I mot A All It	DATE	JANUARY 31, 2018
CHECKED	SMR	-	ACTING ENGINEER OF STRUCTURAL SERVICES		071110711111 014 2010
DRAWN	daburdell	PASSED	& Carl Propey	REVISED	
CHECKED	JSB SMR	-	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BEARING DETAILS PIER 6 (NORTH)				
SN 072-0128 (EB)				
014 072 0120 (EB)				
SHEET NO. 44 OF 64 SHEETS		_		

F.A.I. RTE. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
474	72-4(HB,HUB-1,HUB)B-R	PEORIA	196	61	
CONTRACT NO. 68887					
TILLINOIS FED ATD PROJECT					

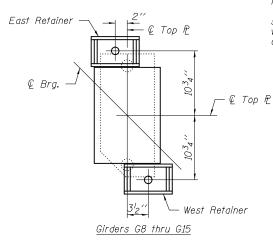


Bonded

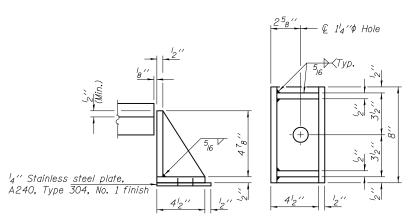
Bonded 2'' 7'' 2''

<u>BEARING ASSEMBLY</u>

Note: Shim plates shall not be placed under Bearing Assembly.



BOLT HOLE LOCATIONS



SIDE RETAINER

(12 Req'd.

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

See sheet 28 of 64 for girder and bearing layout.

BEAM REACTIONS

R₽	(K)	59 . 4
R4	(K)	51 . 2
Imp.	(K)	11.0
R (Total)	(K)	121.6

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).

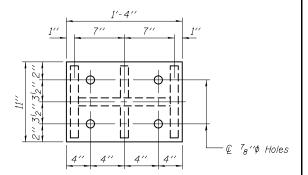
Min. jack capacity = 70 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

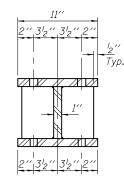
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

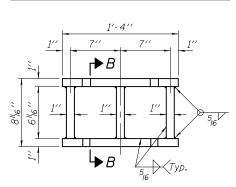
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.

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.



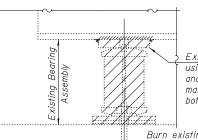
PLAN TOP AND BOTTOM PLATE





SECTION B-B

STEEL EXTENSION DETAIL

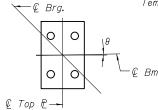


Existing £ to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange.

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 or Temporary Shoring and Cribbing.



Girders G8 thru G15

Girder	θ
G8 thru G11	0°
G12	0°
G13	1° 02′ 47′′
G14	2° 03′ 15′′
G15	.3° 01′ .34′′

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	8
Jack and Remove Existing Bearings	Each	6
Temporary Shoring and Cribbing	Each	2
Furnishing and Erecting Structural Steel	Pound	1460
Anchor Bolts 1''\$	Each	16

See sheet 53 of 64 for location of Temporary Shoring and Cribbing.

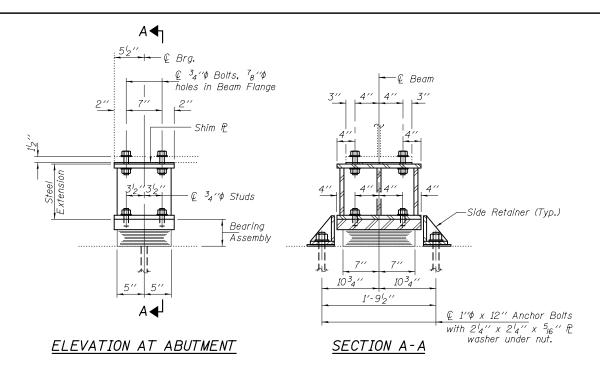
TYI/REPS 1-18-2017

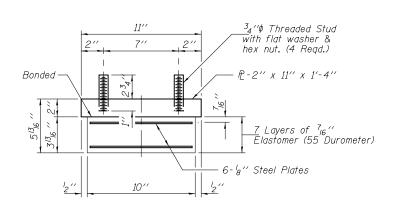
DESIGNED	JSB	EXAMINED	I mot A All 4	DATE	JANUARY 31, 2018
CHECKED	SMR		ACTING ENGINEER OF STRUCTURAL SERVICES		07111071117 017 2010
DRAWN	daburdell	PASSED	& Carl Prayey	REVISED	
CHECKED	JSB SMR		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BEARING DETAILS PIER 6 (SOUTH) SN 072-0128 (EB) SHEET NO. 45 OF 64 SHEETS

A.I. TE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
174	72-4(HB,HUB-1,HUB)B-R	PEORIA	196	62		
		CONTRACT	NO. 6	8887		
	THE THOSE FED. AND DROJECT					



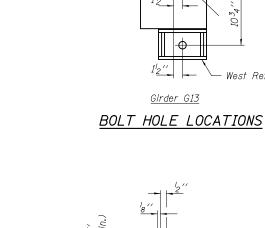


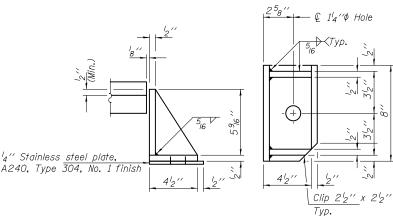
BEARING ASSEMBLY

Shim plates shall not be placed under Bearing Assembly.

'4'' Stainless steel plate, A240, Type 304, No. 1 finish

TYI/REPS 1-18-2017





ΙΦ-

Girder G13

West Retainer

— € Top Æ

East Retainer

East Retainer SIDE RETAINERS (Typ. except Girder G13) Equivalent rolled angle with stiffeners (7 Req'd.) will be allowed in lieu of welded plates.

East Retainer (Girder G13 Only) (1 Req'd.)

BEAM REACTIONS

R₽	(K)	59 . 4
R4	(K)	51 . 2
Imp.	(K)	11.0
R (Total)	(K)	121.6

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 = 70 Tons.

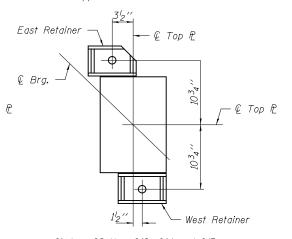
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of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

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

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

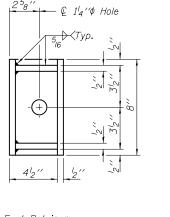
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.

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.



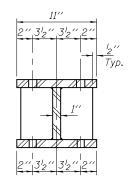
Girders G8 thru G12, G14 and G15

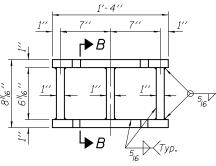
BOLT HOLE LOCATIONS



PLAN TOP AND BOTTOM PLATE

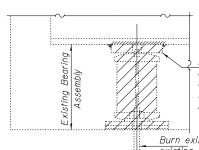
€ 78''\$ Holes





SECTION B-B

STEEL EXTENSION DETAIL

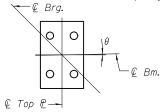


Existing P2 to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange.

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 or Temporary Shoring and Cribbing.



1° 02′ 47′

2° 03′ 15′

3° 01′ 34′′

<u>Girders G8 thru G15</u>

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	8
Jack and Remove Existing Bearings	Each	7
Temporary Shoring and Cribbing	Each	1
Furnishing and Erecting Structural Steel	Pound	1460
Anchor Bolts 1''¢	Each	<i>1</i> 6

BILL OF MATERIAL

See sheet 53 of 64 for location of Temporary Shoring and Cribbing.

See sheet 28 of 64 for girder and bearing layout.

2º8''- © 1'4''\$ Hole

DESIGNED	JSB	EXAMINED	I mot A All It	DATE	JANUARY 31. 2018
CHECKED	SMR		ACTING ENGINEER OF STRUCTURAL SERVICES		
DRAWN	daburdell	PASSED	S. Carl Prayey	REVISED	
CHECKED	JSB SMR		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

West Retainer

(8 Req'd.)

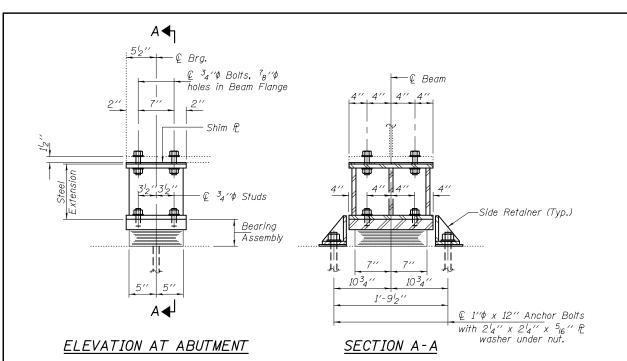
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** **BEARING DETAILS PIER 8 (NORTH)** SN 072-0128 (EB) SHEET NO. 46 OF 64 SHEETS

G14

Girder

68 thru G11

4.Ι . ΓΕ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	72-4(HB,HUB-1,HUB)B-R	PEORIA	196	63
		CONTRACT	NO. 6	3887
	TILL THOSE FED. AS	D DDO IECT		



Bonded

BEARING ASSEMBLY

Shim plates shall not be placed

under Bearing Assembly.

14" Stainless steel plate,

TYI/REPS 1-18-2017

A240, Type 304, No. 1 finish

³₄′′¢ Threaded Stud with flat washer &

178" x 11" x 1'-4"

<u>7</u> Layers of ⁷16'' Elastomer (55 Durometer)

- € 1½′′¢ Hole

hex nut. (4 Regd.)

6-18" Steel Plates

BEAM REACTIONS

		-
R₽	(K)	57.2
R4	(K)	46.2
Imp.	(K)	9.9
R (Total)	(K)	113 3

East Retainer

₽ Brg.

€ Top P

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 = 65 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 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.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

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

Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.

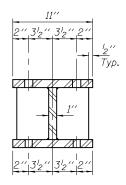
New bearing plates, steel extensions, shim plates, side retainers, anchor bolts, connection bolts, nuts and washers shall be galvanized according to AASHTO Mill or M232 as applicable.

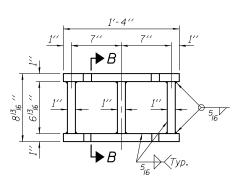
€ Top P

West Retainer

€ 78''\$ Holes

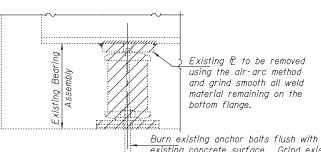
PLAN TOP AND BOTTOM PLATE





SECTION B-B

STEEL EXTENSION DETAIL

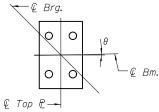


Existing P to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange.

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

EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings or Temporary Shoring and Cribbing.



<u>Girders G8 t</u>hru G18

Girder	θ
G8 thru G15	0°
G16	1° 09′ 48′′
G17	2° 16′ 46′′
G18	3° 01′ 34′′

Total Elastomeric Bearing 11 Each A*ssembly, Type I* Jack and Remove 7 Each Existing Bearings Temporary Shoring and 4 Fach Cribbing Furnishing and Erecting Pound 2020 Structural Steel Anchor Bolts 1''\$

BILL OF MATERIAL

See sheet 53 of 64 for location of Temporary Shoring and Cribbing.

See sheet 28 of 64 for girder and bearing layout.

DESIGNED	JSB	EXAMINED	I most A A Oct	DATE	JANUARY 31, 2018	Τ
CHECKED	SMR		ACTING ENGINEER OF STRUCTURAL SERVICES			l
DRAWN	daburdell	PASSED	d. Carl Princy	REVISED		1
CHECKED	JSB SMR	1	ENGINEER OF BRIDGES AND STRUCTURES	REVISED		1

West Retainer

(Girder G14 Only)

(1 Reg'd.)

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** **BEARING DETAILS PIER 8 (SOUTH)** SN 072-0128 (EB) SHEET NO. 47 OF 64 SHEETS

SECTION COUNTY 474 72-4(HB,HUB-1,HUB)B-R PEORIA 196 64 CONTRACT NO. 68887

Clip 21/2" x 21/2" West Retainer

(10 Reg'd.)

Girders G8 thru G13, G15 thru G18

BOLT HOLE LOCATIONS

East Retainer (11 Req'd.)

- € 1^l4′′¢ Hole

East Retainer

l₄'' Stainless steel plate, A240, Type 304, No. 1 finish

West Retainer

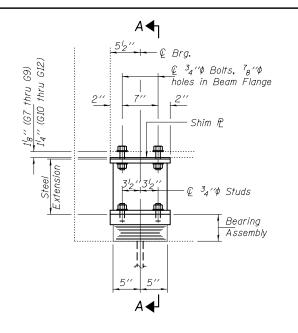
Girder G14

BOLT HOLE LOCATIONS

(Typ. except Girder G14)

SIDE RETAINERS

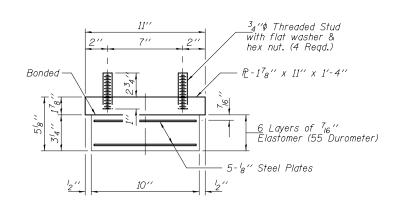
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



SECTION A-A Side Retainer (Typ.) Side Retainer (Typ.) $2^{1/9} \times 12^{1/9} \times 12^{1/9}$

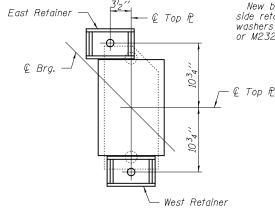
ELEVATION AT ABUTMENT

TYPE I ELASTOMERIC EXP. BRG.



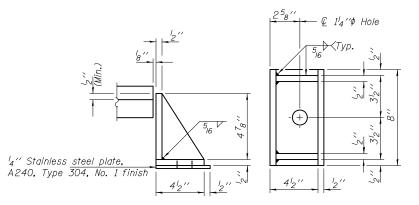
BEARING ASSEMBLY

Note: Shim plates shall not be placed under Bearing Assembly.



Girders G8 thru G18

BOLT HOLE LOCATIONS



SIDE RETAINER

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

See sheet 28 of 64 for girder and bearing layout.

BEAM REACTIONS

R₽	(K)	<i>53.1</i>
R4	(K)	45.8
Imp.	(K)	10.0
R (Total)	(K)	108.9

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).

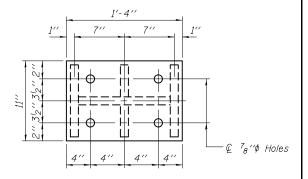
Min. jack capacity = 65 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

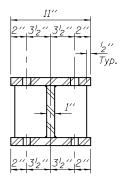
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

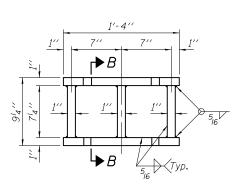
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.

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.



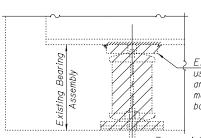
PLAN TOP AND BOTTOM PLATE





SECTION B-B

STEEL EXTENSION DETAIL

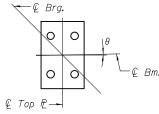


Existing P to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange.

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.



Girders G8 thru G18

Girder	θ
G8 thru G15	0°
G16	1° 09′ 48′′
G17	2° 16′ 46′′
G18	3° 58′ 37′′

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	11
Jack and Remove Existing Bearings	Each	11
Furnishing and Erecting Structural Steel	Pound	2080
Anchor Bolts 1''¢	Each	22

TYI/REPS 1-18-2017

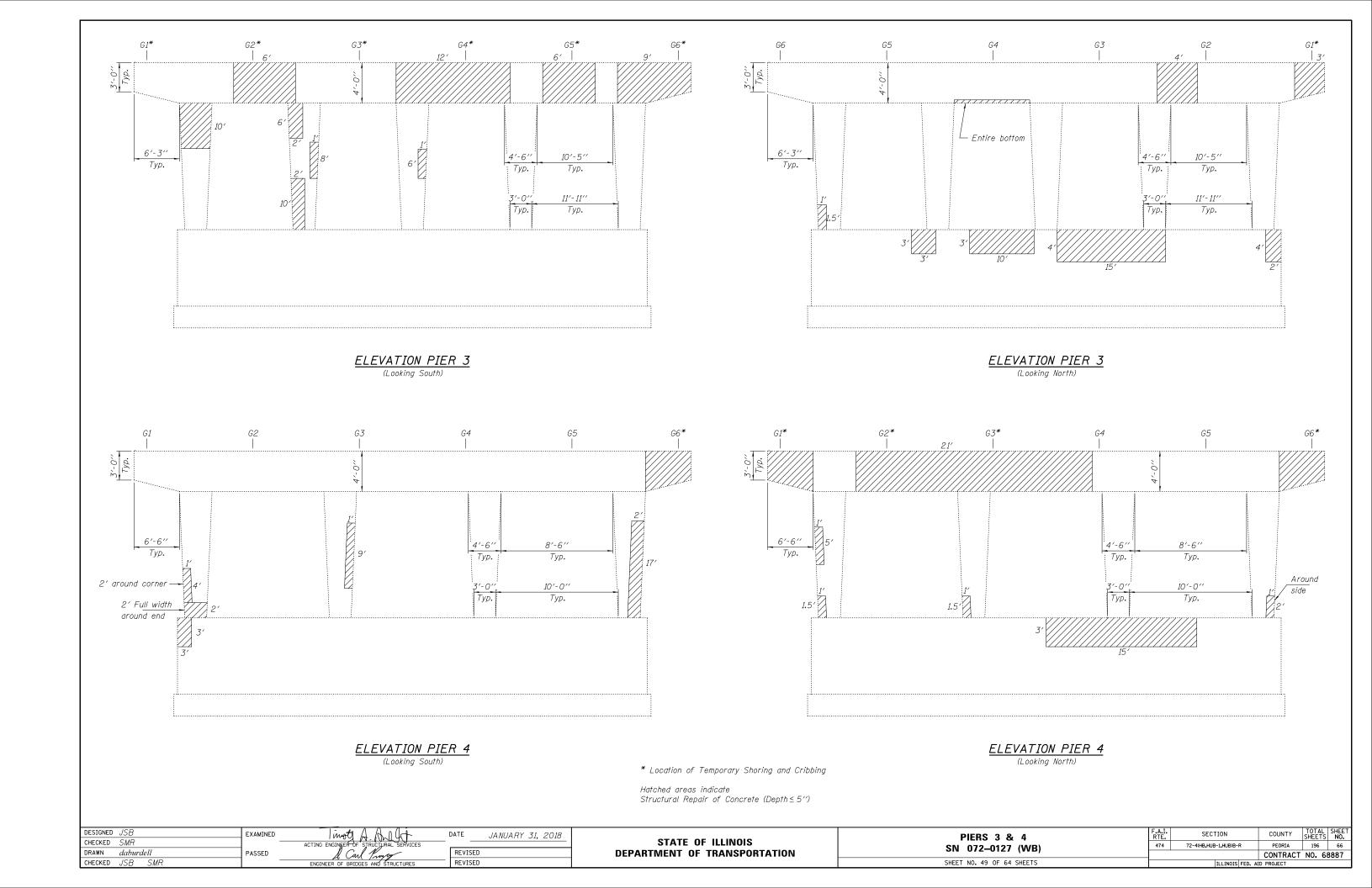
DESIGNED	JSB	EXAMINED	I mot A All It	DATE	JANUARY 31, 2018
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DRAWN	daburdell	PASSED	d. Carl Proper	REVISED	
CHECKED	JSB SMR		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

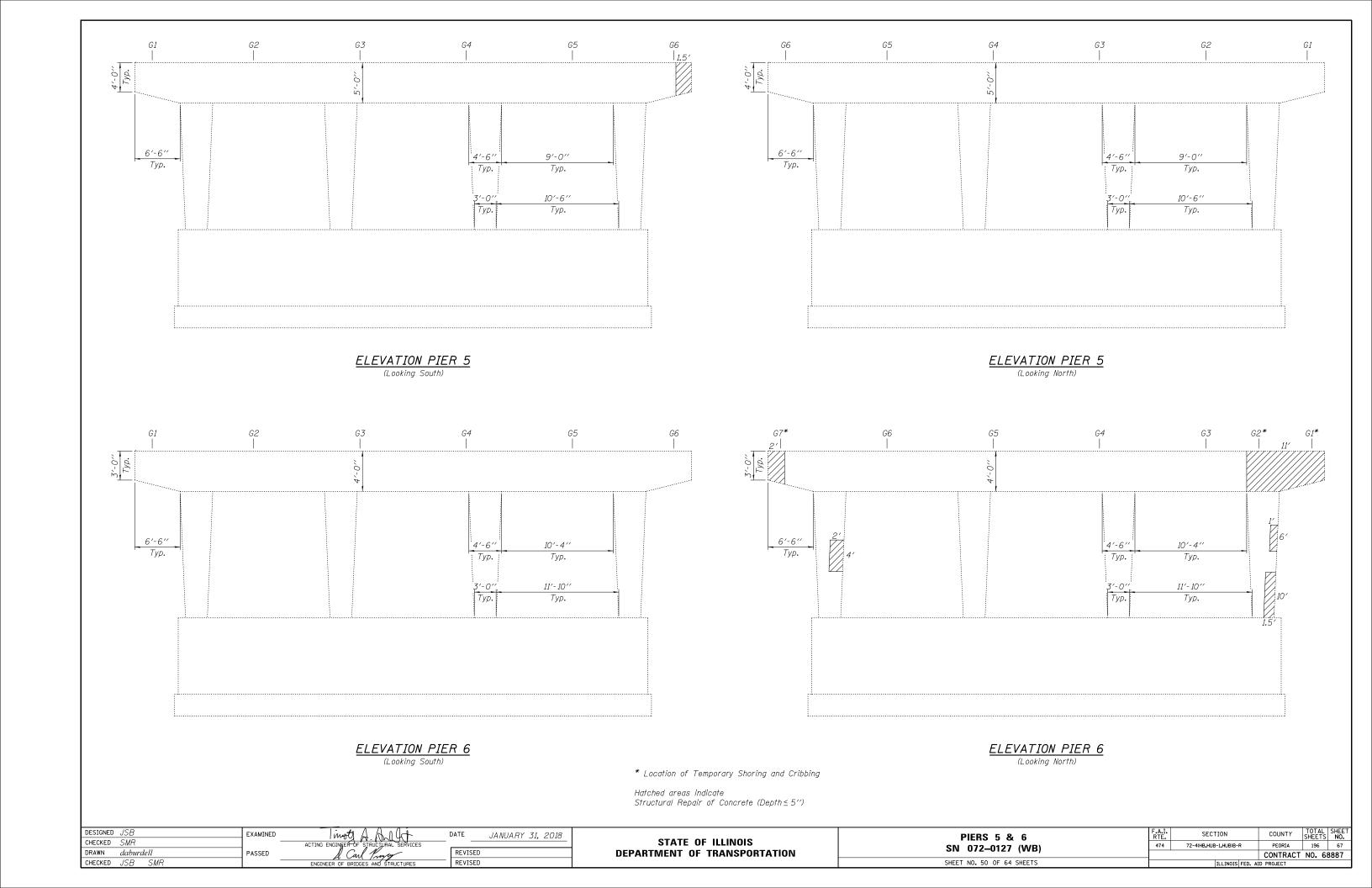
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

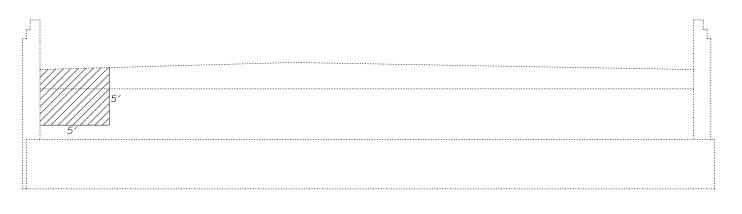
BEARING DETAILS SOUTH ABUTMENT SN 072-0128 (EB)

SHEET NO. 48 OF 64 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
474	72-4(HB,HUB-1,HUB)B-R	PEORIA	196	65			
		CONTRACT	NO. 6	8887			





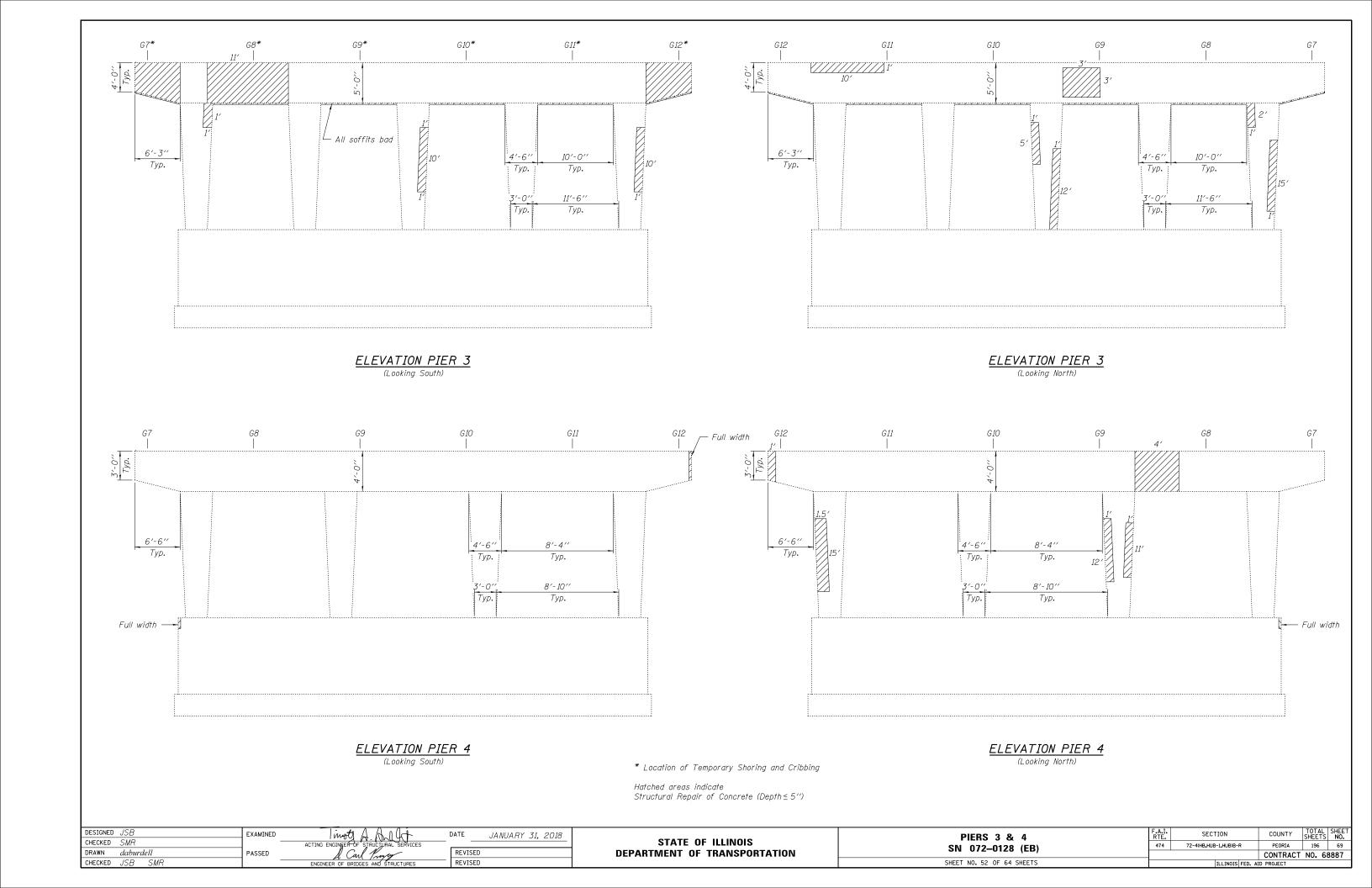


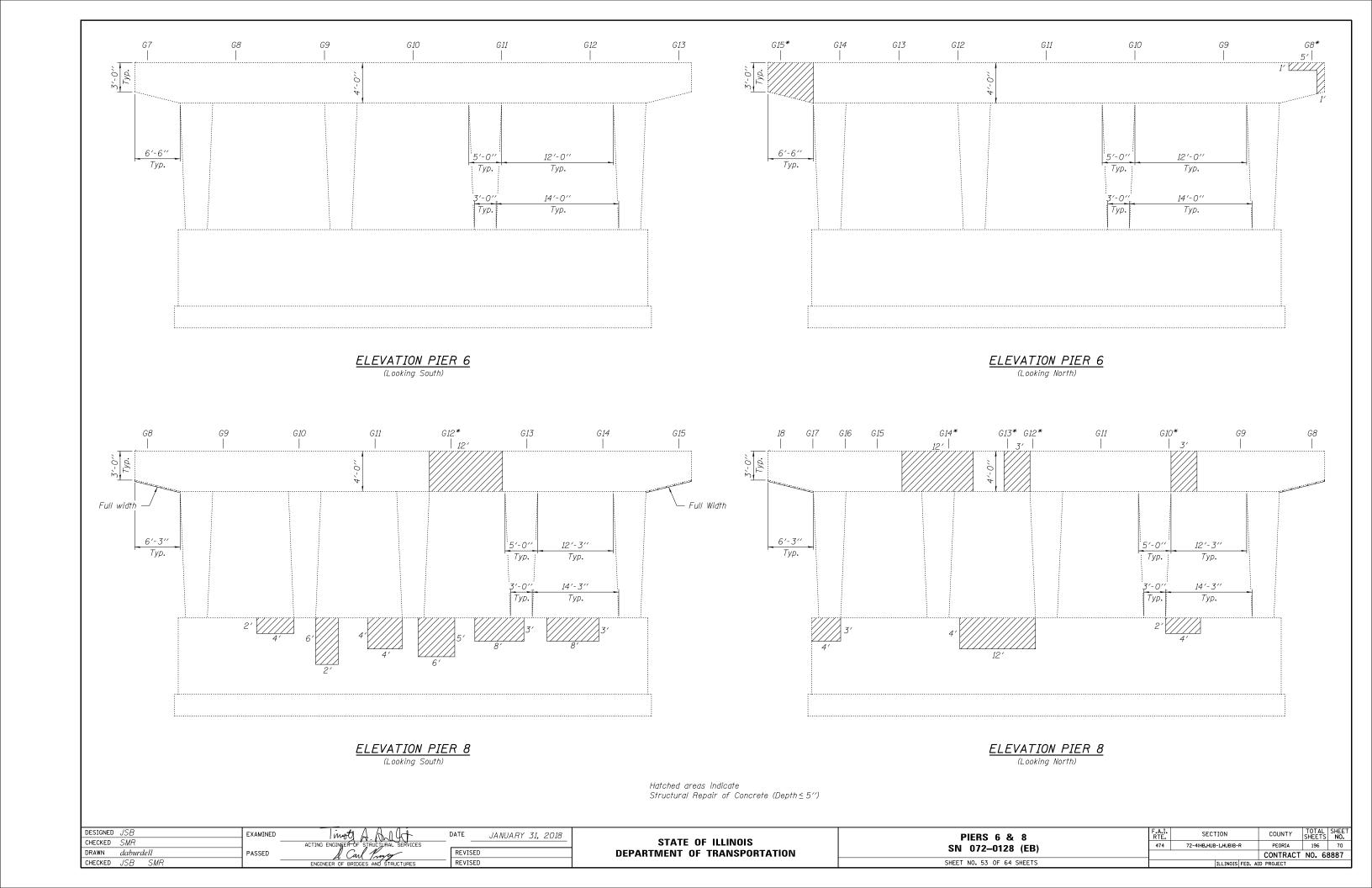
ELEVATION SOUTH ABUTMENT

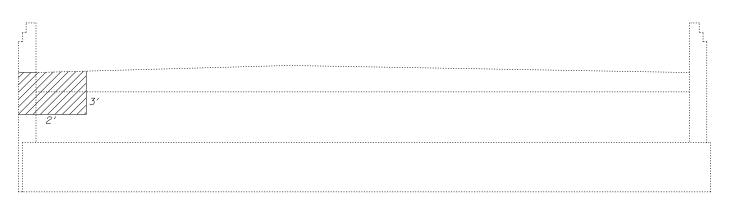
(Looking South)

Hatched areas indicate Structural Repair of Concrete (Depth≤5'')

DESIGNED JSB CHECKED SMR DRAWN dahurdell	EXAMINED -	ACTING ENGINEER OF STRUCTURAL SERVICES	DATE JANUARY 31, 2018 REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH ABUTMENT SN 072-0127 (WB)	F.A.I. RTE. 474	SECTION 72-4(HB,HUB-1,HUB)B-R	COUNTY	TOTAL SHEET NO.
CHECKED JSB SMR	- A33ED	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	DEFARTIVIENT OF TRANSFORTATION	SHEET NO. 51 OF 64 SHEETS	-	ILLINOIS FED.	AID PROJECT	T NO. 68887





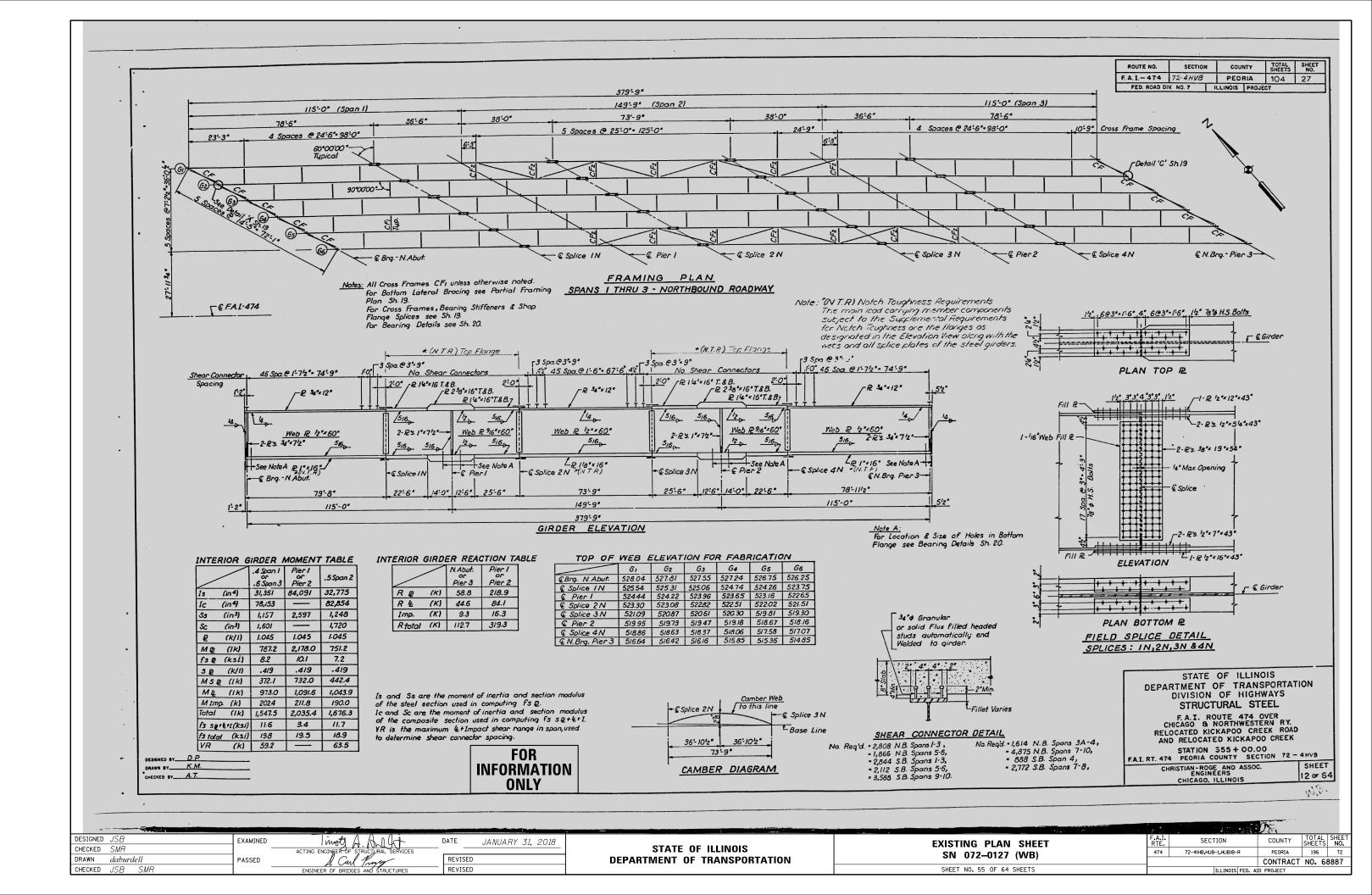


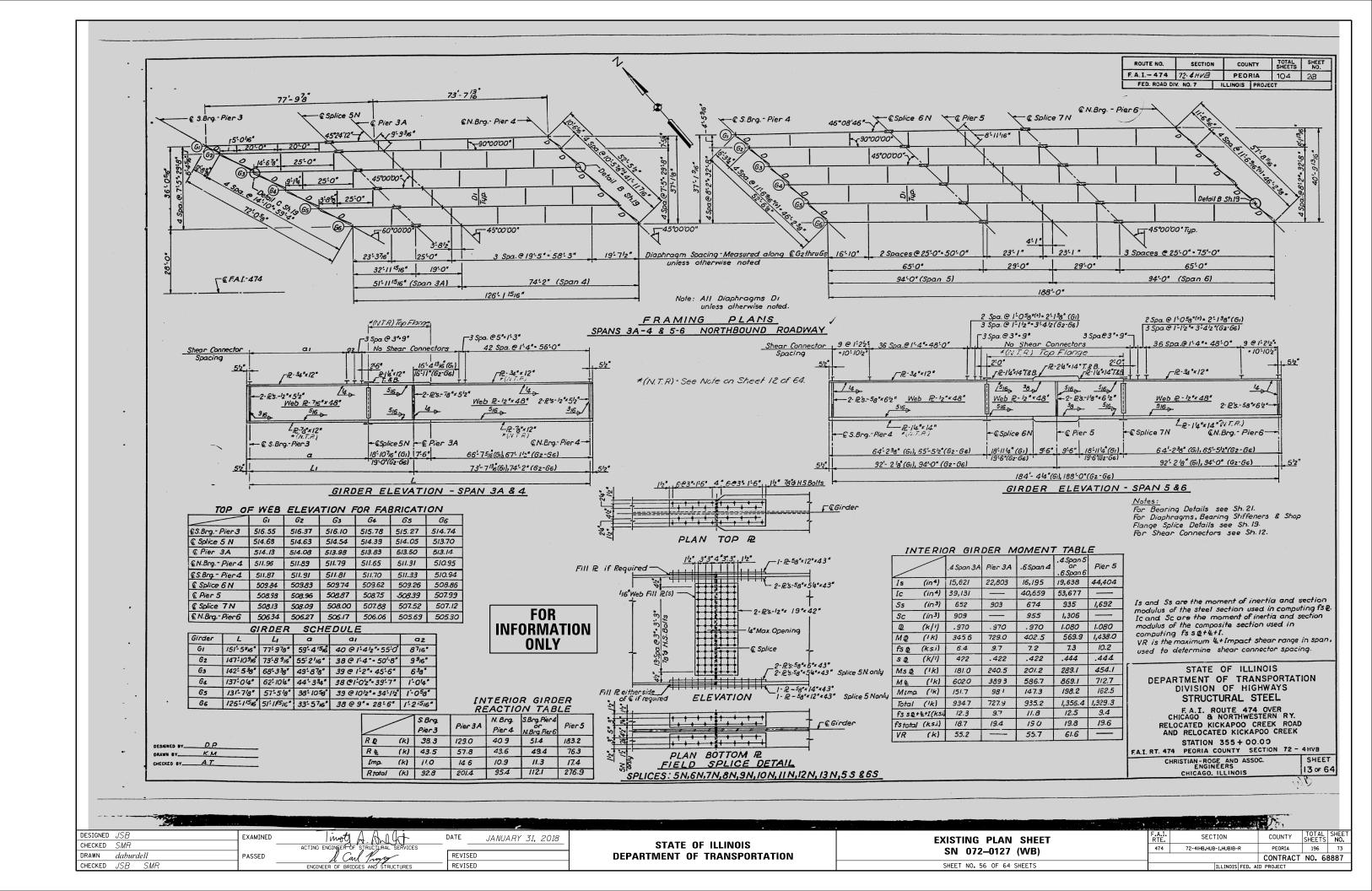
ELEVATION SOUTH ABUTMENT

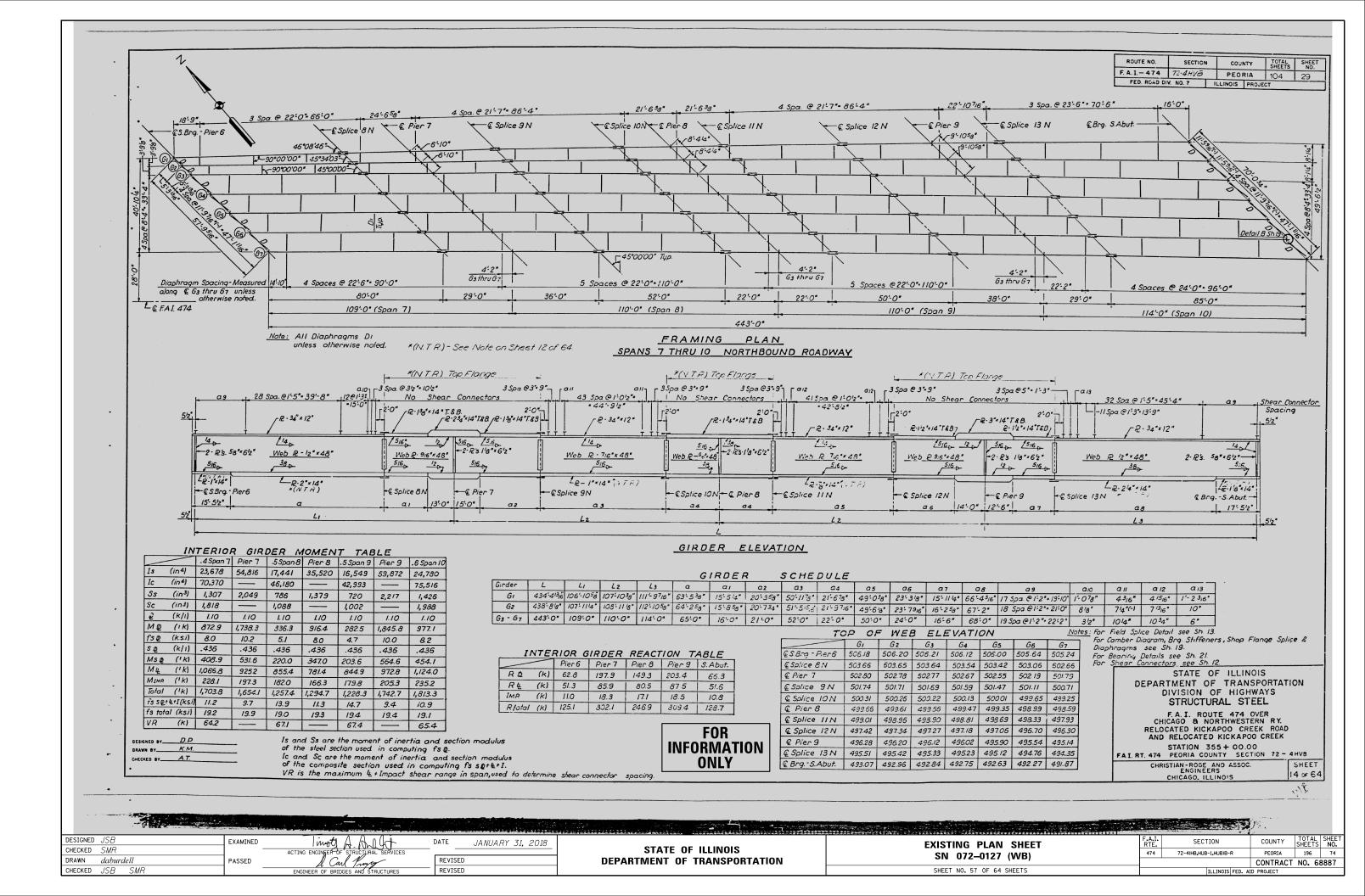
(Looking South)

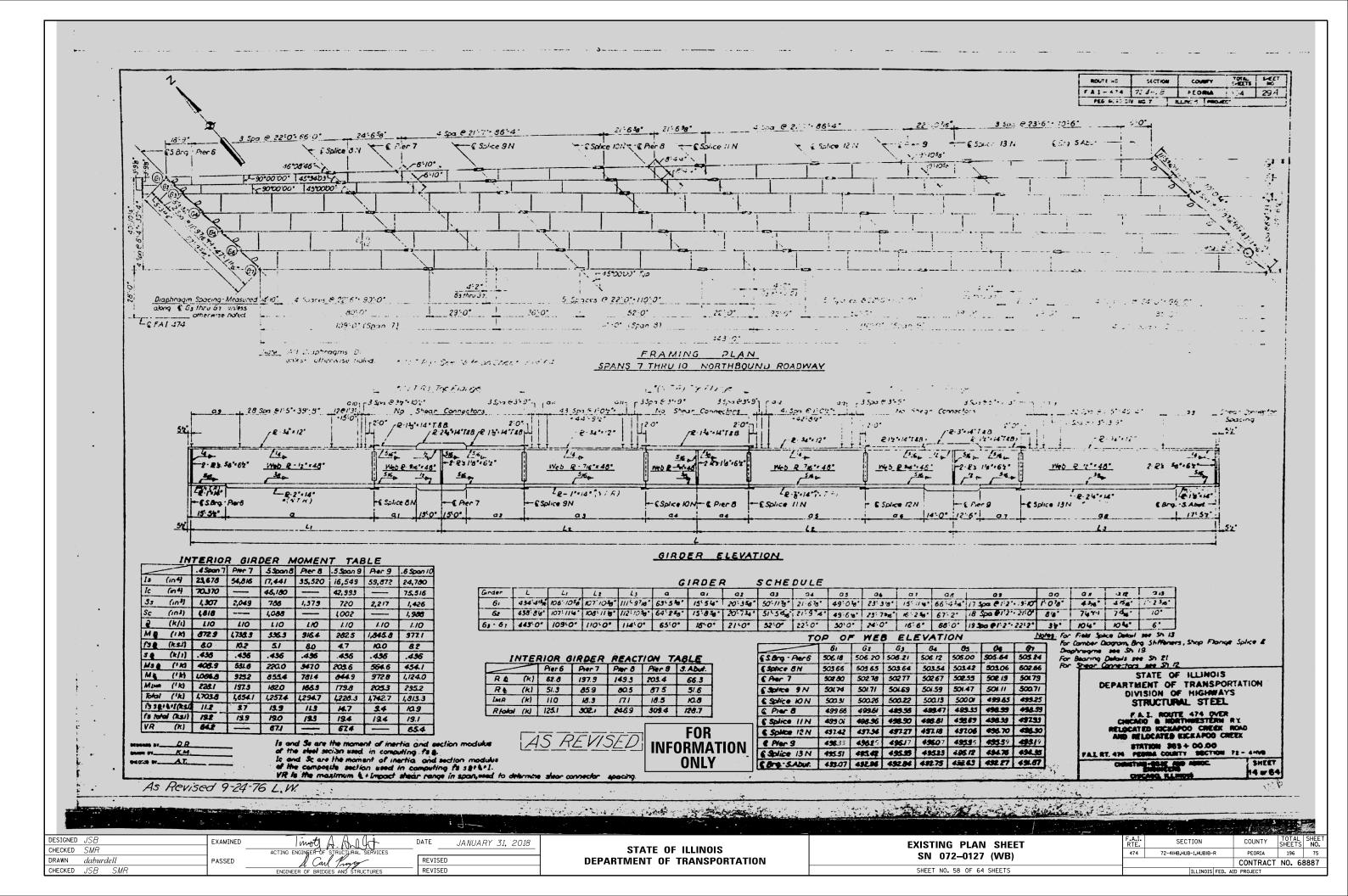
Hatched areas indicate Structural Repair of Concrete (Depth≤5′′)

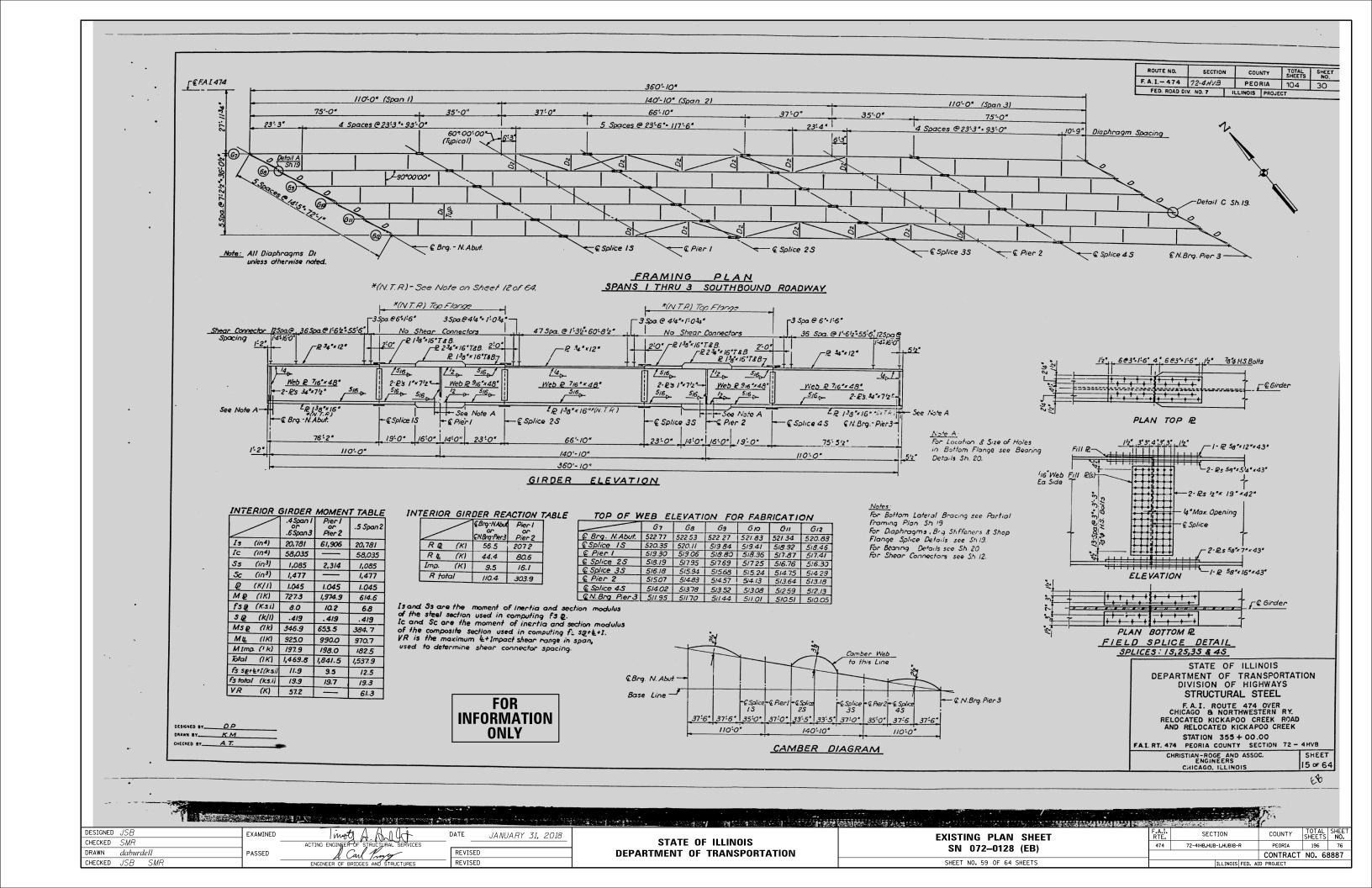
DESIGNED JSB	EXAMINED	I mot A All at	DATE JANUARY 31, 2018	27477 27 1141112	SOUTH ABUTMENT	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED SMR DRAWN dahurdell	PASSED	ACTING ENGINEER OF STRUCTURAL SERVICES	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 072-0128 (EB)	474	72-4(HB,HUB-1,HUB)B-R	PEORIA	196	71
CHECKED JSB SMR	-	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	DEFAITIVE OF THAIRD OF ATTOM	SHEET NO. 54 OF 64 SHEETS		ILLINOIS FED.	AID PROJECT	1 110. 6	1 0000

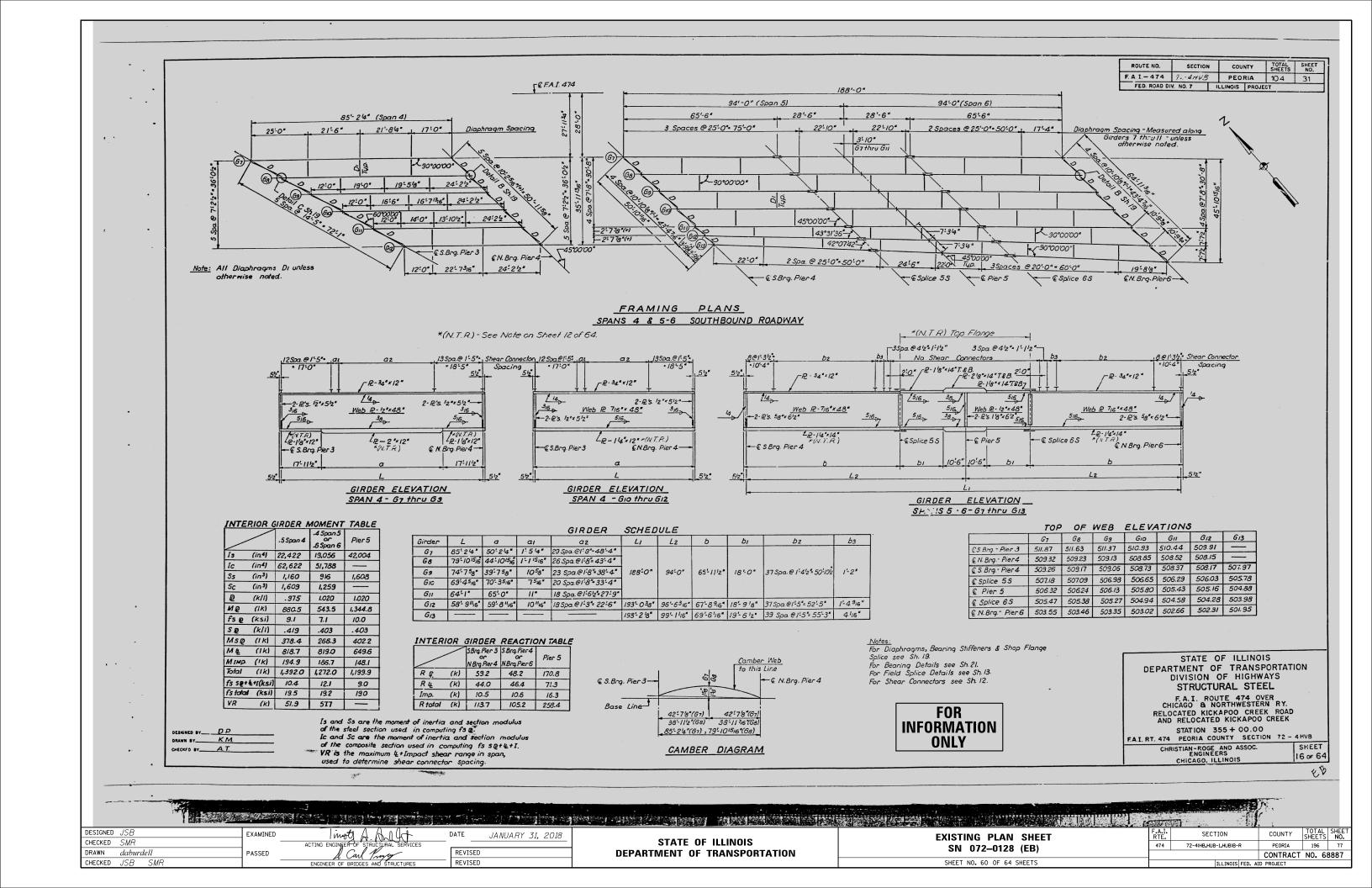


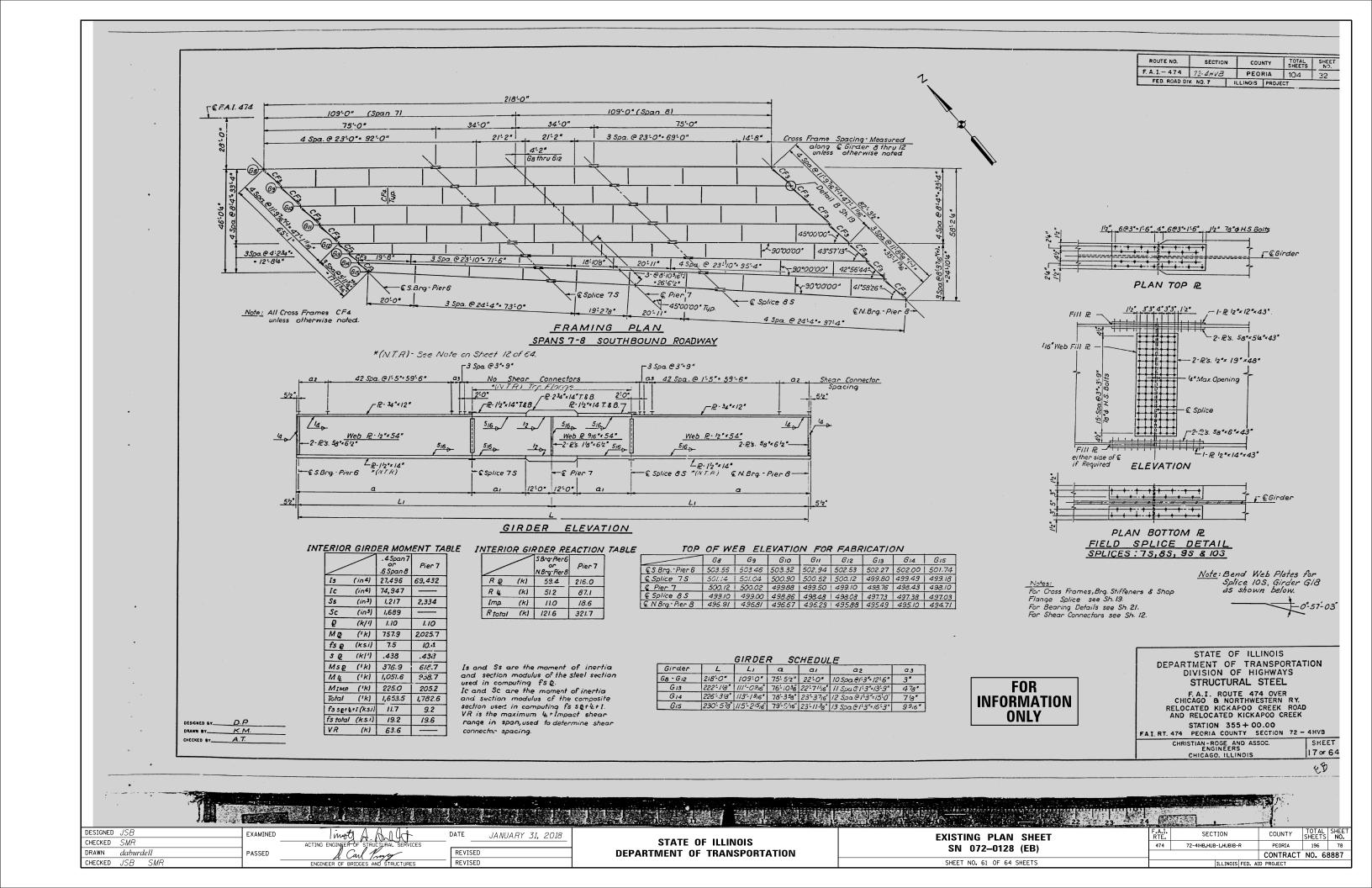


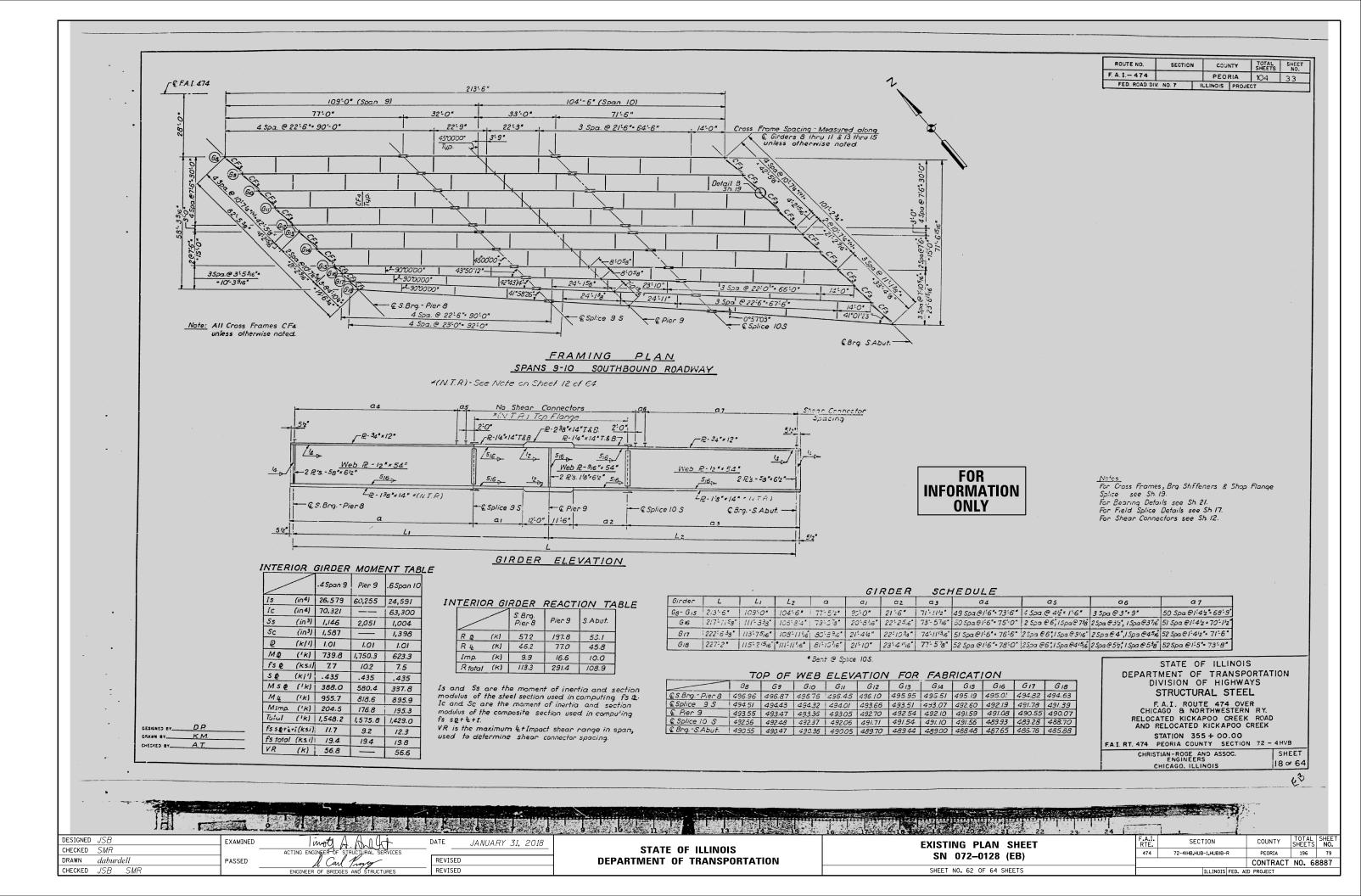


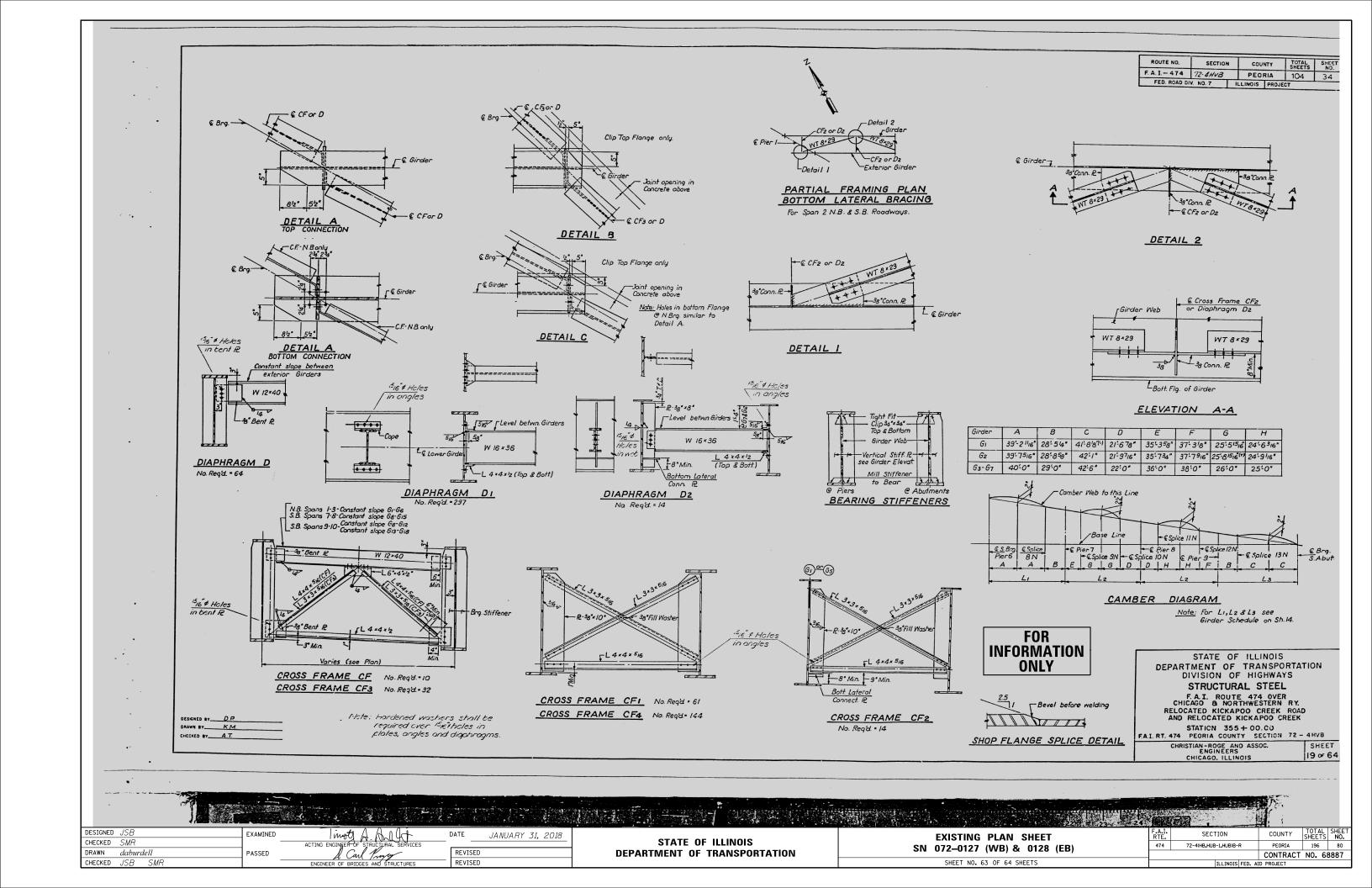


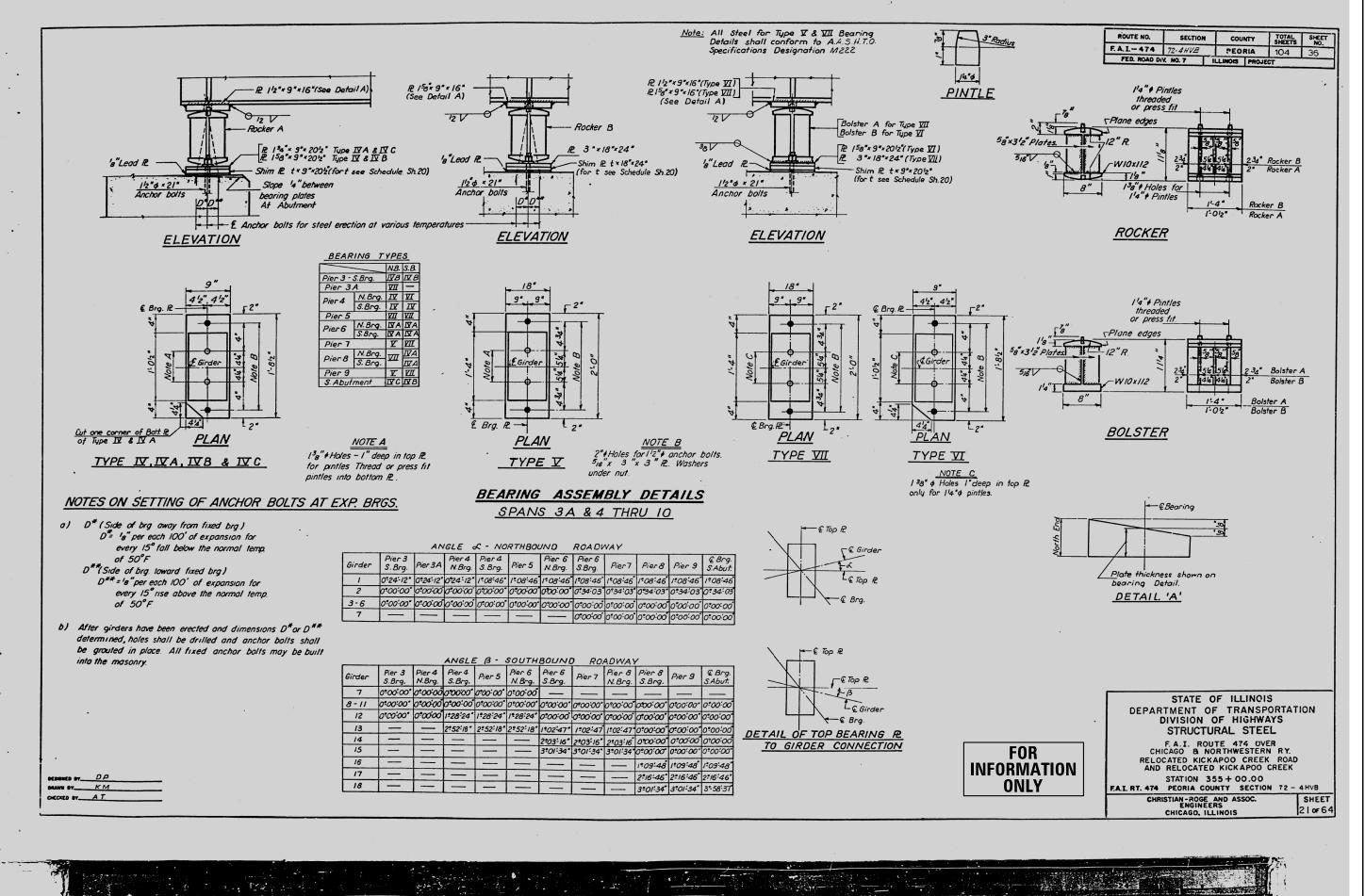




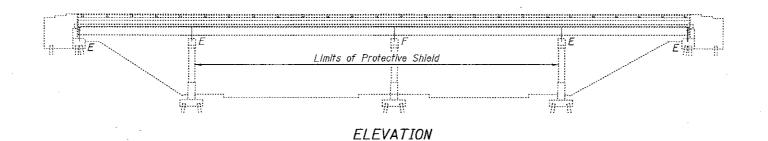


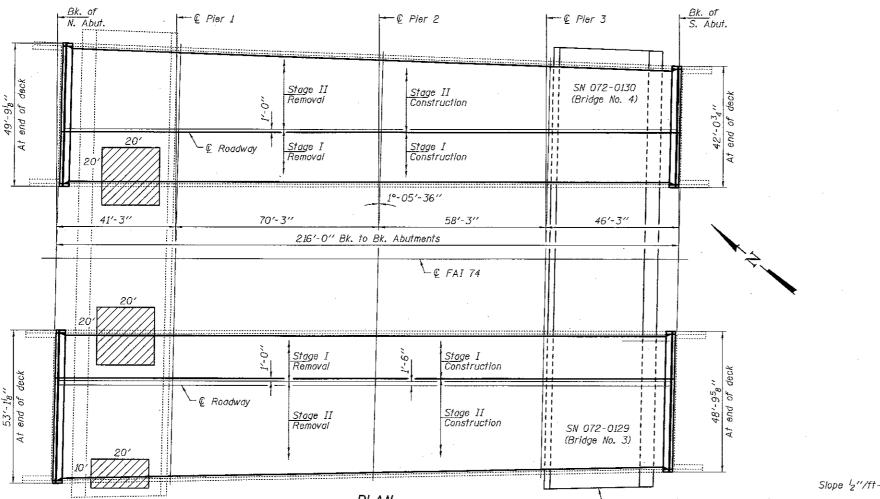




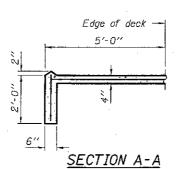


DESIGNED JSB EXAMINED	I MOU A MILLYT	DATE JANUARY 31, 2018		EXISTING PLAN SHEET	RTE.	SECTION	COUNTY	SHEETS	, NO.
CHECKED SMR	ACTING ENGINEER OF STRUCTURAL SERVICES		STATE OF ILLINOIS	SN 072-0127 (WB) & 0128 (EB)	474	72-4(HB,HUB-1,HUB)B-R	PEORIA	196	81
DRAWN daburdell PASSED	& Carl Prayey	REVISED REVISED	DEPARTMENT OF TRANSPORTATION	SHEET NO. 64 OF 64 SHEETS	-	tu tuota sen u	CONTRACT	∴ NO. 6	8887





<u>PLAN</u> Hatched areas indicate Slopewall Slurry Pumping.



2'-0" 12 01 112

Entire slopewall to be

replaced. See Detail A.

Poured against undisturbed embankment

DETAIL A

SECTION THRU

CONCRETE SLOPEWALL

at rt, L's

<u>1'-0''</u> min. at

9'-0"

PLAN AND ELEVATION

FAI 474 OVER FA 10 (ADAMS STREET)

SN 072-0129 & 0130

SHEET NO. 1 OF 14 SHEETS

Back of

low brg. seat

EXPIRES 11-30-2018

LISAD CARL

PUZEY 081-005470

CPRINGFIELD ELLINCIS

DESIGNED

CHECKED

CH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted. Reinforcement bars designated (E) shall be epoxy coated.

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.

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.

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.

Synthetic fibers shall be added to the Bridge Deck Latex Concrete. See Special Provisions. Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

Fasteners shall be high strength bolts. Bolts $^{7}_{8}$ /' 6 , open holes $^{15}_{16}$ '' 6 , unless otherwise noted. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the special provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Slopewall shall be reinforced with welded wire fabric, $6'' \times 6''$ - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All existing steel shall be cleaned per Near White Blast Cleaning -SSPC-SP10. All existing steel shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final finish coat for all steel surfaces shall be Warm Gray, Munsell No. 2.5Y 5/1. The use of air monitors will be required.

A minimum of two air monitors will be required to monitor abrasive blasting operations.

The painting contractor shall be SSPC-QP1 and SSPC-QP2 certified for this project and shall

maintain certification throughout the duration of the project.

Care shall be taken not to damage rubber bearing or joint components during biasting and cleaning

operations. Any damage to these components shall be repaired at the contractor's expense.

Surface preparation at the construction joints shall be performed using high-pressurized water

spray, using equipment capable of producing a minimum water pressure of 5000 psi.

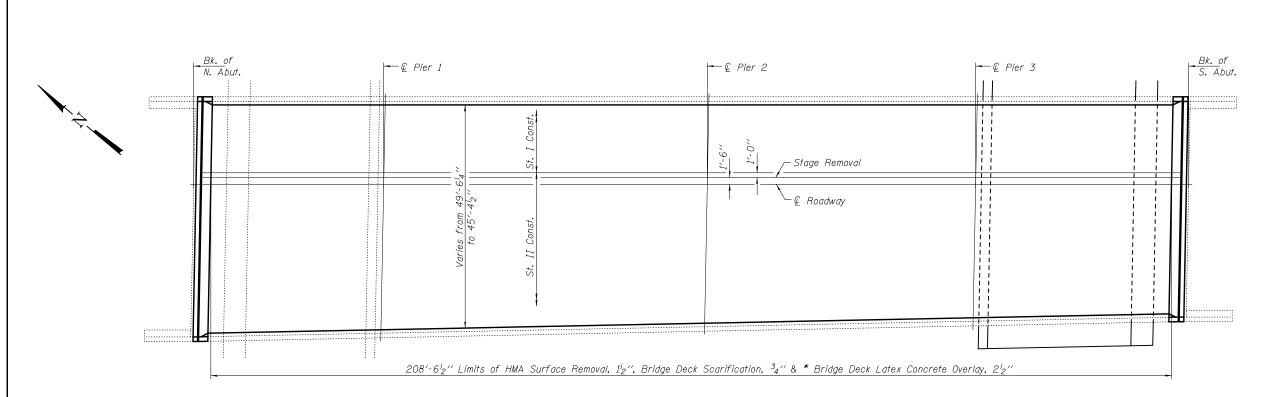
Cleaning and painting of beam ends shall be performed after the concrete removal at the joints has been completed and prior to the installation of any forms for the placement of the new concrete at those locations.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

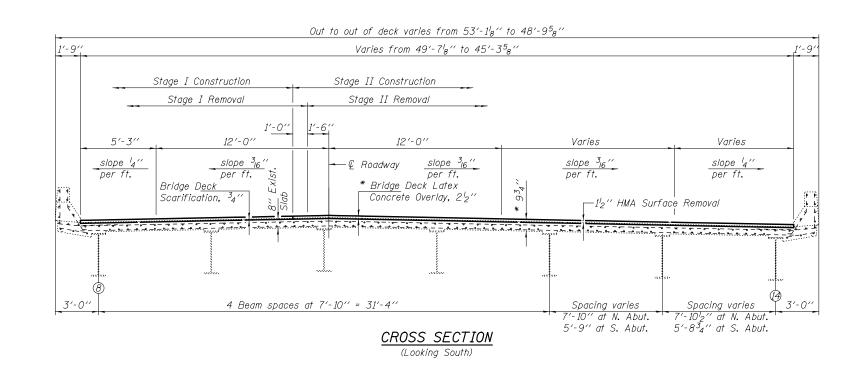
TOTAL BILL OF MATERIAL

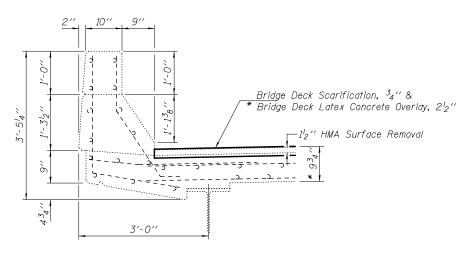
TOTAL DIEL OF MATE	112/12	
ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	30.8
Concrete Superstructure	Cu. Yd.	30.8
Preformed Joint Strip Seal	Foot	185
Reinforcement Bars, Epoxy Coated	Pound	3800
Bar Splicers	Each	56
Protective Coat	Sg. Yd.	2152
Diamond Grinding, 14"	Sq. Yd.	2143
HMA Surface Removal	Sq. Yd.	2084
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1580
Structural Repair of Concrete (Depth ≤ 5")	Sq. Ft.	77.3
Bridge Deck Scarification, 34''	Sq. Yd.	2084
Bridge Deck Latex Concrete Overlay, 212"	Sq. Yd.	2084
Furnishing and Erecting Structural Steel	Pound	3510
Elastomeric Bearing Assembly, Type II	Each	28
Jack and Remove Existing Bearings	Each	28
Anchor Bolts 1"#	Each	56
Slopewall Removal	Sg. Yd.	654
Slopewall, 4"	Sq. Yd.	654
Slopewall Slurry Pumping	Cu. Yd.	37
Protective Shield (Permanent)	Sq. Yd.	1380
Containment and Disposal of Lead	L. Sum	f
Paint Cleaning Residues Bridge No. 3	L. Suiii	4
Containment and Disposal of Lead	L. Sum	1
Paint Cleaning Residues Bridge No. 4	L. Suili	1
Cleaning and Painting Steel Bridge No. 3	L. Sum	1
Cleaning and Painting Steel Bridge No. 4	L. Sum	1
On new concrete and overlay only		

* On new concrete and overlay only.



DECK REPAIR PLAN





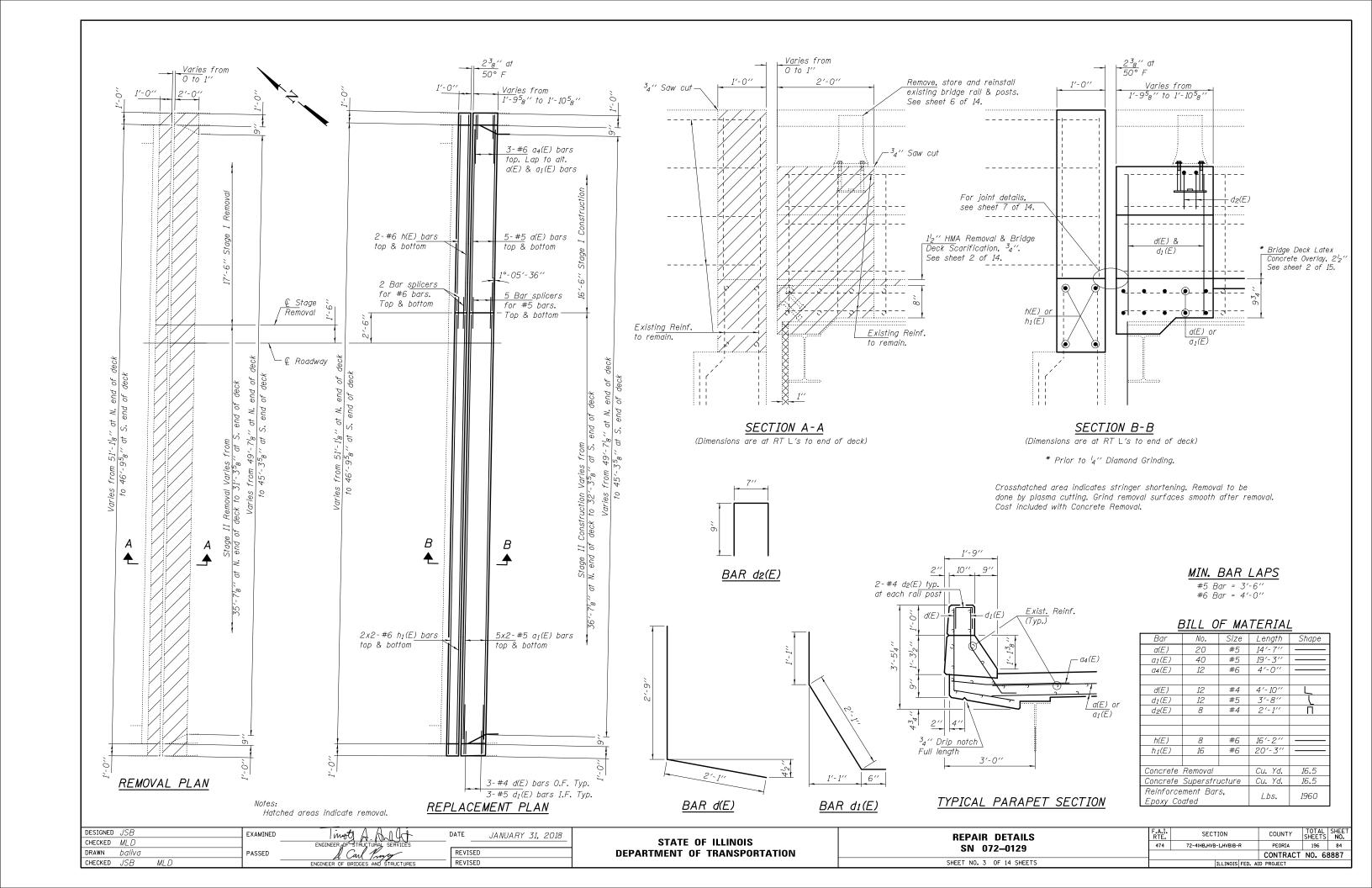
SECTION THRU PARAPET

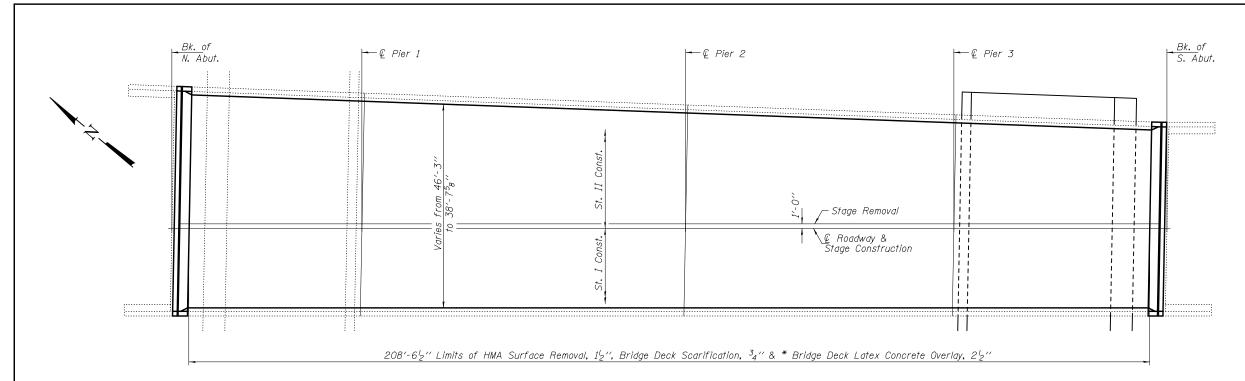
* Prior to l_4 " Diamond Grinding.

BILL OF MATERIAL

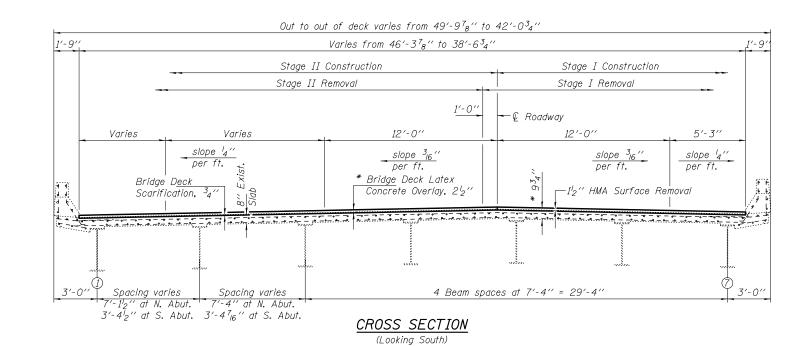
Item	Unit	Quantity
HMA Surface Removal, 1 ^l 2′′	Sq. Yd.	1100
Bridge Deck Scarification, 34′′	Sq. Yd.	1100
Bridge Deck Latex Concrete Overlay, 2½''	Sq. Yd.	1100
Diamond Grinding, ^l 4′′	Sq. Yd.	1130
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	873

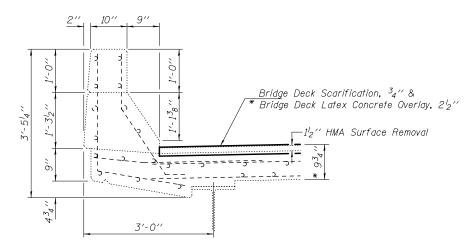
DESIGNED JSB	EXAMINED	Timoty A. And at	DATE JANUARY 31, 2018	OTATE OF HAMOLO	BRIDGE DECK REPAIR DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
CHECKED MLD	-	ENGINEER OF STRUCTURAL SERVICES	DEVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 072-0129	474	72-4(HB,HVB-1,HVB)B-R	PEORIA	196 83
CHECKED JSB MLD	PASSED —	ENGINEER OF BRIDGES AND STRUCTURES	REVISED REVISED	DEPARTMENT OF TRANSPORTATION	SHEET NO. 2 OF 14 SHEETS		ILLINOIS FED.	CONTRACT I	NO. 68887





DECK REPAIR PLAN





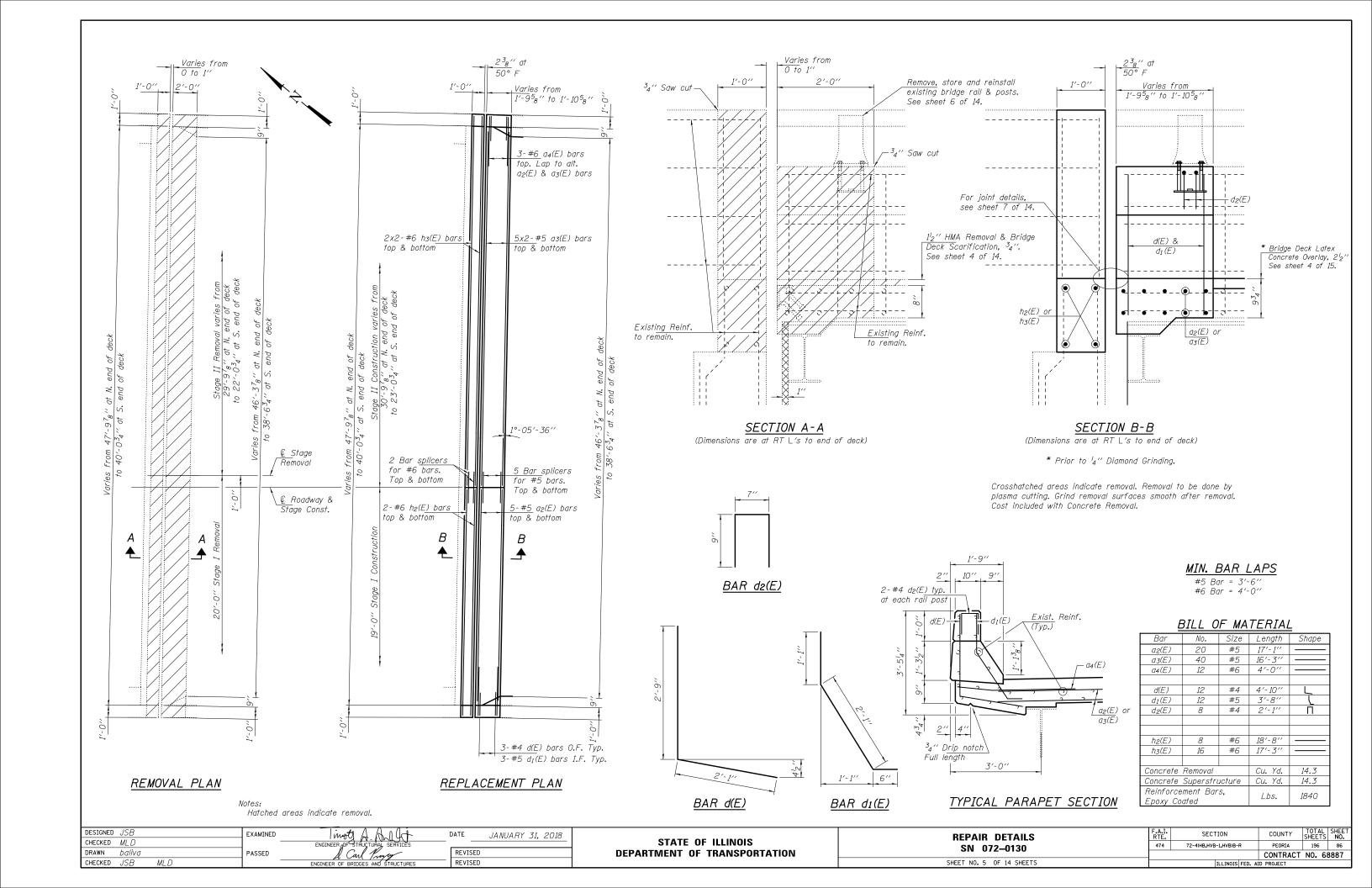
SECTION THRU PARAPET

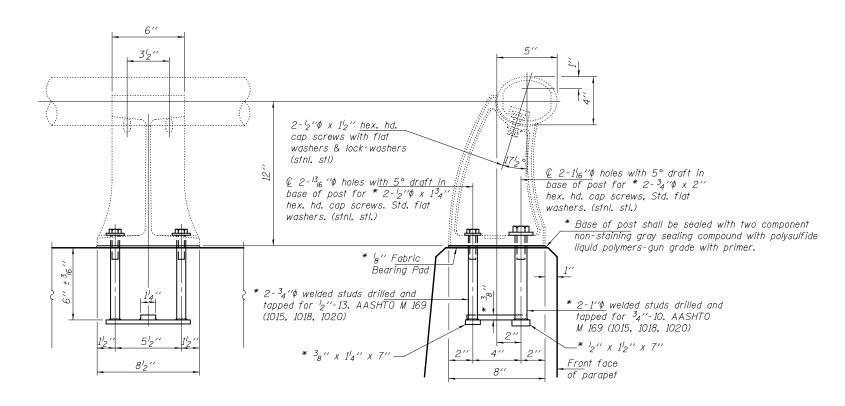
* Prior to ${}^{l}_{4}$ " Diamond Grinding.

BILL OF MATERIAL

Unit	Quantity
Sq. Yd.	984
Sq. Yd.	984
Sq. Yd.	984
Sq. Yd.	1012
Sq. Yd.	706
	Sq. Yd. Sq. Yd.

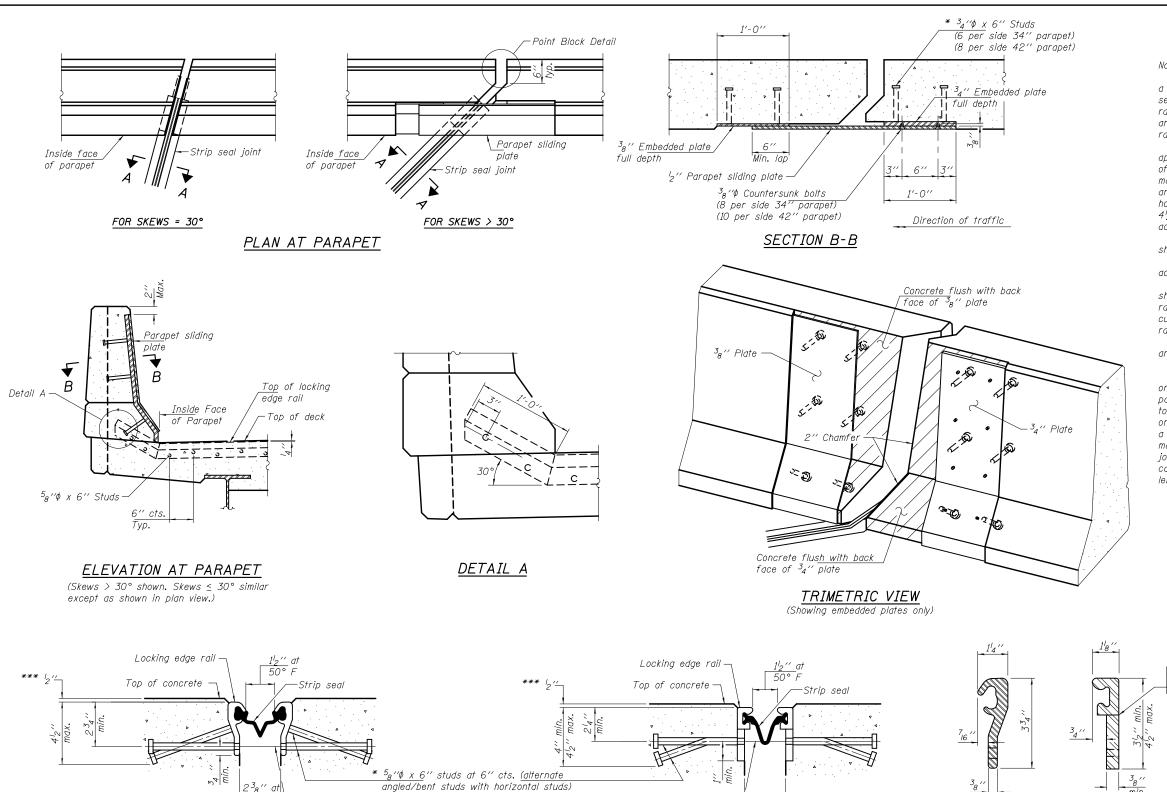
DESIGNED JSB	EXAMINED	I mot A All It	DATE JANUARY 31, 2018	07477 07 11111010	BRIDGE DECK REPAIR DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED MLD DRAWN baliva	- necen -	ENGINEER OF STRUCTURAL SERVICES	DEVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 072-0130	474	72-4(HB,HVB-1,HVB)B-R	PEORIA	196	85
CHECKED JSB MLD	- PASSED	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	DEPARTMENT OF TRANSPORTATION	SHEET NO. 4 OF 14 SHEETS		ILLINOIS FED.	CONTRACT AID PROJECT	NO. 6	3887





* New Rail Post anchorage devices will be required at each location where posts are connected to new construction. Cost included with Concrete Superstructure.

DESIGNED JSB	EXAMINED	Imot A. All 4	DATE JANUARY 31, 2018	OTATE OF HAMOIO	REPAIR DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
CHECKED MLD DRAWN baliva	PASSED	ENGINEER OF STRUCTURAL SERVICES	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 072-0129 & 0130	474	72-4(HB,HVB-1,HVB)B-R	PEORIA CONTRACT	196 87 T NO. 68887
CHECKED JSB MLD	1 -	ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 6 OF 14 SHEETS		ILLINOIS FED. A	AID PROJECT	1 1101 00001



The strip seal shall be made continuous and shall have a minimum thickness of ${}^{l}_{4}$ ". 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 $4\frac{l}{2}$ " maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

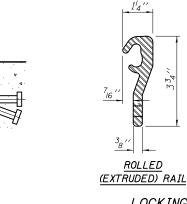
The manufacturer's recommended installation methods shall be followed.

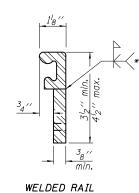
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be $^{3}{\rm l6}^{\prime\prime}$ 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.

Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.

34" F-shape barrier shown, 42" F-shape similar as noted. 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 RAIL SPLICE

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

Item	Unit	Total
Preformed Joint Strip Seal	Foot	185

*** Prior to $\frac{1}{4}$ " Diamond Grinding.

SHOWING ROLLED RAIL JOINT

8-11-17

EJ-SS

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. SHOWING WELDED RAIL JOINT

Specs., automatically end welded.

 $\frac{3_8}{'}$ threaded rods in $\frac{7_{16}}{'}$ 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.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	185

DESIGNED	JSB		EXAMINED	I mot A. And Gt	DATE	JANUARY 31. 2018	Γ
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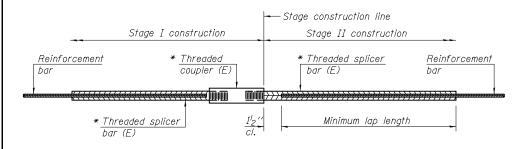
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** PREFORMED JOINT STRIP SEAL SN 072-0129 & 0130 SHEET NO. 7 OF 14 SHEETS

LOCKING EDGE RAILS

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

ROLLED

F.A.I. RTE.	SECTION			COUNTY	TOTA SHEET	L S	SHEE NO.
474	72-4(HB,HVB-1,HVB)B-R	!	T	PEORIA	196		88
			Т	CONTRACT	NO.	68	3887
	ILLINOIS F	FED.	AIL	PROJECT		_	



STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1^{l_2} " + thread length

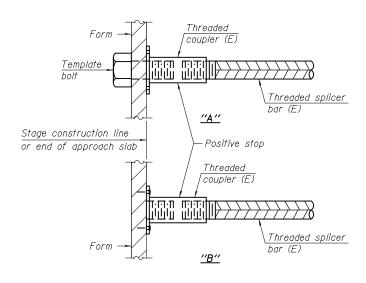
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

SN 072-0129

Location	Bar size	No. assemblies required	Minimum lap length
N. Abut. (Deck)	. Abut. (Deck) #5		3′-6′′
N. Abut. (HB)	#6	4	4'-0''
S. Abut. (Deck)	#5	10	3′-6′′
S. Abut. (HB)	#6	4	4'-0''

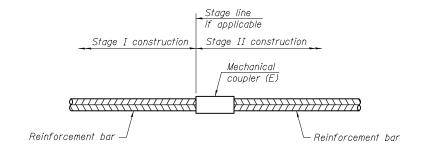
SN 072-0130

Location	Bar size	No. assemblies required	Minimum Iap length
N. Abut. (Deck)	#5	10	3′-6′′
N. Abut. (HB)	#6	4	4'-0''
S. Abut. (Deck)	#5	10	3′-6′′
S. Abut. (HB)	#6	4	4'-0''



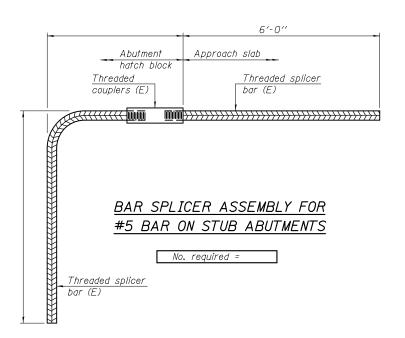
INSTALLATION AND SETTING METHODS

"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

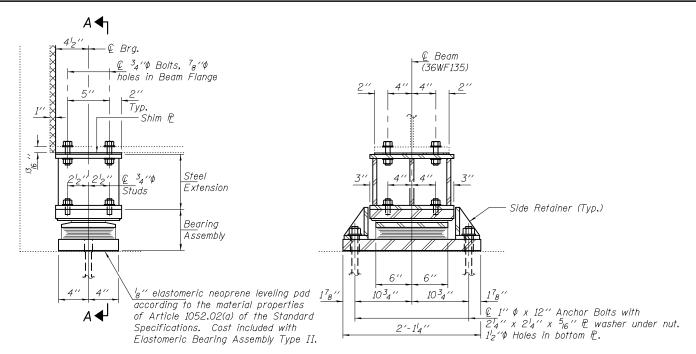
6-8-15

DESIGNED	JSB		EXAMINED	I mot A Mal at	DATE	JANUARY 31. 2018
CHECKED	MLD			ENGINEER OF STRUCTURAL SERVICES		
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CHECKED	JSB	MLD		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR

	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SN 072-0129 & 0130	474	72-4(HB,HVB-1,HVB)B-R	PEORIA	196	89
011 072 0120 & 0100			CONTRACT	NO. 68	8887
SHEET NO. 8 OF 14 SHEETS		TILINOIS FED AT	D PROJECT		

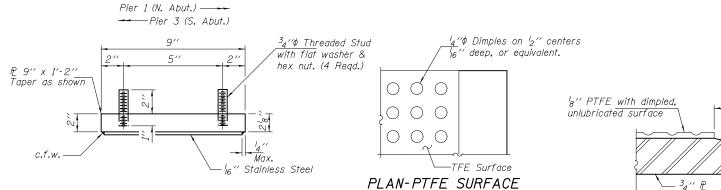


ELEVATION AT ABUTMENT

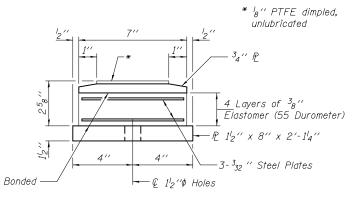
SECTION A-A

TYPE II TFE ELASTOMERIC EXP. BRG.

Crosshatched areas indicate removal. See sheet 3 of 14 for SN 072-0129. See sheet 5 of 14 for SN 072-0130.



TOP BEARING ASSEMBLY



BOTTOM BEARING ASSEMBLY

-@ 1½′′¢ Hole

SIDE RETAINER

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

BEAM REACTIONS

	SN 0	SN 072-0129		2-0130
	N. Abut.	S. Abut.	N. Abut.	S. Abut.
RQ (F	() <i>18.3</i>	23.1	17.2	21.6
R4 (A) 37.2	38.9	35.1	<i>36.4</i>
Imp. (F	() 11.2	11.5	62.8	10.8
R (Total) (F	() 66.7	<i>73.</i> 5	66.7	<i>68.8</i>

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 = 35 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 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.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Anchor bolts for Type II bearings shall be placed in holes drilled through the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.

Drilled and set anchor bolts shall be installed according

to Article 521.06 of the Standard Specifications. Side retainers shall be included in the cost of

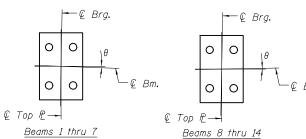
Elastomeric Bearing Assembly, Type II. The 8" PTFE sheet shall be bonded directly to the

top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 18" PTFE sheet during vulcanizing process will be permitted provided the process and method of

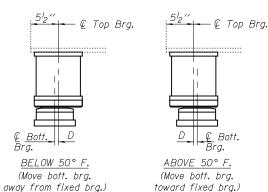
adjusting assembly height is approved by the Engineer.

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.



Beam	θ
1	2°-5′-32′′
2	1°-4′-29′′
3 thru 7	0°

	θ		Beam	θ
	2°-5′-32′′		8 thru 12	0°
	1°-4′-29′′		13	0°-33′-46′′
7	O°	l	14	1°-8′-45′′

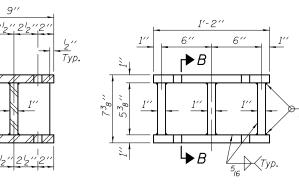


SETTING ANCHOR BOLTS AT EXP. BRG.

 $D = {}^{\prime}8^{\prime\prime}$ per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

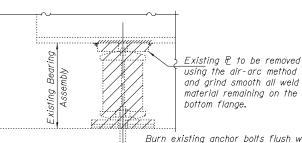
€ 78''¢ Holes 4′′

PLAN TOP AND BOTTOM PLATE



SECTION B-B

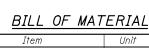
STEEL EXTENSION DETAIL



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.



Unit	Total
Each	28
Each	28
Pound	3510
Each	56
	Each Each Pound

TYII/REPS 12-03-2008

DESIGNED	JSB		EXAMINED	I mot A. All Gt	DATE	JANUARY 31, 2018
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CHECKED	JSB	MLD		ENGINEER OF BRIDGES AND STRUCTURES	REVISED)

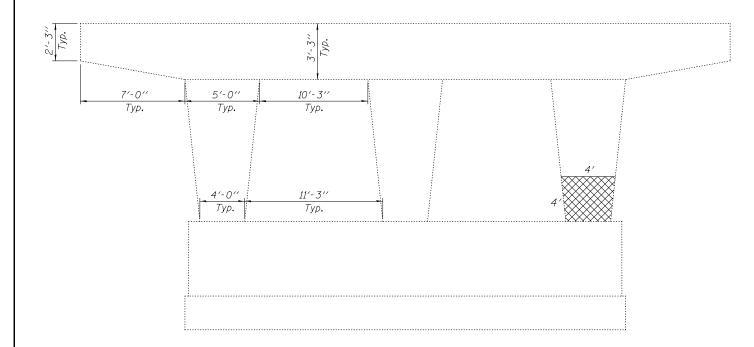
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

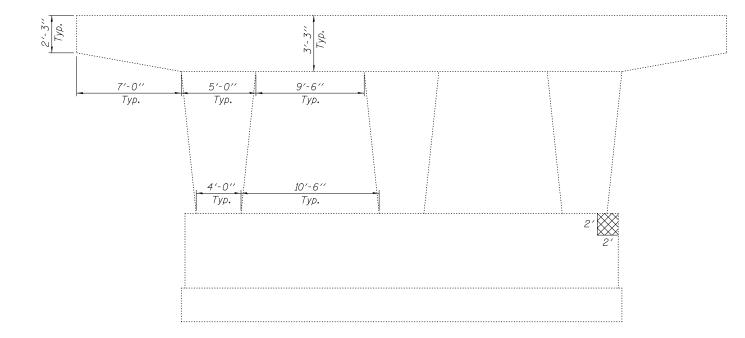
SECTION THRU PTFE

ABUTMENT BEARING REPLACEMENT DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SN 072-0129 & 0130	474	72-4(HB,HVB-1,HVB)B-R	PEORIA	196	90
014 072 0123 Q 0100			CONTRACT	NO. 68	8887
SHEET NO. 9 OF 14 SHEETS		ILLINOIS FED. A	D PROJECT		



$\frac{\textit{ELEVATION SOUTH ABUTMENT}}{\textit{(Looking South)}}$



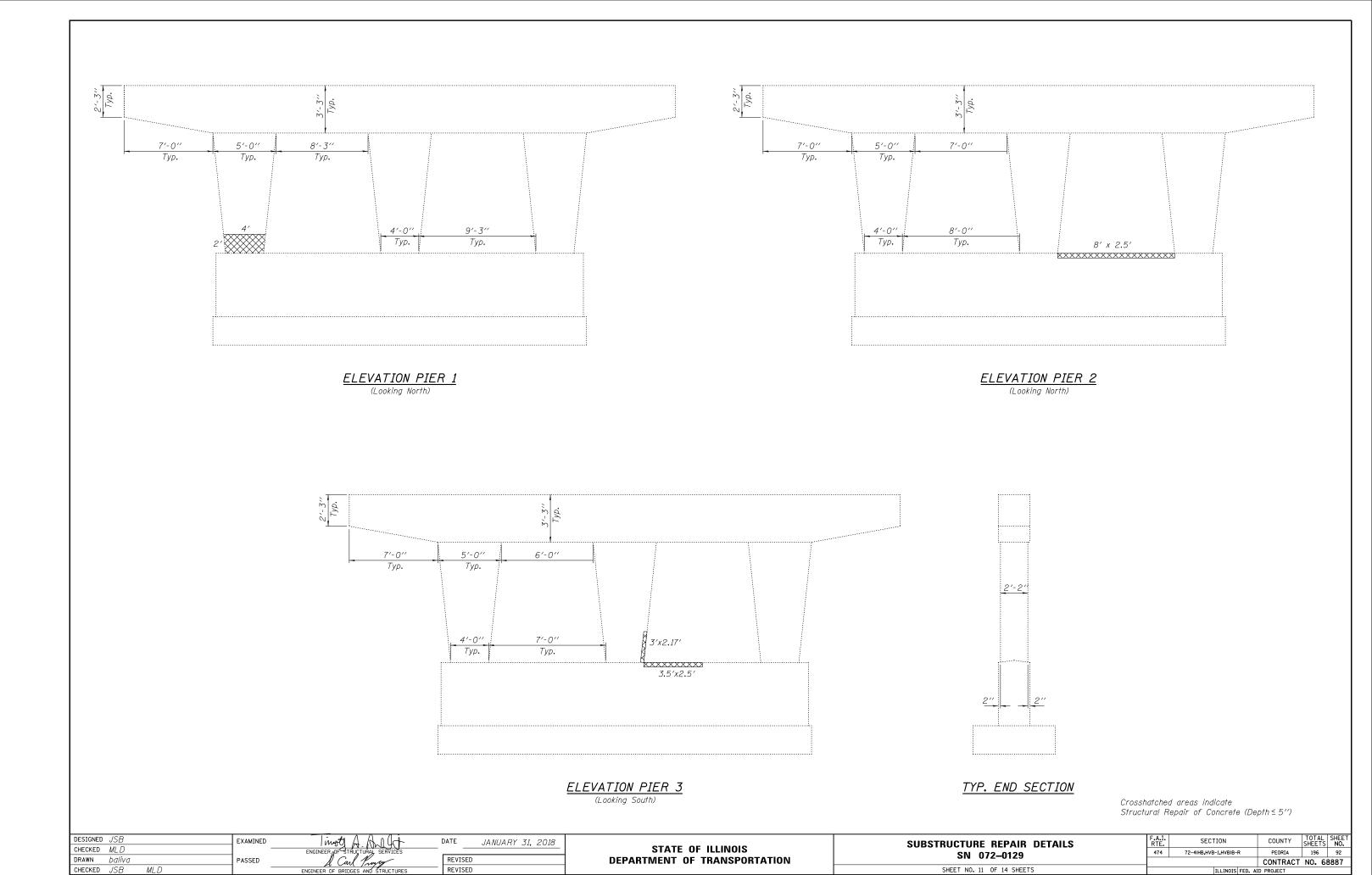


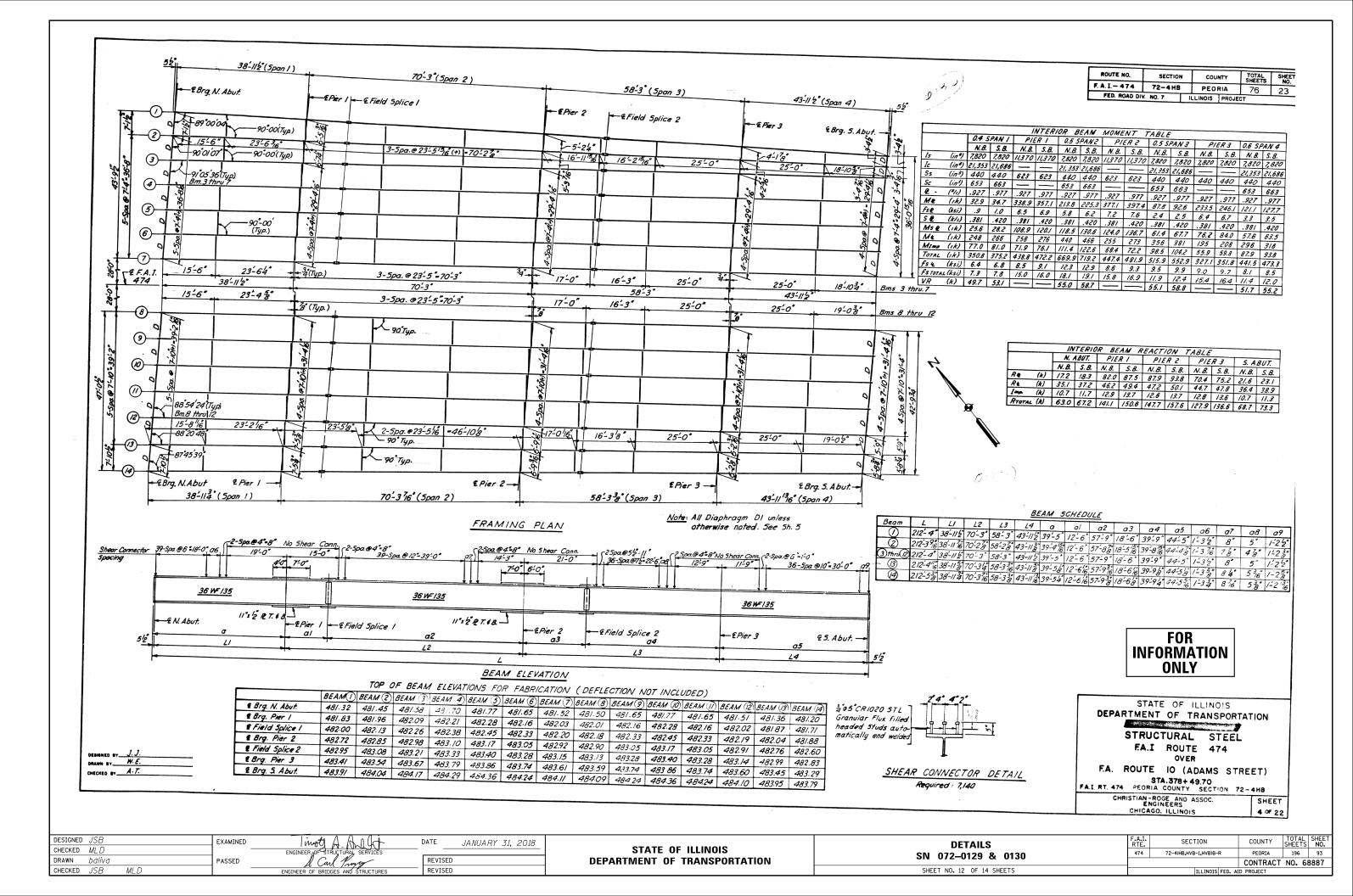
ELEVATION PIER 1
(Looking North)

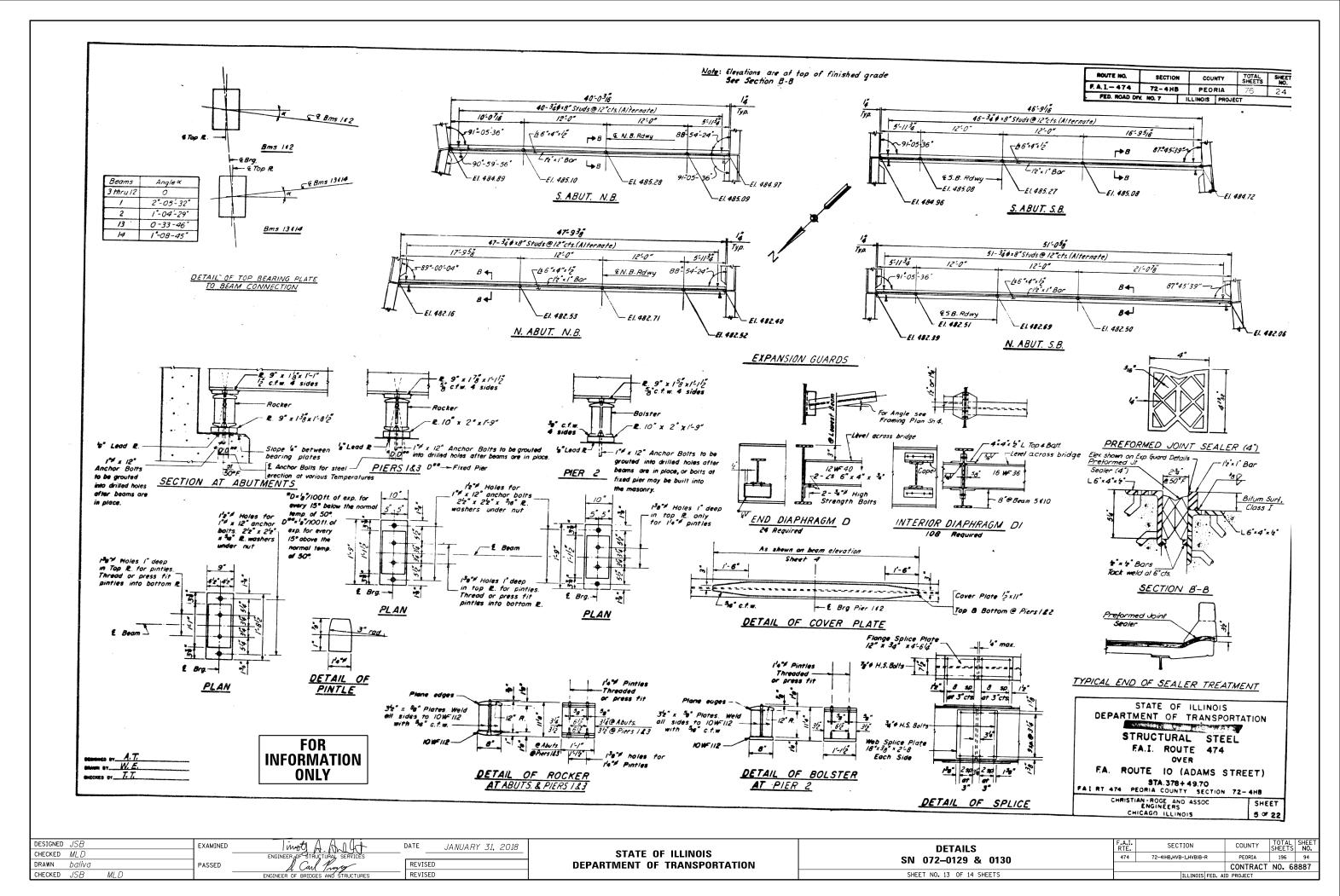
ELEVATION PIER 2
(Looking South)

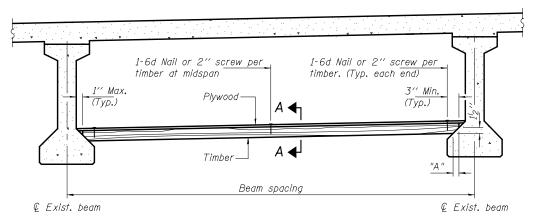
Crosshatched areas indicate Structural Repair of Concrete (Depth≤5′′)

DESIGNED JSB	EXAMINED	Timoty A. Allt	DATE JANUARY 31, 2018	OTATE OF HUMOIO	SUBSTRUCTURE REPAIR DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHI SHEETS N	ĒΤ).
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CHECKED JSB MLD		ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 10 OF 14 SHEETS		ILLINOIS FED. A	AID PROJECT	1101 0000	

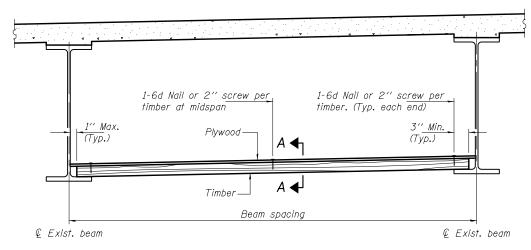




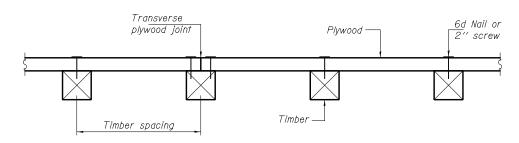




PPC I-BEAMS AND BULB-T's



STEEL BEAMS



<u>SECTION A-A</u>

TIMBER SPACING

	Timber Sizes (in.)							
Beam Spacing (ft.)	4" x 4" with min. Fb=775 psi Fv=135 psi	4" x 6" with min. Fb=775 psi Fv=135 psi	Fv=125 psi					
		m Timber Spac						
4. 5	16	16	<i>1</i> 6					
4. 75	16	16	16					
5.0	16	16	16					
5 . 25	16	16	16					
5.5	16	16	<i>1</i> 6					
5.75	16	16	<i>1</i> 6					
6.0	16	16	<i>1</i> 6					
6.25	12	16	16					
6.5	12	16	<i>1</i> 6					
6.75	12	16	<i>1</i> 6					
7.0	8	16	<i>1</i> 6					
7.25	8	16	<i>1</i> 6					
7.5	8	16	16					
7.75	8	16	16					
8.0	8	12	16					
8.25	8	12	16					
8.5	6	12	12					
8. 75	6	12	12					
9.0	6	8	12					

PPC I-BEAMS AND BULB-T's

BEAM	"A "
36′′ I-Beam	1/2"
42'' I-Beam	1/2"
48′′ I-Beam	1/2"
54'' I-Beam	1 ⁵ 8′′
63'' Bulb-T	33 ₈ ′′
72'' Bulb-T	3 ³ 8′′

Notes:

See special provision for Permanent Protective Shield System.
Timber sizes shown are nominal sizes. Rough sawn timber of the dimensions shown will also be considered acceptable.

The minimum Fb and Fv values shown are the tabulated design values given in the National Design Specification for Wood Construction for No. 2 Spruce-Pine-Fir without adjustment factors applied. Better grades or other species with equal or higher allowable stresses will also be considered acceptable.

The timber spacings shown have been determined using allowable stresses with all adjustment factors necessary for the anticipated service conditions.

All timber shall be treated.

Plywood shall be $^58''$ rated Exterior type plywood by APA.

Plywood shall be placed such that the face grain is perpendicular to the timber supports. When less than a full sheet (4' width) of plywood is used, the width of the strip used shall not be less than 2'.

Transverse plywood joints shall be supported by timbers.

When 4" x 6" timbers are used, they shall be placed such that the wide face is horizontal and the narrow face is vertical.

Design load = 200 psf.

BILL OF MATERIAL

Protective Shield (Permanent) Sq. Yd. 1380		Item	Unit	Total
	Protective	Shield (Permanent)	Sq. Yd.	1380

DESIGNED JSB

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PASSED

EXAMINED

WOL A JULY 31, 2018

ENGINEER OF STRUCTURAL SERVICES

REVISED

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REVISED

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PPS-1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

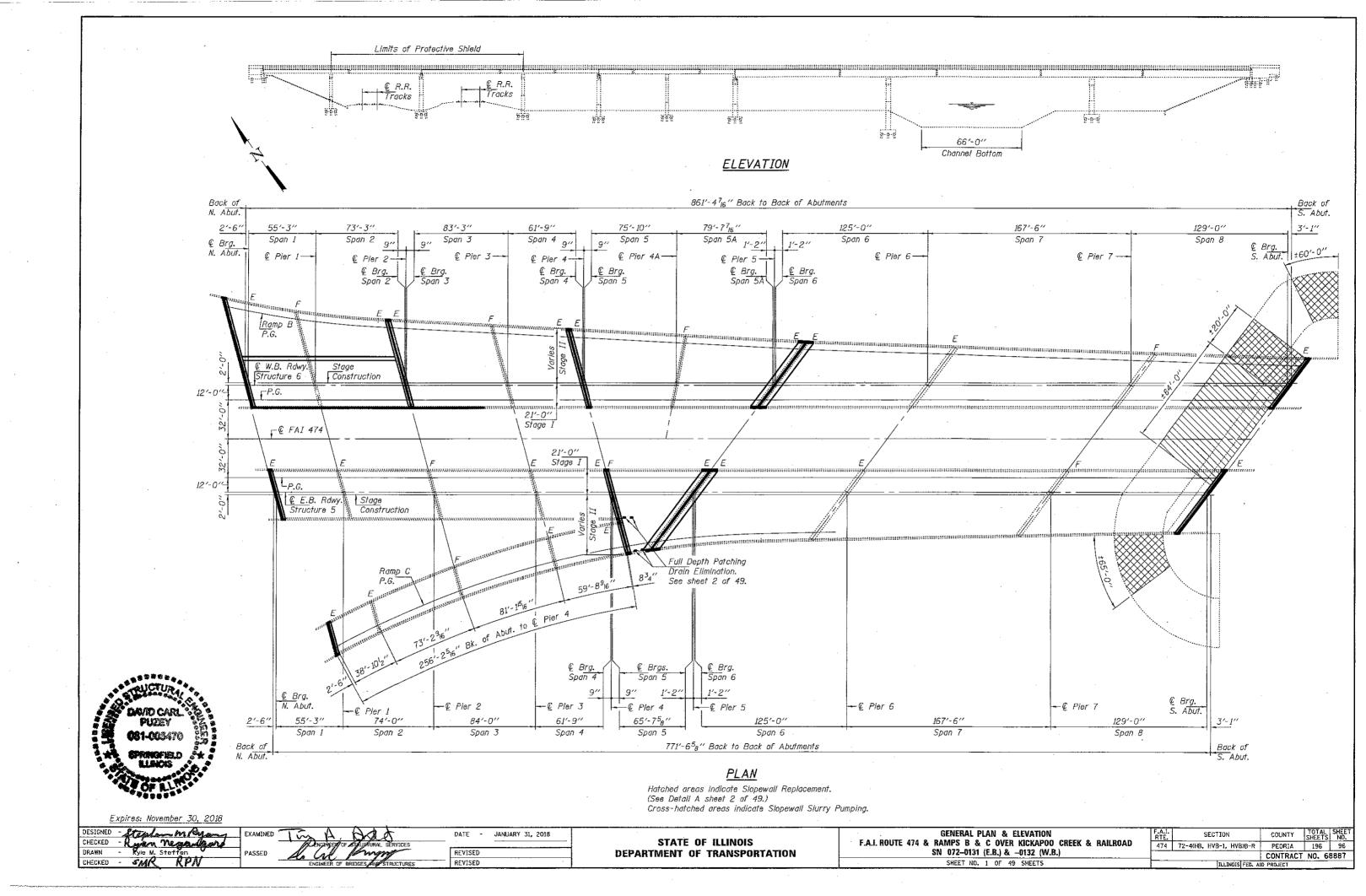
SUBSTRUCTURE REPAIR DETAILS
SN 072-0129

SHEET NO. 14 OF 14 SHEETS

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

 474
 72-4(HB,HVB-I,HVB)B-R
 PEORIA
 196
 95

 CONTRACT
 NO.
 68887

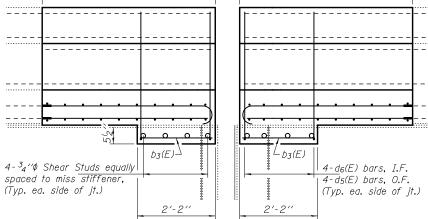


9'-0" ±4'-7" <u>abu</u>tment ±2'-0" __6′′ Typ.Poured against undisturbed embankment ±6'-0" cts. at Ramp "C" at midpoint conjuction ±12'-0" cts. on 071-0131 (E.B.) DETAIL A PLAN VIEW OF DECK SLAB REPAIR SECTION THRU

BARS d5(E) & d6(E) BAR z(E) Varies Varies (See sheets 8 & 12 of 49) (See sheets 8 & 12 of 49)

CONCRETE SLOPEWALL

1'-0''



Dims. at Rt. L to © Joint.

1'-9'' * South parapet on E.B. roadway only. 2-#4 d₂(E) or *d₄(E) ** Prior to $\frac{1}{4}$ " Diamond Grinding. bars at each rail post 15(E) <u>a5(E</u>), a8(E), "∑" 16(E) or a₉(E) (E) b3(E) ≥ 34" Drip | 34'' Shear Stud-Notch 3'-0"

SPAN 5, E.B. ROADWAY

Cross hatched areas indicate Deck

Slab Repair (Full Depth, Type I).

TYPICAL SECTION THRU PARAPET AT PIER 5

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.

Fasteners shall be high strength bolts. Bolts $\frac{3}{4}$ ' ϕ , open holes $\frac{13}{16}$ ' ϕ , unless otherwise noted. Reinforcement bars designated (E) shall be epoxy coated.

Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Furnishing and Erecting Structural Steel. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the GBSP "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Cleaning and painting of the existing structural steel shall be specified in the Special Provision for "Cleaning and Painting existing steel structures". Areas to be cleaned and painted shall consist of all beam ends and all other structural steel within 5 feet longitudinally at each abutment and 5 feet each way of each deck expansion joints and shall be measured 5 feet from the centerline of bearing. Also included shall be the fascia beam including the bottom of the bottom flange for the entire length of each structure.

All areas to be painted shall be cleaned per near white blast cleaning per SSPC - SP 10. The paint system used shall be paint system 1 - OZ / E / U. The finish coat shall be Warm Gray Munsell Number 2.5Y 5/1. Containment and disposal as specified shall follow the special provision for "Containment and Disposal of Lead Paint Blast Residue". The use of 2 air monitors shall be used for this project. The painting contractor shall be SSPC - QP 1 and QP 2 certified for this project and shall maintain certification throughout the duration of the project.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs, when the deck is poured at an ambient temperature other than 50° F.

Expansion joints shall be fabricated to conform to the existing cross slopes of the bridge. Synthetic fibers shall be added to the Bridge Deck Latex Concrete Overlay. See Special Provisions.

Surface preparation at the construction joints shall be performed using high-pressurized water spray, using equipment capable of producing a minimum water pressure of 5000 psi.

Cleaning and painting of beam ends shall be performed after the concrete removal at the joints has been completed and prior to the installation of any forms for the placement of the new concrete at those locations. The steel components for the Modular Expansion Joints shall be hot-dip galvanized. See Special Provision for "Hot Dip Galvanizing for Structural Steel".

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.

TOTAL BILL OF MATERIAL

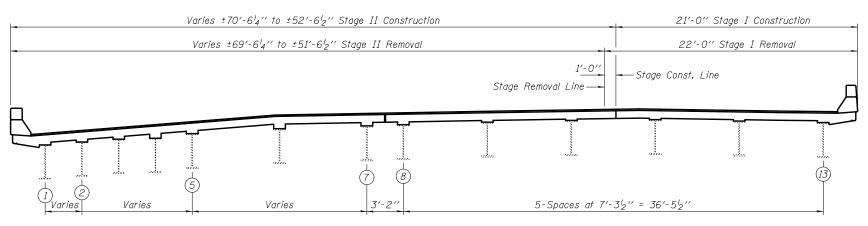
ITEM	UNIT	QUANTI7
Concrete Removal	Cu. Yd.	147.2
Concrete Superstructure	Cu. Yd.	144.9
Concrete Structures	Cu. Yd.	11.5
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	0.9
Preformed Joint Strip Seal	Foot	500
Modular Expansion Joint, 6"	Foot	<i>1</i> 55
Reinforcement Bars, Epoxy Coated	Pound	27,070
Bar Splicers	Each	168
Mechanical Splicers	Each	576
Protective Coat	Sq. Yd.	10,310
Diamond Grinding, 1/4''	Sq. Yd.	6944
HMA Surface Removal, 1 ^l ₂ ''	Sq. Yd.	9870
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	6944
Structural Repair of Concrete (Depth ≤ 5")	Sq. Ft.	1633
Bridge Deck Scarification, $\frac{3}{4}$ "	Sq. Yd.	9870
Bridge Deck Latex Concrete Overlay, 2½''	Sq. Yd.	9870
Furnishing and Erecting Structural Steel	Pound	<i>15,510</i>
Elastomeric Bearing Assembly, Type I	Each	86
Elastomeric Bearing Assembly, Type II	Each	20
Elastomeric Bearing Assembly, Type III	Each	<i>1</i> 5
Jack and Remove Existing Bearings	Each	84
Anchor Bolts 1''	Each	242
Slopewall Removal	Sq. Yd.	593
Slopewall, 4''	Sq. Yd.	397
Slopewall, 6''	Sq. Yd.	196
Slopewall Slurry Pumping	Cu. Yd.	120
Protective Shield (Permanent)	Sq. Yd.	2512
Temporary Shoring & Cribbing	Each	37
Containment & Disposal of Lead Paint Cleaning Residues, Location 5	L.S.	1
Containment & Disposal of Lead Paint Cleaning Residues, Location 6	L.S.	1
Cleaning & Painting Structural Steel, Location 5	L.S.	1
Cleaning & Painting Structural Steel, Location 6	L.S.	1

*** On new concrete and overlay only.

DESIGNED -	-	SMR	EXAMINED	I mot A. And at	DATE -	JANUARY 31, 2018
CHECKED -	-	RPN		ENGINEER OF STRUCTURAL SERVICES		
DRAWN -	-	Kyle M. Steffen	PASSED	de Carl Prayer	REVISED	
CHECKED -	-	SMR RPN		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

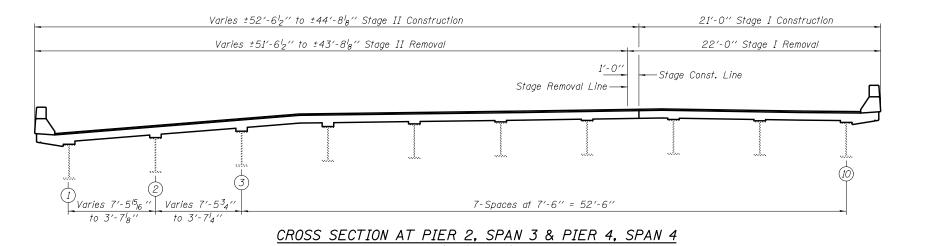
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES, SCOPE OF WORK, & BILL OF MATERIAL SN 072-0131 (E.B.) & -0132 (W.B.) SN 072-0131 (E.B.) & -0132 (W.B.) SN 072-0131 (E.B.) & -0132 (W.B.)					
GENERAL NOTES, SCOPE OF WORK, & BILL OF MATERIAL SN 072-0131 (E.B.) & -0132 (W.B.)		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		72-4(HB, HVB-1, HVB)B-R	PEORIA	196	97
			CONTRACT	NO. 6	8887
SHEET NO. 2 OF 49 SHEETS		ILLINOIS FED. A	D PROJECT		

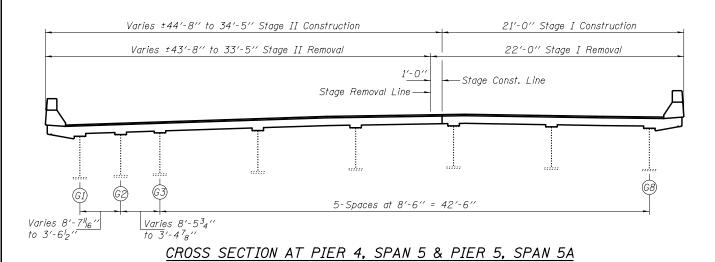


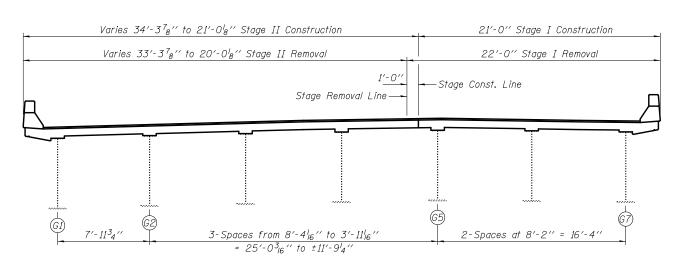
CROSS SECTION AT N. ABUT. & PIER 2, SPAN 2

(Looking South)



(Looking South)





CROSS SECTION AT PIER 5, SPAN 6 & S. ABUT.

DESIGNED - SMR	EXAMINED	I mote A A 1 (1)	DATE - JANUARY 31, 2018		TYPICAL CROSS SECTIONS	F.A.I.	SECTION	COUNTY	TOTAL SHEET
CHECKED - RPN		ENGINEER OF STRUCTURAL SERVICES		STATE OF ILLINOIS	SN 072-0132 (W.B.)	474	72-4(HB, HVB-1, HVB)B-R	PEORIA	196 98
DRAWN - Kyle M. Steffen	PASSED	S. Carl Prayer	REVISED	DEPARTMENT OF TRANSPORTATION	3N 0/2-0132 (VV.D.)			CONTRACT	NO. 68887
CHECKED - SMR RPN	-	ENGINEER OF BRIDGES AND STRUCTURES	— REVISED		SHEET NO. 3 OF 49 SHEETS		TILI TNOTS FED. AT	D PROJECT	

