

**INDEX OF SHEETS**  
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**HIGHWAY STANDARDS**  
SEE SHEET 2 FOR "HIGHWAY STANDARDS"

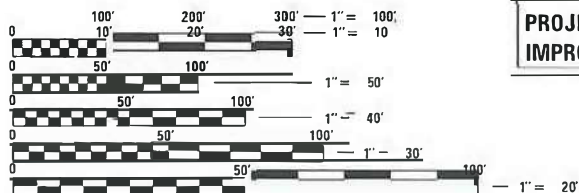
TOWNSHIP: WEST PEORIA / FON DU LAC  
SECTIONS: 16 / 30 & 32

**DESCRIPTION OF IMPROVEMENT**  
IMPROVEMENTS CONSIST OF STEEL TRUSS  
REPAIRS, EXPANSION JOINT REPLACEMENT,  
PARTIAL DEPTH DECK PATCHING, AND OTHER  
MISCELLANEOUS REPAIRS  
TO: STRUCTURE NO: 090-0030

PREPARED BY:

**COLLINS  
ENGINEERS<sup>INC</sup>**

550 W. JACKSON BLVD., SUITE 1200  
CHICAGO, IL 60661  
(312)704-9300  
ILLINOIS PROFESSIONAL DESIGN FIRM  
LICENSE NO. 184-000993



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT  
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.



PROJECT ENGINEER: REBECCA MARRUFO 309-671-3394

PROJECT MANAGER: ANNA DEVINE 309-671-3475

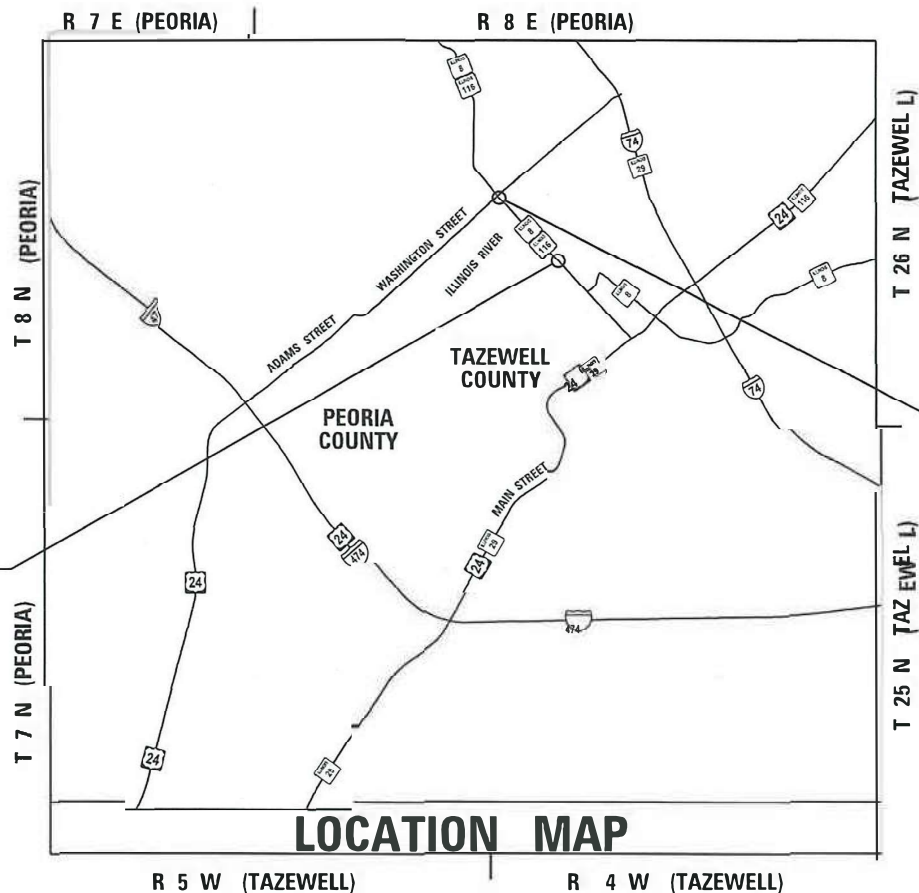
CONTRACT NO. 68G27

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

F.A.P. ROUTE 669 (IL 8 / IL 116)  
CEDAR STREET BRIDGE OVER ILLINOIS RIVER  
S.N. 090-0030  
SECTION (103-I-8)BR  
PROJECT BR-EVKY(103)  
BRIDGE REPAIRS  
TAZEWELL COUNTY

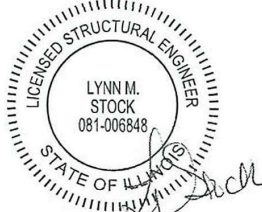
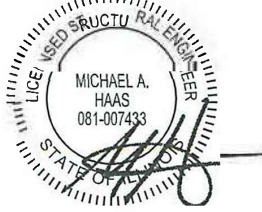
C-94-048-21



APPROXIMATE SCALE: 1" = 0.75 MILES

**PROJECT LENGTH**

IMPROVEMENT LENGTH = 5,506.42 FEET = 1.043 MILES  
PROJECT LENGTH = 8,833.12 FEET = 1.673 MILES



PROJECT BEGINS: STA 97+37.00  
IMPROVEMENT BEGINS: STA 0+12.08  
(WEST ABUTMENT S.N. 090-0030)  
STATION EQUATION:  
STA 111+27.12 BK = STA 0+00.00 AH

**DESIGN DESIGNATION**  
IL 8 / IL 116: 12,400(600)  
OTHER PRINCIPAL ARTERIAL

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 30 2025  
Kenel A. Barnett RSO  
REGIONAL ENGINEER

March 21 2025  
Scott A. Etkin  
ENGINEER OF DESIGN AND ENVIRONMENT

March 21 2025  
John J. Barry  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS**

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HIGHWAY STANDARDS

STANDARD NO.

000001- 08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
606001- 08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24' FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS GREATER THAN 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS GREATER THAN 45 MPH
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602- 10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901- 10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001 -01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001 -01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
782006 -01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

COMMITMENTS

NO COMMITMENTS FOR THIS PROJECT

DISTRICT 4 GENERAL NOTES

1.

MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES
2.

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.
3.

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.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (BORROW SITE REVIEW)
- 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 PI0101

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS SHALL 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.

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

4.

TEN FEET (10 FT.) (3 M) TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

PROJECT SPECIFIC NOTES

1.

CONTRACTOR SHALL OBTAIN ALL NECESSARY U.S. COAST GUARD CONSTRUCTION PERMITS IF WORKING FROM THE WATER. THE CONTRACTOR IS PROHIBITED FROM STORING A BARGE IN THE RIVER WITHOUT PRIOR APPROVAL FROM THE U.S. COAST GUARD.
2.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT PRIOR WRITTEN PERMISSION FROM THE DEPARTMENT.
3.

BEFORE BEGINNING ANY WORK THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
4.

FOR WORK OUTSIDE THE LIMITS OF THE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
5.

THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.
6.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
7.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
8.

LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS), AS SHOWN IN THE CONTRACT PLANS AND AS DIRECTED BY THE ENGINEER.
9.

FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
10.

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER.
11.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
12.

NO LAND ACQUISITION WAS REQUIRED FOR THIS CONTRACT. WORK SHALL BE CONTAINED TO STAY WITHIN STATE ROW LIMITS.

STATUS OF UTILITIES

STATUS OF UTILITIES				
Type	Utility	Contact	Facilities	Status
Electric	Ameren Illinois	Jon Reick 8420 North University St. Peoria, IL 61615 309-693-4697	Not on structure	No conflict
		Zach Wilson 7064 W. US Rt. 150 Edwardsville, IL 61528 541 / 281-8888		
Gas	Ameren Illinois	William Conover 8515 N. Industrial Dr. Peoria, IL 61615 309-686-3317	Not on structure	No conflict
Communications	ATT Distribution	Vanessa Ross 555 E. Cook St. Springfield, IL 62703 217-381-4284	Not on structure	No conflict
Fiber	ATT Transmission	Cord Crisler 2232 E. Washington St. East Peoria, IL 61611 309-397-1034	Not on structure	No conflict
Sewer & water	City of East Peoria	Paul Nash 3517 N. Dries Ln. Peoria, IL 61604 309-643-3385	Not on structure	No conflict
Communications	Comcast	Travis Griffin 2322 S. Darst St. Peoria, IL 61607 309-678-9035	Not on structure	No conflict
Sanitary	Greater Peoria Sanitary	Brandon Hennicks High Point Ln. East Peoria, IL 61611 309-670-0641	Not on structure	No conflict
Fiber	I3 Broadband	Charles Barton 7500 N. Harker Dr. Peoria, IL 61615 258-9151	Not on structure	No conflict
Water	Illinois American Water	Mark Mills 102 E. Shafer St. Forsyth, IL 62535 217-876-7194	Not on structure	No conflict
Fiber	Windstream		Not on structure	No conflict

MODEL - Default  
FILE NAME: T:\JL\113949\DOT\_Cedar & Havana Phase 1 and 11\Work\CAD\DWG\090-0030\_Cedar\_Street\_Bridge\Phase 11\Sheets\0900030\_68G27-IndexandHighwayStd.dgn



USER NAME = jandrews	DESIGNED - JA	REVISED -
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PLOT DATE = 1/30/2025	DATE - 01/13/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, IDOT HIGHWAY STANDARDS & GENERAL NOTES  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZEWELL	115	2
		CONTRACT NO. 68G27		
		ILLINOIS	FED. AID PROJECT	



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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				80% FED / 20% STATE BRIDGE					
				0013					
				S.N. 090-0030					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	3,682	3,682					
50102400	CONCRETE REMOVAL	CU YD	15	15					
50157300	PROTECTIVE SHIELD	SQ YD	298	298					
50300255	CONCRETE SUPERSTRUCTURE	CU YD	15	15					
50300260	BRIDGE DECK GROOVING	SQ YD	27	27					
50300300	PROTECTIVE COAT	SQ YD	386	386					
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2,369	2,369					
50800530	MECHANICAL SPLICERS	EACH	40	40					
52000216	FINGER PLATE EXPANSION JOINT, 5"	FOOT	50	50					
52000600	FABRIC REINFORCED ELASTOMERIC TROUGH	FOOT	53	53					
59000200	EPOXY CRACK INJECTION	FOOT	350	350					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18					
67100100	MOBILIZATION	L SUM	1	1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	40	40					



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PLOT DATE = 1/30/2025	DATE - 01/13/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZEWELL	115	3
			CONTRACT NO. 68G27	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default  
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				80% FED / 20% STATE BRIDGE					
				0013					
				S.N. 090-0030					
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	860	860					
70107007	PAVEMENT MARKING BLACKOUT TAPE, 7"	FOOT	351	351					
70107009	PAVEMENT MARKING BLACKOUT TAPE, 9"	FOOT	220	220					
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	42	42					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	12,723	12,723					
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	47	47					
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	35,248	35,248					
70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	68	68					
70400100	TEMPORARY CONCRETE BARRIER	FOOT	3,874	3,874					
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	3,216	3,216					
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2					
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2					
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	23	23					
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	42,833	42,833					

\*= SPECIALTY ITEM



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZEWELL	115	4
			CONTRACT NO. 68G27	
		ILLINOIS	FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				80% FED / 20% STATE BRIDGE					
				0013					
				S.N. 090-0030					
*	78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	202	202				
*	78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	1675	1675				
*	78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	34	34				
*	78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	119	119				
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	15665	15665				
*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	2	2				
*	82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	16	16				
*	82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1	1				
*	82500390	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP (DUAL)	EACH	1	1				
*	83060514	LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 6 FT. DAVIT ARM	EACH	16	16				
*	X0325810	WIRELESS ETHERNET RADIO	EACH	4	4				
*	X0326812	CAT 5 ETHERNET CABLE	FOOT	414	414				
*	X1400127	CAT 6 ETHERNET CABLE	FOOT	807	807				
	X3000001	RRPM PROTECTION	EACH	4	4				

\*= SPECIALTY ITEM



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZEWELL	115	5
		CONTRACT NO. 68G27		
		ILLINOIS	FED. AID PROJECT	



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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				80% FED / 20% STATE BRIDGE					
				0013					
				S.N. 090-0030					
X5051204	STRUCTURAL STEEL REMOVAL	POUND	2,295	2,295					
X5051206	STRUCTURAL STEEL REPAIR	POUND	10,980	10,980					
X5230144	BRIDGE DRAINAGE SYSTEM REPAIR	EACH	5	5					
X5230152	CLEANING DRAINAGE SYSTEM	L SUM	1	1					
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	200	200					
X6060714	CONCRETE MEDIAN (SPECIAL)	SQ FT	3,735	3,735					
X6350120	DELINEATOR REMOVAL	EACH	10	10					
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1					
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1					
X7200203	DETOUR SIGNING	L SUM	1	1					
* XP000212	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	2	2					
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1					
Z0010615	CLEANING EXISTING INLETS	EACH	2	2					
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	145	145					

\*= SPECIALTY ITEM



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-L-8)BR	PEORIA/TAZEWELL	115	6
			CONTRACT NO. 68G27	
		ILLINOIS	FED. AID PROJECT	

**COLLINS**  
**ENGINEERS INC.**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<p align="center"><b>SUMMARY OF QUANTITIES</b></p> <p align="center"><b>S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER</b></p>					
SCALE:	SHEET	5	OF	5	SHEETS
	STA.				TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-4-8)BR	PFORIA/TAZWELL	115	7
		CONTRACT NO. 68G27		
ILLINOIS		FED. AID PROJECT		

TEMPORARY CONCRETE BARRIER SCHEDULE				
LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON REDIRECTIVE), TEST LEVEL 3
	70400100	70400200	70600250	70600350
CEDAR STREET	(FOOT)	(FOOT)	(EACH)	(EACH)
STATION   TO   STATION				
STAGE 1				
0+00	3+00	246.7		1.0
3+00	17+50	1450.3		
17+50	32+50	1500.5		
32+50	47+00	95.9		1.0
47+00	61+00			
STAGE 2				
0+00	3+00	18.2	264.9	1.0
3+00	17+50		1450.3	
17+50	32+50		1500.5	
32+50	47+00	559.5		1.0
47+00	61+00			
61+00	75+00			
TOTAL	3874.0	3216.0	2.0	2.0
ADJUSTED TOTAL	3874.0	3216.0	2	2

PAVEMENT MARKING SCHEDULE										
LOCATION			POLYUREA PAVEMENT MARKING TYPE I - LINE 4"			POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS
CEDAR STREET			(FOOT)			(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)
STATION	TO	STATION	WHITE	YELLOW	SKIP DASH				STOP BAR	
100+00		3+00	1847.8	1925.0	480.0	201.4	99.5		118.5	22.6
3+00		17+50	6501.9	6501.9	725.0					
17+50		32+50	3000.0	3000.0	750.0					
32+50		47+00	2900.5	2199.7	725		484.5			
47+00		61+00	2748.9	2800.1	700		669.5	33.2		
61+00		74+43	2668.7	2686.0	671.5		421.0			
TOTAL:			19667.85	19112.75	4051.54	201.35	1674.50	33.16	118.46	22.62
PAY TOTAL:			19668	19113	4052	202	1675	34	119	23

TEMPORARY PAVEMENT MARKING REMOVAL SCHEDULE			
LOCATION		SHORT TERM PAVEMENT MARKING REMOVAL	PAVEMENT MARKING REMOVAL - WATER BLASTING
		70300150	78300202
CEDAR STREET		(SQ FT)	(SQ FT)
STATION	TO	STATION	
STAGE 1			
0+00		3+00	986.8
3+00		17+50	1450.3
17+50		32+50	1500.3
32+50		47+00	893.7
47+00		61+00	516.9
STAGE 2			
0+00		3+00	606.4
3+00		17+50	1450.3
17+50		32+50	1500.3
32+50		47+00	1517.6
47+00		61+00	1157.6
61+00		75+00	1142.4
FOR PAVEMENT MARKINGS			
0+00		3+00	1844.3
3+00		17+50	4576.3
17+50		32+50	2250.0
32+50		47+00	2264.7
47+00		61+00	2439.9
61+00		75+00	2289.4
TOTAL		12722.7	15664.6
ADJUSTED TOTAL		12723	15665

MEDIAN INSTALLATION			
LOCATION	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	CONCRETE MEDIAN (SPECIAL)	DELINEATOR REMOVAL
	44000159	X6060714	X6350120
CEDAR STREET		(SQ YD)	(SQ FT)
STATION	TO	STATION	(EA)
44+33		54+56	10.0
TOTAL		3320.0	3735.0
ADJUSTED TOTAL		3320	3735

CLEANING OF THE DRAINAGE SYSTEM		
LOCATION	STORM SEWERS TO BE CLEANED 15"	CLEANING EXISTING INLETS
	X5537900	Z0010615
CEDAR STREET	(FOOT)	(EACH)
Cedar Street Bridge	200.0	2.0
TOTAL	200.0	2.0
ADJUSTED TOTAL	200	2

(\*) PEORIA / TAZEWELL

FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLOTDR\$



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162.000715  
30-000056

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D468A93 KEG-sht-Schedule.dgn	DRAWN -	REVISED -
PLOT SCALE = #SCALE#	CHECKED -	REVISED -
PLOT DATE = 10/05/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	8
CONTRACT NO. 68C27				
ILLINOIS FED. AID PROJECT				



MAINTENANCE OF TRAFFIC GENERAL NOTES

- 1
- THE CONTRACTOR MUST COORDINATE ALL LANE CLOSURES WITH THE ENGINEER.
- 2
- ALL TRAFFIC CONTROL DEVICES AND SIGNAGE REQUIRED ON CEDAR STREET IN ACCORDANCE WITH APPLICABLE IDOT HIGHWAY STANDARDS AND THIS CONTRACTS DRAWINGS.
- 3
- LANE CLOSURES, RAMP CLOSURES, SIGNING, PAVEMENT MARKINGS, AND BARRICADE PLACEMENT SHALL BE IN ACCORDANCE WITH THE LATEST HIGHWAY STANDARD DRAWINGS
- 4
- EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED.
- 5
- ALL DRUMS, VERTICAL PANELS, AND BARRICADES IMMEDIATELY ADJACENT TO THE EDGE OF TRAVELED WAY SHALL BE EQUIPPED WITH BIDIRECTIONAL STEADY BURN LIGHTS. CONES WILL NOT BE ALLOWED, UNLESS NOTED. DRUM SPACINGS SHALL BE 50' CENTER TO CENTER ALONG CEDAR ST AND 25' C-C AT ALL RAMP LOCATIONS. DRUM SHALL BE PLACED AT 100' C-C AT LOCATIONS OF FULL SHOULDER WIDTH.
- 6
- ANY EXISTING SIGNS DENOTED WITHIN THE PLAN SET THAT DO NOT APPLY TO THE REVISED TRAFFIC PATTERNS SHALL BE REMOVED OR COVERED. THAT COVERING OR REMOVAL OF GROUND MOUNTED/OVERHEAD SINGS SHALL BE NON-DESTRUCTIVE IN NATURE.
- 7
- TEMPORARY CONCRETE BARRIER SHALL BE RESTRAINED PER IDOT POLICY 4-21.
- 8
- THREE CHANGEABLE MESSAGE SIGNS SHALL BE USED IN ADVANCE OF ROAD WORK IN BOTH DIRECTIONS ALONG CEDAR STREET FOR FOURTEEN DAYS PRIOR TO STAGE 1 AND STAGE 2. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE PLACEMENT AND MESSAGES FOR ALL CHANGEABLE MESSAGE SIGNS WITH THE ENGINEER.
- 9
- ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV OF THE LINE WIDTH SPECIFIED. THE CONTRACTOR MAY REQUEST PERMISSION TO USE EPOXY PAVEMENT MARKING IN PLACE OF PAVEMENT MARKING TAPE, TYPE IV WHEN WEATHER CONDITIONS FALL OUTSIDE THE TEMPERATURE RESTRICTIONS STATED IN THE MANUFACTURERS SPECIFICATIONS FOR INSTALLING THE TAPE.
- 10
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PROVIDING ACCESS POINTS TO THE WORK ZONE. ACCESS POINTS MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- 11
- "RELOCATE TEMPORARY CONCRETE BARRIER" WILL BE MEASURED FOR PAYMENT WHEN THE BARRIER IS RELOCATED AND USED AS A TRAFFIC CONTROL DEVICE. THERE MAY BE SOME INSTANCES WHEN THE EXISTING TEMPORARY CONCRETE BARRIER REQUIRES RELOCATION DUE TO THE CONTRACTORS ACTIVITIES BUT THE BARRIER WILL NOT BE USED FOR MAINTENANCE OF TRAFFIC DURING THAT STAGE.
- 12
- FOR THE EXISTING SIGNING REMOVAL, SEE SIGNING AND PAVEMENT MARKING PLAN SHEETS.
- 13
- DRAINAGE STRUCTURES TO BE CLEANED AND INSPECTED. ANY RECONSTRUCTION NEEDED SHALL BE APPROVED BY THE RESIDENT ENGINEER AND PAID BY STANDARD SPEC 109.04.

MAINTENANCE OF TRAFFIC DISTRICT NOTES

- 1
- INSTALLATION OF REFLECTORS SHALL BE IN ACCORDANCE WITH THE TRAFFIC CONTROL STANDARDS, PLAN DETAILS, AND SPECIFICATIONS, EXCEPT THAT THE REFLECTOR SHALL BE FASTENED TO THE CONCRETE USING A MECHANICAL FASTENER SUCH AS A SCREW SUITABLE FOR USE IN CONCRETE.
- 2
- REFLECTORS MOUNTED ON TEMPORARY CONCRETE BARRIER WILL NOT BE MEASURED FOR PAYMENT AND SHALL BE INCLUDED IN THE COST OF PAY ITEMS ASSOCIATED WITH TEMPORARY CONCRETE BARRIER.

IDOT TRAFFIC CONTROL AND PROTECTION HIGHWAY STANDARDS

701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS GREATER THAN 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS GREATER THAN 45 MPH
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRANSVERABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER

MAINTENANCE OF TRAFFIC GENERAL NOTES

WORK DURING A PRE-STAGE WILL INCLUDE ALL WORK THAT IS REQUIRED TO PLACE TRAFFIC IN STAGE 1 INCLUDING BUT NOT LIMITED TO SIGNING, PAVEMENT MARKING, AND INLET AND PIPE PROTECTION

STAGE 1

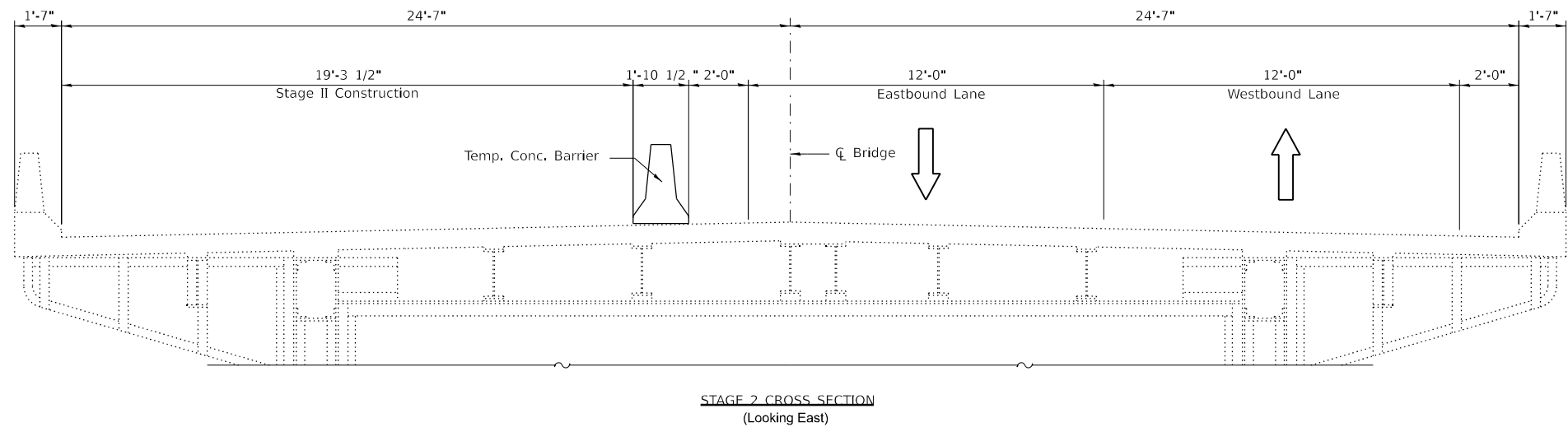
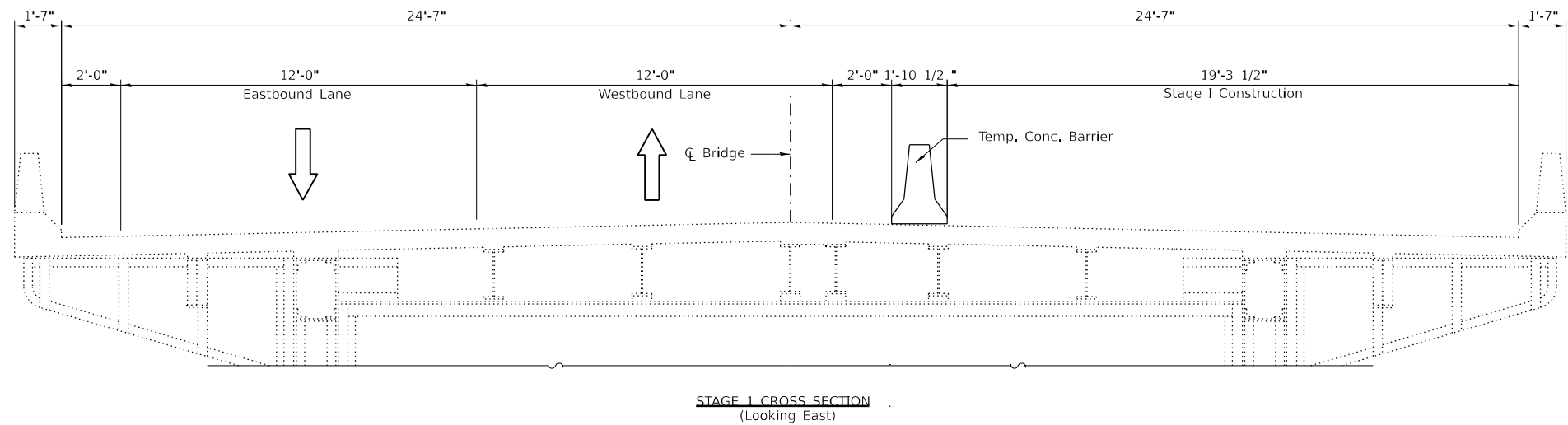
OPEN TO TRAFFIC:

STAGE 2

OPEN TO TRAFFIC:

STAGE 3

CLOSED TO TRAFFIC. TRAFFIC WILL BE DETOURED.



NOTE: STAGE 3 CONSTRUCTION WILL BE DONE UNDER DETOURED TRAFFIC.

BENCHMARK #1

CAP BOLT BETWEEN THE E&L IN MUELLER ON THE FIRE HYDRANT AT THE NORTHEAST QUADRANT OF WASHINGTON AND MACARTHUR STA 110+47.04, 31.83' LT ELEVATION = 486.226

BENCHMARK #2

NORTH CAP BOLT MARKED WITH AN "X" ON A FIRE HYDRANT ON THE WEST SIDE OF CEDAR STREET BRIDGE, BETWEEN PIER #5 & #6 STA 3+01.61, 35.51' RT ELEVATION = 470.220

BENCHMARK #3

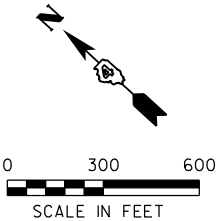
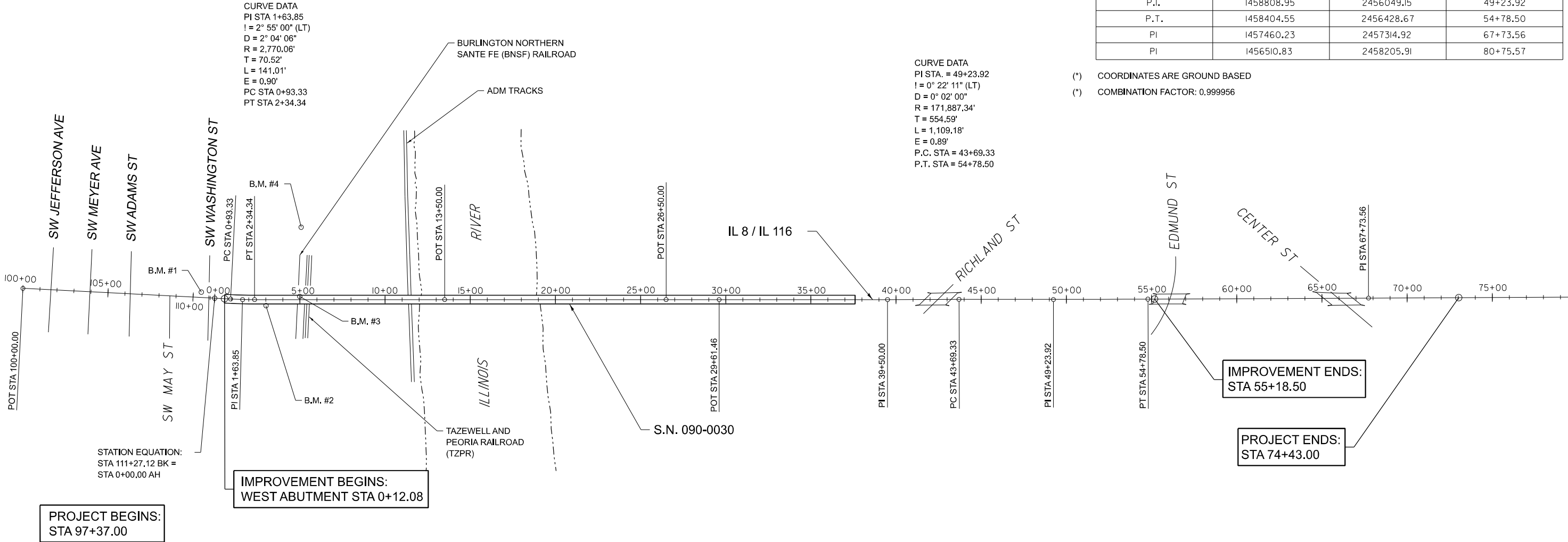
TOP OF THE NORTHEAST BOLT OF OF THE STEEL PIER BEARING ON THE EAST PAD OF PIER #8 STA 4+99.31, 18.29' LT ELEVATION = 466.705

BENCHMARK #4

TOP OF A RR SPIKE HEAD IN THE SOUTH FACE OF A POWER POLE NORTHEAST OF PIER #8 STA 5+07.63, 425.07' LT ELEVATION = 467.381

ALIGNMENT CONTROL			
DESCRIPTION	NORTHING (*)	EASTING (*)	STA
CONTROL PT I2	I456620.63	2458869.40	-
CONTROL PT I4	I462I88.55	2452824.02	-
P.C.	I462348.56	2452762.05	0+93.33
P.I.	I462294.54	2452807.38	I+63.85
P.T.	I462242.90	2452855.40	2+34.34
PI	I463283.76	245I977.89	100+00.00
PI	I462420.05	2452702.05	0+00.00
PI	I46I425.87	24536I5.II	13+50.00
PI	I460473.85	2454500.35	26+50.00
PI	I460245.76	24547I2.44	29+6I.46
PI	I45952I.82	2455385.59	39+50.00
P.C.	I4592I5.78	2455672.25	43+69.33
P.I.	I458808.95	2456049.I5	49+23.92
P.T.	I458404.55	2456428.67	54+78.50
PI	I457460.23	24573I4.92	67+73.56
PI	I4565I0.83	2458205.9I	80+75.57

(\*) COORDINATES ARE GROUND BASED  
(\*) COMBINATION FACTOR: 0.999956



FILE NAME = \$FILELONG\$  
MODEL = \$MODEL\$  
PLOT DRIVER = \$PLTDVS\$



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

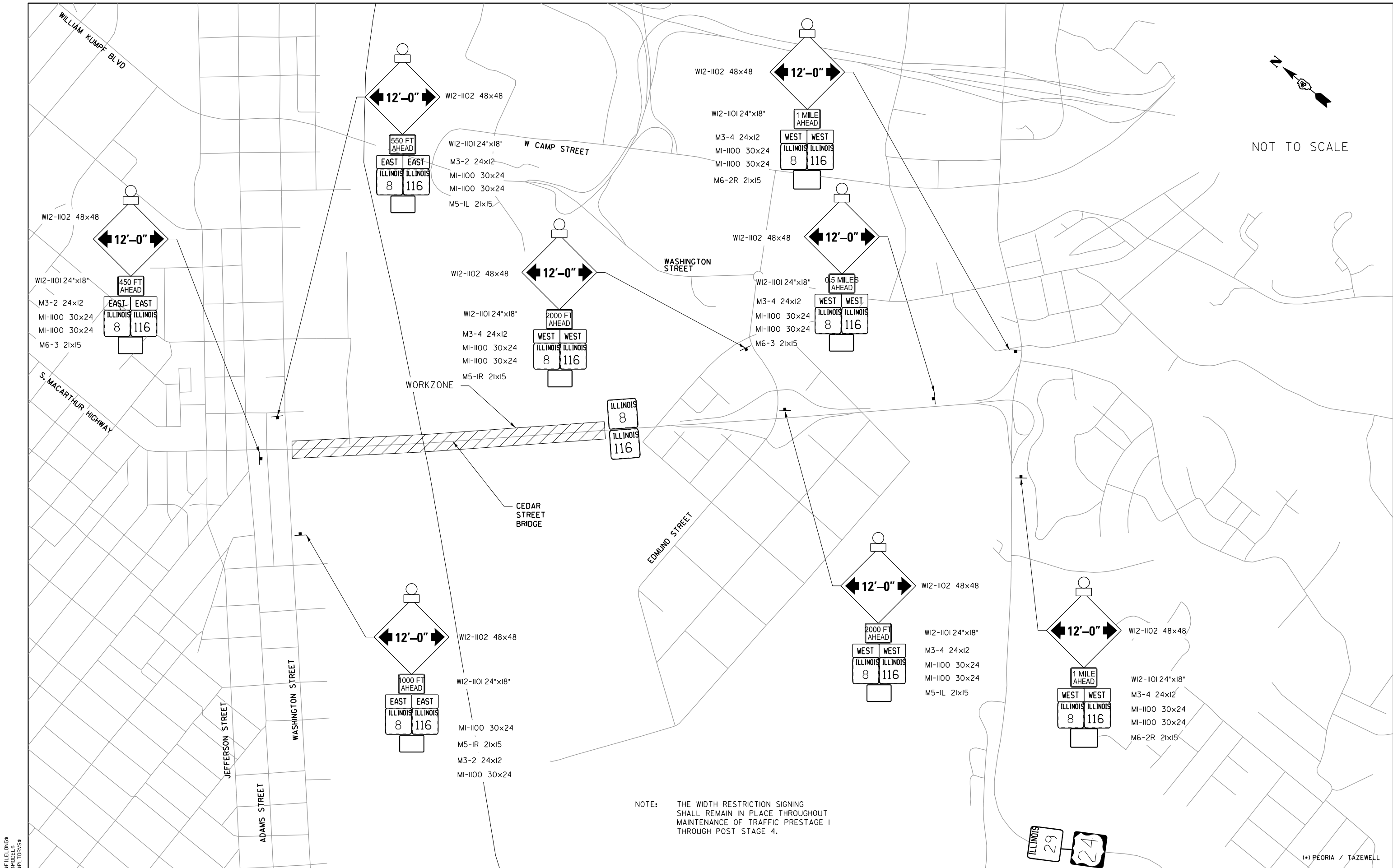
ALIGNMENT, TIES AND BENCHMARKS  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	11
CONTRACT NO. 68C27				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL





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PLOT DRIVER = #PLTDVRS\$



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164.060733  
26-000006

USER NAME = mkrnschner
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PLOT DATE = 10/05/2015

DESIGNED -
DRAWN -
CHECKED -
DATE -

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
WIDTH RESTRICTION SIGNING PLAN

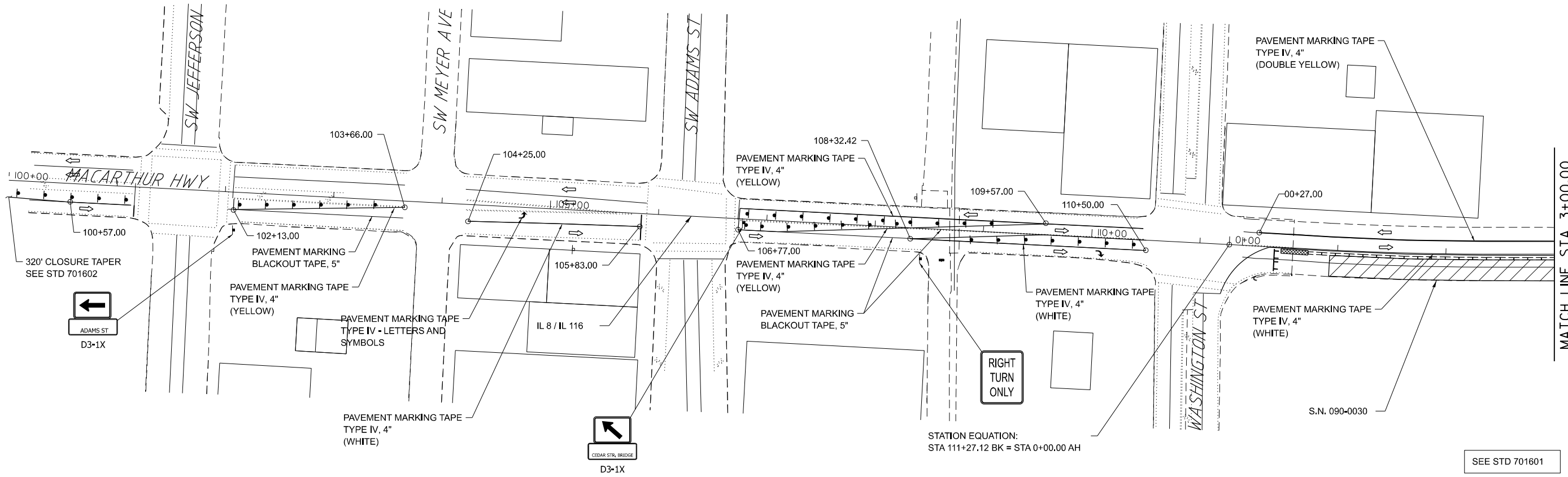
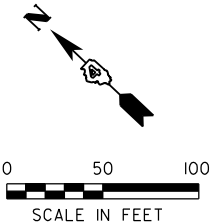
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	12
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEVELL

STAGING LEGEND

- WORK ZONE
- TRAFFIC FLOW
- SIGN
- TYPE II BARRICADE, DRUM W/ STEADY BURN  
MONODIRECTIONAL LIGHT
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATORS
- ARROW BOARD



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MODEL = #MODEL\$  
PLOT DRIVER = #PLTDV\$

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10/05/2015  
10/05/2015

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

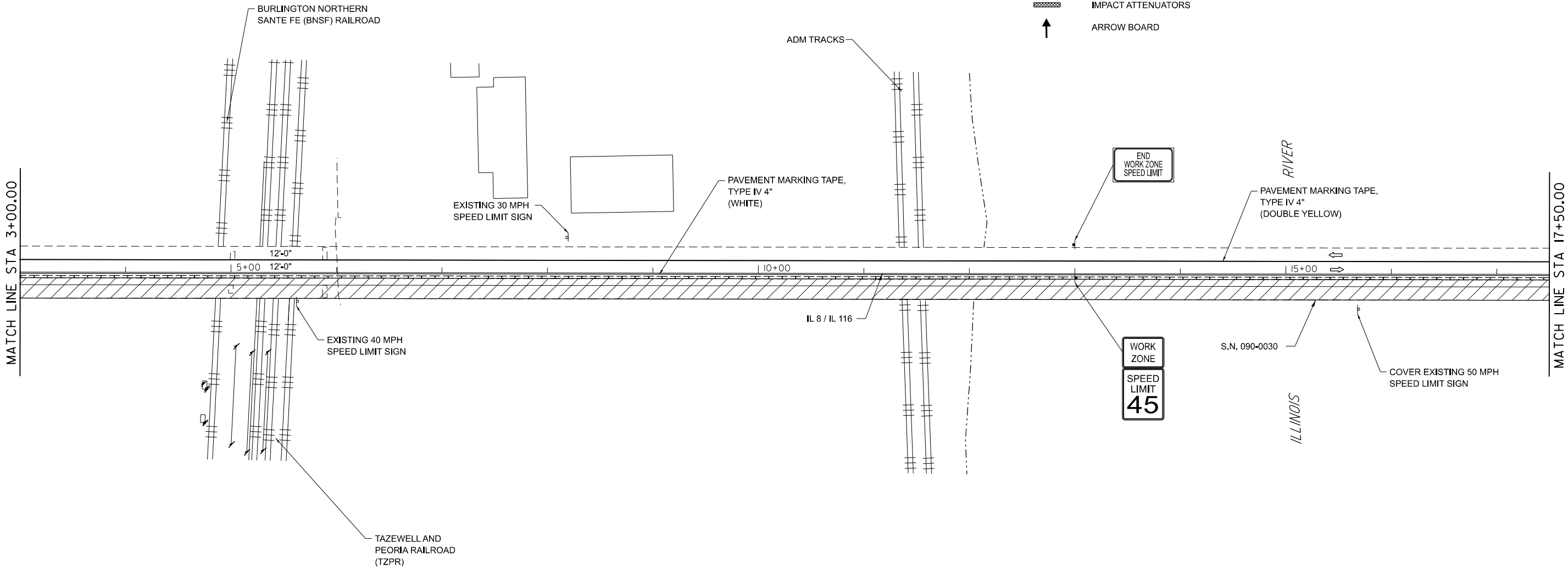
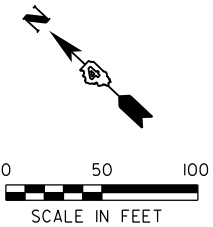
MAINTENANCE OF TRAFFIC – BRIDGE REPAIR STAGE 1		
SCALE: 1" = 50'	SHEET NO. 1 OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	13
CONTRACT NO. 68627				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL

STAGING LEGEND

- WORK ZONE
- TRAFFIC FLOW
- SIGN
- TYPE II BARRICADE, DRUM W/ STEADY BURN  
MONODIRECTIONAL LIGHT
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATORS
- ARROW BOARD



FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLOTDRVS\$

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – BRIDGE REPAIR		
STAGE 1		
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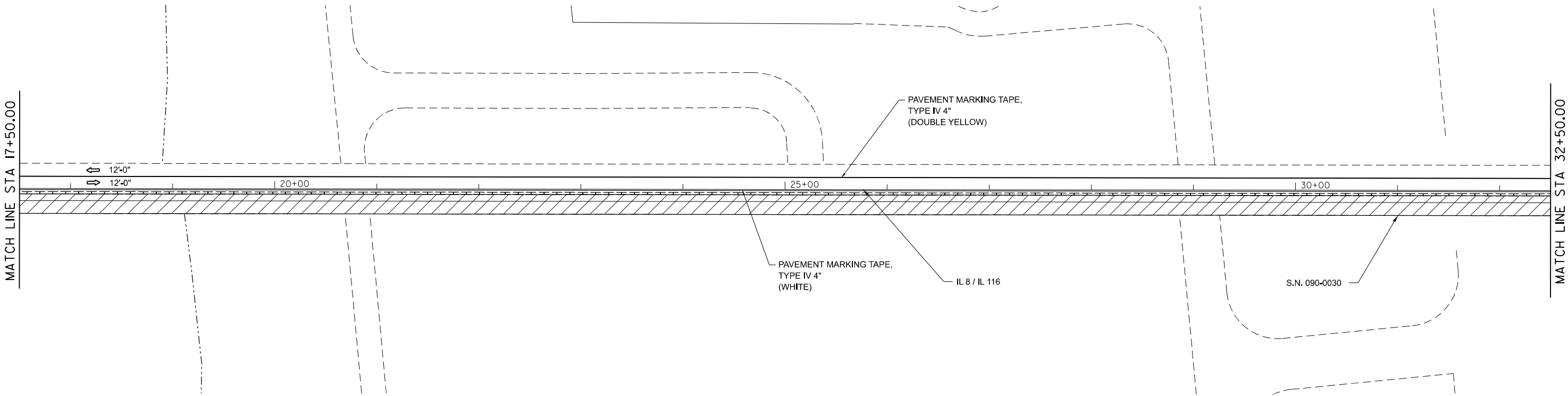
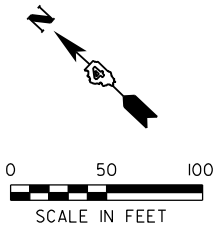
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669	(103-I-8)BR	(*)	115	14
CONTRACT NO. 68627				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL



STAGING LEGEND

- WORK ZONE
- TRAFFIC FLOW
- SIGN
- TYPE II BARRICADE, DRUM W/ STEADY BURN  
MONODIRECTIONAL LIGHT
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATORS
- ARROW BOARD



FILE NAME = \$FILELONG\$  
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PLOT DRIVER = \$PLTDVS\$

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – BRIDGE REPAIR  
STAGE 1

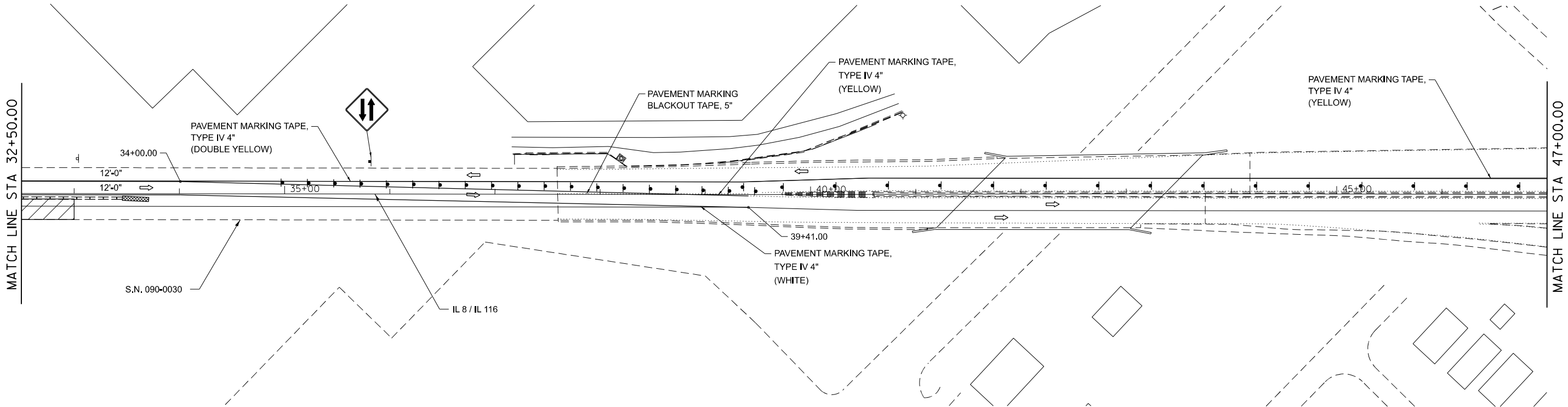
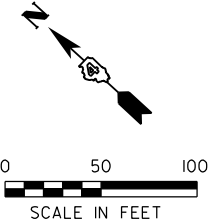
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	15
CONTRACT NO. 68627				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL

STAGING LEGEND

- WORK ZONE
- TRAFFIC FLOW
- SIGN
- TYPE II BARRICADE, DRUM W/ STEADY BURN  
MONODIRECTIONAL LIGHT
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATORS
- ARROW BOARD



FILE NAME = #FILELONG\$  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – BRIDGE REPAIR  
STAGE 1

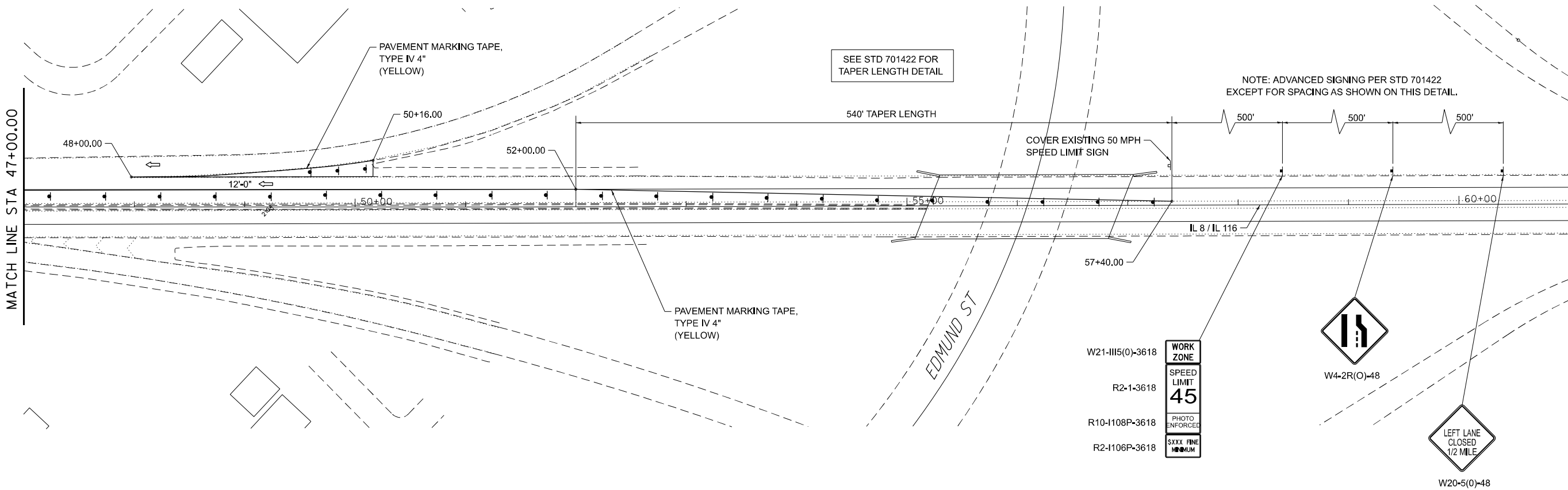
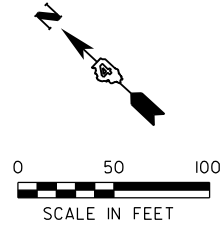
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	16
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL

STAGING LEGEND

- WORK ZONE
- TRAFFIC FLOW
- SIGN
- TYPE II BARRICADE, DRUM W/ STEADY BURN  
MONODIRECTIONAL LIGHT
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATORS
- ARROW BOARD



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MODEL = \$MODEL\$  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – BRIDGE REPAIR  
STAGE 1

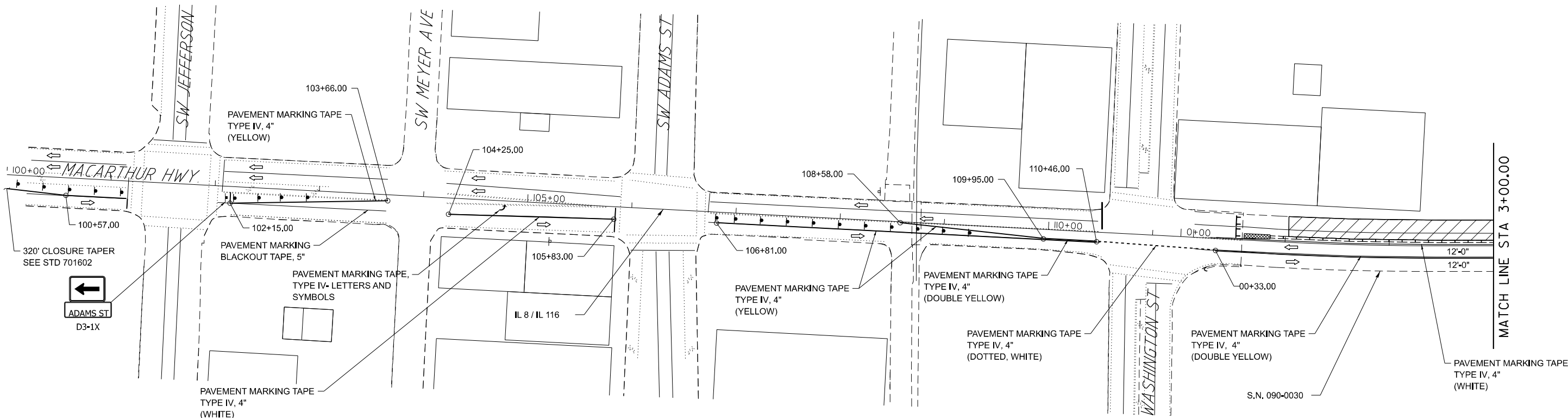
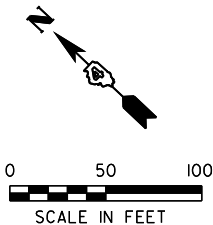
SCALE: 1" = 50'    SHEET NO. 5 OF 5 SHEETS    STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	17
CONTRACT NO. 68627				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL

STAGING LEGEND

- WORK ZONE
- TRAFFIC FLOW
- SIGN
- TYPE II BARRICADE, DRUM W/ STEADY BURN  
MONODIRECTIONAL LIGHT
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATORS
- ARROW BOARD



NOTE:

LEFT TURN SIGNAL(S) FROM WESTBOUND AND EASTBOUND  
IL 8 / IL 116 SHALL BE DISABLED IN ACCORDANCE  
WITH THE TRAFFIC SIGNAL COORDINATION SPECIAL  
PROVISION.

FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLOTDRVS\$

208 E. Main St., Suite 100  
Bellaire, TX 77401-4239  
409.233.2077 phone  
409.233.2077 fax  
www.kaskaskieng.com

REGISTERED PROFESSIONAL ENGINEERING  
ILLINOIS LICENSE NO. 042-000013  
04-2000006

USER NAME = mksrschner
D468A93-KEG-Staging-2.01.dgn
PLOT SCALE = 600.0000' / ft.
PLOT DATE = 10/05/2015

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – BRIDGE REPAIR  
STAGE 2

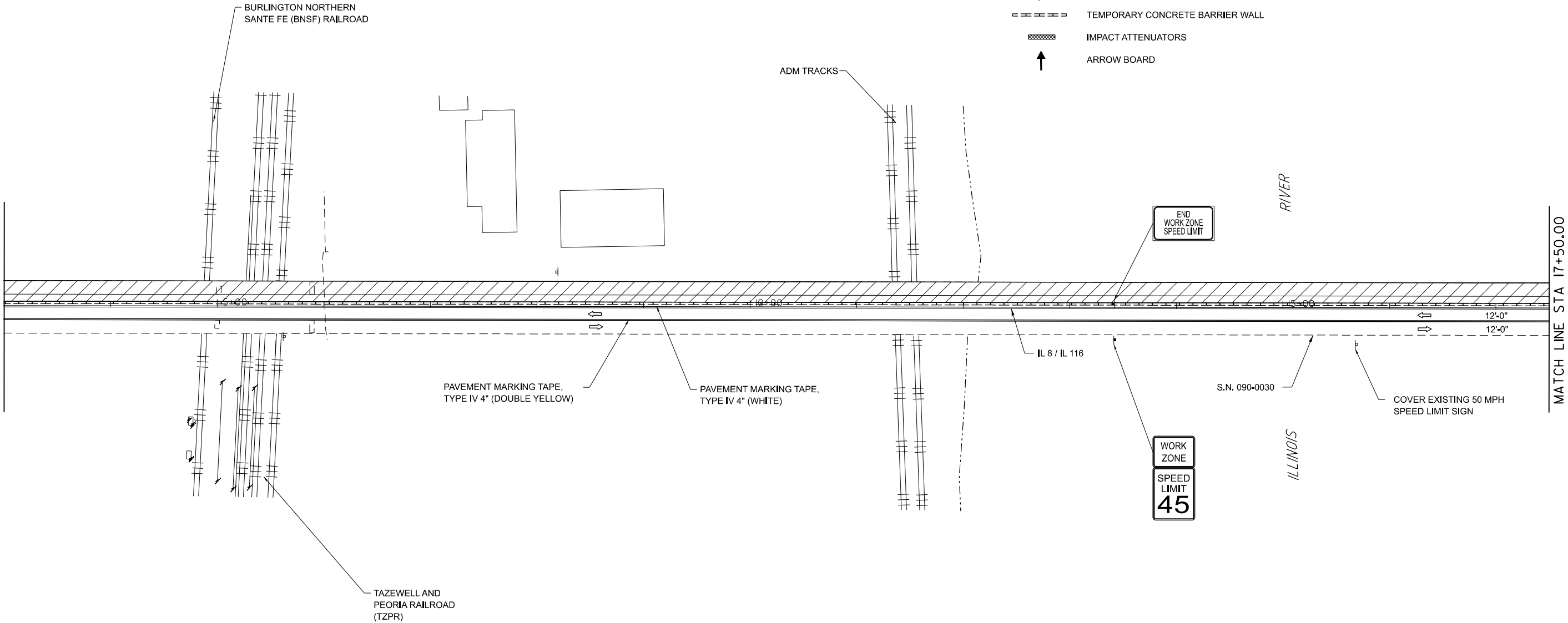
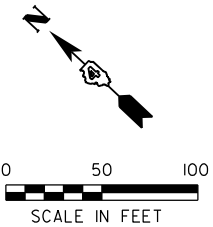
SCALE: 1" = 50'    SHEET NO. 1 OF 7 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	18
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL

STAGING LEGEND

- WORK ZONE
- TRAFFIC FLOW
- SIGN
- TYPE II BARRICADE, DRUM W/ STEADY BURN  
MONODIRECTIONAL LIGHT
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATORS
- ARROW BOARD



FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLOTDRVS\$

208 E. Main St., Suite 100  
Bellaire, TX 77401-4239  
409.233.2077 phone  
409.233.2077 fax  
www.kaskaskiaeng.com

Professional Engineering Firm  
Professional Engineering Group

162.000.000  
20-000000

USER NAME = mkirschner	DESIGNED -	REVISED -
D468A93-KEG-Staging-2.02.dgn	DRAWN -	REVISED -
PLOT SCALE = 600.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 10/05/2015	DATE -	REVISED -


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION


MAINTENANCE OF TRAFFIC – BRIDGE REPAIR STAGE 2		
SCALE: 1" = 50'	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	19
CONTRACT NO. 68627				
ILLINOIS FED. AID PROJECT				


(\*) PEORIA / TAZEWELL


STAGING LEGEND


- 


WORK ZONE
- 


TRAFFIC FLOW
- 

SIGN
- 

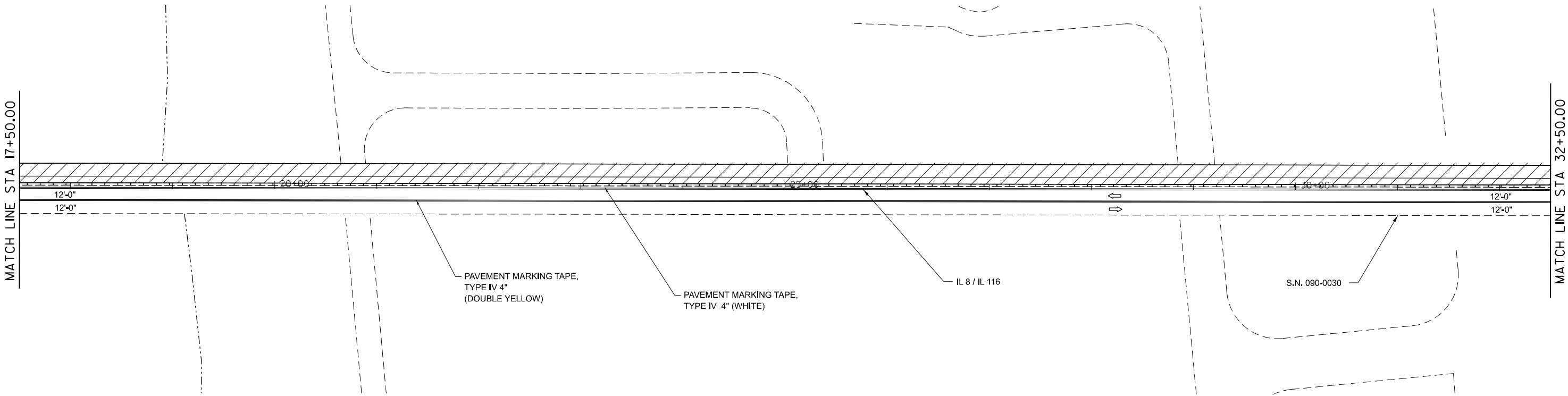
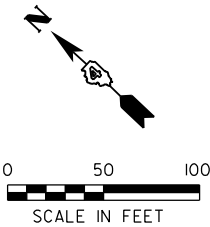
TYPE II BARRICADE, DRUM W/ STEADY BURN  
MONODIRECTIONAL LIGHT
- 

TYPE III BARRICADE
- 

TEMPORARY CONCRETE BARRIER WALL
- 

IMPACT ATTENUATORS
- 

ARROW BOARD



FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLOTDRVS\$



**Kaskaskia**  
Engineering Group, LLC  
Professional Engineering Group

208 E. Main St., Suite 100  
Bellaire, MO 64603  
618.233.2077 phone  
618.233.2077 fax  
www.kaskaskieng.com

10/05/2015  
10/05/2015  
20-000000

USER NAME = mkirschner	DESIGNED -	REVISED -
D468A93-KEG-Staging-2_03.dgn	DRAWN -	REVISED -
PLOT SCALE = 600.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 10/05/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – BRIDGE REPAIR  
STAGE 2

SCALE: 1" = 50'    SHEET NO. 3 OF 7 SHEETS    STA.    TO STA.

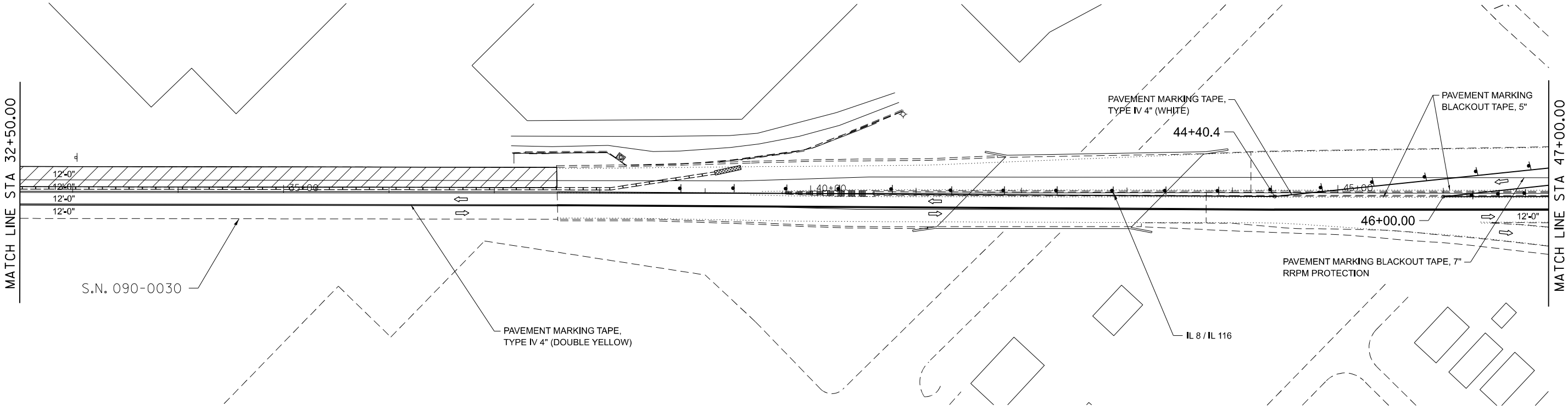
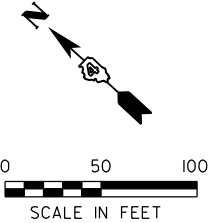
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	20
CONTRACT NO. 68627				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL



STAGING LEGEND

- WORK ZONE
- TRAFFIC FLOW
- SIGN
- TYPE II BARRICADE, DRUM W/ STEADY BURN  
MONODIRECTIONAL LIGHT
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATORS
- ARROW BOARD



FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLOTDRVS\$

**Kaskaskia**  
Engineering Group, LLC  
Professional Engineering Group

200 E. Main St., Suite 100  
Bellaire, MO 64603  
618.233.2077 phone  
618.233.2077 fax  
www.kaskaskiaeng.com

1620000000  
10/05/2015

USER NAME = mkirschner	DESIGNED -	REVISED -
D468A93-KEG-Staging-2_04.dgn	DRAWN -	REVISED -
PLOT SCALE = 600.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 10/05/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

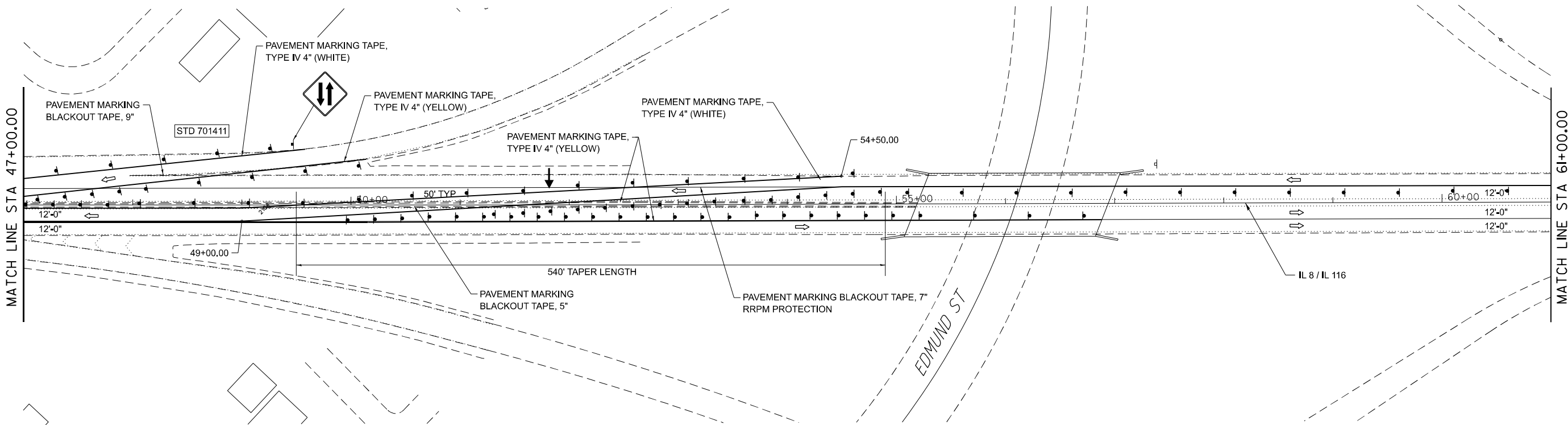
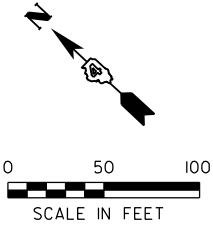
MAINTENANCE OF TRAFFIC – BRIDGE REPAIR STAGE 2		
SCALE: 1" = 50'	SHEET NO.4 OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	21
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL

STAGING LEGEND

- WORK ZONE
- TRAFFIC FLOW
- SIGN
- TYPE II BARRICADE, DRUM W/ STEADY BURN  
MONODIRECTIONAL LIGHT
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATORS
- ARROW BOARD



FILE NAME = \$FILELONG\$  
MODEL = \$MODEL\$  
PLOT DRIVER = \$PLTDVS\$

**Kaskaskia**  
Engineering Group, LLC  
Professional Engineering Group

208 E. Main St., Suite 100  
Bellaire, IL 60010-4239  
630.233.2077 phone  
630.233.2077 fax  
www.kaskaskieng.com

162 N. 2nd St.  
Bellaire, IL 60011  
26.586266

USER NAME = mkirschner	DESIGNED -
D468A93-KEG-Staging-2.dgn	DRAWN -
PLOT SCALE = 600.0000' / ft.	CHECKED -
PLOT DATE = 10/05/2015	DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – BRIDGE REPAIR  
STAGE 2

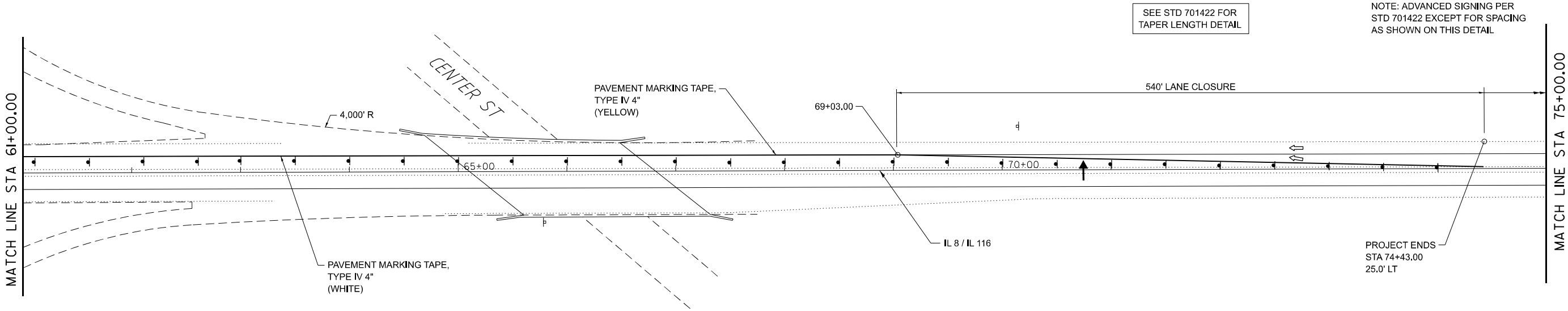
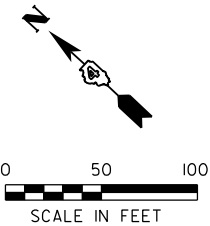
SCALE: 1" = 50'    SHEET NO. 5 OF 7 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	22
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL

STAGING LEGEND

- WORK ZONE
- TRAFFIC FLOW
- SIGN
- TYPE II BARRICADE, DRUM W/ STEADY BURN  
MONODIRECTIONAL LIGHT
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATORS
- ARROW BOARD



FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLOTDRVS\$



Kaskaskia

Engineering Group, LLC

Professional Engineering Firm

208 E. Main St., Suite 100  
Bella Vista, IL 61009  
618.233.2077 phone  
618.233.2077 fax  
www.kaskaskieng.com

REGISTERED PROFESSIONAL ENGINEER  
ILLINOIS  
04-000011  
20-000006

USER NAME = mkirschner	DESIGNED -	REVISED -
D468A93-KEG-Staging-2_06.dgn	DRAWN -	REVISED -
PLOT SCALE = 600.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 10/05/2015	DATE -	REVISED -









STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

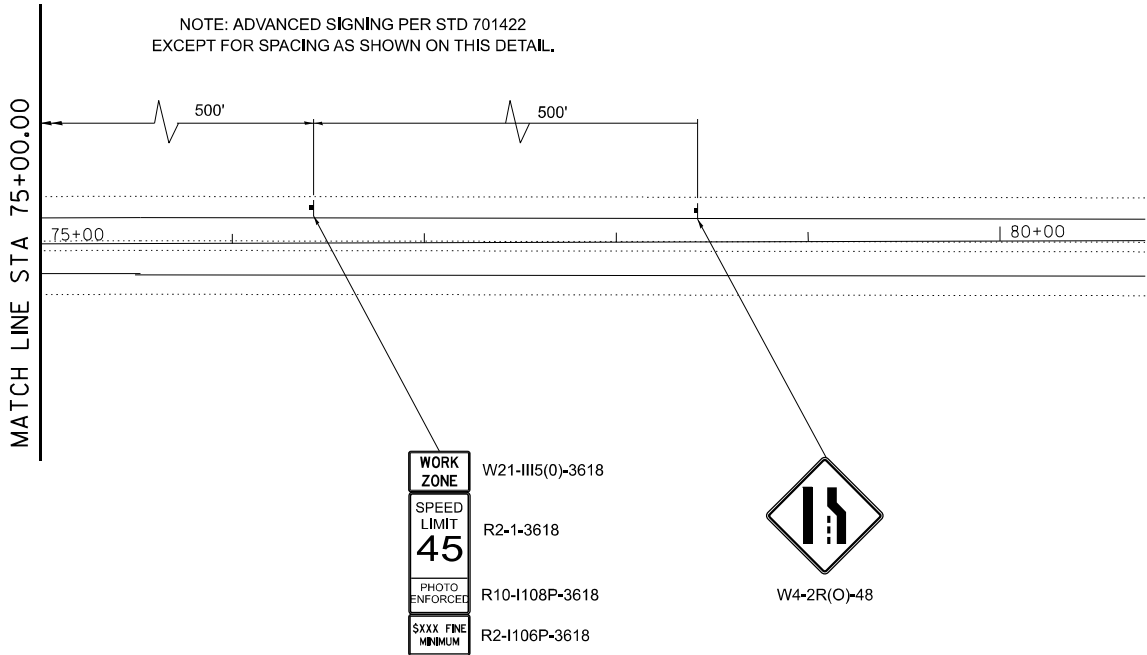
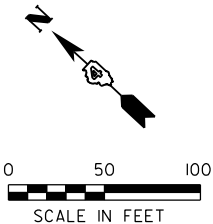
MAINTENANCE OF TRAFFIC – BRIDGE REPAIR STAGE 2		
SCALE: 1" = 50'	SHEET NO. 6 OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	23
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL

STAGING LEGEND

-  WORK ZONE
-  TRAFFIC FLOW
-  SIGN
-  TYPE II BARRICADE, DRUM W/ STEADY BURN  
MONODIRECTIONAL LIGHT
-  TYPE III BARRICADE
-  TEMPORARY CONCRETE BARRIER WALL
-  IMPACT ATTENUATORS
-  ARROW BOARD



FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLOTDR\$



**Kaskaskia**  
Engineering Group, LLC  
Professional Engineering Group

208 E. Main St., Suite 100  
Bellaire, MO 63008  
636.233.2077 phone  
636.233.2077 fax  
www.kaskaskiaeng.com

10/20/2015  
10/20/2015

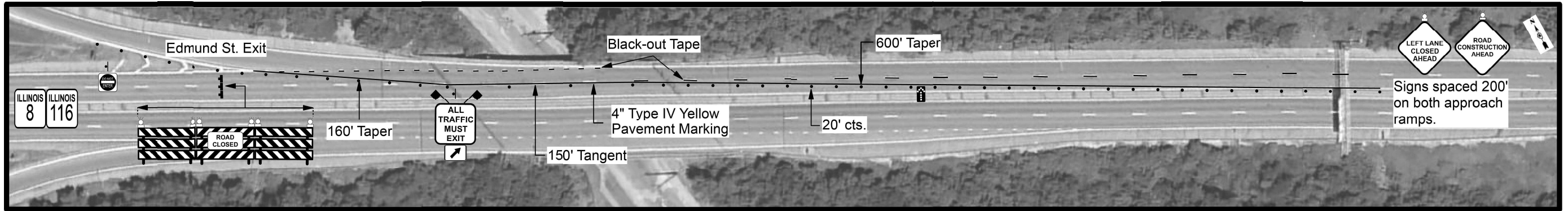
USER NAME = mkirschner	DESIGNED -	REVISED -
D468A93-KEG-Staging-2.07.dgn	DRAWN -	REVISED -
PLOT SCALE = 600.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 10/05/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – BRIDGE REPAIR STAGE 2			
SCALE: 1" = 50'	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	24
CONTRACT NO. 68627				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL



#### Sign Inventory (This Page Detail)

	= 8		= 1
W20-1103(C)-48			= 2
	= 2		= 2
W20-1103(O)-48			= 3
	= 2		= 2
W20-5(O)-40			= 2
	= 2		= 1
W20-2(O)-48			= 1
	= 1		= 1
W20-1106(O)-48			= 1
	= 3		= 1
R11-2			= 1
	= 1		
R5-1			
	= 1		
48X48 Black on White			
	= 1		
M6-1P 21X15			
	= 1		
M6-2P(R) 21X15			
	= 1		
M6-3P 21X15			
	= 4		
48X48 Black on White			
	= 1		
48X48 Black on White			

Signs referenced are per the MUTCD and IDOT sign specifications.

Signs shall be post-mounted unless not practical, in which case, signs may be placed on crash worthy temporary stands.

Sign and device lights shown are to be mono-directional flashing. Orange sign flags shall be as shown.

Typical sign spacing is 200'. Actual locations may need adjusted per field conditions.

Westbound IL 8-116 approach lane closure is referenced from Standard 701601 and as shown.

#### Required Contacts

The contractor shall notify the following fourteen (14) days in advance of the closure:

Peoria Police and Fire  
East Peoria Police and Fire  
Illinois State Police  
AMT-Advanced Medical Transport  
CityLink

Ben Tellefson (309)671-4477-IDOT Traffic Design and Planning Engineer- to coordinate signal timing.

21 day notice:  
Don Hoffman-(309)671-4488-IDOT Traffic Control Supervisor- to coordinate road closure.

(\*) PEORIA / TAZEWELL

FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLOTDRVS\$



USER NAME = mkrnschner  
D468A93-KEG-Staging-3.01.dgn  
PLOT SCALE = 600.0000' / ft.  
PLOT DATE = 10/05/2015

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

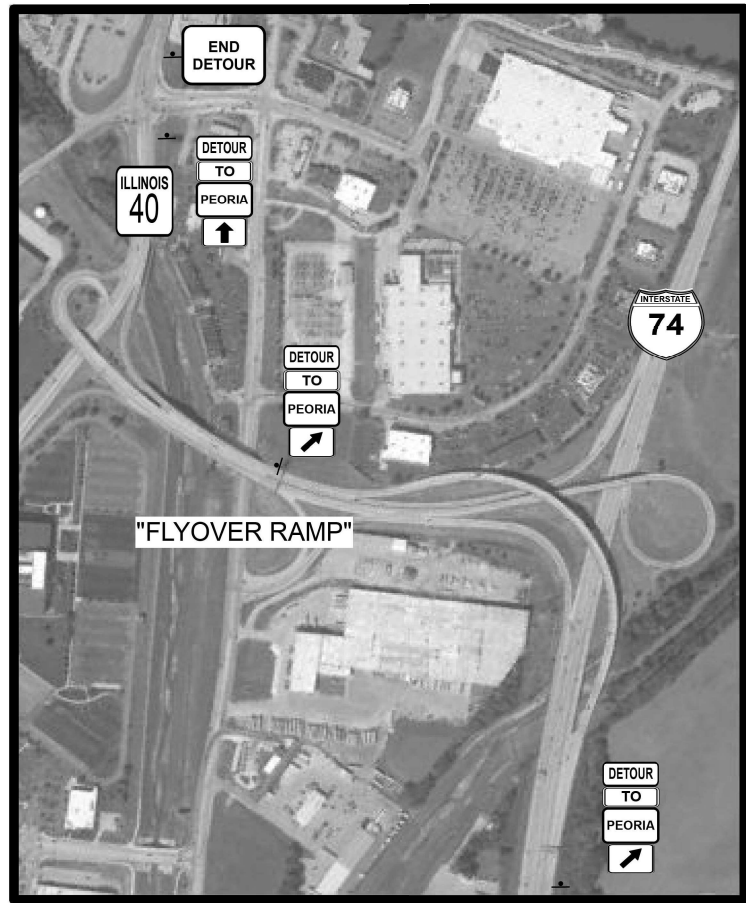
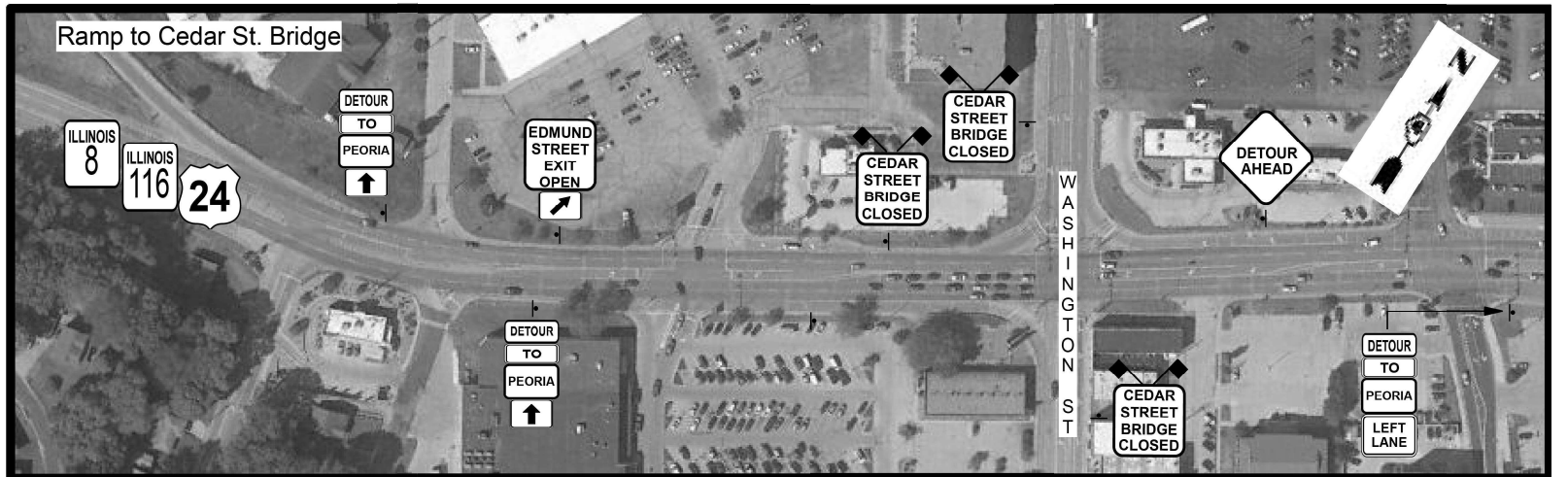
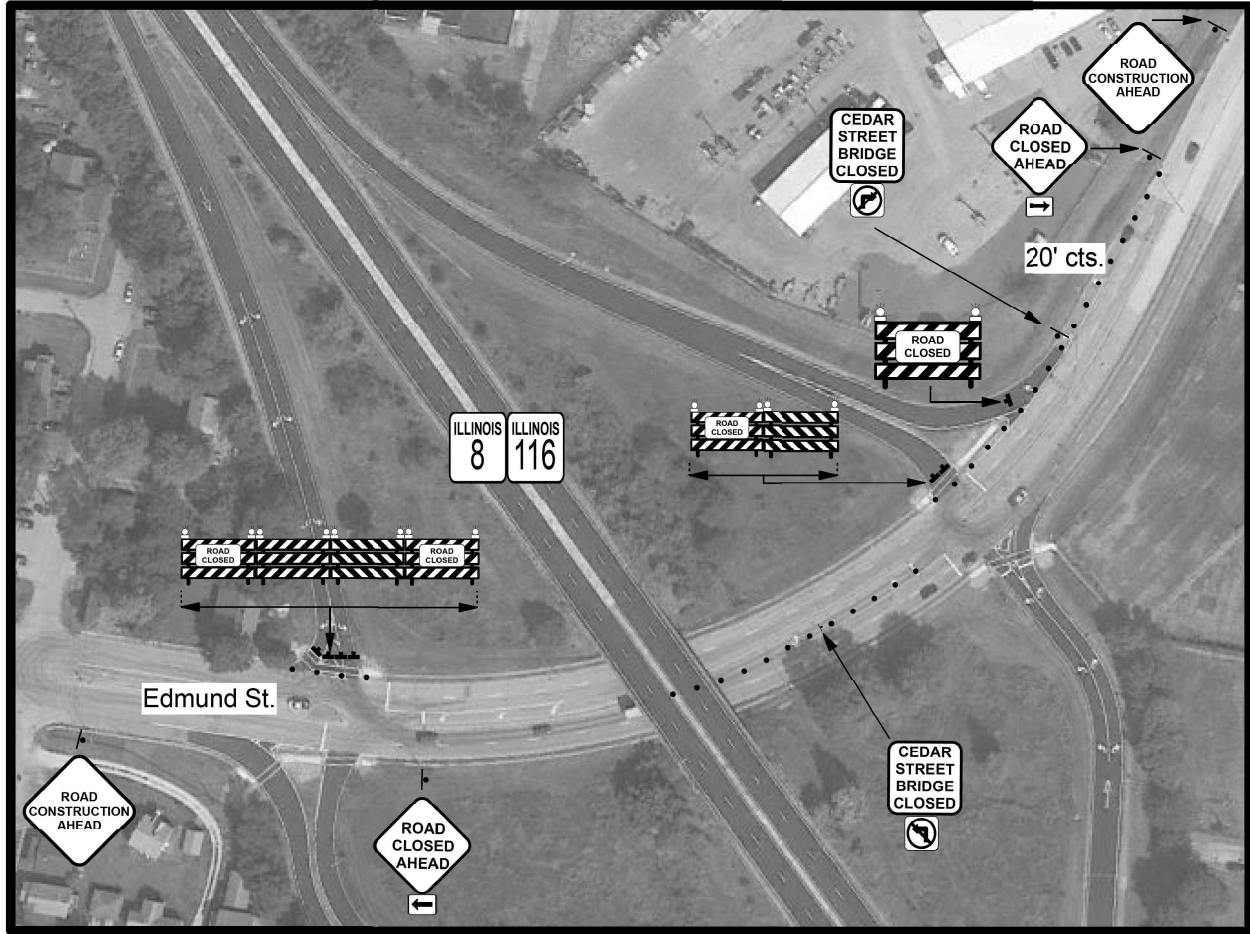
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - BRIDGE REPAIR  
STAGE 3







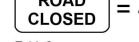




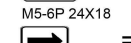
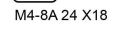




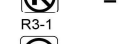
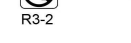
SCALE: 1" = 50' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	25
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				





Sign Inventory (This Page Detail)

	= 2		= 10
W20-1103(O)-48		M4-8P	
	= 2		= 10
W20-3(O)-48		M4-5P	
	= 2		= 10
W20-2(O)-48		24X24 BLACK ON WHITE	
	= 4		= 1
R11-2		M5-4P 24X18	
	= 7		= 1
48X48 BLACK ON WHITE		M5-6P 24X18	
	= 1		= 2
48X48 BLACK ON WHITE		M6-1P(R) 21X15	
	= 1		= 2
M4-8A 24 X18		M6-1P(L) 21X15	
			= 3
		M6-2P 21X15	
			= 3
		M6-3P 21X15	
			= 1
		M5-1P 21X15	
			= 1
		R3-1	
			= 1
		R3-2	

FILE NAME = #FILELONCS  
MODEL = #MODEL#  
PLOT DRIVER = #PLTDVRS#



USER NAME = mksrschner  
D468A93-KEG-Staging-3.02.dgn  
PLOT SCALE = 600.0000' / ft.  
PLOT DATE = 10/05/2015

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

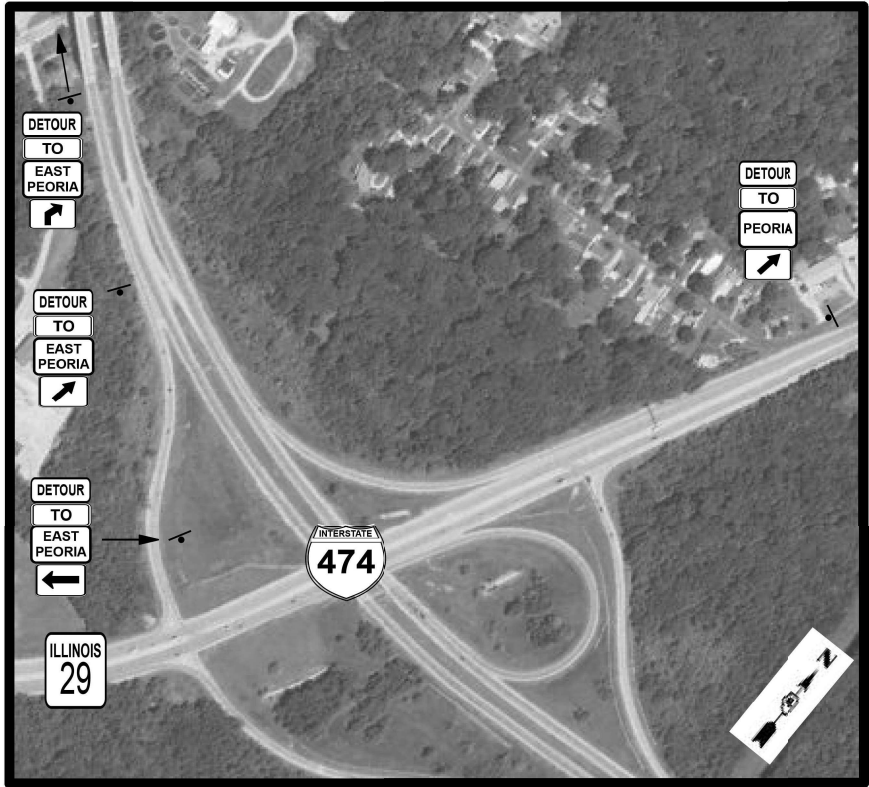
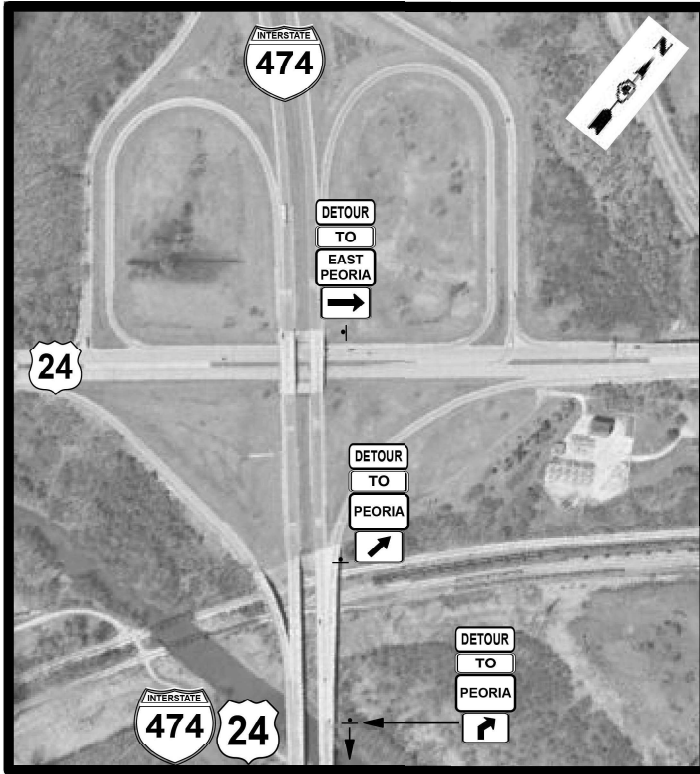
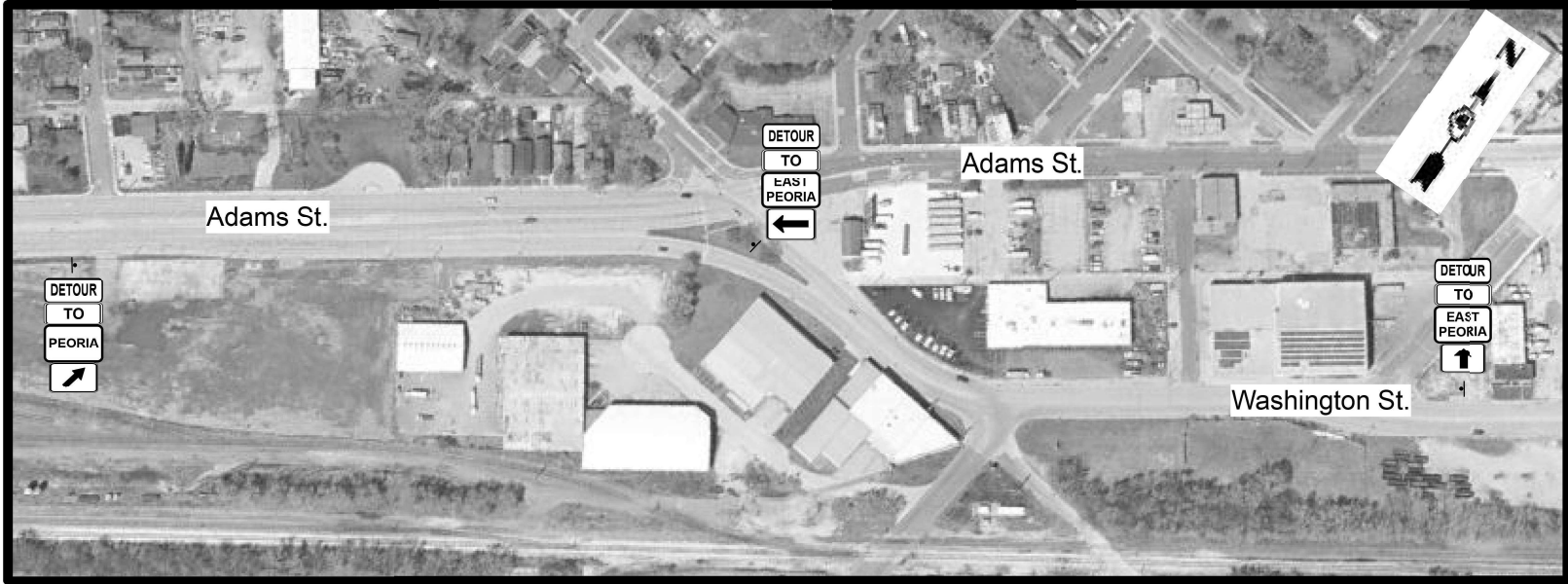
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - BRIDGE REPAIR  
STAGE 3

SCALE: 1" = 50' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

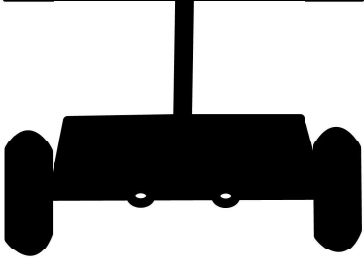
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	26
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEVELL



Sign Inventory (This Page Detail)

CEDAR STREET BRIDGE CLOSED	= 1	END DETOUR	= 1
48X48 BLACK ON WHITE		M4-8A 24 X18	
EDMUND STREET EXIT OPEN	= 1	M6-2P 21X15	= 5
48X48 BLACK ON WHITE		M6-3P 21X15	= 2
DETOUR AHEAD	= 1	M5-2P(R) 21X15	= 2
W20-2(O)-48			
DETOUR	= 11		
M4-8P			
TO	= 12		
M4-5P			
EAST PEORIA	= 7		
24X24 BLACK ON WHITE			
PEORIA	= 5		
24X24 BLACK ON WHITE			
→	= 1		
M6-1P(R) 21X15			
←	= 2		
M6-1P(L) 21X15			



Place three (3) message boards up for fourteen (14) days prior to closing the bridge. Locations will be discussed at the preconstruction meeting.

FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLOTDRVS\$



USER NAME = mkirschner	DESIGNED -	REVISED -
D468A93-KEG-Staging-3.03.dgn	DRAWN -	REVISED -
PLOT SCALE = 600.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 10/05/2015	DATE -	REVISED -

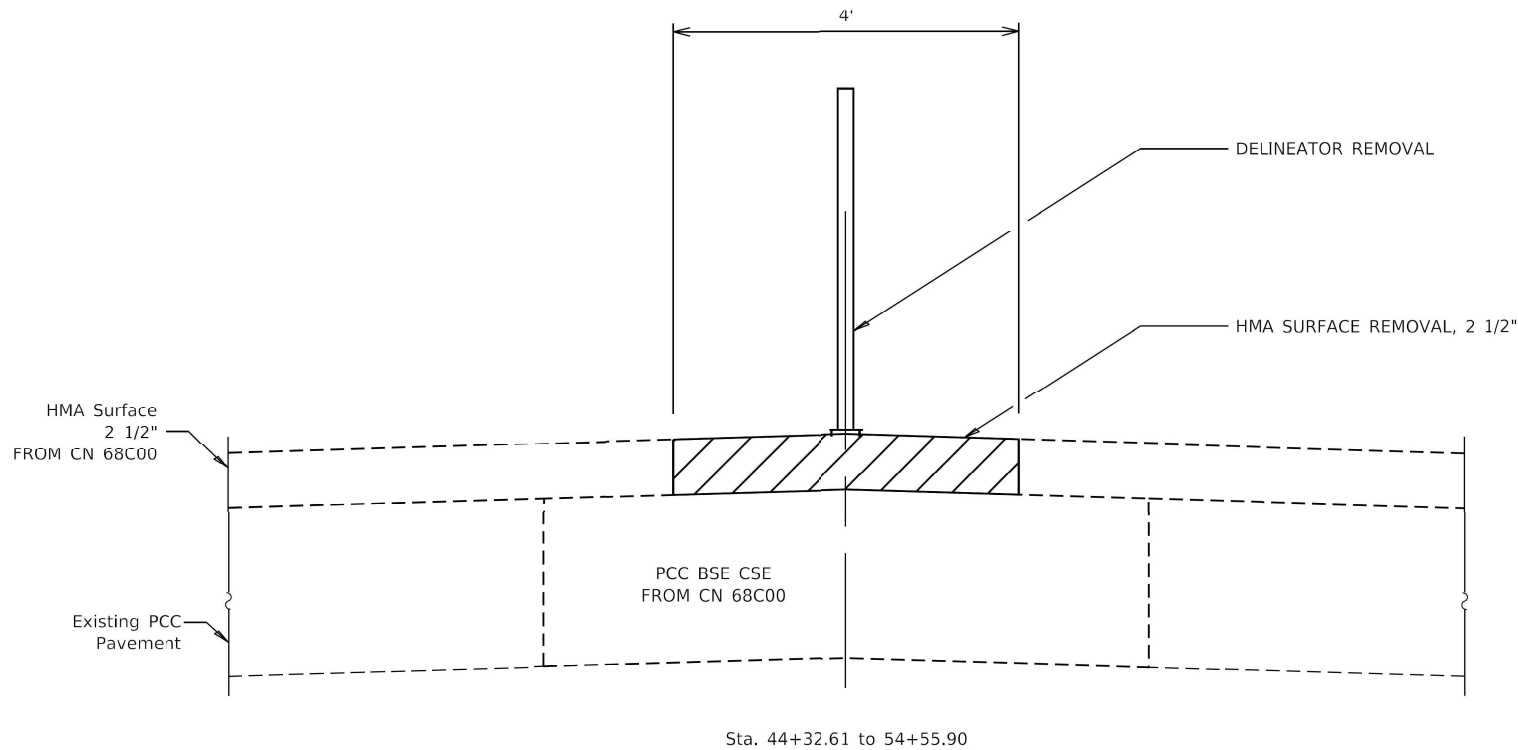
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – BRIDGE REPAIR  
STAGE 3

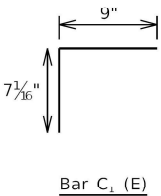
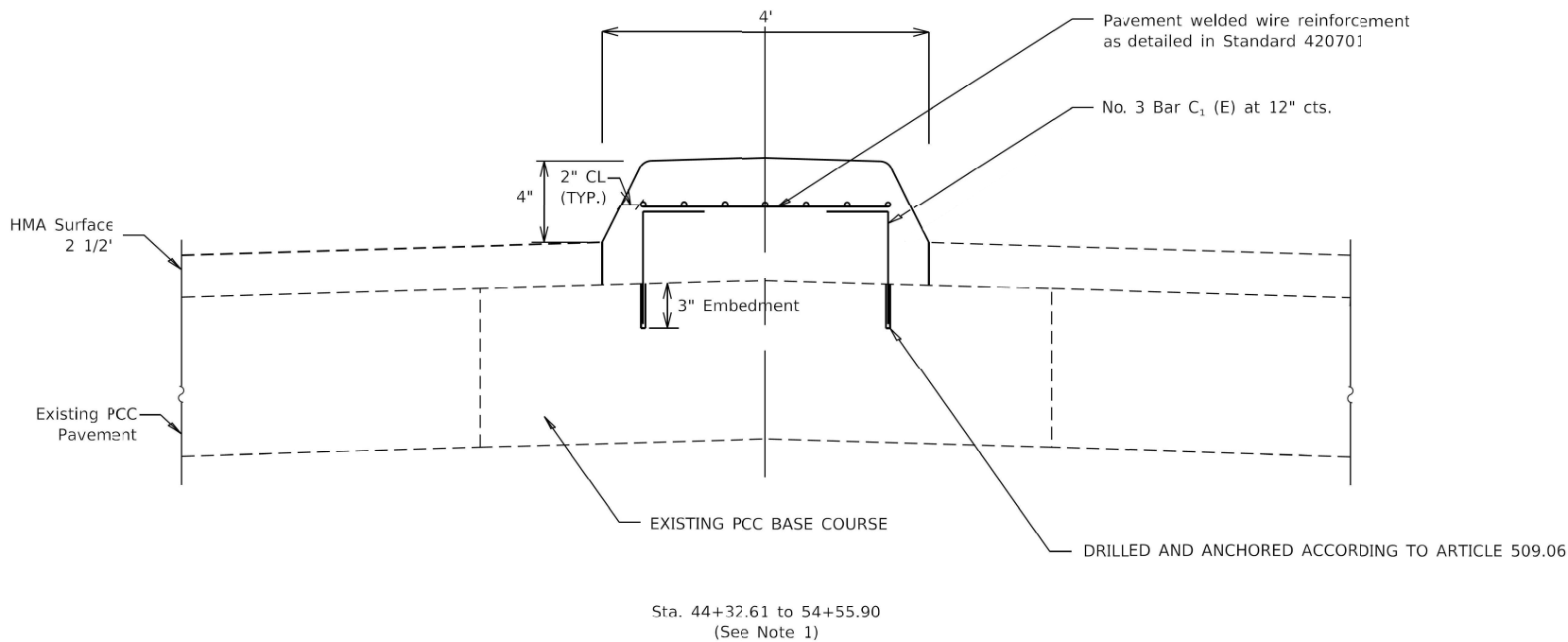
SCALE: 1" = 50' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	27
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL



- NOTES:
1. This work shall be in accordance with Section 606 of the Standard Specifications and Highway Standard 606301.
  2. Concrete Median (Special) will be measured for payment in place and the area computed in square feet. The areas of ramped nose and the areas of median transitions at the bridge approach pavement connectors will be included in the measured quantity of CONCRETE MEDIAN (SPECIAL).
  4. The median noses on Concrete Median (Special) shall have a radius of 2 feet. The noses shall have a ramp length of 6 feet.
  5. Approaching each connector pavement, the Concrete Median (Special) shall be transitioned from a 4" tall mountable style median to a 6" tall barrier style (as used on the connector pavement) over a length of 6 feet.
  6. This work will be paid for at the contract unit price per square foot for CONCRETE MEDIAN (SPECIAL).
  7. Furnishing and installing reinforcing bars and welded wire reinforcement shall be considered included in the cost of CONCRETE MEDIAN (SPECIAL).
  8. Remove existing Temporary Pavement from CN 68C00.



FILE NAME = \$FILELONG\$  
MODEL = \$MODEL\$  
PLOT DRIVER = \$PLTDV\$



USER NAME = mkirschner  
D468A93-sht-Concrete Median Detail.dgn  
PLOT SCALE = 60000.0000' / ft.  
PLOT DATE = 10/05/2015

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

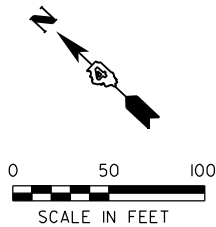
CONCRETE MEDIAN  
(SPECIAL) DETAIL

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	28
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

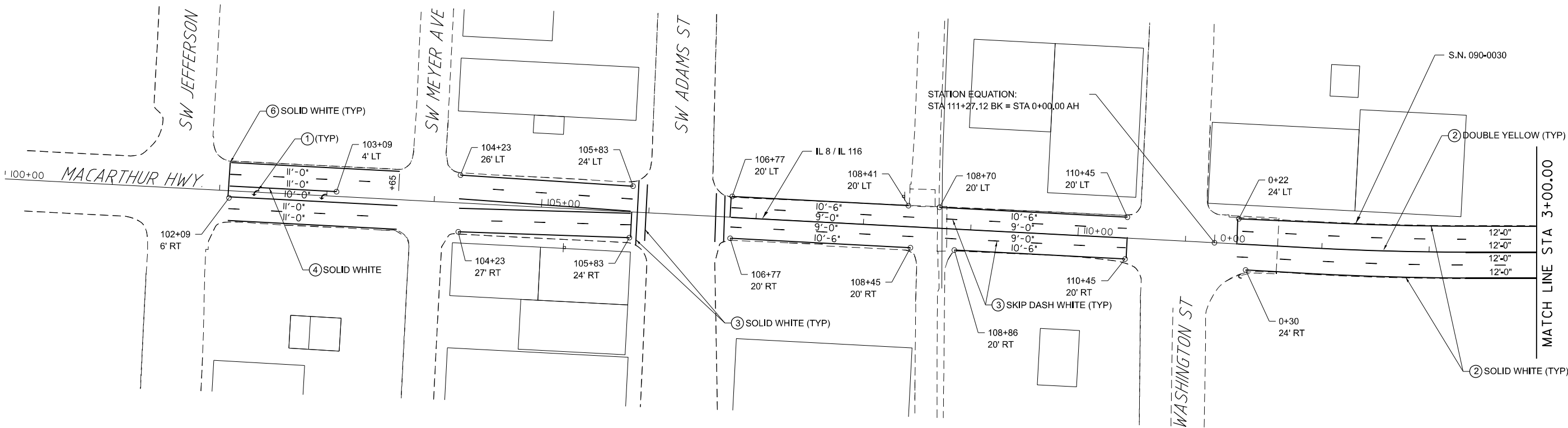
(\*) PEORIA / TAZEWELL





LEGEND

- ① POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② POLYUREA PAVEMENT MARKING - LINE 4"
- ③ POLYUREA PAVEMENT MARKING - LINE 6"
- ④ POLYUREA PAVEMENT MARKING - LINE 8"
- ⑤ POLYUREA PAVEMENT MARKING - LINE 12"
- ⑥ POLYUREA PAVEMENT MARKING - LINE 24"



NOTE:

THE CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS BETWEEN SW JEFFERSON STREET AND SW ADAMS STREET. PAVEMENT MARKING LOCATIONS NOTED IN THIS AREA ARE FOR QUANTITY PURPOSES ONLY.

FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLOTDRVS\$



USER NAME = mkirschner	DESIGNED -	REVISED -
D468A93-sht-Pmk_01.dgn	DRAWN -	REVISED -
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PLOT DATE = 10/05/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

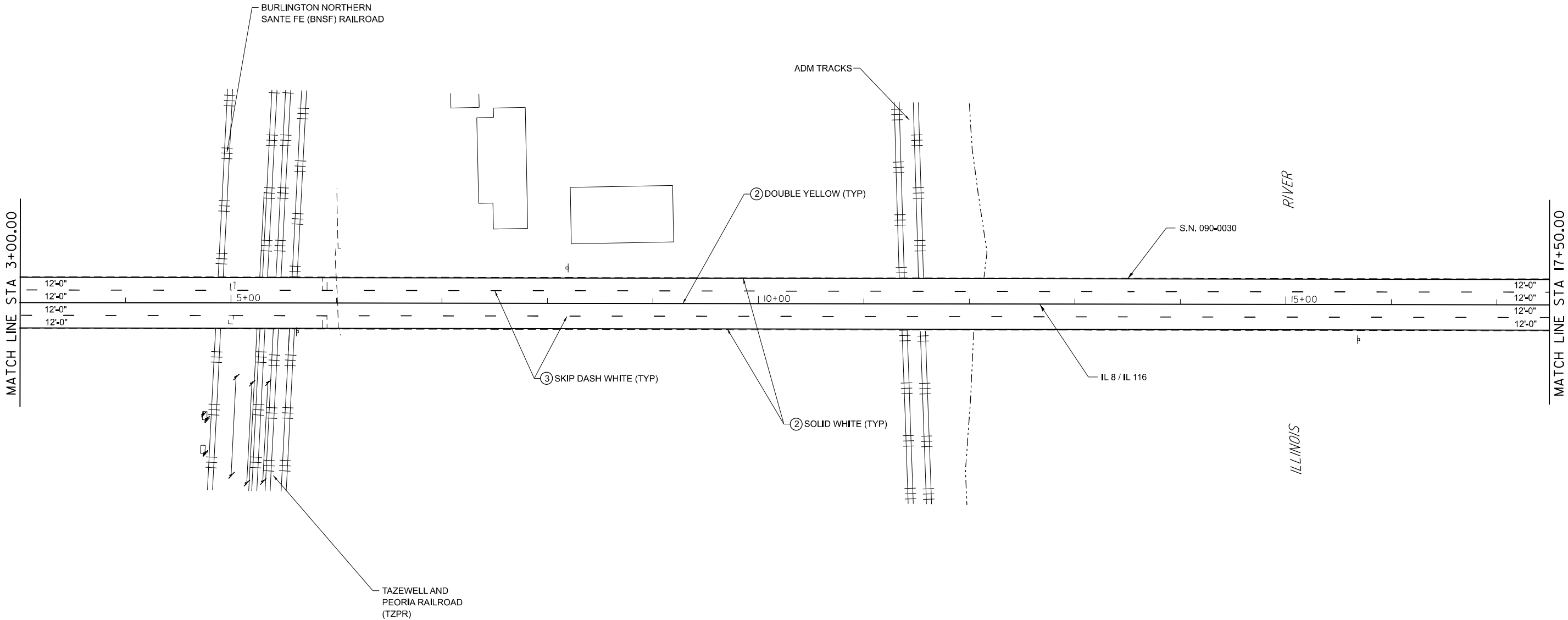
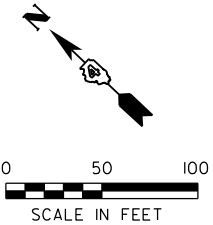
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	29
CONTRACT NO. 68627				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEVELL

LEGEND

- ① POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② POLYUREA PAVEMENT MARKING - LINE 4"
- ③ POLYUREA PAVEMENT MARKING - LINE 6"
- ④ POLYUREA PAVEMENT MARKING - LINE 8"
- ⑤ POLYUREA PAVEMENT MARKING - LINE 12"
- ⑥ POLYUREA PAVEMENT MARKING - LINE 24"



FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLOTDRVS\$



**Kaskaskia**  
Engineering Group, LLC  
Professional Engineering Group

208 E. Main St., Suite 100  
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618.233.2077 phone  
618.233.2077 fax  
www.kaskaskieng.com  
**618.233.2077**  
Professional Engineering Group

USER NAME = mkirschner	DESIGNED -
D468A93-sht-Pmk_02.dgn	DRAWN -
PLOT SCALE = 600.0000' / ft.	CHECKED -
PLOT DATE = 10/05/2015	DATE -

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

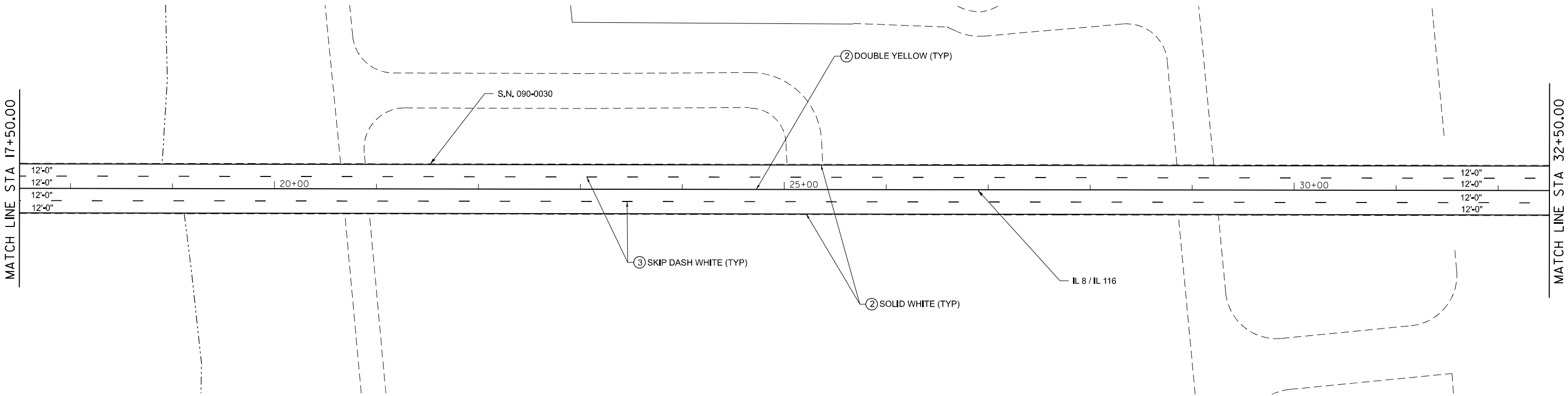
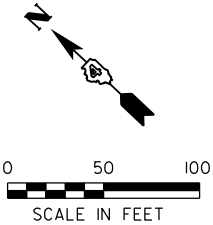
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	30
CONTRACT NO. 68627				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL

LEGEND

- ① POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② POLYUREA PAVEMENT MARKING - LINE 4"
- ③ POLYUREA PAVEMENT MARKING - LINE 6"
- ④ POLYUREA PAVEMENT MARKING - LINE 8"
- ⑤ POLYUREA PAVEMENT MARKING - LINE 12"
- ⑥ POLYUREA PAVEMENT MARKING - LINE 24"



FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLTDVS\$



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Professional Engineering Firm  
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USER NAME = mkirschner	DESIGNED -	REVISED -
D468A93-sht-Pmk_03.dgn	DRAWN -	REVISED -
PLOT SCALE = 600.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 10/05/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

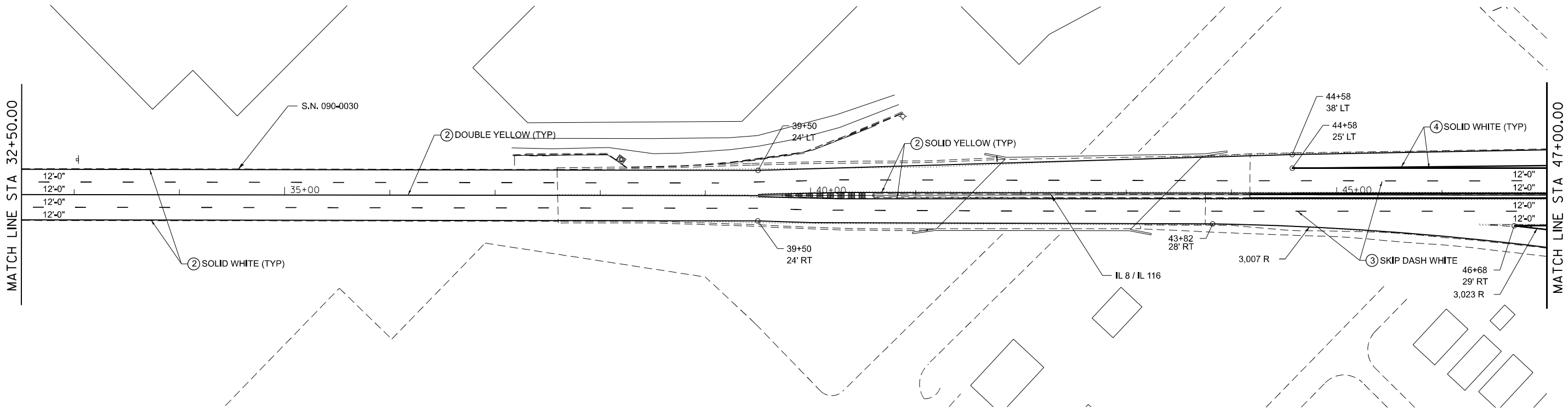
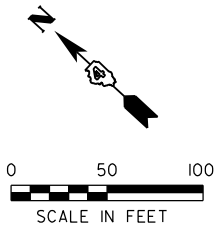
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	31
CONTRACT NO. 68C27				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL

LEGEND

- ① POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② POLYUREA PAVEMENT MARKING - LINE 4"
- ③ POLYUREA PAVEMENT MARKING - LINE 6"
- ④ POLYUREA PAVEMENT MARKING - LINE 8"
- ⑤ POLYUREA PAVEMENT MARKING - LINE 12"
- ⑥ POLYUREA PAVEMENT MARKING - LINE 24"



FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLOTDRVS\$



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USER NAME = mkirschner	DESIGNED -	REVISED -
D468A93-sht-Pmk_04.dgn	DRAWN -	REVISED -
PLOT SCALE = 600.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 10/05/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

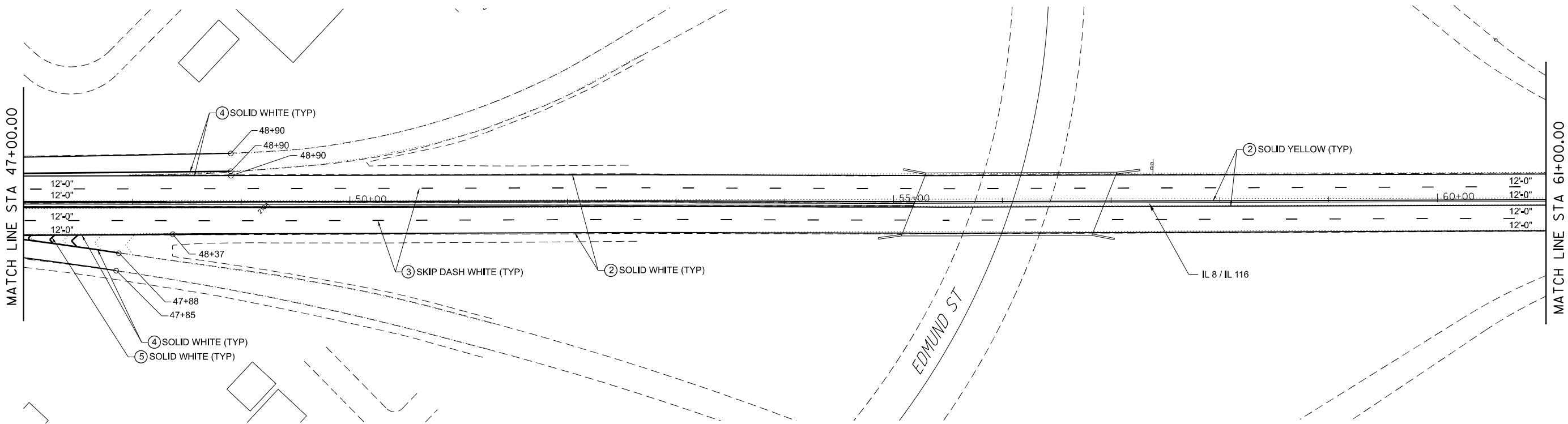
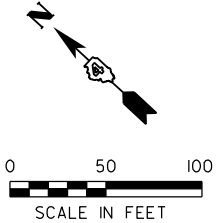
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	32
CONTRACT NO. 68627				
ILLINOIS FED. AID PROJECT			\$PMK04	

(\*) PEORIA / TAZEWELL

LEGEND

- ① POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② POLYUREA PAVEMENT MARKING - LINE 4"
- ③ POLYUREA PAVEMENT MARKING - LINE 6"
- ④ POLYUREA PAVEMENT MARKING - LINE 8"
- ⑤ POLYUREA PAVEMENT MARKING - LINE 12"
- ⑥ POLYUREA PAVEMENT MARKING - LINE 24"



FILE NAME = \$FILELONG\$  
MODEL = \$MODEL\$  
PLOT DRIVER = \$PLTDV\$

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Illinois Professional Design Firm  
Professional Engineering Company

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618.233.2977 fax  
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ILLINOIS REGISTRATION NO. 043-080131  
20-000006

USER NAME = mksrschner	DESIGNED -	REVISED -
D468A93-sht-Pmk_05.dgn	DRAWN -	REVISED -
PLOT SCALE = 600.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 10/05/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

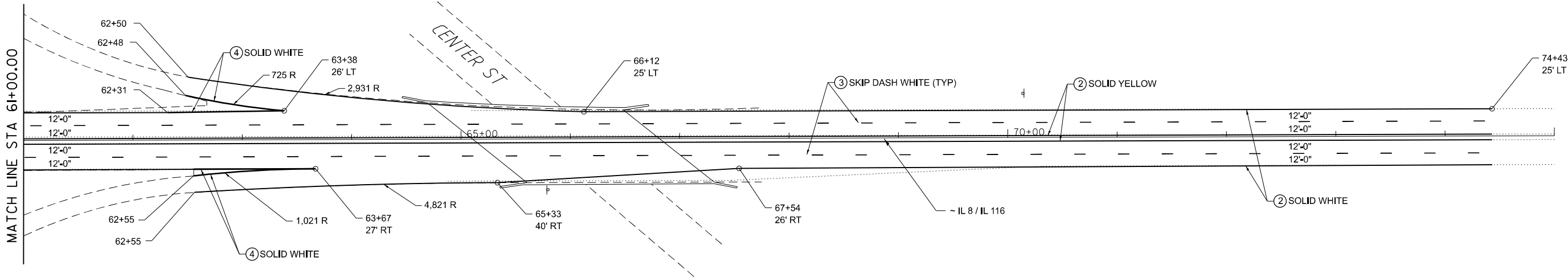
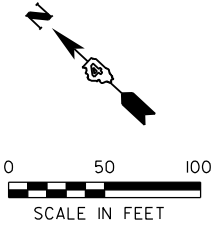
PAVEMENT MARKING AND SIGNING PLAN			
SCALE: 1" = 50'	SHEET NO. 5 OF 6 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	33
CONTRACT NO. 68627				
ILLINOIS FED. AID PROJECT				

(\*) PEORIA / TAZEWELL

LEGEND

- ① POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS
- ② POLYUREA PAVEMENT MARKING - LINE 4"
- ③ POLYUREA PAVEMENT MARKING - LINE 6"
- ④ POLYUREA PAVEMENT MARKING - LINE 8"
- ⑤ POLYUREA PAVEMENT MARKING - LINE 12"
- ⑥ POLYUREA PAVEMENT MARKING - LINE 24"



FILE NAME = #FILELONG\$  
MODEL = #MODEL\$  
PLOT DRIVER = #PLTDVS\$

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Professional Engineering Group

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618.233.2077 fax  
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USER NAME = mkirschner	DESIGNED -	REVISED -
D468A93-sht-Pmk_06.dgn	DRAWN -	REVISED -
PLOT SCALE = 600.0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 10/05/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN			
SCALE: 1" = 50'	SHEET NO. 6 OF 6 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	(*)	115	34
CONTRACT NO. 68627				
ILLINOIS FED. AID PROJECT				

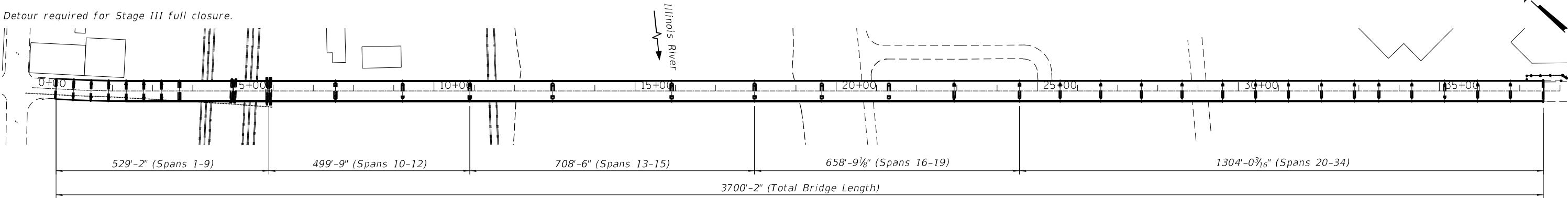
(\*) PEORIA / TAZEWELL

TBM #1: Cap bolt between the E and L in "Mueller" on the fire hydrant at the N.E. quadrant of Washington and MacArthur. Sta. 110+47.04, 31.83' LT. Elev. 486.23  
TBM #2: North cap bolt marked with an "X" on the first hydrant on the west side of Cedar Street Bridge between Piers 5 & 6. Sta. 3+01.61, 35.54' RT. Elev. 470.22  
TBM #3: Top of the N.E. bolt of the steel pier bearing on the east pad of Pier 8. Sta. 4+99.31, 18.29' LT. Elev. 466.71  
TBM #4: Top of RR spike in the south face of the power pole N.E. of Pier 8. Sta. 5+07.63, 425.07' LT. Elev. 467.38

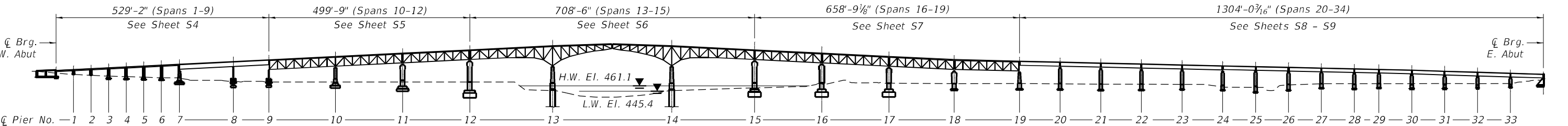
Existing Structure: S.N. 090-0030. Completed in 1933; Thirty-four spans, 7 simple multi-beam spans, 17 simple riveted plate girder spans, 7 simple deck truss and 3 haunched cantilever truss spans.  
Total Length = 3700'-2" back-to-back of abutments, 49'-2" roadway.

No salvage.

Detour required for Stage III full closure.



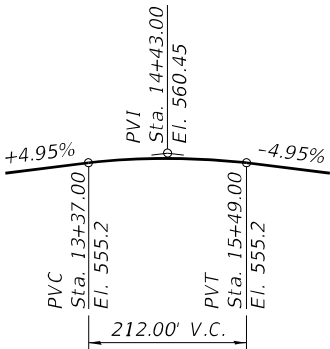
PLAN



ELEVATION  
(Looking North)

CURVE DATA

P.I. Sta. = 1+63.85  
 $\Delta = 2^\circ 55' 00''$  (LT)  
 $D = 2^\circ 04' 06''$   
 $R = 2770.06'$   
 $T = 70.52'$   
 $L = 141.01'$   
 $E = 0.90'$   
P.C. Sta. = 0+93.33  
P.T. Sta. = 2+34.33



EXISTING PROFILE GRADE

SCOPE OF WORK

- Selective deck repairs along the structure.
- Selective concrete repairs on the North parapet of the structure.
- Replacement of Pier 7 finger plate expansion joints.
- Replacement of concrete deck adjacent to the finger plate joints at Pier 7 as required.
- Selective structural steel rehabilitation (repairs and replacement) to truss members, gusset plates, floorbeams, stringers, and bracing. Summary of anticipated structural steel repair types:
  - Type 1 - Plate one or both sides of web to repair section loss in web, or plate flange to replace section loss in flange.
  - Type 2 - Attach repair angles to the flange/web of existing structural elements to repair section loss.
  - Type 3 - Attach repair angle to interior face of flange and attach plate to exterior face of flange.
  - Type 4 - Replace existing angles in bearing stiffener.
  - Type 5 - Replace gusset plate to restore section loss.
  - Type 6 - Attach repair angle to interior face of flange and replace lattice bar.
  - Type 7 - Remove existing welded plate, remove bolts from existing plate, and attach repair plate that extends from existing plate to exterior flange of chord. Attach angle to interior flange of chord.
  - Type 8 - Straighten existing member and attach plate to interior face of existing chord flanges.
  - Type 9 - Attach repair stiffener.
- Selective repairs to bridge deck drainage system.

DESIGN STRESSES

1929 (ORIGINAL)  
Axial tension on net section = 18,000 psi  
Axial compression on gross section = 18,000 psi  
1986 (REHABILITATION)  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)  
 $f_y = 36,000$  psi (M183)  
 $f_y = 50,000$  psi (M223, Grade 50)  
2015 (REHABILITATION)  
 $f'_c = 4,000$  psi  
 $f_y = 60,000$  psi (reinforcement)  
 $f_y = 50,000$  psi (M270 Grade 50)  
(NEW CONSTRUCTION)  
 $f'_c = 4,000$  psi  
 $f_y = 60,000$  psi (reinforcement)  
 $f_y = 50,000$  psi (M270 Grade 50)

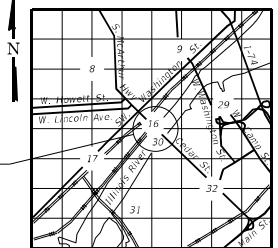
LOADING HS20-44 (NEW CONSTRUCTION)

DESIGN SPECIFICATIONS

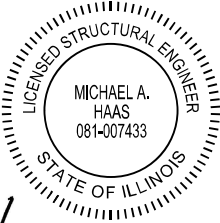
2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.

GENERAL PLAN AND ELEVATION  
CEDAR STREET BRIDGE OVER ILLINOIS RIVER  
F.A.P. ROUTE 669  
PEORIA/TAZWELL COUNTIES  
STATION 14+43.00  
STRUCTURE NO. 090-0030

Range 8E Range 4W  
(Peoria), (Tazwell),  
4th P.M. 3rd P.M.

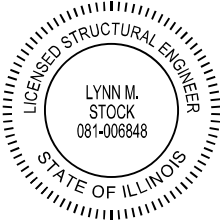


LOCATION SKETCH



Michael A. Haas  
License Expires  
Sheet Range

11/30/2026  
S1 Thru S21



Lynn Stock  
License Expires  
Sheet Range

11/30/2026  
S22 Thru S60

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S1 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	35
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

COLLINS ENGINEERS

USER NAME =  
PLOT SCALE =  
PLOT DATE =

DESIGNED - JA  
CHECKED - MAH/LDB  
DRAWN - JA  
CHECKED - MAH/LDB

REVISED -  
REVISED -  
REVISED -  
REVISED -

MODEL: Default

1/13/2025 8:59:27 AM

Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts in painted areas. Bolts  $\frac{7}{8}$  in. diameter, holes  $\frac{15}{16}$  in. diameter, unless otherwise noted.

Calculated weight of Structural Steel = 10,980 lbs.  
Estimated Structural Steel Removal is 2,295 lbs.

*No field welding is permitted except as specified in the contract documents.*

Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Energy Requirement, Zone 2.

*The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.*

Existing structure plans are available for review in the District office.  
Contact Anna Devine at (309) 671-3475.

*All removal work shall be performed with care so that materials which are to remain in place or to be reused will not be damaged. It will be the Contractor's responsibility to repair and replace any members damaged as a result of the removal operations at the Contractor's expense.*

Gaps between the existing and new steel angles and/or plates to be covered by new steel plates and/or angles, shall be sealed with an approved polyurethane sealant. The sealant shall be compatible with the proposed paint system and shall be submitted to the Engineer for approval prior to use. All costs associated with the installation of the sealant shall be included with the cost for Structural Steel Repair.

Depending on the condition of existing structural steel, steel reinforced epoxy putty shall be used to address variations in existing material thickness to promote a flush plating repair free of voids which could allow water infiltration. The filler material shall be submitted to the Engineer for approval prior to use. All costs associated with the installation of the filler material shall be included with the cost for Structural Steel Repair.

The Contractor shall take all necessary measures to ensure that no debris falls in the Illinois River or endangers or interferes with river traffic beneath the bridge. The cost of this work shall be included under the relevant pay item. If any debris falls into the waterway, the Contractor shall remove it from the river to the Engineer's satisfaction and at no additional cost.

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

Cleaning and painting of the existing structural steel shall be as specified in the special provision for GBSP-21 "Cleaning and Painting Contact Surface Areas of Existing Steel Structures". All beams, and other structural steel within 5 ft (measured along the beam) of either side of repair area shall be cleaned per Near White Blast Cleaning - SSPC-SP10 and/or per Commercial Grade Power Tool Cleaning - SSPC-SP15. All cost is included under "Structural Steel Repair" pay item.

*The Contractor shall submit calculations and details demonstrating the structural integrity of the bridge is maintained under the additional imposed loads of the containment system. See special provisions.*

*A minimum of 4 air monitors will be required to monitor abrasive blasting operations at this site. See special provision for "Containment and Disposal of Lead Paint Cleaning Residues."*

*SSPC QP1 and QP2 Painting Contractor Certification are required for the cleaning and painting work.*

*The Contractor shall employ a State of Illinois Structural Engineer to ensure stability at all times and shall conform to special provision for "Structural Assessment Reports and Contractor's Means and Methods."*

The Contractor shall retain the services of an engineering firm, prequalified in the IDOT consultant selection category of Highway Bridges (Complex), for preparation of the structural Assessment Report(s). Contractor's pre-approval shall not be applicable for this project.

*Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS Loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.*

The Contractor is advised that the existing structure contains members that are in deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete and partial removal, or replacement of the structure. An Existing Structure Information Package is available upon request as noted in the special provisions.

*Truss member and gusset plate repairs are to be completed under reduced bridge live loads. Individual truss member and gusset plate repairs shall be completed when stage traffic is on the opposite side of the bridge with respect to the repair location.*

*The Contractor must not use the railroad right-of-way for storage of materials or equipment during construction. The railroad's right-of-way must remain clear at all times. The Contractor must plan and perform the work in a manner such that the railroad tracks at the project location remain fully capable of operating rail traffic thorough the work period and rail traffic is not delayed or otherwise impacted due to the work being performed.*

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu Yd	15		15
Protective Shield	Sq Yd	298		298
Concrete Superstructure	Cu Yd	15		15
Bridge Deck Grooving	Sq Yd	27		27
Protective Coat	Sq Ft	386		386
Reinforcement Bars, Epoxy Coated	Pound	2,369		2,369
Mechanical Splicers	Each	40		40
Finger Plate Expansion Joint, 5"	Foot	50		50
Fabric Reinforced Elastomeric Trough	Foot	53		53
Epoxy Crack Injection	Foot	350		350
Bridge Drainage System Repair	Each	5		5
Structural Steel Removal	Pound	2,295		2,295
Structural Steel Repair	Pound	10,980		10,980
Containment and Disposal of Lead Paint Cleaning Residues No. 1	L Sum	1		1
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq Ft	145		145
Deck Slab Repair (Partial)	Sq Yd	24		24
Cleaning Drainage System	L Sum	1		1

1.	General Plan and Elevation	31.	Gusset Plate Repairs - 9
2.	Index of Sheets, Bill of Material & General Notes	32.	Gusset Plate Repairs - 10
3.	Superstructure Repair Schedule	33.	Truss Member Repairs - 1
4.	Repair Plan and Elevation 1	34.	Truss Member Repairs - 2
5.	Repair Plan and Elevation 2	35.	Truss Member Repairs - 3
6.	Repair Plan and Elevation 3	36.	Truss Member Repairs - 4
7.	Repair Plan and Elevation 4	37.	Truss Member Repairs - 5
8.	Repair Plan and Elevation 5	38.	Truss Member Repairs - 6
9.	Repair Plan and Elevation 6	39.	Truss Member Repairs - 7
10.	Concrete Deck Repair Plan 1	40.	Truss Member Repairs - 8
11.	Concrete Deck Repair Plan 2	41.	Truss Member Repairs - 9
12.	Concrete Deck Repair Plan 3	42.	Truss Member Repairs - 1
13.	Concrete Deck Repair Plan 4	43.	Truss Member Repairs - 1
14.	Bridge Joint Concrete Removals - Pier 7	44.	Truss Member Repairs - 1
15.	Finger Plate Joint Details 1 - Pier 7	45.	Truss Member Repairs - 1
16.	Finger Plate Joint Details 2- Pier 7	46.	Truss Member Repairs - 1
17.	Finger Plate Joint Details 3 - Pier 7	47.	Truss Member Repairs - 1
18.	Drainage Structure System Repair	48.	Truss Member Repairs - 1
19.	Reinforcement Details	49.	Truss Member Repairs - 1
20.	Bar Splicer Assembly and Mechanical Splicer Details	50.	Truss Member Repairs - 1
21.	Temporary Concrete Barrier	51.	Truss Member Repairs - 1
22.	Gusset Plate Repair Notes	52.	Floorbeam Repairs - 1
23.	Gusset Plate Repairs - 1	53.	Floorbeam Repairs - 2
24.	Gusset Plate Repairs - 2	54.	Floorbeam Repairs - 3
25.	Gusset Plate Repairs - 3	55.	Floorbeam Repairs - 4
26.	Gusset Plate Repairs - 4	56.	Cantilever Floorbeam Bracing Repairs - 1
27.	Gusset Plate Repairs - 5	57.	Beam Repairs - 1
28.	Gusset Plate Repairs - 6	58.	Beam Repairs - 2
29.	Gusset Plate Repairs - 7	59.	Stringer Repairs - 1
30.	Gusset Plate Repairs - 8	60.	Bearing Stiffener Repair - 1

Abut.	Abutment	E.F.	Each Face	S.	South
@	At	Elev.	Elevation	SE	Southeast
B.F.	Back Face	Exist.	Existing	Shldr.	Shoulder
Bk.	Back	Exp.	Expansion	Spa.	Spaces
Brg.	Bearing	F.F.	Front Face	Std.	Standard
Btw.	Between	Max.	Maximum	Sta.	Standard
CL	Centerline	Min.	Minimum	Sta.	Station
Clr.	Clear	N.	North	SW	Southwest
Cts.	Centers	NE	Northeast	Typ.	Typical
Const.	Construction	No.	Number	U.N.O.	Unless Noted Other
±	Diameter	NW	Northwest	Vert.	Vertical
E.	East	Pt.	Point	W.	West



SUPERSTRUCTURE STEEL REPAIR SCHEDULE

NBIS Inspection Deficiency Item No.	Sheet No.	Item	Location	Repair Action
22, 341, 511, 25, 283 286, 47, 290 296, 297, 61, 298, 299, 300 345, 304 309, 135 179, 182, 186, 189, 337, 193 204, 206	S22-S32	Gusset Plate	Span 10: L1N (IP & OP), L3S (IP), L1S (IP), L4S (OP), L6N (IP) Span 11: L3S (OP), L5N (OP), L7N (IP) Span 12: L1N (OP), L1S (OP), L2N (OP), L3N (IP & OP), L5N (IP), L5S (IP) Span 14: L2S (OP), L4S (IP) Span 15: L8'S (IP), L11'N (IP) Span 17: L1N (IP), L2N (IP), L4N (OP), L6N (IP), L6N (OP), L8N (IP & OP) Span 18: L3S (IP), L4S (IP)	Attach repair angles and plates to gusset plate.
157	S33	Truss Chords and Struts	Span 16: L0N-U0N	Remove existing welded plate (if applicable). Remove bolts from existing plate (i.e. gusset, connection). Attach repair plate that extends from existing plate to exterior flange of chord, and include fill plate as necessary. Attach plates to interior face of chord angle. Replace lattice bar.
70	S33		Span 12: L8S-U8S (9.25' from L8S)	Attach repair plate to exterior face of existing chord flanges.
526, 140, 527, 311 529, 530, 316, 469, 470 473	S33-S40		Span 15: L11'N-U11'N, L12'N-U12'N, L15'N-U15'N, L16'N-U16'N Span 16: L3N-U3N, L5N-U5N, L8N-U8N Span 18: L0N-U0N, L0S-U0S Span 19: L0S-U0S	Remove existing welded plate (if applicable). Remove bolts from existing plate (i.e. gusset, connection). Attach repair plate that extends from existing plate to exterior flange of chord, and include fill plate as necessary. Attach plates to interior face of chord angle.
528 198 474	S41		Span 16: L1S-L2S Span 18: L0S-L1S Span 19: L0S-L1S	Plate interior faces of chord angles and replace lattice bar(s) as necessary.
121	S42		Span 14: L5'N-L6'N	Plate inside web. Detatch and reattach existing lattice bars as necessary.
342 343 344 315	S43, S44		Span 11: L8S-U8S Span 12: L0S-U0S Span 13: L16S-U16S Span 16: L82-U8S	Attach repair angle or plate to interior face of flange, and attach plate to exterior face of flange. Remove and replace existing angle on vertical chord to allow for continuity of repair plate.
379 315	S45		Span 10: L8N-U8N Span 16: L0S-U0S	Straighten existing member. Attach repair angle or plate to interior face of flange, and attach plate to exterior face of flange. Remove and replace existing angle on veritcal chord to allow for continuity of repair plate.
514	S46		Span 11: U0N-U1N	Attach repair angle to the interior face of upper chord angle.
400	S47		Span 12: L5S-L5N near South Truss	Attach repair plates to interior faces of lateral strut bottom flanges.
379	S48		Span 11: L0S-L0N	Remove existing welded repair plate. Install and wel new repair plate.
520	S50		Span 13&14: L7N-U7N	Attach repair plate to exterior face of chord.
129	S51	Gusset Plate Stiffener	Span 15: U7'S gusset plate	Attach fill and repair plates.
278, 11, 12 56 314	S52	Beams/Floorbeam (Top Flange)	Span 8: FB 2 at midspan, FB 4 at midspan between Stringer 4 and 4A, FB 6 at midspan Span 12: FB 1 between Stringer 4 & 4A Span 16: FB 5 at midpoint	Plate and angle top flange.
12 534	S53 S54	Beams/Floorbeam (Bottom Flange)	Span 8: FB 6 at midspan Span 20: FB0 near South girder	Plate bottom flange.
277 282 402, 403	S58, S59		Span 5: Beam 1 at Pier 5 Span 10: Stringer 4 at midpoint/panel 2 Span 12: Stringer 4 at midpoint /panel 5, Stringer 4 at midpoint/panel 6	Attach repair angles to the flange/web of the existing structural element.
532	S55	Beams/Floorbeam (Web)	Span 17: FB8 near North Truss	Plate both sides of web.
268, 269, 267 273, 274, 275	S57		Span 1: Beam 3 at Pier 1, Beam 4 at Pier 1, Beam 6 at W. Abut. Span 4: Beam 1 at Pier 4, Beam 7 at Pier 4, Beam 8 at Pier 4	Plate both sides of web and tie into the bottom flanges using bent plates.
163	S56	Built-Up Cantilever Bracket	Span 16: FB 3	Remove existing bent plate. Attach repair plate that extends from bottom of cantilever bracket to vertical chord, and include fill plate as necessary.
279, 280 327	S60	Bearing Stiffener	Span 8: East bearing at North girder, East bearing at South girder Span 9: North girder at Pier 9	Remove and replace a portion of the existing angles in bearing stiffener.

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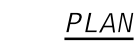
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE REPAIR SCHEDULE  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S3 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	37
		CONTRACT NO. 68G27		
		ILLINOIS	FED. AID PROJECT	

1. Contractor to notify G&W Public Projects Department 30 days prior to starting construction.

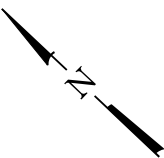


(Looking North)

LEGEND

(XX) NBIS Deficiency Item No.

<i>NBIS Inspection Deficiency Item No.</i>	<i>Sheet No.</i>	<i>Item</i>	<i>Location</i>	<i>Repair Action</i>
268, 269, 267 273, 274, 275	S57	Beams/Floorbeam (Web)	Span 1: Beam 3 at Pier 1, Beam 4 at Pier 1, Beam 6 at W. Abut. Span 4: Beam 1 at Pier 4, Beam 7 at Pier 4, Beam 8 at Pier 4	Plate both sides of web and tie into the bottom flanges using bent plates.
278, 11, 12	S52	Beams/Floorbeam (Top Flange)	Span 8: FB 2 at midspan, FB 4 at midspan between Stringer 4 and 4A, FB 6 at midspan	Plate and angle top flange.
12	S53	Beams/Floorbeam (Bottom Flange)	Span 8: FB 6 at midspan	Plate bottom flange.
277	S58		Span 5: Beam 1 at Pier 5	Attach repair angles to the flange/web of the existing structural element.
279, 280 327	S60	Bearing Stiffener	Span 8: East bearing at North girder, East bearing at South girder Span 9: North girder at Pier 9	Remove and replace a portion of the existing angles in bearing stiffener.



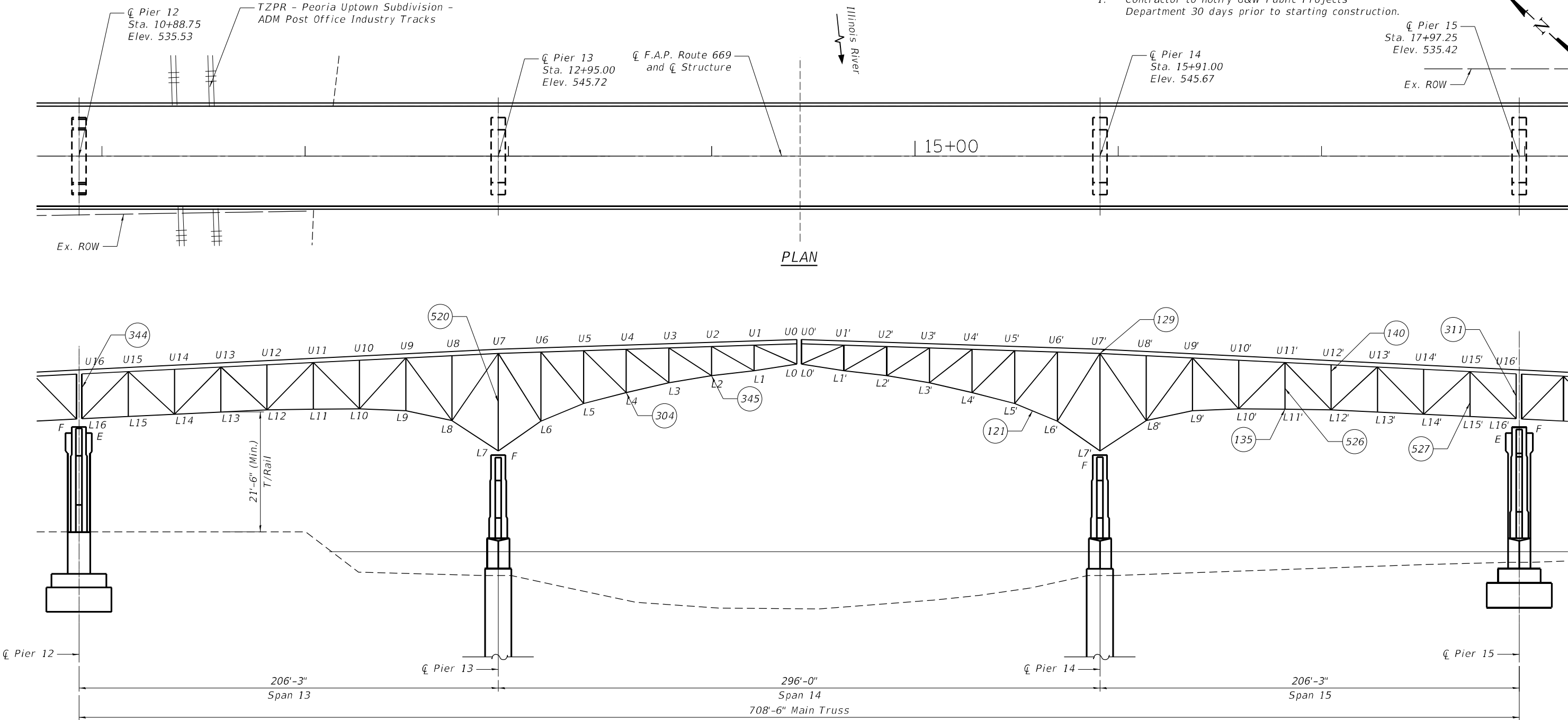
LEGEND

(XX) NBIS Deficiency  
Item No.

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NOTES:

1. Contractor to notify G&W Public Projects Department 30 days prior to starting construction.



SUPERSTRUCTURE STEEL REPAIR SCHEDULE

NBIS Inspection Deficiency Item No.	Sheet No.	Item	Location	Repair Action
345, 304 309, 135	S27, S28 S29, S30	Gusset Plate	Span 14: L2S (OP), L4S (IP) Span 15: L8'S (IP), L11'N (IP)	Attach repair angles and plates to gusset plate.
526, 140, 527, 311	S34-S37	Truss Chords and Struts	Span 15: L11'N-U11'N, L12'N-U12'N, L15'N-U15'N, L16'N-U16'N	Remove existing welded plate (if applicable). Remove bolts from existing plate (i.e. gusset, connection). Attach repair plate that extends from existing plate to exterior flange of chord, and include fill plate as necessary. Attach plates to interior face of chord angle.
121	S42		Span 13: L16S-U16S	Plate inside web. Detach and reattach existing lattice bars as necessary.
344	S43		Span 13: L16S-U16S	Attach repair angle or plate to interior face of flange, and attach plate to exterior face of flange. Remove and replace existing angle on vertical chord to allow for continuity of repair plate.
520	S50		Span 13&14: L7N-U7N	Attach repair plate to exterior face of chord.
129	S51		Span 15: U7'S gusset plate	Attach fill and repair plates.
		Gusset Plate Stiffener	Span 15: U7'S gusset plate	

LEGEND

XX NBIS Deficiency Item No.

**COLLINS**  
**ENGINEERS**

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PLOT DATE =	CHECKED - MAH/LDB	REVISED -

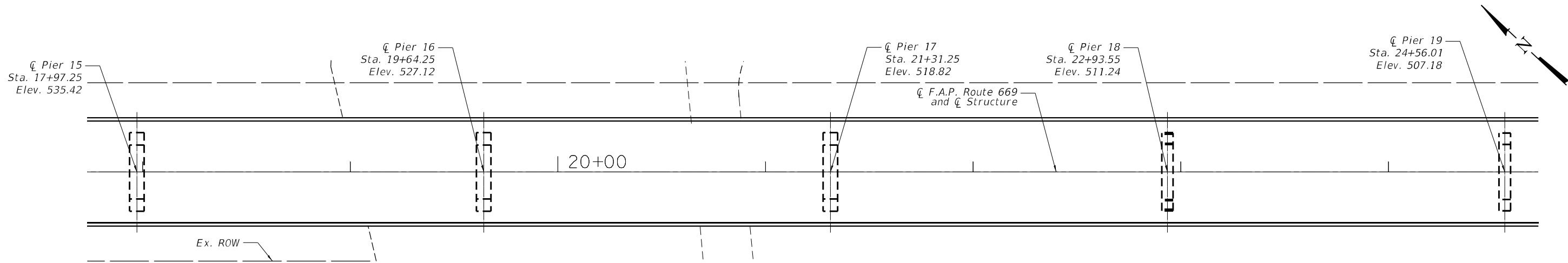
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REPAIR PLAN AND ELEVATION 3  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

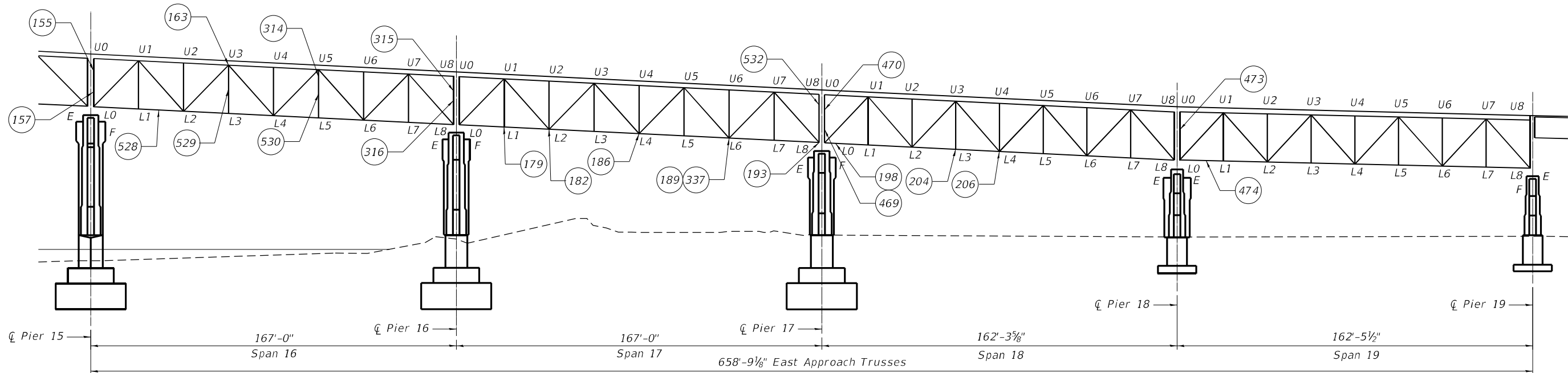
SHEET S6 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZEWELL	115	40
		CONTRACT NO. 68G27		
		ILLINOIS FED. AID PROJECT		

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PLAN



ELEVATION

(Looking North)

SUPERSTRUCTURE STEEL REPAIR SCHEDULE

LEGEND

(XX) NBIS Deficiency Item No.

NBIS Inspection Deficiency Item No.	Sheet No.	Item	Location	Repair Action
532	S46	Beams (Web)	Span 17: FB8 near North Truss	Plate both sides of web.
314	S44	Beams/Floorbeam (Top Flange)	Span 16: FB 5 at midpoint	Plate and angle top flange.
179, 182, 186, 189, 337, 193, 204, 206	S23-S26, S31, S32	Gusset Plate	Span 17: L1N (IP), L2N (IP), L4N (OP), L6N (IP), L6N (OP) Span 18: L3S (IP), L4S (IP)	Attach repair angles and plates to gusset plate.
529, 530, 316, 469, 470, 473	S33, S38-S40	Truss Chords and Struts	Span 16: L3N-U3N, L5N-U5N, L8N-U8N Span 18: L0N-U0N, L0S-U0S Span 19: L0S-U0S	Remove existing welded plate (if applicable). Remove bolts from existing plate (i.e. gusset, connection). Attach repair plate that extends from existing plate to exterior flange of chord, and include fill plate as necessary. Attach plates to interior face of chord angle.
155, 315	S44, S45		Span 16: L0S-U0S, L8S-U8S	Straighten existing member. Attach repair angle or plate to interior face of flange, and attach plate to exterior face of flange. Remove and replace existing angle on vertical chord to allow for continuity of repair plate.
157	S33		Span 16: L0N-U0N	Remove existing welded plate (if applicable). Remove bolts from existing plate (i.e. gusset, connection). Attach repair plate that extends from existing plate to exterior flange of chord, and include fill plate as necessary. Attach plates to interior face of chord angle. Replace lattice bar.
528, 198, 474	S41, S49		Span 16: L1S-L2S Span 18: L0S-L1S Span 19: L0S-L1S	Plate interior faces of chord angles and replace lattice bar(s) as necessary.
163	S56	Built-Up Cantilever Bracket	Span 16: FB 3	Remove existing bent plate. Attach repair plate that extends from bottom of cantilever bracket to vertical chord, and include fill plate as necessary.

**COLLINS**  
**ENGINEERS**

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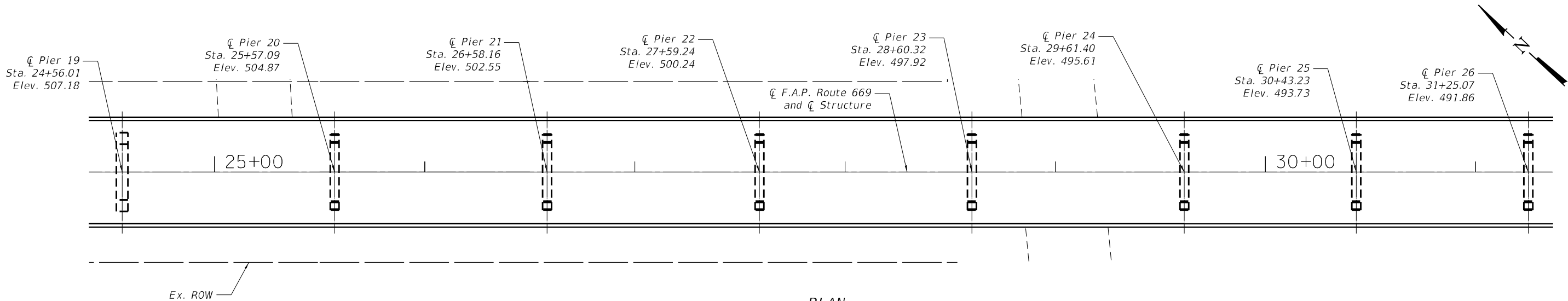
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DEPARTMENT OF TRANSPORTATION

REPAIR PLAN AND ELEVATION 4  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

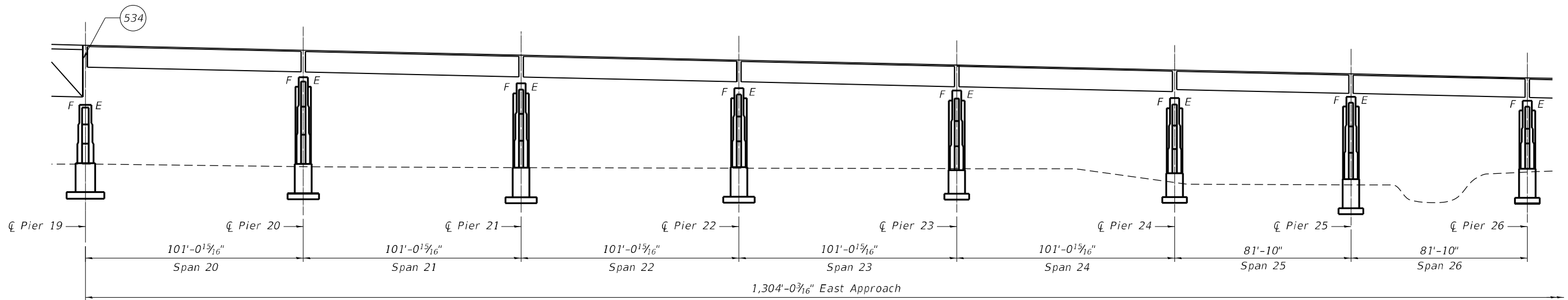
SHEET S7 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	41
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

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PLAN



ELEVATION  
(Looking North)

SUPERSTRUCTURE STEEL REPAIR SCHEDULE

NBIS Inspection Deficiency Item No.	Sheet No.	Item	Location	Repair Action
534	S53	Beams/Floorbeam (Bottom Flange)	Span 20: FB0 near South girder	Plate bottom flange.

LEGEND

(XX) NBIS Deficiency Item No.

**COLLINS**  
**ENGINEERS**

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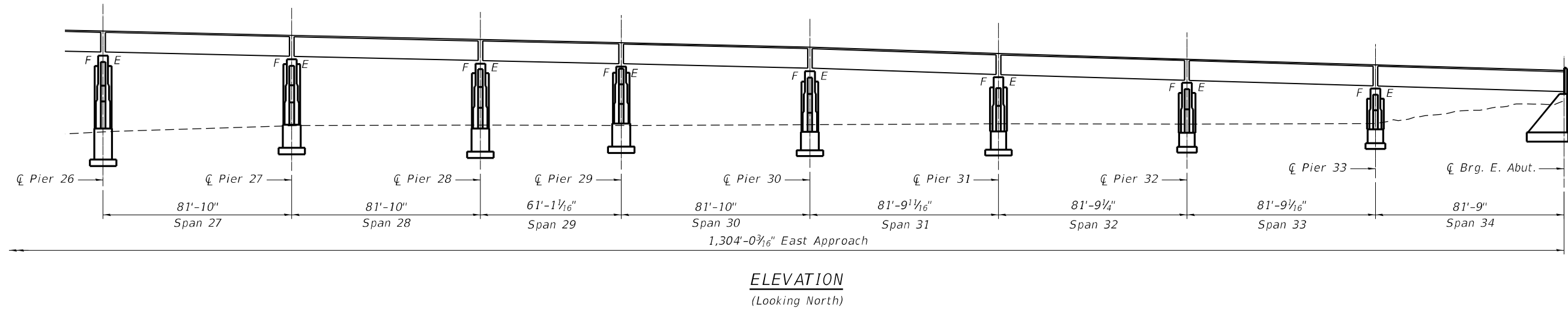
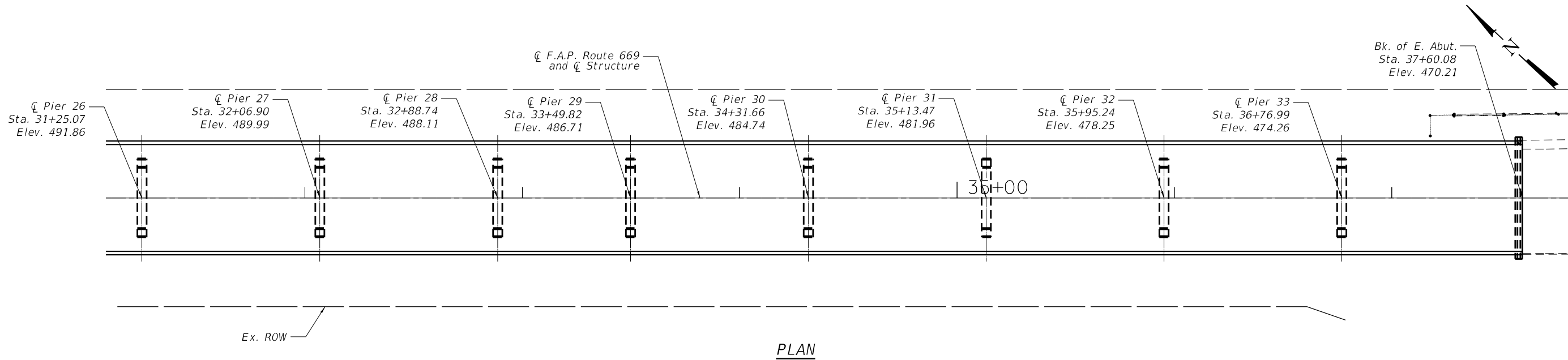
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REPAIR PLAN AND ELEVATION 5  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S8 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	42
				CONTRACT NO. 68G27
				ILLINOIS FED. AID PROJECT

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**ENGINEERS**

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PLOT DATE =	CHECKED - MAH/LDB	REVISED -

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REPAIR PLAN AND ELEVATION 6  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S9 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	43
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

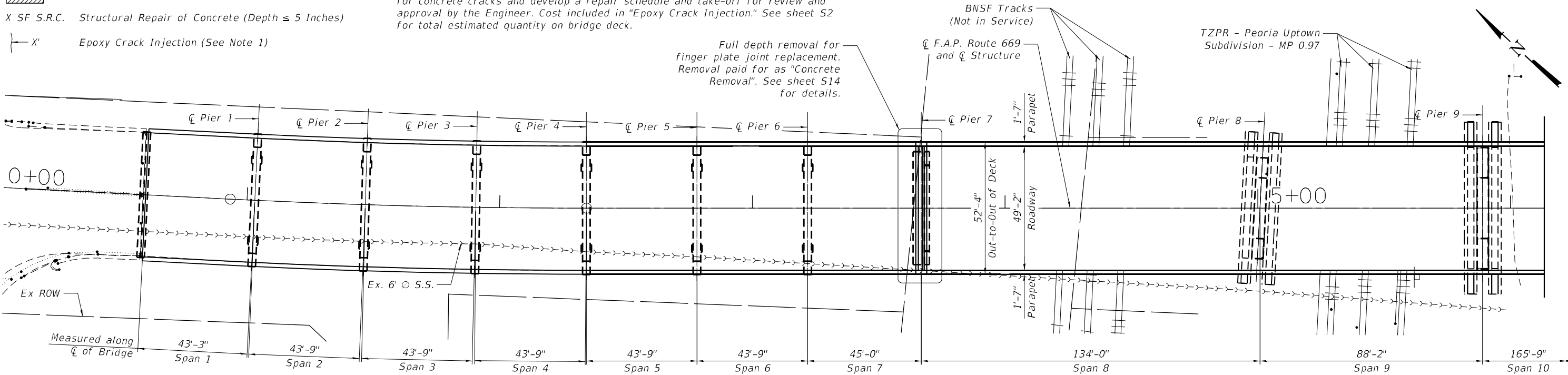
LEGEND

- Deck Slab Repair (Partial)
- X SF S.R.C.    Structural Repair of Concrete (Depth ≤ 5 Inches)
- X'

Epoxy Crack Injection (See Note 1)

NOTES:

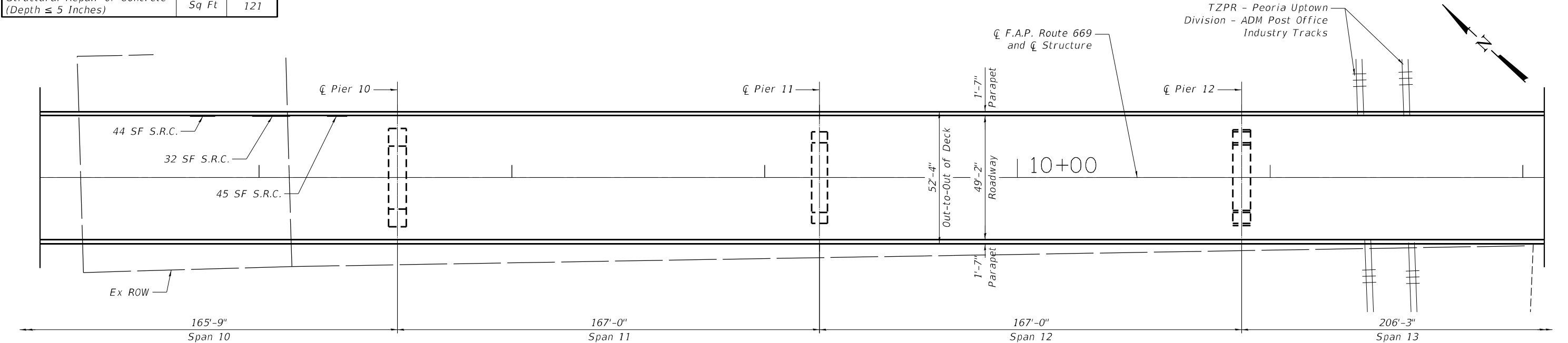
1.    Contractor shall perform an inspection of the existing bridge deck and parapets for concrete cracks and develop a repair schedule and take-off for review and approval by the Engineer. Cost included in "Epoxy Crack Injection." See sheet S2 for total estimated quantity on bridge deck.



PLAN SPANS 1 - 9

BILL OF MATERIAL SPANS 1 - 13

Item	Unit	Total
Structural Repair of Concrete (Depth ≤ 5 Inches)	Sq Ft	121



PLAN SPANS 10 - 13

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**ENGINEERS**

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PLOT DATE =	CHECKED - MAH/LDB	REVISED -

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CONCRETE DECK REPAIR PLAN 1  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S10 OF S60 SHEETS

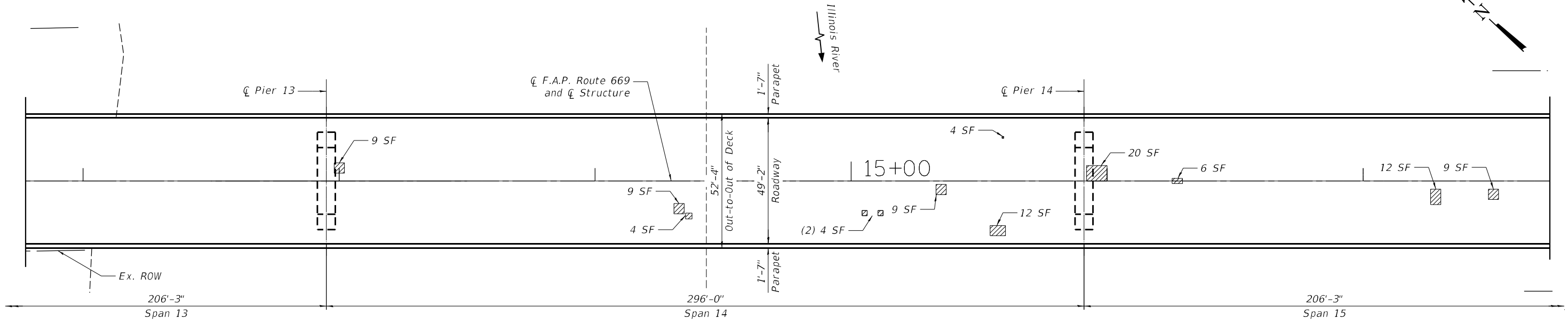
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	44
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				



LEGEND

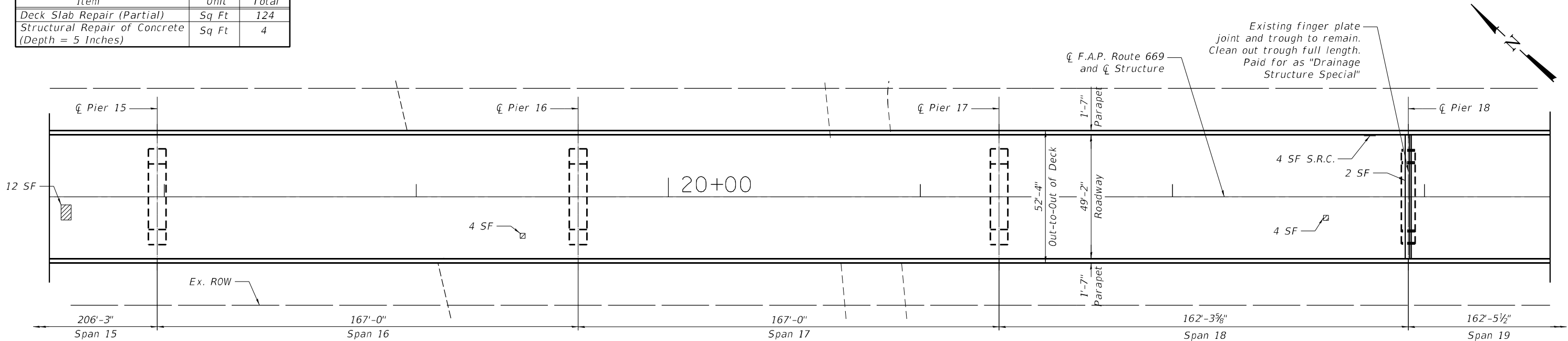
- Deck Slab Repair (Partial)
- X SF S.R.C.

Structural Repair of Concrete (Depth ≤ 5 Inches)



BILL OF MATERIAL SPANS 14 - 18

Item	Unit	Total
Deck Slab Repair (Partial)	Sq Ft	124
Structural Repair of Concrete (Depth = 5 Inches)	Sq Ft	4



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PLOT DATE =	DRAWN - JA	REVISED -
	CHECKED - MAH/LDB	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE DECK REPAIR PLAN 2  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

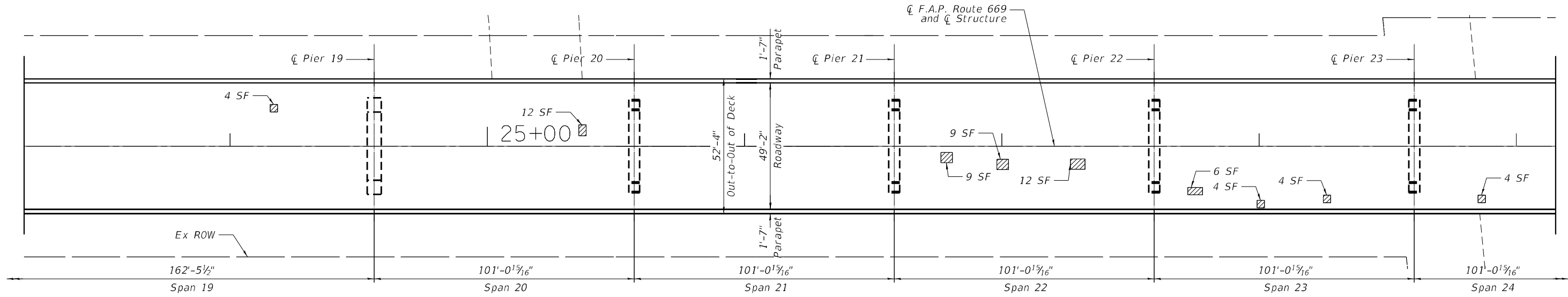
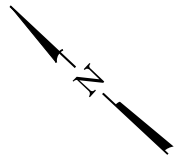
SHEET S11 OF S60 SHEETS

F.A. RTE. 669	SECTION (103-I-8)BR	COUNTY PEORIA/TAZWELL	TOTAL SHEETS 115	SHEET NO. 45
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68G27	

LEGEND

- Deck Slab Repair (Partial)
- X SF S.R.C.

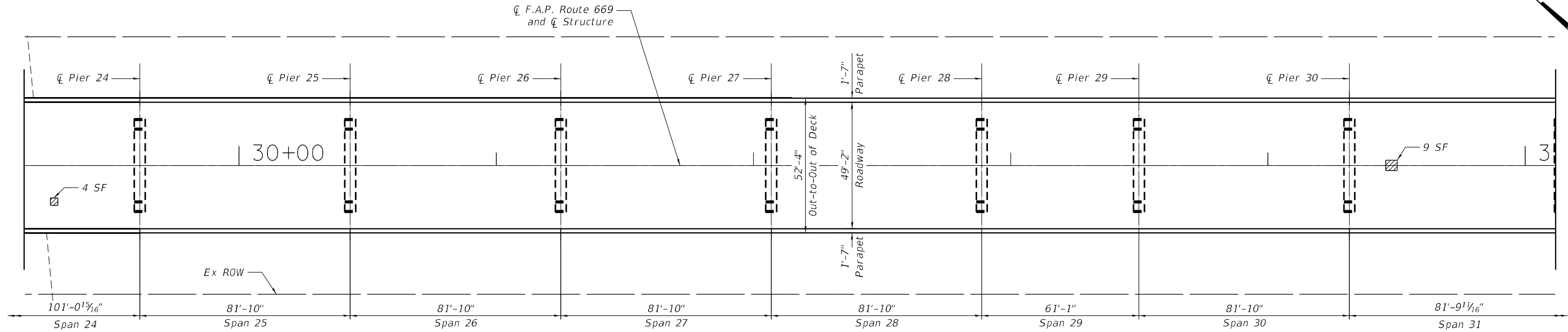
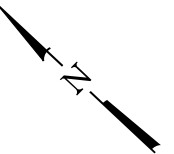
Structural Repair of Concrete (Depth ≤ 5 Inches)



PLAN SPANS 19 - 24

BILL OF MATERIAL SPANS 19 - 31

Item	Unit	Total
Deck Slab Repair (Partial)	Sq Ft	77



PLAN SPANS 24 - 31

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PLOT DATE =	CHECKED - MAH/LDB	REVISED -

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CONCRETE DECK REPAIR PLAN 3  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S12 OF S60 SHEETS

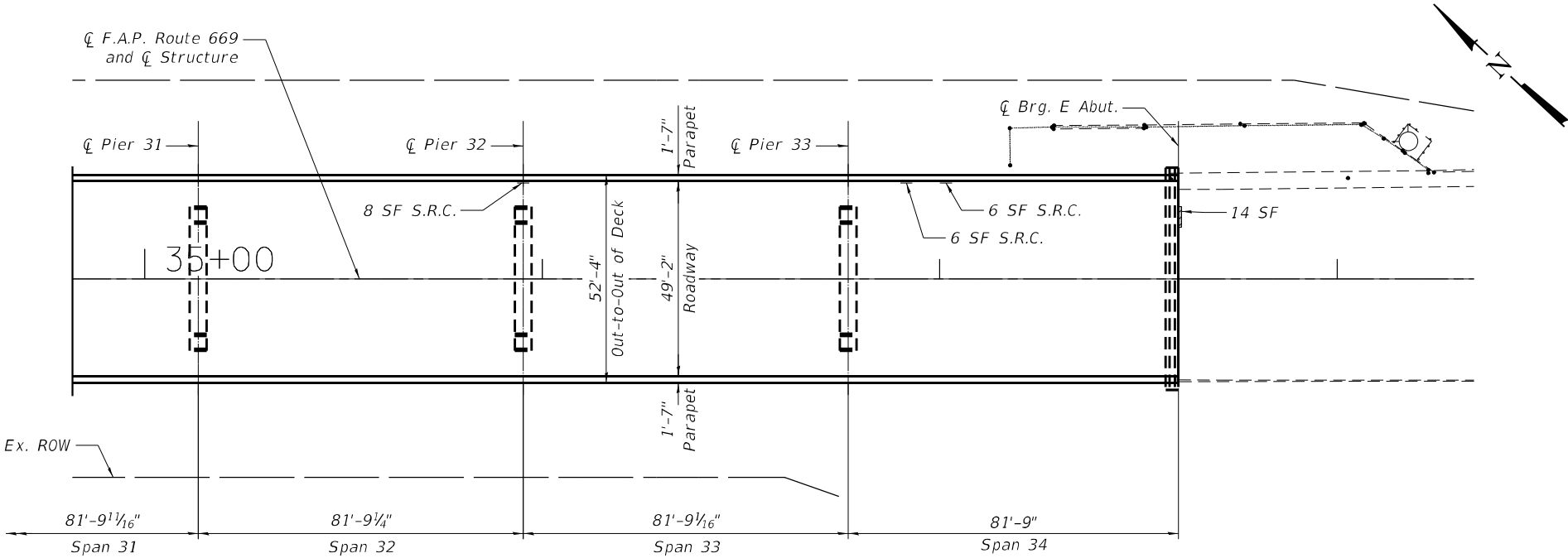
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	46
CONTRACT NO. 68G27				
ILLINOIS		FED. AID PROJECT		

LEGEND

- Deck Slab Repair (Partial)
- X SF S.R.C.    Structural Repair of Concrete (Depth ≤ 5 Inches)

BILL OF MATERIAL SPANS 32 - 34

Item	Unit	Total
Deck Slab Repair (Partial)	Sq Ft	14
Structural Repair of Concrete (Depth <= 5 Inches)	Sq Ft	20



PLAN SPANS 31 - 34

MODEL: Default  
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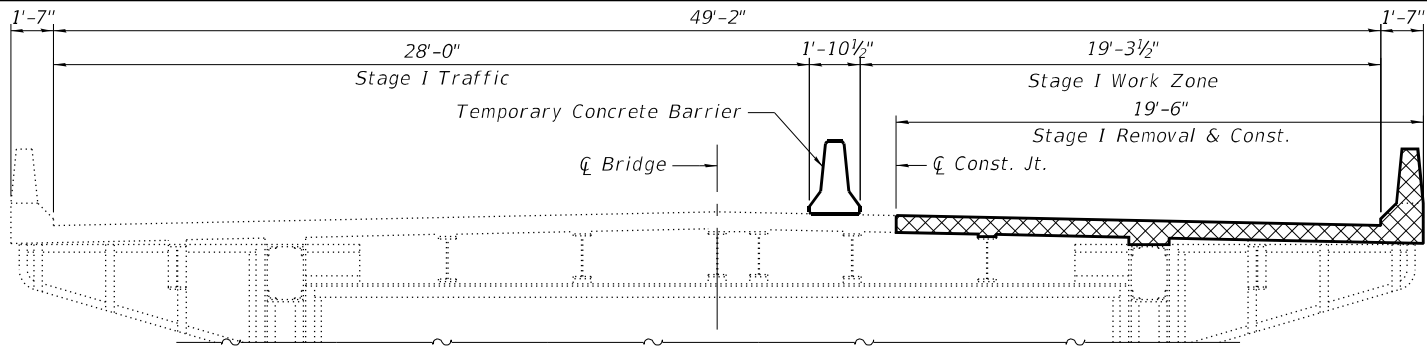
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE DECK REPAIR PLAN 4  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S13 OF S60 SHEETS

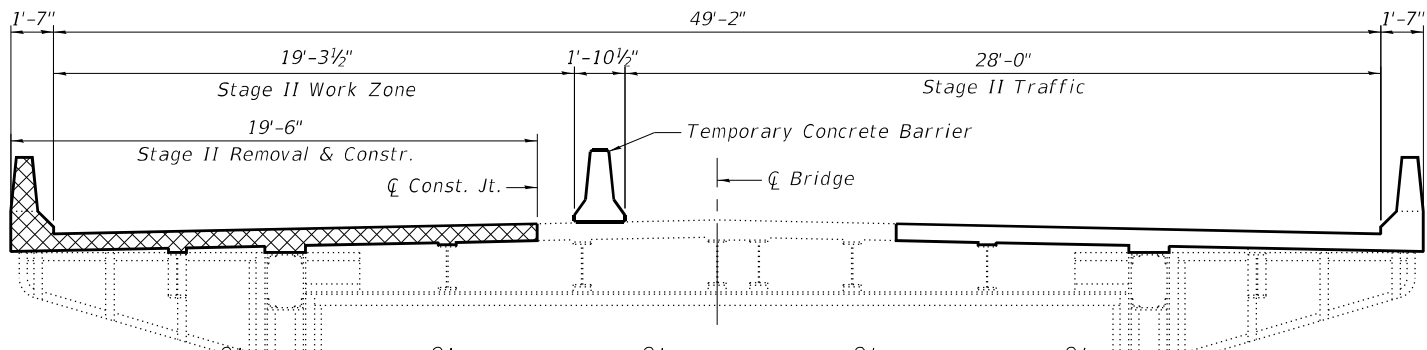
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669	(103-I-8)BR	PEORIA/TAZWELL	115	47
ILLINOIS			CONTRACT NO. 68G27	
			FED. AID PROJECT	

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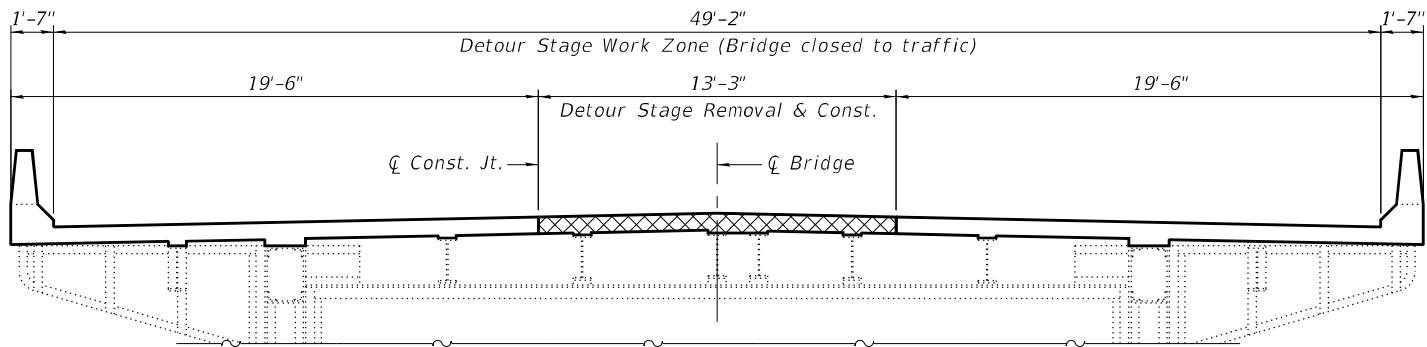
ELEVATION - STAGE I

(Looking East)



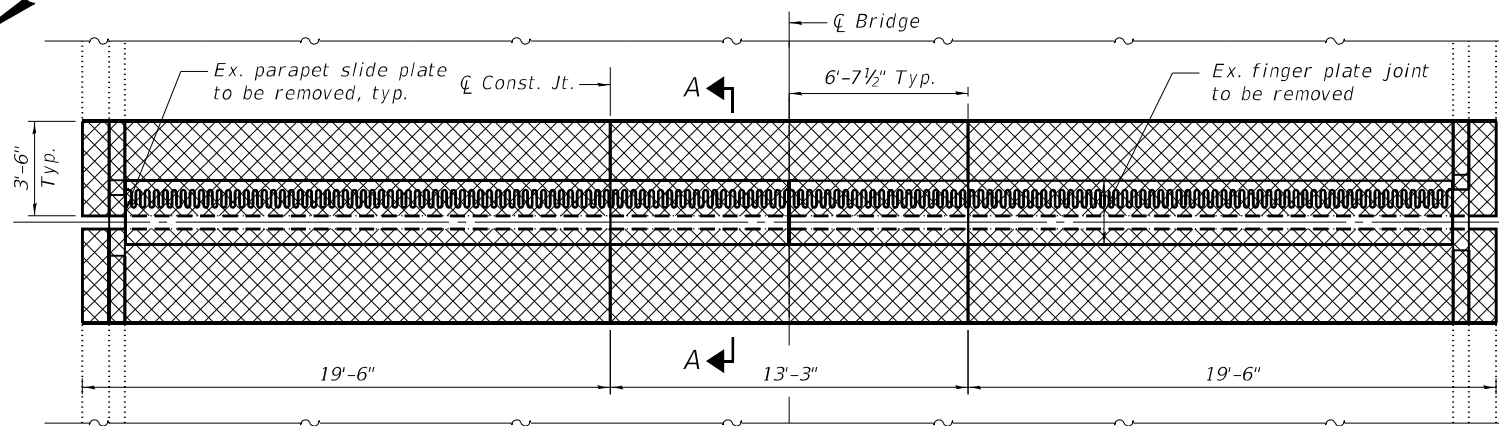
ELEVATION - STAGE II

(Looking East)

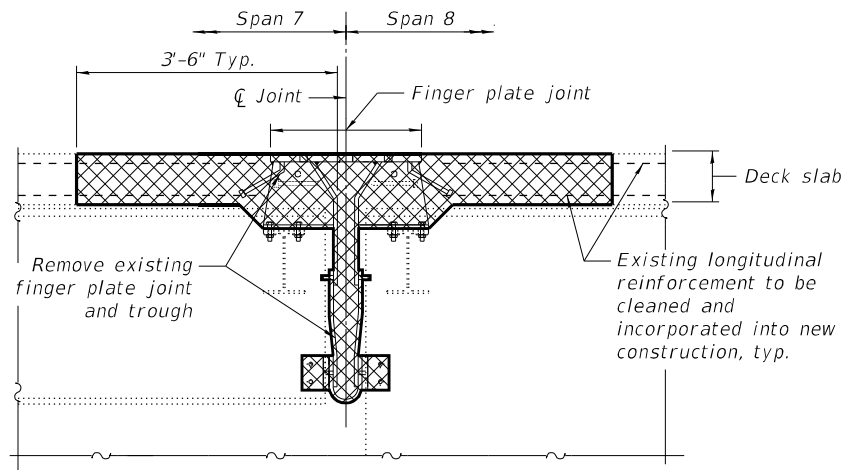


ELEVATION - BRIDGE CLOSURE

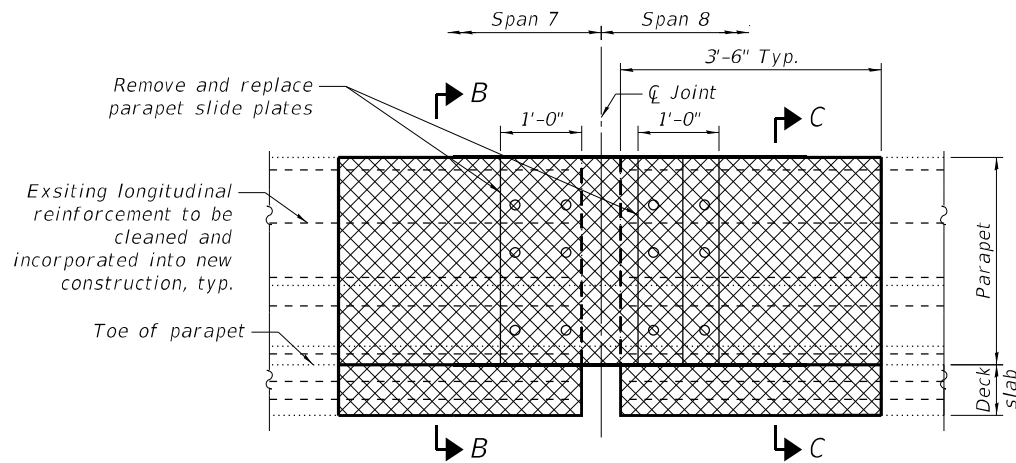
(Looking East)



PLAN

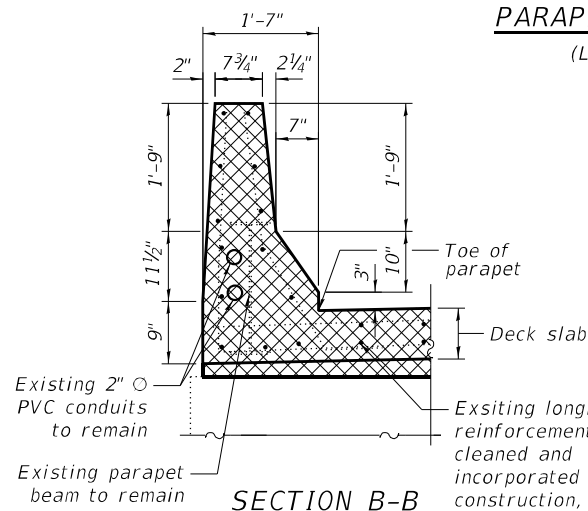


SECTION A-A



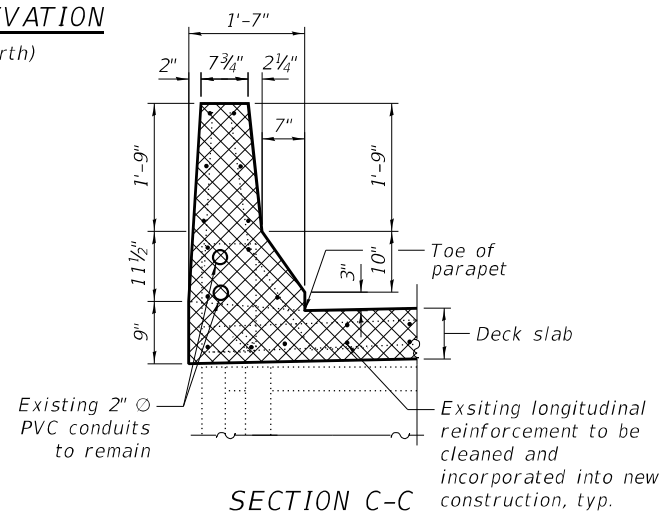
PARAPET ELEVATION

(Looking North)



SECTION B-B

(SPAN 7)



SECTION C-C

(SPAN 8)

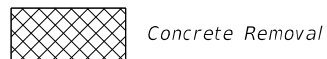
BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu. Yd.	15

NOTES:

- Removal of existing finger plate joint assembly including stools, troughs and parapet slide plates shall be included in the price of "Concrete Removal".
- Existing reinforcement shall be cleaned and incorporated into new construction. Cost included in "Concrete Removal".
- The existing parapets have embedded 2" O PVC lighting conduits. Contractor shall take care not to damage the conduit or expansion coupling at the expansion joint.

LEGEND



Concrete Removal

**COLLINS**  
**ENGINEERS**

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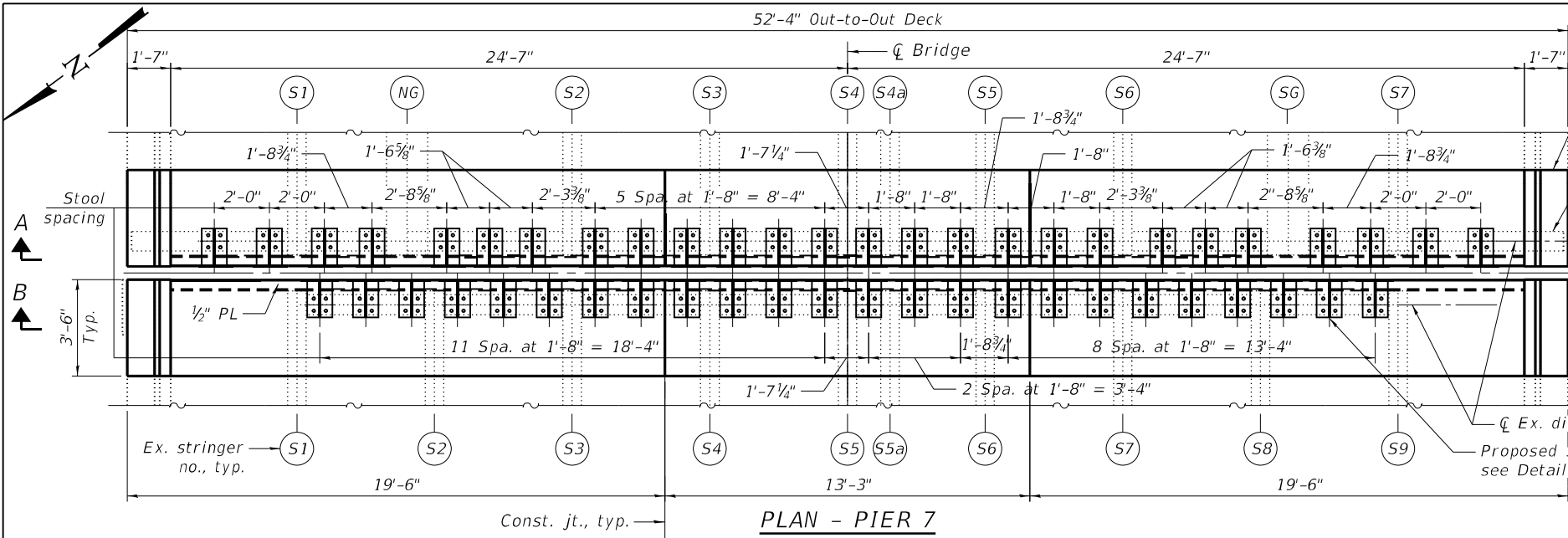
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BRIDGE JOINT CONCRETE REMOVALS - PIER 7  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

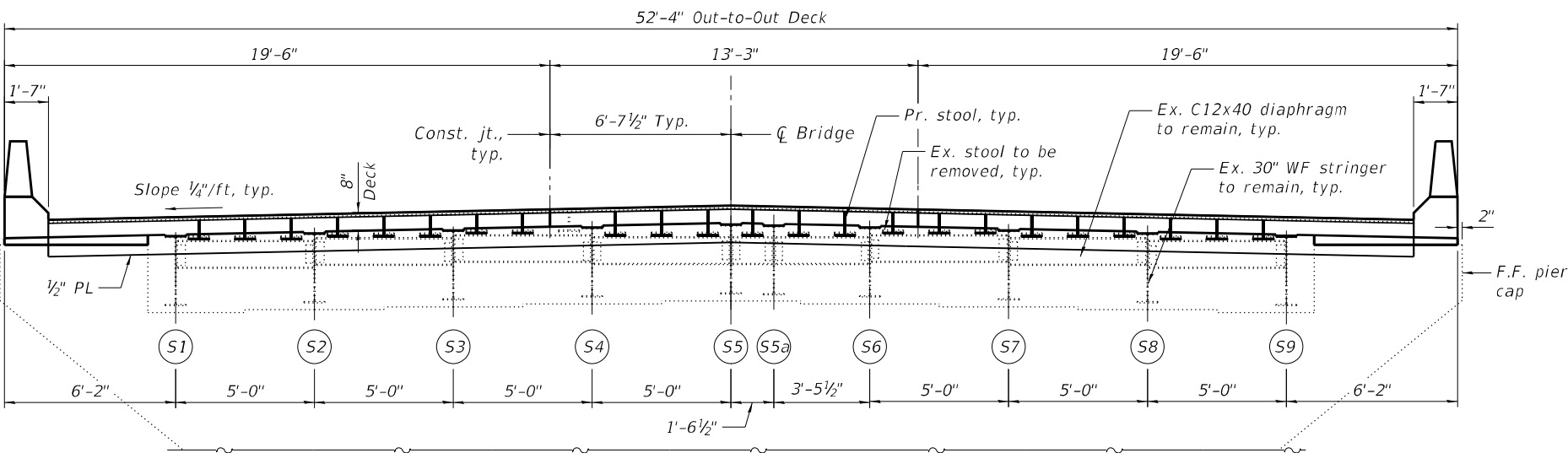
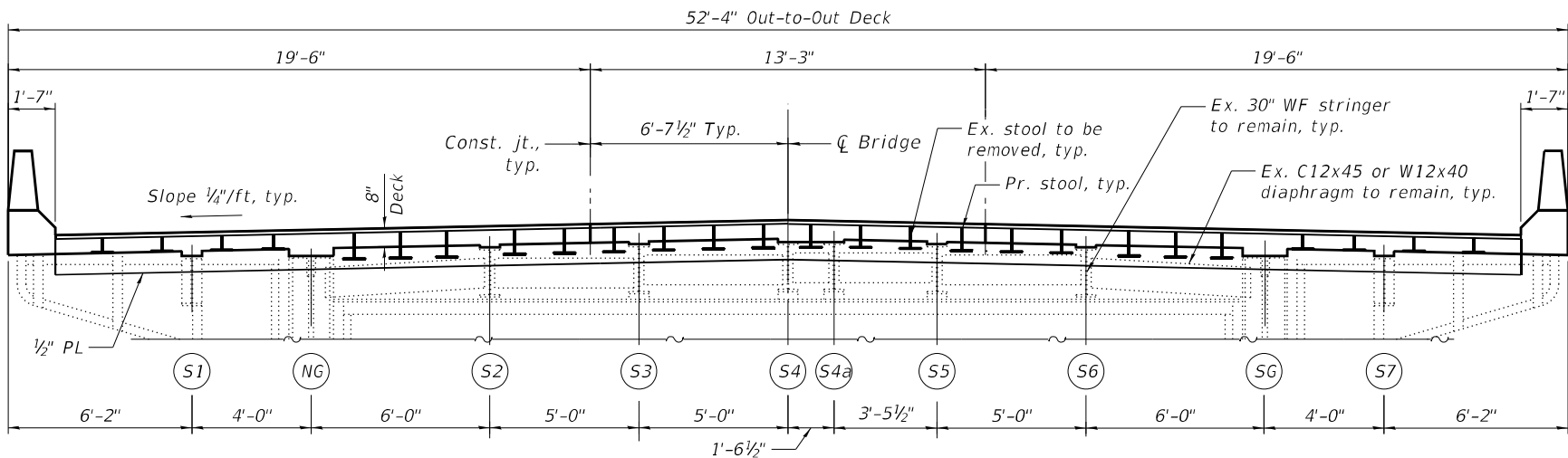
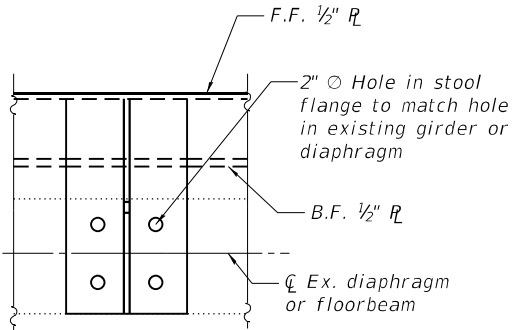
SHEET S14 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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BILL OF MATERIAL		
Item	Unit	Total
Finger Plate Expansion Joint, 5"	FOOT	50



- NOTES:
- The total length contributing to thermal expansion from the nearest points of fixity from Pier 6 to Pier 10 is 432'-11".
  - Proposed stool spacing matches existing stool spacing.
  - The structural steel plate of the barrier sliding plate shall assemblies shall conform to the requirements of AASHTO M270 Grade 50, and hot-dipped galvanized according to AASHTO M11 after fabrication.
  - Countersunk bolts shall be in accordance with ASTM A307, Grade A.
  - Countersunk bolts and concrete inserts shall be hot-dipped galvanized according to AASHTO M232.
  - Cost for furnishing and installing barrier sliding plate assemblies shall be included in the cost of "Finger Plate Expansion Joint, 5".
  - Apply anti-seize compound to all countersunk bolts and anchors in parapet embedded plate.
  - AASHTO M270 Grade 50 (CVN) steel shall be used for the fingers plates and attachments.
  - The contractor shall furnish steel shim plates including 1/2" shim, two 1/4" shims, one 1/8" shim, and one 1/16" shim for height adjustments at each stool location. Payment of these items is included in the cost of "Finger Plate Expansion Joint, 5".
  - Tapered shims shall be added under the stools as required by the Engineer to make a smooth finger joint. Cost shall be included in the cost of "Furnishing and Erecting Structural Steel".
  - "CVN" denotes Charpy V-Notch impact energy requirements, Zone 2.
  - Finger plate expansion joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.
  - All steel components of the expansion joints hardware assembled with the trough system shall be galvanized after fabrication according to Section 520.03 of the Standard Specifications, unless otherwise noted.

**COLLINS ENGINEERS**

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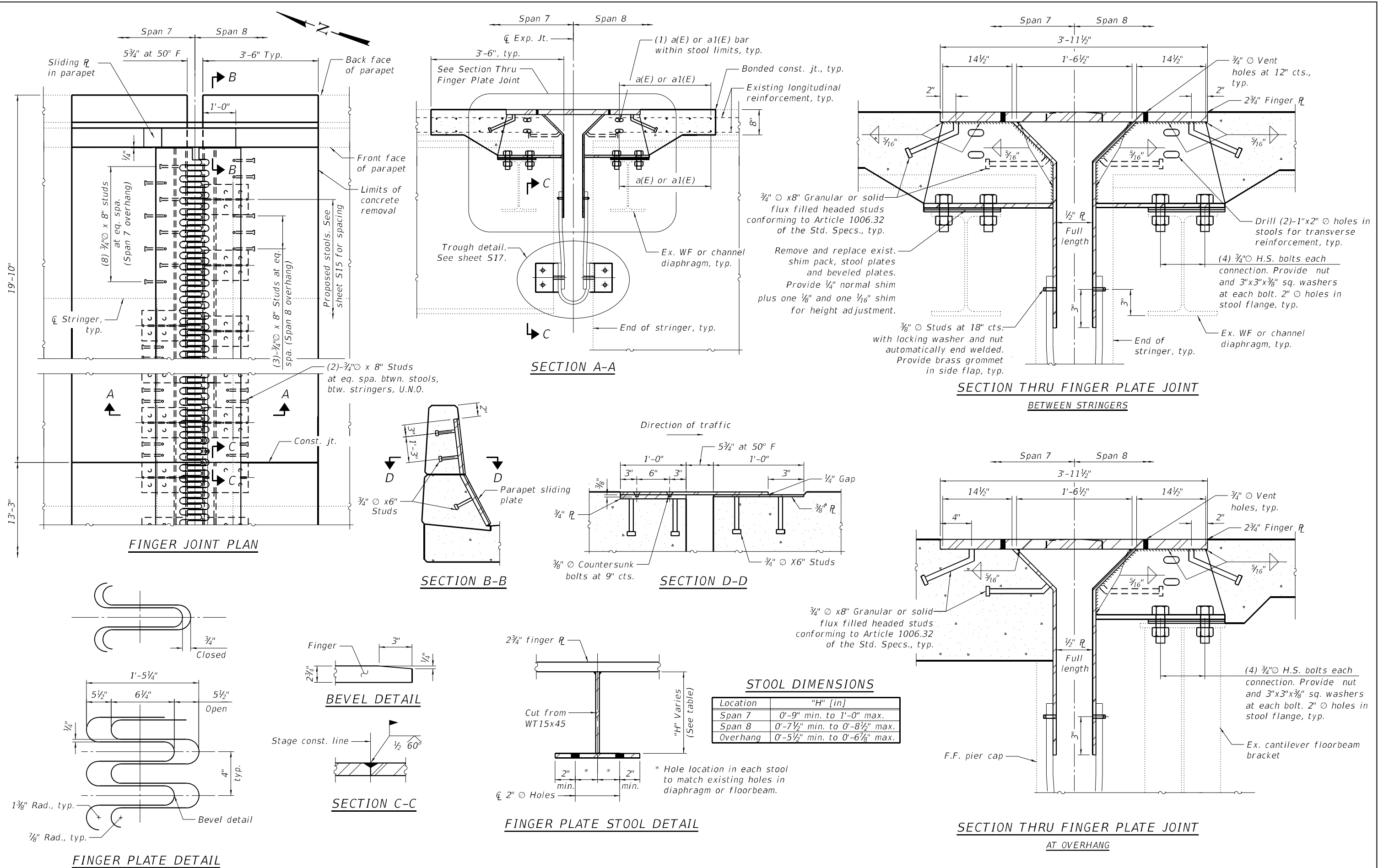
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FINGER PLATE JOINT REPLACEMENT DETAILS - PIER 7  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S15 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	49
				CONTRACT NO. 68G27
				ILLINOIS FED. AID PROJECT

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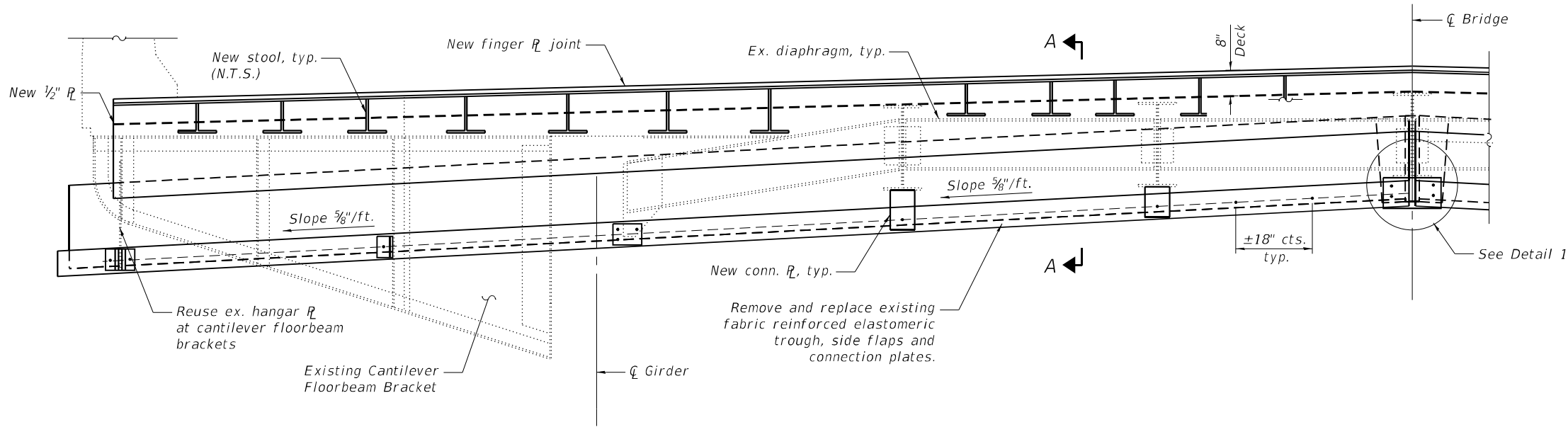
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FINGER PLATE JOINT REPLACEMENT DETAILS - PIER 7  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

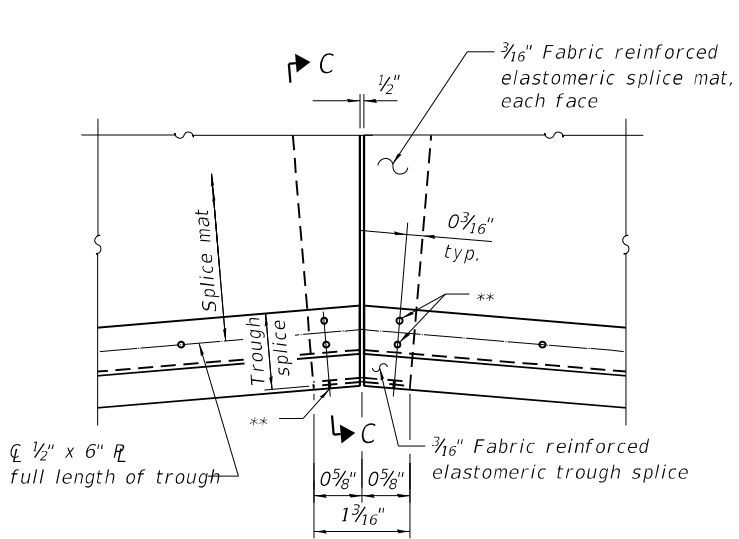
SHEET S16 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

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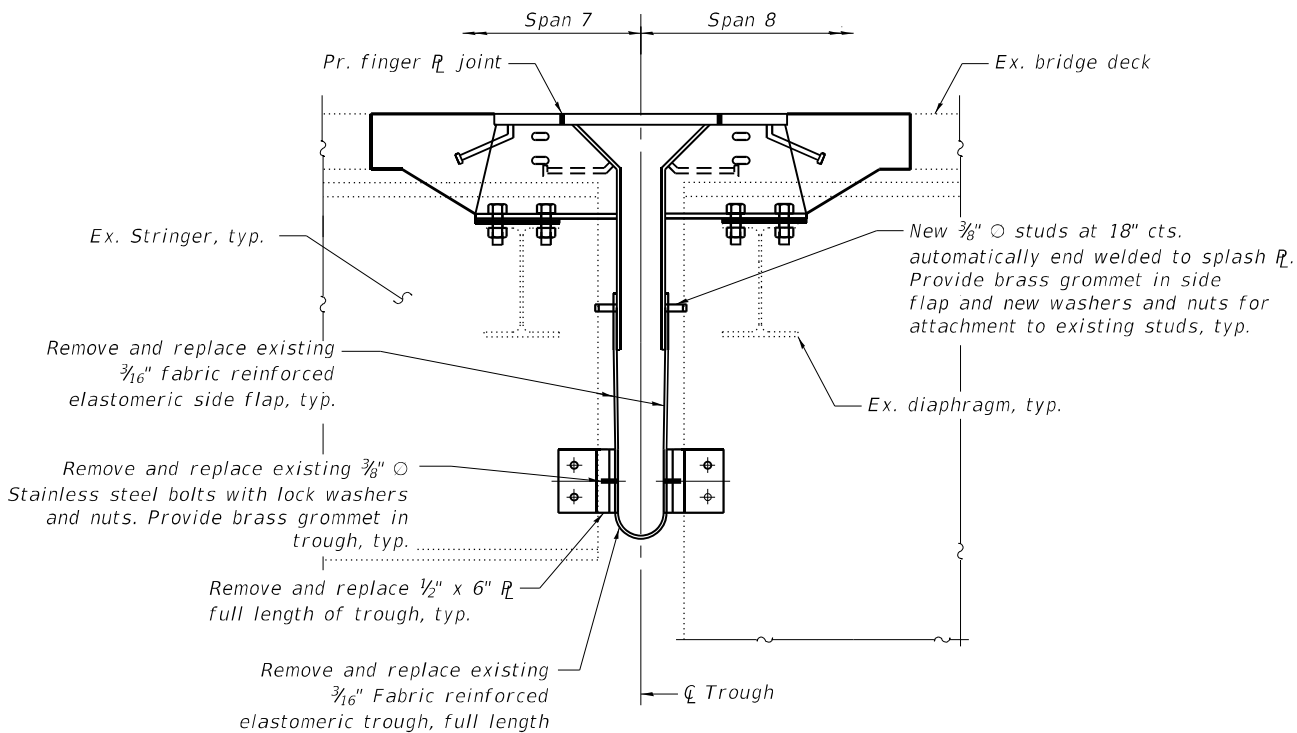


HALF ELEVATION - PIER 7 TROUGH

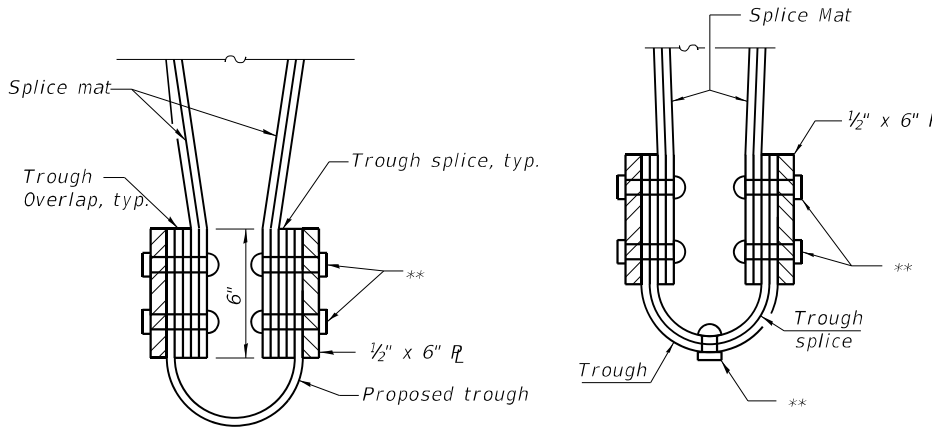


DETAIL 1

\*\* 3/8"  $\varnothing$  Stainless Steel bolts with washers and nuts. Provide brass grommet in trough.



SECTION A-A



SECTION B-B

SECTION C-C

BILL OF MATERIAL

Item	Unit	Total
Fabric Reinforced Elastomeric Trough	Foot	53

NOTES

- Fabric reinforced material for trough and side flap shall be in accordance with Section 520 of the Standard Specifications.
- All new steel shall be hot dipped galvanized in accordance with Section 520.04 of the Standard Specifications.
- Cost for fasteners and plates required to complete the work shall be included with the cost for Fabric Reinforced Elastomeric Trough.
- Cost to remove existing trough shall be included with the cost for Fabric Reinforced Elastomeric Trough.
- All the bolts required to connect the elastomeric trough to the existing floorsystem shall be located in existing holes.

**COLLINS**  
**ENGINEERS**

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FINGER PLATE JOINT REPLACEMENT DETAILS – PIER 7  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S17 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	51
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				



PHOTO NO. 1

Broken Hanger



PHOTO NO. 2

Broken Drain Pipe



PHOTO NO. 3

Missing Drain Clean-out Cap



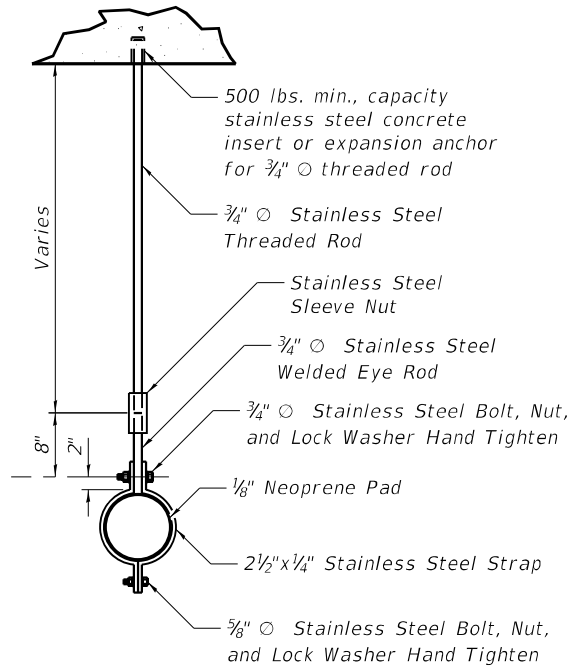
PHOTO NO. 4

Drain Pipes Clogged Below Deck



PHOTO NO. 5

Broken Drain Pipe with Rusty Hole



PIPE HANGER DETAIL

DRAINAGE STRUCTURE REPAIR SCHEDULE

Photo No.	NBIS Inspection Deficiency Item No.	Item	Location	Repair Action
1	40	Drain Pipe	Span 11: L2N - L3N at Midpoint Panel 2, North Side	Broken Hanger
2	161	Drain Pipe	Span 16: North Side Panel Point 1	Broken Drain Pipe
3	353	Drain Pipe	Span 24: West Face Pier 24	Missing Drain Clean-Out Cap
4	354	Drain Pipe	Spans 27, 28, 29: North Drains	Drain Pipes Clogged Below Deck
5	253	Drain Pipe	Span 30: 15 Feet East of Pier 29	Broken Drain Pipe with Rusty Hole

NOTES:

- Contractor shall perform an inspection of existing drain pipes for missing or broken hanger, broken drainpipes, missing drain clean-out caps, and clogged drainpipes/scuppers and develop a repair schedule and take-off for review and approval by the Engineer. Cost included in "Bridge Drainage System Repair".
- Each individual location of repair shall be paid as "Bridge Drainage System Repair".
- The entire bridge deck drainage system including scuppers, drain piping, and finger plate joint drainage shall be cleaned. Cost included in "Cleaning Drainage System".

BILL OF MATERIAL

Item	Unit	Total
Bridge Drainage System Repair	EACH	5
Cleaning Drainage System	L SUM	1

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**COLLINS**  
**ENGINEERS**

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	CHECKED - MAH/LDB	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

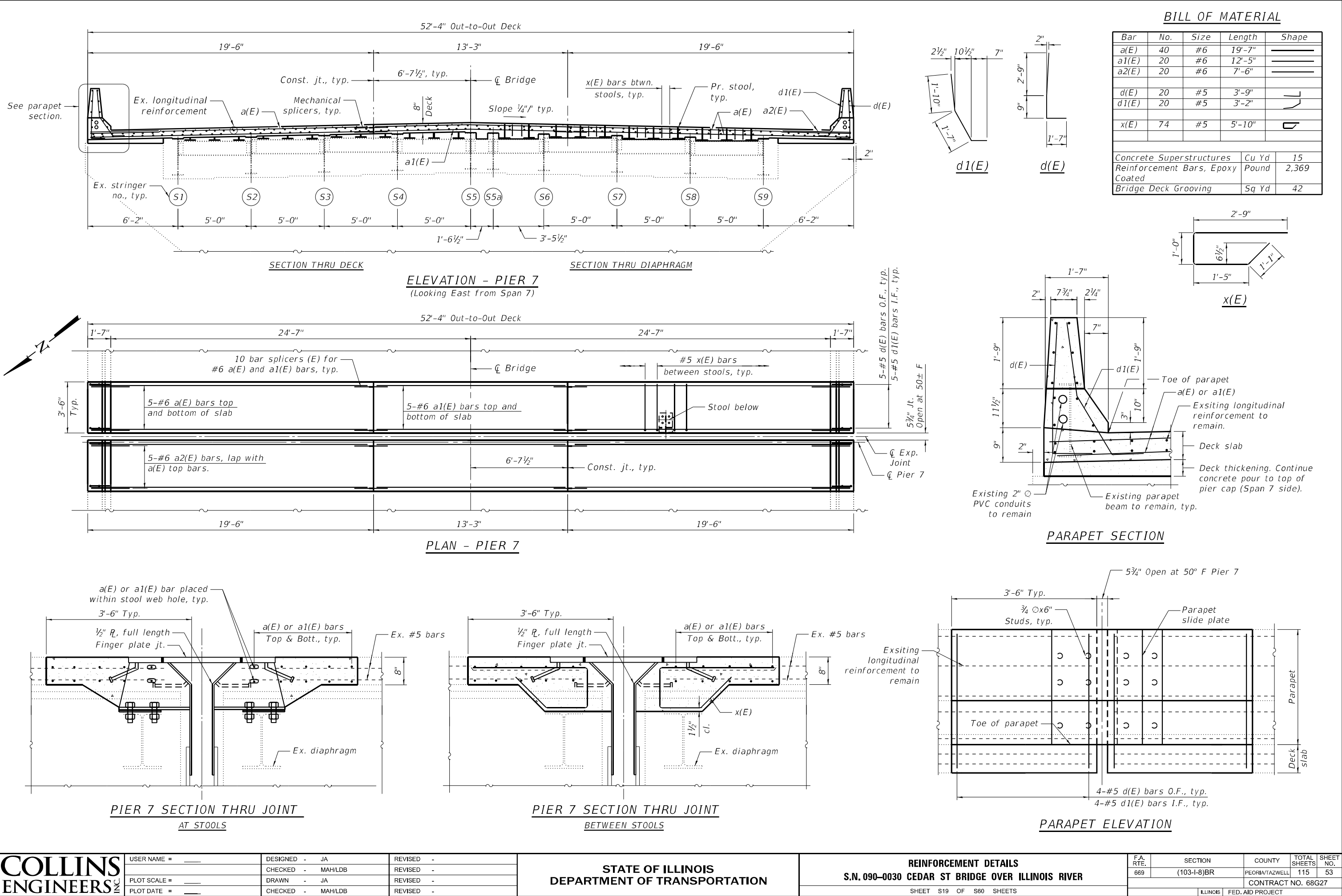
DRAINAGE STRUCTURE SYSTEM REPAIR  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S18 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	52
				CONTRACT NO. 68G27
				ILLINOIS FED. AID PROJECT



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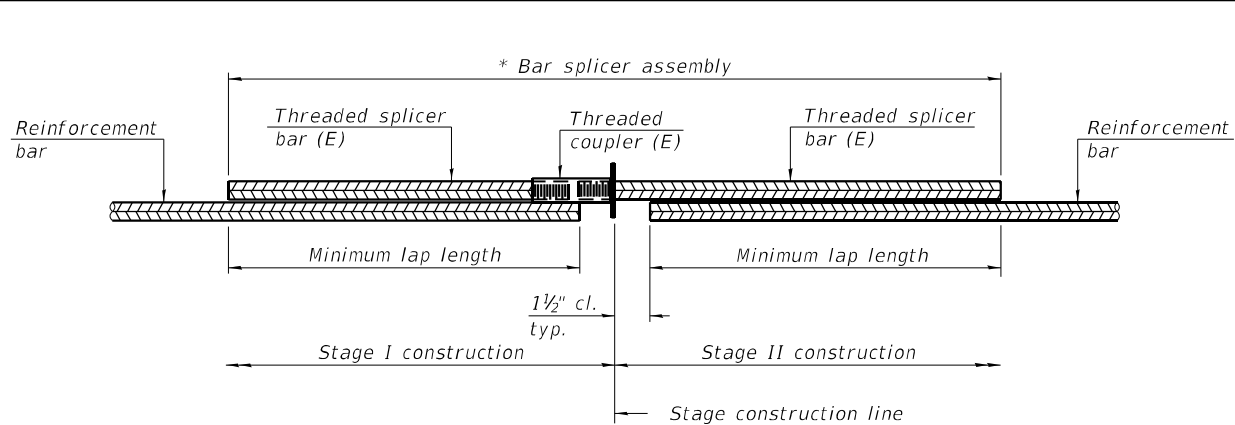
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REINFORCEMENT DETAILS  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S19 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/AZ/WELL	115	53
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

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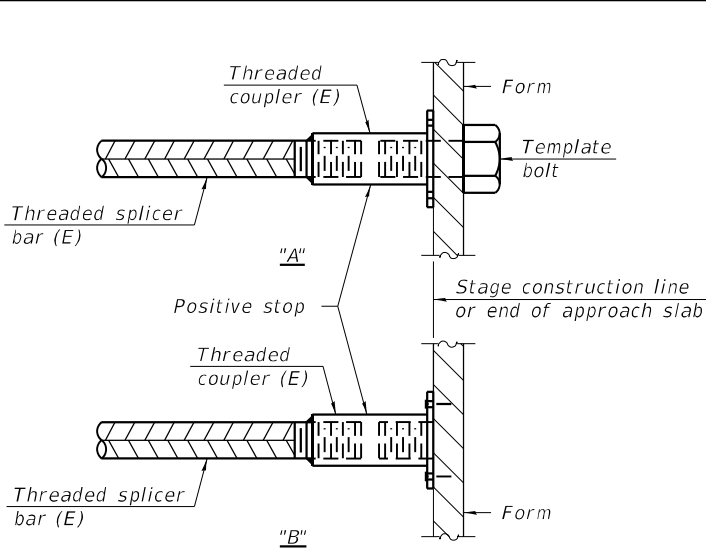
**STANDARD BAR SPLICER ASSEMBLY PLAN**

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

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

Location	Bar size	No. assemblies required	Minimum lap length
Superstructure	#6	40	3'-7"

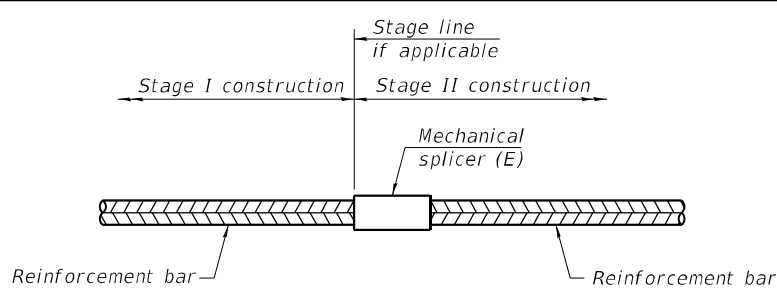


**INSTALLATION AND SETTING METHODS**

"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

2-1-2023

**COLLINS**  
**ENGINEERS**

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PLOT SCALE = _____	DRAWN - JA	REVISED -
PLOT DATE = _____	CHECKED - MAH/LDB	REVISED -

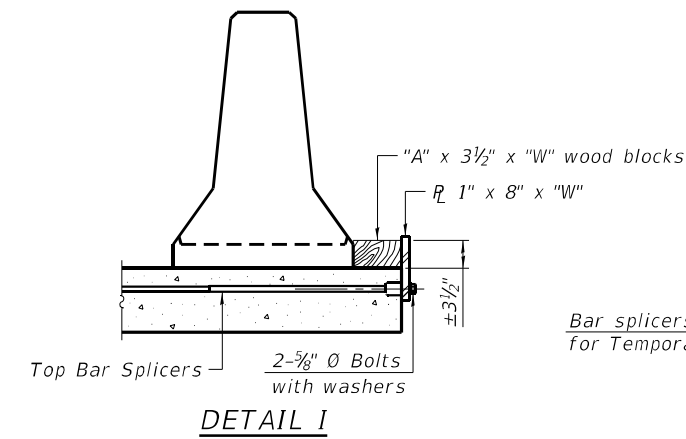
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

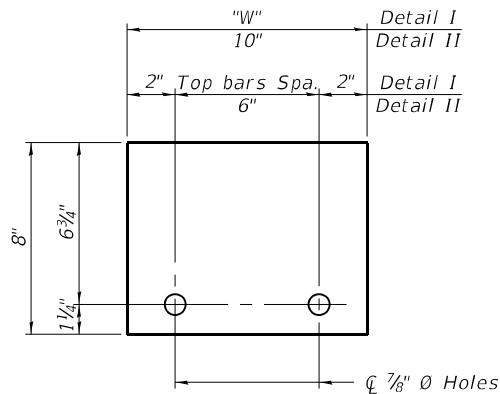
SHEET S20 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 68G27		
ILLINOIS		FED. AID PROJECT		

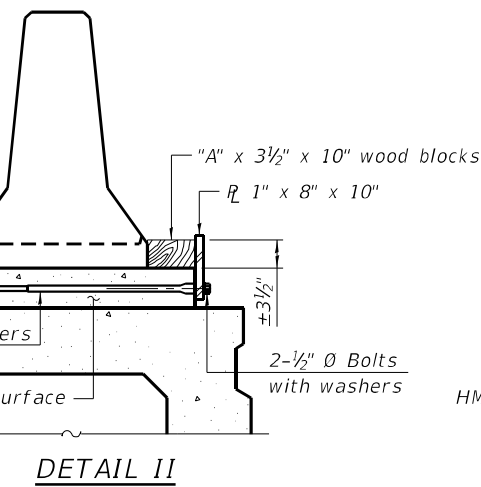
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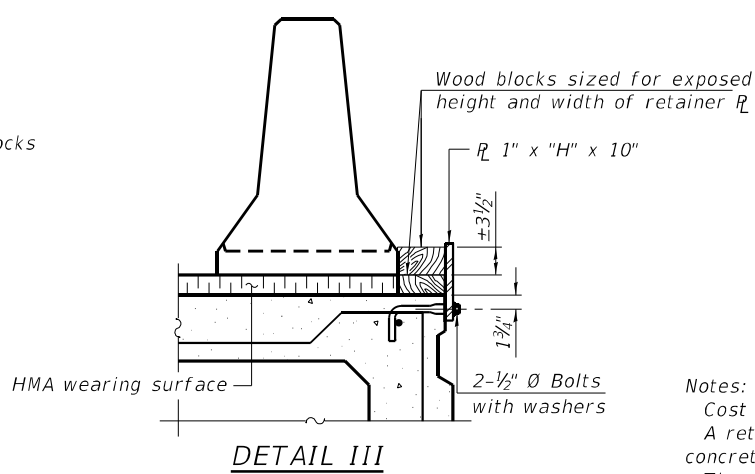
Bar splicers and additional splicers  
for Temporary Concrete Barrier



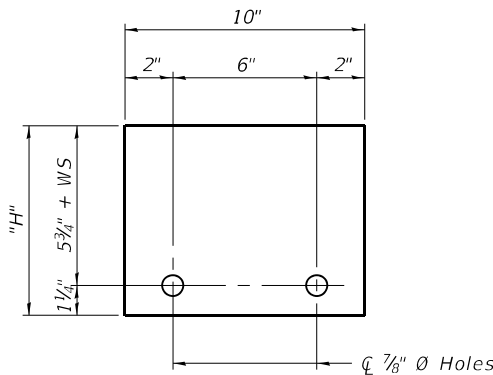
STEEL RETAINER  $R$  1" x 8" x "W"  
(Detail I and II)



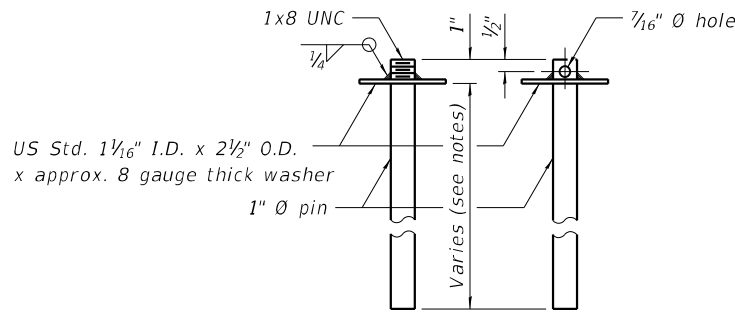
DETAIL II



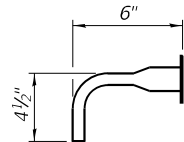
DETAIL III



STEEL RETAINER  $R$  1" x "H" x 10"  
(Detail III)



RESTRAINING PIN



BAR SPLICER FOR #4 BAR - DETAIL III

Notes:  
Cost of retainer assembly is included with Temporary Concrete Barrier.  
A retainer assembly shall be located at the approximate  $\frac{1}{2}$  of each temporary concrete barrier.  
The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.  
When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6' to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.  
Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.  
Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

R-27

10-12-2021

**COLLINS**  
**ENGINEERS**

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	CHECKED - MAH/LDB	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S21 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	55
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

GUSSET REPAIR GENERAL NOTES

Repair plates, fill plates, pin plates, and angles may require field adjustment to fit actual as-built conditions. Cost included in Structural Steel Repair.

Repair plates have been sized to provide 1½" minimum edge distance, unless otherwise noted, per available existing plan information. Dimensions shall be field verified to confirm minimum edge distance is met.

Bolt layout depicted is approximate. Bolts shall satisfy AASHTO sealing, stitching, and edge distance requirements. If the number of fasteners provided is different than the number depicted on the plan details, the layout shall be submitted to the Engineer for approval prior to installation.

The as-designed repair details do not require temporary support for floorbeams and structural bracing members. If additional fasteners need to be removed beyond those shown, the Contractor shall submit a procedure for review and approval by the Engineer. If necessary, the Contractor shall provide temporary support for floorbeams and/or structural bracing members due to the additional fastener removal. Cost shall be included in Structural Steel Repair.

Trimming of repair plates, fill plates, and angles to accommodate existing fasteners not used in the repair shall occur by saw cutting or grinding. Minimum radius of 1" shall be maintained. Flame-cutting is not permitted. All cut edges shall be ground smooth to an ANSI 250 Finish.

Walkway, drainage and any other miscellaneous attachments to the gusset plates shall be removed, temporarily supported, modified to fit the repaired condition, and reinstalled after gusset plate repairs have been completed. Installation methods shall be approved by the Engineer. Cost of removal, supporting, trimming, and reinstalling all members necessary to complete the work as shown in the plans shall be included in Structural Steel Repair.

Sealant shall be compatible with the proposed paint system and shall be submitted to the Engineer for approval prior to use (see project general notes, Sheet S2 of S60). See Sealant Detail on this sheet. All costs associated with the installation of the sealant shall be included in Structural Steel Repair.

Depending on the condition of existing structural steel, steel reinforced epoxy putty, compatible with structural steel and proposed paint system, shall be used to address variations in existing material thickness to promote a flush plating repair free of voids which could allow water infiltration. See Epoxy Putty Detail on this sheet.

Gaps between the existing and new steel angles and/or plates, as well as abandoned holes to be covdred by new steel plates and/or angles, shal be sealed with an approved polyurethane sealant. The sealant shall be compatible with the proposed paint system.

Unless indicated otherwise, cleaning and painting of contact surfaces shall meet the requirements for primary connections as specified in the special provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures."

GUSSET REPAIR PROCEDURES

Provided the Contractor complies with the load restrictions assumed during design (see Gusset Repair Load Restrictions section of this sheet), there is no limit to the number of joints that can be simultaneously repaired.

The Contractor will be allowed to remove rivets and replace with temporary high-strength bolts in advance of repair plate and/or angle installation. Flame cutting for rivet removal is not permitted.

Contractor shall install repair plates, fill plates, and angles one at a time, on the inside gusset plate, followed by the installation of the repair plates, one at a time, on the outside gusset plate.

For each repair plate or angle, the Contractor may remove all rivets to be replaced at the same time to facilitate fit-up and match-marking of holes.

The Contractor shall complete the installation of individual plates or angles at the end of each day. The completion of the installation of all plates and angles within a truss joint at the end of each day is not required.

Upon completion of repairs and coating touch-up, joint sealant shall be installed along perimeter of plys between existing steel and the new steel angles and/or plates per the detail provided and as directed by the Engineer, see Sealant Detail on this sheet.

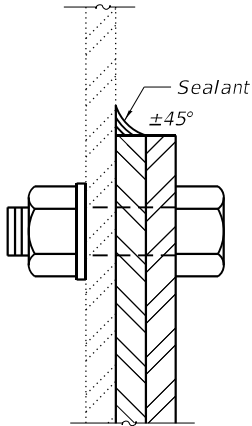
GUSSET REPAIR LOAD RESTRICTIONS

During gusset repairs, vehicular live load shall be restricted to the two lanes farthest from the gusset plate.

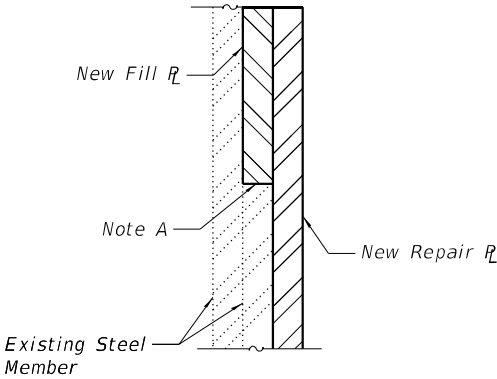
Construction loading assumed for design consisted of the temporary concrete barrier and a construction load of 20 psf. The 20 psf construction load was positioned or applied in order to maximize the load for each individual truss member.

As-designed load capacity ratings for the as-repaired condition considered the construction loads as locked-in stresses for the original material. Note that vehicular live load stresses from the far two lanes were not considered locked-in due to the transitory nature of this loading.

The Contractor shall confirm that the combined weight of construction vehicles, equipment, work platforms and stockpiled materials comply with the noted design assumptions at all times during gusset plate repairs. The Contractor shall submit construction weights and sequencing to the Engineer for approval.



SEALANT DETAIL



EPOXY PUTYY DETAIL

REPAIR IDENTIFIER LEGEND

BFRBP	BEAM FLANGE REPAIR BENT PLATE
BFRP	BEAM FLANGE REPAIR PLATE
BL	BRACING ANGLE
BWRBP	BEAM WEB REPAIR BENT PLATE
BWRP	BEAM WEB REPAIR PLATE
CFBFP	CANTILEVER FLOORBEAM BRACKET FILL PLATE
CFBRP	CANTILEVER FLOORBEAM BRACKET REPAIR PLATE
FBFP	FLOORBEAM FILL PLATE
FBFRP	FLOORBEAM FLANGE REPAIR PLATE
FBFSP	FLOORBEAM FLANGE SHIM PACK
FBRL	FLOORBEAM REPAIR ANGLE
FBWFP	FLOORBEAM WEB FILL PLATE
FBWRP	FLOORBEAM WEB REPAIR PLATE
GBSRL	GIRDER BEARING STIFFENER REPAIR ANGLE
GFP	GUSSET FILL PLATE
GRL	GUSSET REPAIR ANGLE
GRP	GUSSET REPAIR PLATE
GSFP	GUSSET SPLICE FILL PLATE
GSRP	GUSSET SPLICE REPAIR PLATE
HCSFP	HORIZONTAL CHORD SPLICE FILL PLATE
HCSRP	HORIZONTAL CHORD SPLICE REPAIR PLATE
LB	LACING BAR
LCP	LATERAL CONNECTION PLATE
LCRP	LOWER CHORD REPAIR PLATE
LSRP	LATERAL STRUT REPAIR PLATE
SBP	STRINGER BENT PLATE
SFP	STRINGER FILL PLATE
SRP	STRINGER REPAIR PLATE
UCFP	UPPER CHORD FILL PLATE
UCRL	UPPER CHORD REPAIR ANGLE
VCFP	VERTICAL CHORD FILL PLATE
VCRL	VERTICAL CHORD REPAIR ANGLE
VCRP	VERTICAL CHORD REPAIR PLATE

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USER NAME =	abbas.kazan	DESIGNED -	CMT	REVISED -	
		CHECKED -	ASK	REVISED -	
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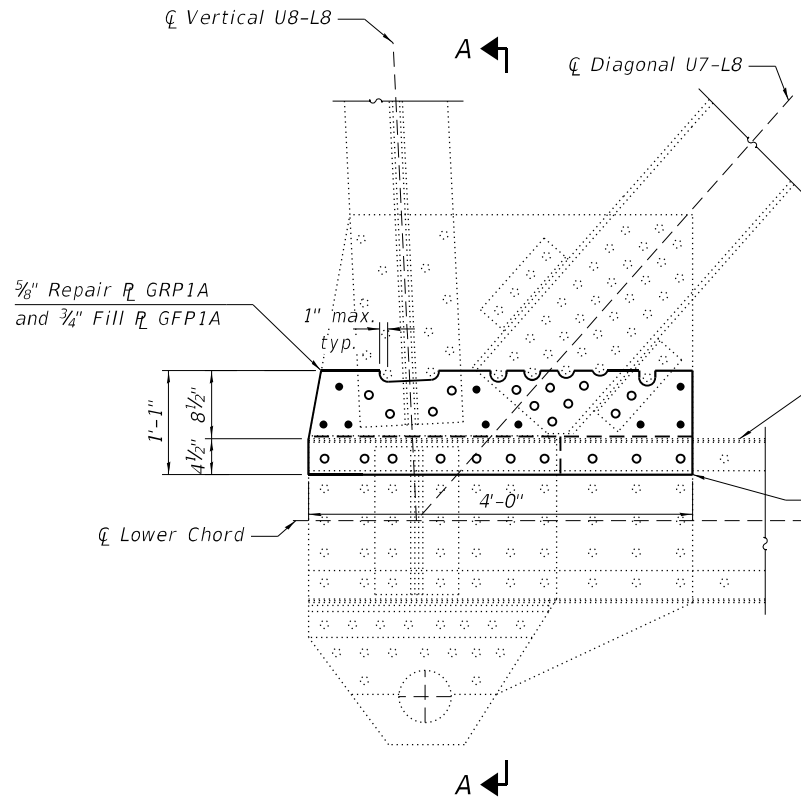
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GUSSET PLATE REPAIR NOTES  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

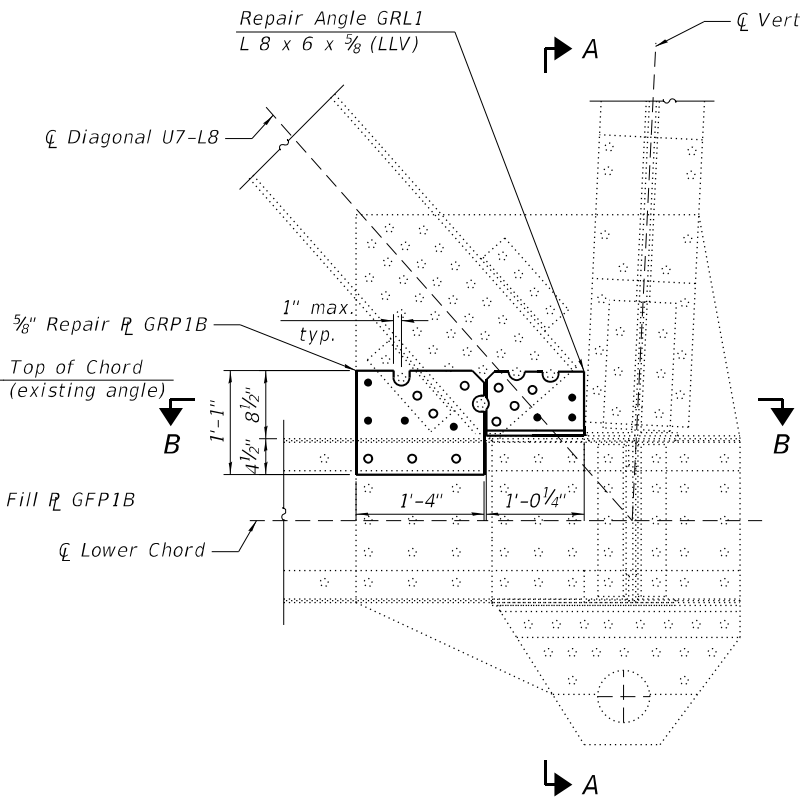
SHEET 522 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/AZWELL	115	56
			CONTRACT NO. 68G27	
		ILLINOIS	FED. AID PROJECT	

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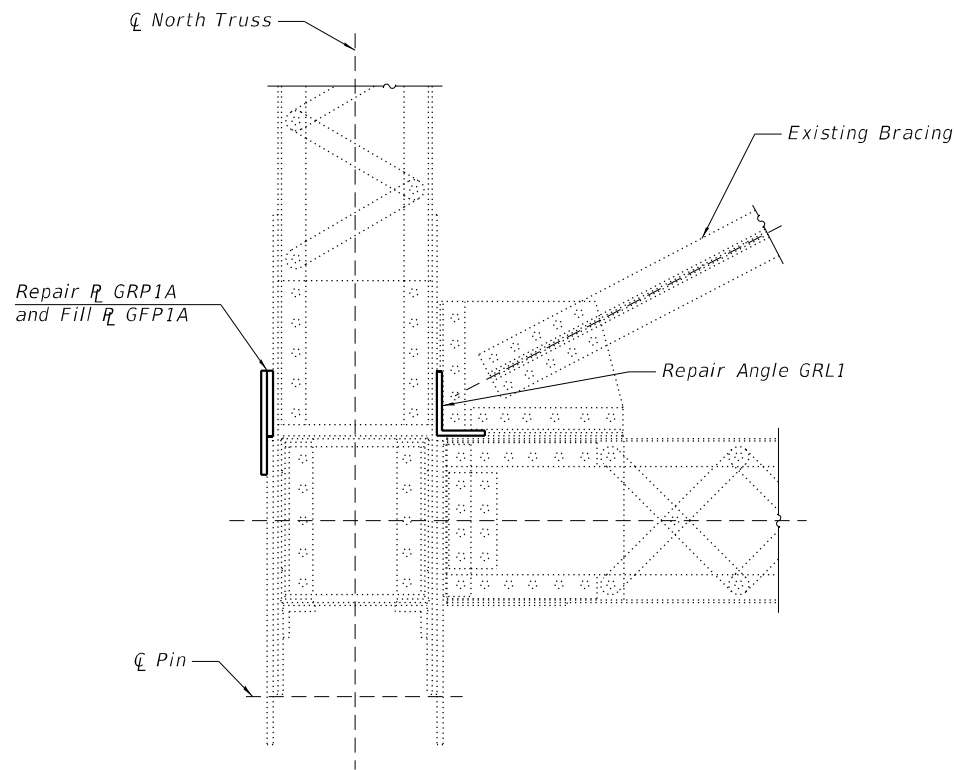


OUTSIDE ELEVATION

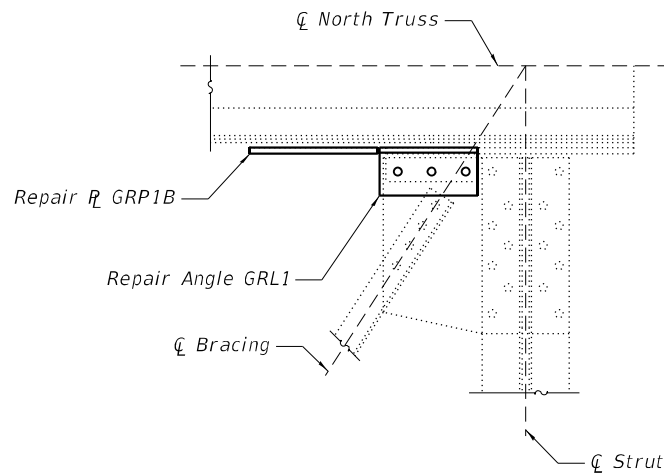


INSIDE ELEVATION

Field cut/cope new materials to accommodate existing fasteners not used in repair, as required.



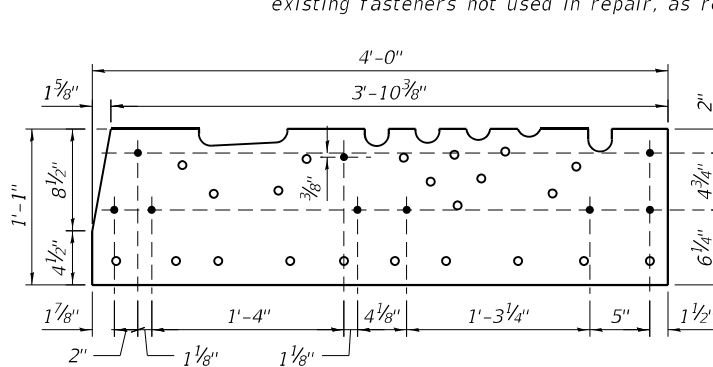
SECTION A-A



SECTION B-B

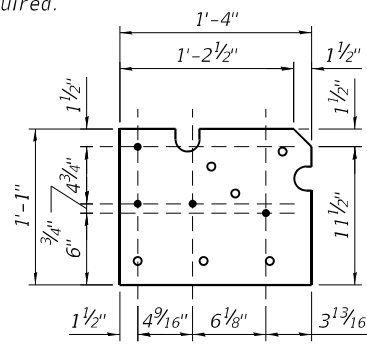
REPAIR LOCATIONS

NBIS Deficiency No.	Span	Joint	Truss	Inner R	Outer R
193	17	L8	North	1	1



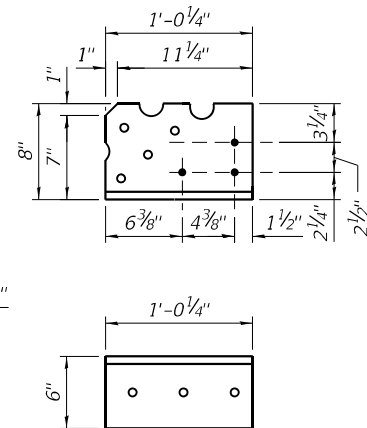
REPAIR R GRP1A

R 5/8" x 1'-1" x 4'-0"  
(1 required)



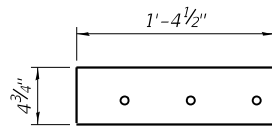
REPAIR R GRP1B

R 5/8" x 1'-1" x 1'-4"  
(1 required)



REPAIR ANGLE GRL1

L8x6x5/8 x 1'-0 1/4"  
(1 required)



FILL R GFP1B

R 3/4" x 4 3/4" x 1'-4 1/2"  
(1 required)

LEGEND

- Existing fastener to remain
- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	310
Structural Steel Removal	Pound	30

Notes:  
The Contractor shall field verify existing conditions, including gusset plates, connection plates, connection angles, miscellaneous steel and layout of the fastener holes prior to ordering new materials.  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

TYLin

USER NAME =	chris.trolani	DESIGNED -	CMT	REVISED -	
CHECKED -	ASK	REVISED -			
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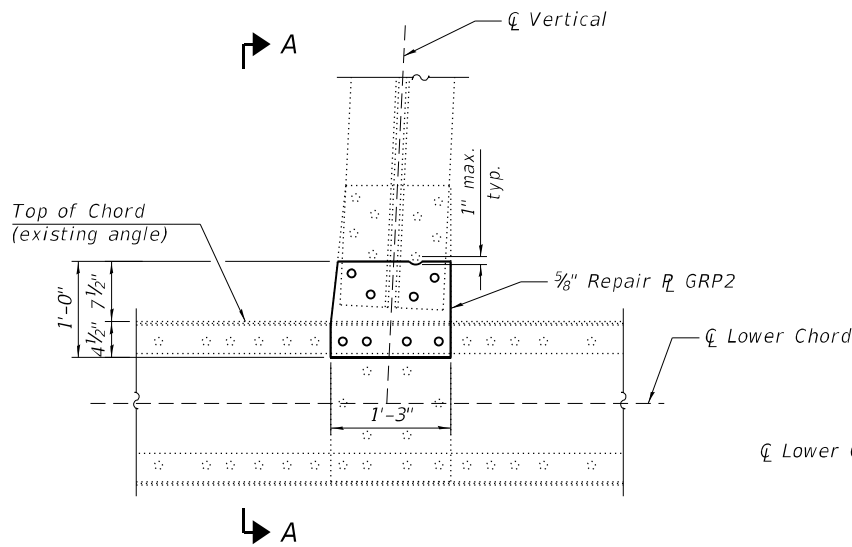
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GUSSET PLATE REPAIRS - 1  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

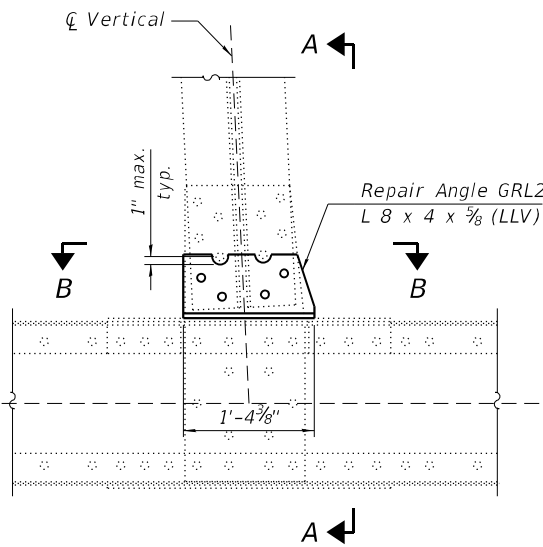
SHEET S23 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103B-4)D	PEORIA/TAZWELL	115	57
CONTRACT NO. 68G27				
ILLINOIS				FED. AID PROJECT

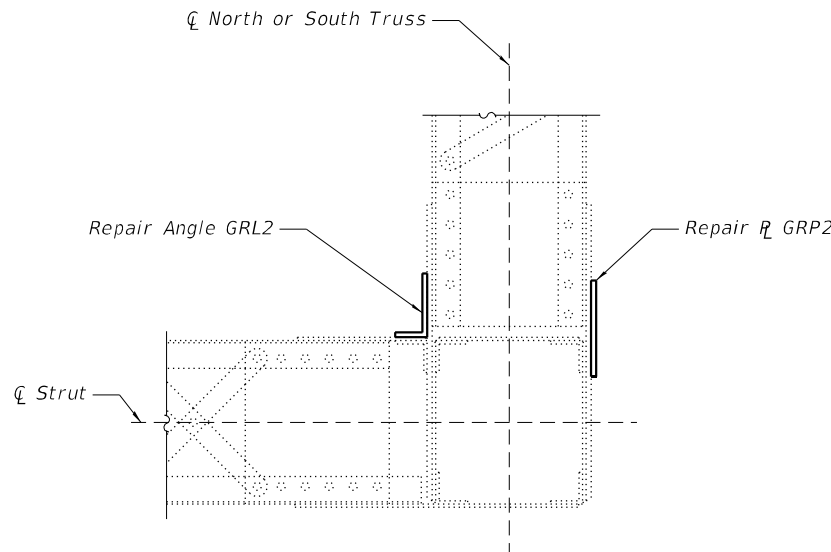
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OUTSIDE ELEVATION



INSIDE ELEVATION

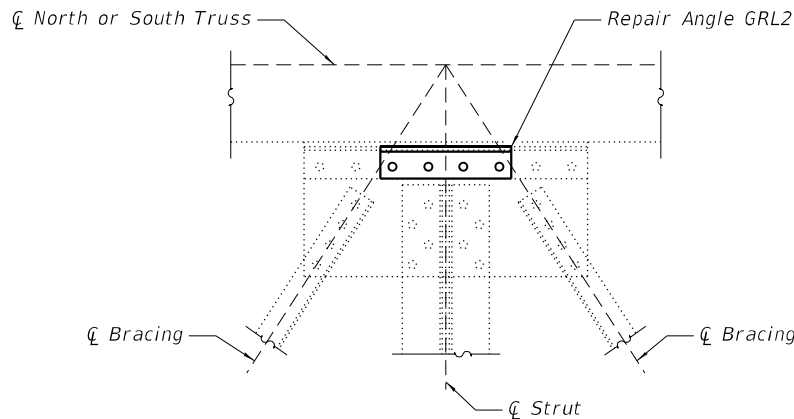


SECTION A-A

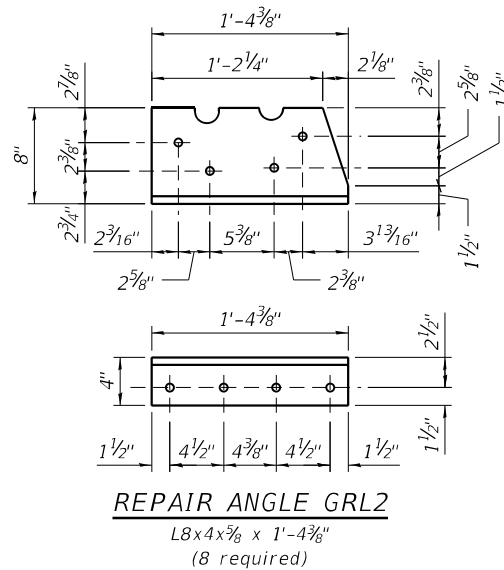
GUSSET PLATE L1 AND L7

GUSSET PLATE L3 AND L5

Field cut/cope new materials to accommodate existing fasteners not used in repair, as required.

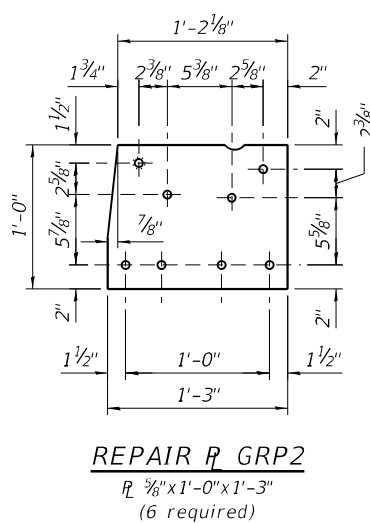


SECTION B-B



REPAIR ANGLE GRL2

L8x4x5/8 x 1'-4 3/8"  
(8 required)



REPAIR R GRP2

R 5/8"x1'-0"x1'-3"  
(6 required)

LEGEND

- Existing fastener to remain
- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	510
Structural Steel Removal	Pound	90

Notes:  
The Contractor shall field verify existing conditions, including gusset plates, connection plates, connection angles, miscellaneous steel and layout of the fastener holes prior to ordering new materials.  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

NBIS Deficiency No.	Span	Joint	Truss	Inner R	Outer R
341	10	L3	South	1	N/A
22	10	L1	North	1	1
511	10	L1	South	1	N/A
286	11	L3	South	N/A*	1
47	11	L5	North	N/A*	1
290	11	L7	North	1	N/A
297	12	L1	South	N/A	1

\*For reference, a repair was incorporated at the specified location during a previous repair of the bridge.

NBIS Deficiency No.	Span	Joint	Truss	Inner R	Outer R
296	12	L1	North	N/A*	1
298	12	L3	North	1	1
299	12	L5	North	1	N/A
300	12	L5	South	1	N/A*
179	17	L1	North	1	N/A

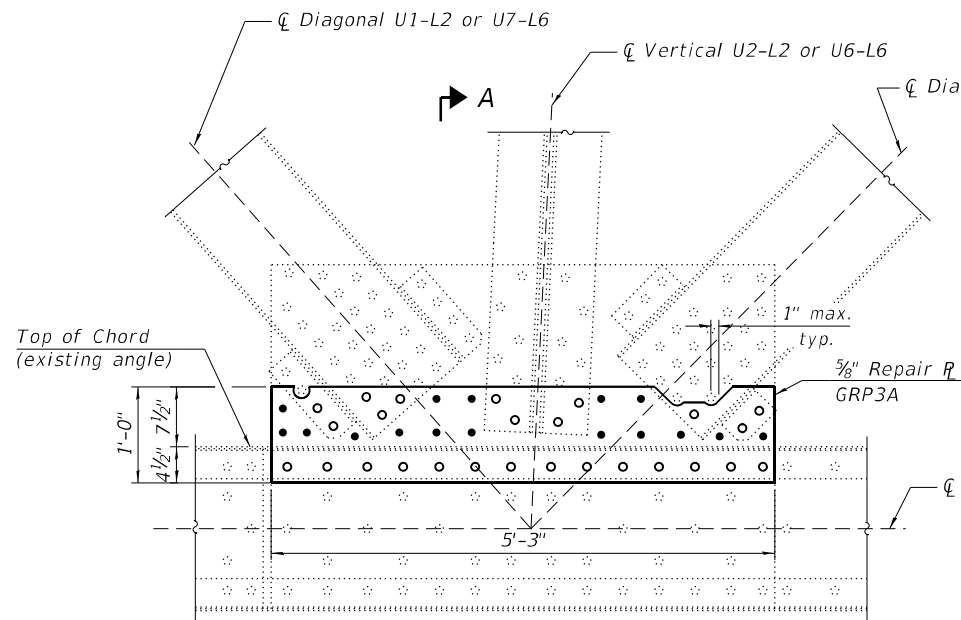
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GUSSET PLATE REPAIRS - 2  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

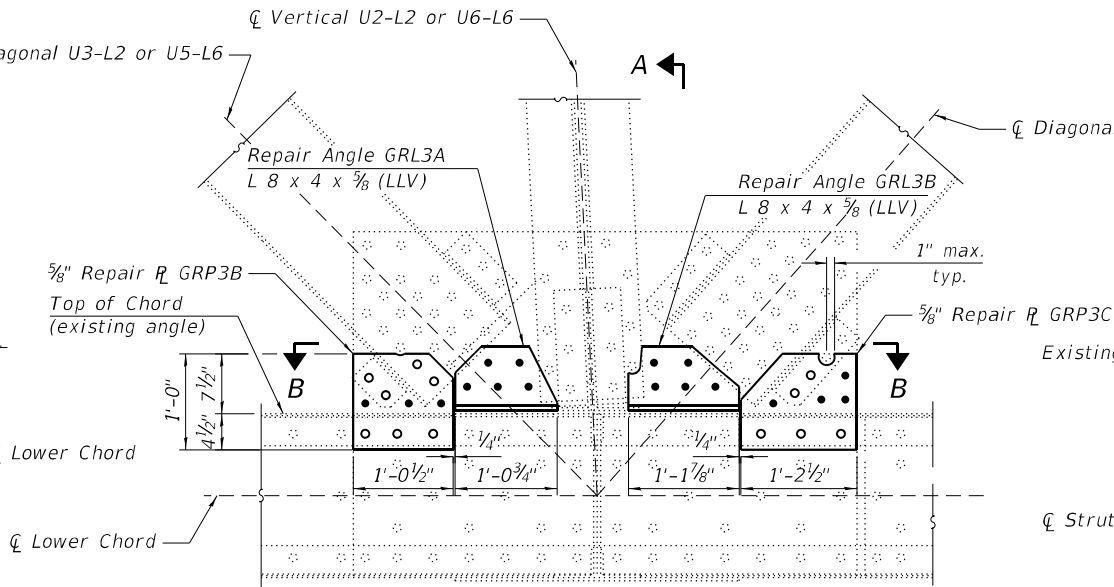
SHEET 524 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103B-4)D	PEORIA/TAZWELL	115	58
CONTRACT NO. 68G27				
ILLINOIS				FED. AID PROJECT

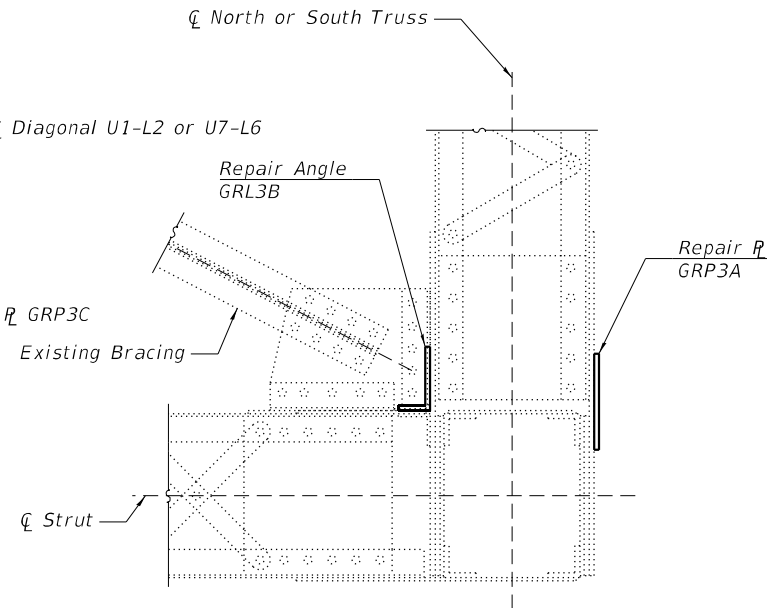
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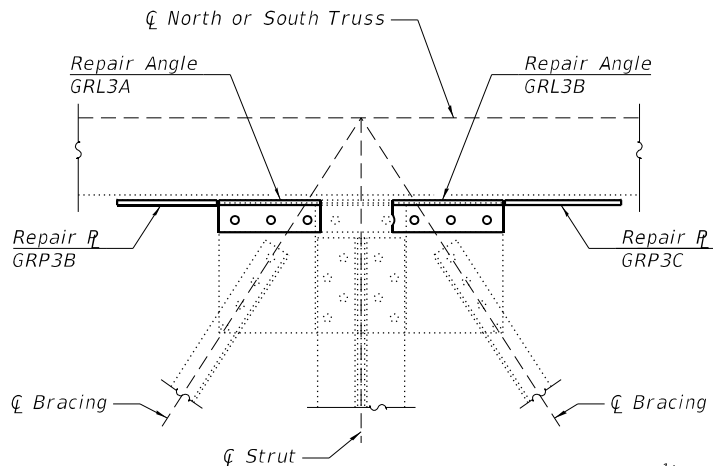
OUTSIDE ELEVATION



INSIDE ELEVATION

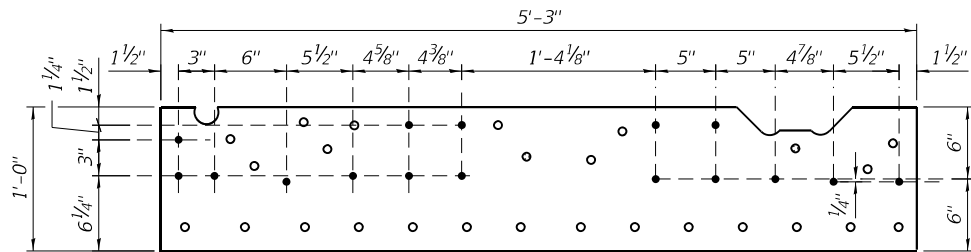


SECTION A-A



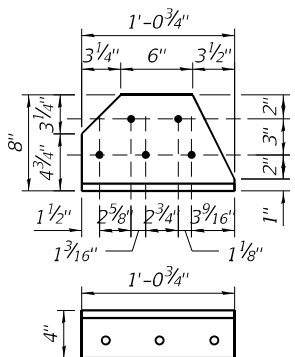
SECTION B-B

**GUSSET PLATE L2 AND L6**  
Field cut/cope new materials to accommodate existing fasteners not used in repair, as required.



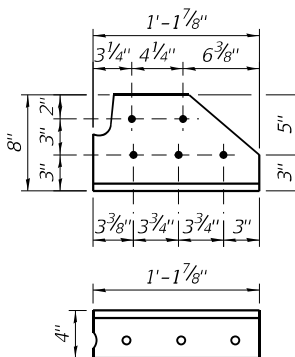
REPAIR R GRP3A

R 5/8"x1'-0"x5'-3"  
(2 required)



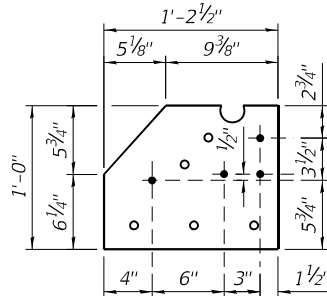
REPAIR ANGLE GRL3A

L8x4x5/8 x 1'-0 3/4"  
(3 required)



REPAIR ANGLE GRL3B

L8x4x5/8 x 1'-1 7/8"  
(3 required)



REPAIR R GRP3C

R 5/8"x1'-0"x1'-2 1/2"  
(3 required)

**LEGEND**

- Existing fastener to remain
- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

**BILL OF MATERIAL**

Item	Unit	Total
Structural Steel Repair	Pound	670
Structural Steel Removal	Pound	80

Notes:  
The Contractor shall field verify existing conditions, including gusset plates, connection plates, connection angles, miscellaneous steel and layout of the fastener holes prior to ordering new materials.  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**REPAIR LOCATIONS**

NBIS Deficiency No.	Span	Joint	Truss	Inner R	Outer R
283	10	L6	North	1	N/A
61	12	L2	North	N/A*	1
182	17	L2	North	1	N/A
189, 337	17	L6	North	1	1

\* For reference, a repair was incorporated at the specified location during a previous repair of the bridge.

**TYLin**

USER NAME =	chris.trolani
DESIGNED -	CMT
CHECKED -	ASK
PLOT SCALE =	0:2" = 1'
DRAWN -	CMT
PLOT DATE =	3/18/2025
CHECKED -	ASK
REVISED -	

DESIGNED -	CMT
CHECKED -	ASK
DRAWN -	CMT
CHECKED -	ASK
REVISED -	

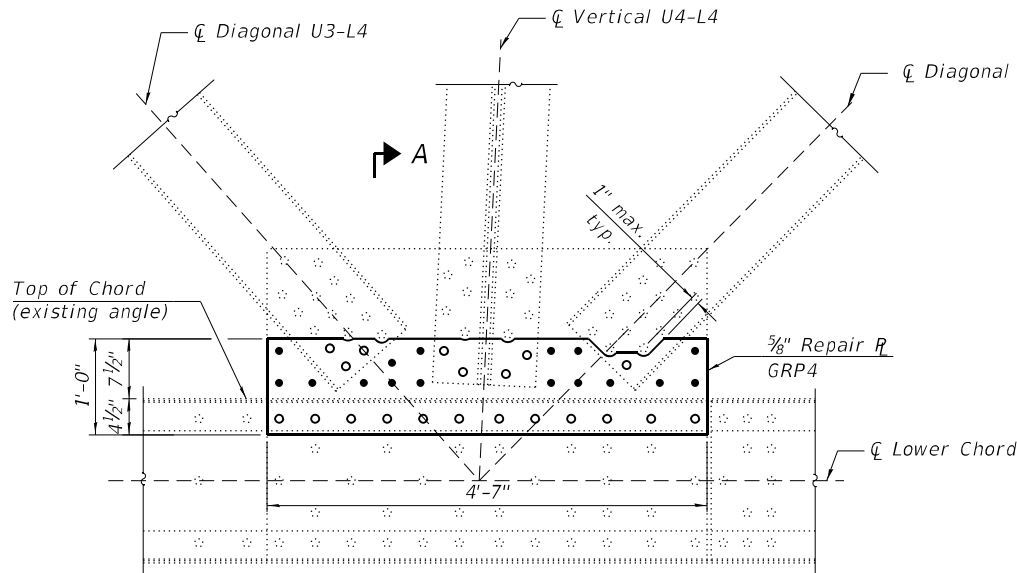
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUSSET PLATE REPAIRS - 3**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

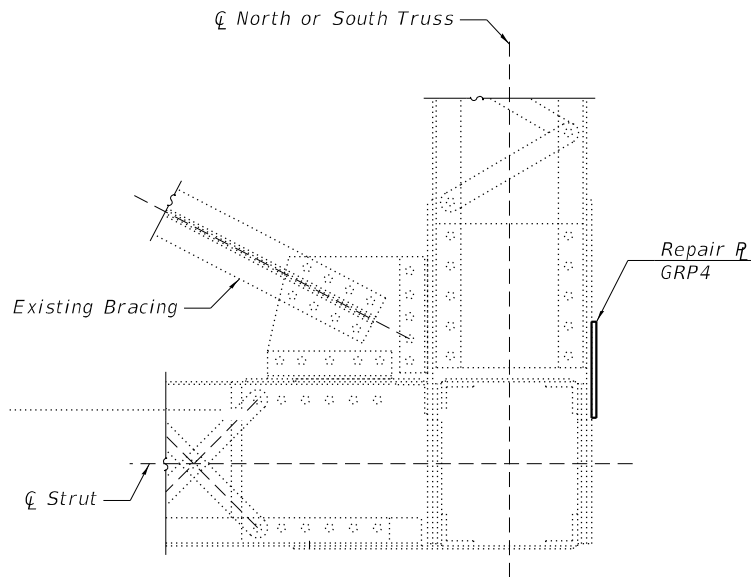
SHEET S25 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103B-4)D	PEORIA/TAZWELL	115	59
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

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OUTSIDE ELEVATION



SECTION A-A

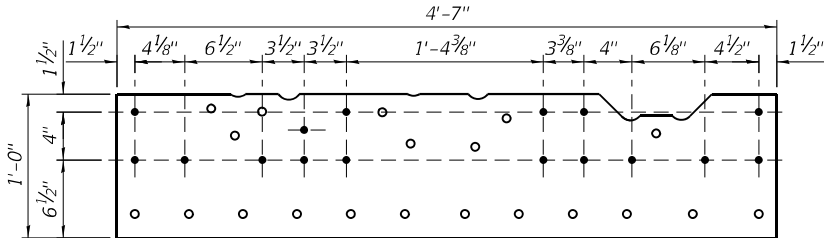
#### GUSSET PLATE L4

Field cut/cope new materials to accommodate existing fasteners not used in repair, as required.

#### REPAIR LOCATIONS

NBIS Deficiency No.	Span	Joint	Truss	Inner R	Outer R
25	10	L4	South	N/A*	1
186	17	L4	North	N/A*	1

\*For reference, a repair was incorporated at the specified location during a previous repair of the bridge.



#### REPAIR R GRP4

R 5/8"x1'-0"x4'-7"  
(2 required)

#### LEGEND

Existing fastener to remain

- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

#### BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	260
Structural Steel Removal	Pound	30

Notes:  
The Contractor shall field verify existing conditions, including gusset plates, connection plates, connection angles, miscellaneous steel and layout of the fastener holes prior to ordering new materials.  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

TYLin

USER NAME =	chris.trolani	DESIGNED -	CMT	REVISED -	
		CHECKED -	ASK	REVISED -	
PLOT SCALE =	0.167' / in.	DRAWN -	CMT	REVISED -	
PLOT DATE =	3/19/2025	CHECKED -	ASK	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

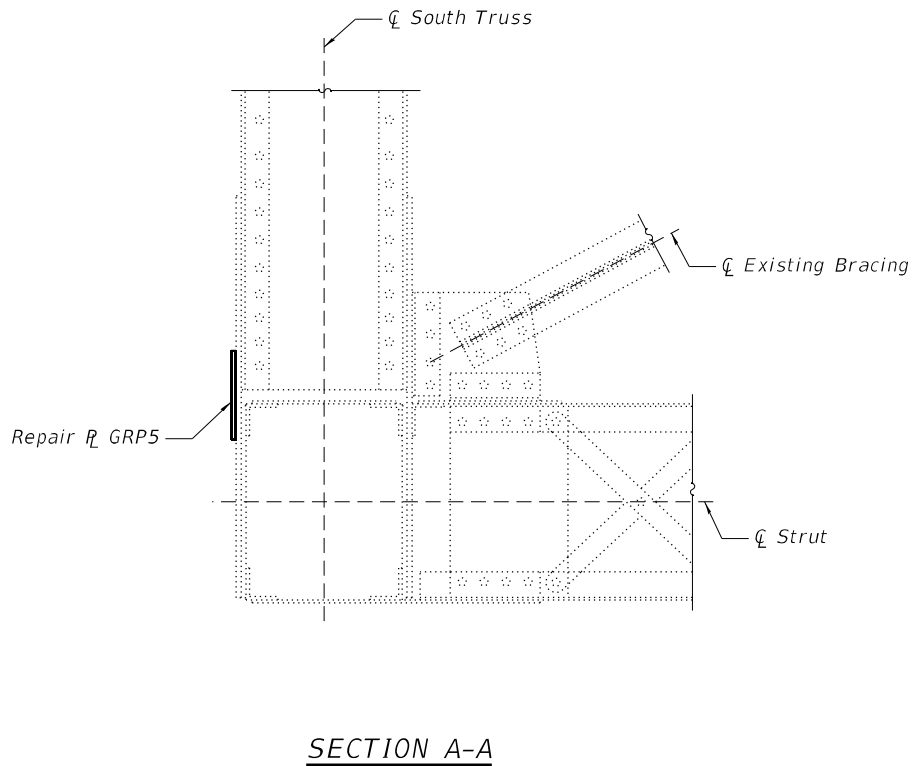
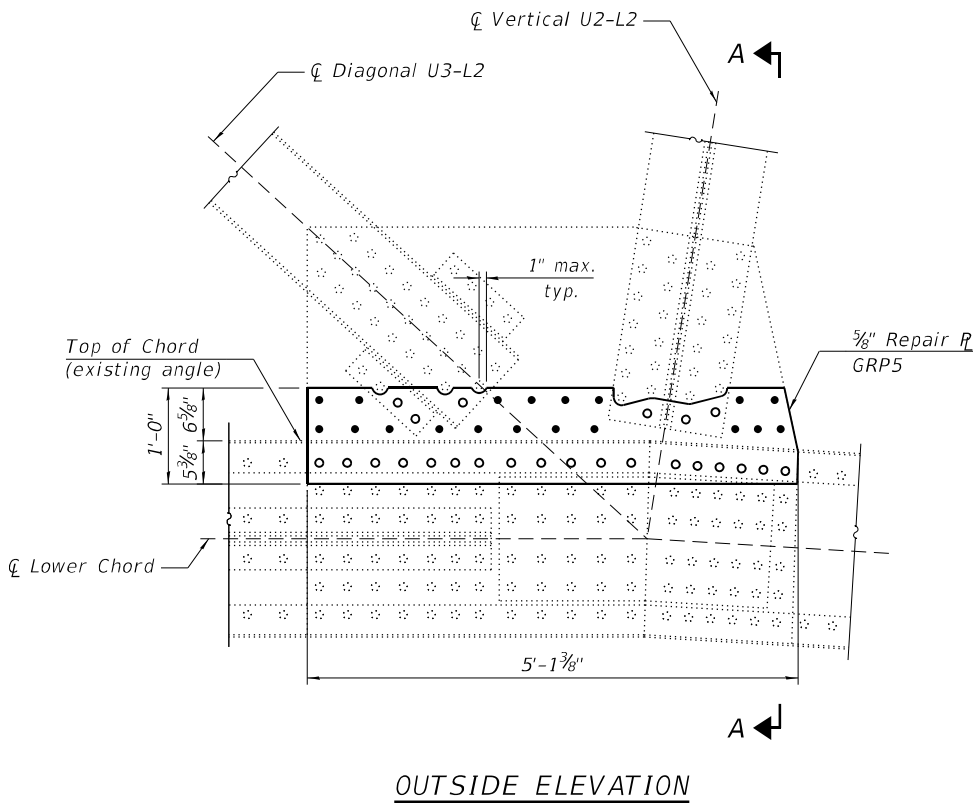
GUSSET PLATE REPAIRS - 4  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET 526 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103B-4)D	PEORIA/TAZWELL	115	60
			CONTRACT NO. 68G27	
		ILLINOIS	FED. AID PROJECT	



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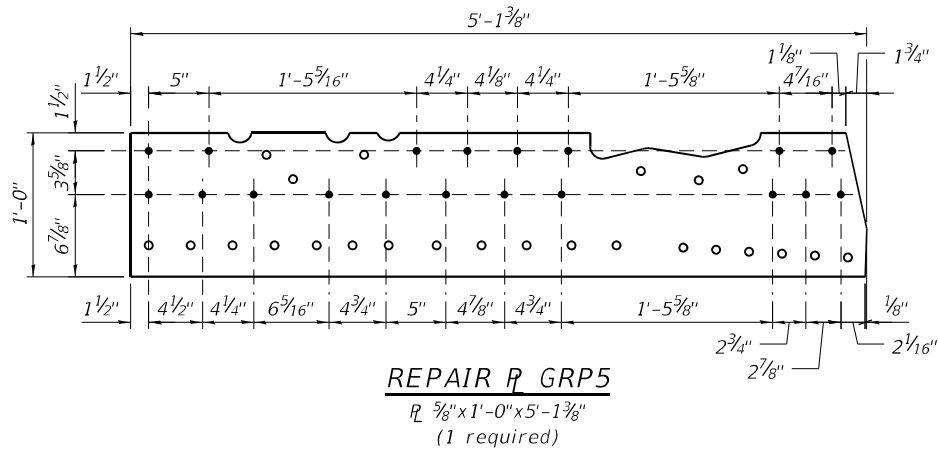


### GUSSET PLATE L2

Field cut/cope new materials to accommodate existing fasteners not used in repair, as required.

### REPAIR LOCATIONS

NBIS Deficiency No.	Span	Joint	Truss	Inner R	Outer R
345	14	L2	South	N/A	1



### LEGEND

- Existing fastener to remain
- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

### BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	150
Structural Steel Removal	Pound	20

Notes:  
The Contractor shall field verify existing conditions, including gusset plates, connection plates, connection angles, miscellaneous steel and layout of the fastener holes prior to ordering new materials.  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**TYLin**

USER NAME =	chris.trolani	DESIGNED -	CMT	REVISED -	
		CHECKED -	ASK	REVISED -	
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PLOT DATE =	3/18/2025	CHECKED -	ASK	REVISED -	

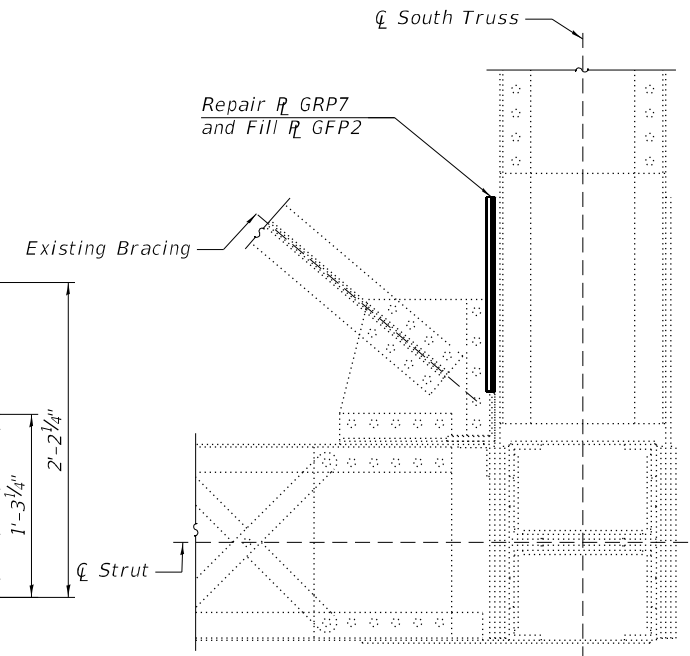
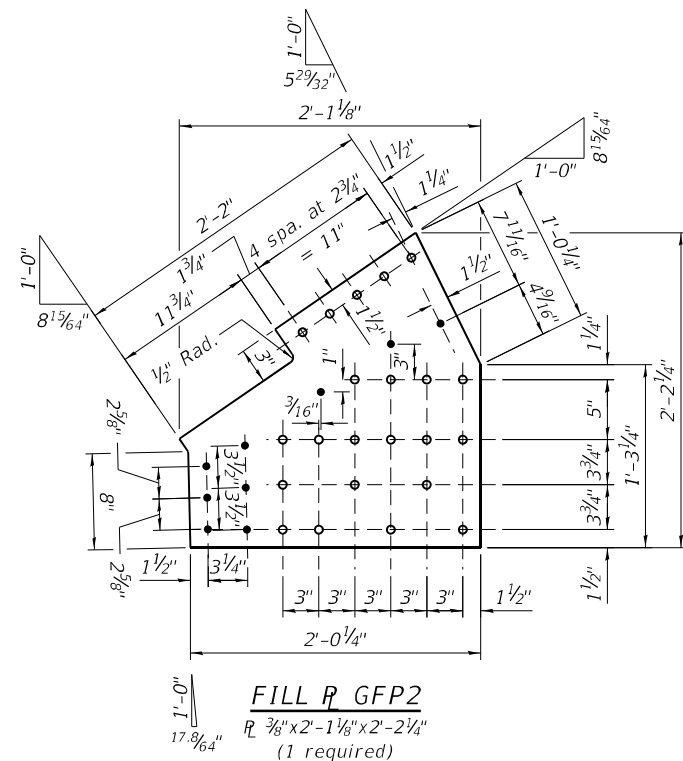
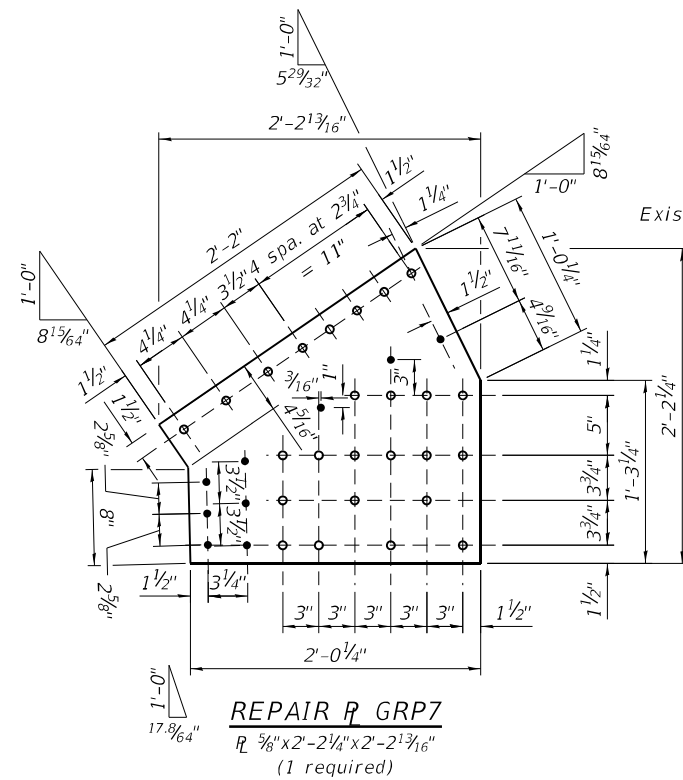
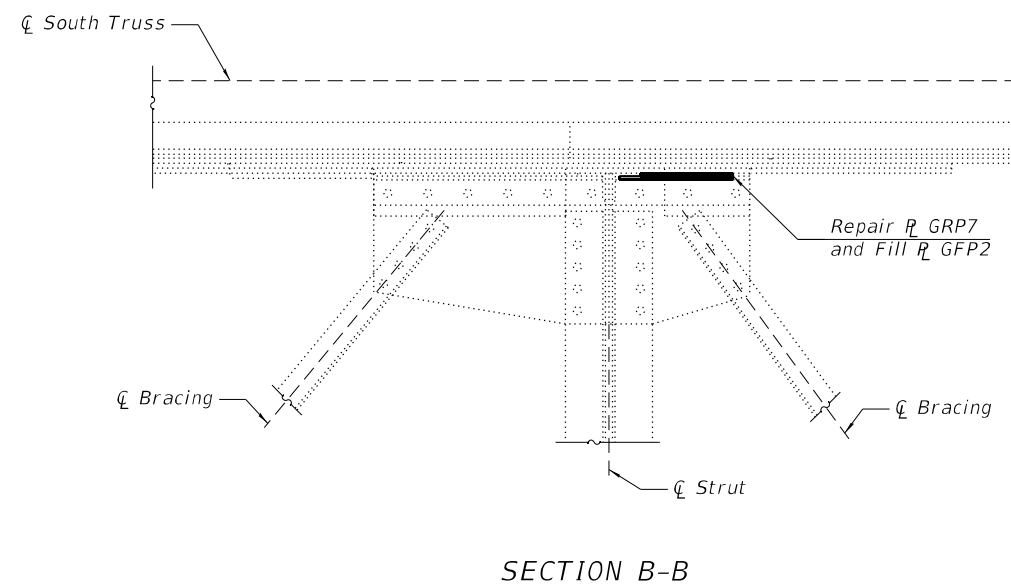
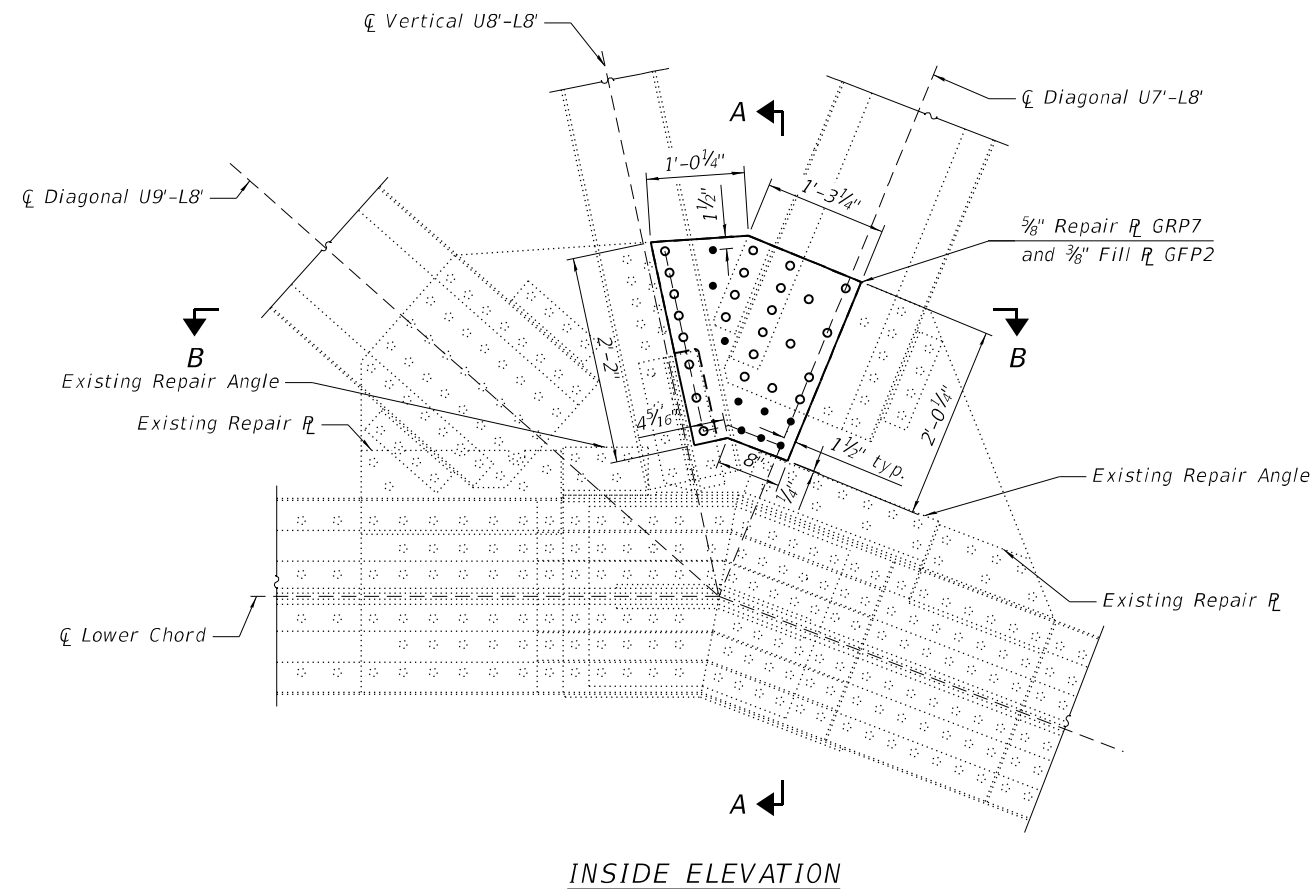
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GUSSET PLATE REPAIRS - 5  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S27 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103B-4)D	PEORIA/TAZWELL	115	61
CONTRACT NO. 68G27				
ILLINOIS		FED. AID PROJECT		





- LEGEND

- ✧ *Existing fastener to remain*
- *New  $\frac{7}{8}$ " dia. A325 bolt in new  $1\frac{5}{16}$ " dia. hole. Field drill  $1\frac{5}{16}$ " dia. holes for  $\frac{7}{8}$ " dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.*
- *Replace existing fastener with new  $\frac{7}{8}$ " dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.*

### BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	220
Structural Steel Removal	Pound	20

Notes:

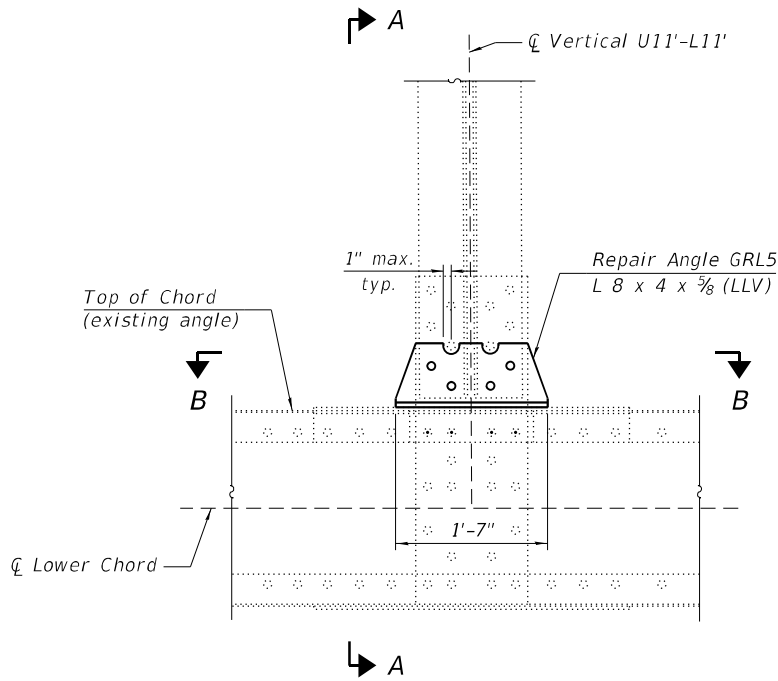
The Contractor shall field verify existing conditions, including gusset plates, connection plates, connection angles, miscellaneous steel and layout of the fastener holes prior to ordering new materials.

For Sealant Details, see Sheet S22 of S60.

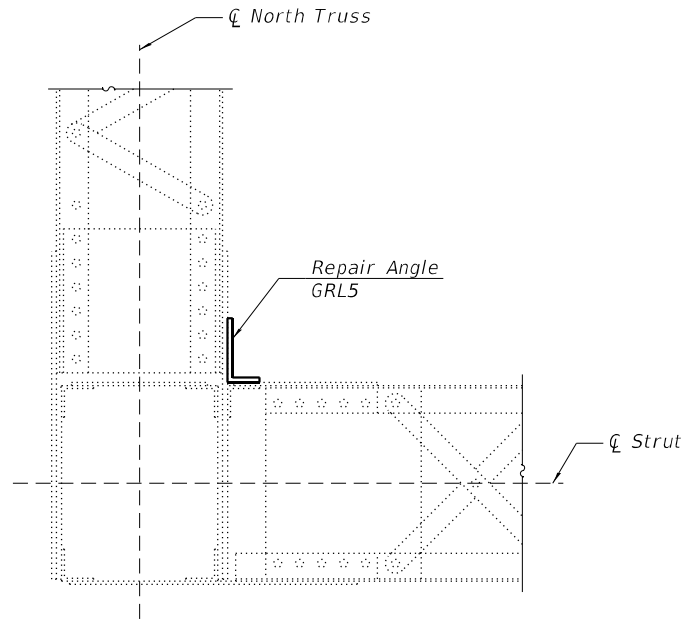
See Sheet S4 thru S9 for NBIS deficiency locations

NBIS Deficiency No.	Span	Joint	Truss	Inner R	Outer
309	15	18'	South	1	N/A

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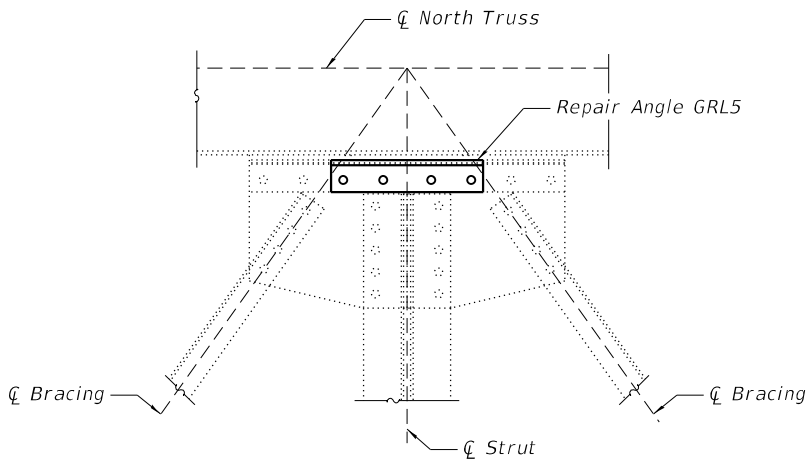


INSIDE ELEVATION



GUSSET PLATE L11'

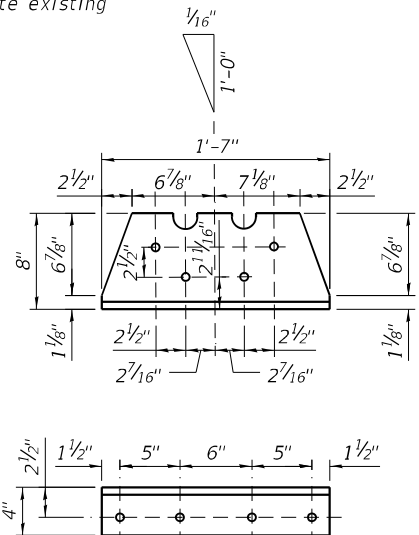
Field cut/cope new materials to accommodate existing fasteners not used in repair, as required.



SECTION B-B

REPAIR LOCATIONS

NBIS Deficiency No.	Span	Joint	Truss	Inner P	Outer P
135	15	L11'	North	1	N/A



REPAIR ANGLE GRL5

L8x4x5/8 x 1'-7"  
(1 required)

LEGEND

⊙ Existing fastener to remain

- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	40
Structural Steel Removal	Pound	5

Notes:  
The Contractor shall field verify existing conditions, including gusset plates, connection plates, connection angles, miscellaneous steel and layout of the fastener holes prior to ordering new materials.  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**TYLin**

USER NAME =	chris.trolani	DESIGNED -	CMT	REVISED -	
		CHECKED -	ASK	REVISED -	
PLOT SCALE =	0.167' / in.	DRAWN -	CMT	REVISED -	
PLOT DATE =	3/18/2025	CHECKED -	ASK	REVISED -	

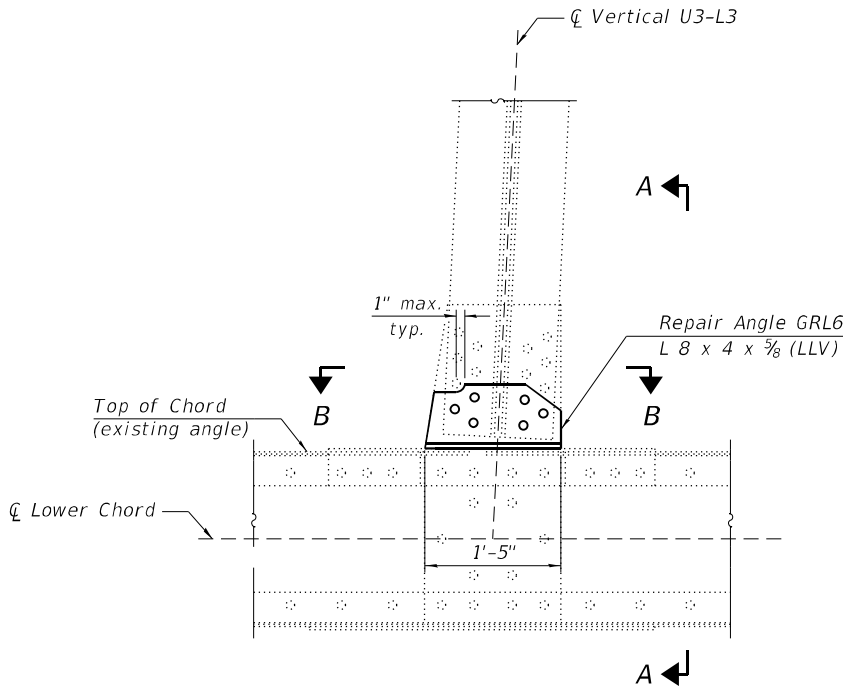
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUSSET PLATE REPAIRS -- 8**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

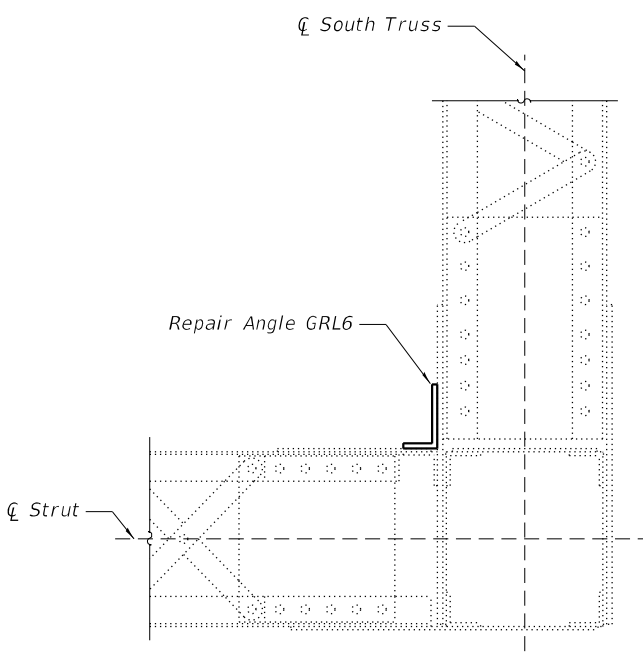
SHEET 530 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 68G27	
		ILLINOIS	FED. AID PROJECT	

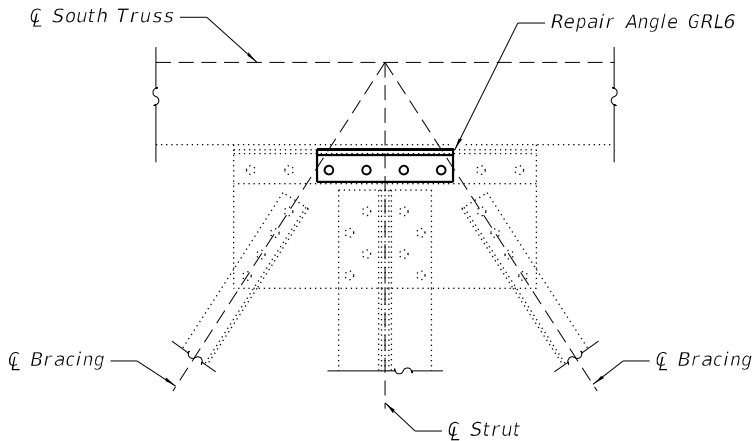
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3/18/2025 3:53:35 PM



INSIDE ELEVATION



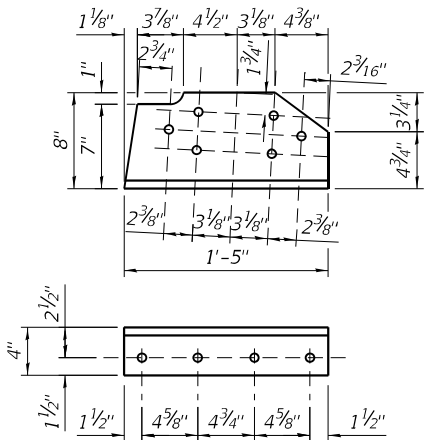
SECTION A-A



SECTION B-B

GUSSET PLATE L3

Field cut/cope new materials to accommodate existing fasteners not used in repair, as required.



REPAIR ANGLE GRL6

L8x4x5/8 x 1'-5"  
(1 required)

REPAIR LOCATIONS

NBIS Deficiency No.	Span	Joint	Truss	Inner <i>R<sub>L</sub></i>	Outer <i>R<sub>L</sub></i>
204	18	L3	South	1	N/A

LEGEND

- Existing fastener to remain
- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	40
Structural Steel Removal	Pound	10

Notes:  
The Contractor shall field verify existing conditions, including gusset plates, connection plates, connection angles, miscellaneous steel and layout of the fastener holes prior to ordering new materials.  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.



USER NAME =	chris.trolani	DESIGNED -	CMT	REVISED -	
		CHECKED -	ASK	REVISED -	
PLOT SCALE =	0.167 ' / in.	DRAWN -	CMT	REVISED -	
PLOT DATE =	3/18/2025	CHECKED -	ASK	REVISED -	

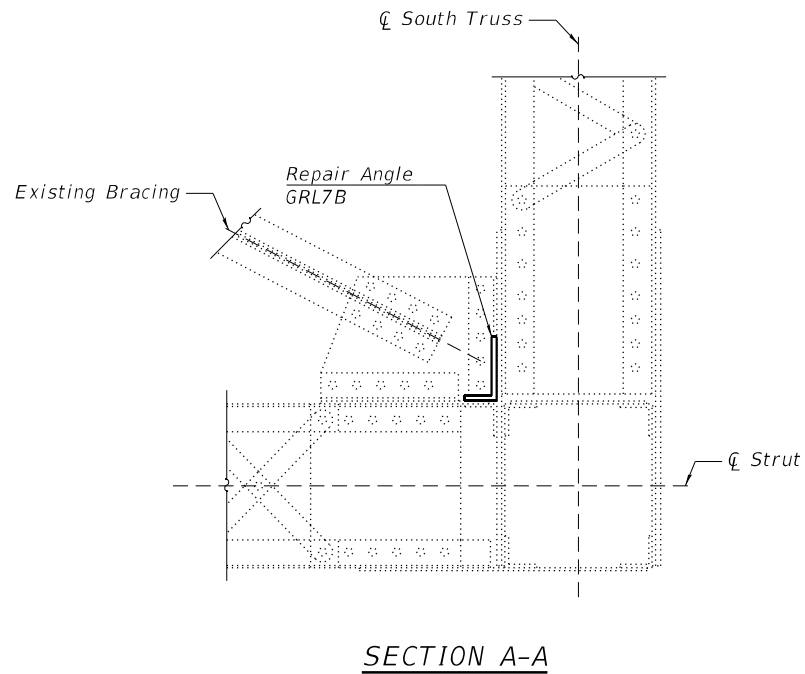
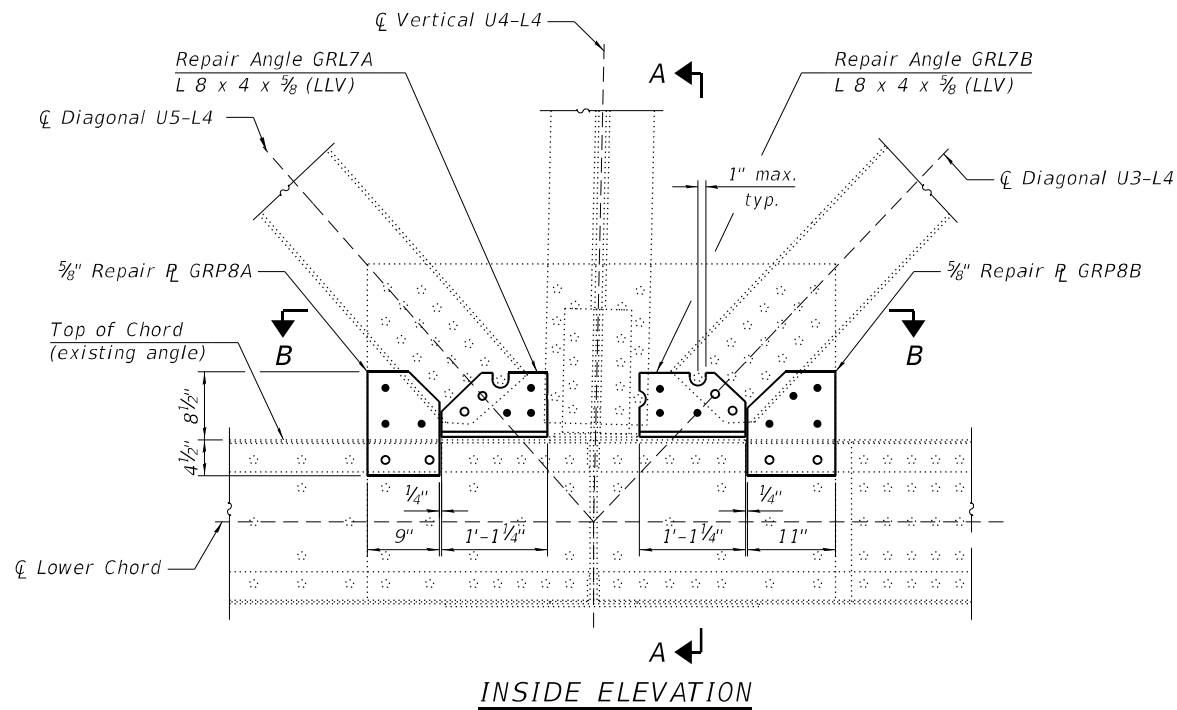
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GUSSET PLATE REPAIRS - 9  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

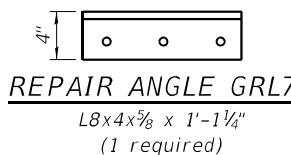
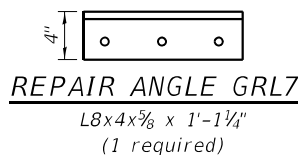
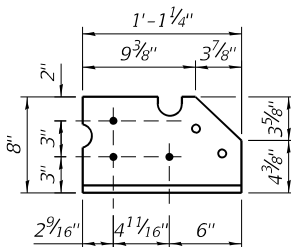
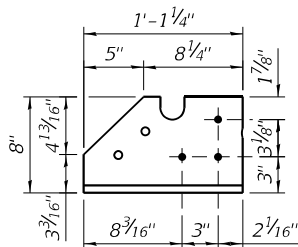
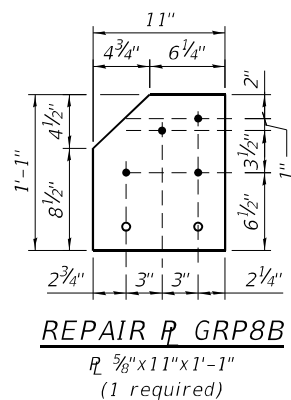
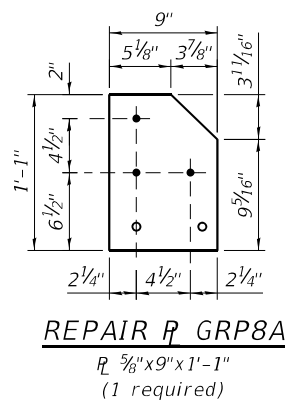
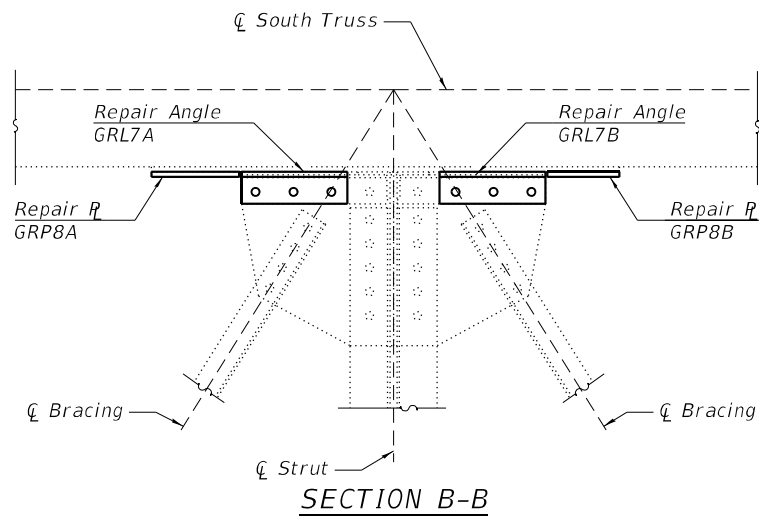
SHEET S31 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103B-4)D	PEORIA/TAZWELL	115	65
				CONTRACT NO. 68G27
		ILLINOIS	FED. AID PROJECT	

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3/18/2025 3:53:40 PM



**GUSSET PLATE L4**  
Field cut/cope new materials to accommodate existing fasteners not used in repair, as required.



- LEGEND**
- Existing fastener to remain
  - New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
  - Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

**BILL OF MATERIAL**

Item	Unit	Total
Structural Steel Repair	Pound	110
Structural Steel Removal	Pound	10

Notes:  
The Contractor shall field verify existing conditions, including gusset plates, connection plates, connection angles, miscellaneous steel and layout of the fastener holes prior to ordering new materials.  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**REPAIR LOCATIONS**

NBIS Deficiency No.	Span	Joint	Truss	Inner P	Outer P
206	18	L4	South	1	N/A

**TYLin**

USER NAME =	chris.trolani	DESIGNED -	CMT	REVISED -	
		CHECKED -	ASK	REVISED -	
PLOT SCALE =	0.167' / in.	DRAWN -	CMT	REVISED -	
PLOT DATE =	3/18/2025	CHECKED -	ASK	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

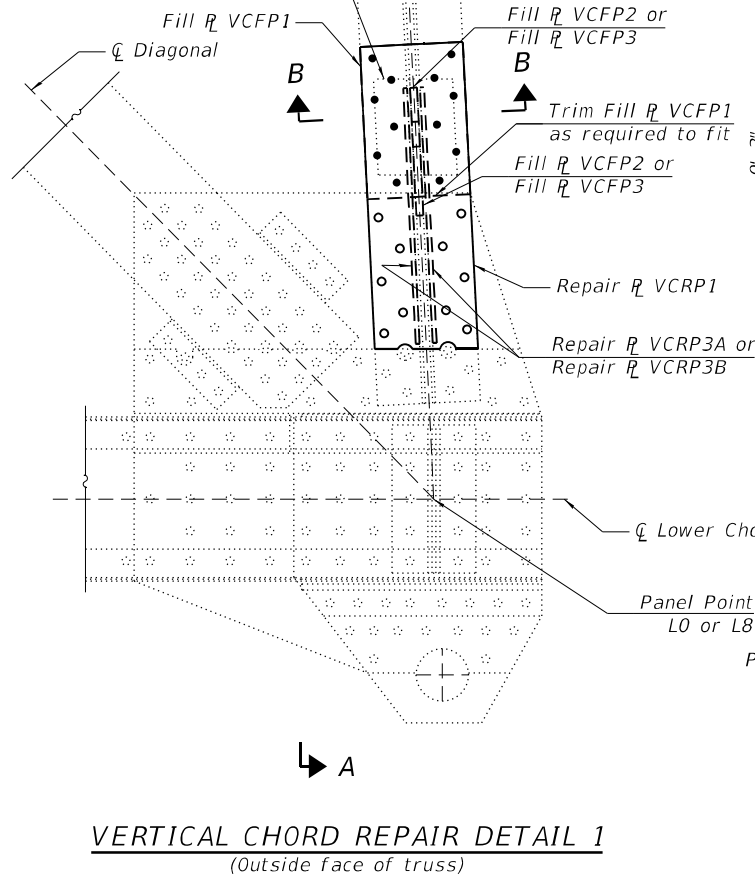
**GUSSET PLATE REPAIRS - 10**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

SHEET S32 OF S60 SHEETS

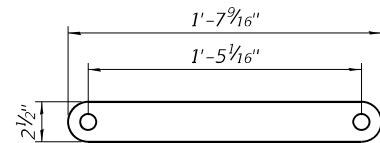
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669	(103B-4)D	PEORIA/TAZWELL	115	66
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

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1/6/2025 8:37:28 AM

Existing welded repair plate  
at location of NBIS 70



**VERTICAL CHORD REPAIR DETAIL 1**  
(Outside face of truss)



**LATTICE BARS LB01**

**R 7/16" x 2 1/2" x 1'-7 1/16"**  
(1 required)

**BILL OF MATERIALS**

Item	Unit	Total
Structural Steel Repair	Pound	280
Structural Steel Removal	Pound	30

**VERTICAL CHORD REPAIR LOCATIONS**

NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	VCRP1	VCRP2	VCRP3A	VCRP3B	VCFP1	VCFP2	VCFP3	LB01
70	12	South	L8U8	As shown	N/A*	1	N/A*	N/A*	N/A*	N/A*	N/A*	N/A
157	16	North	LOU0	As shown	N/A	N/A	2	N/A	N/A	1	N/A	1
316	16	North	L8U8	Opposite Hand	1	N/A	N/A	2	1	N/A	2	N/A

\* For reference, a repair was incorporated at the specified location during a previous repair of the bridge (Contract 236412).

Trim plate in field to fit  
edge of gusset repair  
plate and existing bolts.

Reattach ends of  
lacing bars with  
high-strength  
bolts. (typ. at  
lattice fasteners  
to be replaced)

Remove existing  
lattice bar. Install  
new lattice bar  
LB01.

Repair R  
VCRP2

Fill R VCFP1

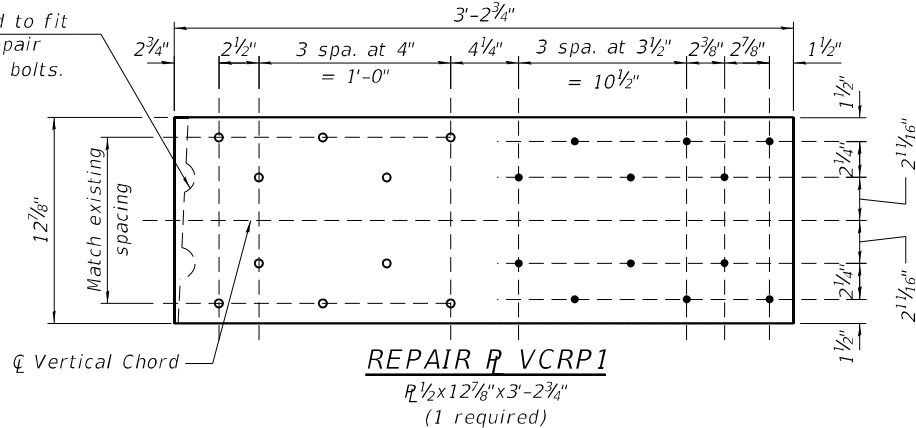
Fill R VCFP3

Trim Repair R VCRP1  
as required to fit

Repair R VCRP3B  
(each side)

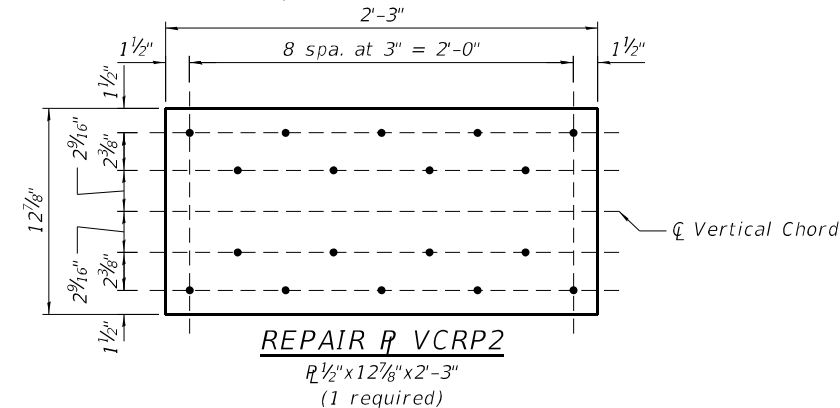
Repair R VCRP3A  
(each side)

**SECTION A-A**



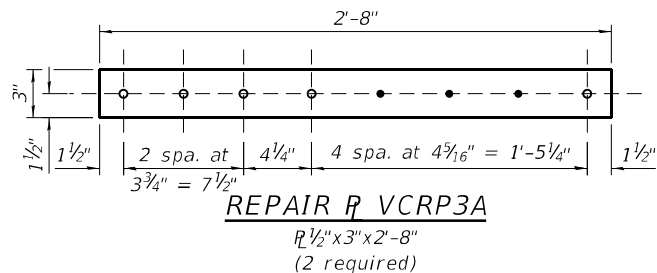
**REPAIR R VCRP1**

**R 1/2" x 12 7/8" x 3'-2 3/4"**  
(1 required)



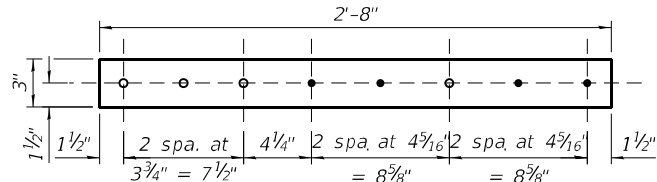
**REPAIR R VCRP2**

**R 1/2" x 12 7/8" x 2'-3"**  
(1 required)



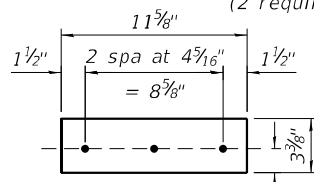
**REPAIR R VCRP3A**

**R 1/2" x 3" x 2'-8"**  
(2 required)



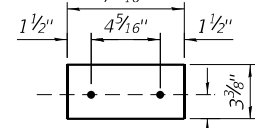
**REPAIR R VCRP3B**

**R 1/2" x 3" x 2'-8"**  
(2 required)



**\* FILL R VCFP2**

**R 1/8" x 3 3/8" x 11 5/8"**  
(1 required)



**\* FILL R VCFP3**

**R 1/8" x 3 3/8" x 7 5/16"**  
(2 required)

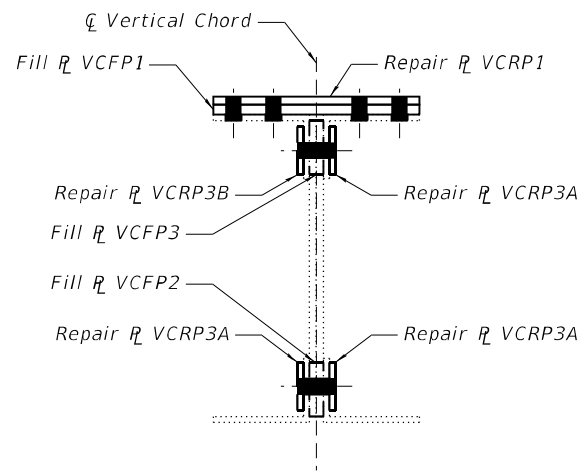
\* Fill R's to be placed  
between outstanding legs  
of existing L6x4x3/8.

Notes:

The proposed repair plates and/or angles shall be extended to provide two rows of bolts past the limits of the removed welded cover plate and is subject to the approval of the Engineer. Cost of the removal of the existing welded repair plate shall be incidental to Structural Steel Removal, and the cost for additional steel shall be paid for at the contract unit price of Structural Steel Repair.

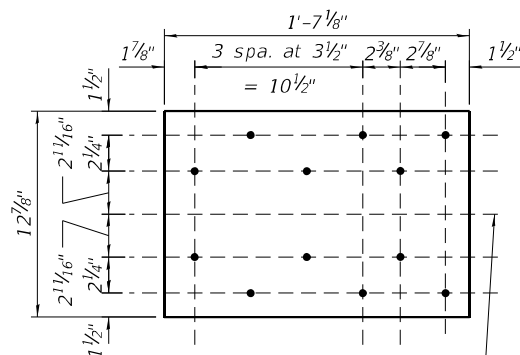
For Sealant Details, see Sheet S22 of S60.

See Sheet S4 thru S9 for NBIS deficiency locations.



**SECTION B-B**

Repair R VCRP2



**SECTION C-C**

**FILL R VCFP1**

**R 5/8" x 12 7/8" x 1'-7 1/8"**  
(1 required)

**LEGEND**

Existing fastener to remain

• New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.

• Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

**TYLin**

USER NAME =	abbas.kazan	DESIGNED -	CMT	REVISED -
CHECKED -	ASK	REVISED -		
PLOT SCALE =	0:2" = 1'	DRAWN -	CMT	REVISED -
PLOT DATE =	1/6/2025	CHECKED -	ASK	REVISED -

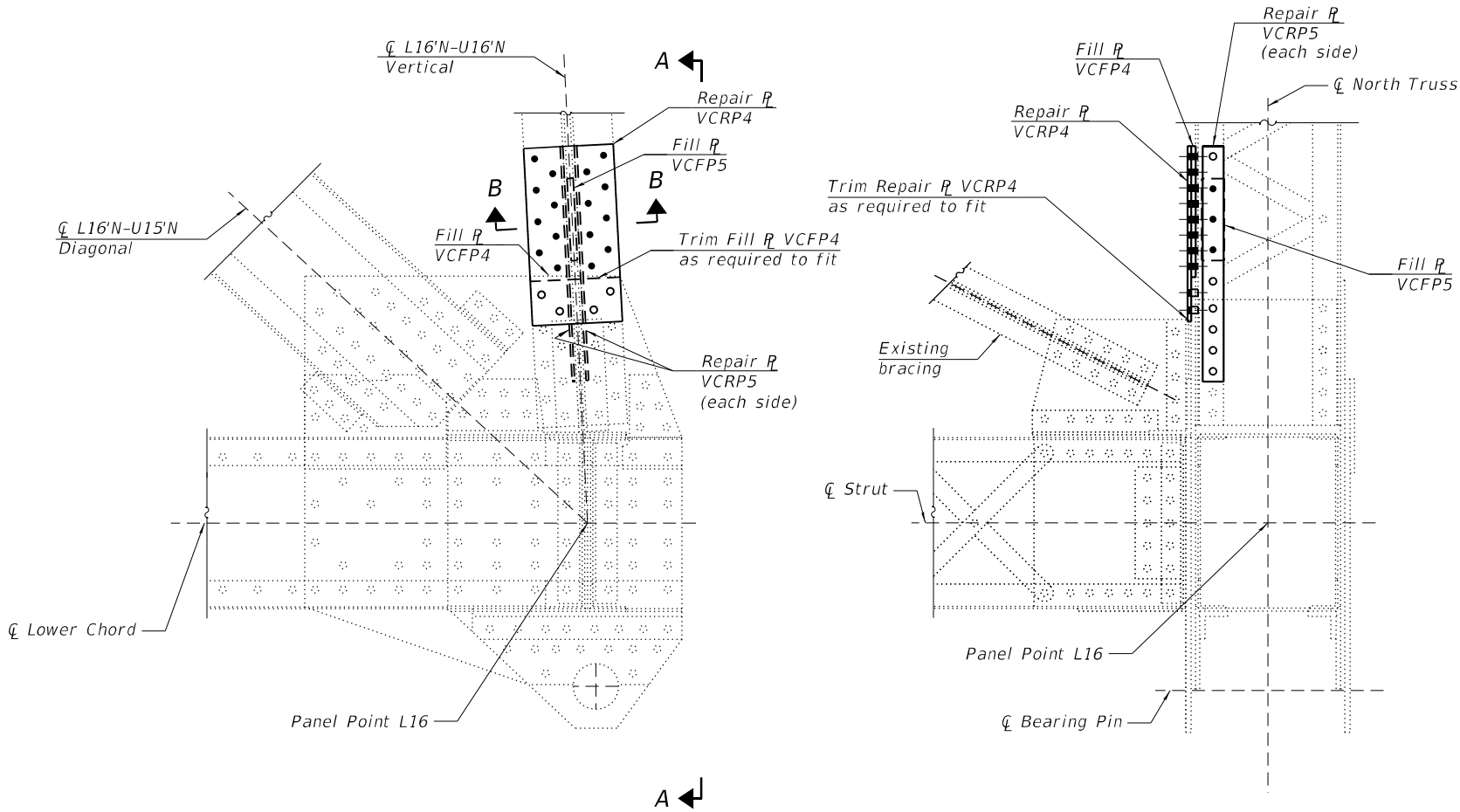
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRUSS MEMBER REPAIRS - 1**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

SHEET S33 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/AZWELL	115	67
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

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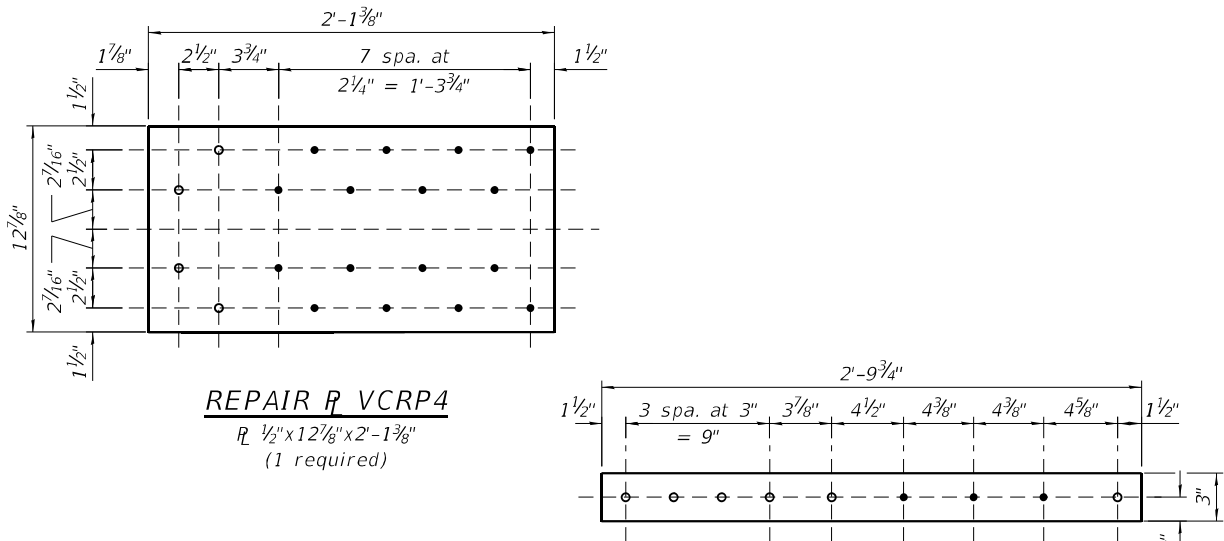
**VERTICAL CHORD REPAIR DETAIL**  
(Looking north)

**SECTION A-A**

Note A:  
A sealer compatible with structural steel should be placed in this damaged area after cleaning and painting and prior to installing repair plates.

**VERTICAL CHORD REPAIR LOCATIONS**

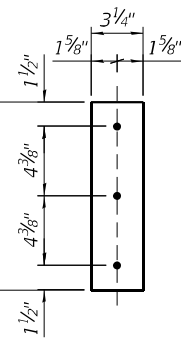
NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	VCRP4	VCRP5	VCFP4	VCFP5
311	15	North	L16'U16'	As shown	1	2	1	1



**REPAIR R VCRP4**  
R 1/2"x12 7/8"x2'-1 3/8"  
(1 required)

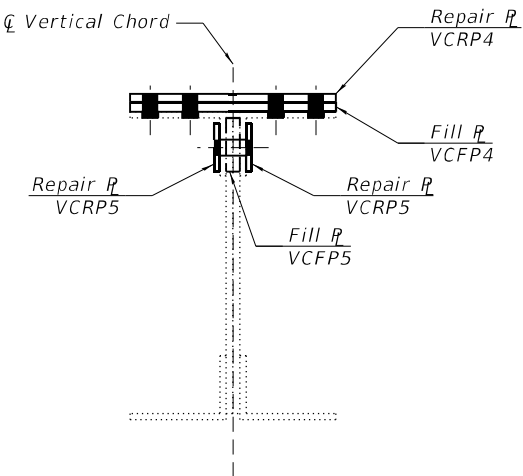
**REPAIR R VCRP5**  
R 1/2"x3"x2'-9 3/4"  
(2 required)

**FILL R VCFP4**  
R 5/8"x12 7/8"x1'-7 1/8"  
(1 required)



**\*FILL R VCFP5**  
R 7/8"x3 1/4"x11 3/4"  
(1 required)

\*Fill R's to be placed between outstanding legs of existing L6x4x3/8.



**SECTION B-B**

Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**BILL OF MATERIALS**

Item	Unit	Total
Structural Steel Repair	Pound	140
Structural Steel Removal	Pound	10

**LEGEND**

- Existing fastener to remain
- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

**TYLin**

USER NAME =	abbas.kazan	DESIGNED -	CMT	REVISED -	
CHECKED -	ASK	REVIS			
PLOT SCALE =	0.167' / in.	DRAWN -	CMT	REVISED -	
PLOT DATE =	1/6/2025	CHECKED -	ASK	REVISED -	

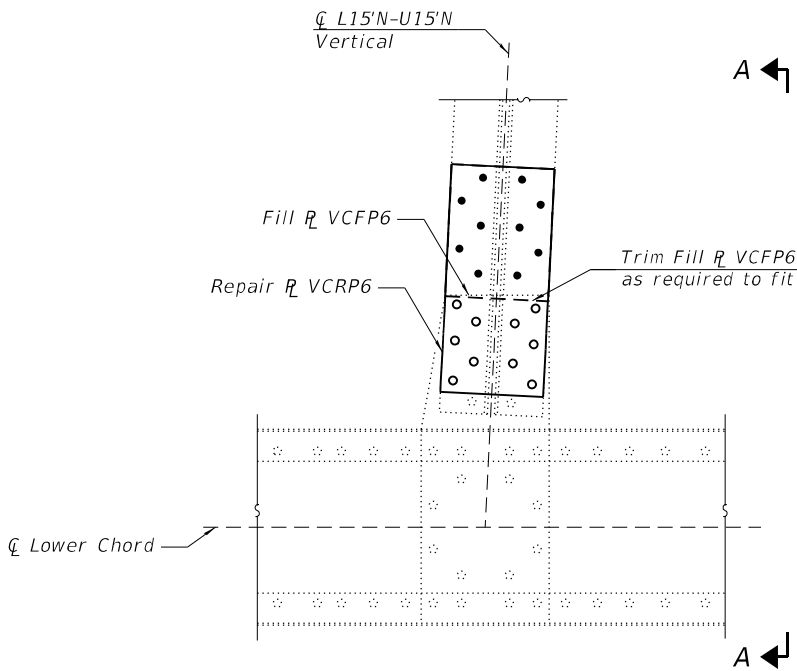
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRUSS MEMBER REPAIRS - 2**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

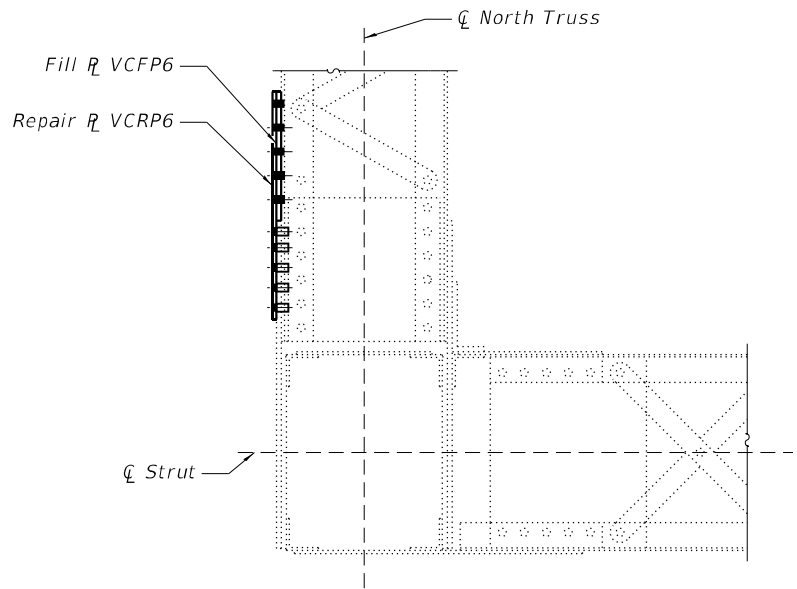
SHEET 534 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				





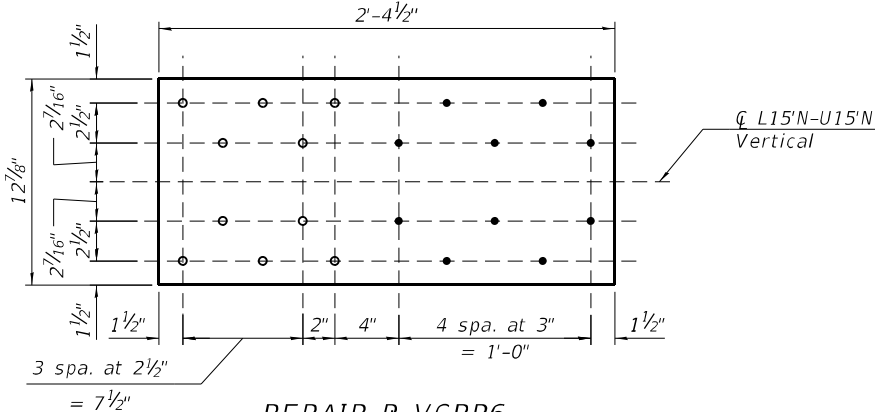
**VERTICAL CHORD REPAIR DETAIL**  
(Looking South)



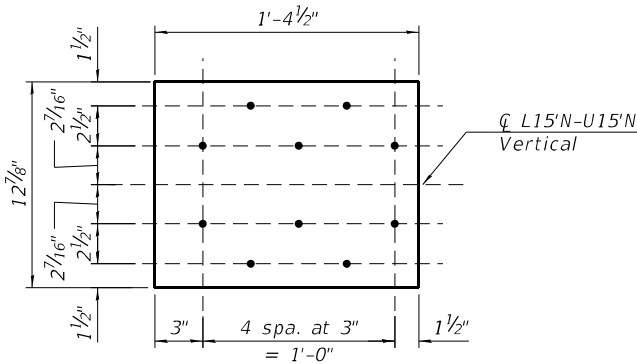
**SECTION A-A**

**VERTICAL CHORD REPAIR LOCATIONS**

NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	VCRP6	VCFP6
527	15	North	L15'U15'	As shown	1	1



**REPAIR R VCRP6**  
R 1/2"x12 7/8"x2'-4 1/2"  
(1 required)



**FILL R VCFP6**  
R 5/8"x12 7/8"x1'-4 1/2"  
(1 required)

**BILL OF MATERIALS**

Item	Unit	Total
Structural Steel Repair	Pound	100
Structural Steel Removal	Pound	10

Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**LEGEND**

- Existing fastener to remain
- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

MODEL: Default  
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USER NAME =	abbas.kazan	DESIGNED -	CMT	REVISED -	
		CHECKED -	ASK	REVISED -	
PLOT SCALE =	0.167 ' / in.	DRAWN -	CMT	REVISED -	
PLOT DATE =	1/6/2025	CHECKED -	ASK	REVISED -	

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

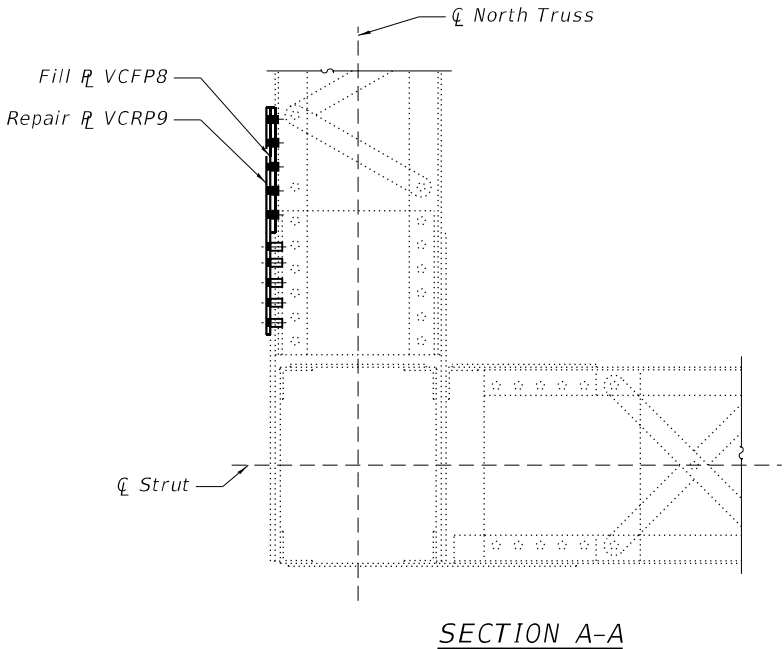
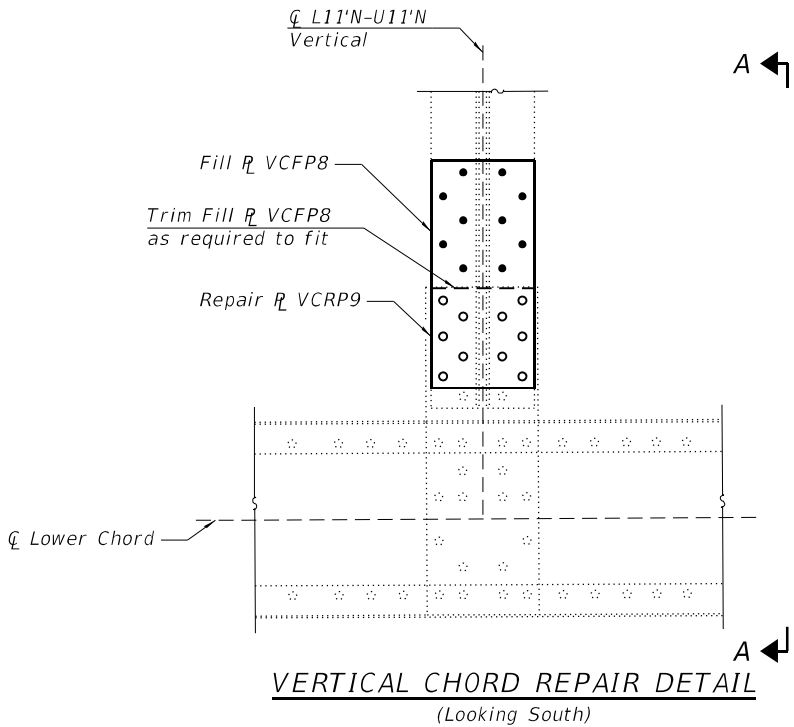
**TRUSS MEMBER REPAIRS – 3**  
**S.N. 090–0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

SHEET S35 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	69
ILLINOIS			CONTRACT NO. 68G27	
			FED. AID PROJECT	

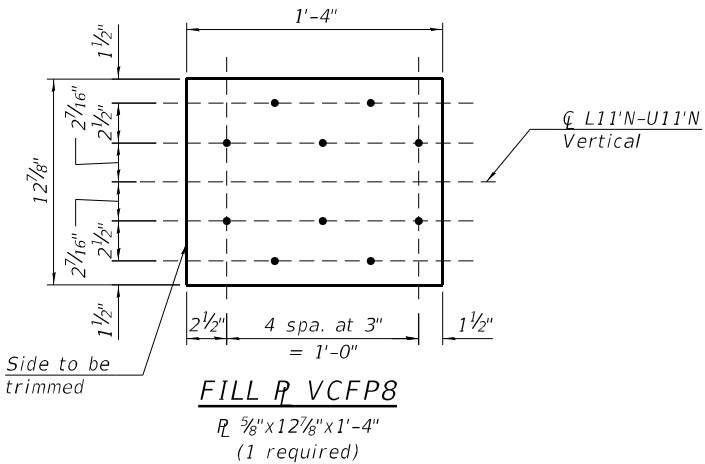
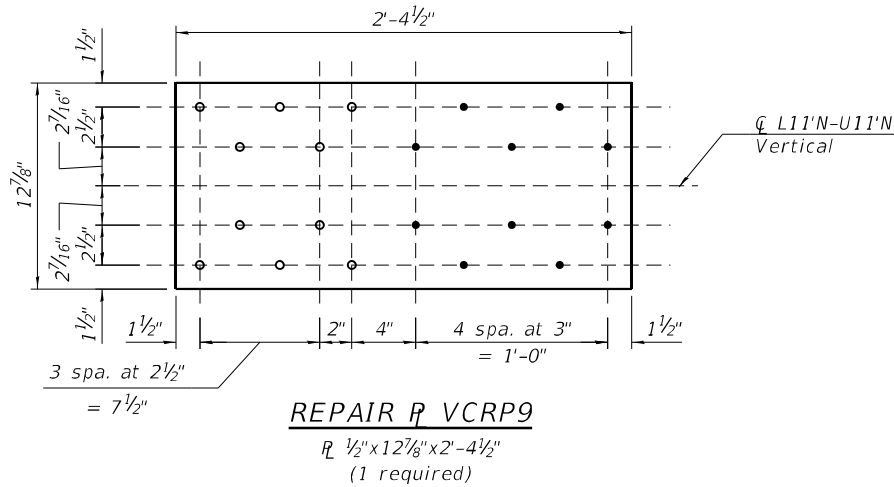


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#### VERTICAL CHORD REPAIR LOCATIONS

NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	VCRP9	VCFP8
526	15	North	L11'U11'	As shown	1	1



#### BILL OF MATERIALS

Item	Unit	Total
Structural Steel Repair	Pound	100
Structural Steel Removal	Pound	10

Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

#### LEGEND

Existing fastener to remain

- New  $\frac{7}{8}''$  dia. A325 bolt in new  $\frac{15}{16}''$  dia. hole. Field drill  $\frac{15}{16}''$  dia. holes for  $\frac{7}{8}''$  dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new  $\frac{7}{8}''$  dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

**TYLin**

USER NAME = abbas.kazan  
PLOT SCALE = 0.167' / in.  
PLOT DATE = 1/6/2025

DESIGNED - CMT  
CHECKED - ASK  
DRAWN - CMT  
CHECKED - ASK

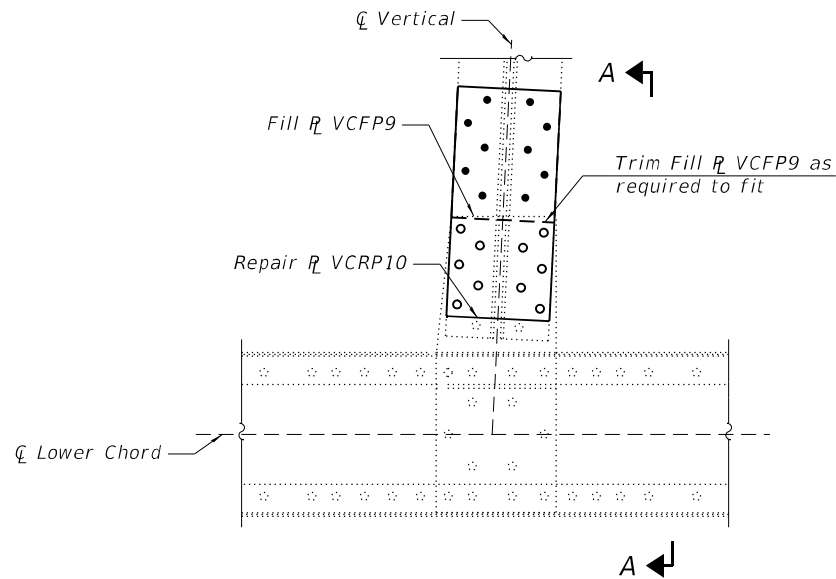
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

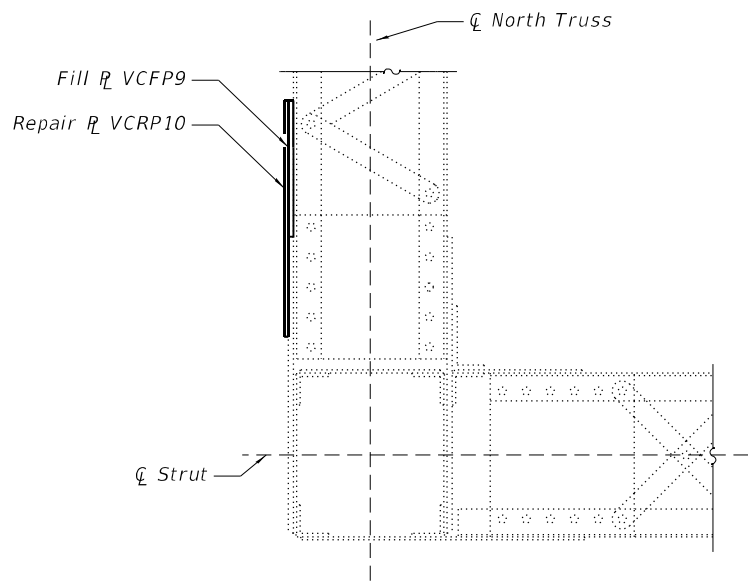
TRUSS MEMBER REPAIRS – 5  
S.N. 090–0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S37 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/AZAWELL	115	71
		CONTRACT NO. 68G27		
		ILLINOIS	FED. AID PROJECT	



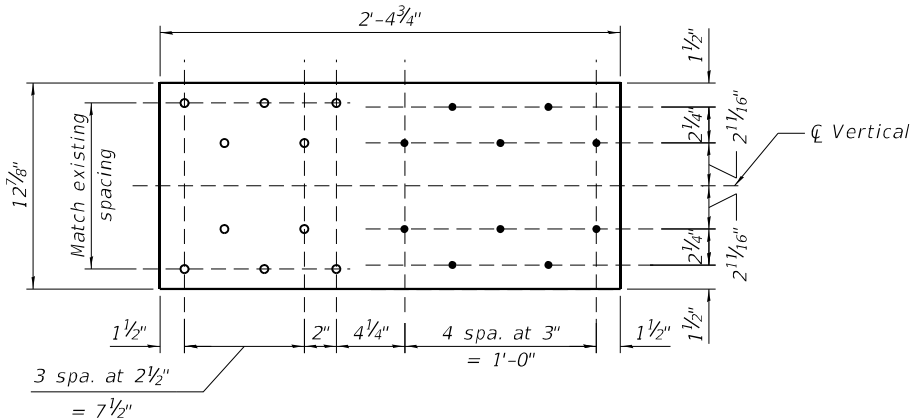
**VERTICAL CHORD REPAIR DETAIL**  
(Looking South)



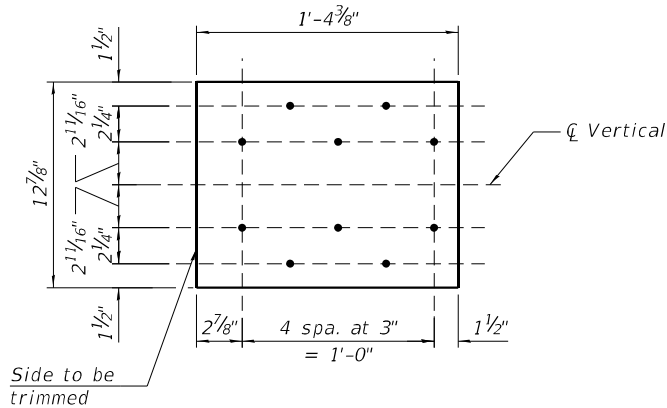
**SECTION A-A**  
(Bolts not shown for clarity)

**VERTICAL CHORD REPAIR LOCATIONS**

NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	VCRP10	VCFP9
529	16	North	L3U3	As shown	1	1
530	16	North	L5U5	As shown	1	1



**REPAIR R VCRP10**  
R 1/2"x12 7/8"x2'-4 3/4"  
(2 required)



**FILL R VCFP9**  
R 3/8"x12 7/8"x1'-4 3/8"  
(2 required)

**BILL OF MATERIALS**

Item	Unit	Total
Structural Steel Repair	Pound	200
Structural Steel Removal	Pound	20

**LEGEND**

- Existing fastener to remain
- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

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USER NAME =	abbas.kazan	DESIGNED -	CMT	REVISED -	
		CHECKED -	ASK	REVISED -	
PLOT SCALE =	0.167' / in.	DRAWN -	CMT	REVISED -	
PLOT DATE =	1/6/2025	CHECKED -	ASK	REVISED -	

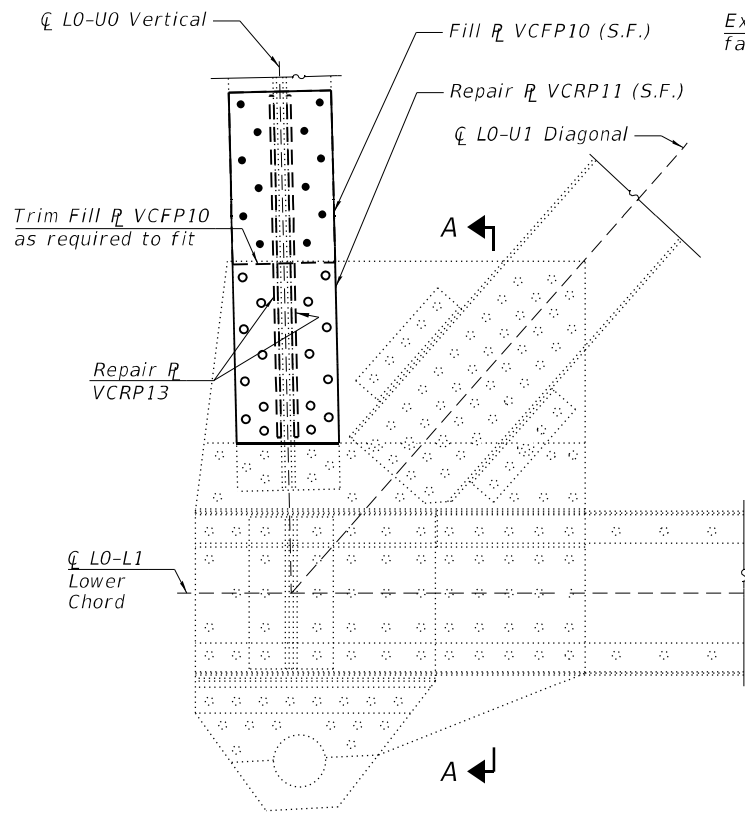
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRUSS MEMBER REPAIRS – 6**  
**S.N. 090–0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

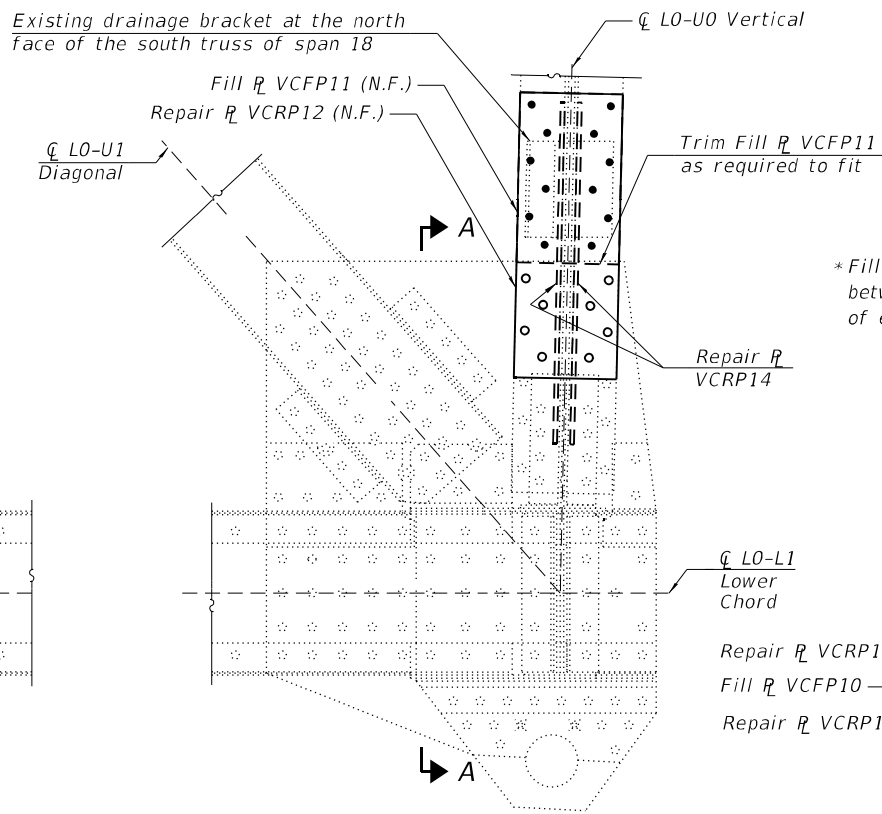
SHEET 538 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZEWELL	115	72
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

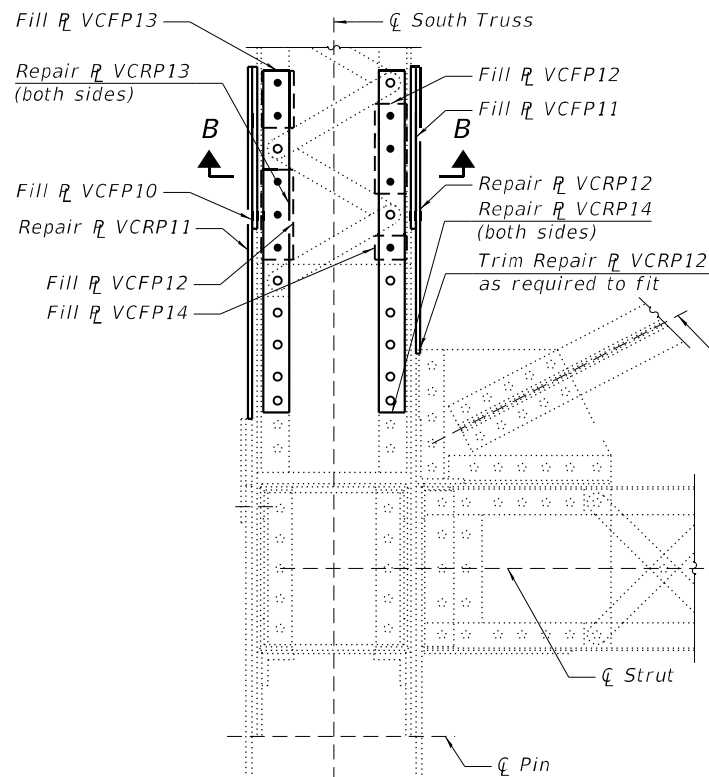
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CHORD REPAIR DETAIL  
(Looking North)



CHORD REPAIR DETAIL  
(Looking South)



SECTION A-A

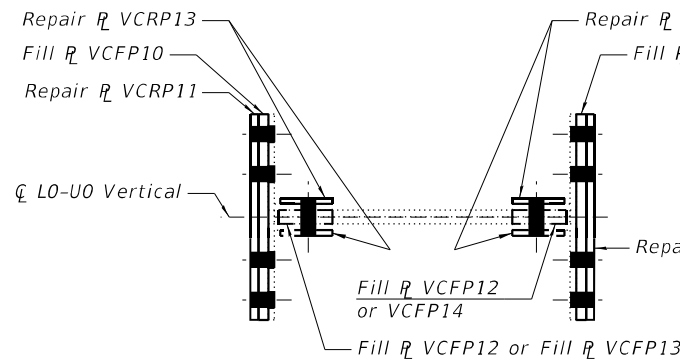
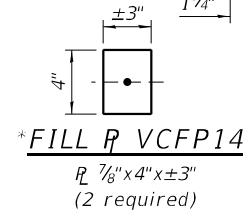
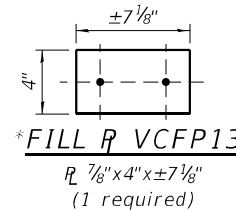
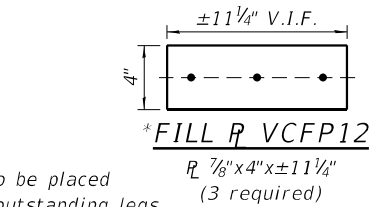
BILL OF MATERIALS

Item	Unit	Total
Structural Steel Repair	Pound	570
Structural Steel Removal	Pound	60

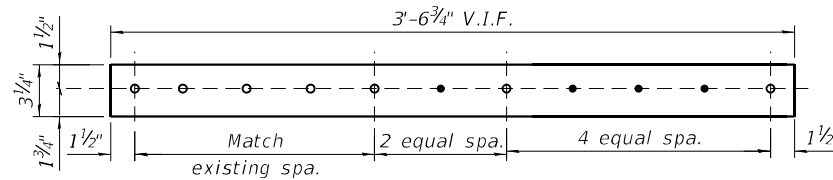
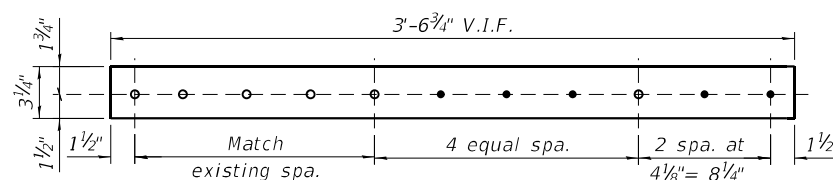
CHORD REPAIR LOCATIONS

NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	VCRP11	VCRP12	VCRP13	VCRP14	VCFP10	VCFP11	VCFP12	VCFP13	VCFP14
470	18	South	L0U0	As shown	1	-	-	2	1	-	1	-	1
473	19	South	L0U0	As shown	1	1	2	2	1	1	2	1	1

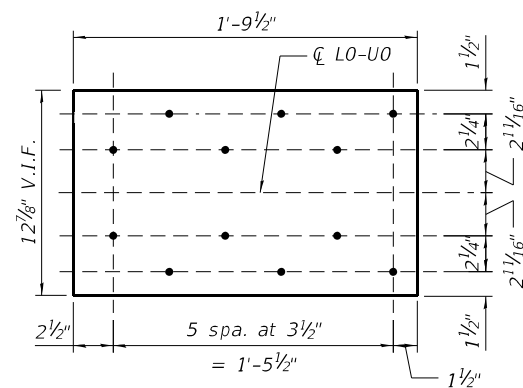
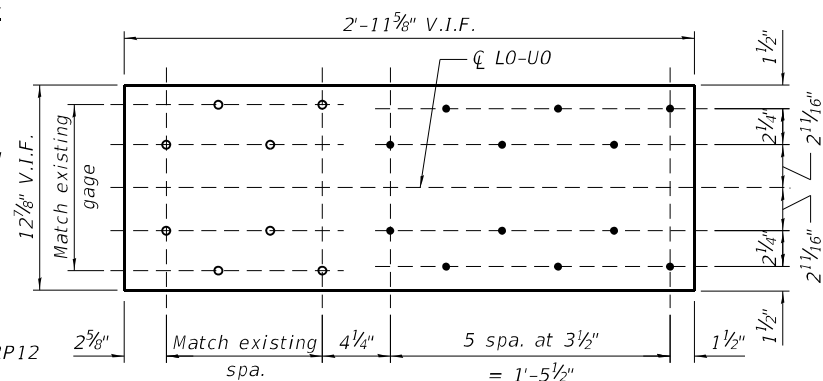
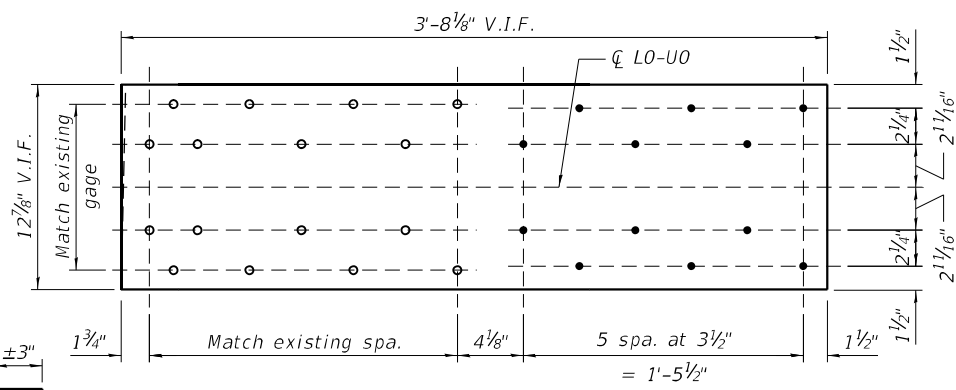
\* Fill  $\mathcal{R}$ 's to be placed between outstanding legs of existing L6x4x $\frac{3}{8}$ .



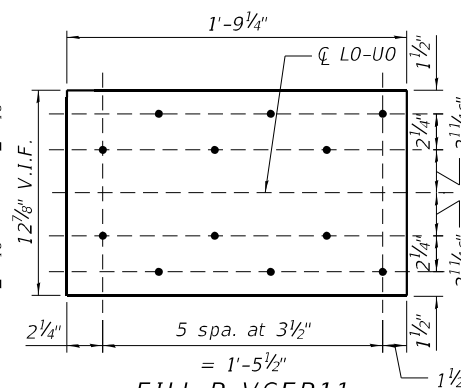
SECTION B-B



REPAIR  $\mathcal{R}$  VCRP14  
 $\mathcal{R}$   $\frac{1}{2}$ "x $3\frac{1}{4}$ "x3'-6 $\frac{3}{4}$ "  
(4 required)



FILL  $\mathcal{R}$  VCFP10  
 $\mathcal{R}$   $\frac{1}{2}$ "x12 $\frac{7}{8}$ "x1'-9 $\frac{1}{2}$ "  
(2 required)



FILL  $\mathcal{R}$  VCFP11  
 $\mathcal{R}$   $\frac{1}{2}$ "x12 $\frac{7}{8}$ "x1'-9 $\frac{1}{4}$ "  
(1 required)

Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

LEGEND

Existing fastener to remain

New  $\frac{7}{8}$ " dia. A325 bolt in new  $\frac{15}{16}$ " dia. hole. Field drill  $\frac{15}{16}$ " dia. holes for  $\frac{7}{8}$ " dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.

Replace existing fastener with new  $\frac{7}{8}$ " dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

TYLin

USER NAME = abbas.kazan  
PLOT SCALE = 0:2" = 1'-0"  
PLOT DATE = 1/6/2025

DESIGNED - CMT  
CHECKED - ASK  
DRAWN - CMT  
CHECKED - ASK

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

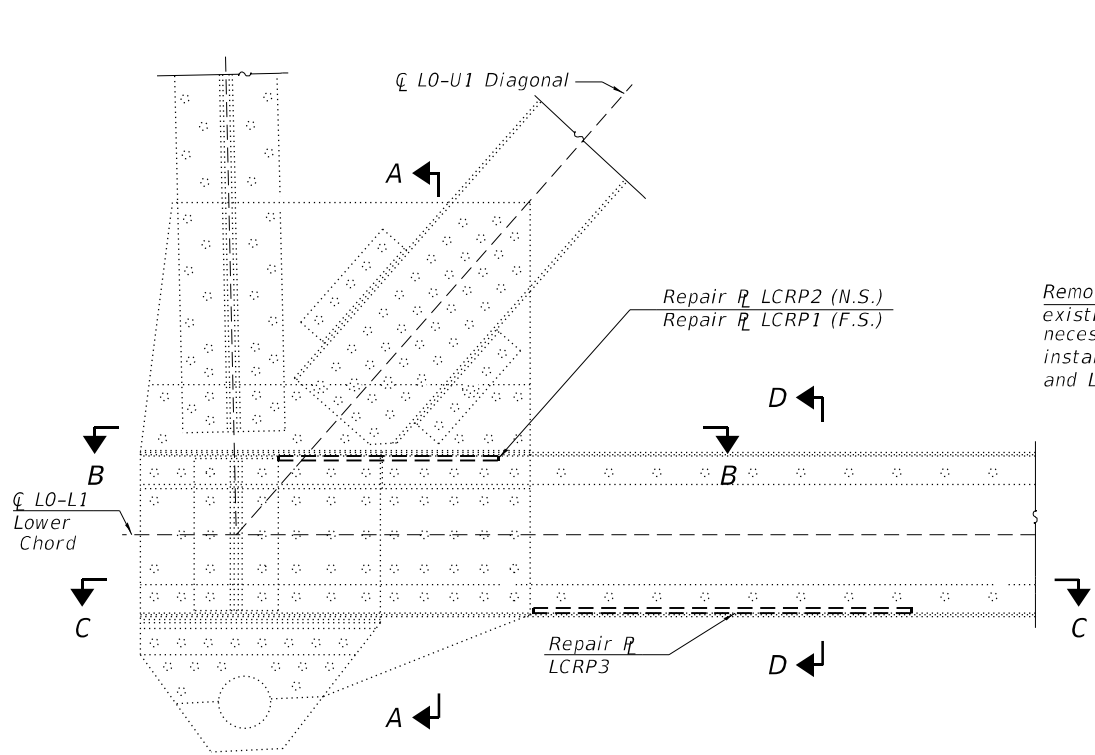
TRUSS MEMBER REPAIRS - 7  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET 539 OF 560 SHEETS

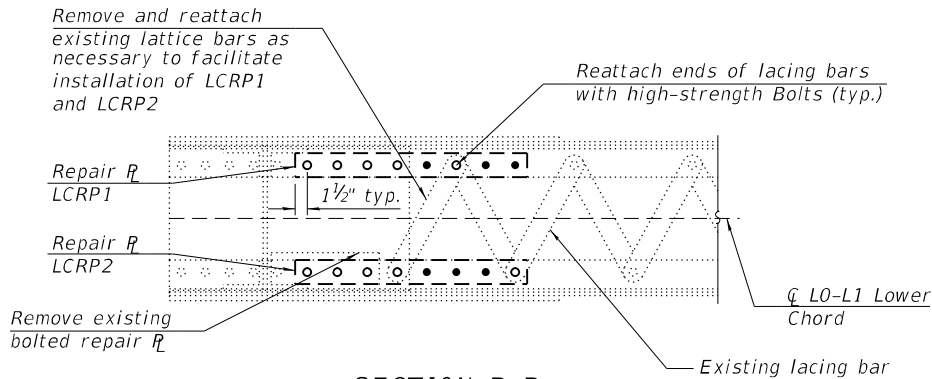
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/AZWELL	115	73
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				



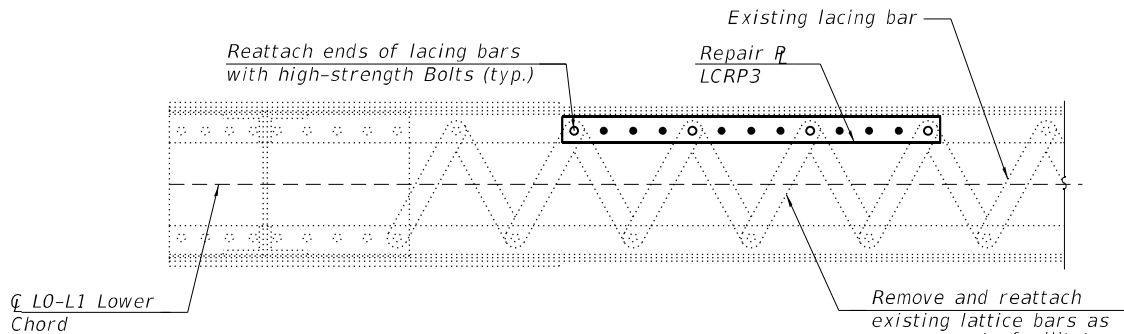
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**LOWER CHORD REPAIR DETAIL**  
(Looking North)



**SECTION B-B**  
(Bracing and strut not shown for clarity)

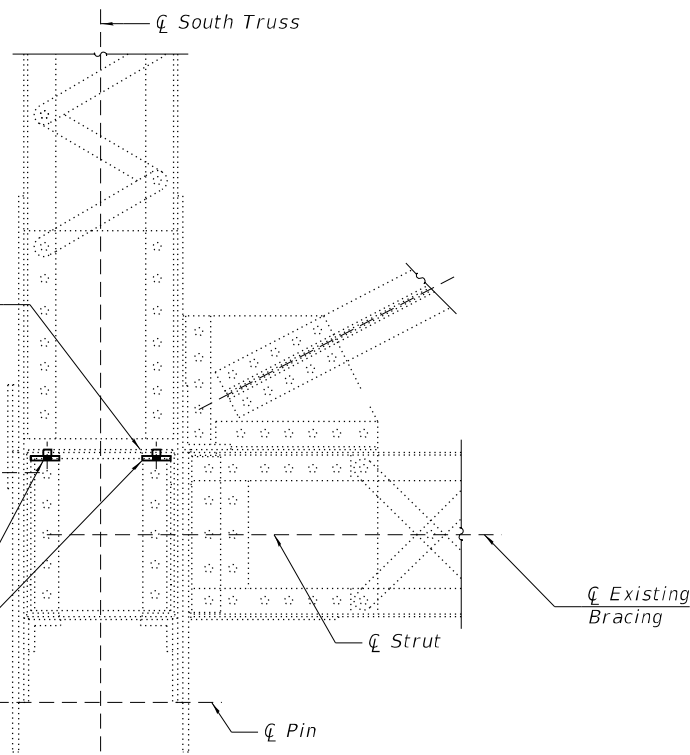


**SECTION C-C**  
(Bracing and strut not shown for clarity)

**CHORD REPAIR LOCATIONS**

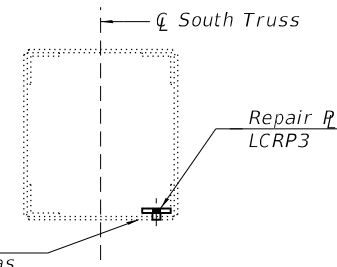
NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	LCRP1	LCRP2	LCRP3
198	18	South	L0L1	As shown	1	1	-
474	19	South	L0L1	As shown	-	-	1

Remove and reattach existing lattice bars as necessary to facilitate installation of LCRP1 and LCRP2



**SECTION A-A**

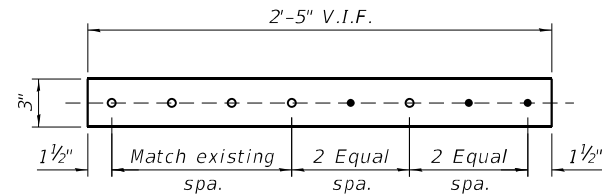
Remove and reattach existing lattice bars as necessary to facilitate installation of LCRP3



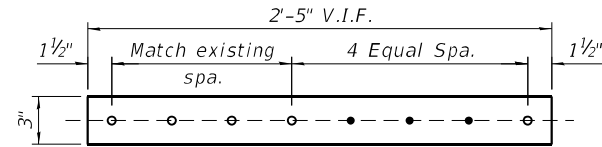
**SECTION D-D**

**BILL OF MATERIALS**

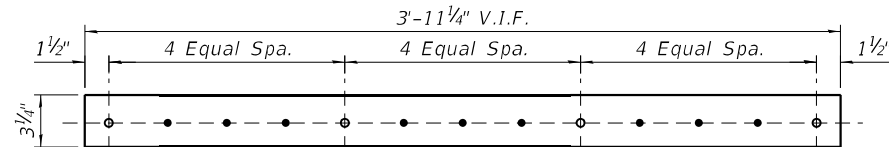
Item	Unit	Total
Structural Steel Repair	Pound	70
Structural Steel Removal	Pound	20



**REPAIR R LCRP1**  
R 5/8" x 3" x 2'-5"  
(1 required)



**REPAIR R LCRP2**  
R 5/8" x 3" x 2'-5"  
(1 required)



**REPAIR R LCRP3**  
R 5/8" x 3 1/4" x 3'-11 1/4"  
(1 required)



Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**LEGEND**

- Existing fastener to remain
- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

**TYLin**

USER NAME = abbas.kazan  
PLOT SCALE = 0:2" = 1'-0"  
PLOT DATE = 1/6/2025

DESIGNED - CMT  
CHECKED - ASK  
DRAWN - CMT  
CHECKED - ASK

REVISED -  
REVISED -  
REVISED -  
REVISED -

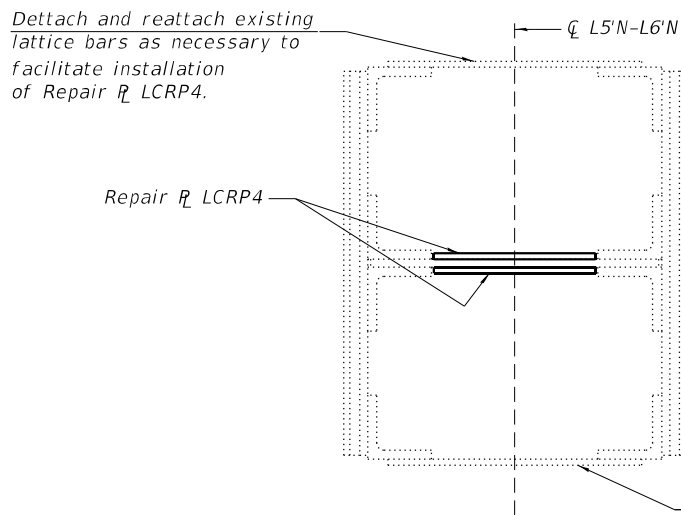
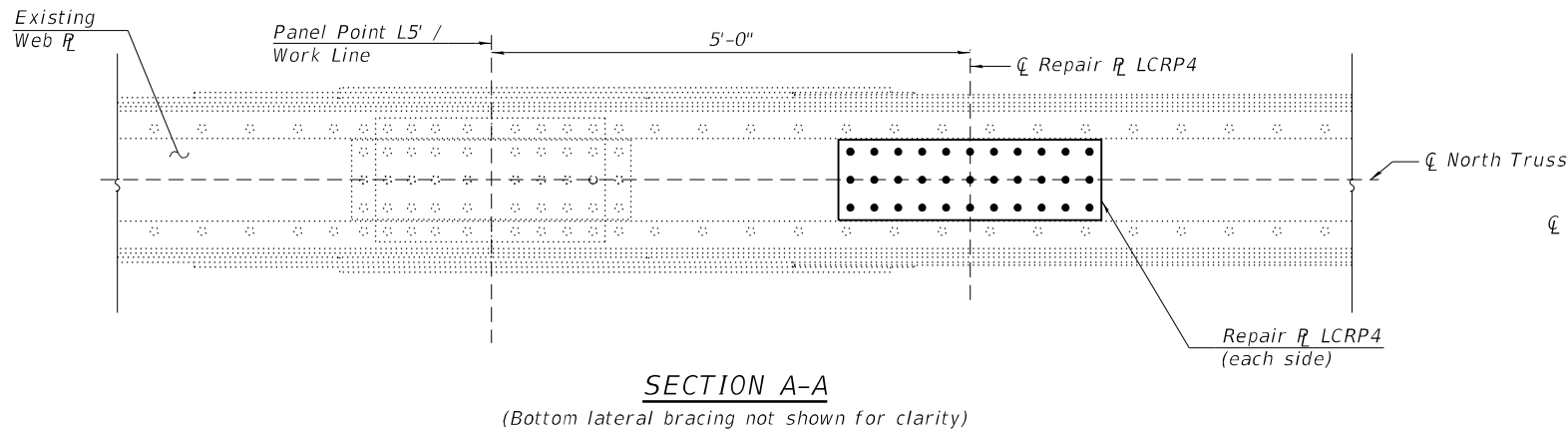
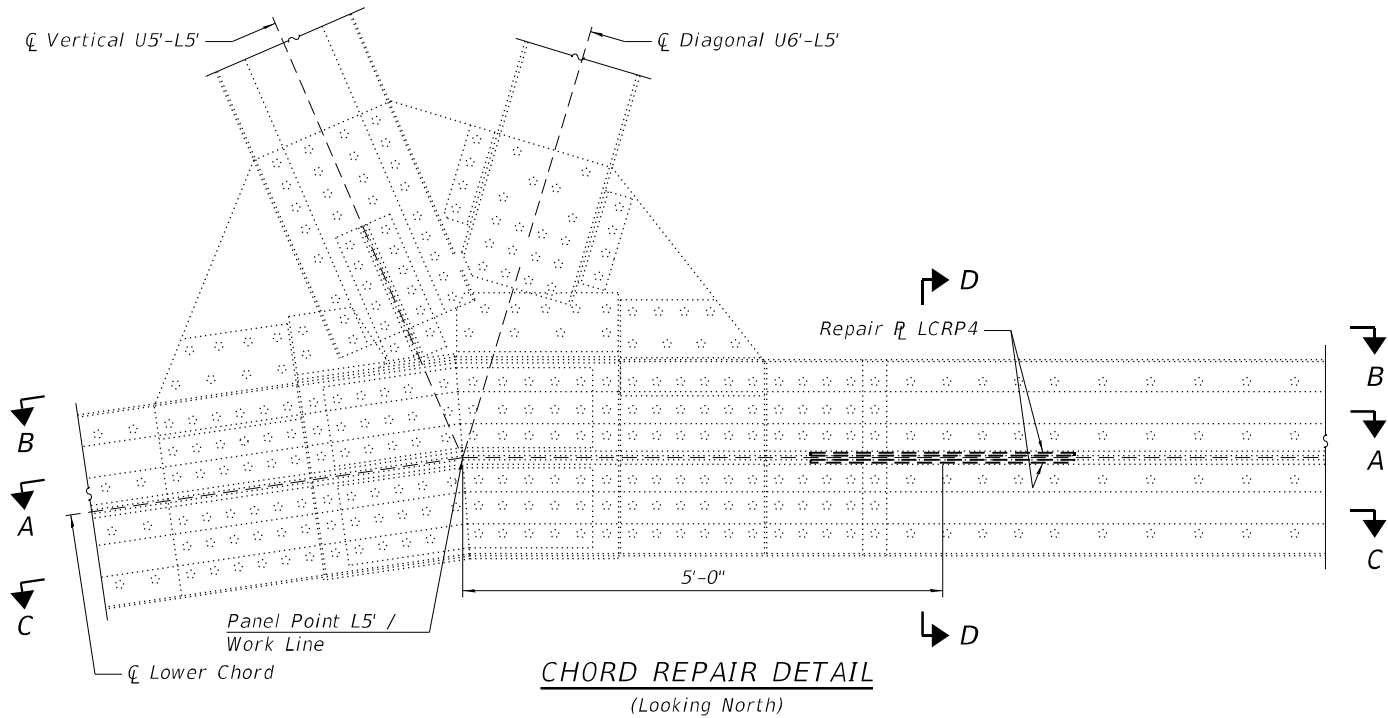
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRUSS MEMBER REPAIRS - 9**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

SHEET S41 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	75
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

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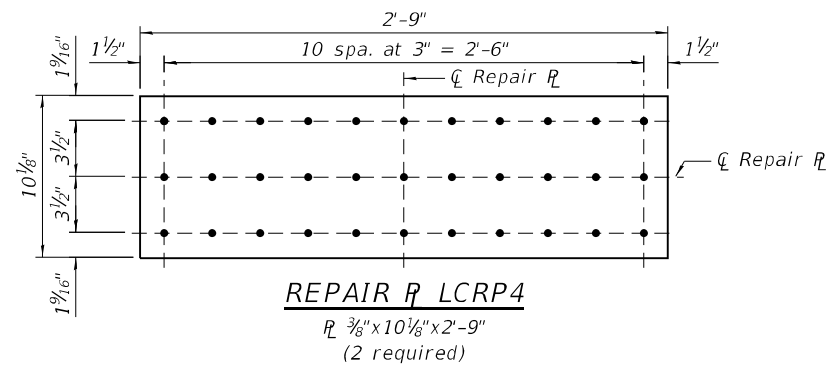
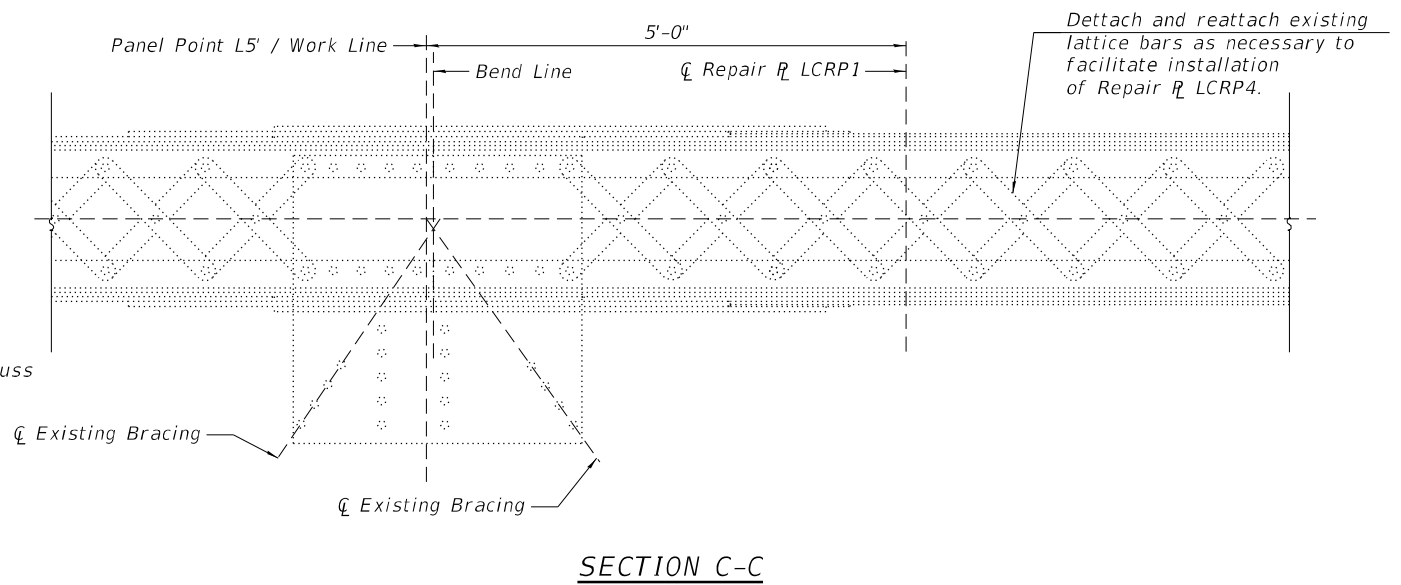
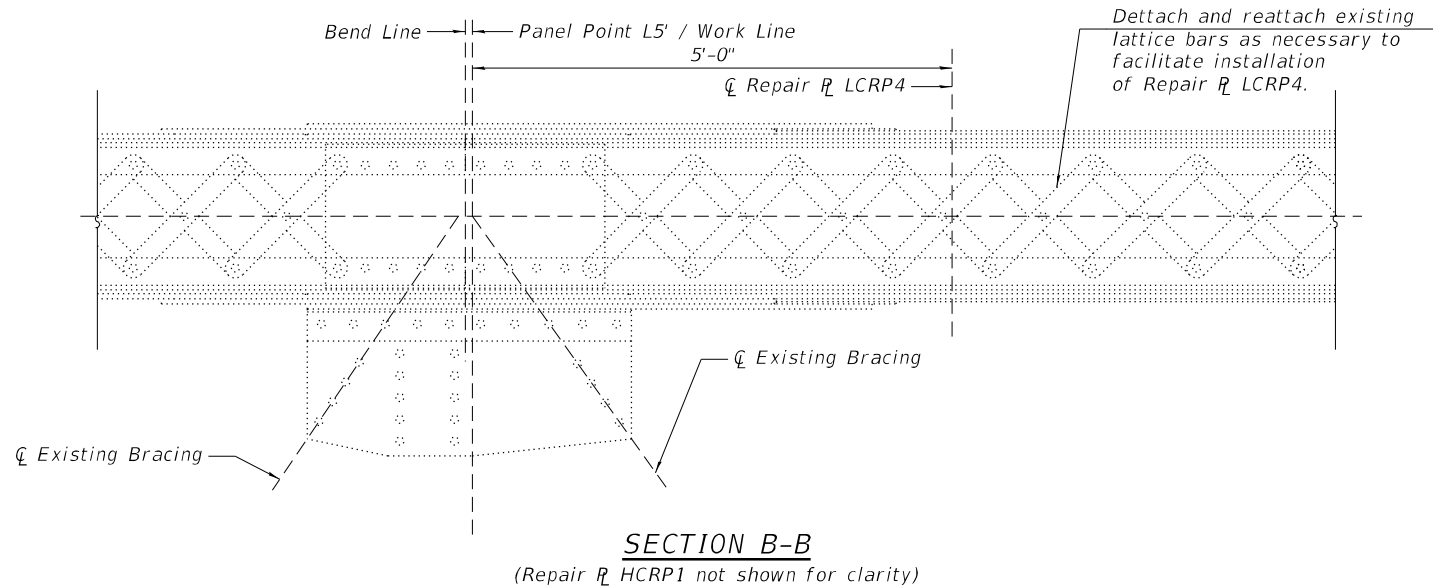


#### BILL OF MATERIALS

Item	Unit	Total
Structural Steel Repair	Pound	80

#### CHORD REPAIR LOCATIONS

NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	LCRP4
121	14	North	L5'L6'	As shown	2



Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

#### LEGEND

- Existing fastener to remain
- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

**TYLin**

USER NAME =	abbas.kazan	DESIGNED -	CMT	REVISED -	
PLOT SCALE =	0:2" / in.	CHECKED -	ASK	REVISED -	
PLOT DATE =	1/6/2025	DRAWN -	CMT	REVISED -	
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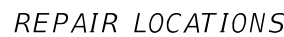
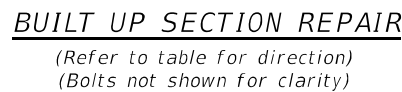
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRUSS MEMBER REPAIRS - 10  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S42 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	76
CONTRACT NO. 68G27				
ILLINOIS				FED. AID PROJECT



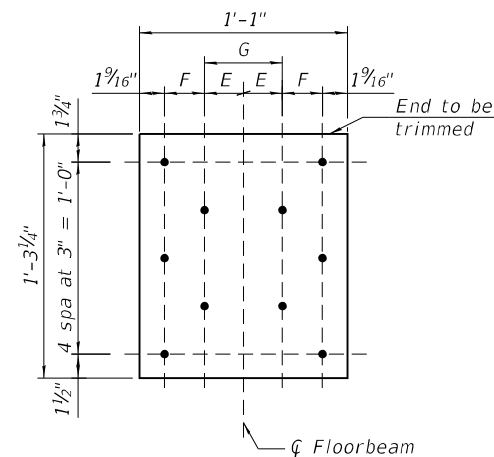
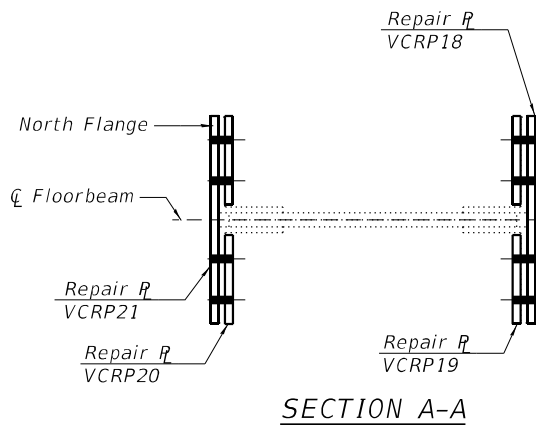


# TYLin

REVISED	-
REVISED	-
REVISED	-
REVISED	-

SHEET S43 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	77
		CONTRACT NO. 68G27		
ILLINOIS		FED. AID PROJECT		

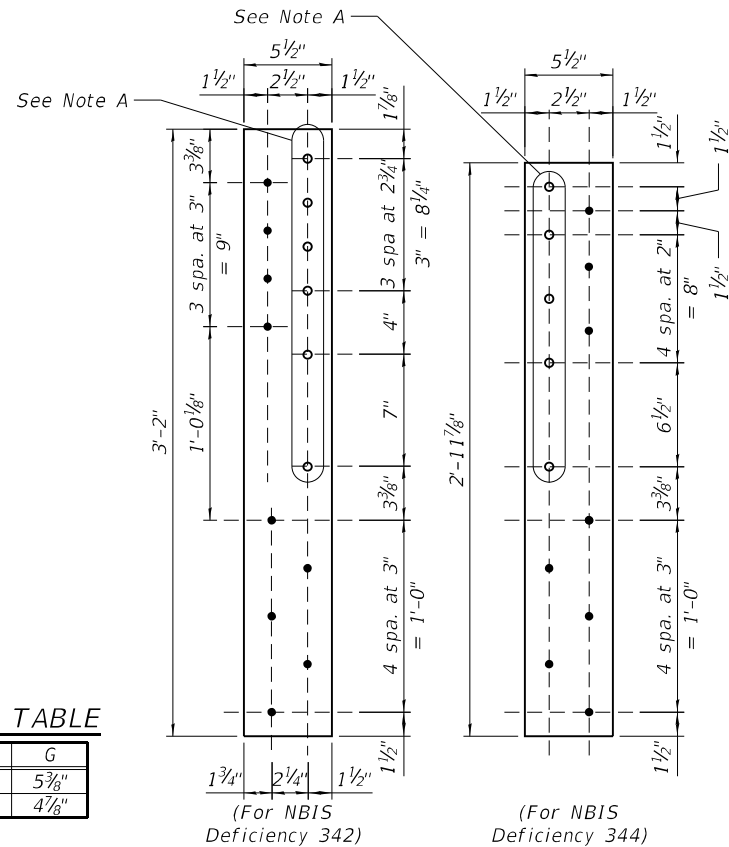


REPAIR R VCRP18

$R \frac{3}{8}'' \times 1' - 3\frac{1}{4}'' \times 1' - 1''$   
(2 required)

*VCRP18 & VCRP21 DIMENSION TABLE*

NBIS Deficiency No.	E	F	G
342	2 <sup>1</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>4</sub> "	5 <sup>3</sup> / <sub>8</sub> "
344	2 <sup>7</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>2</sub> "	4 <sup>7</sup> / <sub>8</sub> "



REPAIR R VCRP19

$R \frac{1}{2}'' \times L \times 5 \frac{1}{2}''$   
(4 required)

*VCRP19 DIMENSION TABLE*

NBIS Deficiency No.	L
342	3'-2"
344	2'-11 7/8"

VCRL1 DIMENSION TABLE

<i>NBIS Deficiency No.</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>
342	1'-6"	1 $\frac{1}{8}$ "	1 $\frac{3}{8}$ "	3 $\frac{1}{4}$ "
344	1'-7 $\frac{1}{2}$ "	2 $\frac{1}{8}$ "	1 $\frac{3}{8}$ "	3 $\frac{3}{4}$ "

Note A:  
Field drill holes using existing holes as a template.  
Remainder of holes may be shop or field drilled.

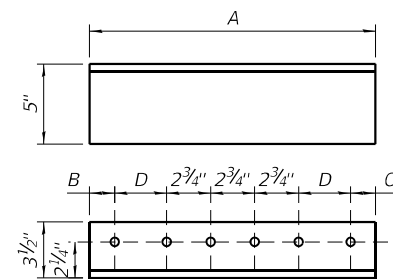
LEGEND

- Existing fastener to remain
- New  $\frac{7}{8}$ " dia. A325 bolt in new  $\frac{1}{2}$ " dia. hole. Field drill  $\frac{1}{2}$ " dia. holes for  $\frac{7}{8}$ " dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new  $\frac{7}{8}$ " dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

### BILL OF MATERIAL

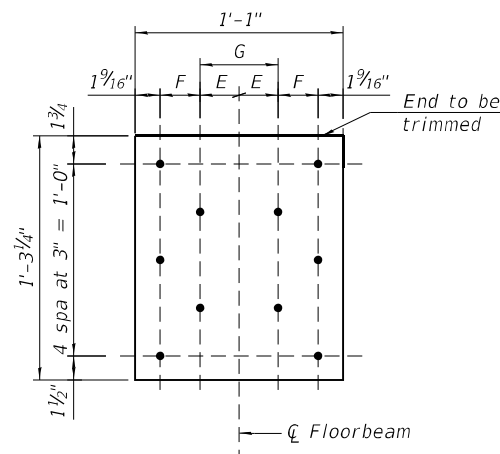
<i>Item</i>	<i>Unit</i>	<i>Total</i>
<i>Structural Steel Repair</i>	<i>Pound</i>	<i>520</i>
<i>Structural Steel Removal</i>	<i>Pound</i>	<i>140</i>

Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.



ANGLE VCRL1

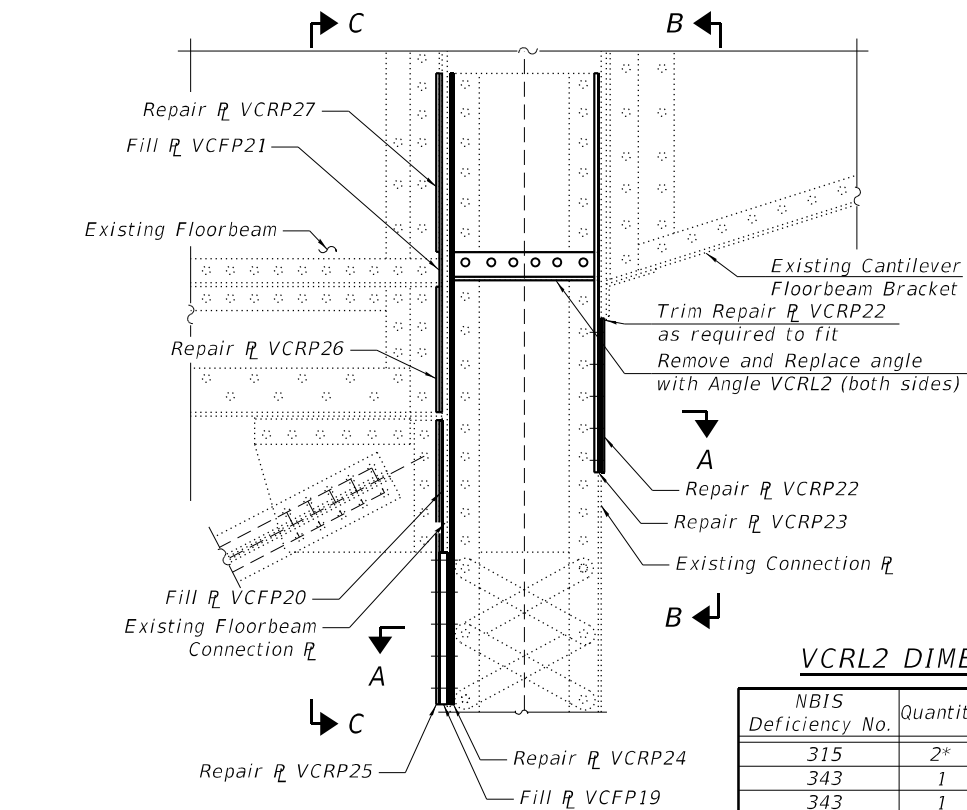
L5x3½x1½" x A  
(2 required as shown)  
(2 required opposite hand)



REPAIR R VCRP21

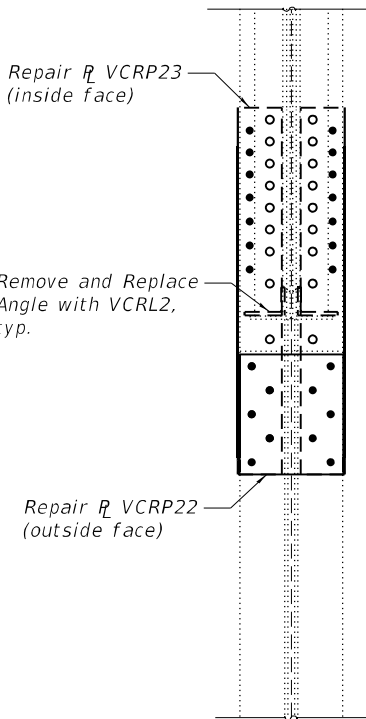
$R \frac{5}{8}'' \times 1' - 3\frac{1}{4}'' \times 1' - 1''$   
(2 required)

MODEL: Default  
FILE NAME: pw:\wyf-pw-bentley.com\tyl\pwr-0\Documents\Projects\30.10.101713.000\_CHBP600\_DSGM\Bridges\04\_Sheets\0900030-68G27-23-TrussMember-12.dgn  
1/6/2025 8:38:34 AM

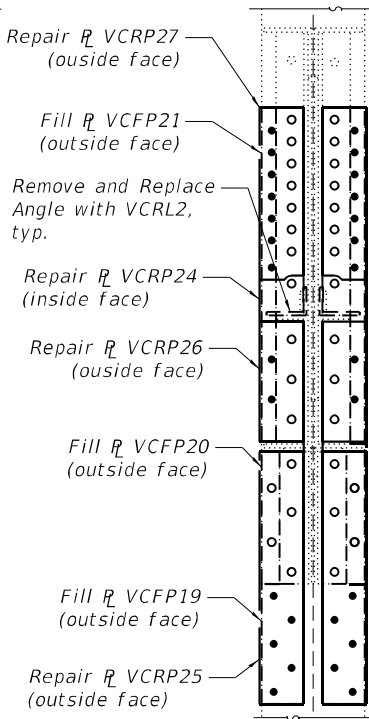


### BUILT UP SECTION REPAIR

(Refer to table for direction)  
(Bolts not shown for clarity)

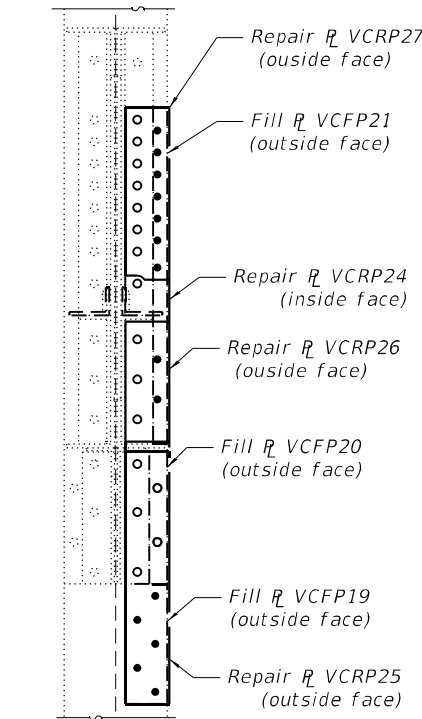


SECTION B-B



SECTION C-C

Span 16, L8-U8



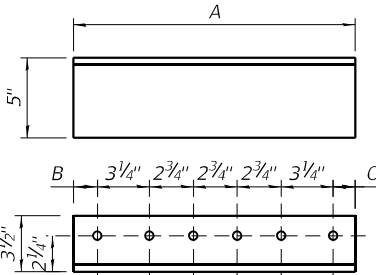
SECTION C-C

Span 12, L0-U0

### VCRL2 DIMENSION TABLE

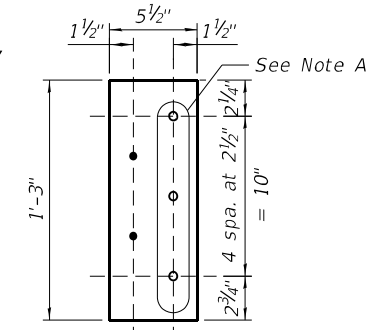
NBIS Deficiency No.	Quantity	A	B	C
315	2*	1'-5 5/8"	1 1/2"	1 3/8"
343	1	1'-5 5/8"	1 1/2"	1 3/8"
343	1	1'-6"	1 1/8"	1 3/8"

### SECTION A-A



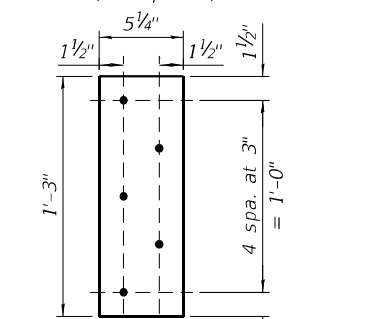
### ANGLE VCRL2

L5x3 1/2 x 1/2" x 1'-5 5/8"



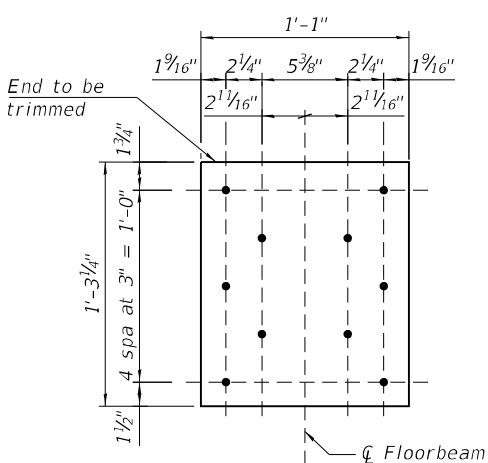
### REPAIR R VCRP26

R 3/8"x1'-3"x5 1/2"  
(3 required)



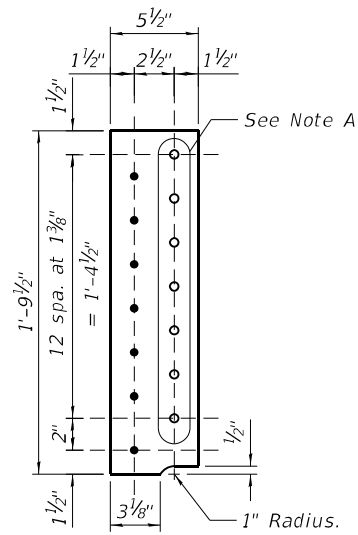
### FILL R VCFP19

R 1"x1'-3"x5 1/4"  
(3 required)



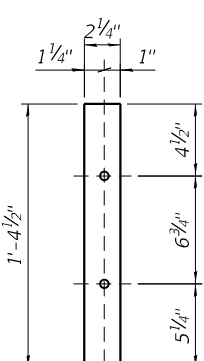
### REPAIR R VCRP22

R 3/8"x1'-3 1/4"x1'-1"  
(2 required)



### REPAIR R VCRP27

R 3/8"x1'-9 1/2"x5 1/2"  
(3 required)



### FILL R VCFP20

R 3/8"x1'-4 1/2"x2 1/4"  
(3 required)

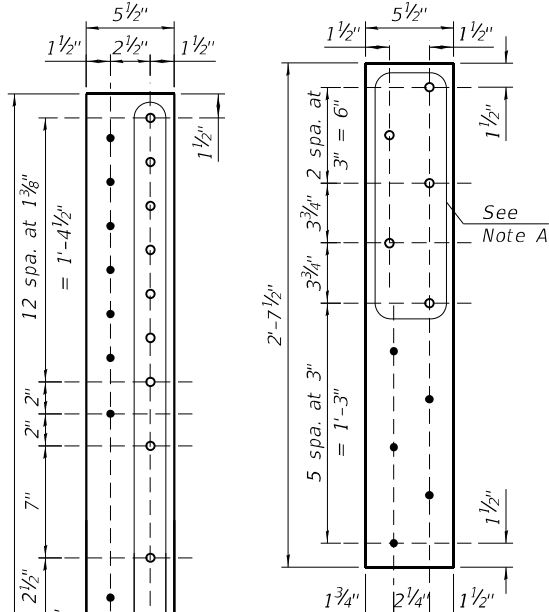
### REPAIR R VCRP23

R 1/2"x3'-9 7/8"x5 1/2"  
(4 required)



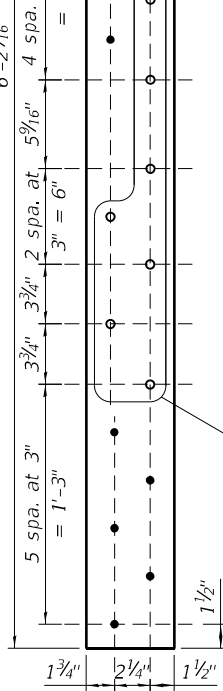
### FILL R VCFP21

R 1/2"x2'-5 1/16"x1 7/8"  
(3 required)



### REPAIR R VCRP25

R 3/8"x2'-7 1/2"x5 1/2"  
(3 required)



### REPAIR R VCRP24

R 3/8"x6'-2 9/16"x5 1/2"  
(3 required)

### LEGEND

Existing fastener to remain

New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.

Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

### BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	690
Structural Steel Removal	Pound	160

Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

TYLin

USER NAME = abbas.kazan  
PLOT SCALE = 0.167' / in.  
PLOT DATE = 1/6/2025

DESIGNED - CMT  
CHECKED - CMT  
DRAWN - ASK  
CHECKED - ASK

REVISED -  
REVISED -  
REVISED -  
REVISED -

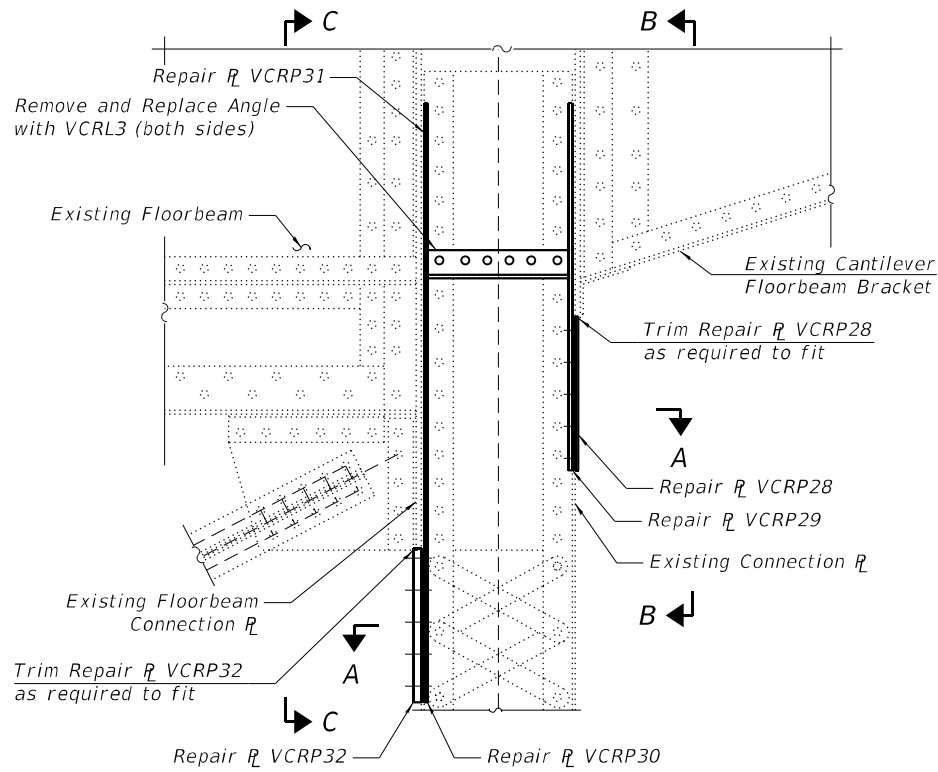
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRUSS MEMBER REPAIRS - 12  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S44 OF 560 SHEETS

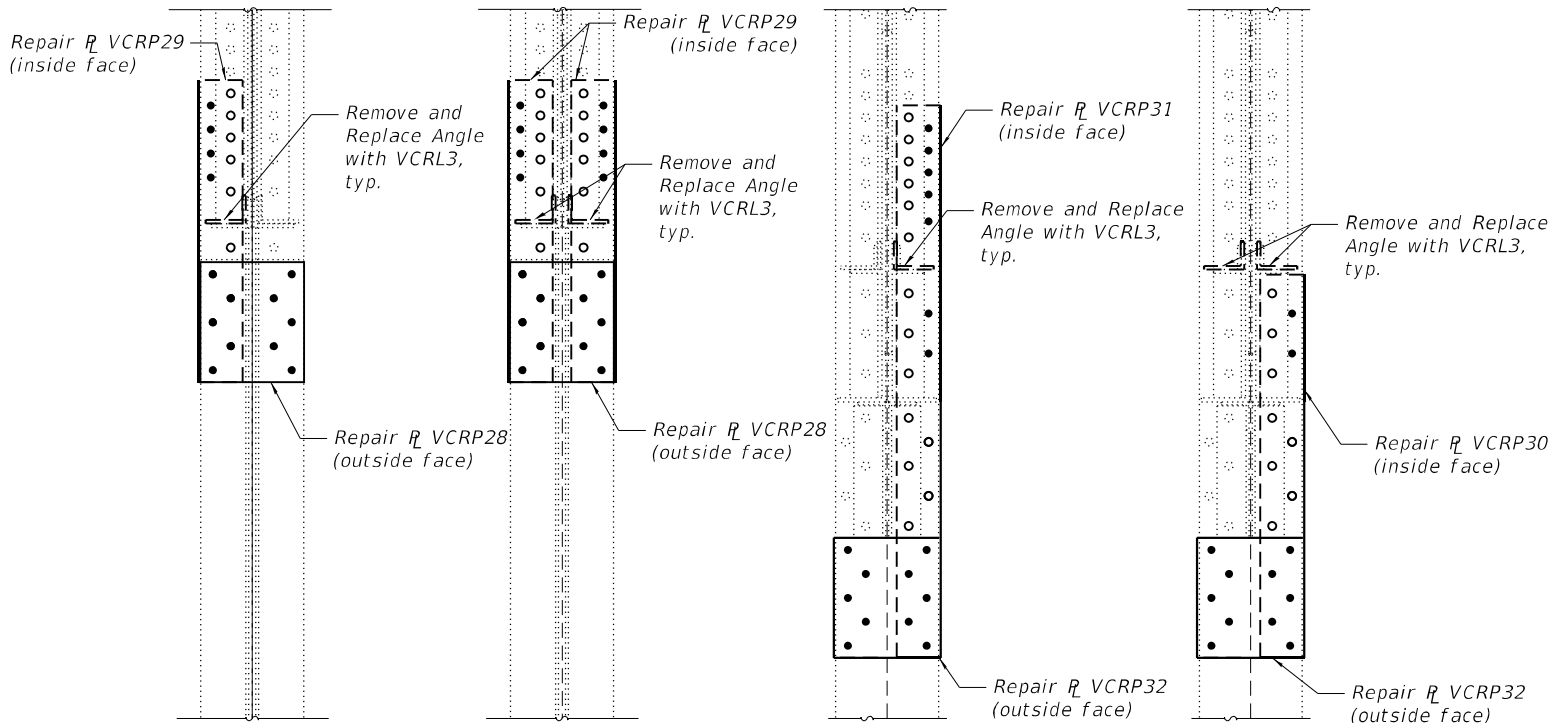
F.A. RTE. 669  
SECTION (103-I-8)BR  
COUNTY PEORIA/AZWELL  
TOTAL SHEETS 115  
SHEET NO. 78  
CONTRACT NO. 68G27  
ILLINOIS FED. AID PROJECT

MODEL: Default  
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### BUILT UP SECTION REPAIR

(Refer to table for direction)  
(Bolts not shown for clarity)



SECTION B-B

Span 16, L0-U0

SECTION B-B

Span 10, L8-U8

SECTION C-C

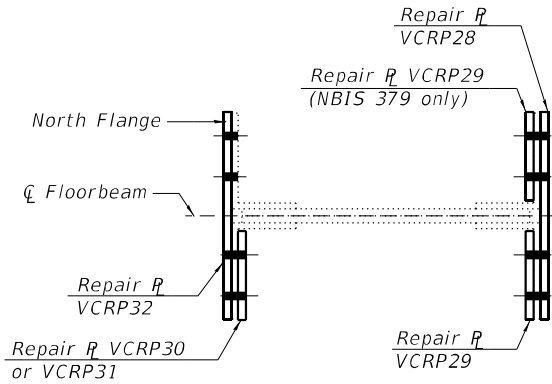
Span 16, L0-U0

SECTION C-C

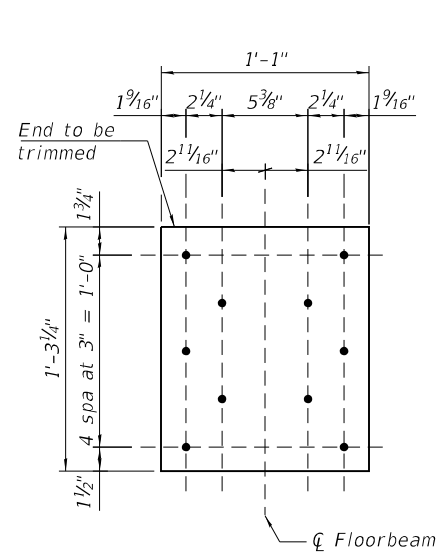
Span 10, L8-U8

### REPAIR LOCATIONS

NBIS Deficiency No.	Span	Truss	Member	Orientation	VCRP28	VCRP29	VCRP30	VCRP31	VCRP32	VCRL3
155	16	South	L0U0	Looking East	1	1	N/A	1	1	1
379	10	North	L8U8	Looking West	1	2	1	N/A	1	2



SECTION A-A

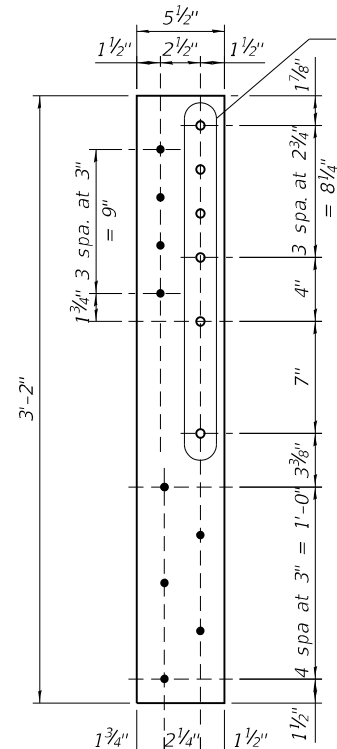


### REPAIR R VCRP28

R 3/8"x1'-3 1/4"x1'-1"  
(2 required)

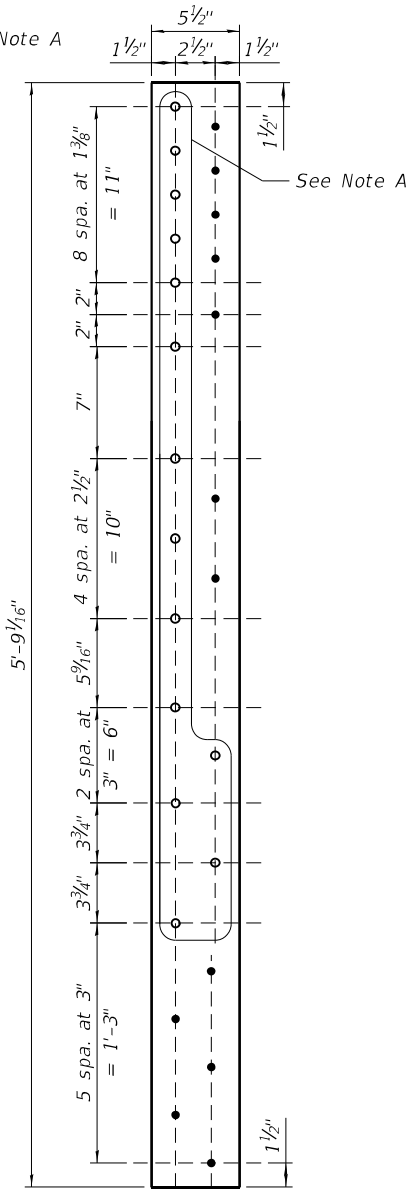
### REPAIR R VCRP32

R 5/8"x1'-3 1/4"x1'-1"  
(2 required)



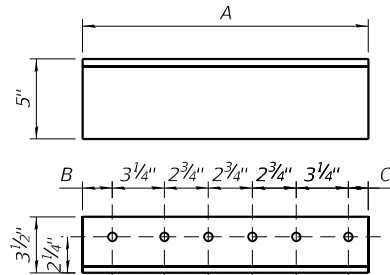
### REPAIR R VCRP29

R 1/2"x3'-2"x5 1/2"  
(3 required)



### REPAIR R VCRP31

R 3/8"x5'-9 1/16"x5 1/2"  
(1 required)



### ANGLE VCRL3

L5x3 1/2x1 1/2" x A  
(2 required as shown)  
(1 required opposite hand)

### VCRL3 DIMENSION TABLE

NBIS Deficiency No.	A	B	C
155	1'-5 5/8"	1 1/2"	1 3/8"
379	1'-6"	1 7/8"	1 3/8"

### REPAIR R VCRP30

R 3/8"x3'-11 3/16"x5 1/2"  
(1 required)

Note A:  
Field drill holes using existing holes as a template.  
Remainder of holes may be shop or field drilled.

### LEGEND

Existing fastener to remain

- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

### BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	370
Structural Steel Removal	Pound	80

Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**TYLin**

USER NAME = abbas.kazan  
PLOT SCALE = 0.167' / in.  
PLOT DATE = 1/6/2025

DESIGNED - CMT  
CHECKED - ASK  
DRAWN - CMT  
CHECKED - ASK

REVISED -  
REVISED -  
REVISED -  
REVISED -

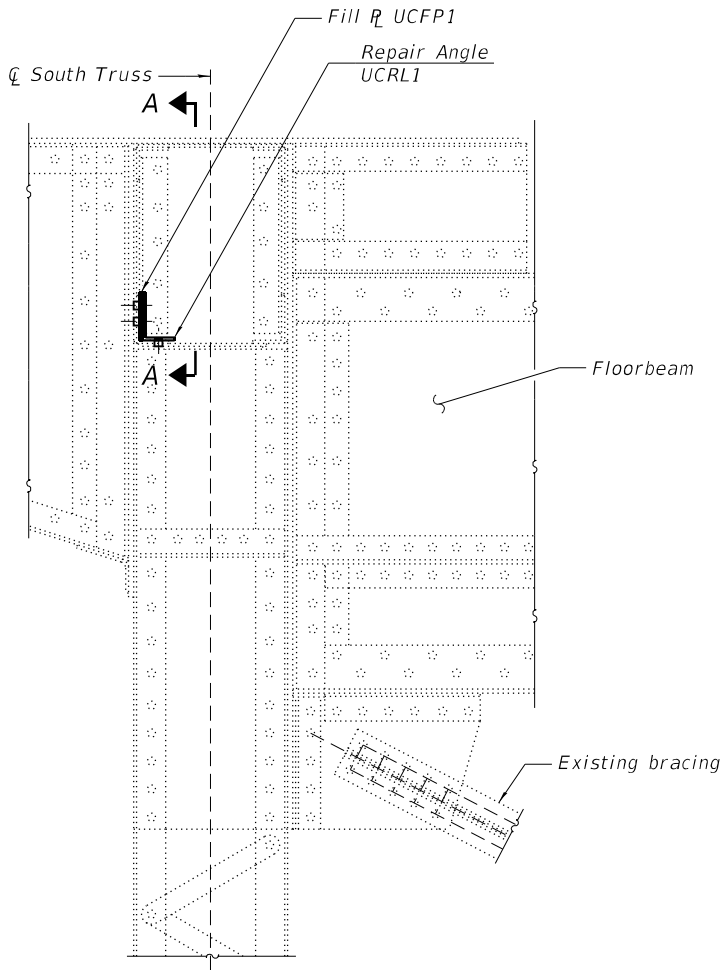
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRUSS MEMBER REPAIRS - 13  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

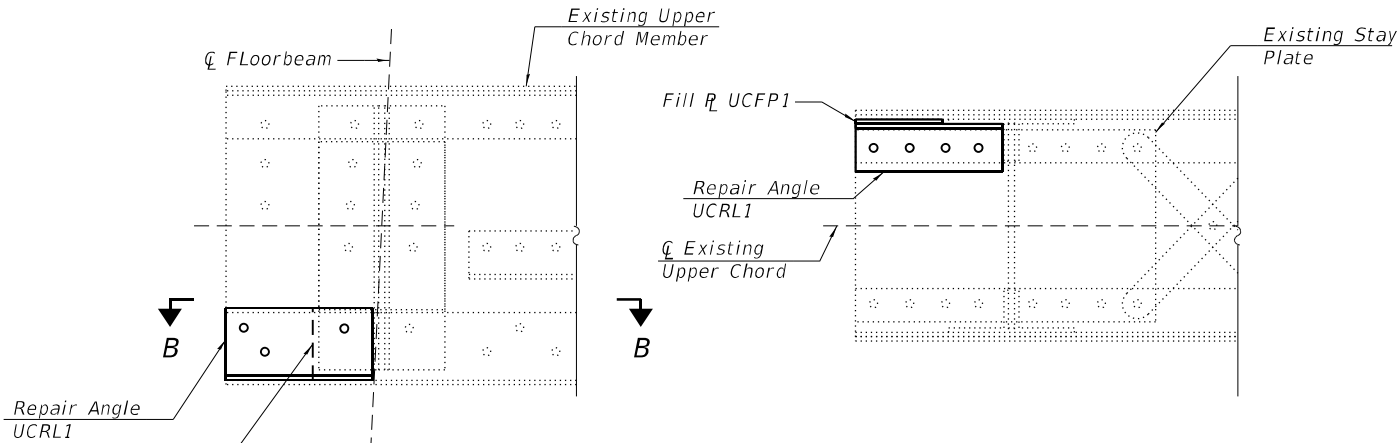
SHEET S45 OF 560 SHEETS

F.A. RTE. 669  
SECTION (103-I-8)BR  
COUNTY PEORIA/AZWELL  
TOTAL SHEETS 115  
SHEET NO. 79  
CONTRACT NO. 68G27  
ILLINOIS FED. AID PROJECT

MODEL: Default  
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**UPPER CHORD REPAIR DETAIL**  
(Looking east)

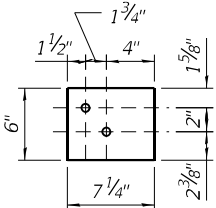
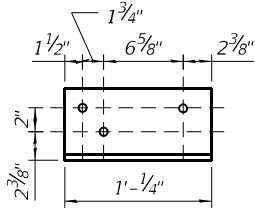
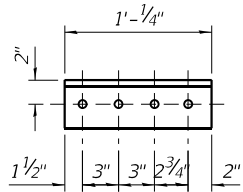


**SECTION A-A**

(Only horizontal chord shown for clarity)

**SECTION B-B**

(Only horizontal chord shown for clarity)



**REPAIR ANGLE UCRL1**

L6x4x1/2 x 1'-1/4"  
(1 required)

**FILL R UCFP1**

R 3/8"x6"x7 1/4"  
(1 required)

**UPPER CHORD REPAIR LOCATIONS**

NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	UCRL1	UCFP1
514	11	North	U0U1	As shown	1	1

**BILL OF MATERIALS**

Item	Unit	Total
Structural Steel Repair	Pound	20
Structural Steel Removal	Pound	5

**LEGEND**

Existing fastener to remain

- New 7/8" dia. A325 bolt in new 15/16" dia. hole. Field drill 15/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

Notes:

For Sealant Details, see Sheet S22 of S60. See Sheet S4 thru S9 for NBIS deficiency locations.

**TYLin**

USER NAME = abbas.kazan  
PLOT SCALE = 0.167' / in.  
PLOT DATE = 1/6/2025

DESIGNED - CMT  
CHECKED - ASK  
DRAWN - CMT  
CHECKED - ASK

REVISED -  
REVISED -  
REVISED -  
REVISED -

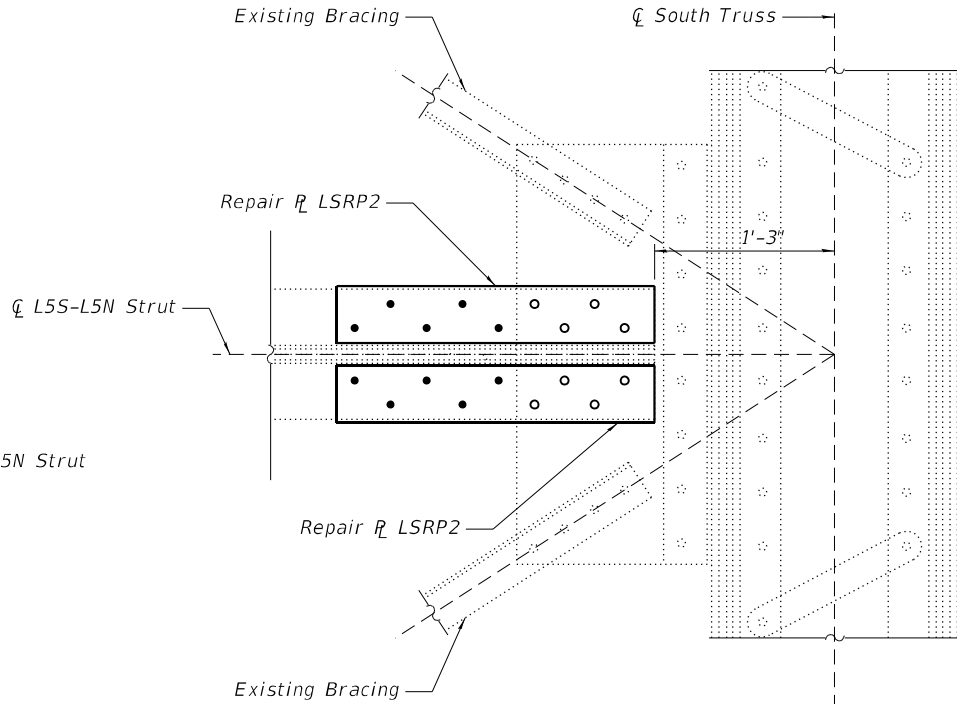
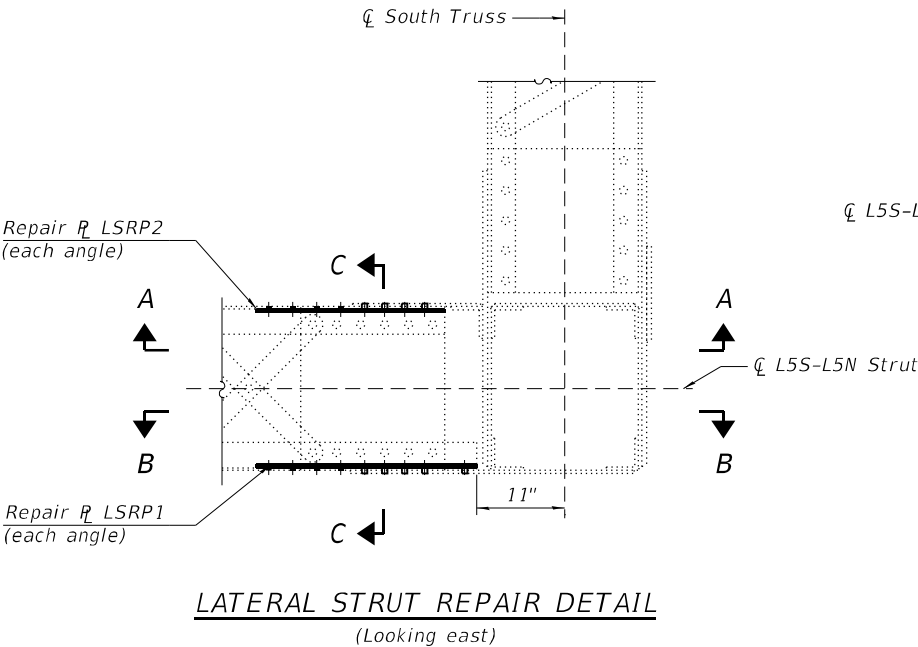
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRUSS MEMBER REPAIRS - 14**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

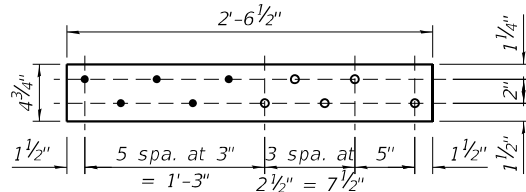
SHEET 546 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/AZWELL	115	80
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
FILE NAME: pw:\yfpw-bentley.com\tyl\pwr-01\Documents\Projects\3010.0101713.000\_CHBP600\_DSGM\Bridges\04\_Sheets\09000030-68G27-26a-TrussMember-15.dgn

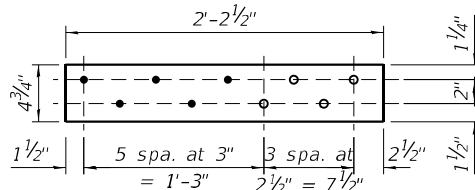


SECTION A-A



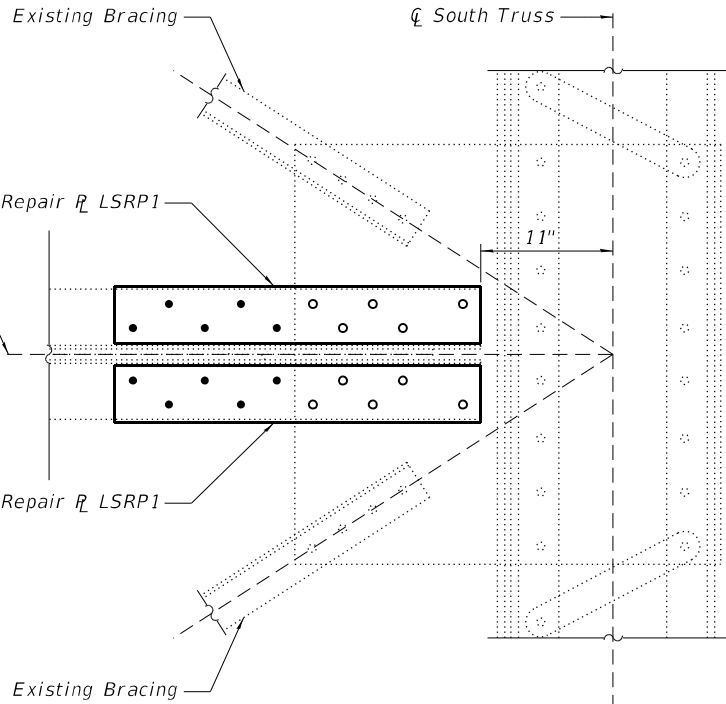
REPAIR  $R_{LSRP1}$

$R_{\frac{1}{2}'' \times 4\frac{3}{4}'' \times 2'-6\frac{1}{2}''}$   
(2 required)

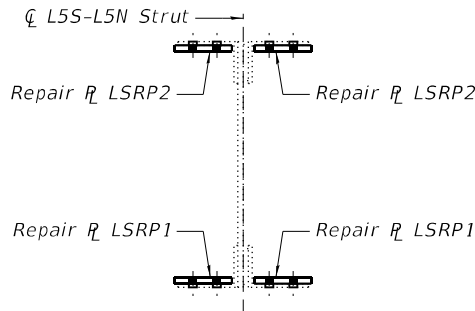


REPAIR  $R_{LSRP2}$

$R_{\frac{1}{2}'' \times 4\frac{3}{4}'' \times 2'-2\frac{1}{2}''}$   
(2 required)



SECTION B-B



SECTION C-C

LEGEND

⊙ Existing fastener to remain

- New  $\frac{7}{8}$ " dia. A325 bolt in new  $1\frac{5}{16}$ " dia. hole. Field drill  $1\frac{5}{16}$ " dia. holes for  $\frac{7}{8}$ " dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new  $\frac{7}{8}$ " dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

BILL OF MATERIALS

Item	Unit	Total
Structural Steel Repair	Pound	90
Structural Steel Removal	Pound	10

LATERAL STRUT REPAIR LOCATIONS

NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	LSRP1	LSRP2
400	12	South	L5L5	As shown	2	2

**TYLin**

USER NAME = abbas.kazan  
PLOT SCALE = 0.167' / in.  
PLOT DATE = 1/6/2025

DESIGNED - CMT  
CHECKED - ASK  
DRAWN - CMT  
CHECKED - ASK

REVISED -  
REVISED -  
REVISED -  
REVISED -

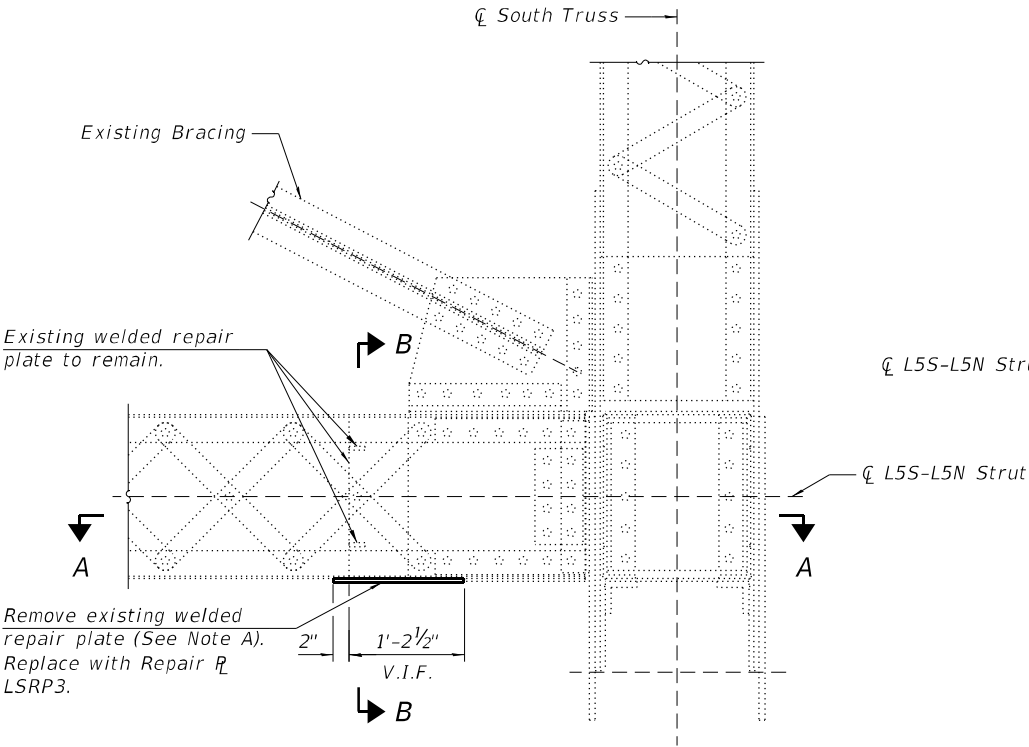
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRUSS MEMBER REPAIRS - 15  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET S47 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	81
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
FILE NAME: pw:\V\pw-bentley.com\tyl\pw-01\Documents\Projects\3010.0101713.000\_CHBP600\_DSGM\Bridges\04\_Sheets\09000030-68G27-26-1-TrussMember-16.dgn



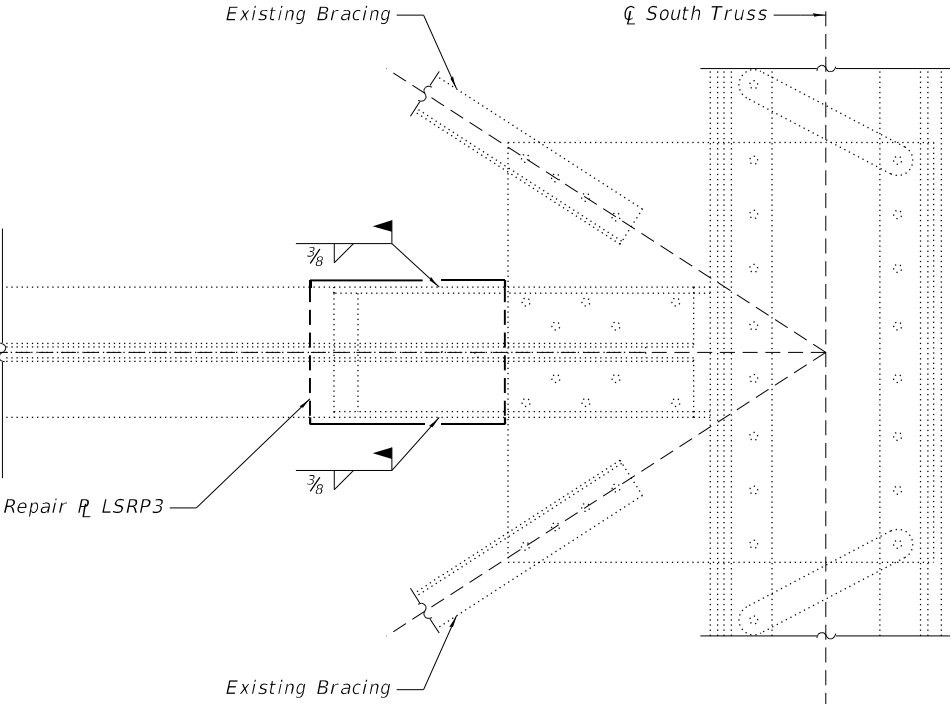
**LATERAL STRUT REPAIR DETAIL**  
(Looking east)



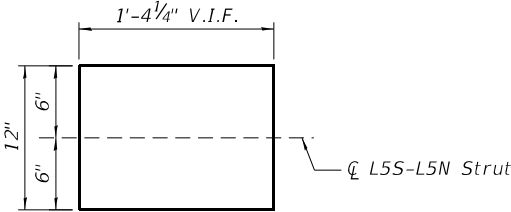
**2024 NBIS 382 PHOTO**

**LATERAL STRUT REPAIR LOCATIONS**

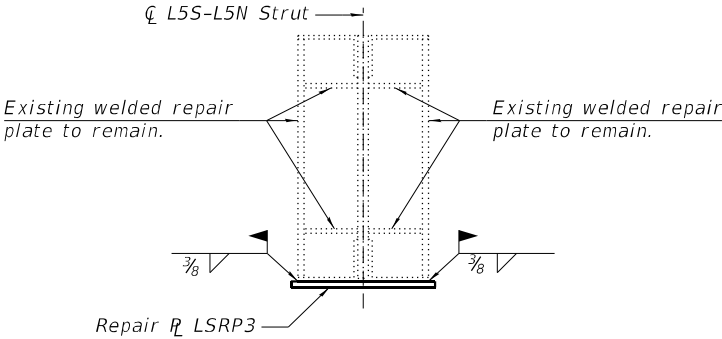
NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	LSRP3
382	11	South	L0L0	As shown	1



**SECTION A-A**



**REPAIR R LSRP3**  
R 1/2"x12"x1'-4 1/4"  
(1 required)



**SECTION B-B**

**LEGEND**

✧ Existing fastener to remain

- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**BILL OF MATERIALS**

Item	Unit	Total
Structural Steel Repair	Pound	30
Structural Steel Removal	Pound	30

Note A:  
Remove existing welded repair plate using "Air-Arc" method. Grind smooth all weld material remaining on the angle flanges.  
Existing welded plate should be cut down the middle to separate the two angles prior to removing the welds.

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRUSS MEMBER REPAIRS - 16**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

SHEET 548 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	82
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

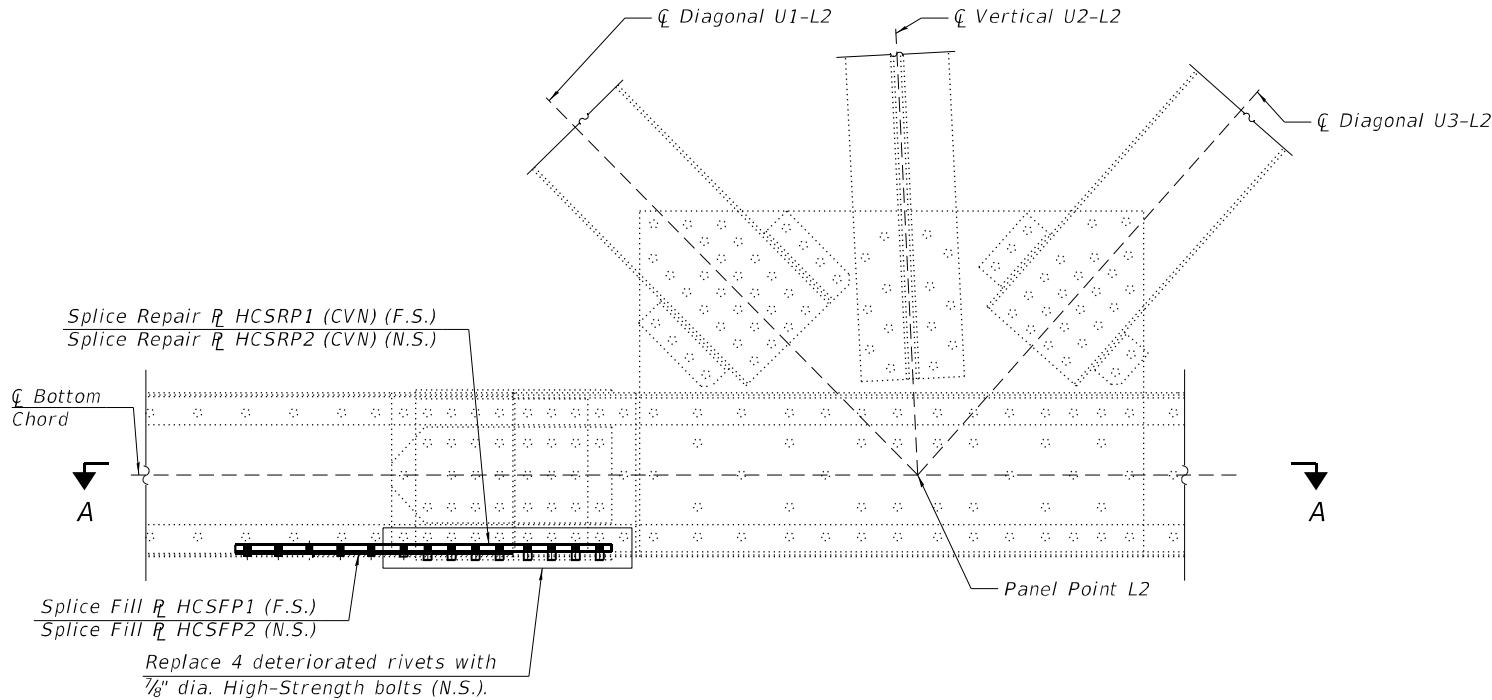
**TYLin**

USER NAME = abbas.kazan  
PLOT SCALE = 0.167' / in.  
PLOT DATE = 1/6/2025

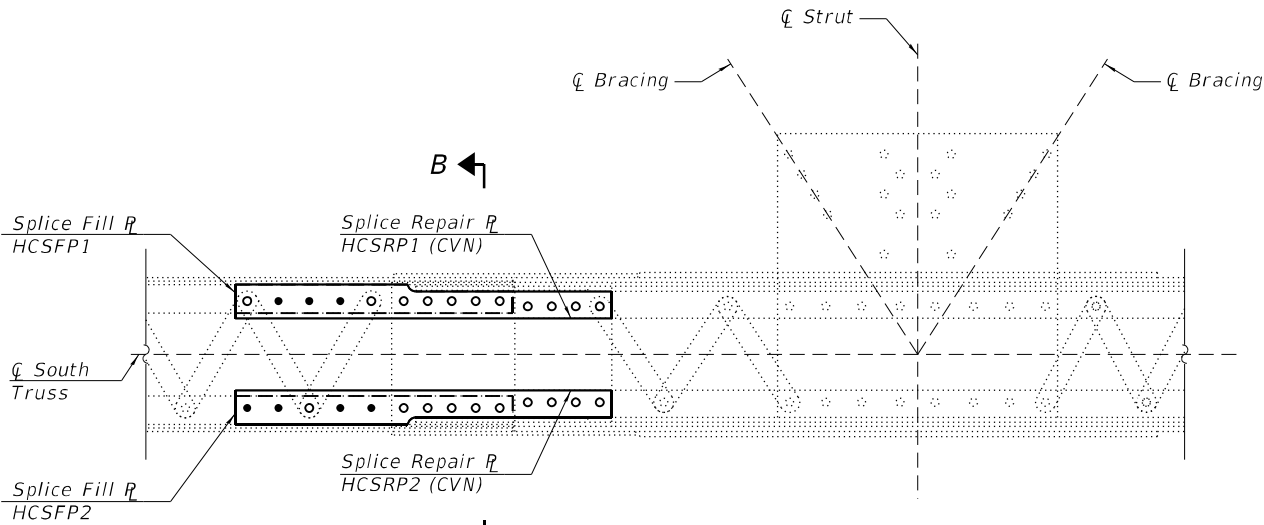
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CHECKED - ASK  
DRAWN - CMT  
CHECKED - ASK

REVISED -  
REVISED -  
REVISED -  
REVISED -

MODEL: Default  
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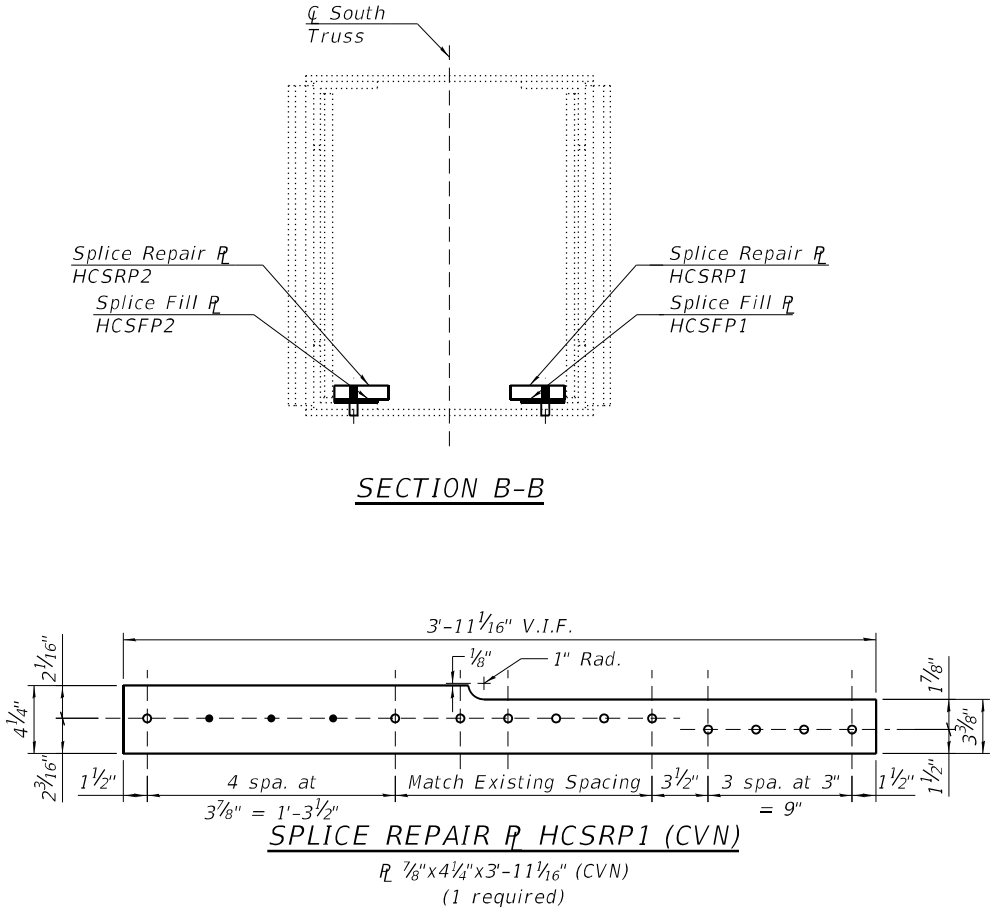
**HORIZONTAL CHORD REPAIR AT SPLICE DETAIL**  
(Looking north)



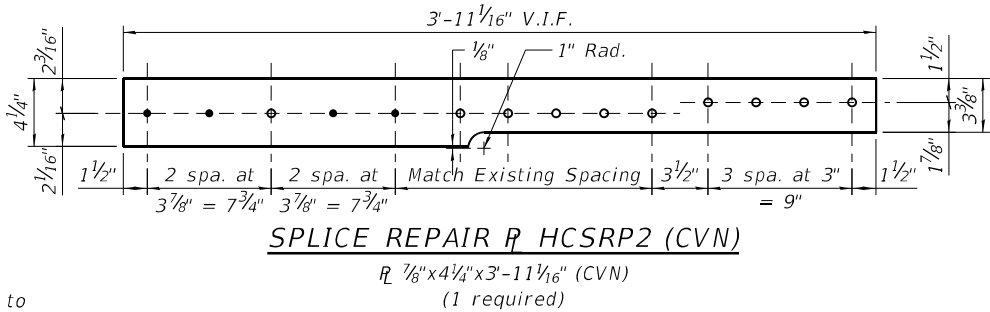
**SECTION A-A**

**HORIZONTAL CHORD REPAIR AT SPLICE LOCATIONS**

NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	HCSR1	HCSR2	HCSFP1	HCSFP2
528	16	South	L1L2	As shown	1	1	1	1

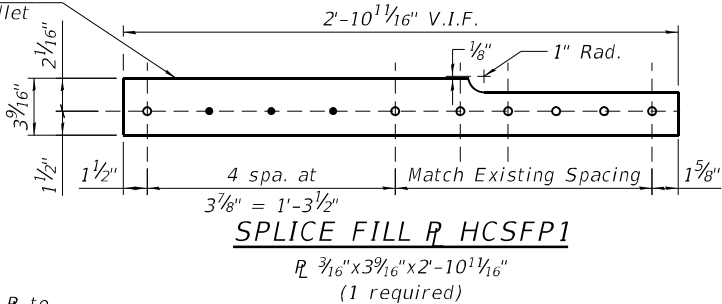


**SPLICE REPAIR R HCSR1 (CVN)**  
R 7/8"x4 1/4"x3'-11 1/16" (CVN)  
(1 required)



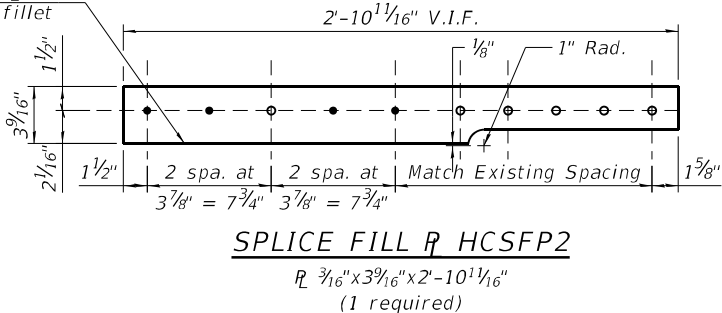
**SPLICE REPAIR R HCSR2 (CVN)**  
R 7/8"x4 1/4"x3'-11 1/16" (CVN)  
(1 required)

Grind edge of fill R to fit existing angle fillet



**SPLICE FILL R HCSFP1**  
R 3/16"x3 9/16"x2'-10 1/16" (1 required)

Grind edge of fill R to fit existing angle fillet



**SPLICE FILL R HCSFP2**  
R 3/16"x3 9/16"x2'-10 1/16" (1 required)

**BILL OF MATERIALS**

Item	Unit	Total
Structural Steel Repair	Pound	130
Structural Steel Removal	Pound	20

**LEGEND**

Existing fastener to remain

- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

Notes:  
Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Energy Requirement, Zone 2.  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**TYLin**

USER NAME = abbas.kazan	DESIGNED - CMT	REVISED -
CHECKED - ASK	REVISOR -	
PLOT SCALE = 0.167' / in.	DRAWN - CMT	REVISED -
PLOT DATE = 1/6/2025	CHECKED - ASK	REVISED -

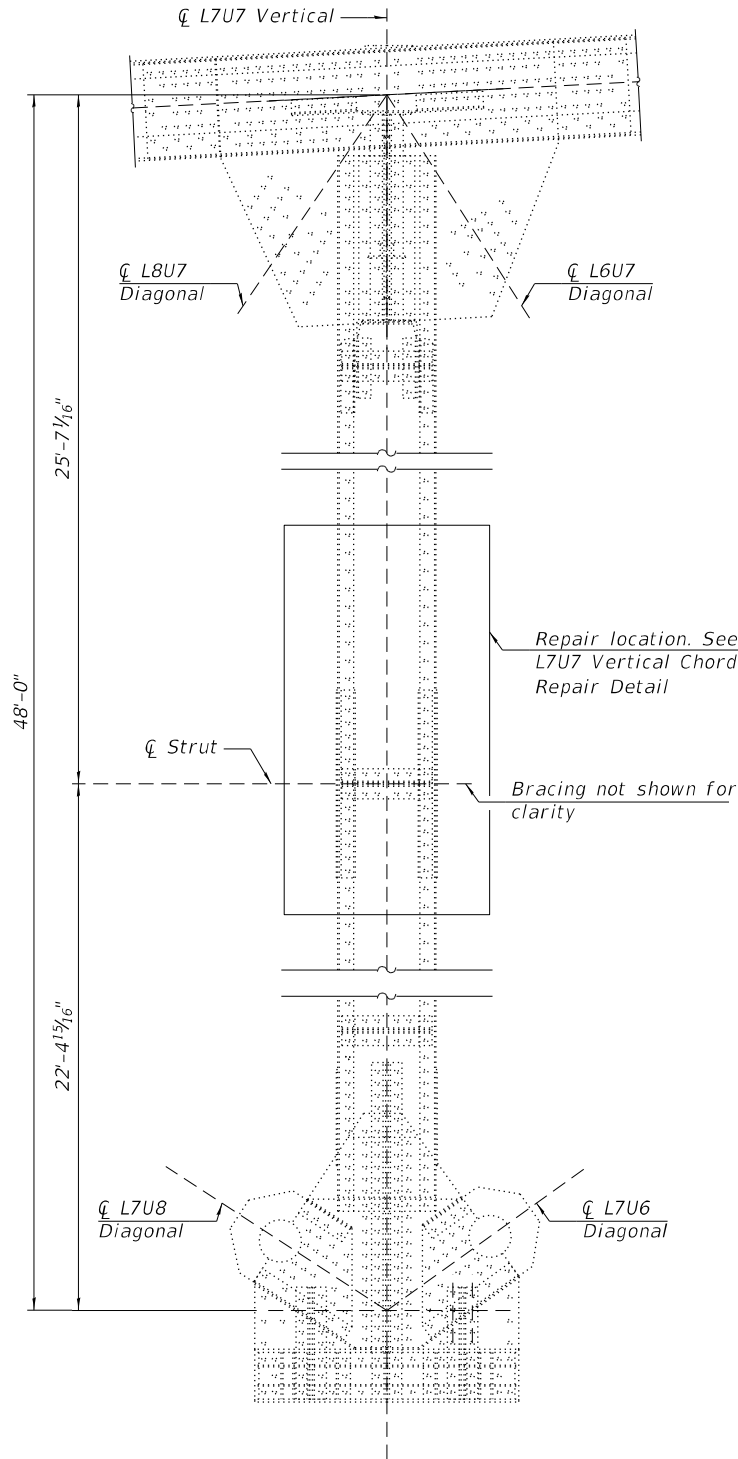
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRUSS MEMBER REPAIRS - 17**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

SHEET 549 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	83
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

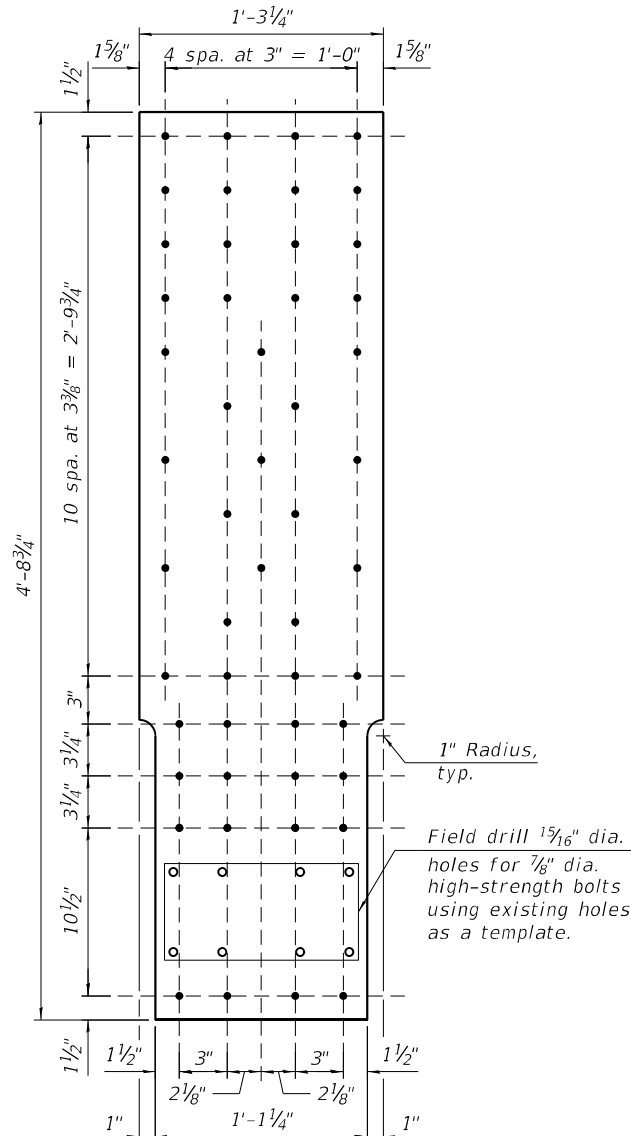
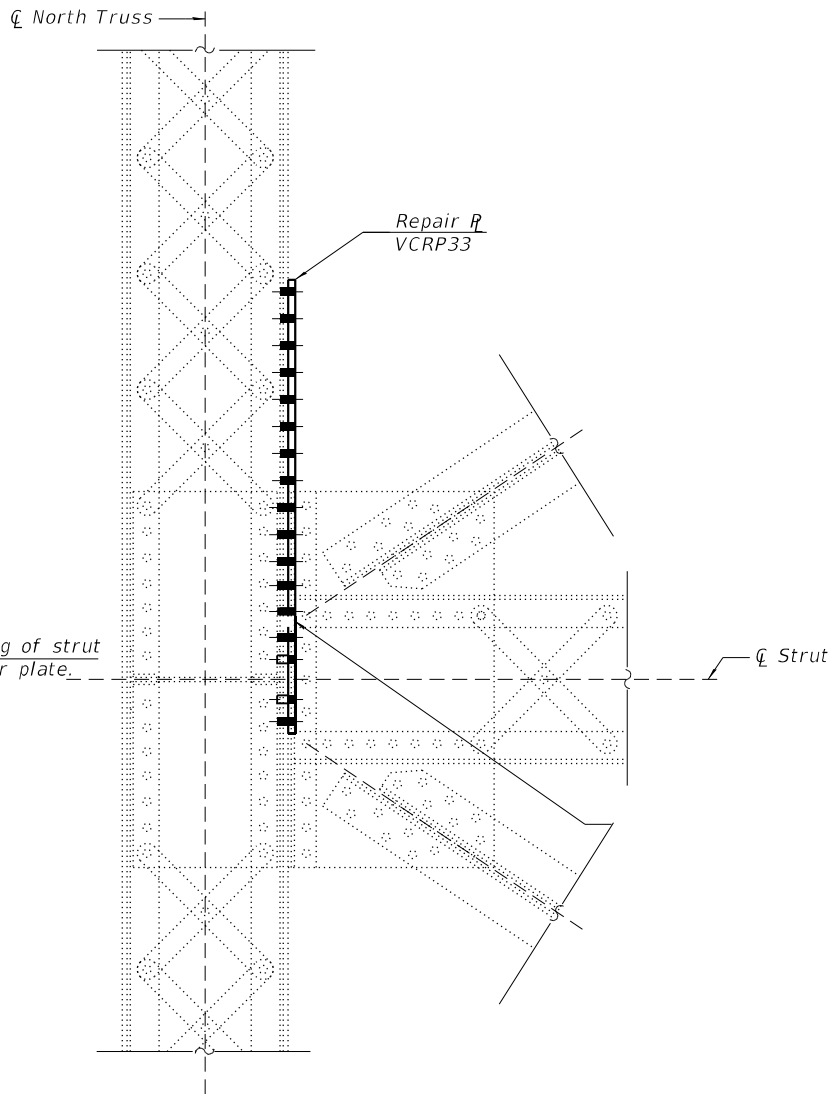
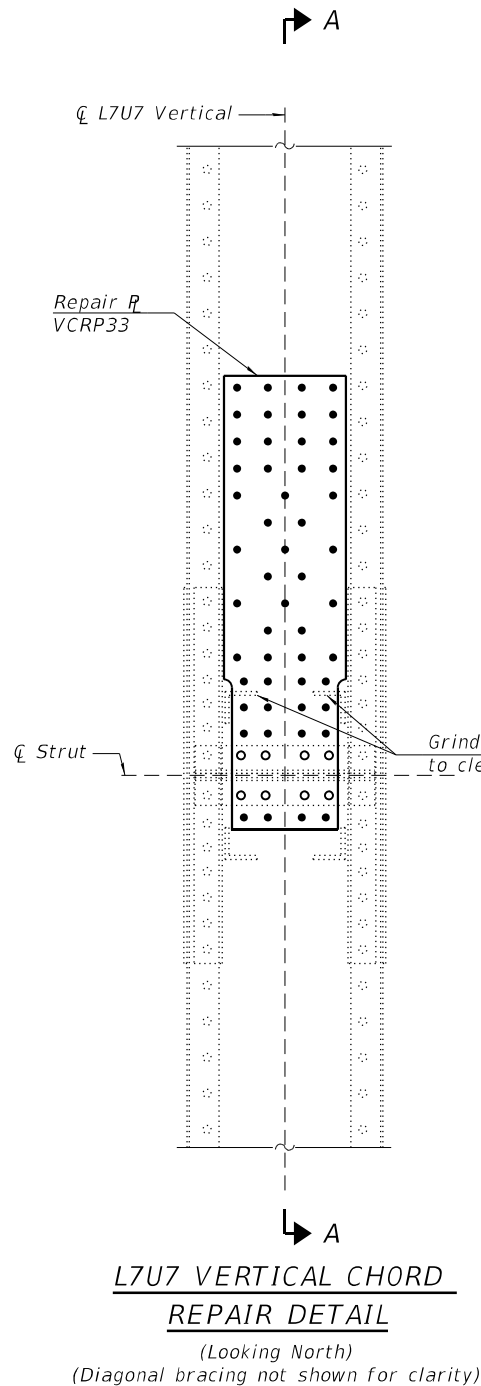
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**L7N-U7N CHORD ELEVATION VIEW**  
(Looking North)

**L7LU CHORD REPAIR LOCATION**

NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	VCRP33
520	13&14	North	L7U7	As shown	1



**REPAIR R VCRP33**  
PL 7/8"x1'-3 1/4"x4'-8 3/4"  
(1 required)

**LEGEND**

⊙ Existing fastener to remain

- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

Notes:  
The cost to straighten the angle legs shall be included with Structural Steel Repair.  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**BILL OF MATERIALS**

Item	Unit	Total
Structural Steel Repair	Pound	240
Structural Steel Removal	Pound	5

**TYLin**

USER NAME =	abbas.kazan	DESIGNED -	CMT	REVISED -	
		CHECKED -	ASK	REVISED -	
PLOT SCALE =	0.167' / in.	DRAWN -	CMT	REVISED -	
PLOT DATE =	1/6/2025	CHECKED -	ASK	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

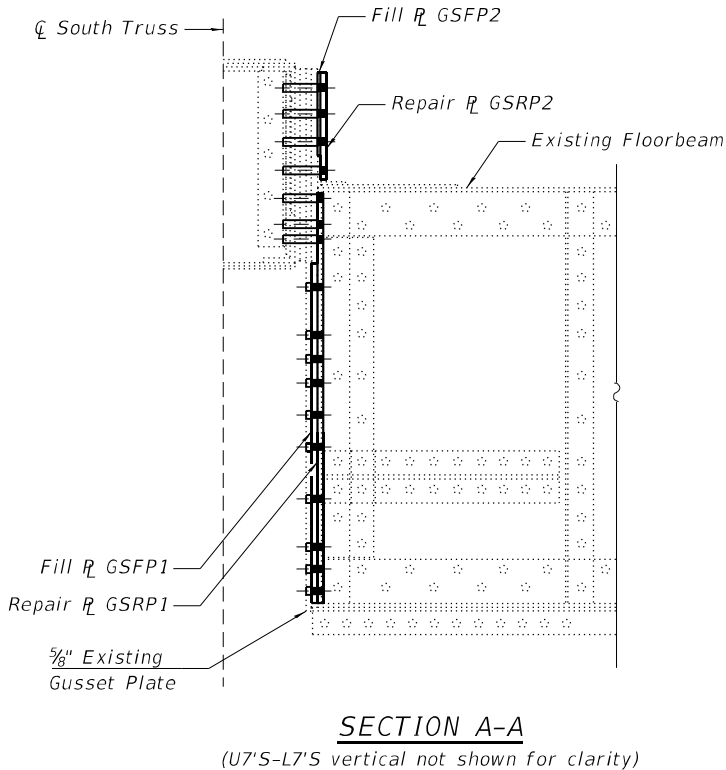
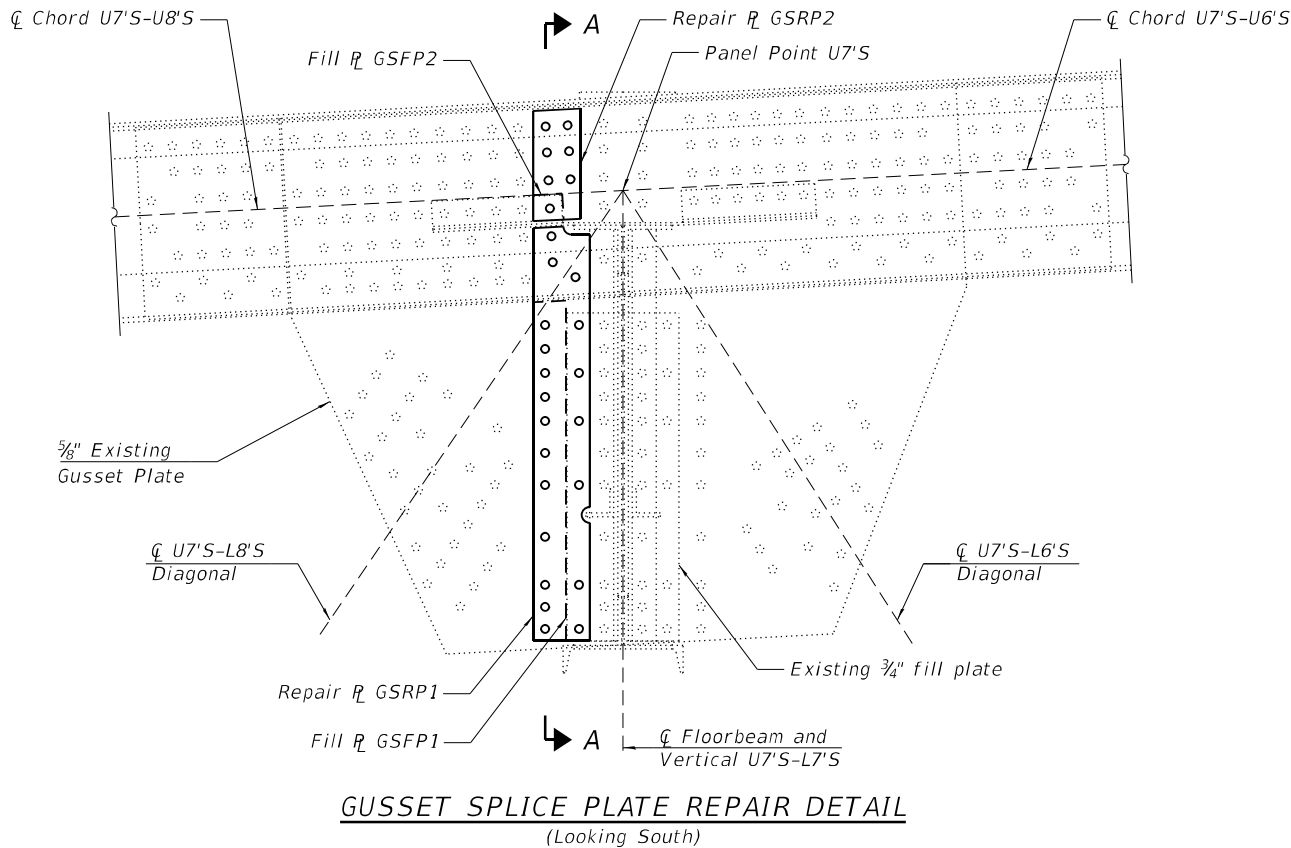
**TRUSS MEMBER REPAIRS - 18**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

SHEET 550 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	84
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

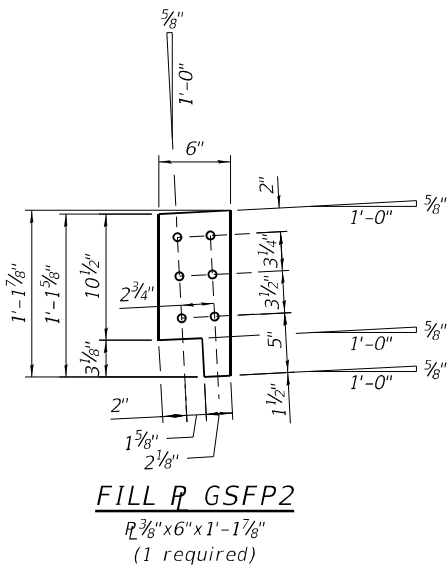
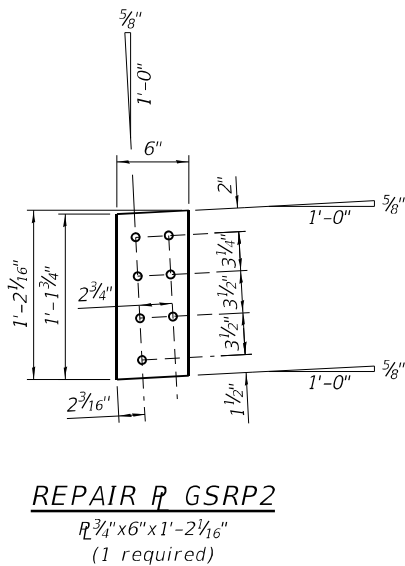
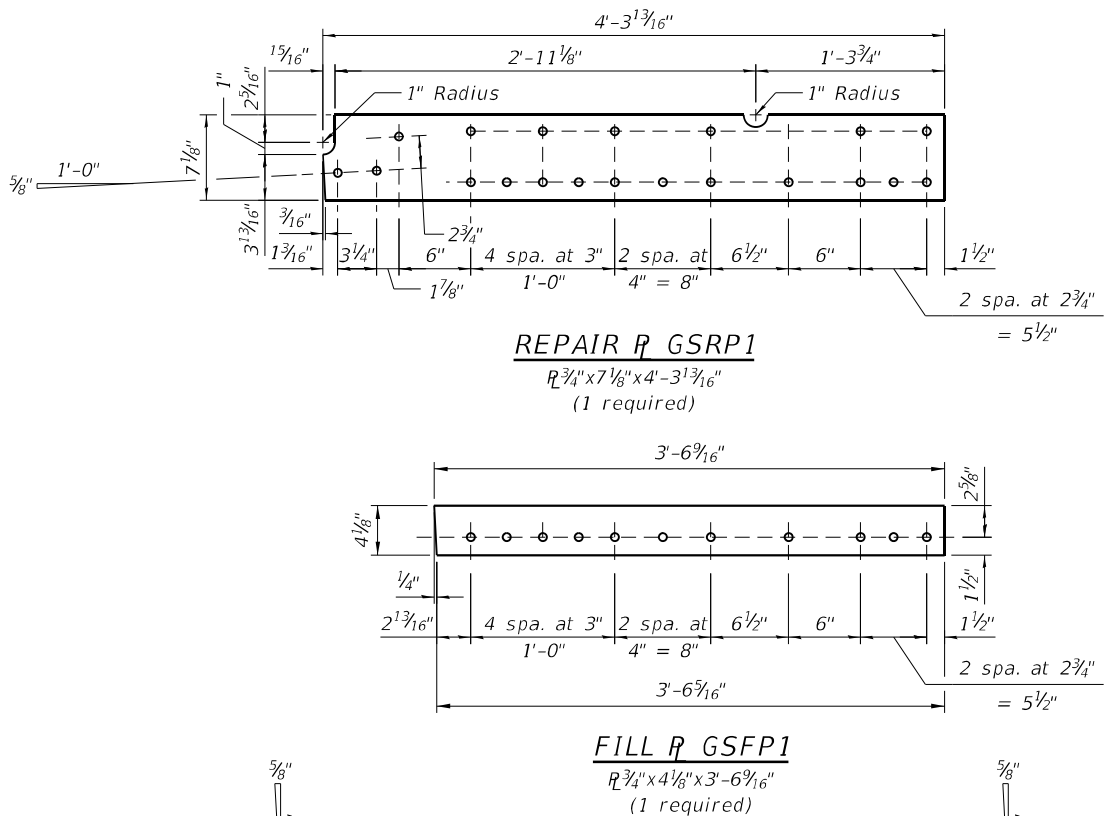


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### GUSSET SPLICE REPAIR

NBIS Deficiency No.	Span	Truss	Member	Detail Orientation	GSRP1	GSRP2	GSFP1	GSFP2
129	15	South	U7'	As shown	1	1	1	1



### LEGEND

- Existing fastener to remain
- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

### BILL OF MATERIALS

Item	Unit	Total
Structural Steel Repair	Pound	160
Structural Steel Removal	Pound	20

Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**TYLin**

USER NAME =	abbas.kazan	DESIGNED -	CMT	REVISED -	
PLOT SCALE =	0.167' / in.	CHECKED -	ASK	REVISED -	
PLOT DATE =	1/6/2025	DRAWN -	CMT	REVISED -	
		CHECKED -	ASK	REVISED -	

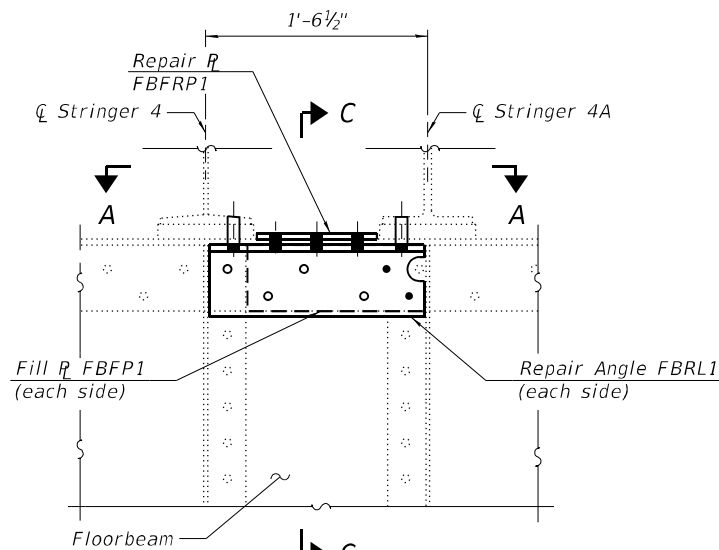
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRUSS MEMBER REPAIRS - 19  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

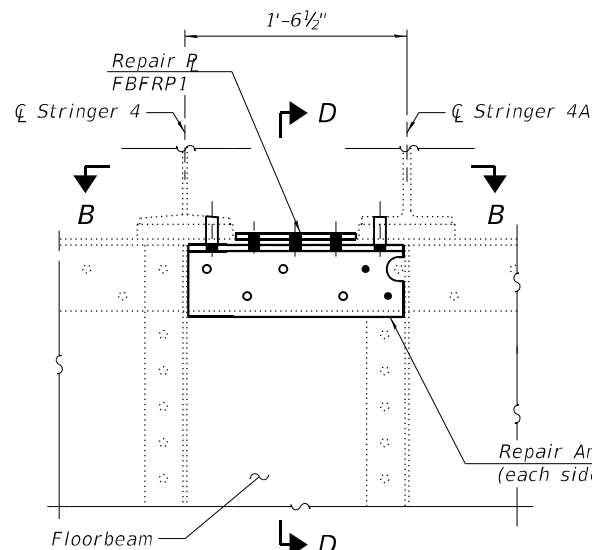
SHEET S51 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/AZWELL	115	85
				CONTRACT NO. 68G27
		ILLINOIS	FED. AID PROJECT	

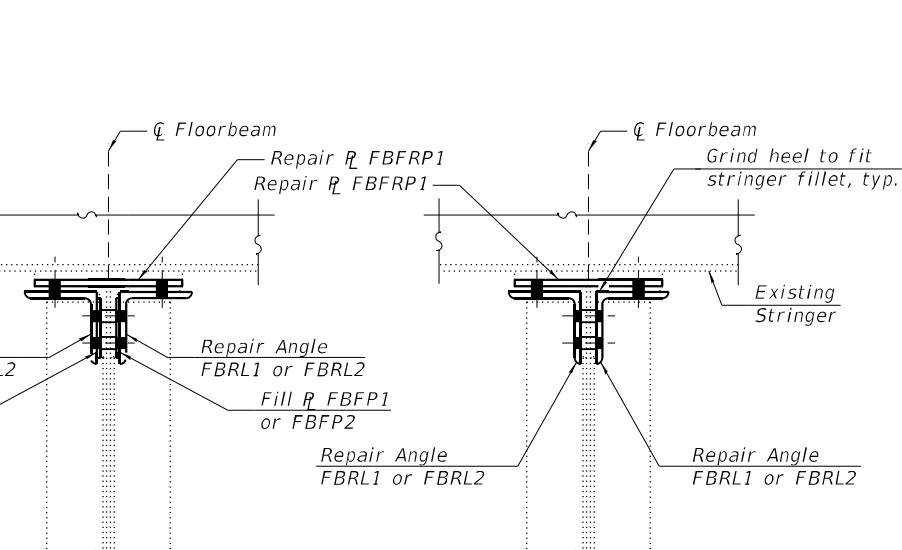
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1/6/2025 8:39:22 AM



**FLOORBEAM TOP FLANGE REPAIR DETAIL 1**  
(Looking East)

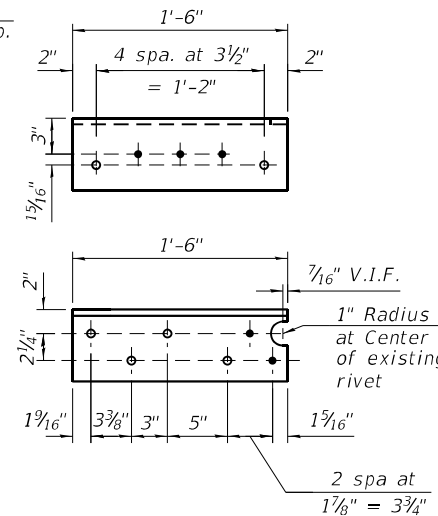


**FLOORBEAM TOP FLANGE REPAIR DETAIL 2**  
(Looking East)



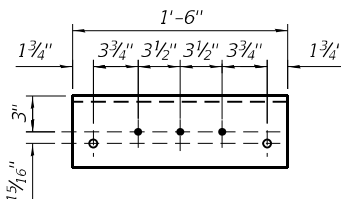
**SECTION C-C**

**SECTION D-D**



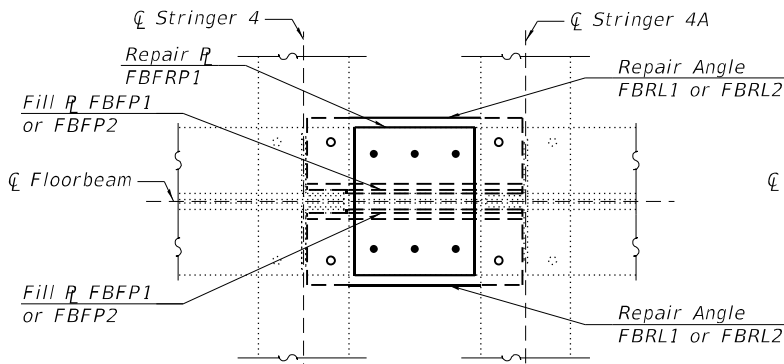
**REPAIR ANGLE FBRL1**

L6x6x1/2 x 1'-6"  
(3 required as shown)  
(3 required opposite hand)

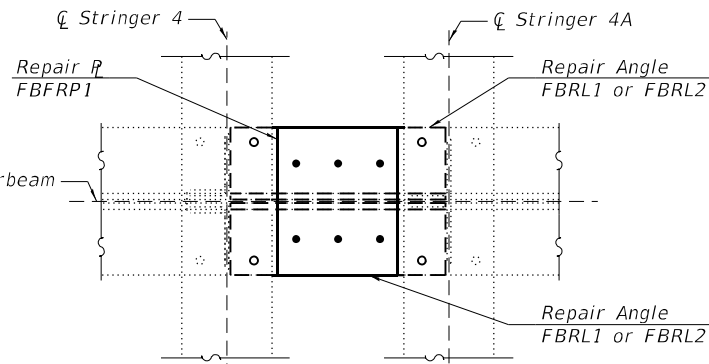


**REPAIR ANGLE FBRL2**

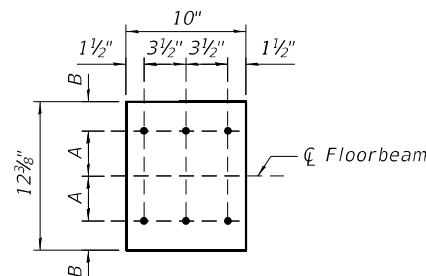
L6x6x1/2 x 1'-6"  
(2 required as shown)  
(2 required opposite hand)



**SECTION A-A**

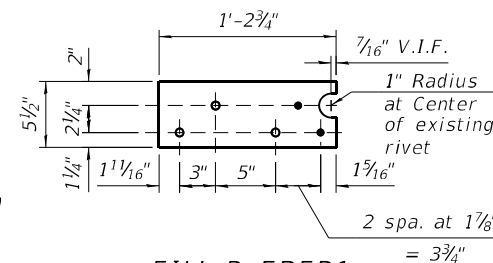


**SECTION B-B**



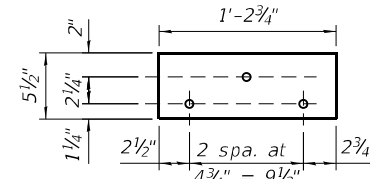
**REPAIR R FBFRP1**

R 1/2" x 10" x 12 3/8"  
(5 required)



**FILL R FBFP1**

R 3/16" x 5 1/2" x 1'-2 3/4"  
(4 required)



**FILL R FBFP2**

R 3/16" x 5 1/2" x 1'-2 3/4"  
(2 required)

Note:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**LEGEND**

Existing fastener to remain

- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

**BILL OF MATERIALS**

Item	Unit	Total
Structural Steel Repair	Pound	470
Structural Steel Removal	Pound	30

NBIS Deficiency No.	Span	Member	Applicable Repair Detail	A	B	FBFRP1	FBRL1	FBRL2	FBFP1	FBFP2
278	8	FB 2	Top Flange Repair Detail 2	3 1/16"	2 1/2"	1	2	-	-	-
11	8	FB 4	Top Flange Repair Detail 1	4"	2 3/16"	1	2	-	2	-
**12	8	FB 6	Top Flange Repair Detail 1	4"	2 3/16"	1	2	-	2	-
56	12	FB 1	Top Flange Repair Detail 3	4"	2 3/16"	1	-	2	-	2
314	16	FB 5	Top Flange Repair Detail 4	3 11/16"	2 1/2"	1	-	2	-	-

\*\*For bottom flange repairs for NBIS Deficiency No. 12, see sheet S-53.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FLOORBEAM REPAIRS - 1  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

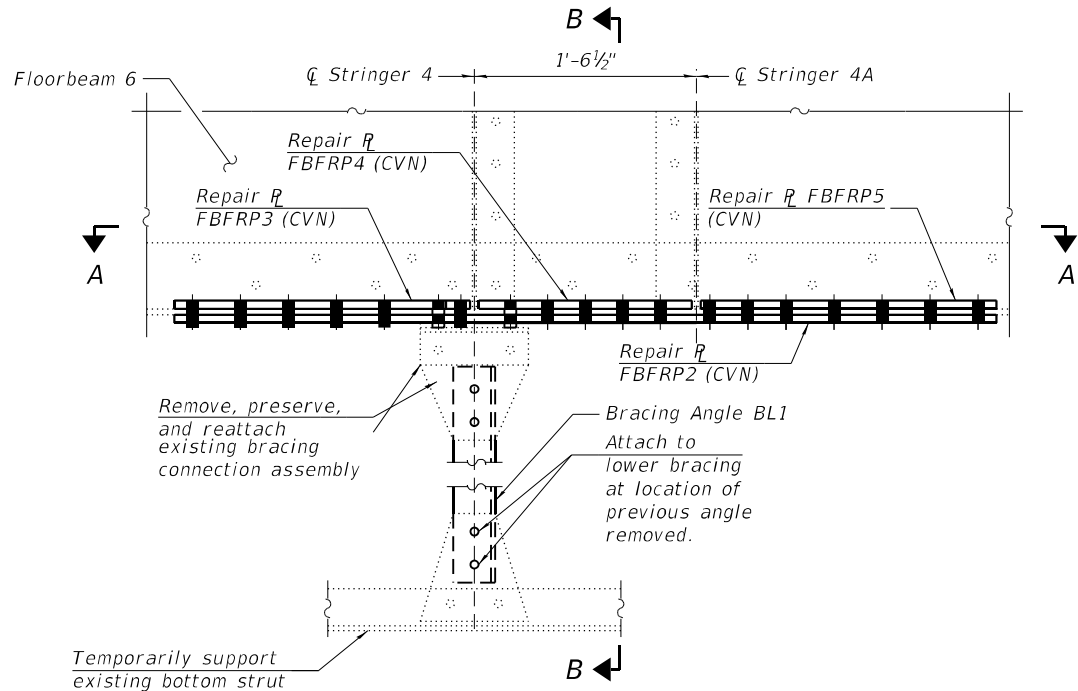
SHEET 552 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	86
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

TYLin

USER NAME =	abbas.kazan	DESIGNED -	CMT	REVISED -	
CHECKED -	ASK	REVISED -			
PLOT SCALE =	0:2' = 1" / in.	DRAWN -	CMT	REVISED -	
PLOT DATE =	1/6/2025	CHECKED -	ASK	REVISED -	

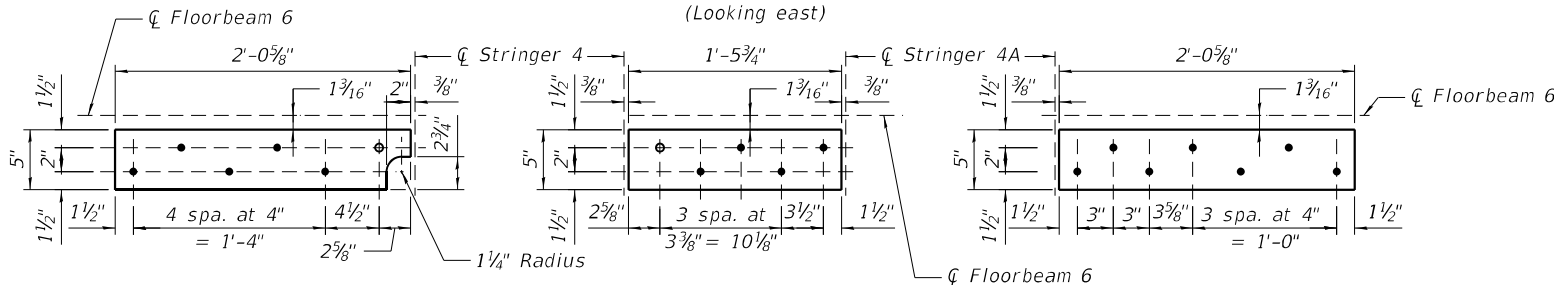
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FLOORBEAM BOTTOM FLANGE REPAIR

DETAIL - SPAN 8

(Looking east)



REPAIR  $R$  FBFRP3 (CVN)

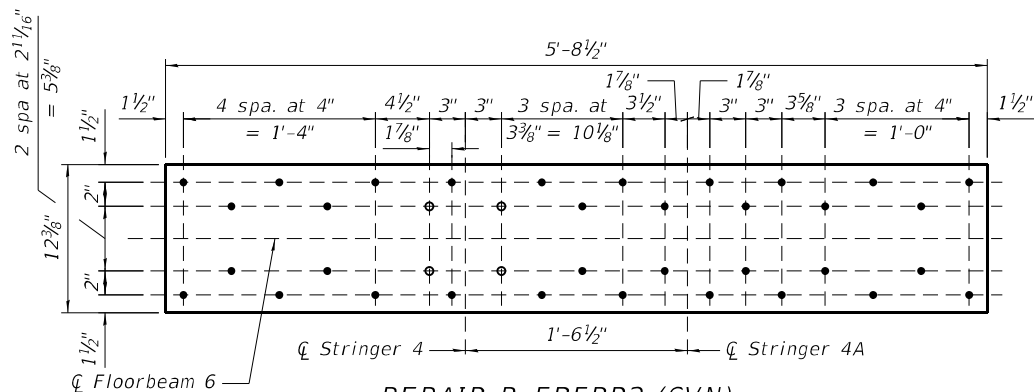
$R$   $\frac{1}{2}$ " x 5" x 2'-0 $\frac{5}{8}$ " (CVN)  
(2 required)

REPAIR  $R$  FBFRP4 (CVN)

$R$   $\frac{1}{2}$ " x 5" x 1'-5 $\frac{3}{4}$ " (CVN)  
(2 required)

REPAIR  $R$  FBFRP5 (CVN)

$R$   $\frac{1}{2}$ " x 5" x 2'-0 $\frac{5}{8}$ " (CVN)  
(2 required)



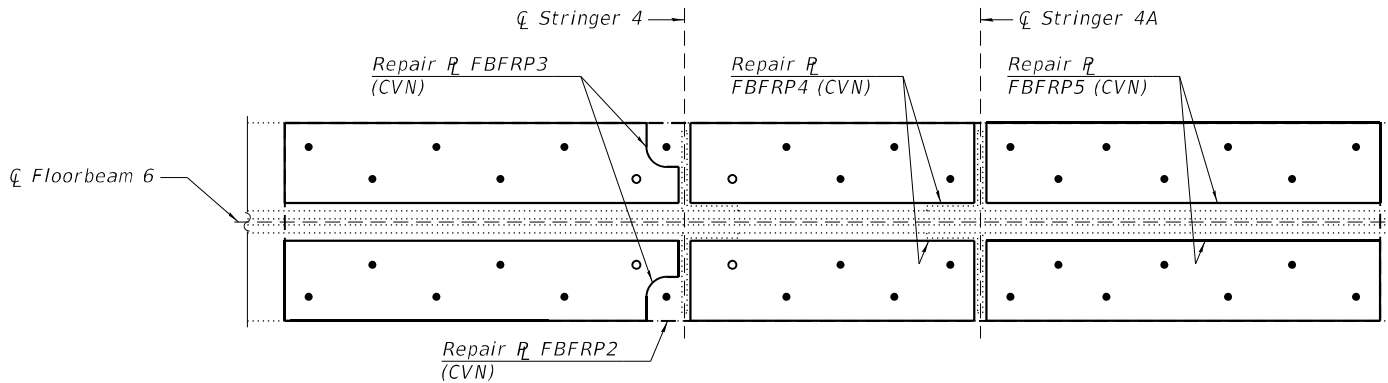
REPAIR  $R$  FBFRP2 (CVN)

$R$   $\frac{5}{8}$ " x 12 $\frac{3}{8}$ " x 5'-8 $\frac{1}{2}$ " (CVN)  
(1 required)

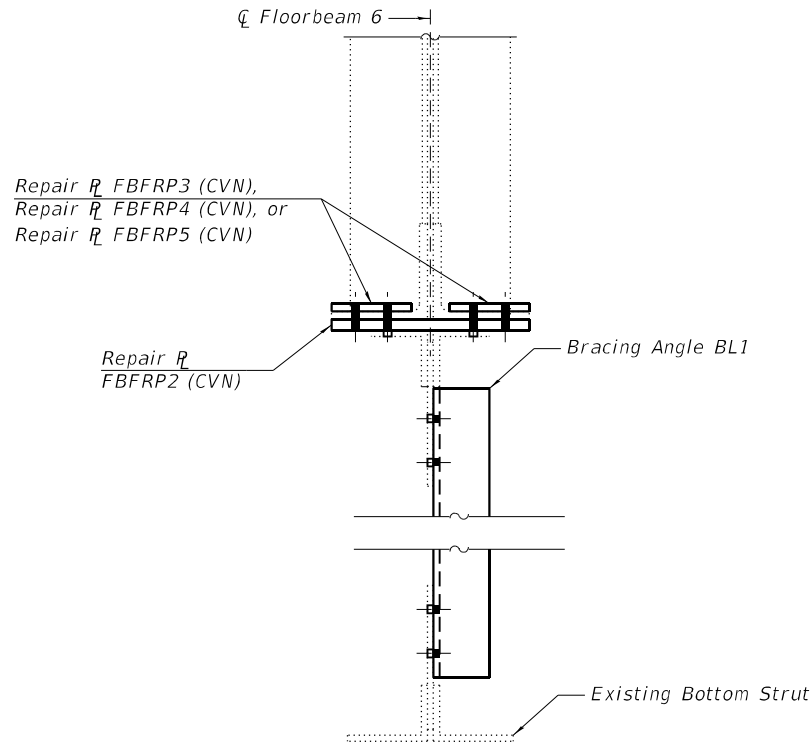
FLOORBEAM FLANGE REPAIR LOCATIONS

NBIS Deficiency No.	Span	Member	Detail Orientation	FBFRP2	FBFRP3	FBFRP4	FBFRP5	BL1
*12	8	FB 6	As shown	1	2	2	2	1

\*For top flange repairs for NBIS Deficiency No. 12, see sheet S53.



SECTION A-A



SECTION B-B

LEGEND

Existing fastener to remain

- New  $\frac{7}{8}$ " dia. A325 bolt in new  $\frac{15}{16}$ " dia. hole. Field drill  $\frac{15}{16}$ " dia. holes for  $\frac{7}{8}$ " dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new  $\frac{7}{8}$ " dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

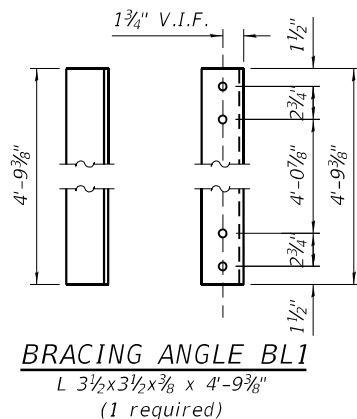
Notes:

Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Energy Requirement, Zone 2.

Lower lateral bracing shall be supported during Floorbeam bottom flange repair. Contractor shall submit support procedure to Engineer for review and approval prior to performing work. Cost to support lower lateral bracing shall be included with Structural Steel Repair.

For Sealant Details, see Sheet S22 of S60.

See Sheet S4 thru S9 for NBIS deficiency locations.



BRACING ANGLE BL1

L 3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x $\frac{3}{8}$  x 4'-9 $\frac{3}{8}$ "  
(1 required)

BILL OF MATERIALS

Item	Unit	Total
Structural Steel Repair	Pound	320
Structural Steel Removal	Pound	50

TYLin

USER NAME = abbas.kazan  
PLOT SCALE = 0.167' / in.  
PLOT DATE = 1/6/2025

DESIGNED - CMT  
CHECKED - ASK  
DRAWN - CMT  
CHECKED - ASK

REVISED -  
REVISED -  
REVISED -  
REVISED -

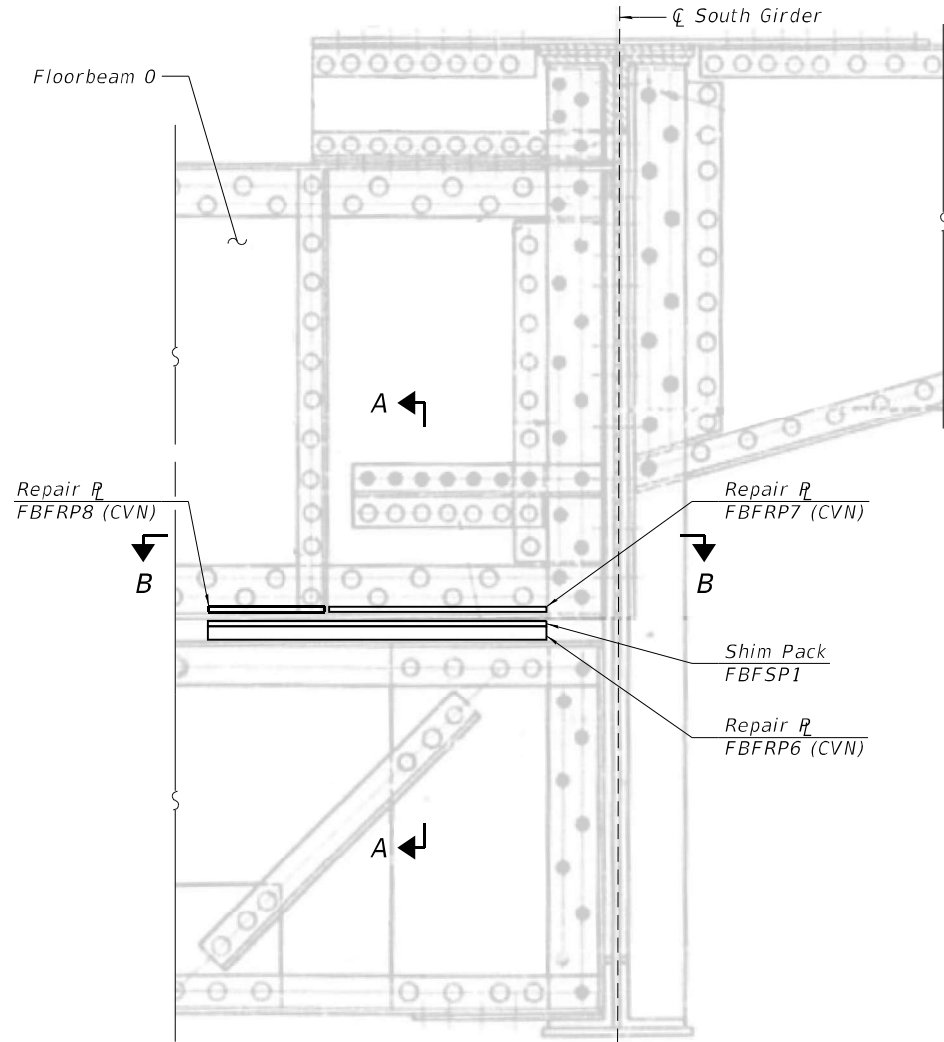
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FLOORBEAM REPAIRS - 2  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

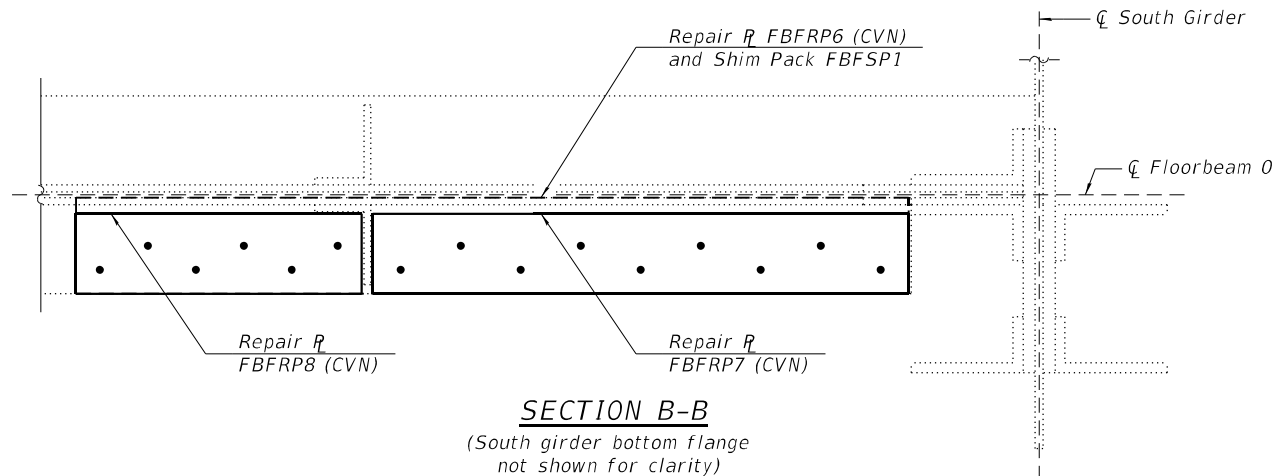
SHEET S53 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/AZWELL	115	87
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

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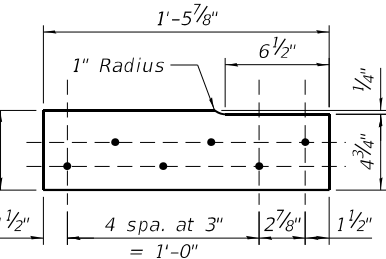
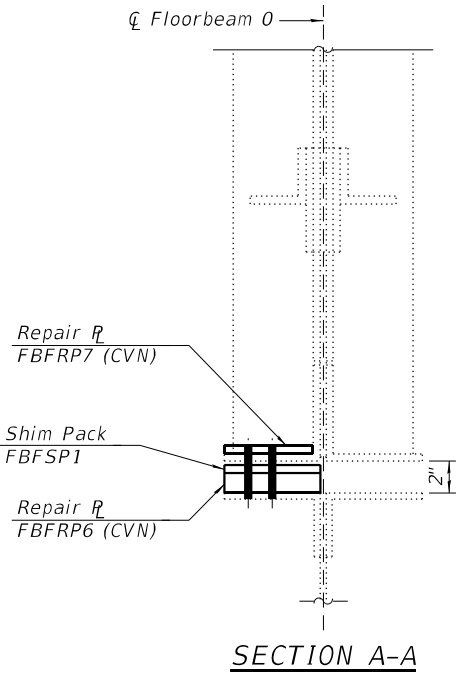


**FLOORBEAM BOTTOM FLANGE REPAIR DETAIL - SPAN 20**  
(Looking east)  
(Bolts not shown for clarity)

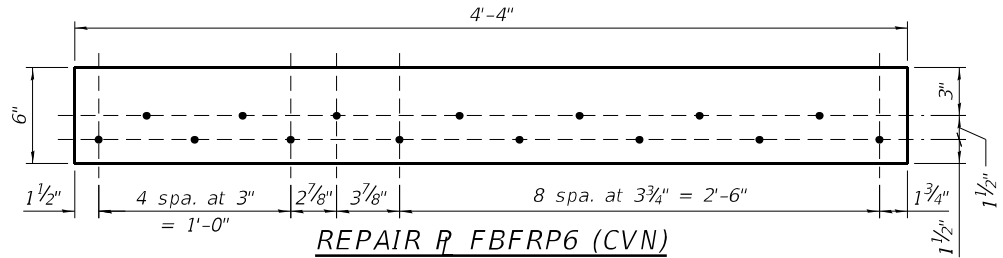


**FLOORBEAM FLANGE REPAIR LOCATIONS**

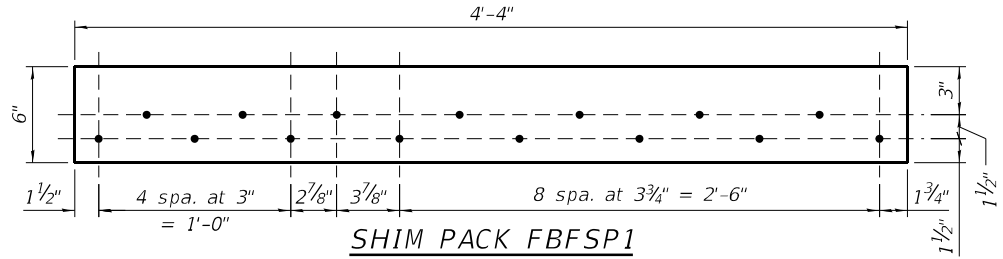
NBIS Deficiency No.	Span	Member	Detail Orientation	FBFRP6	FBFRP7	FBFRP8	FBFSP1
534	20	FB 0	As shown	1	1	1	1



**REPAIR R FBFRP8 (CVN)**  
R 1/2"x5"x1'-5 7/8" (CVN)  
(1 required)

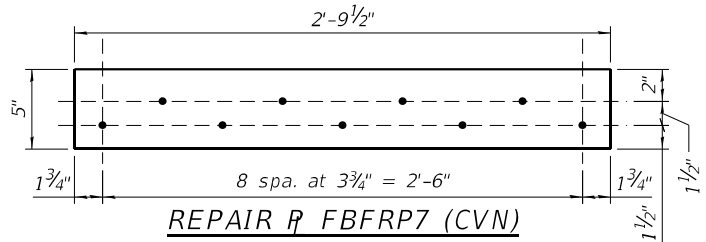


**REPAIR R FBFRP6 (CVN)**  
R 1 3/4"x6"x4'-4" (CVN)  
(1 required)



**SHIM PACK FBFSP1**  
R \*1/2"x6"x4'-4"  
(1 required)

\* Shim Pack = 1-1/4" R, 1-1/8" R, and 2-1/16" R's



**REPAIR R FBFRP7 (CVN)**  
R 1/2"x5"x2'-9 1/2" (CVN)  
(1 required)

**LEGEND**

⊙ Existing fastener to remain

- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

Notes:  
Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Energy Requirement, Zone 2.  
Lower lateral bracing shall be supported during Floorbeam bottom flange repair. Contractor shall submit support procedure to Engineer for review and approval prior to performing work. Cost to support lower lateral bracing shall be included with Structural Steel Repair.  
Portions of this drawing are extracted from the original drawings for this bridge. Details shown are provided to illustrate the work to be performed.  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**BILL OF MATERIALS**

Item	Unit	Total
Structural Steel Repair	Pound	260

**TYLin**

USER NAME =	abbas.kazan	DESIGNED -	CMT	REVISED -	
		CHECKED -	ASK	REVISED -	
PLOT SCALE =	0.167' / in.	DRAWN -	CMT	REVISED -	
PLOT DATE =	1/6/2025	CHECKED -	ASK	REVISED -	

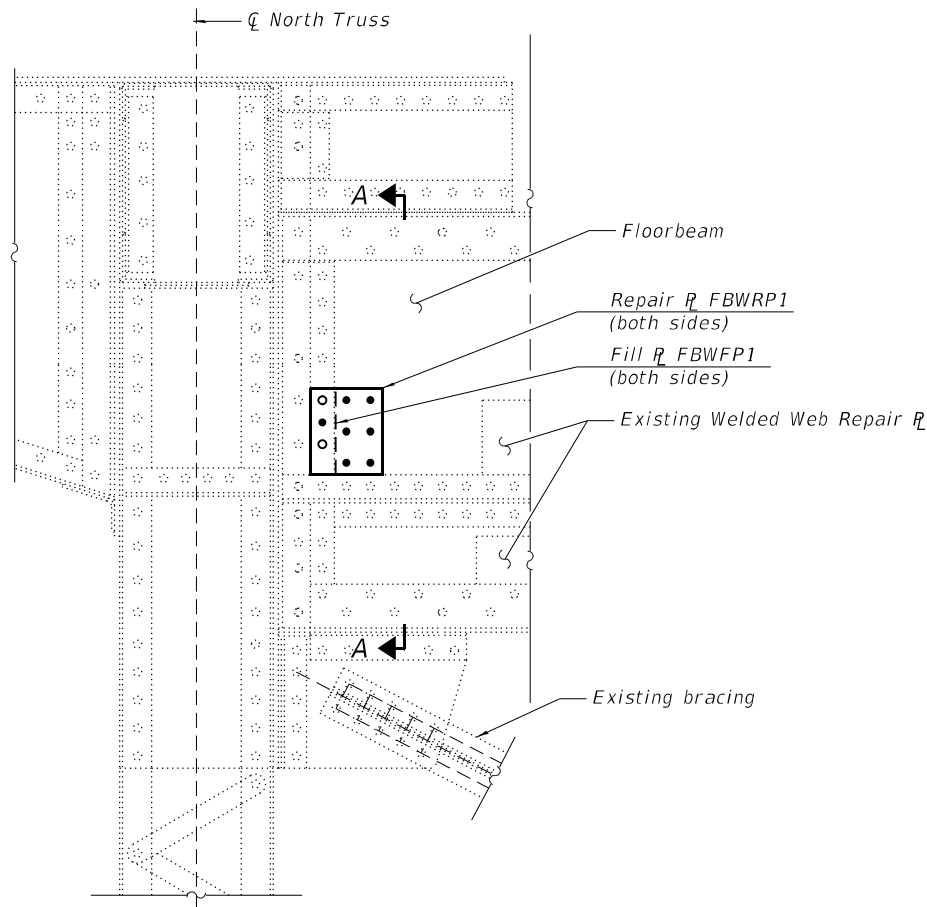
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FLOORBEAM REPAIRS - 3**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

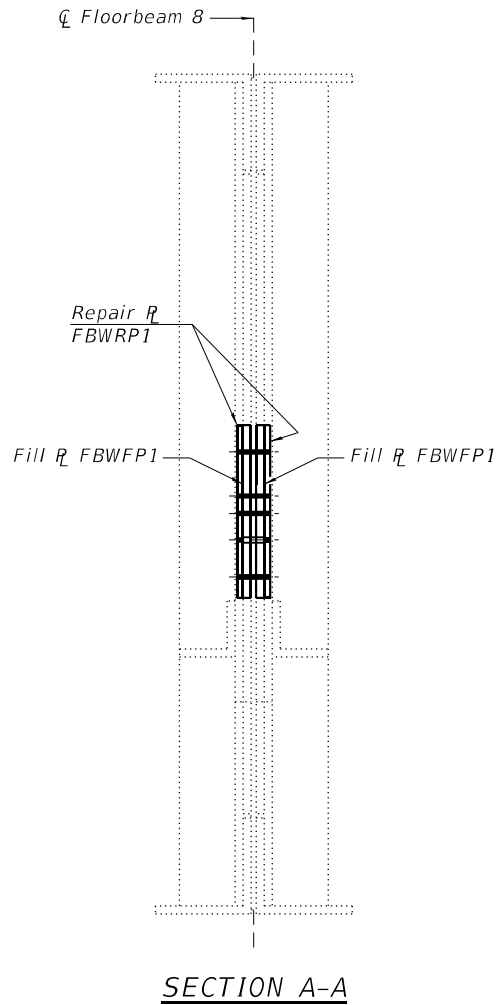
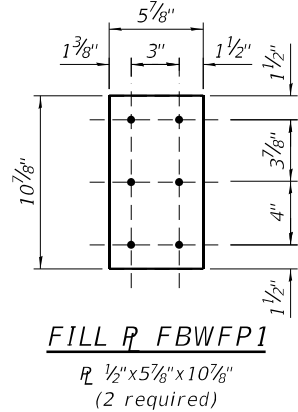
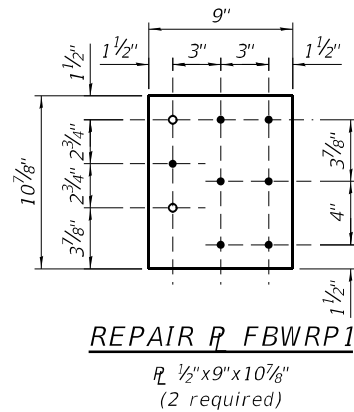
SHEET 554 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/AZWELL	115	88
				CONTRACT NO. 68G27
				ILLINOIS FED. AID PROJECT

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1/6/2025 8:39:49 AM



**FLOORBEAM WEB REPAIR DETAIL**  
(Looking east)



**BILL OF MATERIALS**

Item	Unit	Total
Structural Steel Repair	Pound	50

**LEGEND**

⊙ Existing fastener to remain

- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

Notes:  
The cost to straighten the angle legs shall be included with Structural Steel Repair.  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

**FLOORBEAM WEB REPAIR LOCATIONS**

NBIS Deficiency No.	Span	Member	Detail Orientation	FBWRP1	FBWFP1
532	17	FB 8	As shown	2	2

**TYLin**

USER NAME = abbas.kazan  
PLOT SCALE = 0.167' / in.  
PLOT DATE = 1/6/2025

DESIGNED - CMT  
CHECKED - ASK  
DRAWN - CMT  
CHECKED - ASK

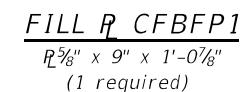
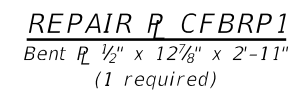
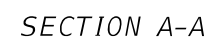
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FLOORBEAM REPAIRS - 4**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

SHEET S55 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	89
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				



LEGEND

- New  $\frac{7}{8}$ " dia. A325 bolt in new  $\frac{15}{16}$ " dia. hole. Field drill  $\frac{15}{16}$ " dia. holes for  $\frac{7}{8}$ " dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.
- Replace existing fastener with new  $\frac{7}{8}$ " dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

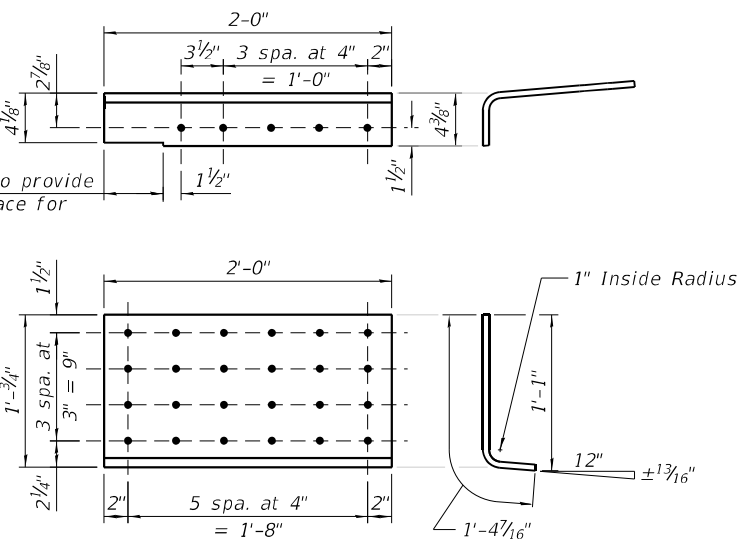
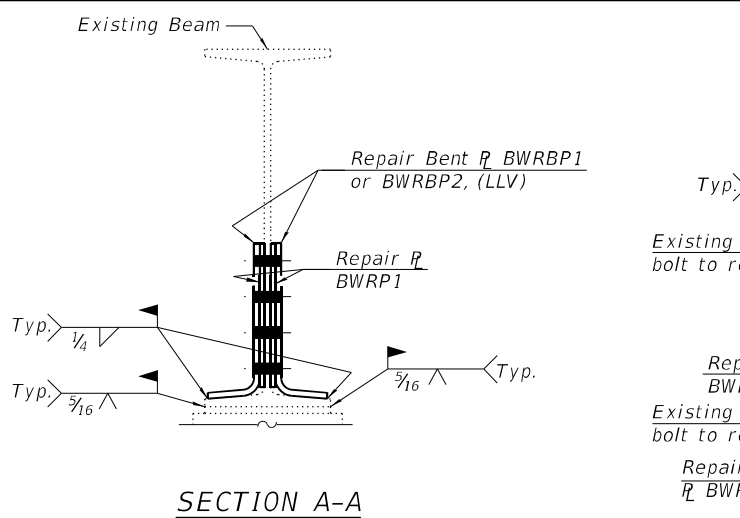
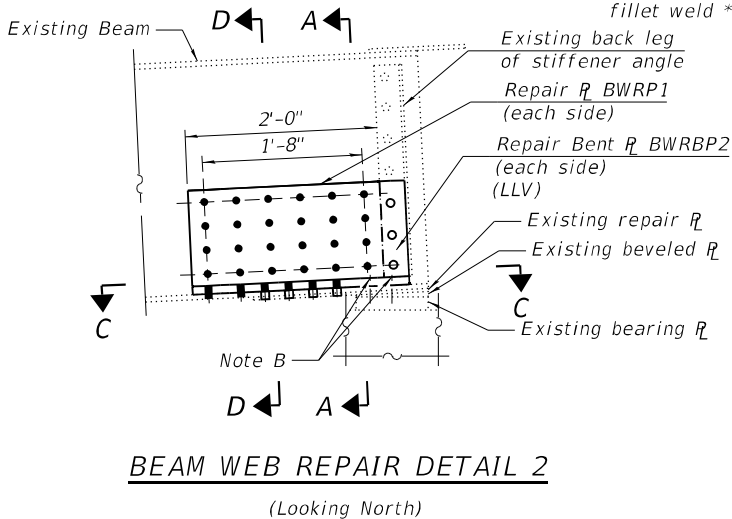
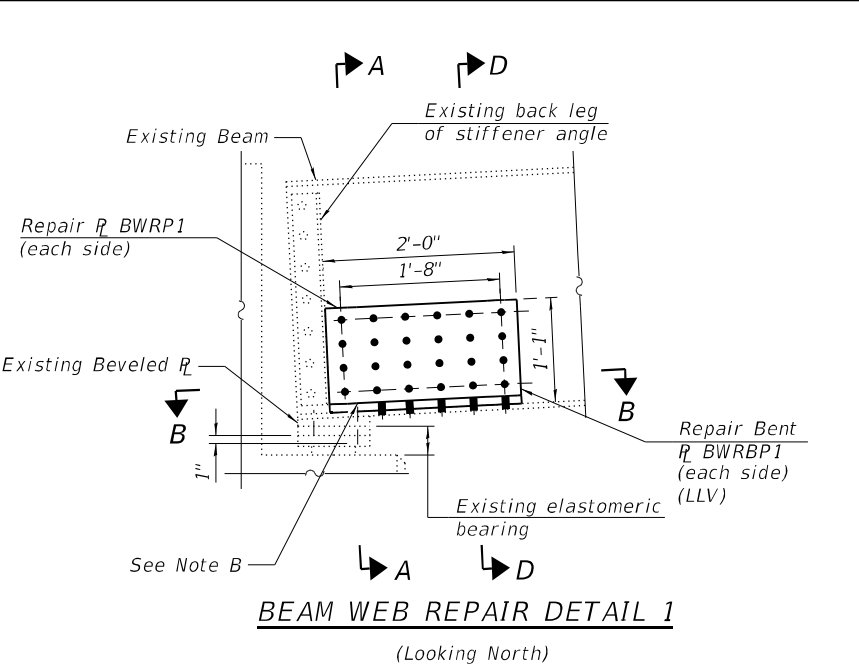
# TYLin

USER NAME =	abbas.kazan	DESIGNED -	CMT	REVISED -
		CHECKED -	ASK	REVISED -
PLOT SCALE =	0.167 ' / in.	DRAWN -	CMT	REVISED -
PLOT DATE =	1/6/2025	CHECKED -	ASK	REVISED -

**CANTILEVER FLOORBEAM BRACKET REPAIRS - 1**  
**S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER**

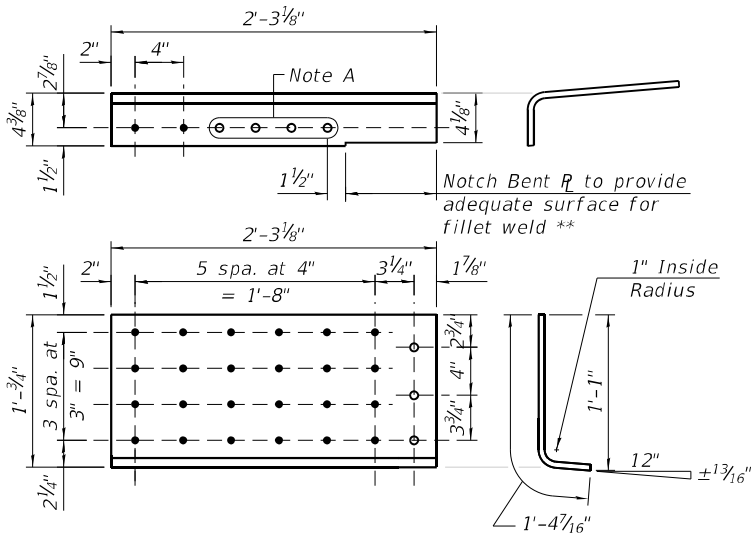
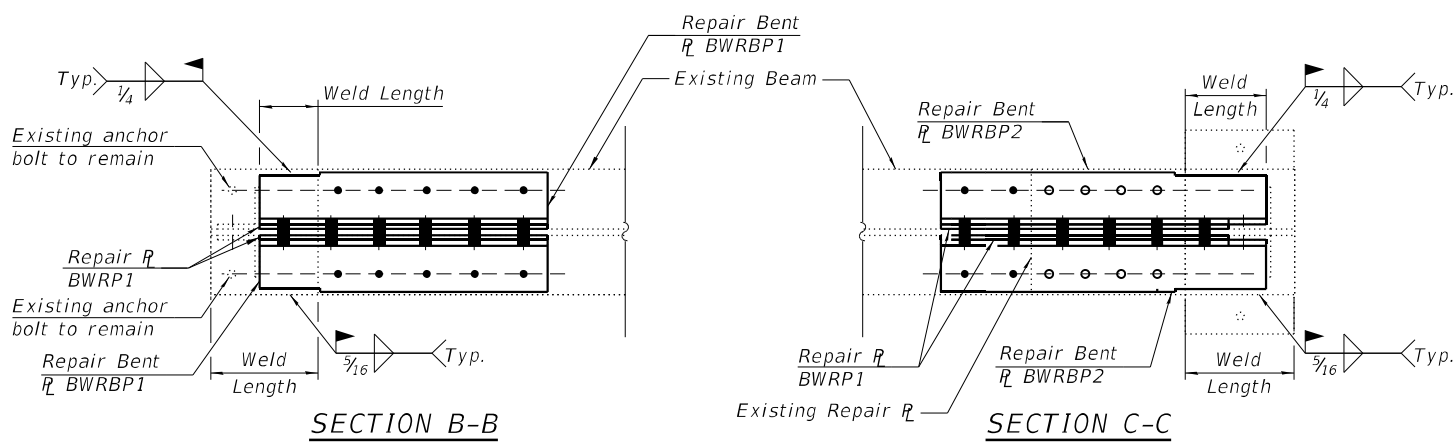
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	90
		CONTRACT NO. 68G27		
ILLINOIS		FED. AID PROJECT		

MODEL: Default  
FILE NAME: pw:\wyf-pw-bent\ey.com\tyl-fpw-0\Documents\Projects\30.10.01.01.13.000\_CHBP600\_DSGM\Bridges\04\_Sheets\09000030-0-68G27-35-9cam-1.dgn

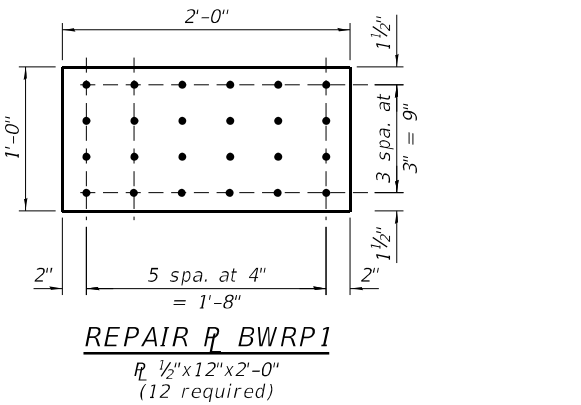


**REPAIR BENT R BWRBP1**  
Bent R 1/2"x1'-4 7/16"x2'-0"  
(1 required as shown)  
(1 required opposite hand)

\*\* Contractor shall verify dimensional requirements for welds prior to any welding work.



**REPAIR BENT R BWRBP2**  
Bent R 1/2"x1'-4 7/16"x2'-3 1/8"  
(5 required as shown)  
(5 required opposite hand)



### BILL OF MATERIALS

Item	Unit	Total
Structural Steel Repair	Pound	1,380
Structural Steel Removal	Pound	50

### LEGEND

⊙ Existing fastener to remain

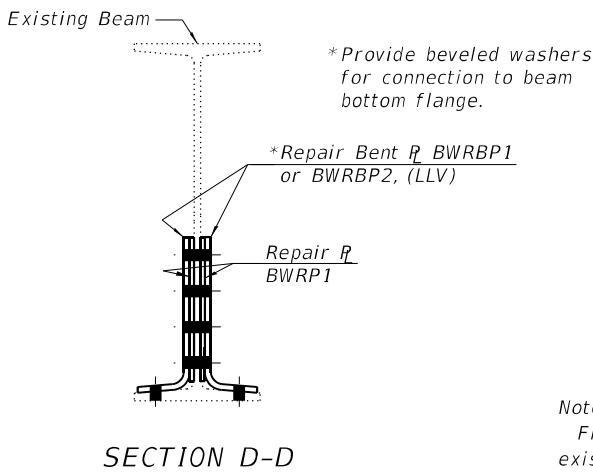
- New 7/8" dia. A325 bolt in new 1 5/16" dia. hole. Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.

- Replace existing fastener with new 7/8" dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

Notes:  
LLV indicates long leg vertical.  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

Note A:  
Field drill 1 5/16" dia. holes for 7/8" dia. high-strength bolts using existing holes as a template.

Note B:  
Cut and grind existing bearing anchor bolt flush to flange of existing beam.



### BEAM WEB REPAIR LOCATIONS

NBIS Deficiency No.	Span	Member	Location	Applicable Detail	Orientation	BWRP1	BWRBP1	BWRBP2
268	1	Beam 3	Pier 1	Detail 2	As Shown	2	-	2
269	1	Beam 4	Pier 1	Detail 2	As Shown	2	-	2
267	1	Beam 6	W. Abut	Detail 1	As Shown	2	2	-
273	4	Beam 1	Pier 4	Detail 2	As Shown	2	-	2
274	4	Beam 7	Pier 4	Detail 2	As Shown	2	-	2
275	4	Beam 8	Pier 4	Detail 2	As Shown	2	-	2

**TYLin**

USER NAME =	abbas.kazan	DESIGNED -	CMT	REVISED -	
CHECKED -	ASK	REVISED -			
PLOT SCALE =	0.167' / in.	DRAWN -	CMT	REVISED -	
PLOT DATE =	1/8/2025	CHECKED -	ASK	REVISED -	

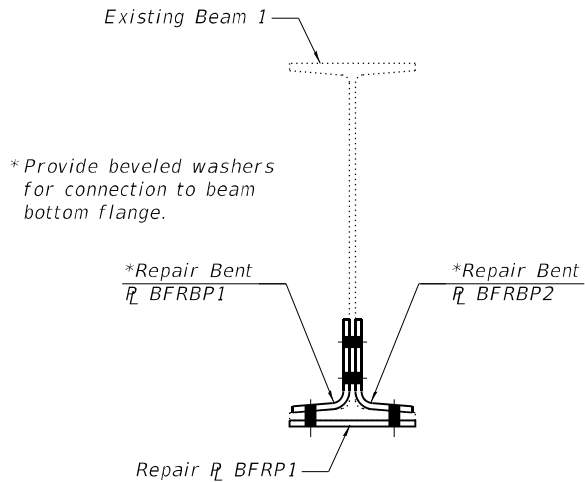
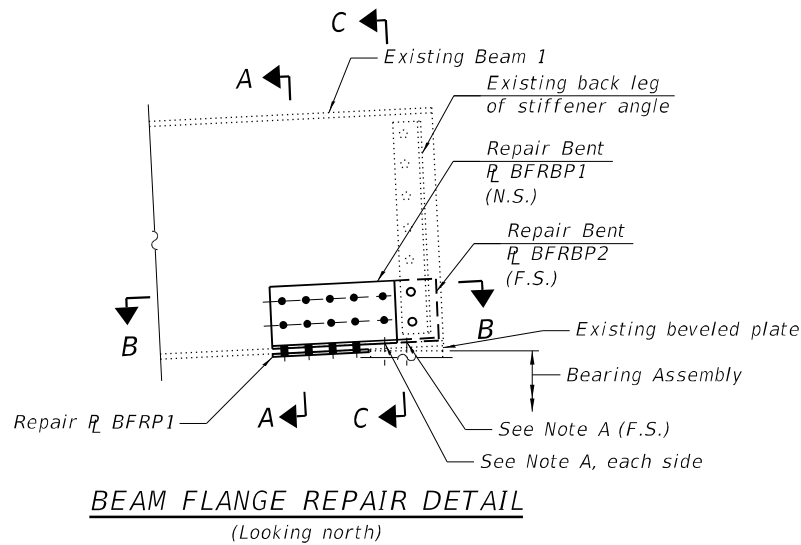
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEAM REPAIRS - 1  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

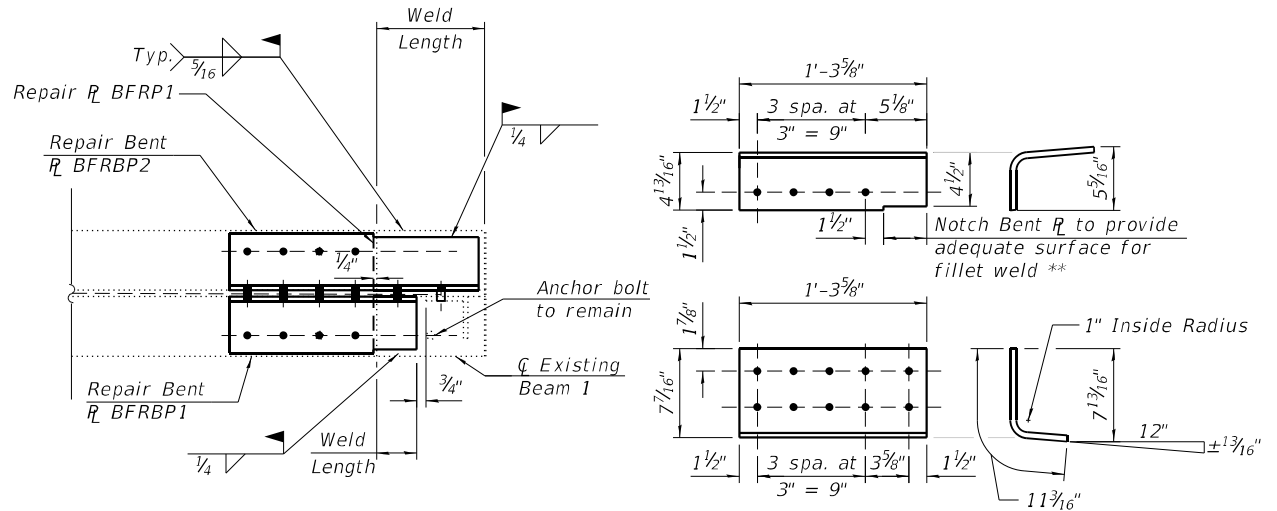
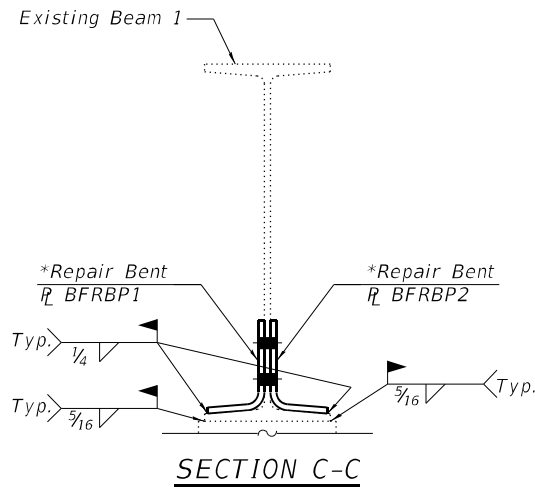
SHEET S57 OF S60 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	91
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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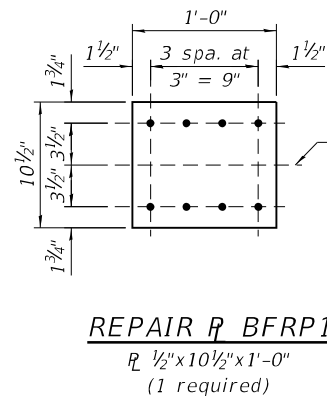


Note A:  
Cut and grind existing bearing anchor bolt flush to flange of existing beam.



REPAIR BENT  $R$  BFRBP1  
Bent  $R$   $\frac{1}{2}$ "x11 $\frac{3}{16}$ "x1'-3 $\frac{5}{8}$ "  
(1 required)

\*\* Contractor shall verify dimensional requirements for welds prior to any welding work.



REPAIR BENT  $R$  BFRBP2  
Bent  $R$   $\frac{1}{2}$ "x11 $\frac{3}{16}$ "x1'-8 $\frac{7}{8}$ "  
(1 required)

#### BILL OF MATERIALS

Item	Unit	Total
Structural Steel Repair	Pound	90

#### LEGEND

⊙ Existing fastener to remain

- New  $\frac{7}{8}$ " dia. A325 bolt in new  $1\frac{5}{16}$ " dia. hole. Field drill  $1\frac{5}{16}$ " dia. holes for  $\frac{7}{8}$ " dia. high-strength bolts in existing member. Use repair plate, fill plate, or repair angle as a template.

- Replace existing fastener with new  $\frac{7}{8}$ " dia. A325 bolt in existing hole. Holes in new material shall be field drilled using existing members as a template.

Notes:  
For Sealant Details, see Sheet S22 of S60.  
See Sheet S4 thru S9 for NBIS deficiency locations.

#### BEAM FLANGE REPAIR LOCATIONS

NBIS Deficiency No.	Span	Member	Location	Orientation	BFRBP1	BFRBP2	BFRP1
277	5	Beam 1	Pier 5	As Shown	1	1	1

**TYLin**

USER NAME =	abbas.kazan	DESIGNED -	CMT	REVISED -	
PLOT SCALE =	0.167' / in.	CHECKED -	ASK	REVISED -	
PLOT DATE =	1/8/2025	DRAWN -	CMT	REVISED -	
		CHECKED -	ASK	REVISED -	

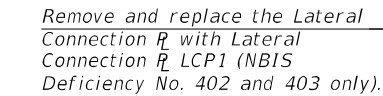
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEAM REPAIRS - 2  
S.N. 090-0030 CEDAR ST BRIDGE OVER ILLINOIS RIVER

SHEET 558 OF 560 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZEWELL	115	92
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				





(Looking North)  
(Bolts not shown for clarity)



$R \frac{1}{4}'' \times "E" \times 3'-4\frac{1}{2}''$   
 (1  $R$  SBP1 as shown)  
 $R$  SBP1 opposite hand)  
 (1  $R$  SBP2 as shown)  
 $R$  SBP2 opposite hand)

<i>Identifier</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>
<i>SBP1</i>	3¼"	1¾"	3½"	1⅞ <sub>16</sub> "	6¾"
<i>SBP2</i>	3½"	2"	3¾"	1⅞ <sub>16</sub> "	7¼"
<i>SBP3</i>	3¼"	1¾"	3½"	1⅞ <sub>16</sub> "	6¾"
<i>SBP4</i>	3½"	2"	3¾"	1⅞ <sub>16</sub> "	7¼"



R 1/4" x "E" x 3'-1/8"  
 (2 R SBP3 as shown)  
 (2 R SBP3 opposite hand)  
 (2 R SBP4 as shown)  
 (2 R SBP4 opposite hand)

R<sub>L</sub> 1/2" x 8" x 6'-6 1/8"  
(2 required)



\* Provide beveled washers for connection to stringer bottom flange.

Note A:  
Field drill holes using existing holes in stringer or lateral connection plate to remain as a template. Remainder of holes may be shop or field drilled.

Note B:  
Contractor must verify that the edge distance on the existing lateral connection plate meets the 1½" minimum requirement. Contractor shall adjust bolt spacing on repair, fill, and bent plates as necessary. Adjusted spacings shall be subject to approval by the Engineer.

<i>NBIS Deficiency No.</i>	<i>Span</i>	<i>Stringer</i>	<i>Panel</i>	<i>SRP1</i>	<i>SRP2</i>	<i>SFP1</i>	<i>SFP2</i>	<i>SBP1</i>	<i>SBP2</i>	<i>SBP3</i>	<i>SBP4</i>	<i>LCP1</i>
282	10	4	2	1	-	2	-	2	2	-	-	-
402	12	4	5	-	1	-	2	-	-	2	2	1
403	12	4	6	-	1	-	2	-	-	2	2	1

 $\mathbb{C} S$ 

R<sub>L</sub> 5/8" x 8" x 1'-3 1/2'  
(2 required)



R<sub>L</sub> 5/8" x 8" x 1'-1"  
(4 required)

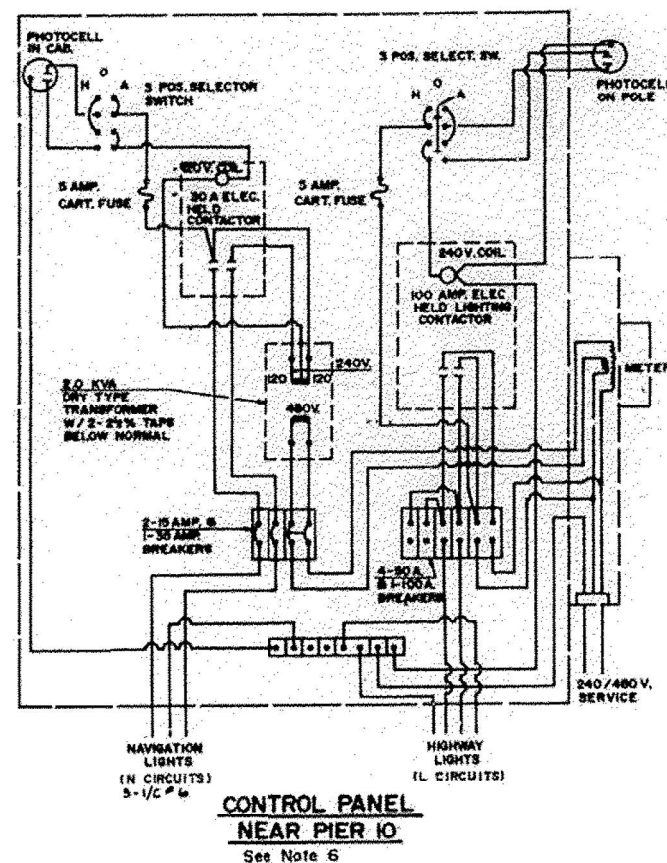
2  $\frac{3}{8}$ " x 15" x 2'-9"  
(2 required)

Item	Unit	Total
Structural Steel Repair	Pound	800
Structural Steel Removal	Pound	300

Notes:  
 Lower lateral bracing shall be supported during stringer repair. Contractor shall submit support procedure to Engineer for review and approval prior to performing work. Cost to support lower lateral bracing shall be included with Structural Steel Repair.  
 For Sealant Details, see Sheet S22 of S60.  
 See Sheet S4 thru S9 for NBIS deficiency locations.



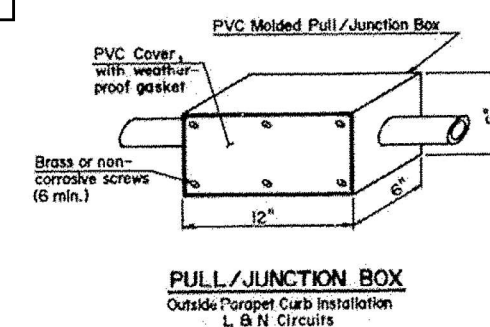
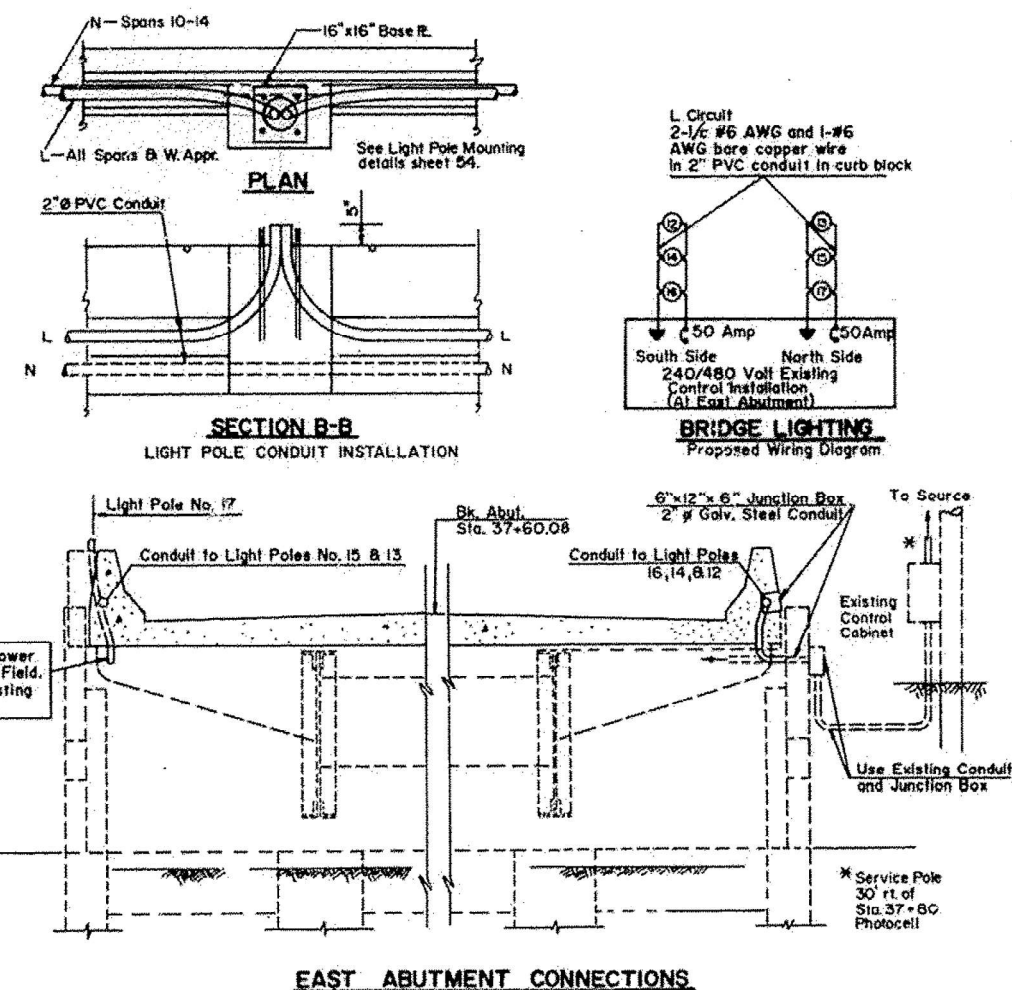




	ITEM	UNIT	QUANTITY
*	Electrical Cable in Conduit, 600 V (XLP - Type USE) 1/2 C NO. 12	Lin. Ft.	1734
**	ELCBL C 600V (XLP) 1/2 C NO. 6	Lin. Ft.	1734
**	Bare Copper Wire, 1/2 C NO. 6	Lin. Ft.	6746
	Conduit in Trench, 2" Dia. Galvanized Steel	Lin. Ft.	54
	Conduit Attached to Structure, 2" Dia. Galv. Steel	Lin. Ft.	144
	Conduit Attached to Structure, 2" Dia. PVC	Lin. Ft.	4,440
	Light Pole Aluminum, 45" M.H. 6 Ft. Davit Arm	Each	16
	Luminaire, Sodium Vapor, Rectilinear Type 150 Watt	Each	One
	Luminaire, Sodium Vapor, Rectilinear Type 250 Watt	Each	16
	Removal of Existing Lighting System, Complete	Lump Sum	One
	Modify Existing Control Installation	Each	One
	Adjust Existing Light Standard	***	***
	* Internal wiring in 17 light poles, 2-1/2 C #12.		
	** 1/2 C #6 G 1/2 C #6 bare)		

**NOTES - BRIDGE ELECTRICAL WORK**  
SEE SHEET 64

- NOTE 1: POWER FOR THE BRIDGE ROADWAY LIGHTING SYSTEM IS SUPPLIED FROM TWO SERVICE SOURCES, ONE NEAR PIER 10, THE OTHER NEAR THE EAST ABUTMENT.
- NOTE 2: THIS CONTRACT INCLUDES THE RERIRING OF A COMPLETE LIGHTING SYSTEM INCLUDING, BUT NOT LIMITED TO, PROVIDING SERVICE FROM EXISTING CONTROL CABINETS TO SIXTEEN (16) PROPOSED LIGHT POLES, ONE (1) EXISTING LIGHT POLE AND SIX (6) NAVIGATION LIGHTS, REPLACED IN A PRECEEDING CONTRACT.
- NOTE 3: <sup>HIGHWAY LIGHTING</sup> PAYMENT FOR THE PROPOSED RERIRING IS PROVIDED FOR IN BID ITEMS FOR GALVANIZED STEEL AND PVC CONDUITS AND ELECTRIC CABLE. NAVIGATION LIGHTING IS ON A L SUM BASIS.
- NOTE 4: IMBEDDED CONDUITS IN PARAPET CURB BLOCKS SHALL BE 2" DIA. PVC PIPE, SCHEDULE 40, OR APPROVED SUBSTITUTE, UNLESS OTHERWISE DESIGNATED. CONDUITS NOT PROTECTED BY CONCRETE SHALL BE GALVANIZED STEEL OF A SIZE SHOWN IN THE PLANS.
- NOTE 5: PAYMENT FOR FURNISHING AND INSTALLING JUNCTION BOXES, CONDULETS, HANGERS, ATTACHMENT DEVICES, EXPANSION SLEEVES, PULL BOXES AND ACCESSORIES REQUIRED BY THE NATIONAL ELECTRIC CODES AND/OR SHOWN IN, BUT NOT LIMITED TO THE PLANS, IS INCIDENTAL TO THE COST OF THE APPROPRIATE CONDUIT, LINEAL FEET.
- NOTE 6: MODIFICATION OF EXISTING CONTROL CABINET TO REPLACE EXISTING OVERHEAD WIRING CONNECTION TO PIER 10 WITH BURIED GALVANIZED STEEL CONDUIT CONNECTION IS BILLED AS "MODIFY EXISTING CONTROL INSTALLATION, EACH".
- NOTE 7: REHABILITATION OF EXISTING LIGHT POLE AT WEST APPROACH INCLUDES ITEM "ADJUST EXISTING LIGHT STANDARD", INSTALLATION OF 150 WATT LUMINARE AND RERIRING WITHIN THE POLE.



CIRCUIT IDENTIFICATION	
L	Bridge Roadway Lighting
N	Navigation Lighting

FILE NAME =	USER NAME = hwaaldr	DESIGNED -	REVISED -
PNSBCE3 - Controller Replacement & BQS	Project\BNS3 - Cedar Street Bridge Lighting	BRANN\brann.dgn	REVISED -
	PLOT SCALE = 36.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/24/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

EXISTING ROADWAY LIGHTING				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CEDAR STREET BRIDGE				669	(103B)-7	PEORIA-TAZEWELL	180	180
SCALE: _____				STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT CONTRACT NO. 68A9		

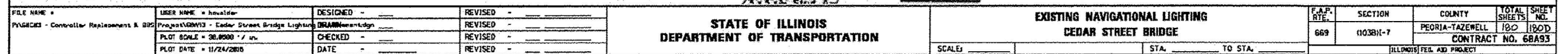
USER NAME = jandrews	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 206,2628 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2025	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<div style="text-align: center;"> <b>EXISTING LIGHTING PLANS</b>  <b>CEDAR STREET BRIDGE (2 OF 6)</b> </div>				F.A.P. RTE.	SECTION	COUNTY
				669	(103-I-8)BR	PEORIA/TA
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT



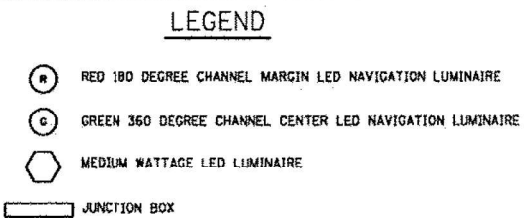
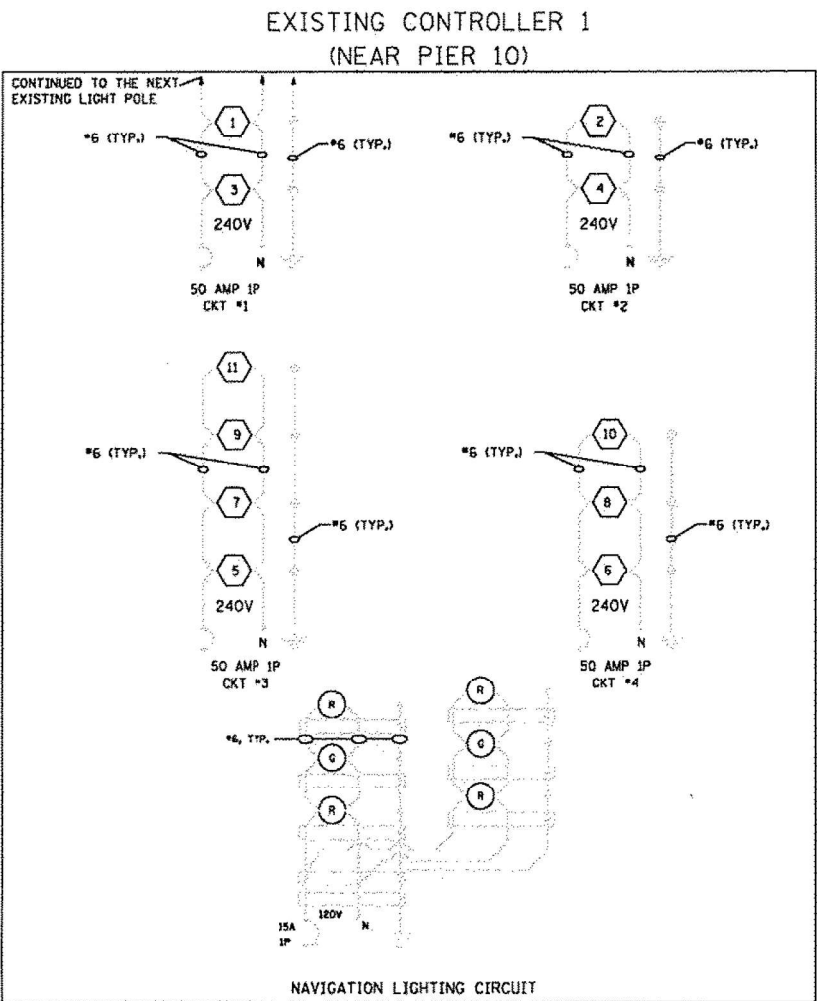
FOR INFORMATION ONLY



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	97
		CONTRACT NO. 68G27		
		ILLINOIS	FED. AID PROJECT	

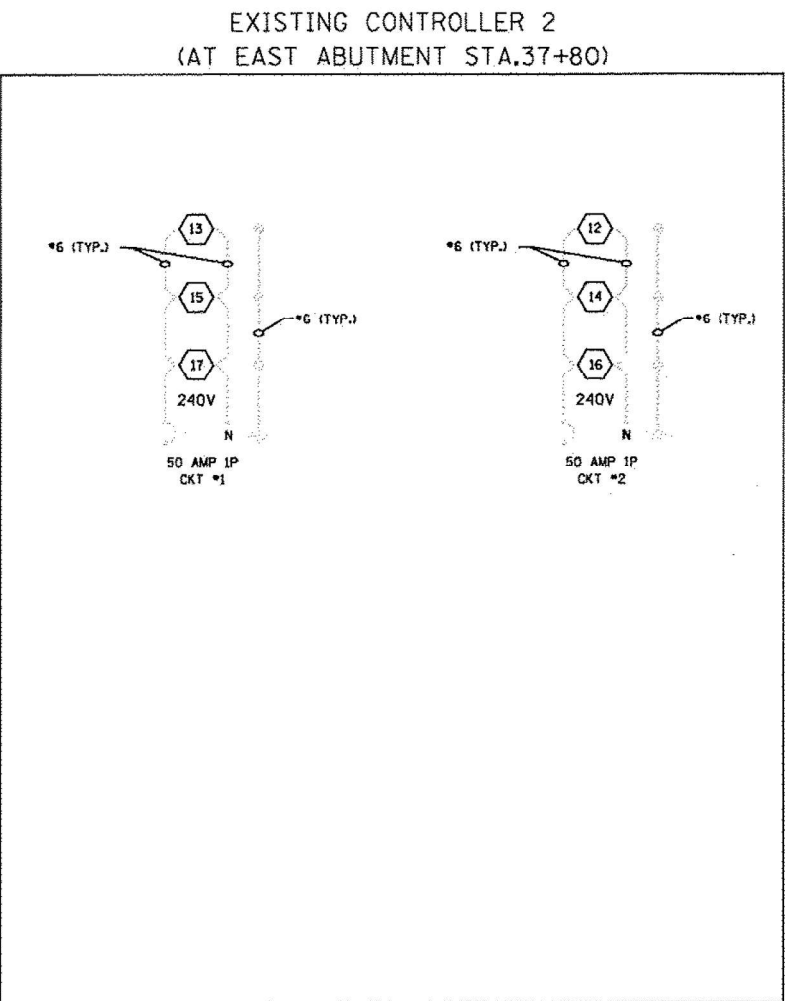






- NOTES:
- ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.
  - EXISTING CIRCUIT SHOWN IN SHADED COLOR

WIRING DIAGRAM



ILLINOIS DEPARTMENT OF TRANSPORTATION  
LUMINAIRE PERFORMANCE TABLE - PROPOSED LIGHTING

GIVEN CONDITIONS		
ROADWAY DATA:	PAVEMENT WIDTH	24 (FT.)
	NUMBER OF LANES (IN DIRECTION OF TRAVEL)	2
	I.E.S. SURFACE CLASSIFICATION	R3
	Q-ZERO VALUE	.07
LIGHT POLE DATA:	MOUNTING HEIGHT	47 (FT.)
	MAST ARM LENGTH	6 (FT.)
	POLE SET-BACK FROM EDGE OF PAVEMENT	0 (FT.)
LUMINAIRE DATA:	LUMINAIRE TYPE	LED
	LUMINAIRE LUMENS	20,000 MINIMUM
	LUMEN DEPRECIATION FACTOR	0.90
	DIRT DEPRECIATION FACTOR	0.80
	EQUIPMENT FACTOR	0.95
	TOTAL LIGHT LOSS FACTOR	0.684
LAYOUT DATA:	SPACING	515 (FT.)
	CONFIGURATION	STAGGERED
	LUMINAIRE OVERHANG OVER EDGE OF PAVEMENT LANE	0 (FT.)

NOTE: VARIATIONS FROM THE ABOVE SPECIFIED I.E.S. DISTRIBUTION PATTERN MAY BE REQUESTED AND ACCEPTANCE OF VARIATIONS WILL BE SUBJECT TO REVIEW BY THE ENGINEER BASED ON HOW WELL THE PERFORMANCE REQUIREMENTS ARE MET.

PERFORMANCE REQUIREMENTS		
LUMINANCE:	AVERAGE LUMINANCE: $(L_{AVE})$	0.6 Cd/m <sup>2</sup>
	UNIFORMITY RATIOS: $(L_{AVE}/L_{MIN})$	3.5:1 (MAX)
	$(L_{MAX}/L_{MIN})$	6.0:1 (MAX)
	MAXIMUM VEILING LUMINAIRE RATIO: $(L_V/L_{AVE})$	0.3:1 (MAX)

FOR INFORMATION  
ONLY

FILE NAME *	USER NAME * bnsr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WIRING DIAGRAM AND LUMINAIRE PERFORMANCE TABLE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F:\384\District 4\68A93-CEEDAR ST BRIDGE	OVER ILLINOIS RIVER\Design\Plans\WIRING AND LUMINAIRE PERFORMANCE TABLE.dgn	DRAWN -	REVISED -		CEDAR STREET BRIDGE		669	(103B)-7	PEORIA/TAZEWELL	115	100
#MODELNAME#	PLOT SCALE * 1/30/2025	CHECKED -	REVISED -		SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.		CONTRACT NO. 68A93				
PLOT DATE * 01-DEC-2015 11:28		DATE -	REVISED -		ILLINOIS FED. AID PROJECT		HIGHWAY LIGHTING SHEET 6 OF 21				

USER NAME = jandrews	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING PLANS CEDAR STREET BRIDGE (6 OF 6)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		669	(103-B)BR	PEORIA/TAZEWELL	115	100
PLOT SCALE = 206,2628' / in.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT		CONTRACT NO. 68G27				
PLOT DATE = 1/30/2025	DATE -	REVISED -								





IL 8/ IL 116 (S. MACARTHUR HWY.) - CEDAR STREET BRIDGE	
REMOVAL ITEMS (LIGHTING SHEETS 7 - 10)	
THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICE OF THE PROPOSED ITEMS.	
QTY.	ITEM DESCRIPTION
1.0	LIGHTING CONTROLLER CABINET, BASE MOUNTED*
1.0	LIGHTING CONTROLLER CABINET, POLE MOUNTED**
2.0	ELECTRICAL SERVICE INSTALLATION
16.0	LIGHT POLE, ALUMINUM WITH LED LUMINAIRE***
* CONCRETE FOUNDATION TO BE RE-USED, LIGHTING CONTROLLER CABINET TO BE DELIVERED TO IDOT TRAFFIC BUILDING AT 1025 W. DETWEILLER DR., PEORIA, IL 61615.	
** WOOD POLE TO REMAIN.	
*** LED LUMINAIRES TO BE DELIVERED TO IDOT TRAFFIC BUILDING AT 1025 W. DETWEILLER DR. PEORIA, IL 61615.	



- NOTES:
- THE EXISTING WATERWAY OBSTRUCTION WARNING LIGHT SYSTEM TO REMAIN IN PLACE AND SHALL BE OPERATIONAL AT ALL TIMES.
  - EXISTING LIGHTING CONTROLLER AND SERVICE ARE 480V.

LEGEND	
	EXISTING LIGHT POLE AND LUMINAIRE
	EXISTING CONDUIT (TO REMAIN)
	EXISTING ELECTRIC SERVICE
	EXISTING LIGHTING CONTROLLER
	LIGHT POLE NUMBER
	REMOVAL ITEM

MODEL: Default  
FILE NAME: C:\Users\jandrews\OneDrive\Documents\113919\DOT Cedar & Havana Phase 1 and 11\Workfiles from Client\68G27 Cedar St Bridge IPlan\68G27 Cedar Street Bridge Lighting (Final 08-13-24).dgn

USER NAME = jandrews	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 206,2628 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HIGHWAY LIGHTING REMOVAL ITEMS CEDAR STREET BRIDGE (1 of 4)			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	101
				CONTRACT NO. 68G27
		ILLINOIS	FED. AID PROJECT	



NOTE:  
1. THE EXISTING WATERWAY OBSTRUCTION WARNING LIGHT SYSTEM TO REMAIN IN PLACE AND SHALL BE OPERATIONAL AT ALL TIMES.

LEGEND

- EXISTING LIGHT POLE AND LUMINAIRE
- EXISTING CONDUIT (TO REMAIN)
- EXISTING ELECTRIC SERVICE
- EXISTING LIGHTING CONTROLLER
- LIGHT POLE NUMBER
- "X" REMOVAL ITEM
- EXISTING WWOWL LUMINAIRE (RED)
- EXISTING WWOWL LUMINAIRE (GREEN)

HIGHWAY LIGHTING SHEET 8 OF 21  
NOT TO SCALE

MODEL: Default  
FILE NAME: C:\p1\113949\DOT Cedar & Havana Phase 1 and IlWorkFiles from Client\68G27 Cedar St Bridge Info\2024\08\_14\_2024\Electrical Plans\68G27 Cedar Street Bridge Lighting (Final 08-13-24).dgn

	USER NAME = jandrews	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGHWAY LIGHTING REMOVAL ITEMS CEDAR STREET BRIDGE (2 of 4)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				669	(103-I-8)BR	PEORIA/TAZWELL	115	102
	PLOT SCALE = 206,2628 ' / in.	CHECKED -	REVISED -				CONTRACT NO. 68G27				
	PLOT DATE = 1/30/2025	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
SCALE:		SHEET	OF	SHEETS	STA.	TO STA.					



NOTE:  
1. THE EXISTING WATERWAY OBSTRUCTION WARNING LIGHT SYSTEM TO REMAIN IN PLACE AND SHALL BE OPERATIONAL AT ALL TIMES.

LEGEND

- EXISTING LIGHT POLE AND LUMINAIRE
- EXISTING CONDUIT (TO REMAIN)
- EXISTING ELECTRIC SERVICE
- EXISTING LIGHTING CONTROLLER
- LIGHT POLE NUMBER
- REMOVAL ITEM

HIGHWAY LIGHTING SHEET 9 OF 21  
NOT TO SCALE

MODEL: Default  
FILE NAME: C:\Users\jandrews\OneDrive\Documents\113919\DOT Cedar St Bridge\113919\DOT Cedar St Bridge\113919\DOT Cedar St Bridge Lighting (Final 08-13-24).dgn

USER NAME	= jandrews	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 206,2628 ' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 1/30/2025	DATE	-	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HIGHWAY LIGHTING REMOVAL ITEMS CEDAR STREET BRIDGE (3 of 4)				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	103
				CONTRACT NO. 68G27
		ILLINOIS	FED. AID PROJECT	





- NOTE:
1. THE EXISTING WATERWAY OBSTRUCTION WARNING LIGHT SYSTEM TO REMAIN IN PLACE AND SHALL BE OPERATIONAL AT ALL TIMES.
  2. EXISTING LIGHTING CONTROLLER AND SERVICE ARE 480V.

LEGEND

- EXISTING LIGHT POLE AND LUMINAIRE
- EXISTING CONDUIT (TO REMAIN)
- EXISTING ELECTRIC SERVICE
- EXISTING LIGHTING CONTROLLER
- LIGHT POLE NUMBER
- REMOVAL ITEM

HIGHWAY LIGHTING SHEET 10 OF 21  
NOT TO SCALE

MODEL: Default  
FILE NAME: C:\Users\jandrews\OneDrive\Documents\113918\DOT Cedar St Bridge\113918\DOT Cedar St Bridge\113918\DOT Cedar St Bridge Lighting (Final) 08-13-24.dgn

USER NAME	= jandrews	DESIGNED -	REVISED -
PLOT SCALE	= 206,2628 ' / in.	DRAWN -	REVISED -
PLOT DATE	= 1/30/2025	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HIGHWAY LIGHTING REMOVAL ITEMS  
CEDAR STREET BRIDGE (4 of 4)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	104
				CONTRACT NO. 68G27
ILLINOIS FED. AID PROJECT				

MODEL: Default  
FILE NAME: C:\p1\13949\DOT Cedar St Bridge In\0204\08\_14\_68G27 Electrical Plans\68G27 Cedar Street Bridge Lighting (Final 08-13-24).dgn

PROPOSED LIGHT POLE SCHEDULE			
POLE NO.	STATION	83060514	82110008
		LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 6 FT. DAVIT ARM	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H*
		EACH	EACH
2	0+98.08	1.0	1.0
3	3+26.83	1.0	1.0
4	5+83.68	1.0	1.0
5	8+43.35	1.0	1.0
6	10+93.88	1.0	1.0
7	13+12.50	1.0	1.0
8	15+73.50	1.0	1.0
9	18+02.38	1.0	1.0
10	20+44.35	1.0	1.0
11	22+98.63	1.0	1.0
12	25+51.97	1.0	1.0
13	27+89.93	1.0	1.0
14	30+65.52	1.0	1.0
15	32+83.74	1.0	1.0
16	35+18.57	1.0	1.0
17	37+54.00	1.0	1.0
TOTAL		16.0	16.0
* THE CONTRACTOR SHALL FURNISH AND INSTALL NEW SURGE ARRESTOR, FUSEHOLDER, FUSES, AND LUMINAIRE WIRING IN POLE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED LUMINAIRES.			

HIGHWAY LIGHTING CONSTRUCTION NOTES	
1.	THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
2.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
3.	ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
4.	THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
5.	ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 817.04.
6.	ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
7.	THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BIDDING. THERE WILL BE NO ADDITIONAL COMPENSATION PAID FOR CLAIMS THAT ARISE FROM A FAILURE TO FULLY INVESTIGATE EXISTING FIELD CONDITIONS.
8.	REMOVAL OF EXISTING ITEMS (LIGHT POLES, LUMINAIRES, WIRING, LIGHTING CONTROLLERS, ETC.) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES FOR THE PROPOSED ITEMS. THE CONTRACTOR SHALL DISPOSE OF REMOVAL ITEMS OFF OF THE RIGHT OF WAY, WITH THE EXECPTION THAT THE CONTRACTOR SHALL DELIVER THE BASE MOUNTED LIGHTING CONTROLLER AND LED LUMINAIRES TO THE IDOT TRAFFIC BUILDING AT 1025 W. DETWEILLER DR. PEORIA, IL 61615.
9.	THE CONTRACTOR SHALL FURNISH AND INSTALL NEW FUSEHOLDERS, FUSES, AND WIRING FOR EACH LUMINAIRE IN ACCORDANCE WITH HIGHWAY STANDARD 821101-02. THE CONTRACTOR SHALL INSTALL SURGE ARRESTORS IN THE BASE OF EACH LIGHT POLE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE OF THE PROPOSED LUMINAIRES.
10.	THE EXISTING LIGHTING SYSTEM SHALL REMAIN IN OPERATION DURING THE INSTALLATION OF THE PROPOSED ITEMS.
11.	THE CONTRACTOR SHALL FURNISH AND INSTALL NEW CONDUIT, ELECTRIC SERVICE CONDUCTORS AND GROUND WIRE BETWEEN THE PROPOSED ELECTRIC SERVICE AND THE EXISTING TRANSFORMER, IN ACCORDANCE WITH THE UTILITY COMPANY REQUIREMENTS. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY,BUT SHALL BE INCLUDED IN THE UNIT BID PRICE OF THE PROPOSED ELECTRIC SERVICE.
12.	THE CONTRACTOR SHALL FURNISH AND INSTALL NEW 2" PVC CONDUIT, ELECTRIC SERVICE CONDUCTORS AND GROUND WIRE BETWEEN THE PROPOSED LIGHTING CONTROLLER AND PROPOSED ELECTRIC SERVICE. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICE OF THE PROPOSED ELECTRIC SERVICE.
13.	ALL EXISTING CONDUIT, ELECTRIC CABLING, LIGHTING CONTROLLER CONCRETE FOUNDATION, LIGHT POLE ANCHOR BOLTS, ETC. SHALL BE RE-USED WITH THE PROPOSED LIGHTING INSTALLATION.
14.	THE EXISTING WATERWAY OBSTRUCTION WARNING LIGHTING SYSTEM SHALL REMAIN IN PLACE AND OPERATIONAL AT ALL TIMES.
15.	MAINTENANCE OF EXISTING FACILITIES WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 PAYMENT FOR EXTRA WORK.
16.	THE EXISTING LIGHTING CONTROLLERS AND ELECTRIC SERVICES OPERATE AT 480V, THE PROPOSED LIGHTING CONTROLLERS AND ELECTRIC SERVICES SHALL OPERATE AT 240V. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY TO MEET ALL REQUIREMENTS NECESSARY TO INSTALL 240V, SINGLE PHASE SERVICES.
17.	THE CONTRACTOR SHALL MAKE REPAIRS TO THE EXISTING CONDUIT SYSTEM AS REQUIRED, INCLUDING REPLACING SEAL TIGHT, CONDUIT BRACKETS, ELBOWS, ETC. THIS WORK WILL BE PAID FOR AS EXTRA WORK ACCORDING TO ARTICLE 109.04.

	USER NAME = jandrews	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHT POLE SCHEDULE AND HIGHWAY LIGHTING CONSTRUCTION NOTES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						669	(103-I-8)BR	PEORIA/TAZWELL	115	105
	PLOT SCALE = 206,2628 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 68G27				
	PLOT DATE = 1/30/2025	DATE -	REVISED -						SCALE:	SHEET	OF	SHEETS	STA.
ILLINOIS FED. AID PROJECT													





BILL OF MATERIALS		
HIGHWAY LIGHTING SHEET 12		
DESCRIPTION	UNIT	QTY.
ELECTRIC SERVICE INSTALLATION	EACH	1.0
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4.0
LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP (DUAL)	EACH	1.0
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 6 FT. DAVIT ARM	EACH	4.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1.0
WIRELESS ETHERNET RADIO	EACH	3.0
CAT 5 ETHERNET CABLE	FOOT	282.0
CAT 6 ETHERNET CABLE	FOOT	675.0

WIRELESS ETHERNET RADIO SCHEDULE		
LABEL	LOCATION	LINK TO
RAD-1	MACARTHUR AND WASHINGTON MAST ARM STRAIN POLE (NW QUAD)	LIGHT POLE 5
RAD-2	LIGHT POLE 5	MACARTHUR AND WASHINGTON MAST ARM STRAIN POLE (NW QUAD)
RAD-3	LIGHT POLE 5	LIGHT POLE 17
RAD-4	LIGHT POLE 17	LIGHT POLE 5
CONTRACTOR SHALL AIM/ADJUST RADIOS AS NEEDED TO ACQUIRE A STRONG SIGNAL BETWEEN PAIRED RADIOS.		



- NOTES:
1. THE CONTRACTOR SHALL INSTALL THE PROPOSED LIGHTING CONTROLLER ON THE EXISTING CONCRETE FOUNDATION (VERIFY DIMENSIONS) AS SHOWN IN THE LIGHTING CONTROLLER DETAIL. THE CONTRACTOR SHALL INSTALL THE PROPOSED ELECTRIC SERVICE WITHIN 10 FT OF THE EXISTING LIGHTING CONTROLLER.
  2. THE CONTRACTOR SHALL INSTALL UNDERGROUND CONDUIT AND SERVICE CABLES AS NEEDED TO MEET UTILITY COMPANY REQUIREMENTS. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ELECTRIC SERVICE INSTALLATION.
  3. THE CONTRACTOR SHALL INSTALL TWO (2) WIRELESS ETHERNET RADIOS ON LIGHT POLE 5 AS SHOWN IN THE PLANS. ONE (1) RADIO SHALL BE AIMED TO CREATE A LINK TO LIGHT POLE 17. ONE (1) RADIO SHALL BE AIMED TO CREATE A LINK TO THE MAST ARM AT MACARTHUR & WASHINGTON.
  4. THE CONTRACTOR SHALL INSTALL ONE (1) WIRELESS ETHERNET RADIO ON THE MAST ARM STRAIN POLE IN THE NW QUADRANT OF MACARTHUR & WASHINGTON TO CREATE A LINK TO LIGHT POLE 5, AS SHOWN IN THE PLANS.
  5. THE CONTRACTOR SHALL INSTALL AN IDOT FURNISHED ETHERNET SWITCH IN THE PROPOSED LIGHTING CONTROLLER CABINET FOR USE WITH THE PROPOSED CCTV AND ETHERNET RADIOS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE LIGHTING CONTROLLER.
  6. THE CCTV CAMERA SHALL BE INSTALLED AT 43 FT. MOUNTING HEIGHT.
  7. THE WIRELESS ETHERNET RADIOS SHALL BE INSTALLED AT 45 FT. MOUNTING HEIGHT.
  8. THE EXISTING LIGHTING CONTROLLER AND ELECTRIC SERVICE ARE 480V, THE PROPOSED LIGHTING CONTROLLER AND ELECTRIC SERVICE SHALL BE 240V.

LEGEND

- PROPOSED LIGHT POLE AND LUMINAIRE
- EXISTING CONDUIT
- PROPOSED ELECTRIC SERVICE
- PROPOSED LIGHTING CONTROLLER
- EXISTING WOOD POLE
- LIGHT POLE NUMBER
- PROPOSED WIRELESS ETHERNET RADIO
- PROPOSED CCTV CAMERA

ELECT SERV INSTALL  
1.0 EACH (SEE NOTE)

LT CONT BASEM 240V100D  
1.0 EACH (SEE NOTE)

EX. CONDUIT (230')  
FROM LIGHTING CONTROLLER TO LIGHT POLE 5

CAT 6 ETHERNET CABLE  
282.0 FT.  
WIRELESS ETHERNET RAD  
1.0 EACH (RAD-2, SEE NOTE)

CAT 6 ETHERNET CABLE  
282.0 FT.  
WIRELESS ETHERNET RAD  
1.0 EACH (RAD-3, SEE NOTE)

IL 8/ IL 116 (MACARTHUR) & WASHINGTON



CONDUIT AND SERVICE CABLES  
(SEE NOTE)

CCTV DOME CAMERA HD  
1.0 EACH  
CAT 5 ETHERNET CABLE  
282.0 FT.

MODEL: Default  
FILE NAME: C:\p1\13949\DOT Cedar & Havana Phase 1 and 11\workfiles from Client\68G27 Cedar St Bridge Lighting (Final 08-13-24).dgn

USER NAME = jandrews	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 206,2628 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY LIGHTING ITEMS			
CEDAR STREET BRIDGE (1 of 4)			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/AZWELL	115	106
				CONTRACT NO. 68G27
ILLINOIS		FED. AID PROJECT		



BILL OF MATERIALS		
HIGHWAY LIGHTING SHEET 13		
DESCRIPTION	UNIT	QTY.
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4.0
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 6 FT. DAVIT ARM	EACH	4.0



NOTE:  
1. THE EXISTING WATERWAY OBSTRUCTION WARNING LIGHT SYSTEM TO REMAIN IN PLACE AND SHALL BE OPERATIONAL AT ALL TIMES.

LEGEND	
	PROPOSED LIGHT POLE AND LUMINAIRE
	EXISTING CONDUIT
	LIGHT POLE NUMBER
	EXISTING WWOWL LUMINAIRE (RED)
	EXISTING WWOWL LUMINAIRE (GREEN)

HIGHWAY LIGHTING SHEET 13 OF 21  
NOT TO SCALE

MODEL: Default  
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USER NAME = jandrews	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 206,2628 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY LIGHTING ITEMS			
CEDAR STREET BRIDGE (2 of 4)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	107
				CONTRACT NO. 68G27
		ILLINOIS	FED. AID PROJECT	



BILL OF MATERIALS		
HIGHWAY LIGHTING SHEET 14		
DESCRIPTION	UNIT	QTY.
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4.0
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 6 FT. DAVIT ARM	EACH	4.0



LEGEND	
	PROPOSED LIGHT POLE AND LUMINAIRE
	EXISTING CONDUIT
	LIGHT POLE NUMBER

HIGHWAY LIGHTING SHEET 14 OF 21  
NOT TO SCALE

MODEL: Default  
FILE NAME: C:\Users\jandrews\OneDrive\Documents\113949\DOT Cedar & Havana Phase 1 and 11\WorkFiles from Client\68G27 Cedar St Bridge Info\2024-08-14 68G27 Electrical Plans\68G27 Cedar Street Bridge Lighting (Final 08-13-24).dgn

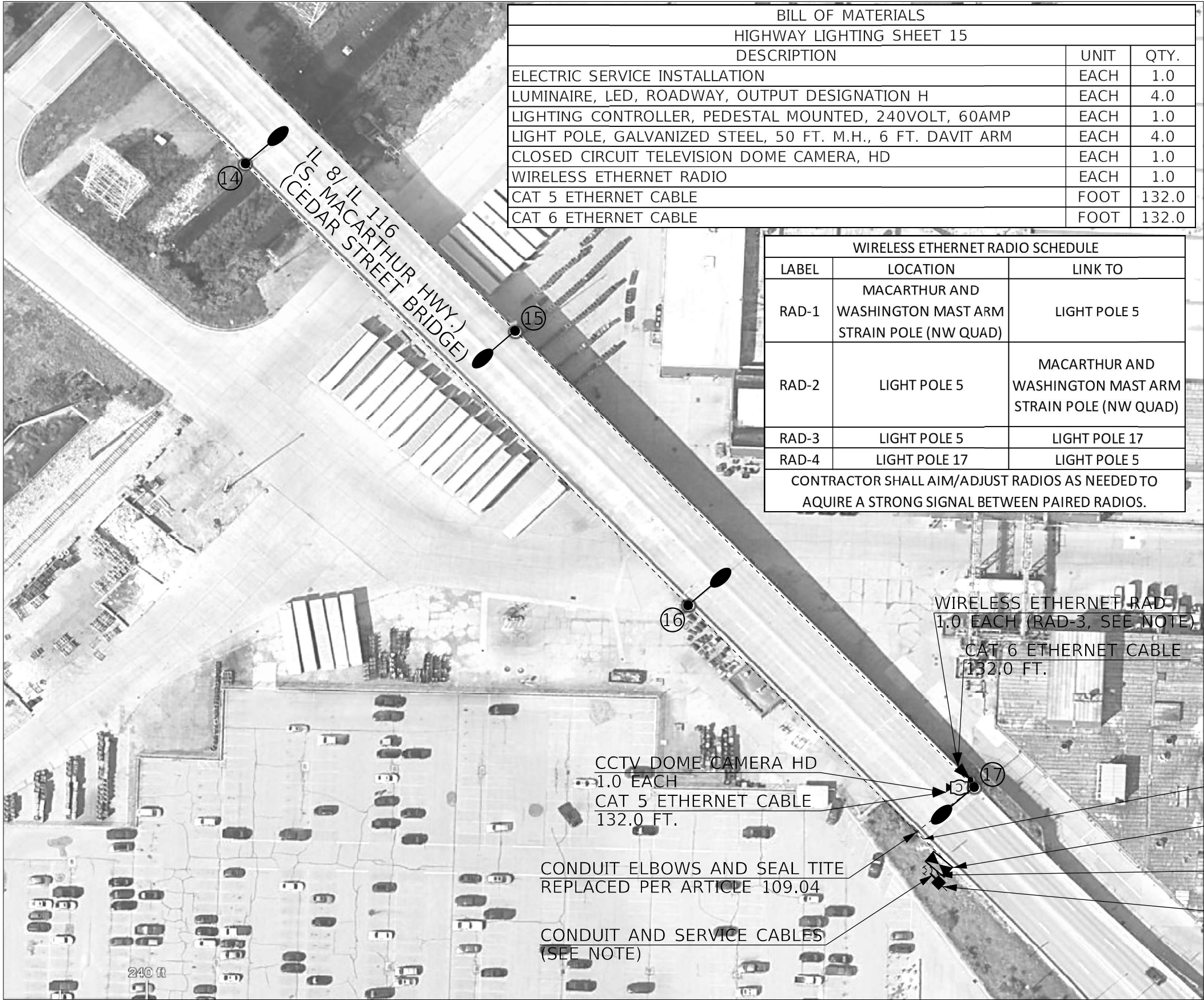
USER NAME = jandrews	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 206,2628 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY LIGHTING ITEMS			
CEDAR STREET BRIDGE (3 of 4)			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZWELL	115	108
				CONTRACT NO. 68G27
		ILLINOIS	FED. AID PROJECT	





BILL OF MATERIALS		
HIGHWAY LIGHTING SHEET 15		
DESCRIPTION	UNIT	QTY.
ELECTRIC SERVICE INSTALLATION	EACH	1.0
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4.0
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1.0
LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 6 FT. DAVIT ARM	EACH	4.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1.0
WIRELESS ETHERNET RADIO	EACH	1.0
CAT 5 ETHERNET CABLE	FOOT	132.0
CAT 6 ETHERNET CABLE	FOOT	132.0

WIRELESS ETHERNET RADIO SCHEDULE		
LABEL	LOCATION	LINK TO
RAD-1	MACARTHUR AND WASHINGTON MAST ARM STRAIN POLE (NW QUAD)	LIGHT POLE 5
RAD-2	LIGHT POLE 5	MACARTHUR AND WASHINGTON MAST ARM STRAIN POLE (NW QUAD)
RAD-3	LIGHT POLE 5	LIGHT POLE 17
RAD-4	LIGHT POLE 17	LIGHT POLE 5
CONTRACTOR SHALL AIM/ADJUST RADIOS AS NEEDED TO AQUIRE A STRONG SIGNAL BETWEEN PAIRED RADIOS.		



LEGEND	
	PROPOSED LIGHT POLE AND LUMINAIRE
	EXISTING CONDUIT
	PROPOSED ELECTRIC SERVICE
	PROPOSED LIGHTING CONTROLLER
	EXISTING WOOD POLE
	LIGHT POLE NUMBER
	PROPOSED WIRELESS ETHERNET RADIO
	PROPOSED CCTV CAMERA

- NOTES:
- THE CONTRACTOR SHALL FURNISH AND INSTALL A METAL FOUNDATION FOR THE PROPOSED LIGHTING CONTROLLER, AS SHOWN IN THE LIGHTING CONTROLLER DETAIL. THE CONTRACTOR SHALL INTERCEPT AND INSTALL THE EXISTING LIGHTING CONDUITS INTO THE PROPOSED METAL FOUNDATION. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE LIGHTING CONTROLLER.
  - THE CONTRACTOR SHALL INSTALL THE PROPOSED ELECTRIC SERVICE WITHIN 10 FT OF THE PROPOSED LIGHTING CONTROLLER.
  - THE CONTRACTOR SHALL INSTALL UNDERGROUND CONDUIT AND SERVICE CABLES BETWEEN THE EXISTING WOOD POLE AND PROPOSED ELECTRIC SERVICE AS NEEDED TO MEET UTILITY COMPANY REQUIREMENTS. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ELECTRIC SERVICE INSTALLATION.
  - THE CONTRACTOR SHALL INSTALL UNDERGROUND CONDUIT AND SERVICE CABLES BETWEEN THE PROPOSED ELECTRIC SERVICE AND THE PROPOSED LIGHTING CONTROLLER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED ELECTRIC SERVICE INSTALLATION.
  - THE CONTRACTOR SHALL INSTALL ONE (1) WIRELESS ETHERNET RADIO ON LIGHT POLE 17, AIMED TO CREATE A LINK TO LIGHT POLE 5, AS SHOWN IN THE PLANS.
  - THE CONTRACTOR SHALL INSTALL AN IDOT FURNISHED ETHERNET SWITCH IN THE PROPOSED LIGHTING CONTROLLER CABINET FOR USE WITH THE PROPOSED CCTV AND ETHERNET RADIOS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE LIGHTING CONTROLLER.
  - THE CCTV CAMERA SHALL BE INSTALLED AT 43 FT. MOUNTING HEIGHT.
  - THE WIRELESS ETHERNET RADIO SHALL BE INSTALLED AT 45 FT. MOUNTING HEIGHT.
  - THE EXISTING LIGHTING CONTROLLER AND ELECTRIC SERVICE ARE 480V. THE PROPOSED LIGHTING CONTROLLER AND ELECTRIC SERVICE SHALL BE 240V.

- EX. CONDUIT (80')  
FROM LIGHTING CONTROLLER TO LIGHT POLE 17
- LT CONT PEDM 240V 60  
1.0 EACH (SEE NOTE)
- CONDUIT AND SERVICE CABLES  
(SEE NOTE)
- ELECT SERV INSTALL  
1.0 EACH (SEE NOTE)

MODEL: Default  
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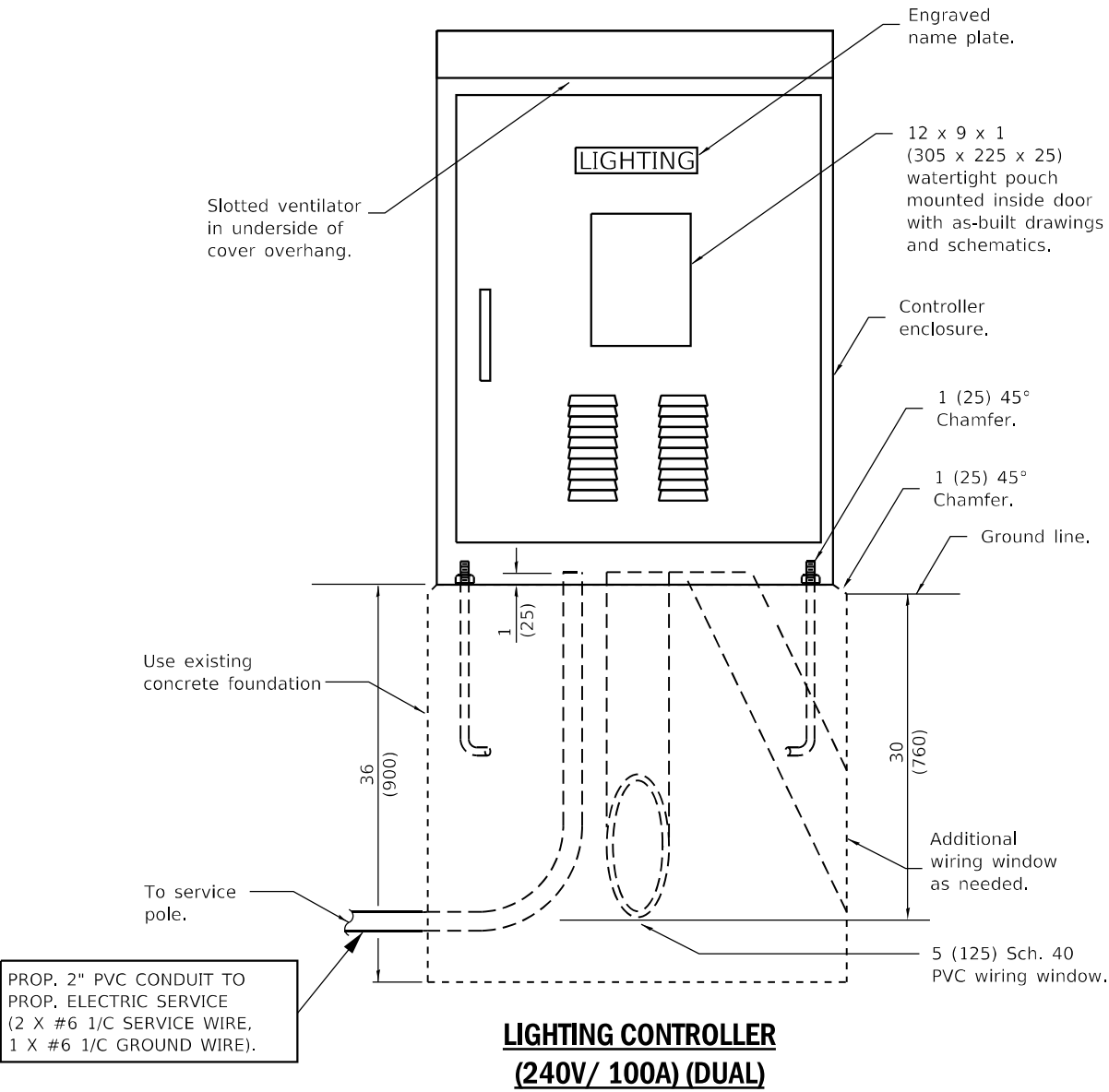
USER NAME = jandrews	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 206,2628 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY LIGHTING ITEMS			
CEDAR STREET BRIDGE (4 of 4)			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/AZWELL	115	109
				CONTRACT NO. 68G27
ILLINOIS		FED. AID PROJECT		

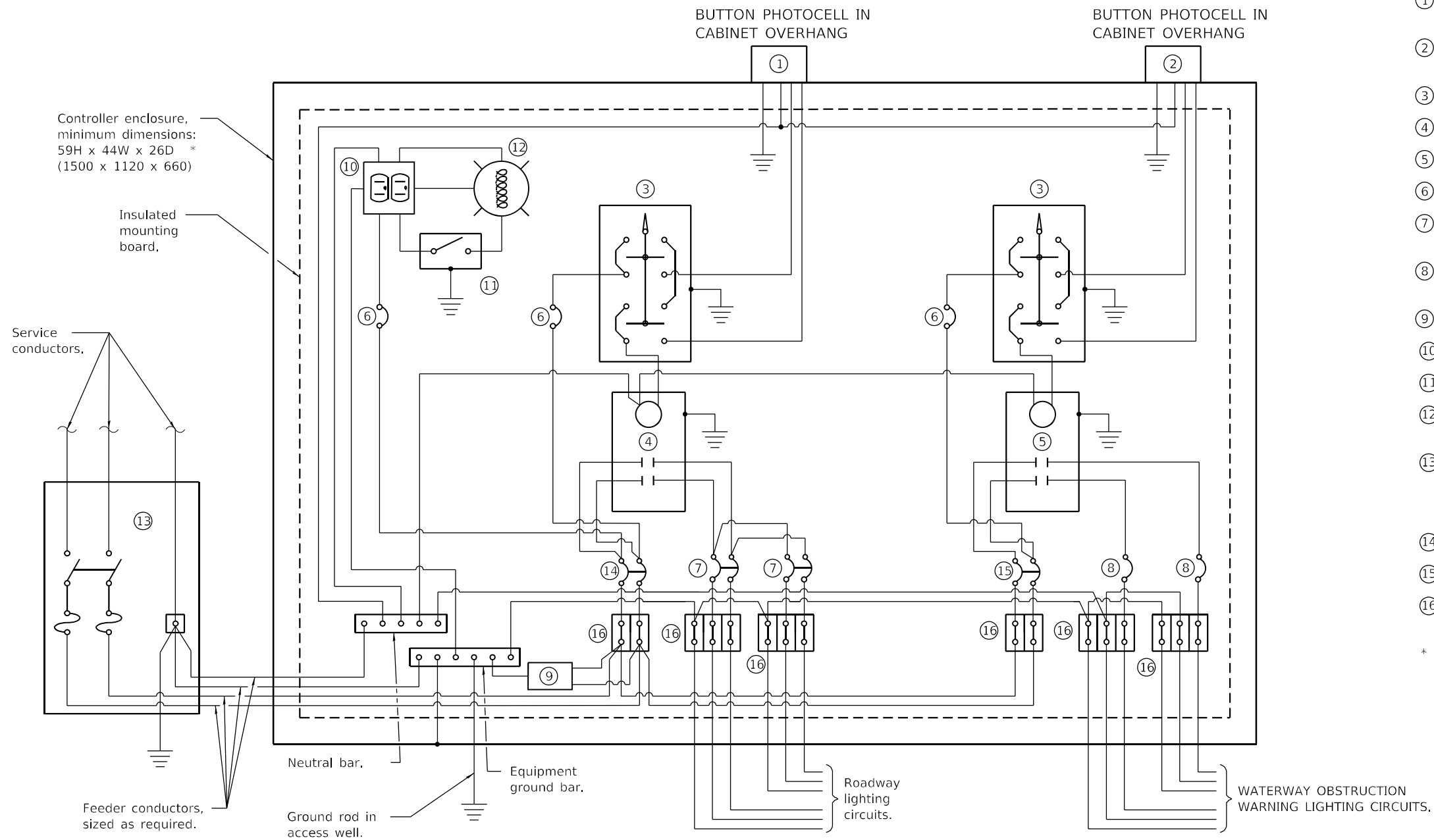
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FILE NAME: C:\Jal\13949\DOT Cedar & Havana Phase 1 and 11\workfiles from Client\68G27 Cedar St Bridge Info\2024\08\_14\_68G27 Electrical Plans\68G27 Cedar Street Lighting (Final 08-13-24).dgn



- NOTES:
1. THE COST OF THE UNDERGROUND SERVICE CABLE/ CONDUIT FROM THE EXISTING TRANSFORMER TO THE PROPOSED ELECTRICAL SERVICE AND SERVICE CABLE/ CONDUIT FROM THE ELECTRICAL SERVICE TO THE LIGHTING CONTROLLER SHALL BE INCLUDED IN THE COST OF THE PROPOSED ELECTRICAL SERVICE INSTALLATION.
  2. THE CONTRACTOR SHALL REMOVE THE EXISTING LIGHTING CONTROLLER AND DISPOSE OF IT OFF THE R.O.W. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED LIGHTING CONTROLLER.
  3. THE CONTRACTOR SHALL FURNISH AND INSTALL THE PROPOSED 2" PVC CONDUIT, 2 X #6 1/C SERVICE WIRE, AND 1 X #6 1/C GROUND WIRE TO THE PROPOSED ELECTRIC SERVICE. IF NECESSARY, THE CONTRACTOR SHALL DRILL THE EXISTING CONCRETE FOUNDATION TO INSTALL THE PROPOSED 2" PVC CONDUIT. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE OF THE ELECTRIC SERVICE INSTALLATION.
  4. THE PROPOSED LIGHTING CONTROLLER CABINET SHALL BE INSTALLED ON THE EXISTING CONCRETE FOUNDATION.
  5. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO ORDERING THE PROPOSED LIGHTING CONTROLLER CABINET.

	USER NAME = jandrews	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING CONTROLLER, BASE MOUNTED, 240V, 100AMP (DUAL) DETAIL		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				669	(103-I-8)BR	PEORIA/TAZWELL	115	110
	PLOT SCALE = 206,2628 ' / in.	CHECKED -	REVISED -				CONTRACT NO. 68G27				
	PLOT DATE = 1/30/2025	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
SCALE:		SHEET	OF	SHEETS	STA.	TO STA.					

MODEL: Default  
FILE NAME: C:\Users\jandrews\OneDrive\Documents\11391919\DOT Cedar & Havana Phase 1 and 11\WorkFiles from Client\68G27 Cedar St Bridge Info\2024-08-14 68G27 Electrical Plans\68G27 Cedar Street Bridge Lighting (Final 08-13-24).dgn



**CONTROL SCHEMATIC**

- ① Photocell with integral surge arrester for roadway lighting. (BUTTON PHOTOCELL INSTALLED IN CABINET OVERHANG.)
- ② Photocell with integral surge arrester for navigation lighting. (BUTTON PHOTOCELL INSTALLED IN CABINET OVERHANG.)
- ③ HAND-OFF-AUTO selector switch.
- ④ 100 amp\*, electrically held contactor.
- ⑤ 60 amp\*, electrically held contactor.
- ⑥ 15 amp, 1-pole circuit breaker
- ⑦ 30 amp\*, 2-pole circuit breaker QTY. 6 (4 ROADWAY LIGHTING + 2 SPARES)
- ⑧ 20 amp\*, 1-pole circuit breaker QTY. 3 (1 WWOWL + 1 ITS + 1 SPARE)
- ⑨ Surge arrester.
- ⑩ GFCI duplex receptacle.
- ⑪ Single-pole, single-throw switch.
- ⑫ LED light bulb, enclosed and gasketed with 800 lumen lamp.
- ⑬ Service disconnect switch - 2-pole, 3-wire, 100 amp\*, fused at 100 amp\*, solid neutral in NEMA 4X enclosure having lockable external handle.
- ⑭ 60 amp\*, 2-pole circuit breaker.
- ⑮ 30 amp\*, 2-pole circuit breaker.
- ⑯ Terminal block sized for conductors as shown on plans.

\* Size larger as needed.

LIGHTING CONTROLLER SHALL BE EQUIPPED WITH ONE NEMA 20A NON-GFCI EQUIPMENT RECEPTACLE (WITH CONTINUOUS POWER) AND DIN RAIL SECTION FOR CCTV EQUIPMENT MOUNTING (NOT SHOWN IN CONTROLLER WIRING DIAGRAM)

LIGHTING CONTROLLER SHALL BE EQUIPPED WITH ONE 100A 2-POLE MAIN CIRCUIT BREAKER FOR ROADWAY LIGHTING CIRCUITS AND ONE 60A 2-POLE MAIN CIRCUIT BREAKER FOR WWOWL CIRCUITS. (NOT SHOWN IN CONTROLLER WIRING DIAGRAM)

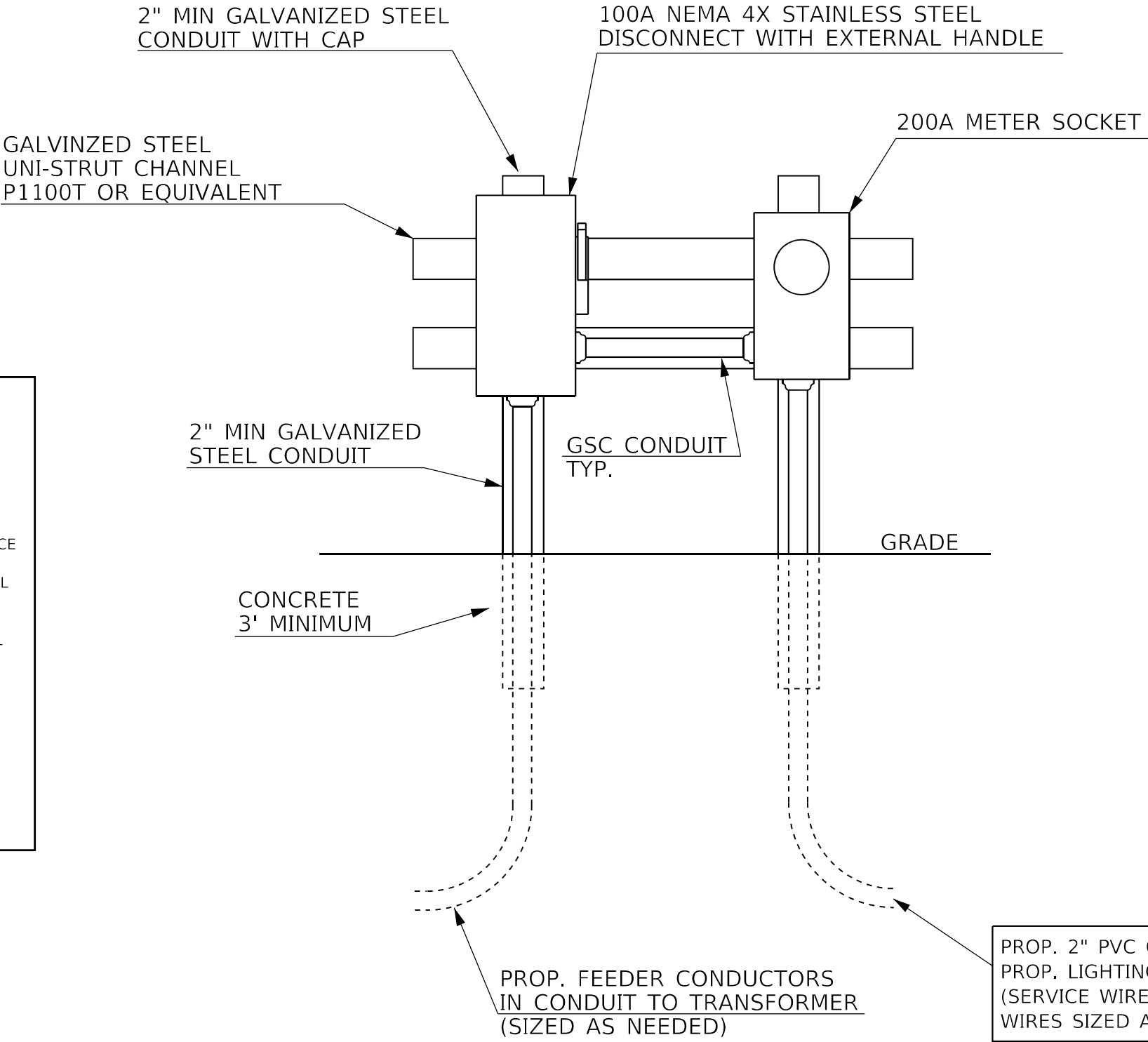
All dimensions are in inches (millimeters) unless otherwise shown.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING CONTROLLER, BASE MOUNTED, 240V, 100AMP (DUAL) DETAIL (CONTINUED)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SCALE:			669	(103-I-8)BR	PEORIA/TAZWELL	115	111
	SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 68G27				
				ILLINOIS FED. AID PROJECT				
USER NAME = jandrews	DESIGNED -	REVISED -						
DRAWN -		REVISED -						
PLOT SCALE = 206,2628 ' / in.	CHECKED -	REVISED -						
PLOT DATE = 1/30/2025	DATE -	REVISED -						



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**ELECTRIC SERVICE INSTALLATION**



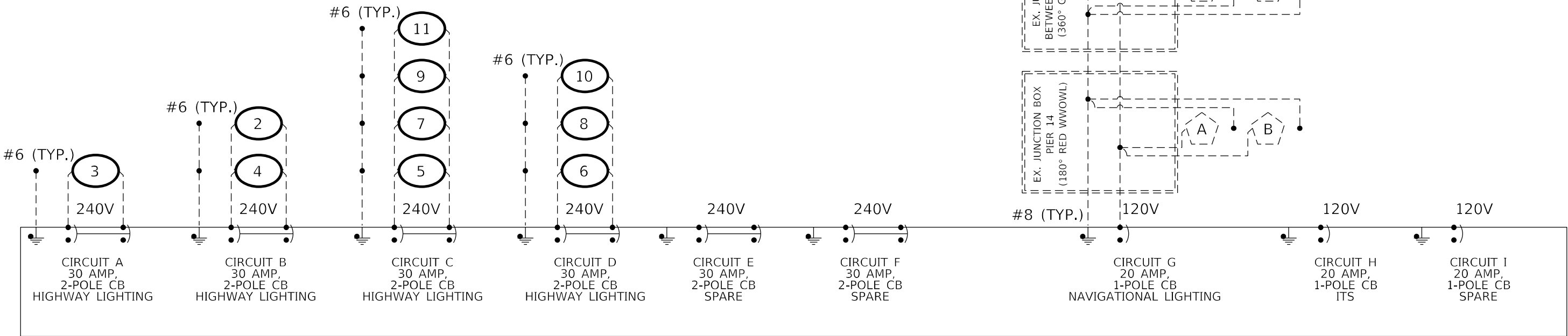
**NOTES:**

1. THE COST OF THE UNDERGROUND SERVICE CABLE/ CONDUIT FROM THE EXISTING TRANSFORMER TO THE PROPOSED ELECTRICAL SERVICE AND SERVICE CABLE/ CONDUIT FROM THE ELECTRICAL SERVICE TO THE SIGNAL CONTROLLER SHALL BE INCLUDED IN THE COST OF THE PROPOSED ELECTRICAL SERVICE INSTALLATION.
2. THE CONTRACTOR SHALL VERIFY UTILITY COMPANY SERVICE INSTALLATION REQUIREMENTS, THERE WILL BE NO ADDITIONAL COMPENSATION TO ACCOMODATE ADDITIONAL REQUIREMENTS NOT SHOWN IN THE PLANS.
3. THE PROPOSED ELECTRICAL SERVICE INSTALLATION SHALL BE LOCATED WITHIN 10 FT. OF THE PROPOSED LIGHTING CONTROLLER AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT UTILITY COMPANY REQUIREMENTS.
4. WIRE TO BE SIZED PER NEC REQUIREMENTS.
5. THE CONTRACTOR SHALL COORDINATE INSTALLATIONS OF THE PROPOSED ELECTRIC SERVICE WITH THE UTILITY PROVIDER.

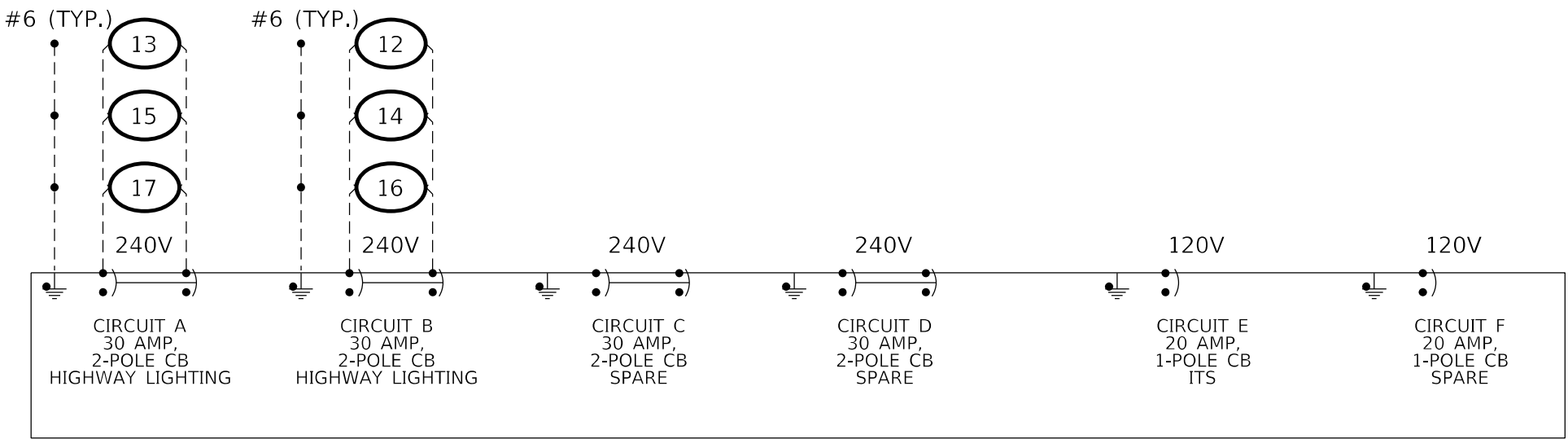
HIGHWAY LIGHTING SHEET 19 OF 21  
NOT TO SCALE

	USER NAME = jandrews	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED ELECTRIC SERVICE INSTALLATION DETAIL				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 206,2628 ' / in.	DRAWN -	REVISED -						669	(103-I-8)BR	PEORIA/TAZWELL	115	113
	PLOT DATE = 1/30/2025	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 68G27				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

PROPOSED CEDAR STREET BRIDGE LIGHTING CONTROLLER (PEORIA COUNTY SIDE)  
CONTROL INSTALLATION TYPE CB-RCS-100-240D (BASEMOUNT)  
NEAR PIER 10



PROPOSED CEDAR STREET BRIDGE LIGHTING CONTROLLER (TAZEWELL COUNTY SIDE)  
CONTROL INSTALLATION TYPE CB-RCS-60-240 (PEDESTAL MOUNT)  
AT EAST ABUTMENT STA. 37+80



- LEGEND
- # PROPOSED LED LUMINAIRE
  - #/ EXISTING WWOWL LUMINAIRE
  - EXISTING CONDUCTOR

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FILE NAME: C:\Users\jandrews\OneDrive\Documents\1139494\DOT Cedar & Havana Phase I and II\WorkFiles from Client\68G27 Electrical\Plan\68G27 Cedar Street Bridge Lighting (Final 08-13-24).dgn

USER NAME = jandrews	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 206,2628 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED WIRING DIAGRAMS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	(103-I-8)BR	PEORIA/TAZEWELL	115	114
CONTRACT NO. 68G27				
ILLINOIS FED. AID PROJECT				



Luminaire Performance Table



Project

Date	Contract Number	Section Number	County
03/05/24	68G27		Peoria & Tazewell

Marked Route Number	Municipality
IL 8/ IL 116	Peoria & East Peoria

Roadway

Lane Width	# of Lanes	Median Width	I.E.S. Surface Classification	Q-Zero Value
12	2 Each Dir	0	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back	Number of Luminaires (Highmast & Sign Lighting Only)
50	6	1	N/A

Luminaire

Description	I.E.S. Lateral Distribution	I.E.S. Vertical Distribution
ROADWAY, OUTPUT DESIGNATION H	MEDIUM	TYPE III

Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
0.7	U=0	N/A	0-10V

Layout

Spacing (to Nearest 5 ft)	Configuration (Opposite, Staggered, 1 Sided, or Median)
500 FT (Same Side)	Staggered

Performance

Average Illuminance, $E_{AVE}$ (fc)	Uniformity Ratio, $E_{AVE}/E_{MIN}$		
NA	NA		
Average Luminance, $L_{AVE}$ (cd/m <sup>2</sup> )	Uniformity Ratio, $L_{AVE}/L_{MIN}$	Uniformity Ratio, $L_{MAX}/L_{MIN}$	Veiling Luminance Ratio, $L_v/L_{AVE}$
≥ 0.6	≤ 3.5:1	≤ 6:1	≤ 0.3

Light Trespass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, $E_H$	Max. Vertical Illuminance at ROW, $E_v$
N/A	N/A	N/A

Notes

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

- Photometric calculations shall be performed with Two lanes in each direction.
- Performance criteria shall be held to one significant digit.
- Performance table is intended to define the luminaire and does not necessarily represent any specific geometry, arm length, or mounting height.

Printed 03/06/24

BDE 5630 (04/10/19)

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	USER NAME = jandrews	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LUMINAIRE PERFORMANCE TABLE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					669	(103-I-8)BR	PEORIA/TAZEWELL	115	115
	PLOT SCALE = 206,2628 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 68G27				
	PLOT DATE = 1/30/2025	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
SCALE:		SHEET	OF	SHEETS	STA.	TO STA.						