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 (600 AND 60AO NOT INCLUDED)

HIGHWAY STANDARDS

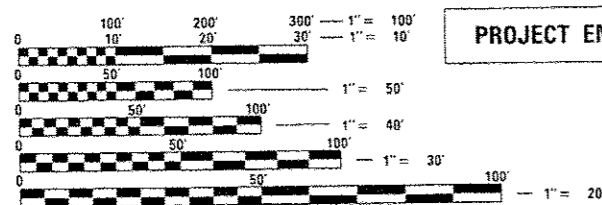
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542401-01	701400-08	704001-08	
602301-04	701401-09	725001	
604036-03	701411-09	781001-04	
630301-06	701416-09	782006	

DISTRICT STANDARDS

440001-D4
542016-D4
630101-D4
780001-D4

DESIGN DESIGNATION: INTERSTATE

I-474: ADT = 23,750
 MU = 3,350
 SU = 1,600



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.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

PROJECT ENGINEER: CHRISTOPHER MAUSHARD (309) 671-3453
 PROJECT MANAGER: MICHAEL HUDELSON (309) 671-3466

CONTRACT NO. 68B00
 CATALOG NO. 034798-00D

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

FAI ROUTE 474 (I-474)
 SECTION [(72,90)5B]I-3
 PROJECT : ACNHPP-0474(106)
 TYPE of IMPROVEMENT: BRIDGE REPAIR
 PEORIA / TAZEWELL COUNTY

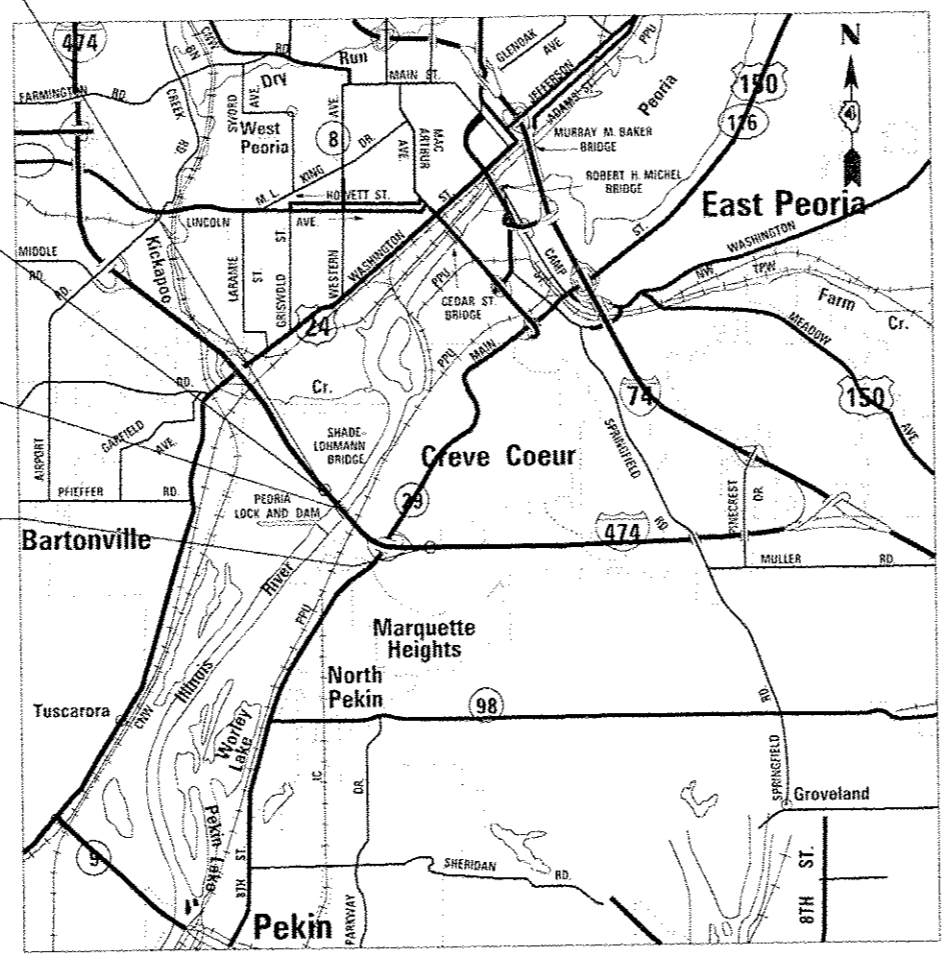
C-94-079-12

PROJECT BEGINS STA 419 + 32

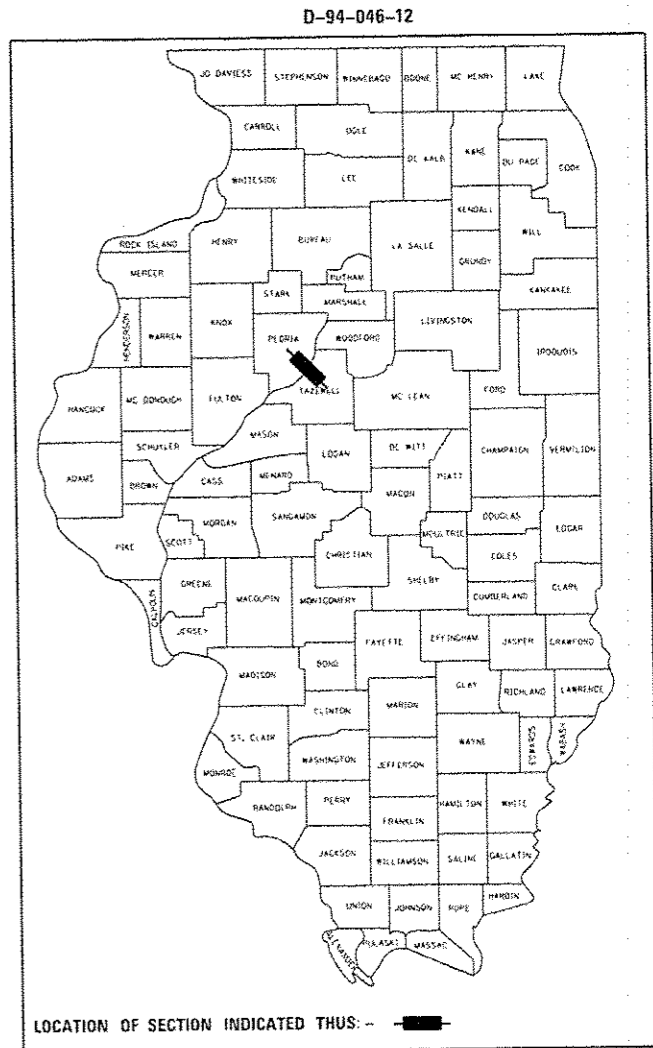
STATION EQUATION:
 STA 449 + 28.26 BK =
 STA 56 + 06.88 AH

SN # 090-0108 EB
 SN # 090-0109 WB

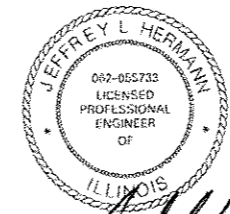
PROJECT ENDS STA. 133 + 00



GROSS LENGTH = 10,695 FT. = 2.026 MILE
 NET LENGTH = 3,467 FT. = 0.66 MILE



Robert D. Niemitz 7-28-2016
 SIGNATURE DATE
 LICENSE EXPIRES: 11-30-2017
 SHEETS: 1-8, 13-15, 20-37



Jeffrey L. Hermann 7-27-16
 SIGNATURE DATE
 LICENSE EXPIRES: 11-30-17
 SHEETS: 9-12, 16-19, 74-87

PROJECT DESCRIPTION:
 MISCELLANEOUS SUPERSTRUCTURE REPAIRS AND PAINTING;
 MISCELLANEOUS SUBSTRUCTURE REPAIRS AND SCOUR
 MITIGATION TO STRUCTURES CARRYING I-474
 (SHADE-LOHMANN BRIDGE) OVER ILLINOIS RIVER
 (S.N. 090-0108 EB, 090-0109 WB) WEST OF CREVE COEUR

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED 8/11/2016
Krista A. Yetter
 REGIONAL ENGINEER

Sep 30 2016
Maureen M. Addis
 ENGINEER OF DESIGN AND ENVIRONMENT

Sep 30 2016
Maureen M. Addis
 DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

REVISD 10-20-16

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				90% FEDERAL 10% STATE BRIDGE 0014	90% FEDERAL 10% STATE ROADWAY 0004	90% FEDERAL 10% STATE ROADWAY 0004		
				TAZEWELL STRUCTURES	PEORIA COUNTY	TAZEWELL COUNTY		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	40		0	40		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	40		0	40		
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1				
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	8750	8750				
* 82600105	NAVIGATION OBSTRUCTION LIGHTING CONTROLLER	EACH	1	1				
* 84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	11		6	5		
* 84301100	REMOVAL OF NAVIGATION OBSTRUCTION WARNING LIGHTING UNIT	EACH	8	8				
* 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1	1				
* 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1	1				
X0322559	BOLT REPLACEMENT	EACH	5372	5372				
X0322792	BEDDING MATERIAL, SPECIAL	CU YD	55	55				
* X0327739	MISCELLANEOUS ELECTRICAL WORK	LSUM	1	1				
X0327762	RAILROAD FLAGGER	LSUM	1	1				
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	29088		5000	24088		

*SPECIALTY ITEM

REVISER 10-20-16

FILE NAME: P:\1133781\PEO-TAZ\1133781\1133781-3\1133781-3-SHT-500.dgn



USER NAME : sfreddol	DESIGNED - CLS	REVISED -
PLOT SCALE : 2.0000 "/>	DRAWN - CLS	REVISED -
PLOT DATE : 8/1/2016	CHECKED - CEA	REVISED -
	DATE - 07-22-16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	((72, 90)501)-3	PEO-TAZ	93	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68800	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				90% FEDERAL 10% STATE BRIDGE 0014	90% FEDERAL 10% STATE ROADWAY 0004	90% FEDERAL 10% STATE ROADWAY 0004		
				TAZEWELL STRUCTURES	PEORIA COUNTY	TAZEWELL COUNTY		
* X1400023	CONDUIT, FLEXIBLE, LIQUID TIGHT, METALLIC, 2" DIAMETER	FOOT	40	40				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1		0.5	0.5		
X7010410	SPEED DISPLAY TRAILER	CAL MO	32		16	16		
X7040010	TEMPORARY CONCRETE BARRIER (SPECIAL)	FOOT	520		180	340		
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	43545		13603	29942		
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	5468		1700	3768		
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	5268		0	5268		
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	683		0	683		
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	54		23	31		
Z0001905	STRUCTURAL STEEL REPAIR	POUND	11480	11480				
* Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	LSUM	1	1				
* Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	LSUM	1	1				
* Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	LSUM	1	1				
* Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	LSUM	1	1				

14
 * SPECIALTY ITEM

△ REVISED 10-20-16

GENERAL NOTES

Fasteners shall be 7/8" φ high strength bolts in 1 5/16" φ holes
 Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts.
 Bolts 7/8 in. φ, holes 1 5/16 in. φ unless otherwise noted.

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

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

Reinforcement bars designated (E) shall be epoxy coated.

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

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

Cleaning and painting shall be as specified in the Special Provisions for "Cleaning and Painting Existing Structural Steel." All beams, brackets and all other structural steel shall be cleaned per Near White Blast Cleaning SSPC-SP10.

All structural steel, except that previously metallized on either side of the expansion joints under an earlier contract, shall be cleaned and painted.

All structural steel shall be painted Warm Gray (Munsell No. 2.5Y 5/1)
 All painting shall be done using Paint System 1 OZ/E/U.

Recycled steel grit abrasive equipment shall be used for all structures. Recycled equipment shall have a minimum of two recycled grit nozzle men operating simultaneously with the vacuum cleaning operations. The equipment's blast pot shall be capable of being filled without interruption of the blasting or vacuuming operations. Independent operations will not be allowed.

AIR MONITORS - 2 air monitors per location
 OPI & OP2 required for this project

The Contractor shall remove and replace existing bolts and nuts in the truss satisfying the requirements for corroded bolts and nuts as stated in the special provision BOLT REPLACEMENT. Contractor shall allow for 250 bolt replacements over and above those shown in the plans, the location of which shall be determined by the Contractor to conform with the special provision and/or as determined by the Engineer.

Work shown in these plans shall be accomplished using structure crossovers. See Traffic Control Staging Sections for staging layout.

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, ect. 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.

Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Structural Steel Repair.

ID No. references indicate the deficiency item number listed in the 2015 NBIS inspection report.

TOTAL BILL OF MATERIALS

ITEM	UNIT	SUPER	SUB	TOTAL
Cleaning and Painting Structural Steel, S.N. 090-0108	LSum	1		1
Cleaning and Painting Structural Steel, S.N. 090-0109	LSum	1		1
Bolt Replacement	Each	5372		5372
Structural Steel Repair	Pound	11,480		11,480
Containment and Disposal of Lead Paint Cleaning Residues, S.N. 090-108	LSum	1		1
Containment and Disposal of Lead Paint Cleaning Residues, S.N. 090-109	LSum	1		1
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.	3979		3979
Holes Drilled	Each	336		336
Removal and Disposal of Unsuitable Materials	Cu. Yd.		2200	2200
Stone Dumped Riprap Class A6	Sq. Yd.		2740	2740
Geotechnical Fabric for Ground Stabilization	Sq. Yd.		1645	1645
Stabilization Fabric	Sq. Yd.		2150	2150
Bedding Material, Special	Cu. Yd.		55	55

CURRENT RATINGS ON FILE FOR EXISTING STRUCTURES

Inventory: HS 18.2
 Operating: HS 30.4
 Live Load Restrictions: None

INDEX OF SHEETS

- General Plan and Elevation
- General Notes, Bill of Material & Index of Sheets
- General Plan and Repair Location - Eastbound Span 4
- General Plan and Repair Location - Eastbound Spans 9, 10 & 11
- General Plan and Repair Location - Eastbound Span 12
- General Plan and Repair Location - Eastbound Span 14
- General Plan and Repair Location - Eastbound Span 16
- Structural Steel Repair Details - Eastbound
- General Plan and Repair Location - Westbound Spans 4 & 5
- General Plan and Repair Location - Westbound Spans 6 & 8
- General Plan and Repair Location - Westbound Spans 9, 10 & 11
- General Plan and Repair Location - Westbound Span 16
- Structural Steel Repair Details - Westbound
- Structural Steel Repair Details - Westbound
- Miscellaneous Structural Steel Repairs - Eastbound and Westbound
- Pier 4 Substructure Repair, EB
- Pier 8 Substructure Repair, EB
- Pier 9 Substructure Repair, EB
- Pier 10 Substructure Repair, EB
- Pier 11 Substructure Repair, EB
- West Abutment & Pier 4 Substructure Repair, WB
- Pier 8 & 9 Substructure Repair, WB
- Pier 10 & 11 Substructure Repair, WB
- Pier 9 and Pier 10 Scour Mitigation
- Pier 9 Eastbound Scour Mitigation Cross Sections
- Pier 9 Westbound Scour Mitigation Cross Sections
- Pier 10 Eastbound Scour Mitigation Cross Sections
- Pier 10 Westbound Scour Mitigation Cross Sections

△ REVISED 10-20-16

FILE NAME = 8FILES



4140 Lindell Boulevard
 St. Louis, MO 63104
 314-454-0222

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS

GENERAL NOTES, BILL OF MATERIAL & INDEX OF SHEETS
 S.N. 090-0108 & 090-0109

F.A.I. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172,9D15B)-3	PEORIA/TAZEWELL	93	39
CONTRACT NO. 68800				

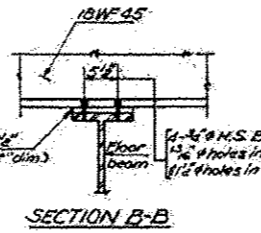
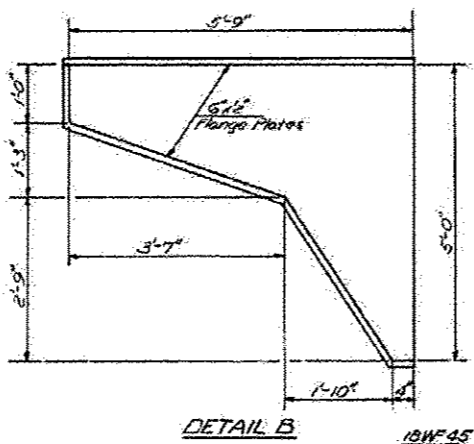
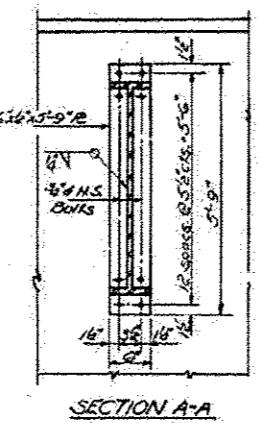
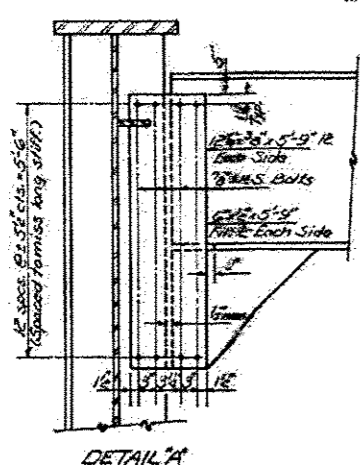
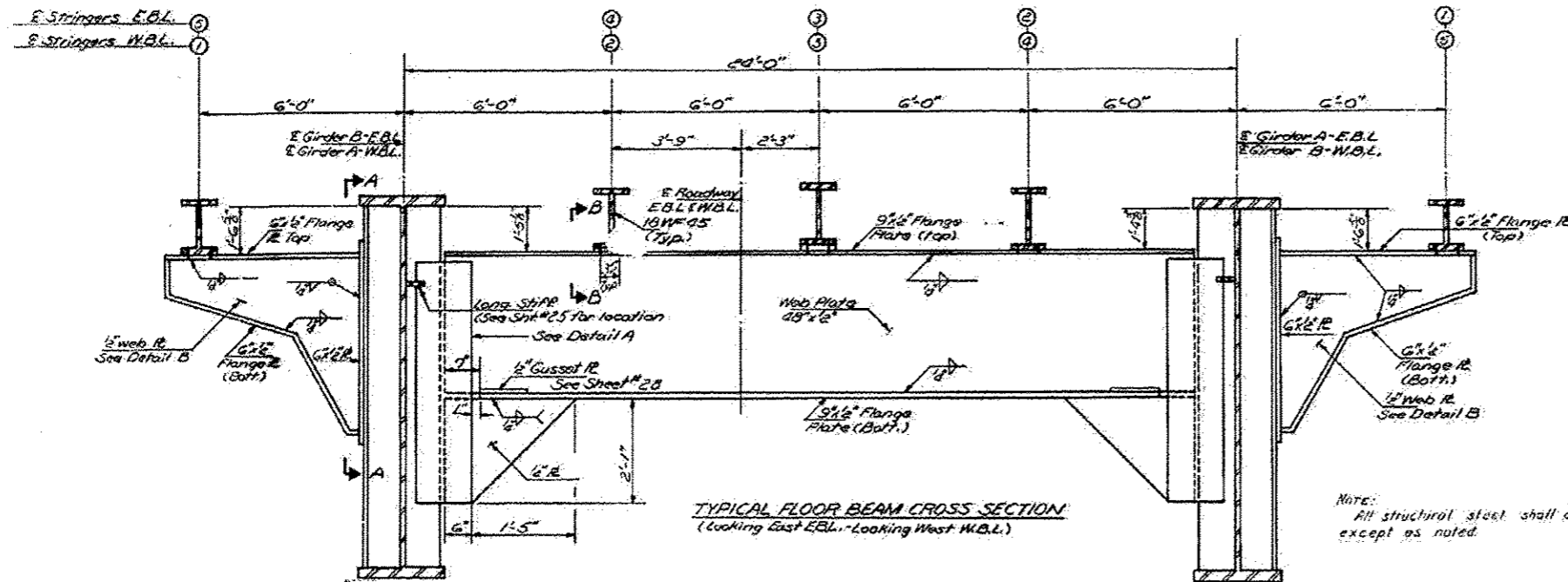
SHEET NO. 2 OF 28 SHEETS

ILLINOISIFIED AND PROJECT

FOR INFORMATION ONLY - NOT TO SCALE

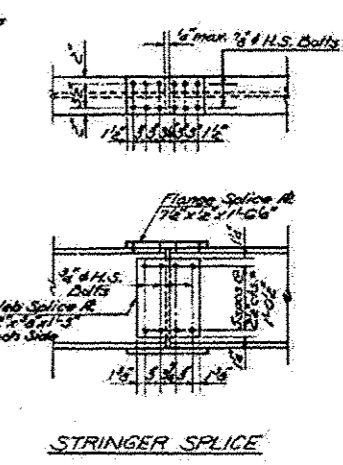
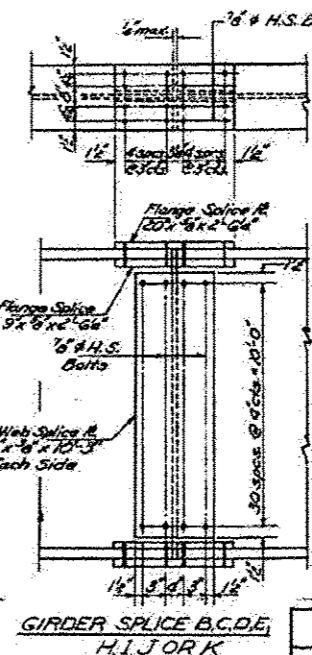
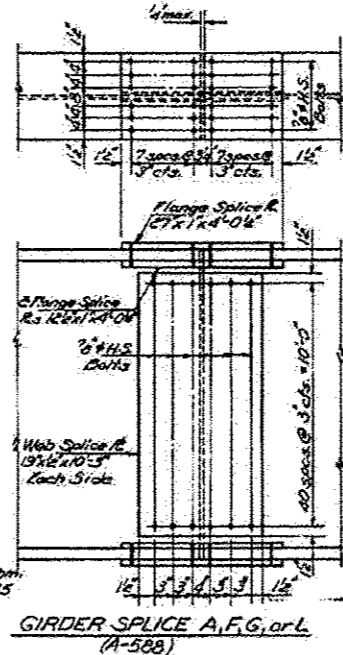
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SHEET NO. 26	
118 SHEETS	
DATE	SECTION
1-1-74	172-9015B31-3
DESIGNED BY	COUNTY
PEORIA	TAZEWELL
TOTAL SHEETS	93
CONTRACT NO.	68800



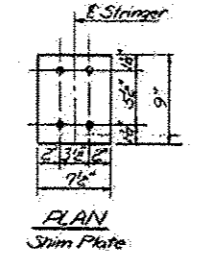
1\"/>

EBL Stringer	5	3	2	1
WBL Stringer	1	3	4	5
	7	0	7	0



DESIGNED: *[Signature]*
 CHECKED: *[Signature]*
 DRAWN: A. Borja
 CHECKED: *[Signature]*

JUNE 23 1970
 JUN 23 1970
 JUN 23 1970



STRUCTURAL STEEL DETAILS
SPANS 1 THRU 8
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT. 474 SEC. (72-90) 5 F&E, D.P.
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED	SCS	REVISED
CHECKED	SEA	REVISED
DRAWN	SCS	REVISED
CHECKED	SEA	REVISED

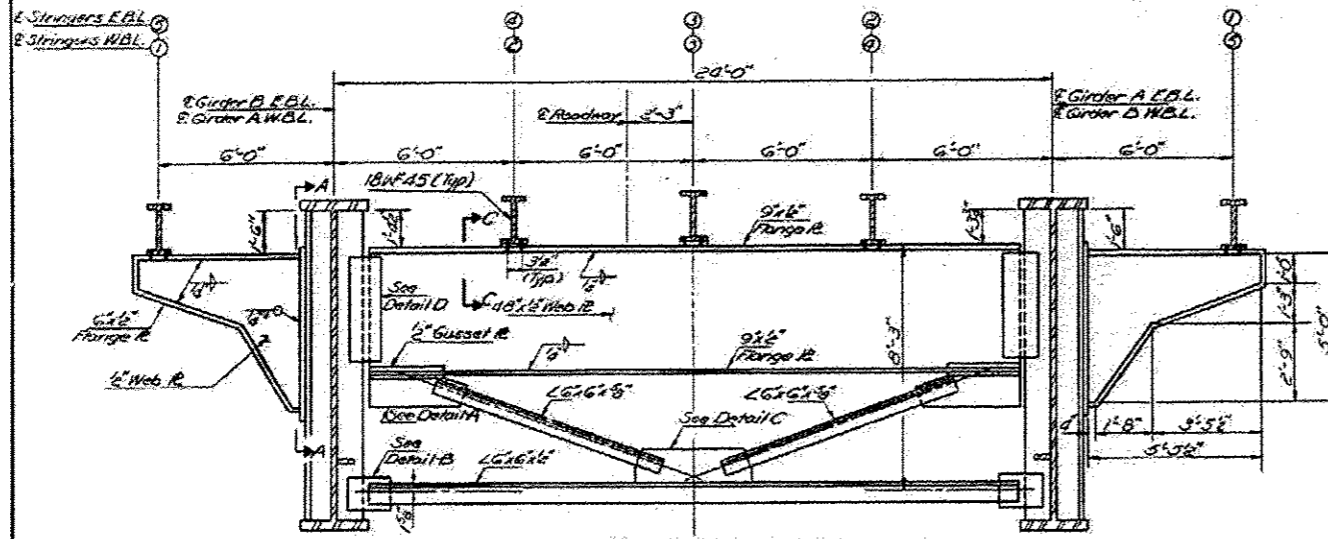
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 68800	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS

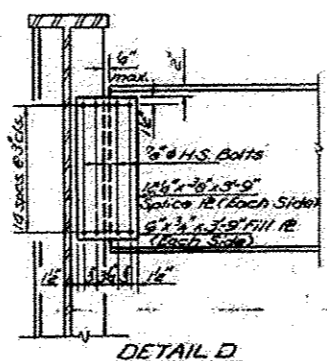
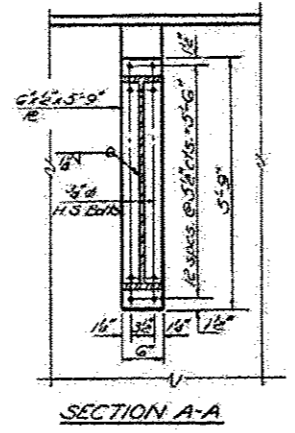
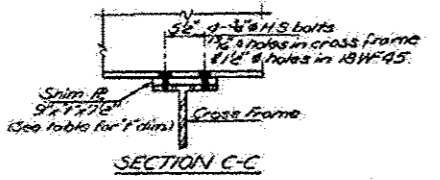
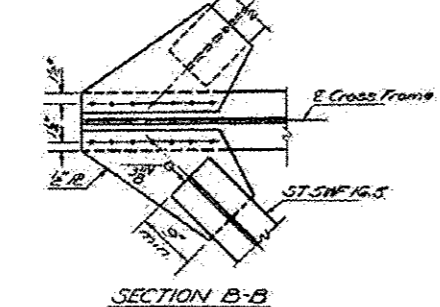
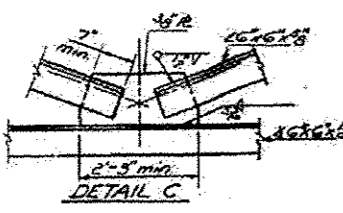
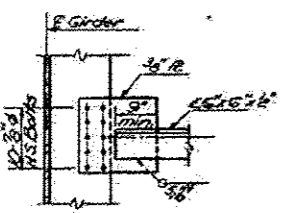
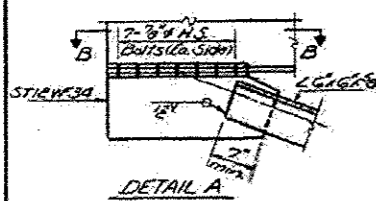
SHEET NO. 27		118 SHEETS	
DATE	SECTION	COUNTY	TOTAL SHEETS
F.A.I.	474	PEORIA	93
CONTRACT NO. 68800			



CROSS FRAME 2,3,4,7,8 or 9
Looking East E.B.L. - Looking West W.B.L.

TOP OF WEB ELEVATION
(Deck in Place)

W.B.L.	Girder	A	B	Girder	A	B
E.B.L.	Girder	A	B	Girder	A	B
E Pier 1	473.49	473.56	473.56	E Pier 2	492.10	492.17
E Splice A	473.49	473.56	473.56	E Splice G	492.95	492.02
E Brg. Pier 1	474.06	474.55	474.55	E Brg. Pier 5	492.09	492.16
E Splice B	474.63	476.10	476.10	E Splice H	498.56	498.63
E Splice C	479.30	479.45	479.45	E Splice I	500.51	500.58
E Brg. Pier 2	482.63	482.70	482.70	E Brg. Pier 6	501.33	501.40
E Splice D	481.88	481.95	481.95	E Splice J	502.14	502.21
E Splice E	484.50	484.57	484.57	E Splice K	503.70	503.77
E Brg. Pier 3	486.26	486.33	486.33	E Brg. Pier 7	504.52	504.59
E Splice F	487.62	487.69	487.69	E Splice L	505.16	505.23
E W.Brg. Pier 4	488.02	488.09	488.09	E W.Brg. Pier 8	506.97	507.04



4\"/>

GIRDER MOMENT TABLE

	Span 1, 4, 5 or 8	Pier 1, 3, 5 or 7, 5 Spans 2, 3 or 7, Pier 2 or 6	Pier 2 or 6
I (in ⁴)	468,909	698,733	248,629
R (in ³)	382	382	382
M _D (K)	10,000	16,870	3855
M _L (K)	5202	6620	3432
Imp. (K)	833	1060	549
M Total (K)	16035	24050	7536
R _s (ksi)	26.6	27.2	29.3

GIRDER REACTION TABLE

	W. Abut. Pier 1	Pier 2	Pier 3	Pier 4	Pier 5	Pier 6	Pier 7	Pier 8
R _D (K)	277	693	663	843	339	843	663	277
R _L (K)	137	299	271	299	266	299	271	137
Imp. (K)	22	48	43	48	42	48	43	22
R Total (K)	436	1190	977	1190	642	1190	977	436

* Does not include Truss reaction

DESIGNED: *[Signature]*
 CHECKED: *[Signature]*
 DRAWN: *[Signature]*
 CHECKED: *[Signature]*

EXAMINED: *[Signature]*
 PASSED: _____
 APPROVED: _____

Notes:
 See Sheet # 26 for Shim B plan.
 All Structural Steel shall conform to ASTM A-36 except as noted.

STRUCTURAL STEEL DETAILS
SPANS 1 THRU 8
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT. 474 SEC. (72-90) 5 F&E DP
PEORIA & TAZEWELL COUNTIES

1 SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WORKS

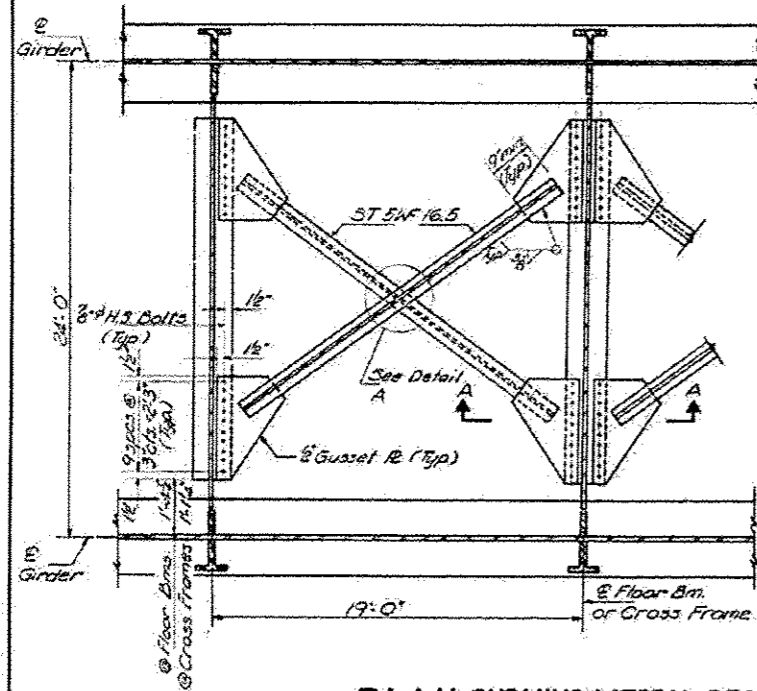
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.9015B)-3	PEORIA/TAZEWELL	93	60K
CONTRACT NO. 68800				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY - NOT TO SCALE

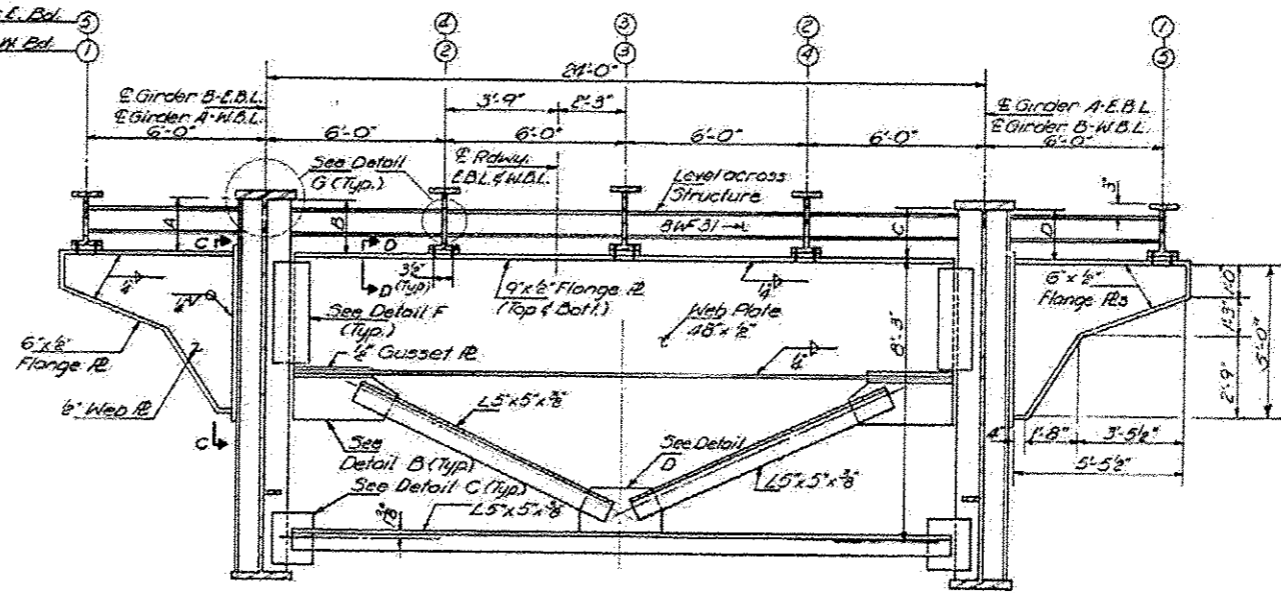
STATE OF ILLINOIS

DATE	REVISION	BY	TOTAL SHEETS	SHEET NO.
			104	20

18 SHEETS



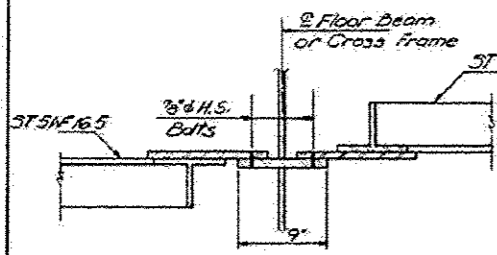
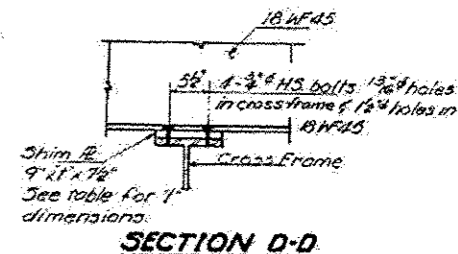
PLAN-SHOWING LATERAL BRACING
(Floor Bm Flange to gusset connection is typical @ Floor beams only)



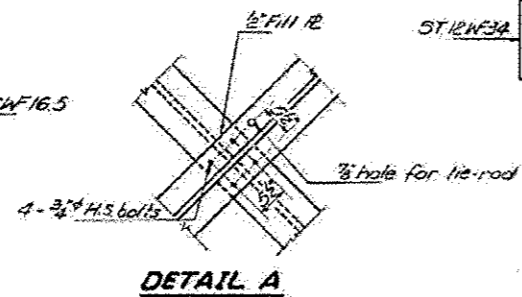
CROSS FRAME 1, 3, 6 or 10
Looking East E.B.L. - Looking West W.B.L.

TABLE OF DIMENSIONS

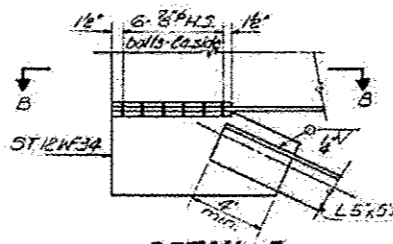
Cross Frame	A	B	C
1	1'-6 1/2"	1'-5 1/8"	1'-4 1/2"
3	1'-6"	1'-4 1/2"	1'-3 1/2"
6	1'-6"	1'-4 1/2"	1'-3 1/2"
10	1'-6"	1'-4 1/2"	1'-3 1/2"



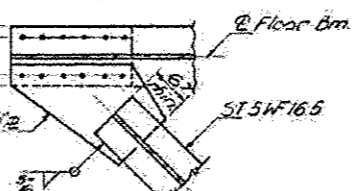
SECTION A-A



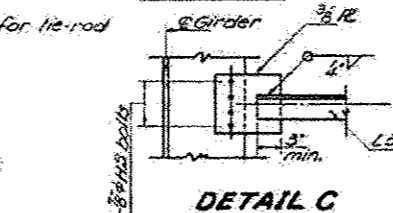
DETAIL A



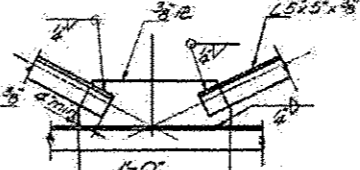
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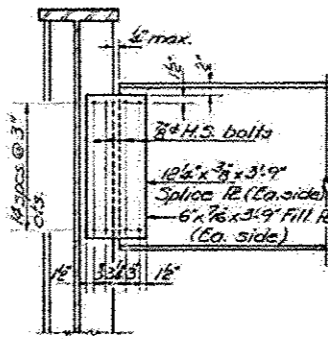
SECTION B-B



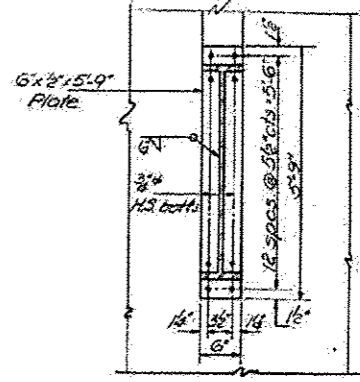
DETAIL C



DETAIL D



DETAIL F



SECTION C-C

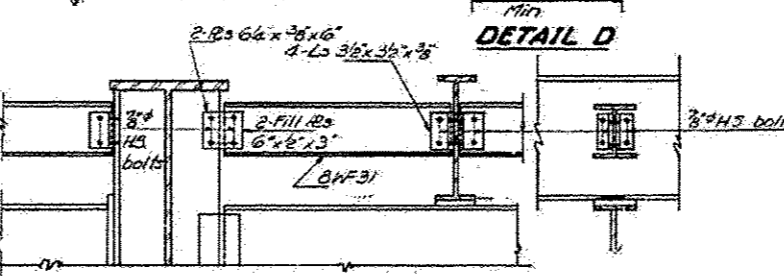
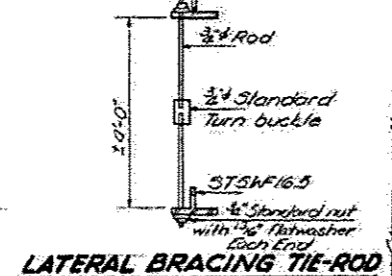
1" DIMENSIONS

	1	2	3	4	5
E.B.L. Stringer	5	4	3	2	1
W.B.L. Stringer	1	2	3	4	5
C.F. 1	3"	12"	2"	3"	3"
C.F. 5, 6 or 10	0"	3"	13"	0"	0"

Notes:
See Sheet 20 for Shim R Plan.
All Structural Steel shall conform to ASTM A-36 except as noted.

DESIGNED: J. M. ...
CHECKED: J. M. ...
DRAWN: A. Borrozo ...
CHECKED: B.

EXAMINED: J. M. ...
PASSED: ...
APPROVED: ...



DETAIL G

STRUCTURAL STEEL DETAILS
SPANS 1 THRU 8
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT 474 SEC. (72-90) 5 F&E, D, P
PEORIA & TAZEWELL COUNTIES

1 SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

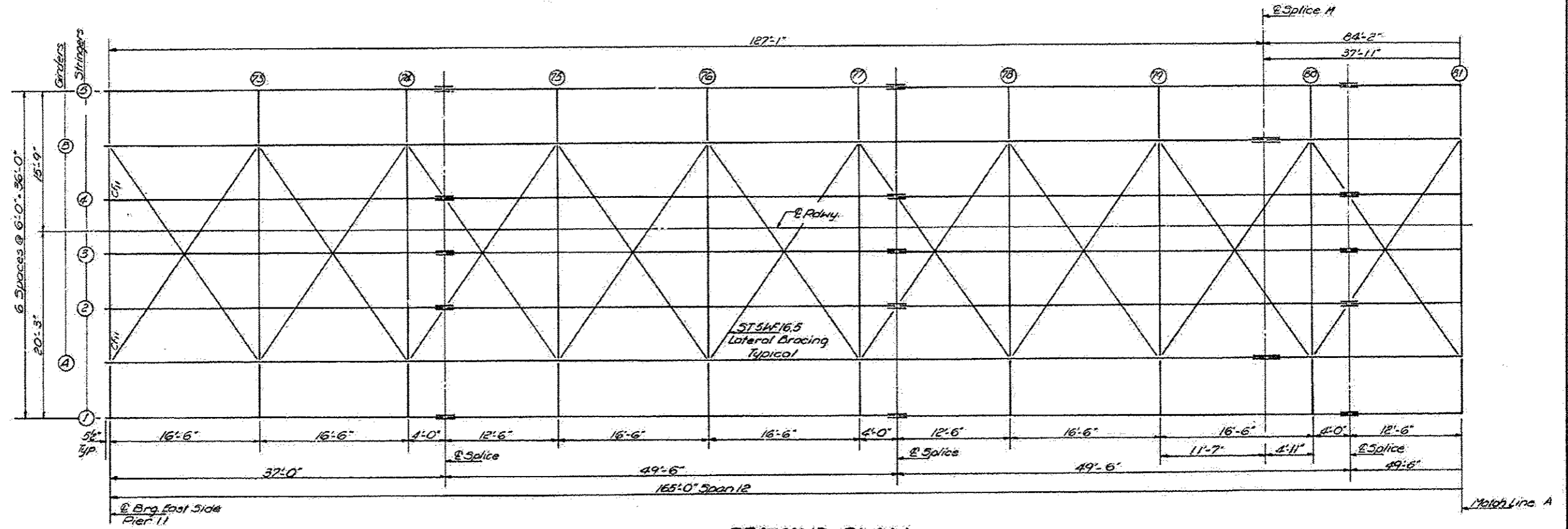
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(172,90)5B]-3	PEORIA/TAZEWELL	93	60L

CONTRACT NO. 68B00
ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS

PROJECT NO.	DATE	PROJECT	TOTAL SHEETS	SHEET NO.	SHEET NO.
474	7/19/70	PEORIA & TAZEWELL	104	52	118 SHEETS



FRAMING PLAN

DESIGNED	James M. Bickis	EXAMINED	June 23 1970
CHECKED	Tom Hilton	PASSED	
DRAWN	A. Barroza B	APPROVED	
CHECKED	916		

STRUCTURAL STEEL PLAN
EAST BD. LANES
ILL. RIVER BRIDGE AT CREVE COEUR
F&I RT. 474 SEC. (72-90) 5F&E, D, P
PEORIA & TAZEWELL COUNTIES

1 SHEET ADDED 10-20-16

DESIGNED	-	SCS	REVISED
CHECKED	-	SEA	REVISED
DRAWN	-	SCS	REVISED
CHECKED	-	SEA	REVISED

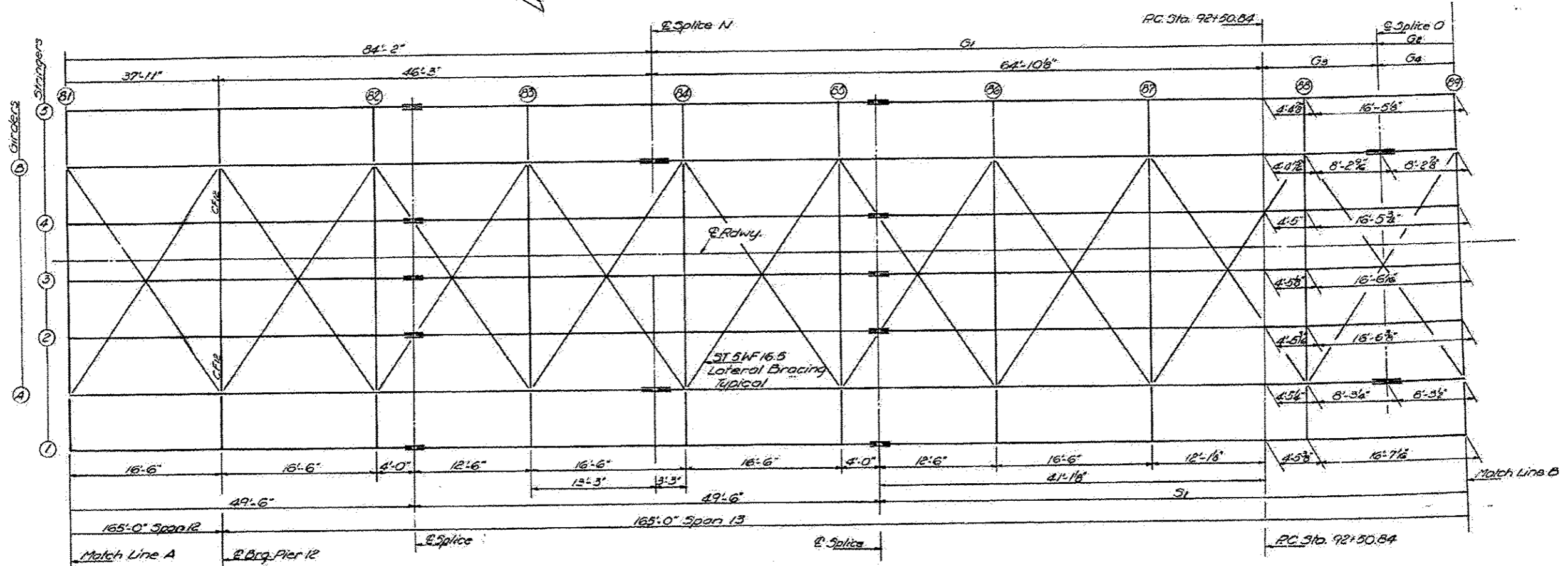
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS

F&I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72.90)58]-3	PEORIA/TAZEWELL	93	60M
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS

DATE	DESIGNED	CHECKED	DRAWN	APPROVED	SHEET NO. 63
10/20/16	JAMES M. BURKE	DAVID CHILTON	A. BORROZO B	DAVID THURMAN	118 SHEETS
PROJECT	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ILL. RIVER BRIDGE AT CREVE COEUR	(172,90)SBJ-3	PEORIA/TAZEWELL	93	60N	



FRAMING PLAN

Note: Span lengths are given along
E of Roadway
See Sheet #61 for S1 dimensions

GIRDER LENGTHS

	G1	G2	G3	G4	Radius
A	77'-6 3/4"	77'-10 1/4"	12'-8 1/2"	41'-4 1/2"	3715.43'
B	77'-5 3/4"	77'-8 3/4"	12'-7 1/2"	41'-1 1/2"	3691.43'

DESIGNED	James M. Burke	EXAMINED	David Thurman
CHECKED	David Chilton	PASSED	
DRAWN	A. Borrozo B	APPROVED	
CHECKED	DJB		

STRUCTURAL STEEL PLAN
EAST BD. LANES
ILL. RIVER BRIDGE AT CREVE COEUR
FA.I. RT. 474 SEC. (72-90) 5 F&E, D.P
PEORIA & TAZEWELL COUNTIES

1 SHEET ADDED 10-20-16

DESIGNED	- SCS	REVISED	
CHECKED	- SEA	REVISED	
DRAWN	- SCS	REVISED	
CHECKED	- SEA	REVISED	

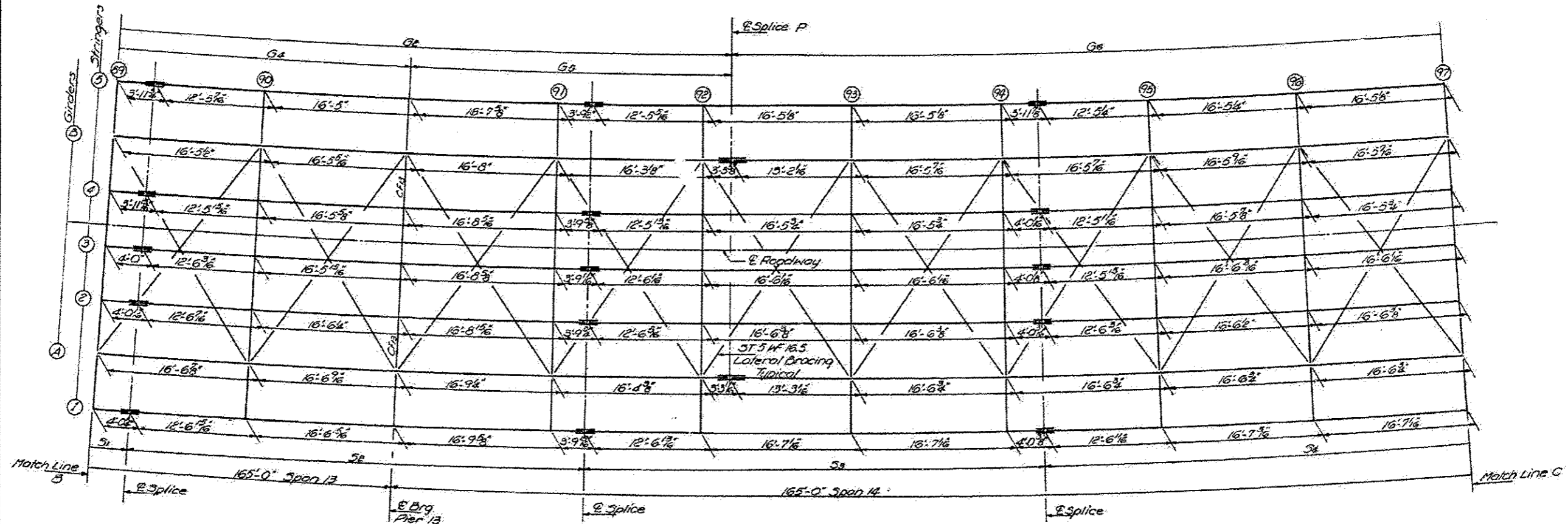
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172,90)SBJ-3	PEORIA/TAZEWELL	93	60N
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS

SHEET NO. 64	118 SHEETS
DATE: 10/20/16	DESIGNER: PEORIA TAZEWELL
PROJECT: ILL. RIVER BRIDGE AT CREVE COEUR	SECTION: (172.9015B1)-3
DRAWN: A. BORRERO	COUNTY: PEORIA & TAZEWELL
CHECKED: J. H. C.	CONTRACT NO. 68B00



FRAMING PLAN

Note: Span lengths are given along E of Roadway.

GIRDER LENGTHS

	G1	G2	G3	G4	Radius
A	77'-10 1/4"	41'-4 3/8"	36'-5 7/8"	98'-4 1/16"	3715.43'
D	77'-4 3/8"	41'-1 1/8"	36'-2 1/2"	97'-0 1/16"	3691.43'

STRINGER LENGTHS

	S1	S2	S3	S4	Radius
1	66'-11 1/8"	49'-9 1/8"	49'-9 3/8"	49'-9 3/8"	3721.43'
2	66'-0 3/8"	49'-7 3/8"	49'-7 1/4"	49'-7 1/4"	3709.43'
3	66'-0 3/8"	49'-6 1/8"	49'-6 3/8"	49'-6 3/8"	3703.43'
4	65'-11 1/8"	49'-5 1/8"	49'-5 3/8"	49'-5 3/8"	3697.43'
5	65'-10 3/8"	49'-3 3/8"	49'-3 3/8"	49'-3 3/8"	3685.43'

DESIGNED: James M. Becker
 CHECKED: [Signature]
 DRAWN: A. Borrero
 CHECKED: [Signature]

JUNE 23 1870
 EXAMINED: [Signature]
 APPROVED: [Signature]

STRUCTURAL STEEL PLAN
 EAST BD. LANES
 ILL. RIVER BRIDGE AT CREVE COEUR
 I.A.I. RT. 474 SEC. (172.9015B1)-3
 PEORIA & TAZEWELL COUNTIES

↑ SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

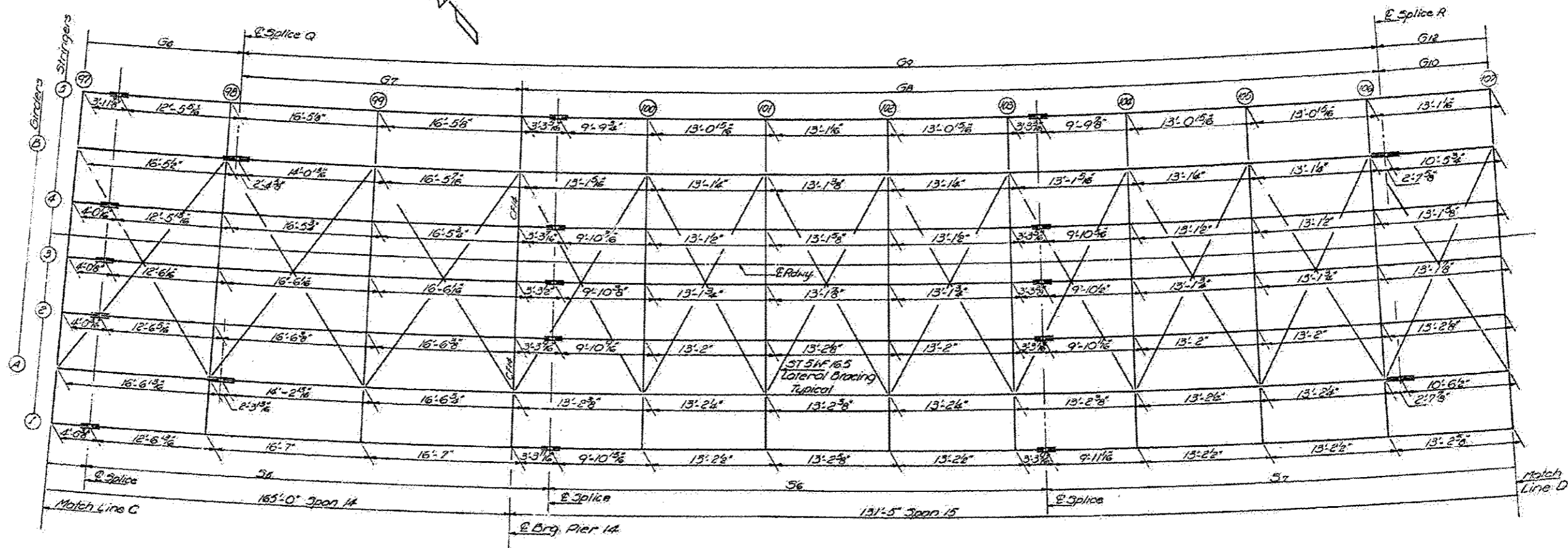
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.9015B1)-3	PEORIA/TAZEWELL	93	60P
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY – NOT TO SCALE

STATE OF ILLINOIS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-1-474	170-150	PEORIA TAZEWELL	108	55
1/15 SHEETS				



FRAMING PLAN

Note: Span lengths are given along E. of Rdwy.

GIRDER LENGTHS

	G6	G7	G8	G9	G10	G12	Radius
A	98'-4 1/8"	30'-5 1/8"	98'-0"	123'-9 1/8"	96'-1 1/8"	58'-1 1/8"	3715.43
B	97'-10 1/8"	30'-6 1/8"	98'-4 1/8"	124'-10 1/8"	98'-8 1/8"	58'-7 1/8"	3691.43

STRINGER LENGTHS

	S4	S5	S6	S7	Radius
1	49'-0 3/8"	49'-0 1/8"	52'-0 1/8"	49'-0 1/8"	3721.43
2	49'-7 1/8"	49'-0 1/8"	52'-0 1/8"	49'-0 1/8"	3707.43
3	49'-6 3/8"	49'-0 1/8"	52'-0 1/8"	49'-0 1/8"	3703.43
4	49'-3 1/8"	49'-0 1/8"	52'-0 1/8"	49'-0 1/8"	3697.43
5	49'-3 1/8"	49'-6 1/8"	52'-3 1/8"	52'-4"	3685.43

DESIGNED: <i>James M. Beckel</i>	EXAMINED: <i>June 23 1970</i>
CHECKED: <i>Paul Miller</i>	PASSED: _____
DRAWN: <i>A. Barrozo</i>	APPROVED: _____
CHECKED: <i>GLC</i>	_____

STRUCTURAL STEEL PLAN
EAST BD. LANES
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT. 474 SEC. (72-90) 5 F.F.E., D.P.
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

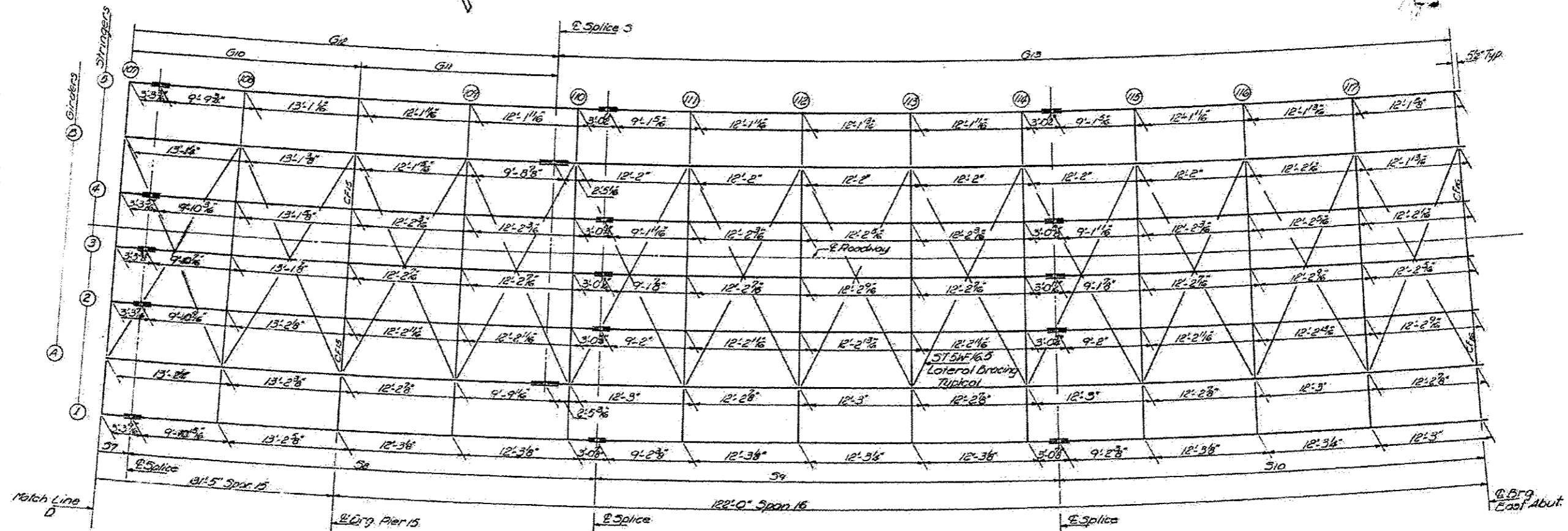
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474	[(72.901581)-3	PEORIA/TAZEWELL	93	600
CONTRACT NO. 68900				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY – NOT TO SCALE

STATE OF ILLINOIS

DATE	BY	REVISION	TOTAL SHEETS	SHEET NO.
10/20/16	SEA	ADDED	104	56

SHEET NO. 66
118 SHEETS



FRAMING PLAN

Note: Span lengths are given along E of Rdwy.

GIRDER LENGTHS

	G10	G11	G12	G13	Radius
A	36'-11 1/2"	22'-0 1/2"	58'-1 1/2"	100'-4 1/2"	3715.43'
B	36'-6 3/8"	21'-10 1/2"	58'-7 1/2"	99'-8 1/2"	3671.43'

STRINGER LENGTHS

	S7	S8	S9	S10	Radius
1	58'-10 1/2"	50'-8 1/2"	29'-0 1/2"	45'-1 1/2"	3721.43'
2	58'-8 1/2"	50'-6 1/2"	28'-10 1/2"	45'-10 1/2"	3709.43'
3	58'-7 1/2"	50'-5 1/2"	28'-10 1/2"	45'-9 1/2"	3703.43'
4	58'-5 1/2"	50'-3 1/2"	28'-9 1/2"	45'-8 1/2"	3697.43'
5	58'-4 1/2"	50'-2 1/2"	28'-7 1/2"	45'-6 1/2"	3655.43'

DESIGNED: James M. Barkas
 CHECKED: Paul Miller
 DRAWN: A. Barroza
 CHECKED: Dell

JUNE 23 1970

APPROVED: _____
 DATE: _____

STRUCTURAL STEEL PLAN
EAST BD. LANES
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.T. RT. 474 SEC. (72-90) 5F&E, D, P
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WORKS

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	((172,9015B))1-3	PEORIA/TAZEWELL	93	60R

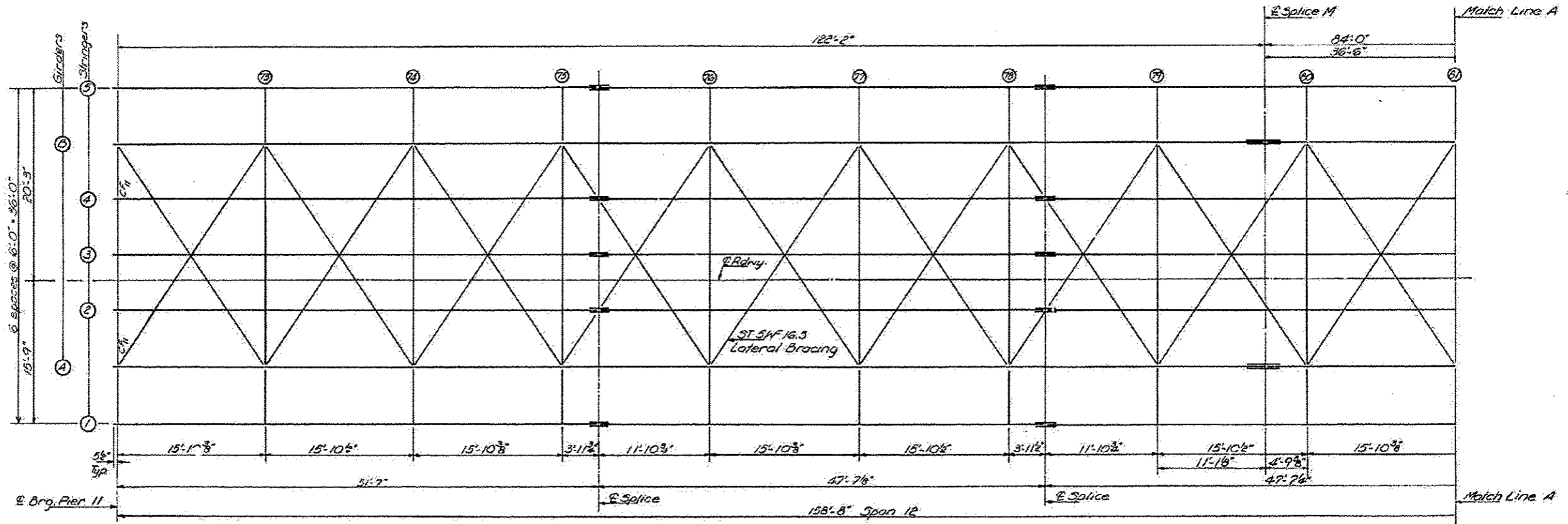
CONTRACT NO. 68B00
ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]1-3	PEORIA/TAZEWELL	93	605

SHEET NO. 67
118 SHEETS



FRAMING PLAN

DESIGNED	<i>James M. Barker</i>	EXAMINED	<i>[Signature]</i>
CHECKED	<i>[Signature]</i>	PASSED	
DRAWN	<i>A. Barrozo</i>	APPROVED	
CHECKED	<i>[Signature]</i>		

JUNE 23 1970

STRUCTURAL STEEL PLAN
WEST B.D. LANES
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT. 474 SEC. (72-90) 5 F&E, D, P
PEORIA & TAZEWELL COUNTIES

1 SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

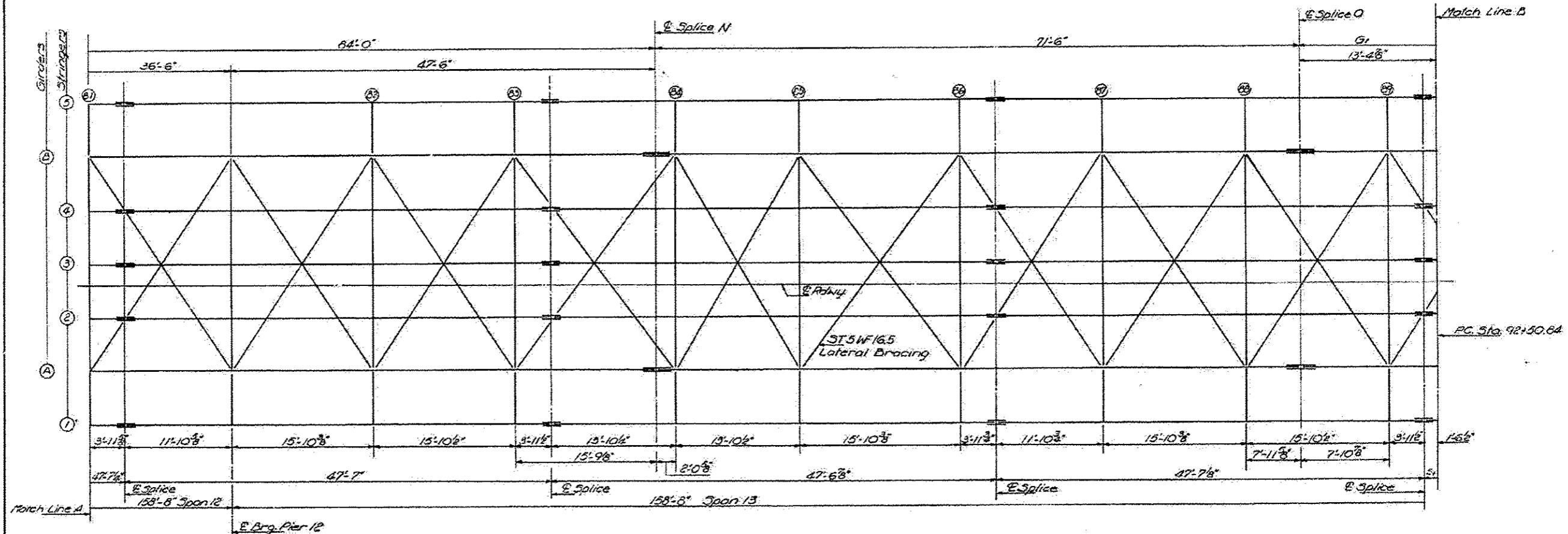
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]1-3	PEORIA/TAZEWELL	93	605
CONTRACT NO. 68800				

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS

DATE	BY	CHKD	APP'D	SHEET NO.
10/24/92	AMM	AMM	AMM	68
TOTAL SHEETS				118



FRAMING PLAN
Note: See Sheet #67 For G & S.

DESIGNED	James M. Barber	EXAMINED	John S. Hummer
CHECKED	Steve Chilton	PASSED	
DRAWN	A. Barroza	APPROVED	
CHECKED	CS		

STRUCTURAL STEEL PLAN
WEST BD. LANES
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RX 474 SEC. (72-90) 3 F&E.D.P.
PEORIA & TAZEWELL COUNTIES

1 SHEET ADDED 10-20-16

DESIGNED	- SCS	REVISED	
CHECKED	- SEA	REVISED	
DRAWN	- SCS	REVISED	
CHECKED	- SEA	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

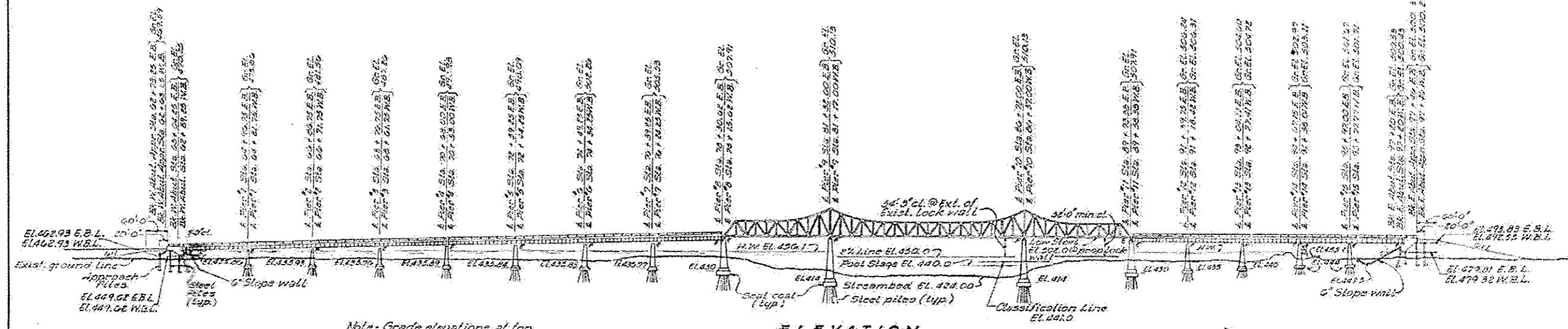
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.9015B1)-3	PEORIA/TAZEWELL	93	601
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY - NOT TO SCALE

S.M. Iron rod in concrete 1 1/2" dia. Sta. 92+63 - Elev. 455.44; 12" dia. Sta. 99+40 U.S.B.M. No. 1577-R concrete - Elev. 448.135 (1922); U.S.C.S. Florida lock and dam on conc. wall of dam by upper gate, directed "X" on SW corner of base of first check pool South of gate. Elev. 444.99. No existing structure.

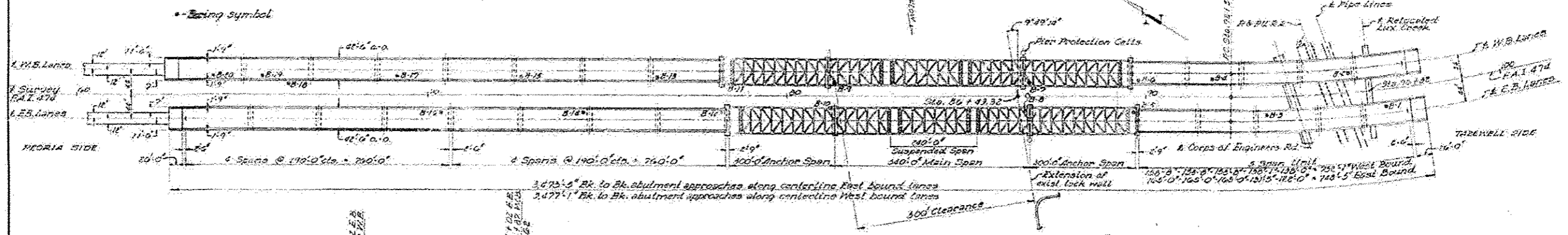
STATE OF ILLINOIS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-474	(72,905B)-3	PEORIA/TAZEWELL	104	3
118 SHEETS				

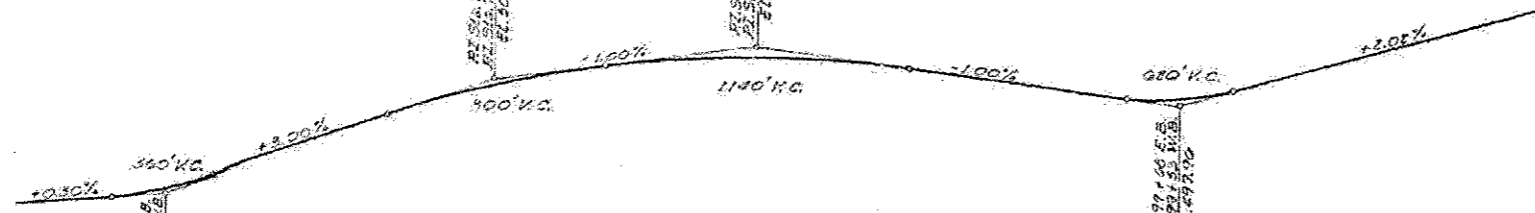


Note - Grade elevations at top of deck surfacing

ELEVATION



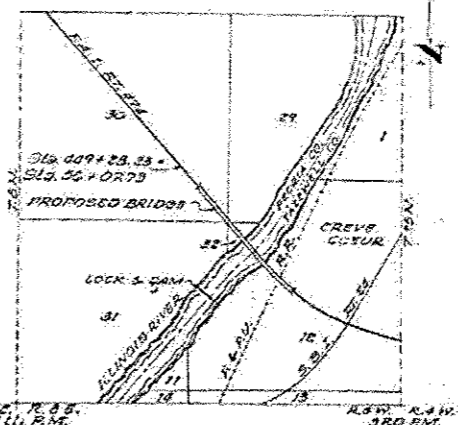
PLAN



PROPOSED BRIDGE PROFILE - F.A.I. RT. 474

6 SURVEY CURVE DATA

1	49° 38' 11"
2	1° 54'
3	3037.70'
4	1092.85'
5	3176.52'
6	373.27'
7	109 + 46.69
8	92 + 50.84
9	124 + 23.38



LOCATION PLAN

DESIGNED	<i>Paul Stone</i>	DATE	June 23, 1971
CHECKED	<i>John Vancian</i>		
DRAWN	<i>J. Mullen</i>		
CHECKED			

DESIGN STRESSES				
Structural Steel	A-36	A-441	A-588	
Thickness	ALL	3/8" Under	Over 3/8" to 1 1/2"	Over 1 1/2" to 8"
Axial Tension	20,000 psi	23,000 psi	25,000 psi	27,000 psi
Axial Compression	14,000 - 30% ² psi	15,000 - 50% ² psi	16,000 - 57% ² psi	18,000 - 55% ² psi
Reinforcement Bars	f _s = 20,000 psi			
Concrete	f _c = 1,400 psi (Sub)			
Concrete	f _c = 1,200 psi (Super)			

LOADING HS20 & ALT.

GENERAL PLAN & ELEVATION
PROJECT I-474-7()
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT. 474 SEC. (72-90) 3D, F&P
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED	- SCS	REVISED	
CHECKED	- SEA	REVISED	
DRAWN	- SCS	REVISED	
CHECKED	- SEA	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

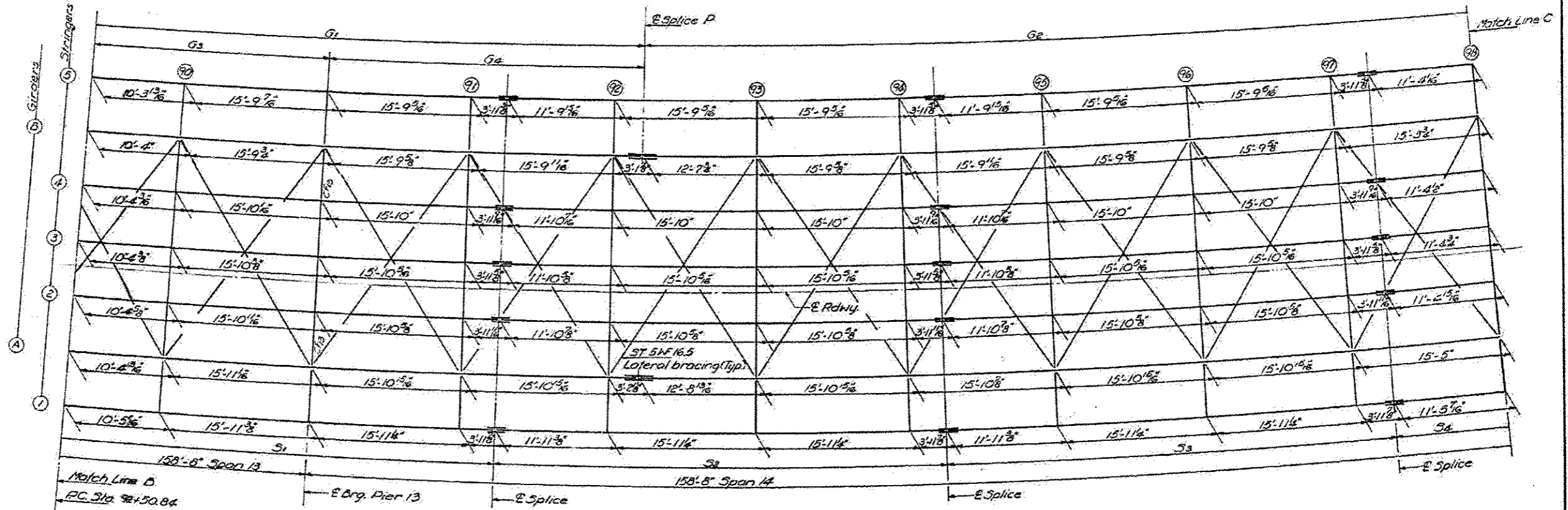
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	((72,905B))-3	PEORIA/TAZEWELL	93	60A
CONTRACT NO. 68800				
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS

PROJECT NO.	DATE	CONTRACT	TOTAL SHEETS	SHEET NO.
F.A.I. RT. 474	PEORIA	572-90	104	59

SHEET NO. 69
1/8 SHEETS



FRAMING PLAN

Note: See Sheet #70 for S₄
Span lengths given along E Rdwy.

GIRDER LENGTHS

Girder	G ₁	G ₂	G ₃	G ₄	Radius
A	74'8"	94'4"	86'3"	35'0"	3622.93'
B	74'5"	93'9"	86'1"	34'9"	3592.93'

STRINGER LENGTHS

Stringer No.	S ₁	S ₂	S ₃	Radius
1	47'10"	47'9"	47'9"	3622.93'
2	47'8"	47'7"	47'7"	3616.93'
3	47'7"	47'6"	47'6"	3610.93'
4	47'6"	47'6"	47'6"	3604.93'
5	47'4"	47'3"	47'3"	3592.93'

DESIGNED: James M. Binkin
 CHECKED: [Signature]
 DRAWN: A. Barroza B.
 CHECKED: [Signature]

JUNE 23 1970

DESIGNED: [Signature]
 CHECKED: [Signature]
 DRAWN: [Signature]
 APPROVED: [Signature]

STRUCTURAL STEEL PLAN
WEST B.D. LANES
 ILL. RIVER BRIDGE AT CREVE COEUR
 F.A.I. RT. 474 SEC. (72-90) 5TH F.C. DP
 PEORIA & TAZEWELL COUNTIES

1 SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS

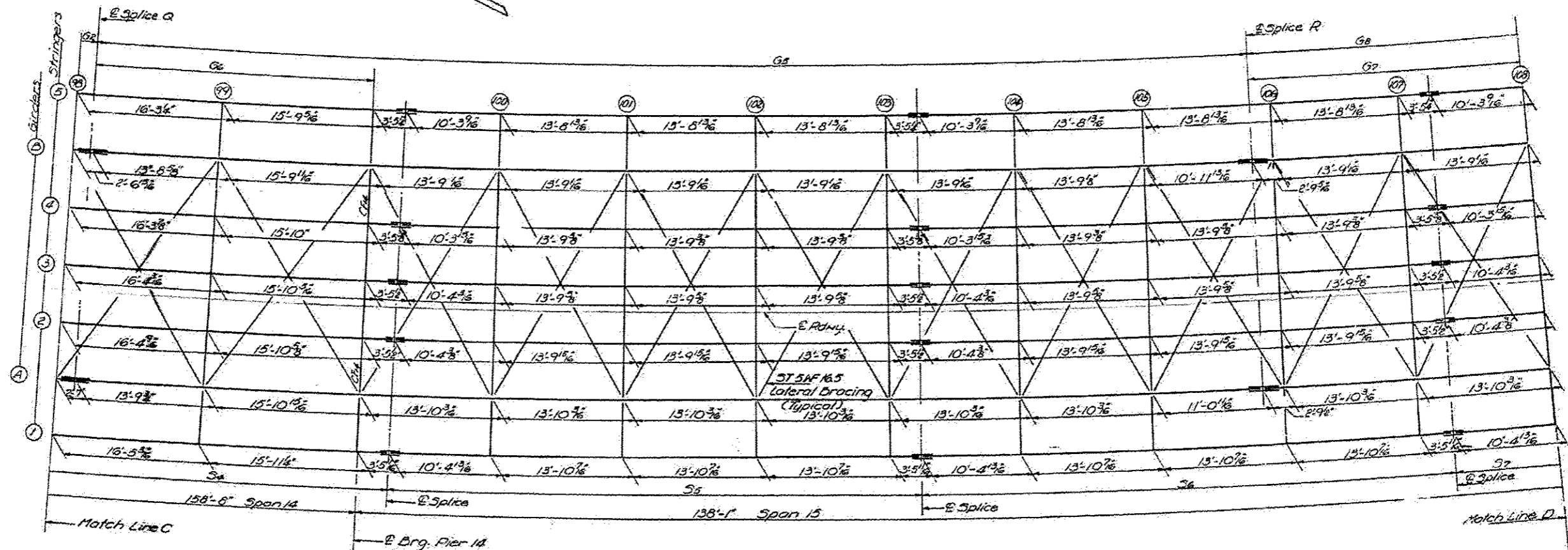
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172,90)5B)1-3	PEORIA/TAZEWELL	93	60U
CONTRACT NO. 68B00				

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS

SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(72,90)B11-3	PEORIA/TAZEWELL	93	60



FRAMING PLAN

Note: Span lengths are given along E of Rdwy.

GIRDER LENGTHS

	G5	G6	G7	G8	Radius
Girder A	123'-10 1/2"	29'-8 1/2"	44'-3 3/8"	76'-1 1/2"	3622.93'
Girder B	123'-0 1/2"	29'-6 3/4"	44'-0 1/2"	75'-7 1/2"	3598.93'

STRINGER LENGTHS

Stringer No.	S4	S5	S6	S7	Radius
1	47'-3 3/8"	55'-5 1/2"	55'-5 1/2"	55'-5 1/2"	3628.93'
2	47'-1 1/2"	55'-4 1/2"	55'-4 1/2"	55'-2 1/2"	3616.93'
3	47'-0 3/4"	55'-2 1/2"	55'-2 1/2"	55'-1 3/4"	3610.93'
4	46'-1 1/2"	55'-1 1/2"	55'-1 1/2"	55'-0 1/2"	3604.93'
5	46'-9 1/8"	54'-1 1/2"	54'-1 1/2"	54'-10 3/8"	3592.93'

DESIGNED: James M. Barber
 CHECKED: A. Darroza
 DRAWN: A. Darroza
 CHECKED: D. G. G.

JUNE 23 1970
 ENGINEER: [Signature]
 APPROVED: [Signature]

STRUCTURAL STEEL PLAN
 WEST B.D. LANES
 ILL. RIVER BRIDGE AT CREVE COEUR
 ILL. RT. 474 SEC. (72-90) 5 F&C, D.P.
 PEORIA & TAZEWELL COUNTIES

1 SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72,90)B11-3	PEORIA/TAZEWELL	93	60V
CONTRACT NO. 68800				

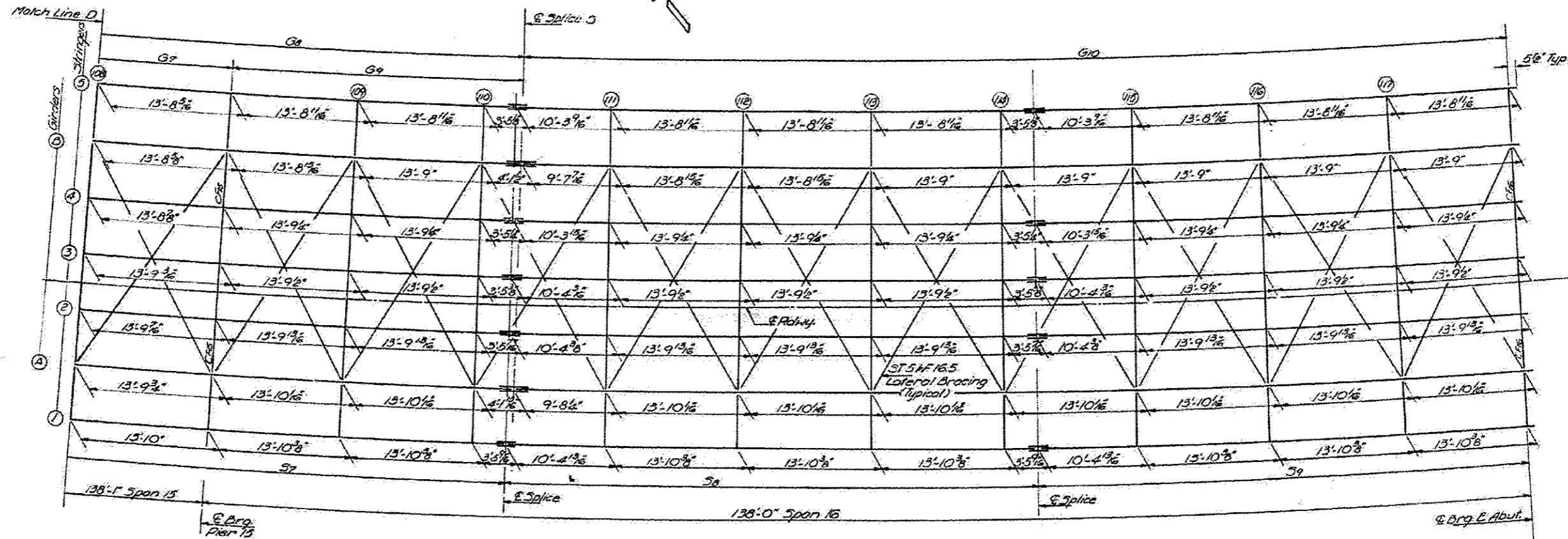
(ILLINOIS) FED. AID PROJECT

FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS

DATE	BY	REVISION	NO.	DATE
10/4	61			

SHEET NO. 71
118 SHEETS



FRAMING PLAN

Note: Span lengths are given along C. of Rdwy.

GIRDER LENGTHS

	G7	G8	G9	G10	Radius
Girder A	44'-3 3/8"	76'-1 1/2"	81'-9 1/2"	106'-6 1/2"	3622.93'
Girder B	44'-0 1/8"	75'-7 1/2"	81'-7 1/2"	105'-10 1/2"	3598.93'

STRINGER LENGTHS

Stringer No.	S7	S8	S9	Radius
1	55'-3 1/2"	55'-5 1/2"	51'-11 1/2"	3622.93'
2	55'-2 1/8"	55'-3 1/2"	51'-9 1/2"	3616.93'
3	55'-1 1/2"	55'-2 1/8"	51'-8 1/2"	3610.93'
4	55'-0 1/2"	55'-0 1/2"	51'-7 1/2"	3604.93'
5	54'-10 3/8"	54'-10 3/8"	51'-5 3/8"	3592.93'

DESIGNED: James M. Baskin
 CHECKED: Tom Dutton
 DRAWN: A. BORRERO JR.
 CHECKED: J. D. G.
 EXAMINED: [Signature]
 PASSED: [Signature]
 APPROVED: [Signature]
 DATE: JUNE 23, 1970

STRUCTURAL STEEL PLAN
 WEST BD. LANES
 ILL. RIVER BRIDGE AT CREVE COEUR
 FA.I. RT. 474 SEC. (72-90) SP. E, DP
 PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WORKS

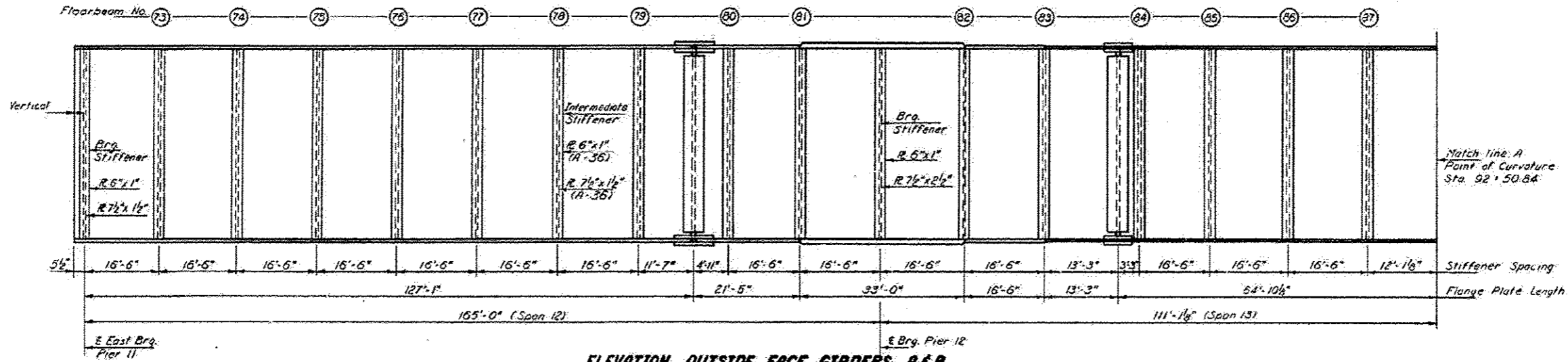
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.9015B)-3	PEORIA/TAZEWELL	93	60W
CONTRACT NO. 68800				

ILLINOIS FED. AID PROJECT

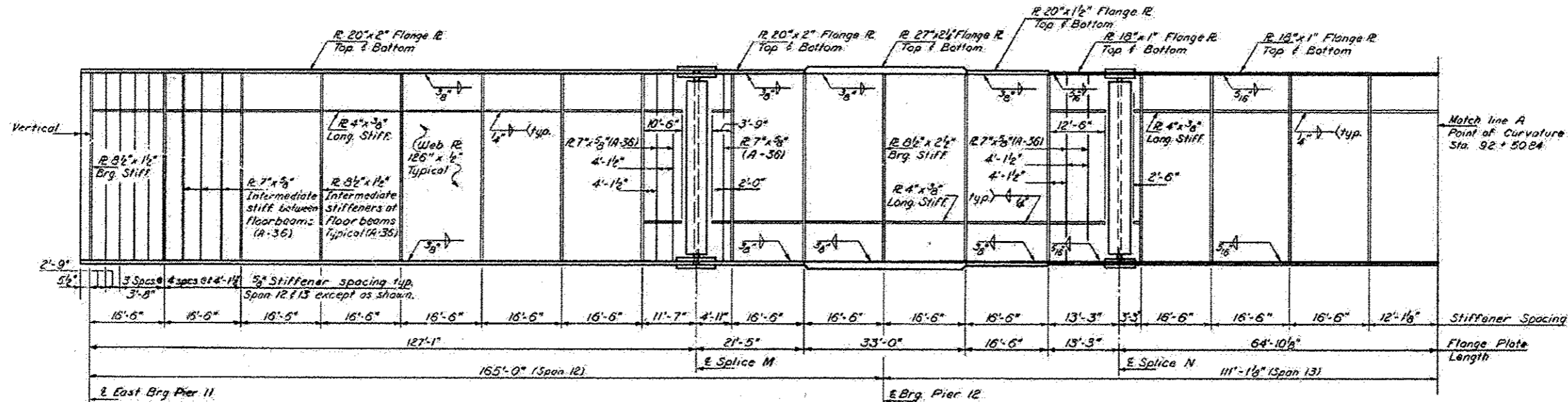
FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS

SHEET NO. 74	
118 SHEETS	



ELEVATION OUTSIDE FACE GIRDERS A/B



ELEVATION INSIDE FACE GIRDERS A/B

NOTES:
 All dimensions are given horizontal and along bottom flange.
 See sheet #85 for splice details.
 All stiffeners shall be perpendicular to flanges except as shown.
 See sheet #84 for stiffener details.
 All Structural Steel shall conform to ASTM A-588 except as noted.

DESIGNED <i>James M. Becker</i>	EMBEDDED <i>[Signature]</i>
CHECKED <i>[Signature]</i>	PRINTED
DRAWN <i>Ritchie</i>	APPROVED
CHECKED <i>[Signature]</i>	

GIRDER DETAIL
EAST BOUND LANES
ILL. RIVER BRIDGE AT CREVE COEUR
FAL RT. 474 SEC. (72-90) 5 F&D DP
PEORIA & TAZEWELL COUNTIES

SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

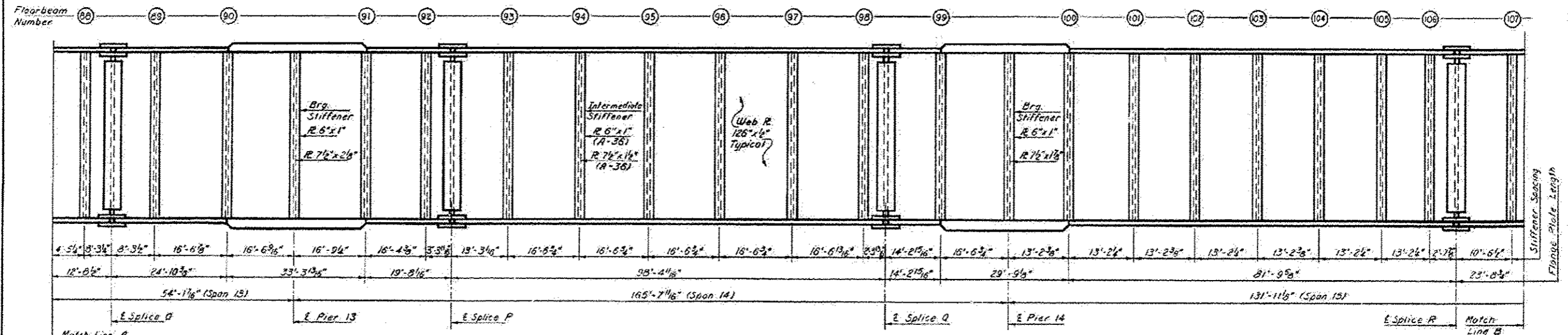
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.9015B1)-3	PEORIA/TAZEWELL	93	60X
CONTRACT NO. 68B00				

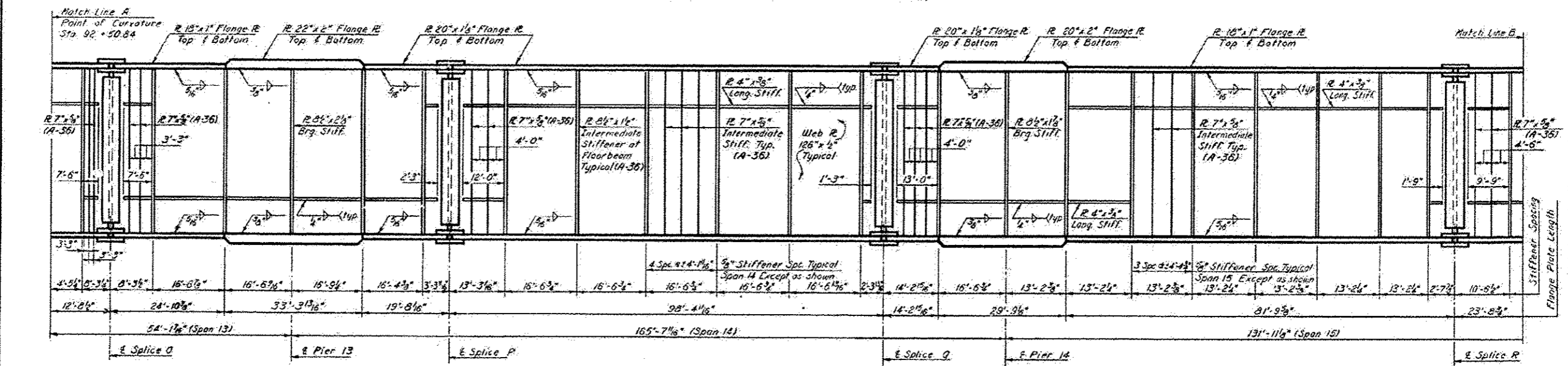
ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY – NOT TO SCALE

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-20-16	172	PEORIA	63	75
				118 SHEETS



ELEVATION OUTSIDE FACE GIRDER A



ELEVATION INSIDE FACE GIRDER A

NOTES:
 All dimensions are given horizontally and along the bottom flange.
 See sheet #85 for splice details.
 All stiffeners shall be perpendicular to flanges.
 See sheet #84 for stiffener details.
 All structural steel shall conform to ASTM A-588 except as noted.

DESIGNED: *James M. Barber*
 CHECKED: *Chris Chilton*
 DRAWN: *RITCHIE*
 CHECKED: *JLL*

JUNE 23 1970

EXAMINED: _____
 DATED: _____
 APPROVED: _____

GIRDER DETAILS
 EAST BOUND LANES
 ILL. RIVER BRIDGE AT CREVE COEUR
 F.A.I. RT. 474 SEC. (72-80) SFC. OF
 PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

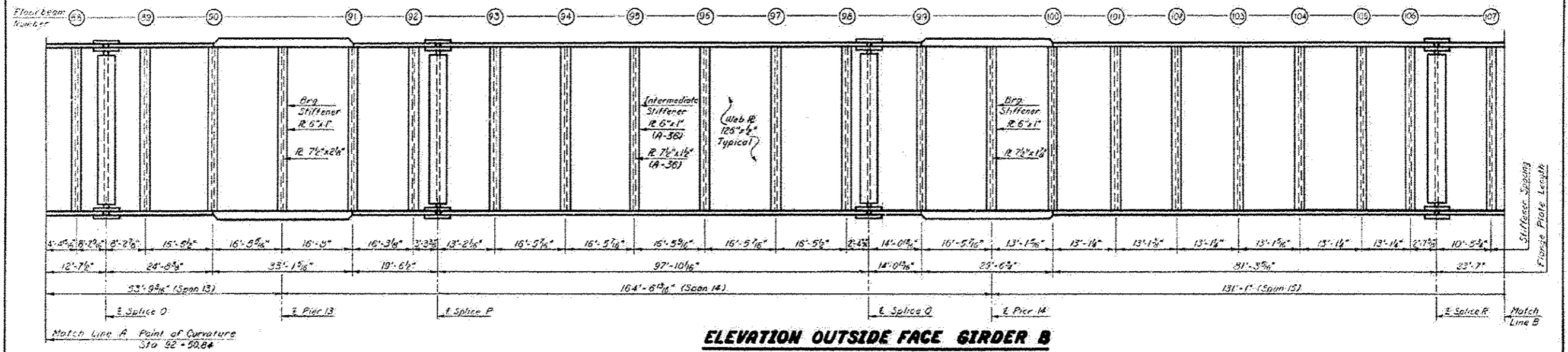
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172,90)S31-3	PEORIA/TAZEWELL	93	60Y
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

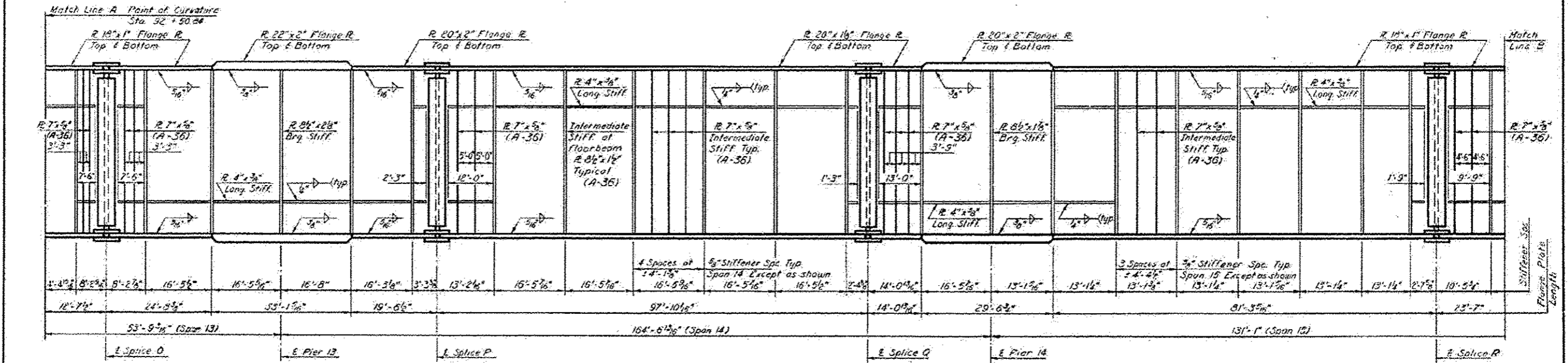
FOR INFORMATION ONLY – NOT TO SCALE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS

SHEET NO. 76		118 SHEETS	
DATE	BY	NO.	REV.
10/20/10	J.M.P.	10A	64



ELEVATION OUTSIDE FACE GIRDER B



ELEVATION INSIDE FACE GIRDER B

DESIGNED: James M. Busker	DATE: June 23, 1970
CHECKED: [Signature]	EXAMINED: [Signature]
DRAWN: [Signature]	APPROVED: [Signature]
CHECKED: [Signature]	

Notes:
 1. All dimensions are given horizontally, along bottom flange.
 2. See sheet #25 for splice details.
 3. All stiffeners shall be perpendicular to flanges.
 4. See sheet #84 for stiffener details.
 5. All structural steel shall conform to ASTM A-588, except as noted.

GIRDER DETAILS

EAST BOUND LANES

ILL. RIVER BRIDGE AT CREVE COEUR

E.I. RT. 474 SEC. (72-9015B) (D.P.)

PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

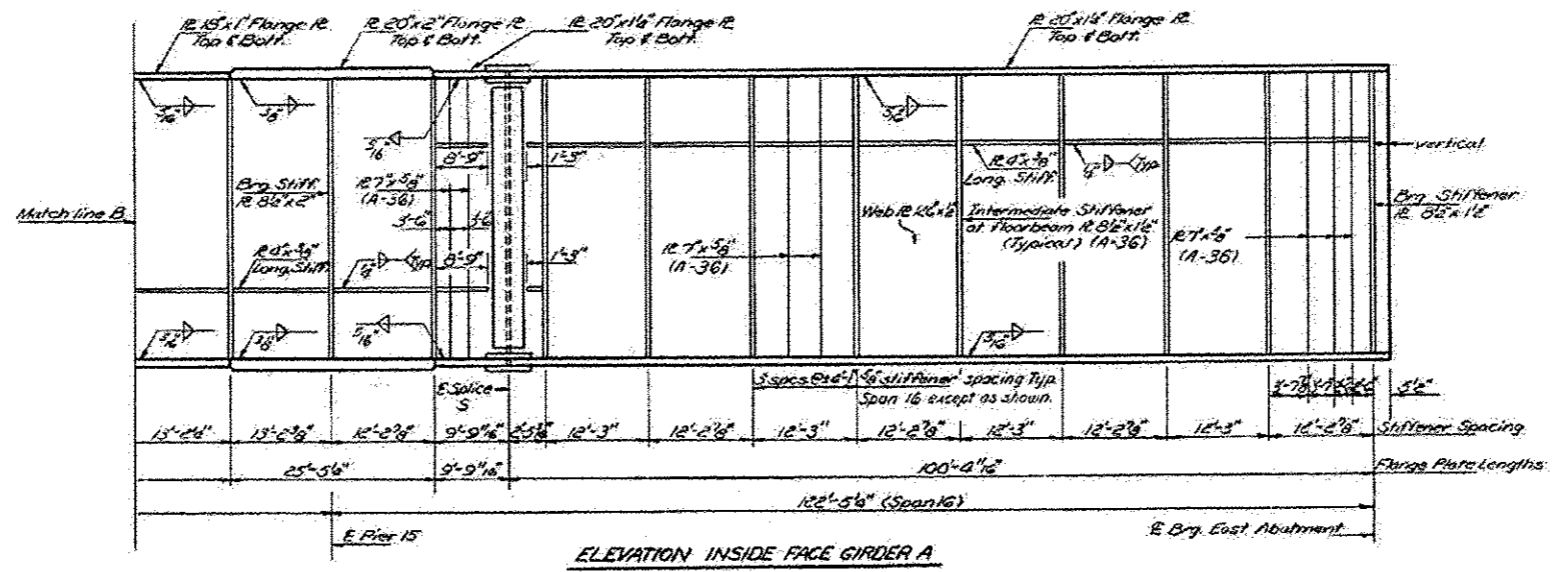
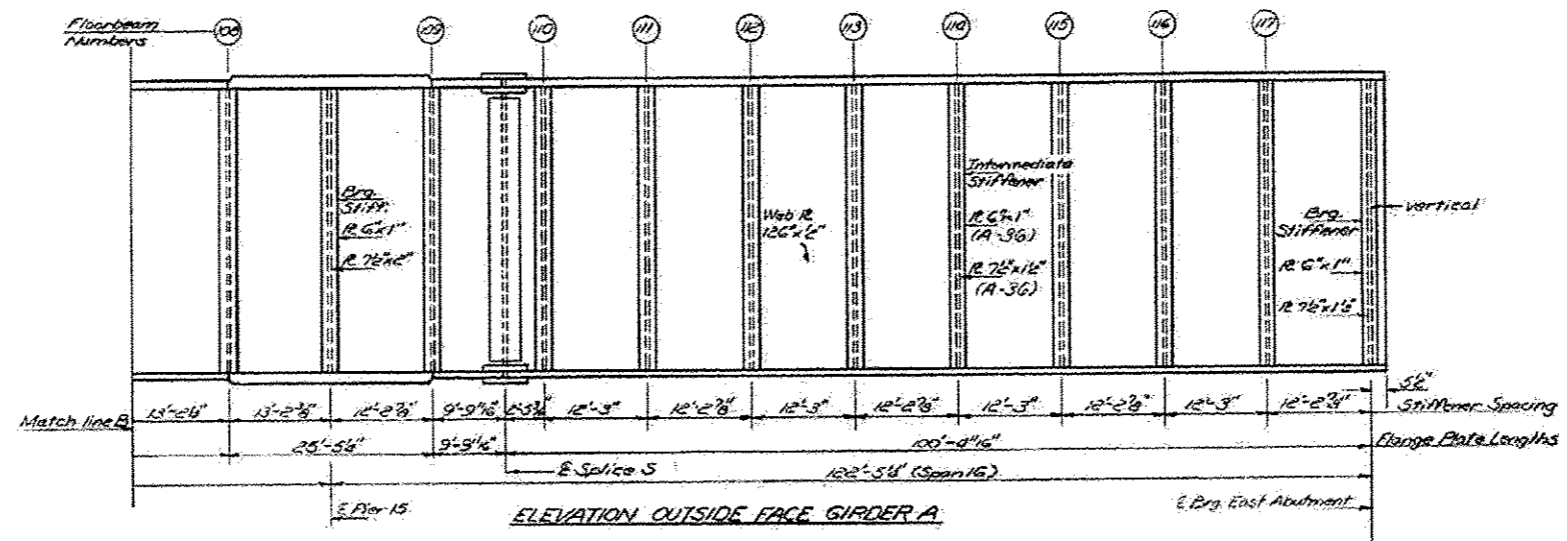
DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-9015B)-3	PEORIA/TAZEWELL	93	60Z
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY – NOT TO SCALE

SHEET NO. 77	
NO. OF SHEETS	118 SHEETS
DATE	77
DESIGNED BY	65



DESIGNED	<i>[Signature]</i>	DATE	JUNE 23 1970
CHECKED	<i>[Signature]</i>	EXAMINED	<i>[Signature]</i>
DRAWN	<i>[Signature]</i>	APPROVED	
CHECKED	<i>[Signature]</i>		

Notes:
 All dimensions are given horizontally along bottom flange.
 See Sheet #22 for splice details.
 All stiffeners shall be perpendicular to flanges except as shown.
 See Sheet #22 for stiffener details.
 All structural steel shall conform to ASTM A-588 except as noted.

GIRDER DETAILS
 SPANS 12 THRU 16' E.B.D. LANES
 ILL. RIVER BRIDGE AT CREVE COEUR
 ILL. RT. 474 SEC. (72-90) 5 F&E, D, P
 PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

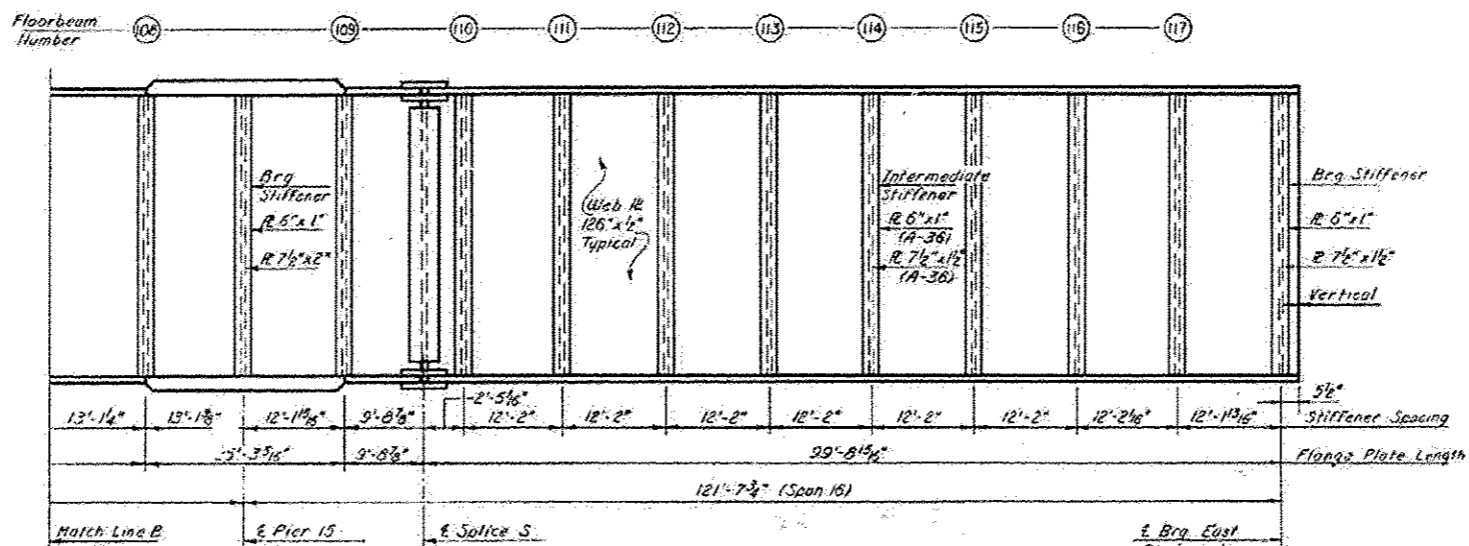
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WORKS**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72,90)5B]-3	PEORIA/TAZEWELL	93	60AA
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

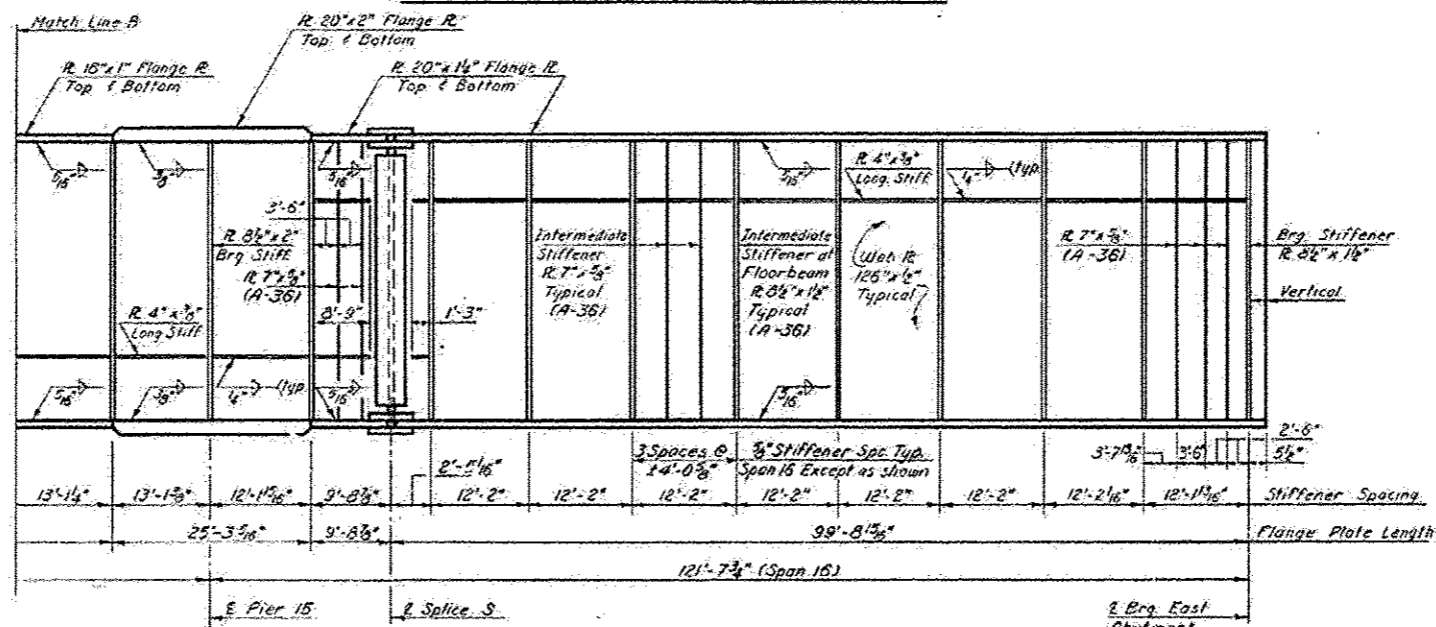
FOR INFORMATION ONLY – NOT TO SCALE

STATE OF ILLINOIS

SHEET NO. 78	
NO. OF SHEETS	118 SHEETS
NO. OF SHEETS USED	66
NO. OF SHEETS LEFT	52



ELEVATION OUTSIDE FACE GIRDER B



ELEVATION INSIDE FACE GIRDER B

NOTES:
 All dimensions are given horizontally along bottom flange.
 See sheet # 85 for splice details.
 All stiffeners shall be perpendicular to flanges except as shown.
 See sheet # 94 for stiffener details.

All structural steel shall conform to A.S.T.M. A-36 except as noted.

DESIGNED: <i>James M. Bush</i>	EXAMINED: <i>[Signature]</i>
CHECKED: <i>[Signature]</i>	BASED: <i>[Signature]</i>
DRAWN: <i>RITCHIE</i>	APPROVED: <i>[Signature]</i>
CHECKED: <i>[Signature]</i>	

June 23 1970

GIRDER DETAILS
 EAST BOUND LANES
 ILL. RIVER BRIDGE AT CREVE COEUR
 F.A.1. RT. 474 SEC. (72-90)5F&E,D/P
 PEORIA & TAZEWELL COUNTIES

SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WORKS

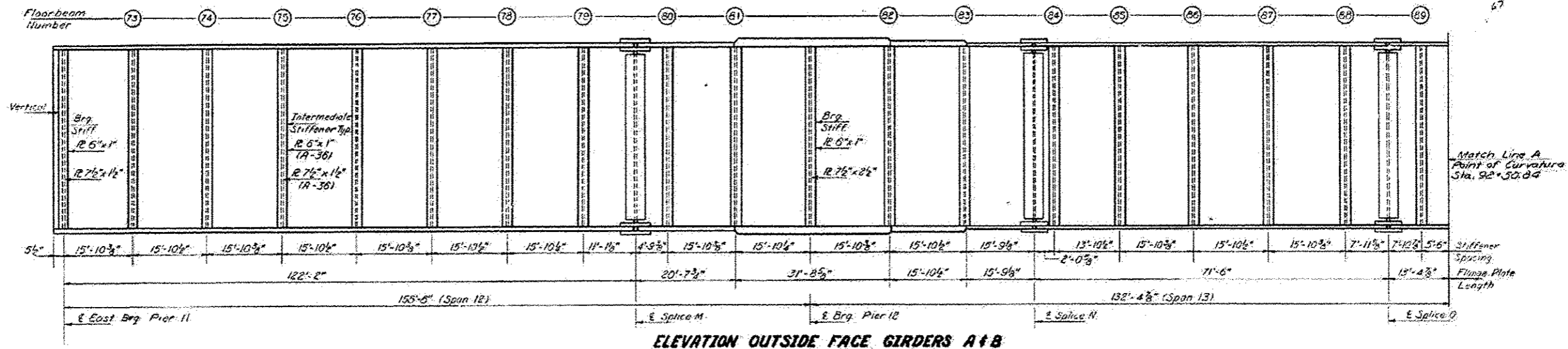
F.A.1. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72.90)5F&E,D/P	PEORIA/TAZEWELL	93	60AB
CONTRACT NO. 68800				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY – NOT TO SCALE

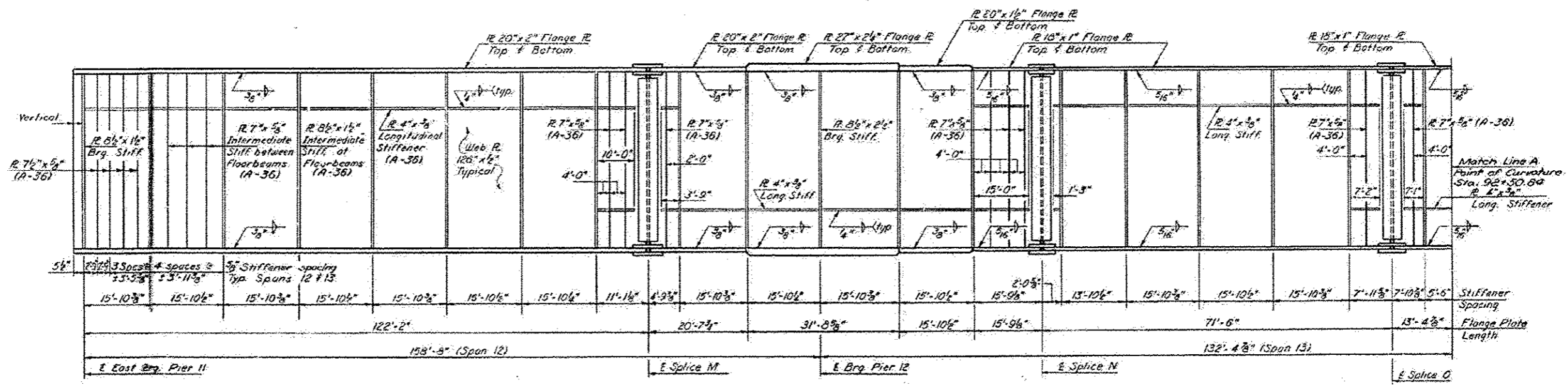
STATE OF ILLINOIS

DATE	BY	NO.	REV.	NO.	DATE
10/20/16	SEA	1			

SHEET NO. 79
118 SHEETS



ELEVATION OUTSIDE FACE GIRDERS A+B



ELEVATION INSIDE FACE GIRDERS A+B

NOTES:
 All dimensions are given horizontal and along bottom flange.
 See sheet #85 for splice details.
 All stiffeners shall be perpendicular to flanges except as shown.
 See sheet #84 for stiffener details.
 All structural steel shall conform to ASTM A-588 except as noted.

DESIGNED James M. O'Neil	DESIGNED June 25 1970 [Signature]
CHECKED Richie	APPROVED [Signature]
DRAWN J. Subbaraman	
CHECKED [Signature]	

GIRDER DETAIL
WEST BOUND LANES
ILL. RIVER BRIDGE AT CREVE COEUR
F.R.T. RT. 474 SEC. (72-90) 5F&E, DP
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

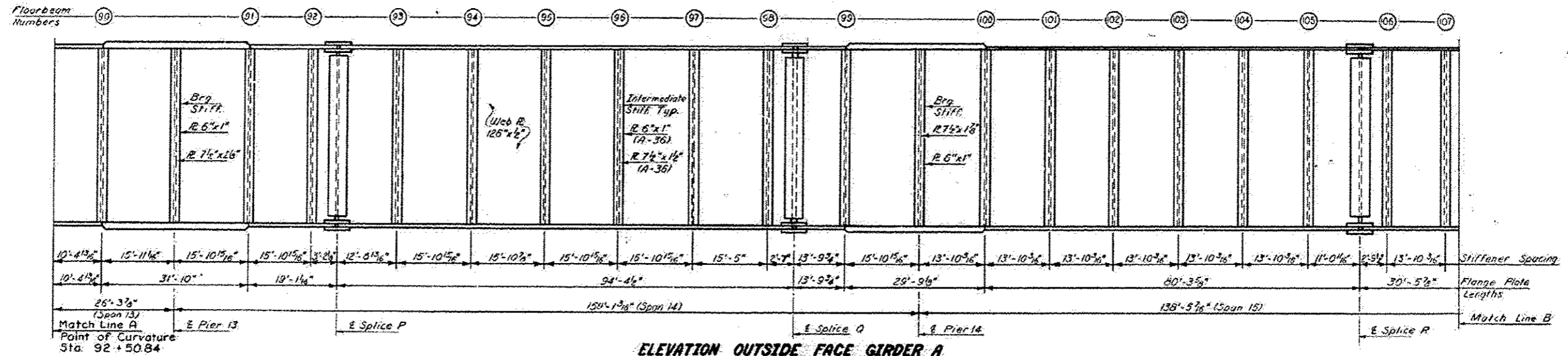
DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

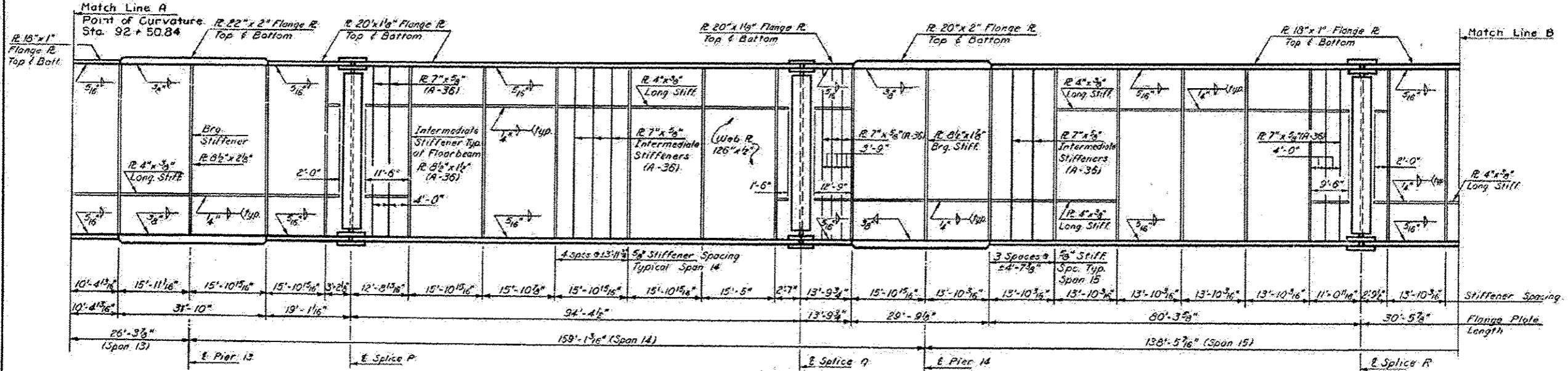
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(72.90)5B]-3	PEORIA/TAZEWELL	93	60AC
CONTRACT NO. 68B00				
<small>ILLINOIS FED. AID PROJECT</small>				

FOR INFORMATION ONLY – NOT TO SCALE

STATE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
172-9015B1-3	104	PEORIA/TAZEWELL	93	68
SHEET NO. 80 118 SHEETS				



ELEVATION OUTSIDE FACE GIRDER A



ELEVATION INSIDE FACE GIRDER A

Notes:
 All dimensions are given horizontal and along bottom flange.
 See sheet # 85 for splice details.
 All stiffeners shall be perpendicular to flanges.
 See sheet # 84 for stiffener details.
 All structural steel shall conform to ASTM A-588 except as noted.

DESIGNED: <i>James M. Burkhardt</i>	EXAMINED: <i>John A. Hillman</i>	DATE: <i>June 23 1910</i>
CHECKED: <i>John A. Hillman</i>	PASSED: <i>[Signature]</i>	
DRAWN: <i>G. Rittig</i>	APPROVED: <i>[Signature]</i>	
CHECKED: <i>986</i>		

GIRDER DETAILS
WEST BOUND LANES
ILL. RIVER BRIDGE AT CREVE COEUR
E.I. RT. 474 SEC. (72-90) 51 & 1, 2, 3
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

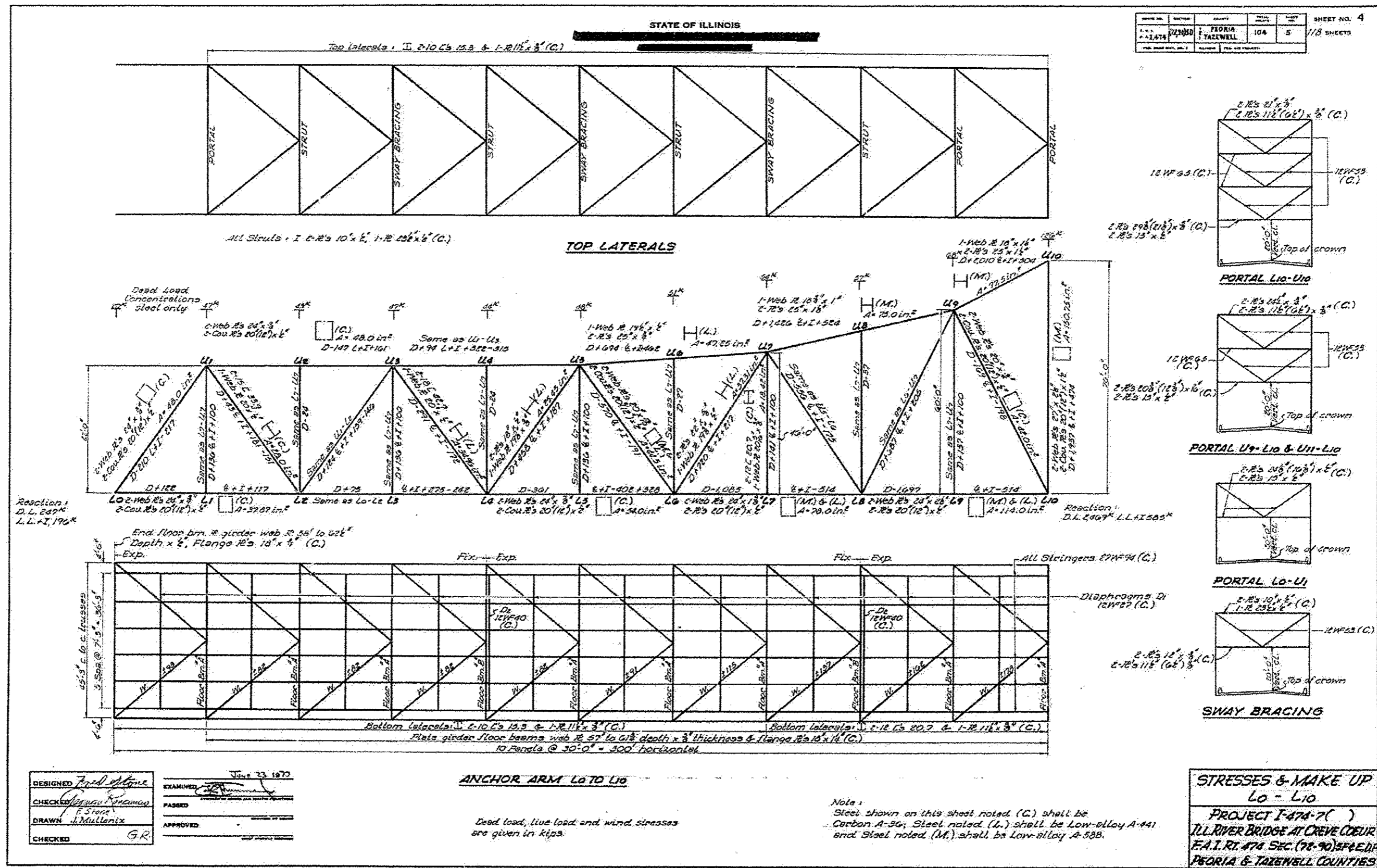
DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172,9015B1)-3	PEORIA/TAZEWELL	93	60AD
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY – NOT TO SCALE

DATE 1-1-78	SECTION 172050	COUNTY PEORIA	TOTAL SHEETS 104	SHEET NO. 5	SHEET NO. 4 1/8 SHEETS
PROJECT ILL. RIVER BRIDGE AT CREVE COEUR F.A.I.R.T. 474 SEC. (78-70) SP&EP PEORIA & TAZEWELL COUNTIES					



DESIGNED <i>Fred Stone</i>	EXAMINED <i>[Signature]</i>
CHECKED <i>[Signature]</i>	PASSED <i>[Signature]</i>
DRAWN <i>J. Mulleritz</i>	APPROVED <i>[Signature]</i>
CHECKED <i>G.R.</i>	DATE June 23, 1972

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

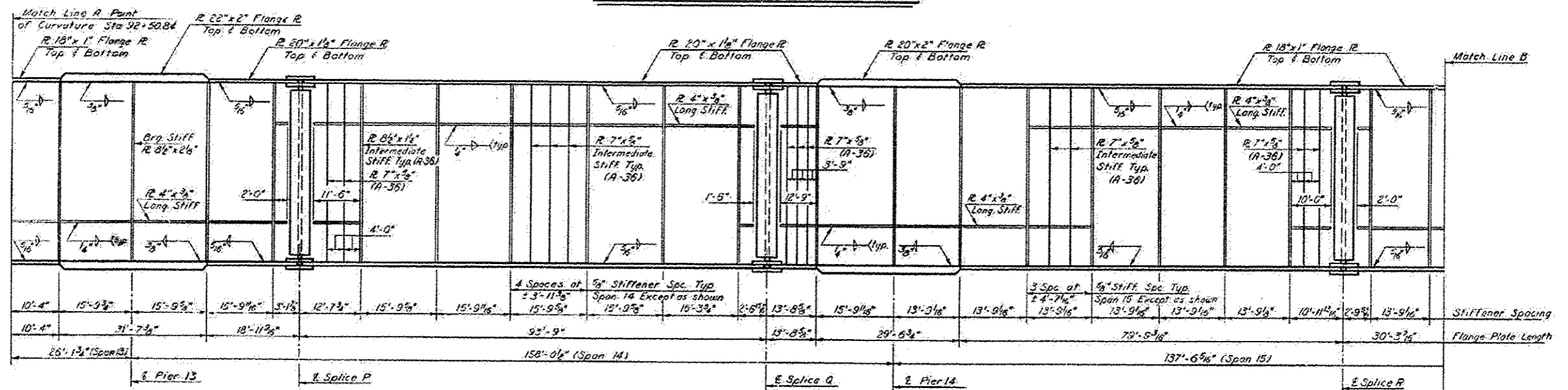
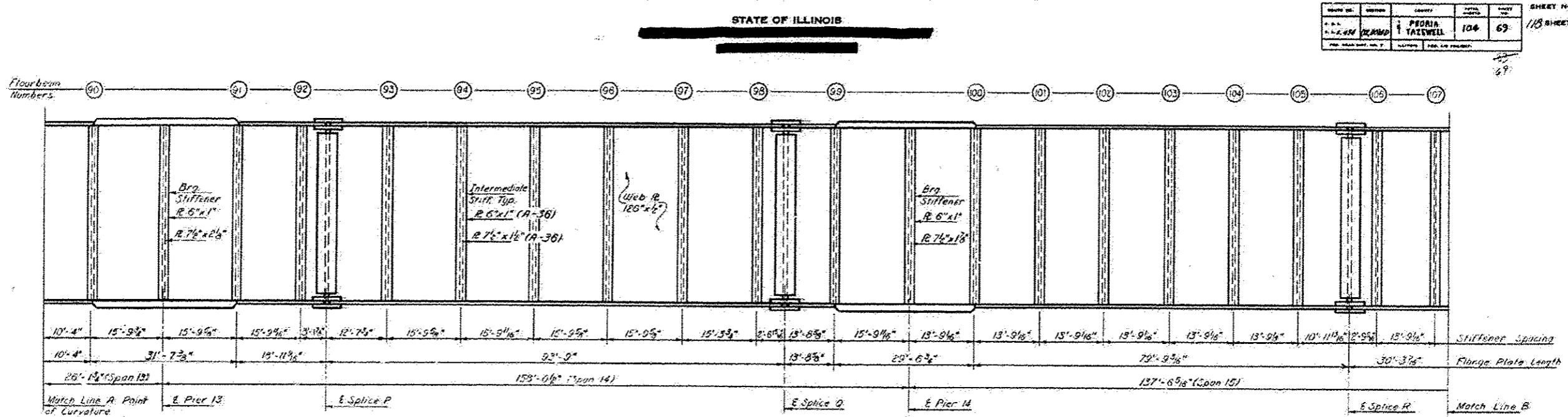
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

F.A.I. RT. 474	SECTION (172,905831-3)	COUNTY PEORIA/TAZEWELL	TOTAL SHEETS 93	SHEET NO. 608
CONTRACT NO. 68800				
ILLINOIS FED. AID PROJECT				

▲ SHEET ADDED 10-20-16

FOR INFORMATION ONLY – NOT TO SCALE

STATE OF ILLINOIS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILLINOIS	474	PEORIA/TAZEWELL	104	69



Notes:
 All dimensions are given horizontally and along the bottom flange.
 See sheet # 85 for splice details.
 All stiffeners shall be perpendicular to flanges.
 See sheet # 84 for stiffener details.
 All structural steel shall conform to ASTM A-588 except as noted.

DESIGNED: <i>James M. Bickel</i>	EXAMINED: <i>John J. ...</i>
CHECKED: <i>Paul ...</i>	PASSED: <i>...</i>
DRAWN: DETCHER	APPROVED: <i>...</i>
CHECKED: <i>...</i>	DATE: JUNE 23 1970

GIRDER DETAIL
 WEST BOUND LANES
 ILL. RIVER BRIDGE AT CREVE COEUR
 F.A.I. RT. 474 SEC. (72-90) 5 F&E, D.P.
 PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

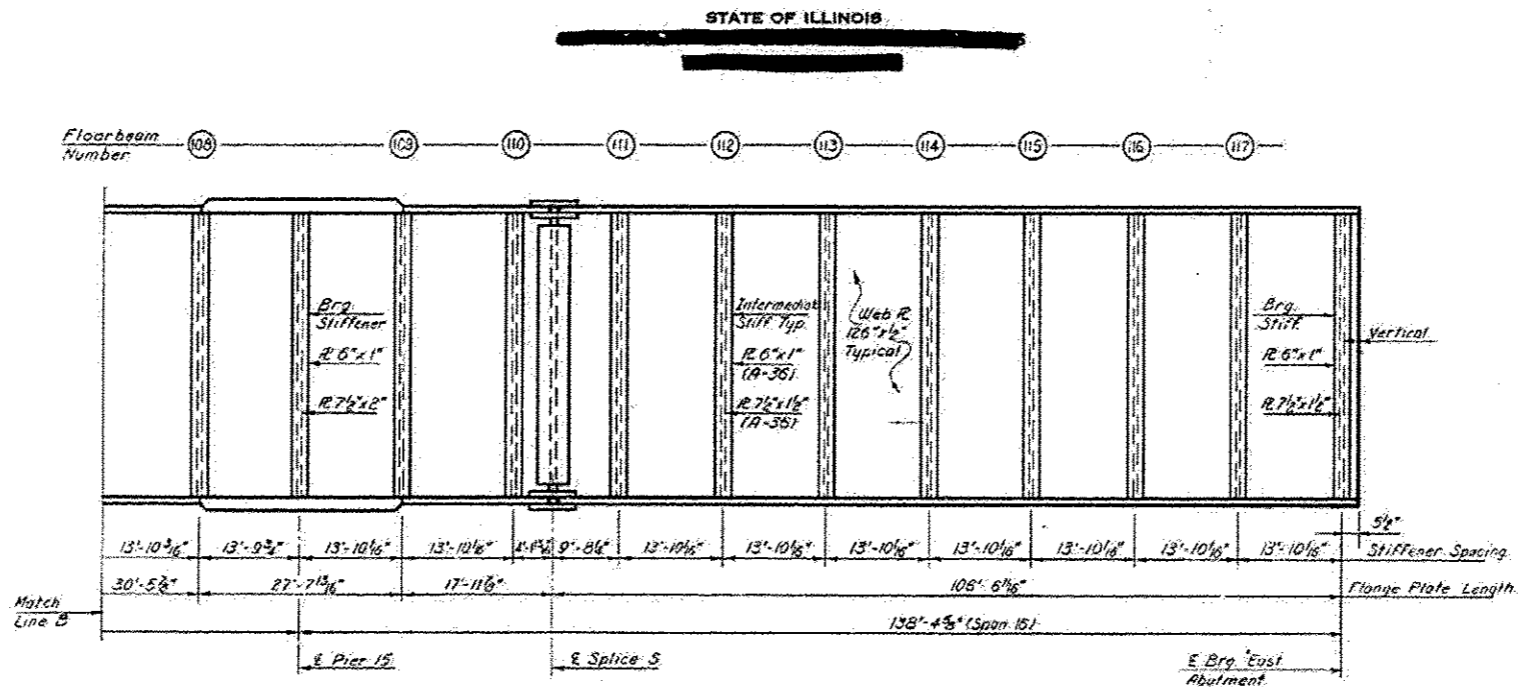
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CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WORKS

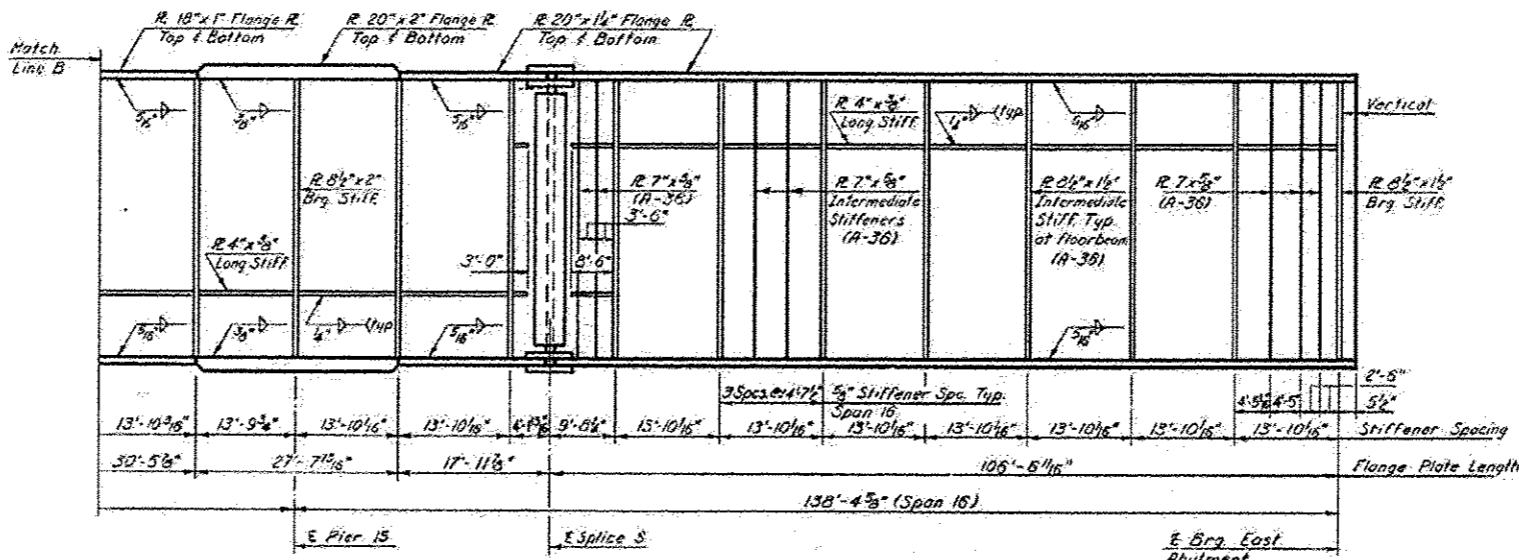
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.9015B1)-3	PEORIA/TAZEWELL	93	60AE
CONTRACT NO. 68800				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY – NOT TO SCALE

SHEET NO. 02	118 SHEETS
PROJECT NO. 72-9015B1-3	SECTION 104
COUNTY PEORIA & TAZEWELL	SHEET NO. 70
DATE 10/20/16	DRAWN BY



ELEVATION OUTSIDE FACE GIRDER A



ELEVATION INSIDE FACE GIRDER A

NOTES:
 All dimensions are given horizontal and along bottom flange.
 See sheet # 25 for splice details.
 All stiffeners shall be perpendicular to flanges except as shown.
 See sheet # 84 for stiffener details.
 All structural steel shall conform to ASTM A-500 except as noted.

DESIGNED: <i>James M. Burk</i>	EXAMINED: <i>[Signature]</i>
CHECKED: <i>[Signature]</i>	PASSED: _____
DRAWN: <i>RITCHIE B</i>	APPROVED: _____
CHECKED: <i>[Signature]</i>	DATE: JUNE 23 1970

GIRDER DETAILS
 WEST BOUND LANES
 ILL. RIVER BRIDGE AT CREVE COEUR
 F.R.T. 474 SEC(72-9015B1-3)
 PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

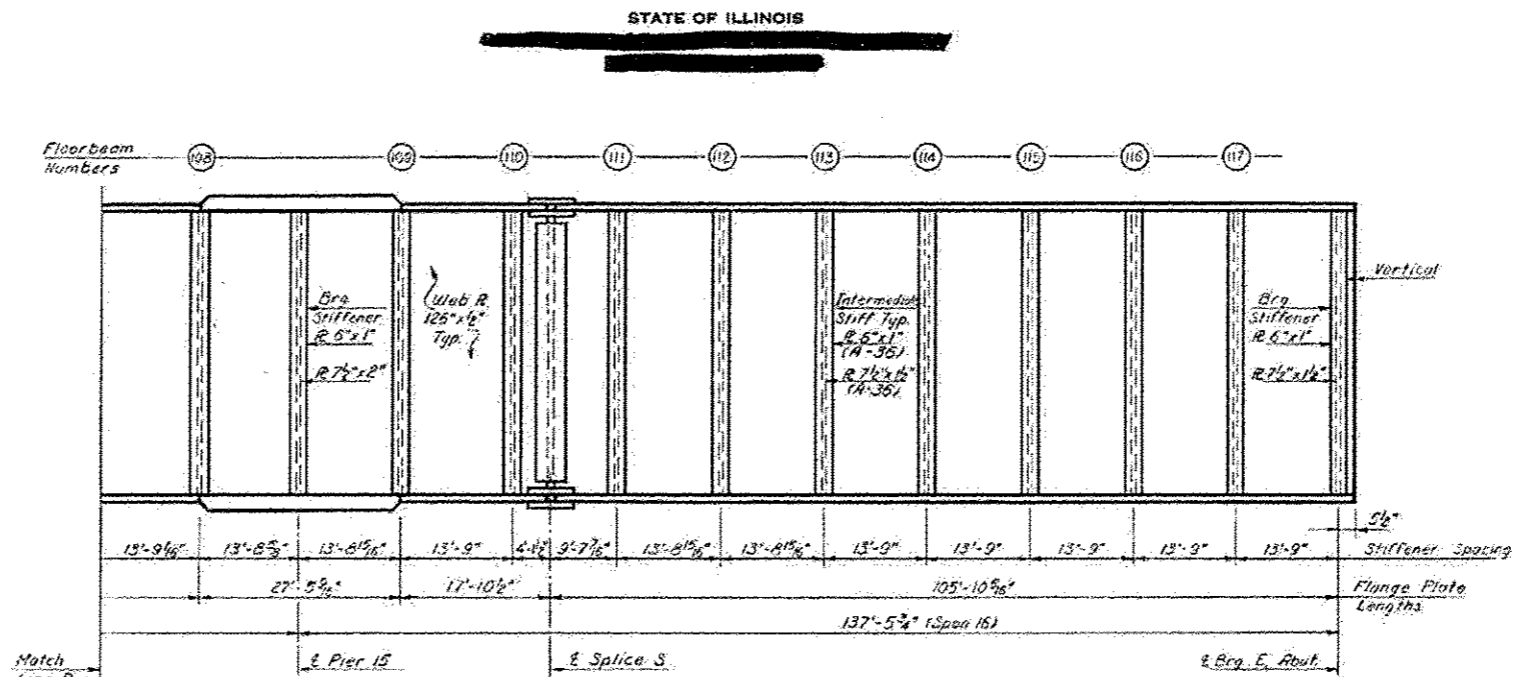
DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WORKS**

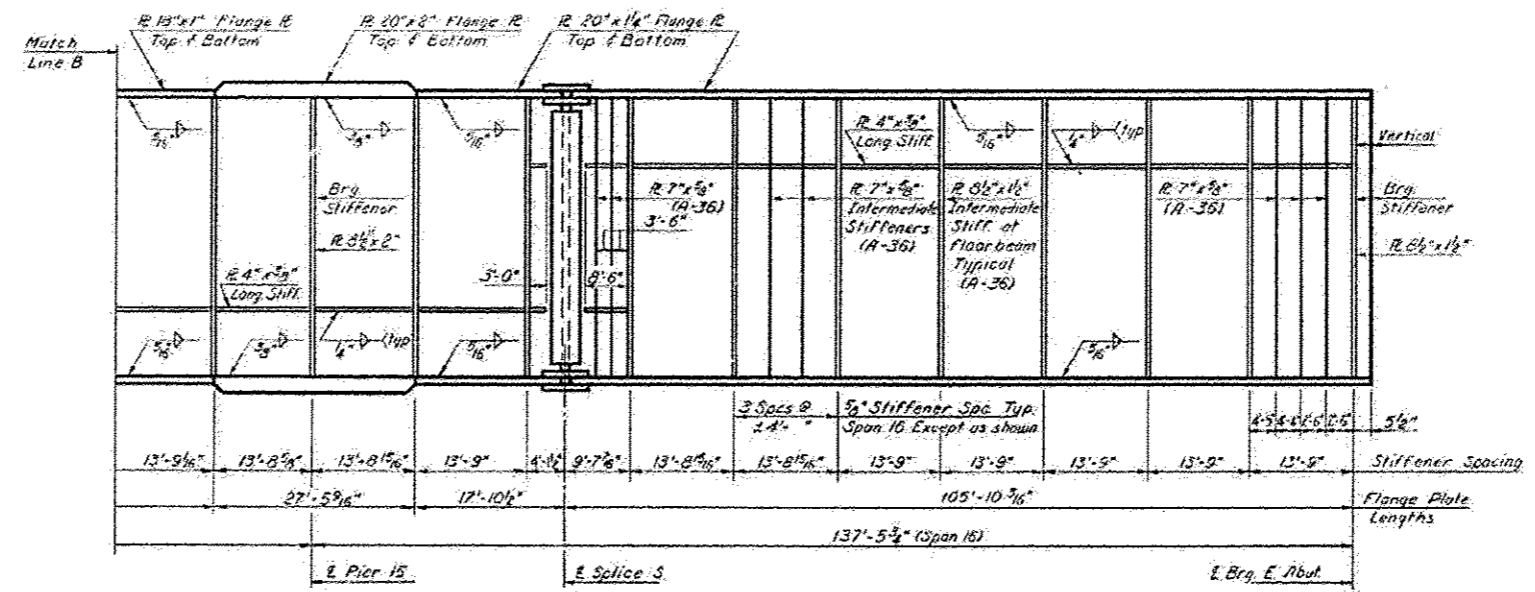
F.A.I. RTE. 474	SECTION (72-9015B1)-3	COUNTY PEORIA/TAZEWELL	TOTAL SHEETS 93	SHEET NO. 60AF
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY – NOT TO SCALE

STATE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 474	(172.9015B)-3	PEORIA/TAZEWELL	93	83
PROJECT			NO.	
WEST BOUND LANES			60AG	
CONTRACT NO. 68B00				



ELEVATION OUTSIDE FACE GIRDER B



ELEVATION INSIDE FACE GIRDER B

NOTES:
 All dimensions are given horizontal and along bottom flange.
 See sheet #85 for splice details.
 All stiffeners shall be perpendicular to flanges except as shown.
 See sheet #84 for stiffener details.
 All structural steel shall conform to ASTM A-588 except as noted.

DESIGNED: <i>James M. Burk</i>	EXAMINED: <i>[Signature]</i>
CHECKED: <i>[Signature]</i>	PASSED: <i>[Signature]</i>
DRAWN: <i>REICHER</i>	APPROVED: <i>[Signature]</i>
CHECKED: <i>gdc</i>	

GIRDER DETAILS
WEST BOUND LANES
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT. 474 SEC. (172.9015B)-3
PEORIA & TAZEWELL COUNTIES

1 SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.9015B)-3	PEORIA/TAZEWELL	93	60AG
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS

SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	104	72	112	72

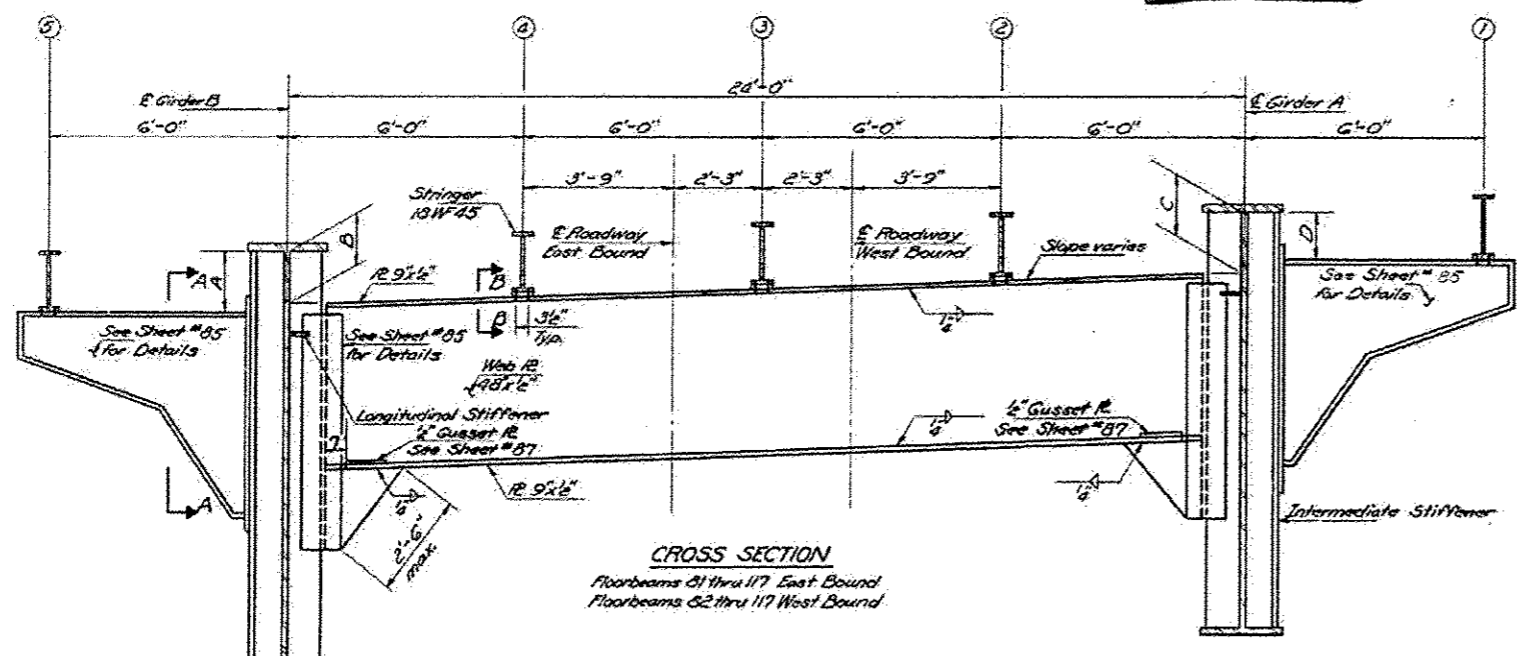


TABLE OF DIMENSIONS E. BD.

Floorbeam No.	A	B	C	D
73 thru 80	1'-5 1/2"	1'-3"	1'-4 1/2"	1'-5 3/8"
81	1'-5 3/8"	1'-3 1/2"	1'-4 1/2"	1'-5 3/4"
82	1'-5 3/8"	1'-3 3/8"	1'-4 1/2"	1'-5 3/4"
83	1'-6"	1'-4 1/2"	1'-4 1/2"	1'-5 3/8"
84	1'-6 1/2"	1'-4 1/2"	1'-3 3/8"	1'-5 3/4"
85	1'-6 1/2"	1'-4 1/2"	1'-4 1/2"	1'-5 3/4"
86	1'-7 1/4"	1'-5"	1'-4 1/2"	1'-5 3/4"
87	1'-7 1/4"	1'-5 1/2"	1'-5"	1'-5 3/4"
88	1'-7 1/2"	1'-5 1/2"	1'-5 1/2"	1'-5 3/4"
89	1'-7 1/2"	1'-5 1/2"	1'-5 1/2"	1'-5 3/4"
90	1'-7 1/2"	1'-5 1/2"	1'-5 1/2"	1'-5 3/4"
91 thru 117	1'-8"	1'-6 1/2"	1'-5 1/2"	1'-5 3/4"

TABLE OF DIMENSIONS W. BD.

Floorbeam No.	A	B	C	D
73 thru 81	1'-5 3/8"	1'-3 1/2"	1'-4 1/2"	1'-5 3/4"
82	1'-5"	1'-3 1/2"	1'-4 1/2"	1'-5 3/4"
83	1'-5 3/8"	1'-4 1/2"	1'-4 1/2"	1'-5 3/4"
84	1'-6"	1'-4 1/2"	1'-4 1/2"	1'-5 3/8"
85	1'-6 1/2"	1'-5 1/2"	1'-4 1/2"	1'-5 3/4"
86	1'-6 1/2"	1'-5 1/2"	1'-4 1/2"	1'-5 3/4"
87	1'-6 1/2"	1'-5 1/2"	1'-4 1/2"	1'-5 3/4"
88	1'-7"	1'-5 1/2"	1'-5"	1'-5 3/4"
89	1'-7 1/4"	1'-5 1/2"	1'-5"	1'-5 3/4"
90	1'-7 1/4"	1'-5 1/2"	1'-5 1/2"	1'-5 3/4"
91	1'-7 1/2"	1'-5 1/2"	1'-5"	1'-5 3/4"
92	1'-7 1/2"	1'-5 1/2"	1'-5"	1'-5 3/4"
93 thru 117	1'-8"	1'-6 1/2"	1'-5 1/2"	1'-5 3/4"

TABLE OF 'T' DIMENSIONS

Eastbound		Westbound	
Floorbeam No.	Stringer No.	Floorbeam No.	Stringer No.
73 thru 80	2 or 4	73 thru 81	2 or 4
81	5	82 thru 83	5
84 thru 86	5	86 thru 88	5
87 thru 90	5	89 thru 91	5
90 thru 117	5	92 thru 117	5

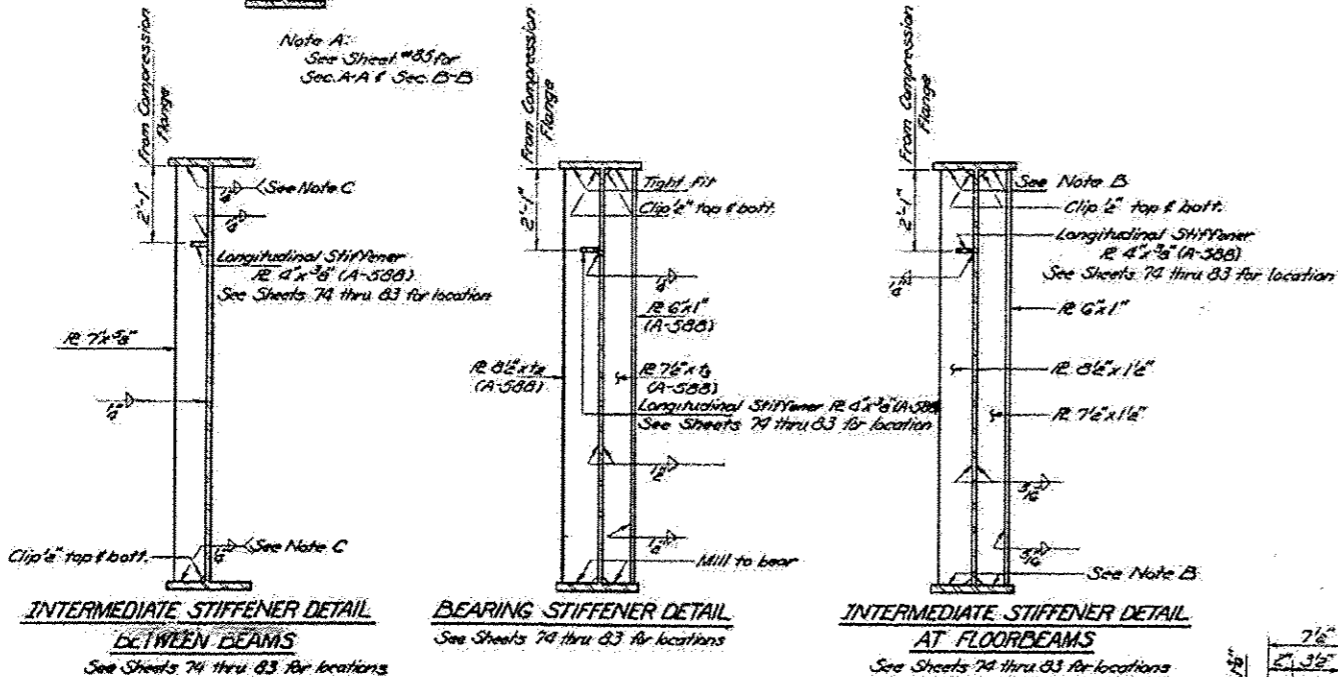


TABLE OF 1/2" & 3/4" DIMENSIONS

Location	1/2"	3/4"
Pier 11	16"	12"
Pier 12	22"	22"
Pier 13	24"	24"
Pier 14	16"	16"
Pier 15	2"	2"
East Abutment	12"	12"

TABLE OF 1/2" DIMENSIONS

Eastbound		Westbound	
Floorbeam No.	1/2"	Floorbeam No.	1/2"
73 thru 80	0	73 thru 83	0
85	1/2"	84	1/2"
86	1/2"	85	1/2"
87	1/2"	86	1/2"
88	1/2"	87	1/2"
89	1/2"	88	1/2"
90	1/2"	89	1/2"
91 thru 117	1/2"	90	1/2"
		91 thru 117	1/2"

Note:
All structural steel shall conform to ASTM A-36 except as noted.

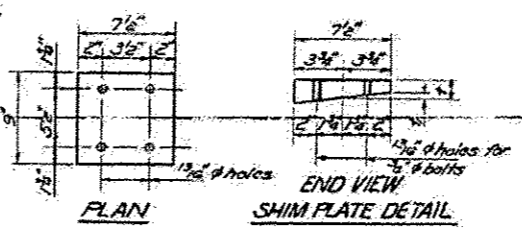
DESIGNED: James M. Barber
 CHECKED: Howard Hillman
 DRAWN: J.R. Sutherland
 CHECKED: G.L.C.

EXAMINED: [Signature]
 PASSED: [Signature]
 APPROVED: [Signature]

JUNE 23, 1970

Note C:
Weld stiffeners to the top flange only at the following locations: Between floorbeams 73 & 79, 84 & 88, 93 & 98, 102 & 106, and between 110 & 117.
Weld stiffeners to the bottom flange only at the following locations: Between floorbeams 80 & 83, 89 & 92, 99 & 101 and between 107 & 109.

Note D:
Tight fit on top flange & 1/8" undercut on bottom flange from floorbeams 73 thru 79, 84 thru 88, 93 thru 98, 102 thru 106, & 110 thru 117.
Tight fit on bottom flange & 1/8" undercut on top flange from floorbeams 80 thru 83, 89 thru 92, 99 thru 101 & 107 thru 109.



STRUCTURAL STEEL DETAILS
 SPANS 12 THRU 16
 ILL. RIVER BRIDGE AT CREVE COEUR
 ILL. RT. 474 SEC. (72-90) 5 F&E, D, P
 PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

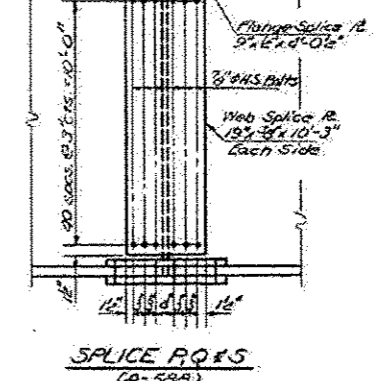
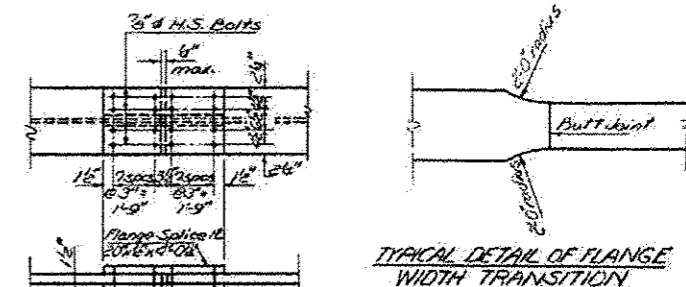
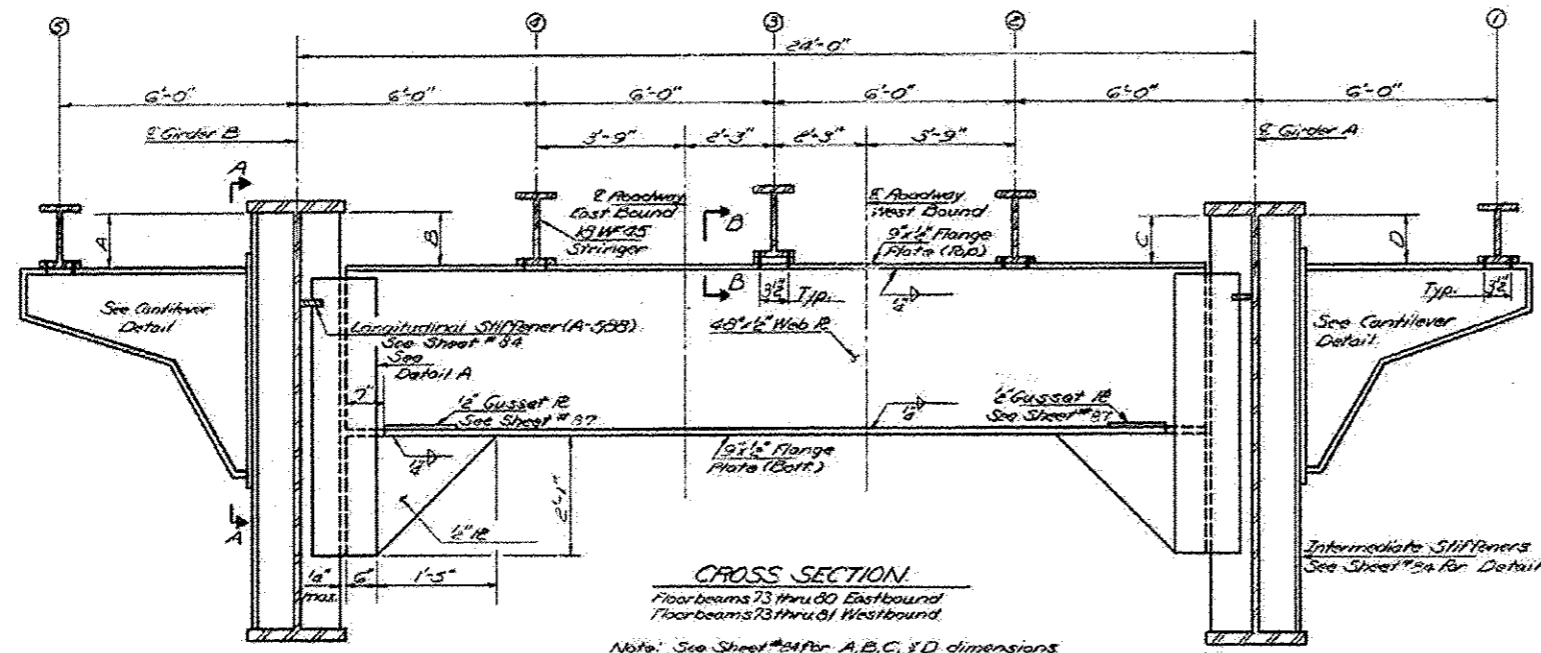
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WORKS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172,901581)-3	PEORIA/TAZEWELL	93	604H
CONTRACT NO. 68800				
ILLINOIS FED. AID PROJECT				

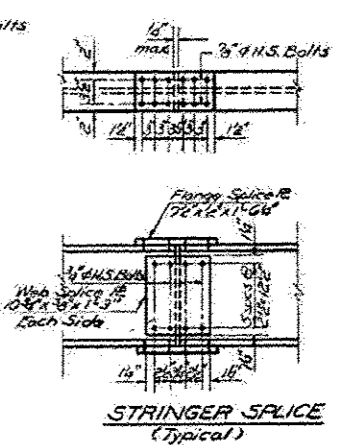
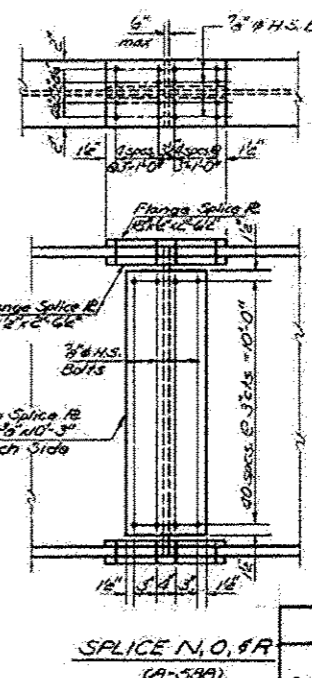
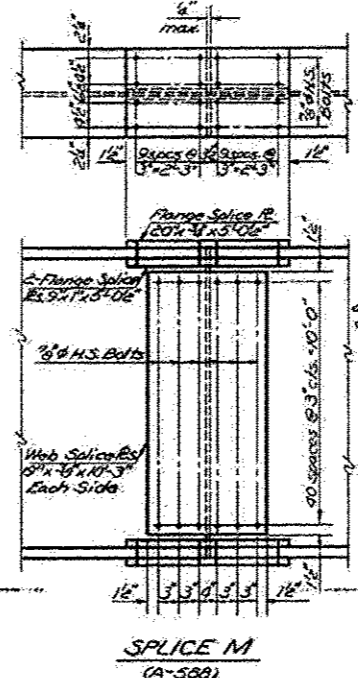
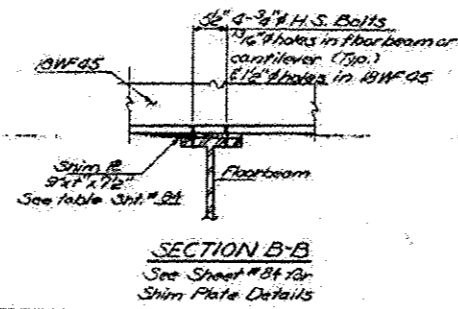
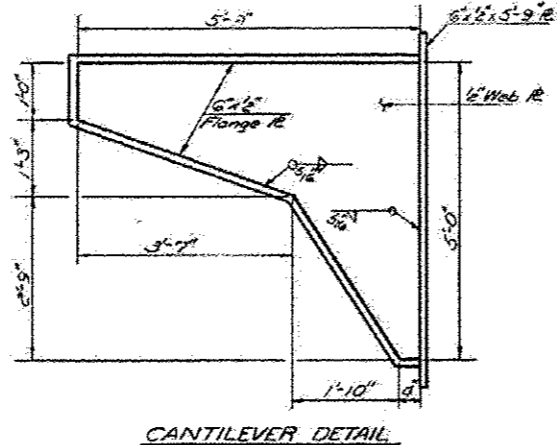
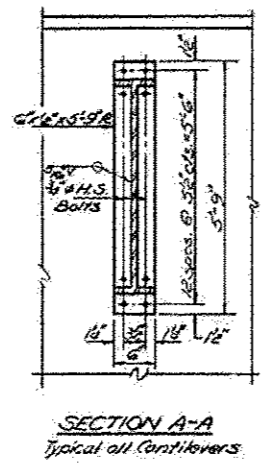
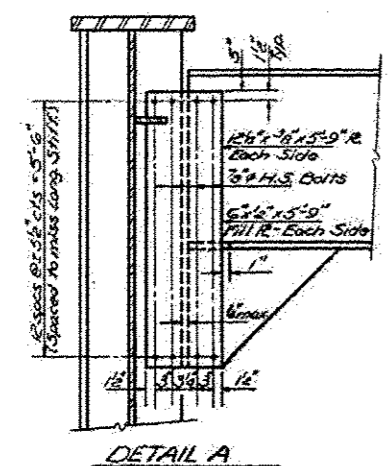
FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS

SHEET NO. 85	
118 SHEETS	73



Note: All steel shall conform to ASTM A-36 except as noted.



DESIGNED: James M. Beck	EXAMINED: [Signature]
CHECKED: [Signature]	PASSED: [Signature]
DRAWN: J. Sutherland	APPROVED: [Signature]
CHECKED: [Signature]	

STRUCTURAL STEEL-DETAILS
SPANS 12 THRU 16
ILL. RIVER BRIDGE AT CREVE COEUR
EAL RT 474 SEC. (72-90) 5 F.E.E.D.P
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

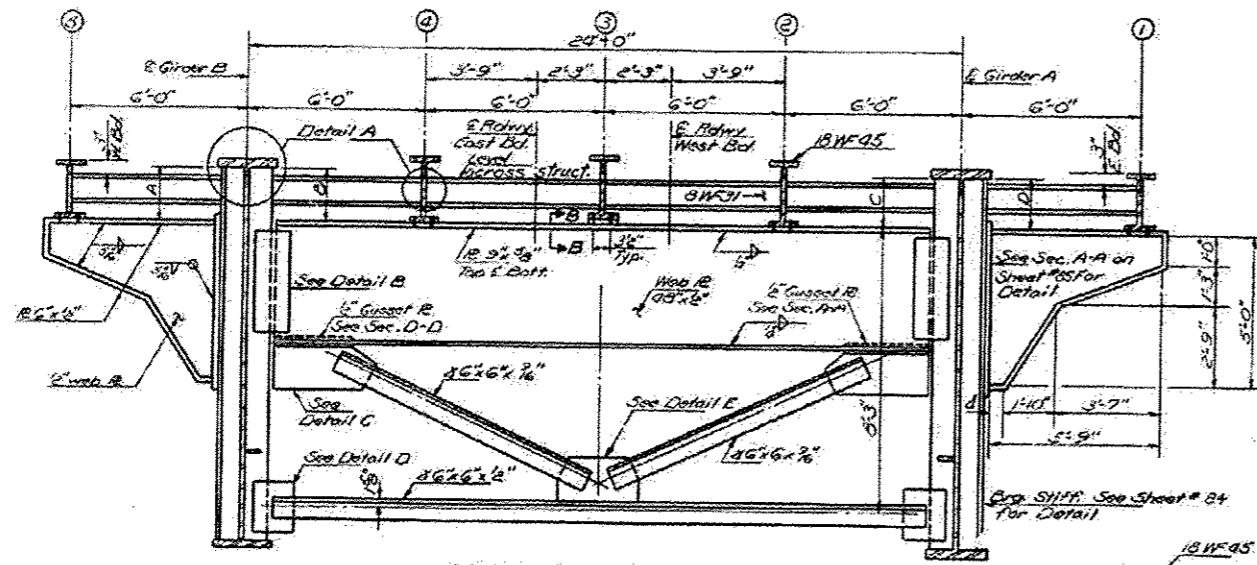
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WATERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

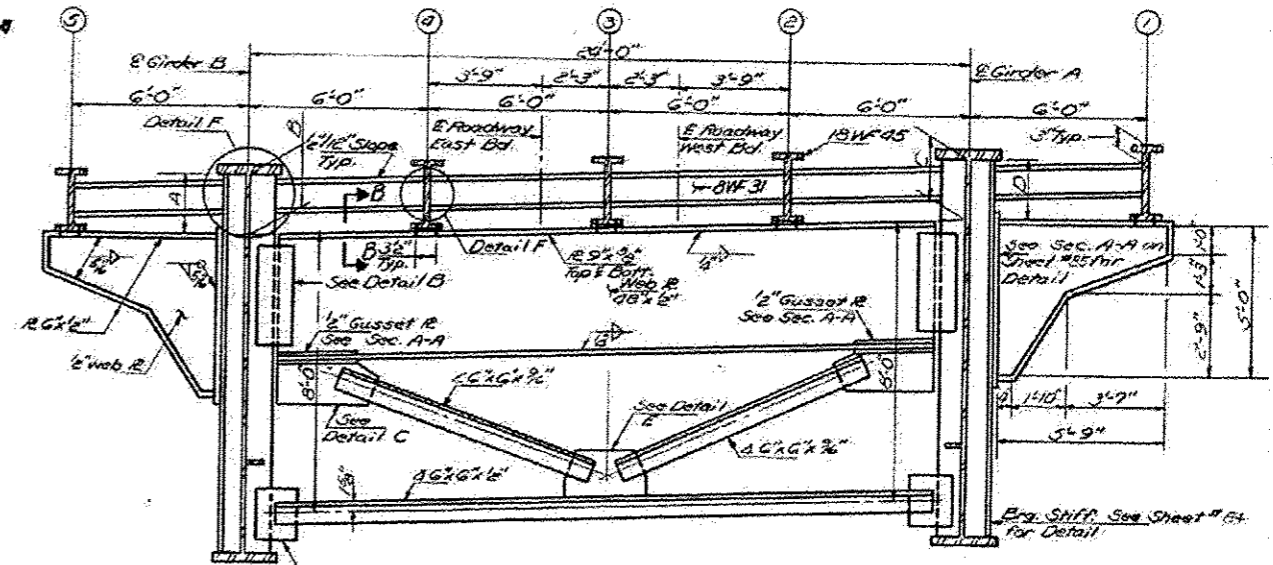
FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS

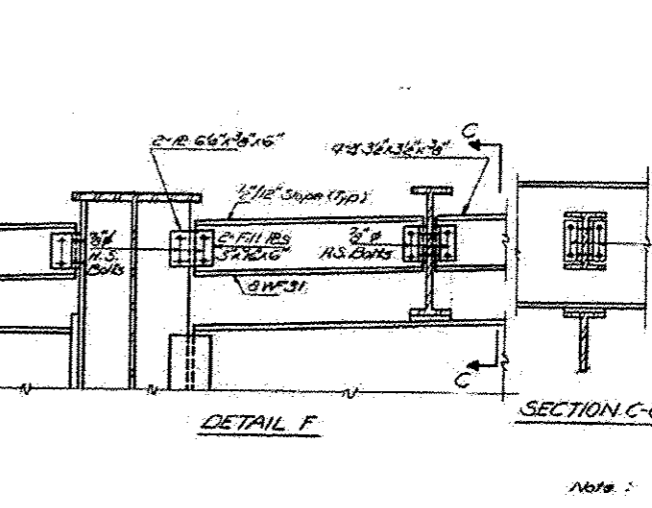
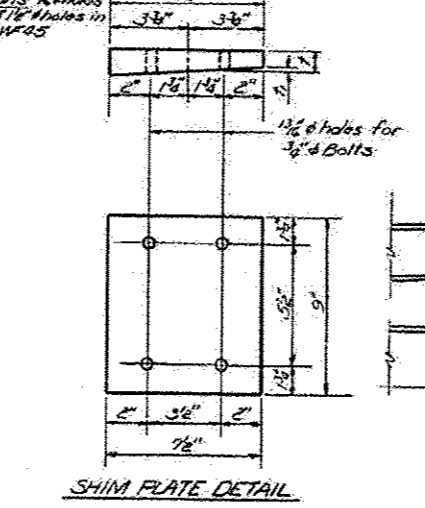
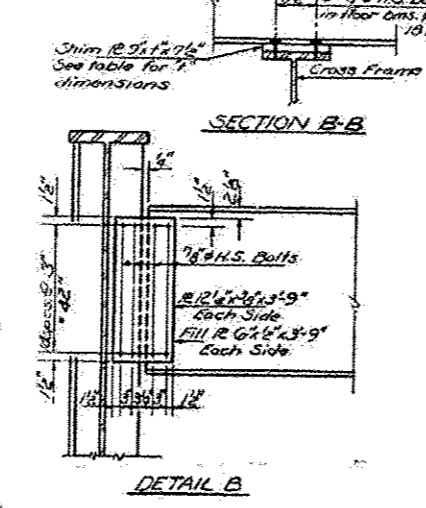
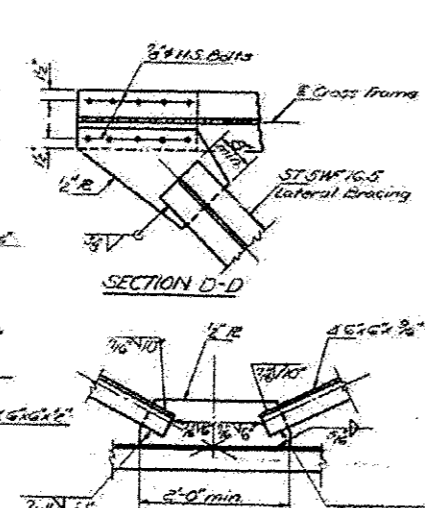
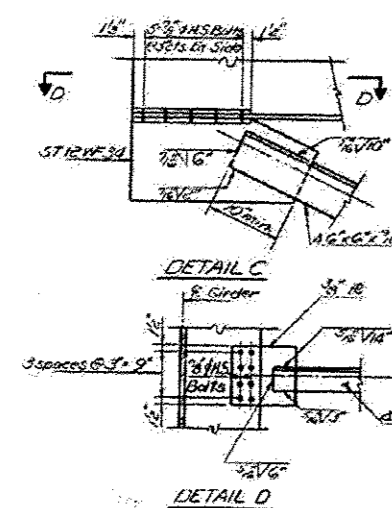
SHEET NO. 85	
118 SHEETS	
DESIGNED BY	SCS
CHECKED BY	SEA
DRAWN BY	SCS
CHECKED BY	SEA



CROSS FRAME AT PIER 11 (CF11)



CROSS FRAME AT EAST ABUTMENT (CF16)



DESIGNED: James M. Barber
 CHECKED: Paul Chubb
 DRAWN: J. Sutherland
 CHECKED: G.H.L.

EXAMINED: JUNE 23, 1920
 PASSED: [Signature]
 APPROVED: [Signature]

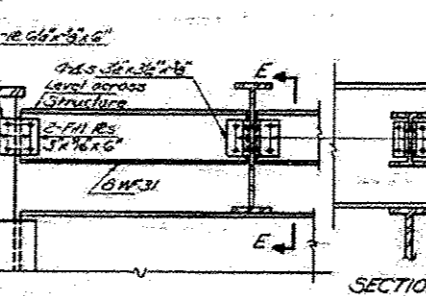


TABLE OF FLOORBEAM DIMENSIONS

		A	B	C	D
Pier 11	East Bd.	1'3 3/4"	1'3"	1'4 1/2"	1'3 3/4"
	West Bd.	1'5 3/4"	1'4"	1'3"	1'5 3/4"
East Abutment	East Bd.	1'0 1/2"	1'6 1/2"	1'4"	1'0 1/2"
	West Bd.	1'3 3/4"	1'6 1/2"	1'4"	1'3 3/4"

TABLE OF T & T DIMENSIONS

Stringer No.	Pier 11	East Abutment	
East Bd.	2 or 4	0	1/2
	3	3/8	3/8
West Bd.	2 or 4	0	3/8
	3	3/8	3/8

STRUCTURAL STEEL DETAILS
 SPANS 12 THRU 16
 ILL. RIVER BRIDGE AT CREVE COEUR
 FAI. RT 474 SEC. (72-90) S.F. & D.P.
 PEORIA & TAZEWELL COUNTIES

SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

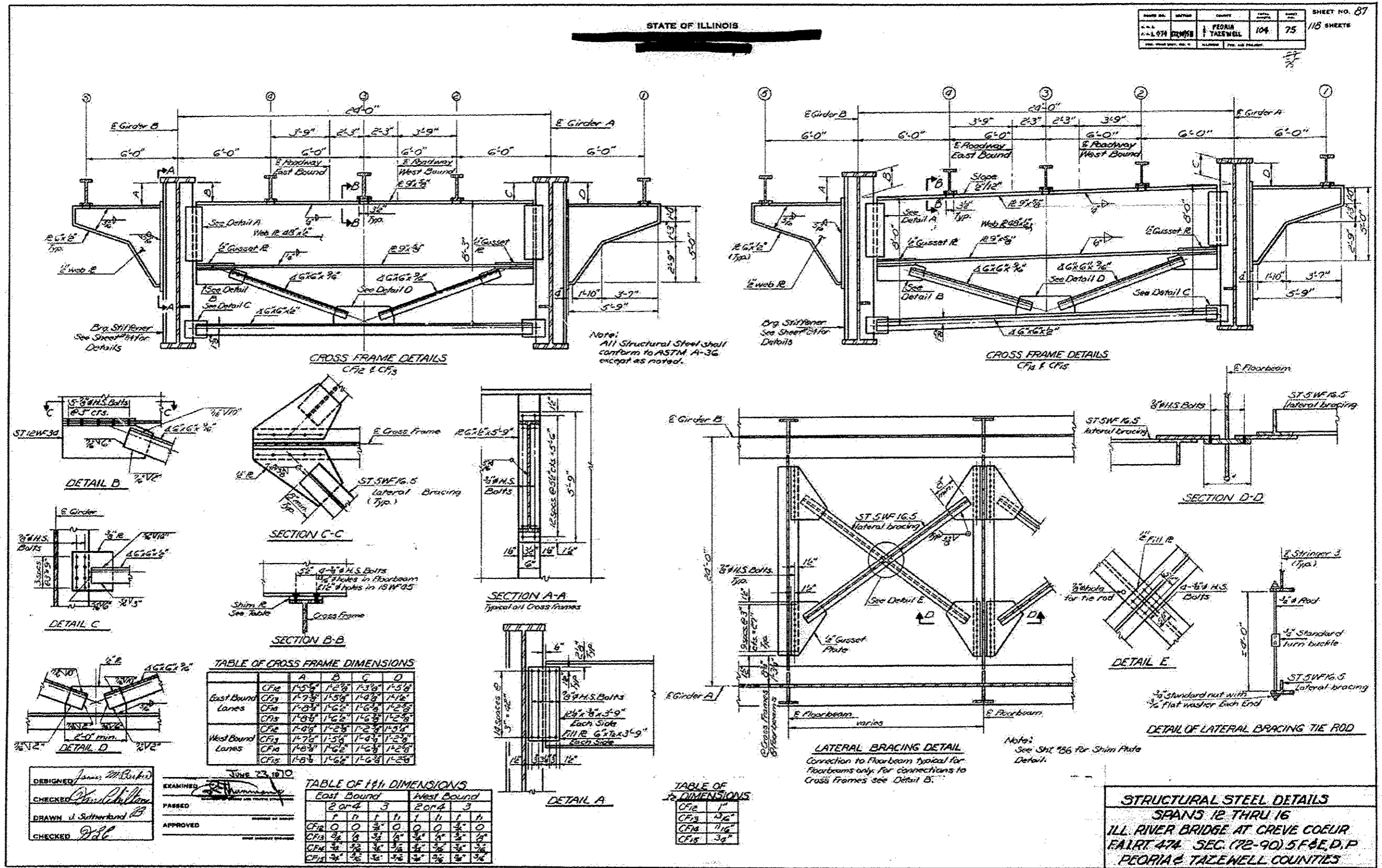
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WORKS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.9015B1)-3	PEORIA/TAZEWELL	93	60AJ
			CONTRACT NO. 68B00	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY – NOT TO SCALE

STATE OF ILLINOIS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
172-9015B1-3	PEORIA TAIZEWELL	104	75	118



DESIGNED: James M. Burk
 CHECKED: Charles H. Hill
 DRAWN: J. Sutherland
 CHECKED: JSC

EXAMINED: [Signature]
 PASSED: [Signature]
 APPROVED: [Signature]

STRUCTURAL STEEL DETAILS
 SPANS 12 THRU 16
 ILL. RIVER BRIDGE AT CREVE COEUR
 FAHRT 474 SEC. (172-90) S.F.B.E.D.P.
 PEORIA & TAZEWELL COUNTIES

1 SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

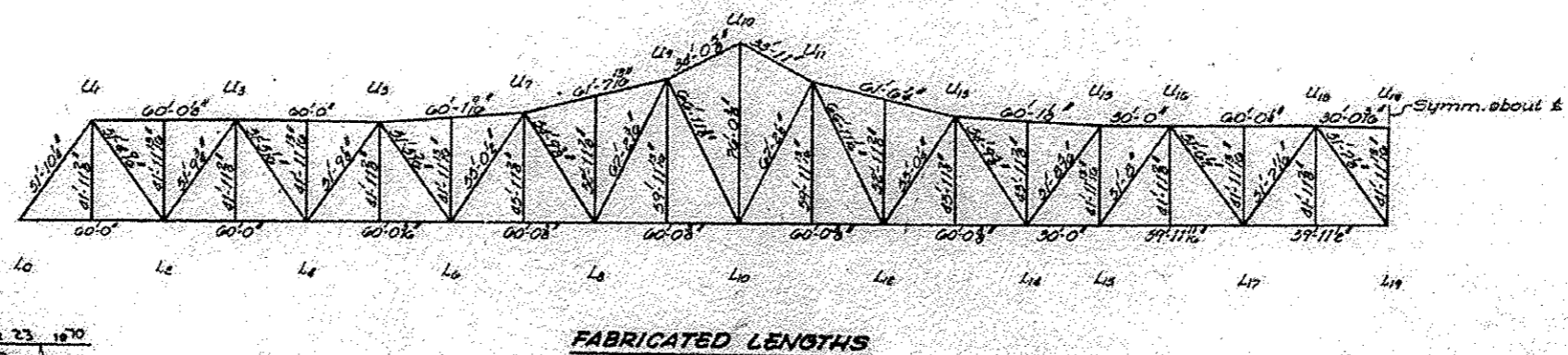
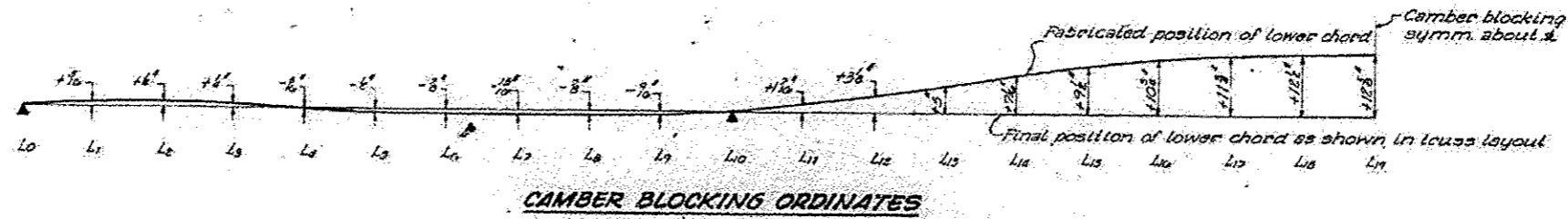
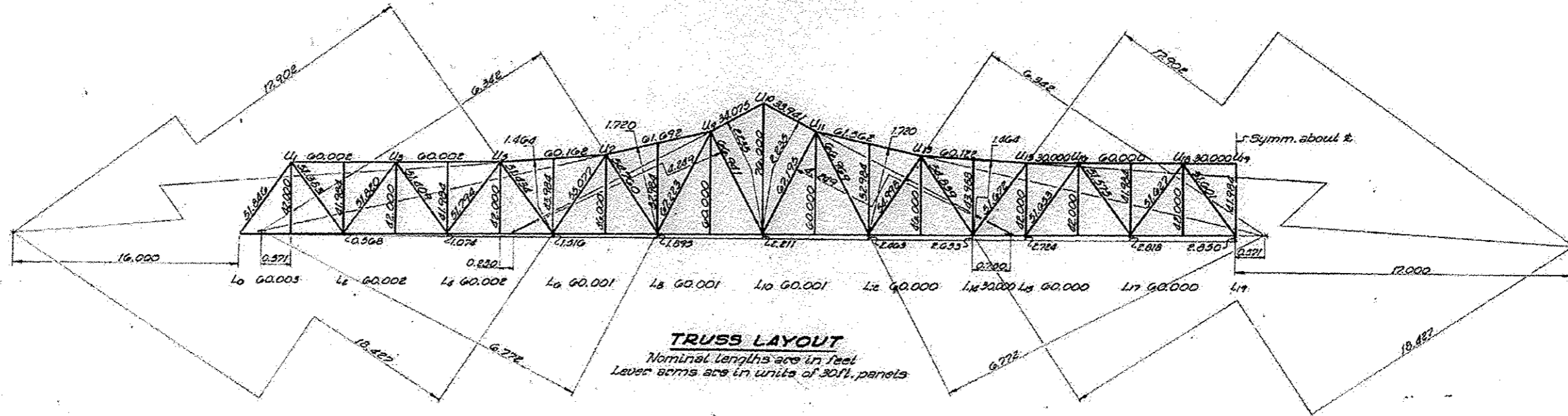
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172-9015B1)-3	PEORIA/TAZEWELL	93	60AK
CONTRACT NO. 68B00			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY – NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SHEET NO. 3	TOTAL SHEETS 118
PROJECT NO. 1-474-7 (27)95	SHEET NO. 93
SECTION [172.90]5B]-3	SHEET NO. 60AL
COUNTY PEORIA/TAZEWELL	CONTRACT NO. 68B00
ILLINOIS FED. AID PROJECT	



DESIGNED <i>Fred Stone</i>	EXAMINED <i>[Signature]</i> June 23 1970
CHECKED <i>[Signature]</i>	PASSED
DRAWN <i>S. Mullerix</i>	APPROVED
CHECKED <i>G.R.</i>	

TRUSS LAYOUT
PROJECT 1-474-7 (27)95
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT. 474 SEC. (172-90)5B]-3
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

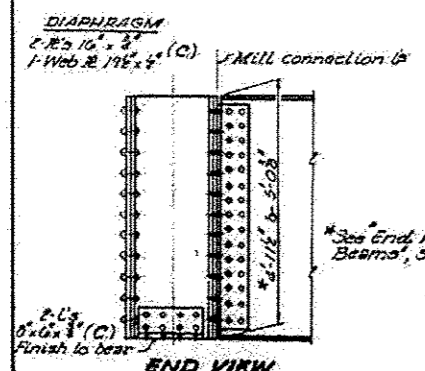
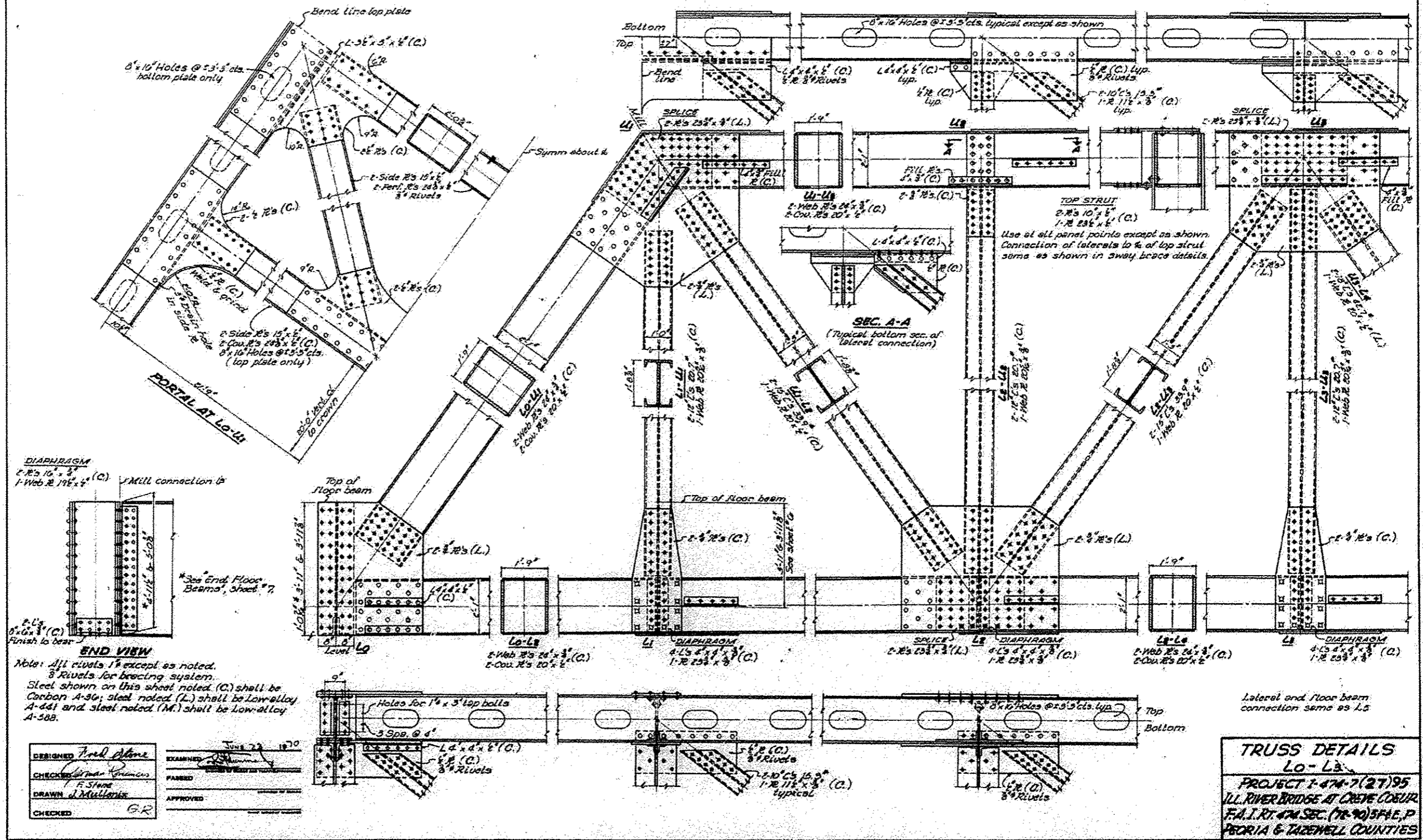
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

F.A.I. RTE. 474	SECTION [172.90]5B]-3	COUNTY PEORIA/TAZEWELL	TOTAL SHEETS 93	SHEET NO. 60AL
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY – NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

DATE	7/16/70	PROJECT	PEORIA	SHEET NO.	8
NO.	47A	ENGINEER	TAEZEWELL	DATE	7/16
				TOTAL SHEETS	110



Note: All rivets 1" except as noted.
8 Rivets for bracing system.
Steel shown on this sheet noted (C) shall be Carbon A-36; steel noted (L) shall be Low-alloy A-441 and steel noted (M) shall be Low-alloy A-588.

DESIGNED	Fred Stone	EXAMINED	June 22, 1970
CHECKED	W. J. Stone	PASSED	
DRAWN	J. Muller	APPROVED	
CHECKED	GR		

TRUSS DETAILS
Lo-L3
PROJECT 1-47A-7(27)95
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT. 47A SEC. (70-90) SP. E. P.
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED	- SCS	REVISED	
CHECKED	- SEA	REVISED	
DRAWN	- SCS	REVISED	
CHECKED	- SEA	REVISED	

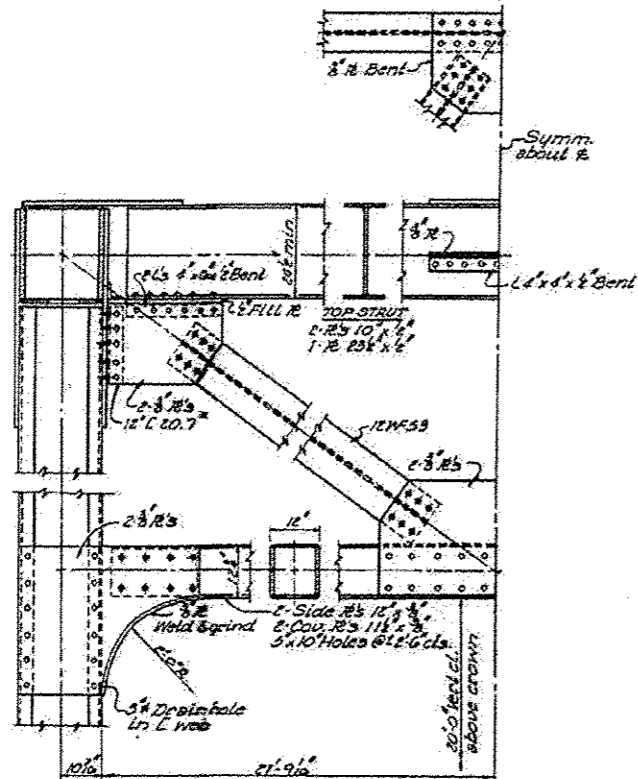
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
47A	(172.9015B)-3	PEORIA/TAZEWELL	93	60AM
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

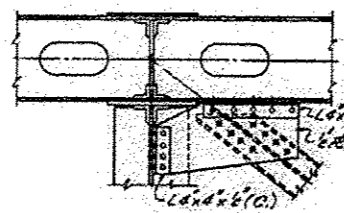
FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.901581)-3	PEORIA/TAZEWELL	93	60AN

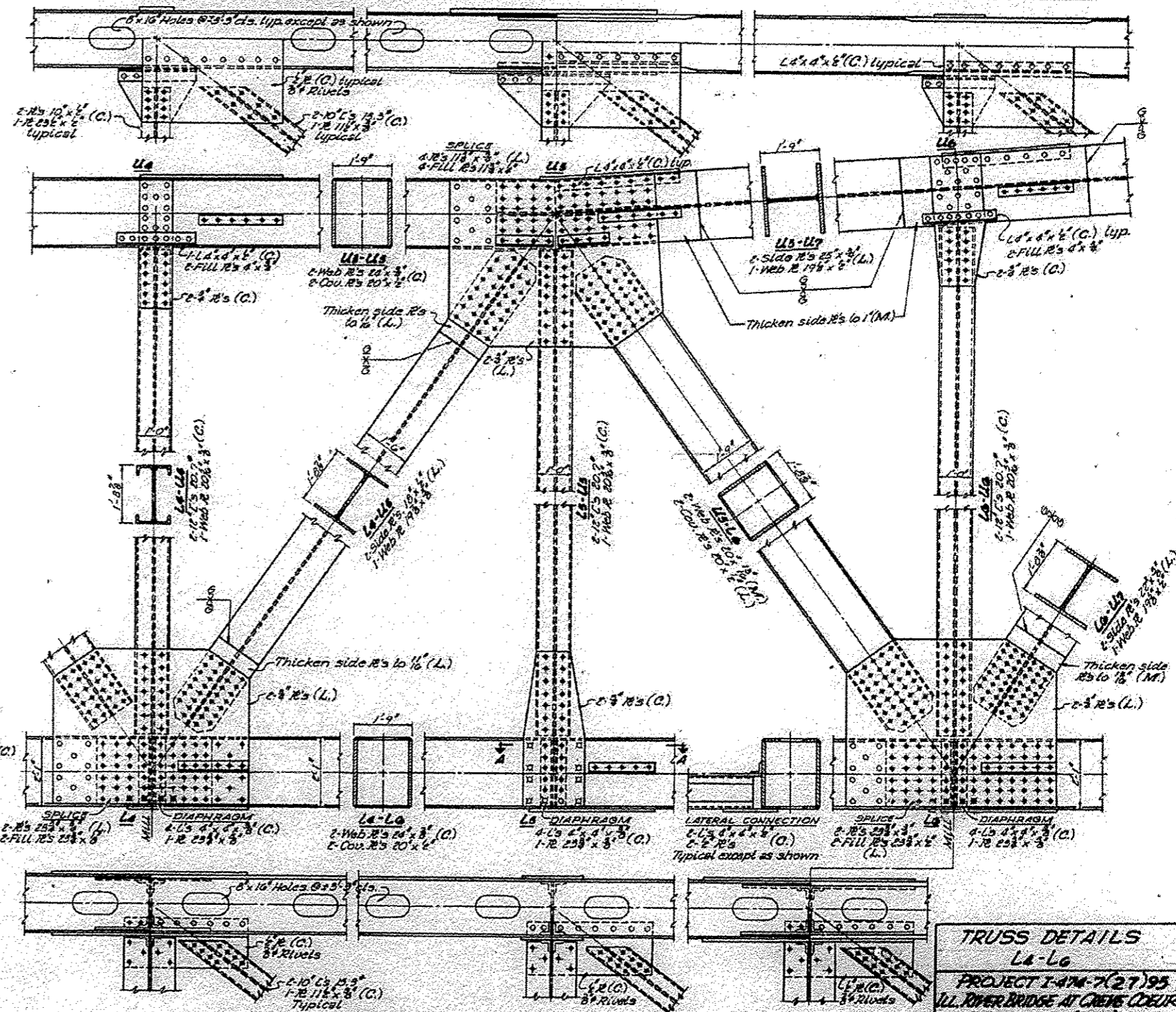


SWAY BRACE AT U3-U6-U7 ETC.
All steel shown in sway brace shall be Carbon A-36, 8" Rivets
For details of steel at U7 and U3, see sheet "10."



Note: All rivets 1" except as noted.
8" Rivets for bracing system.
Steel shown on this sheet noted (C)
shall be Carbon A-36, Steel noted (L)
shall be low-alloy steel and steel noted (M)
shall be low-alloy steel.

DESIGNED	Trid Alvar	EXAMINED	[Signature]
CHECKED	[Signature]	PASSED	[Signature]
DRAWN	J. Mullerix	APPROVED	[Signature]
CHECKED	[Signature]		



TRUSS DETAILS
L4-L6
PROJECT I-474-7(27)93
ILL. RIVER BRIDGE AT CRENS COEUR
F.A.I. RT. 474 SEC. (71-90) 544, P
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED	- SCS	REVISED	
CHECKED	- SEA	REVISED	
DRAWN	- SCS	REVISED	
CHECKED	- SEA	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

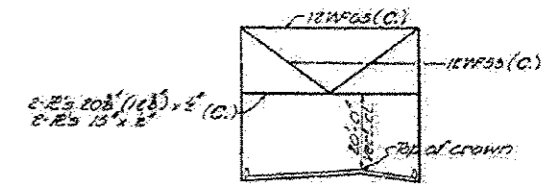
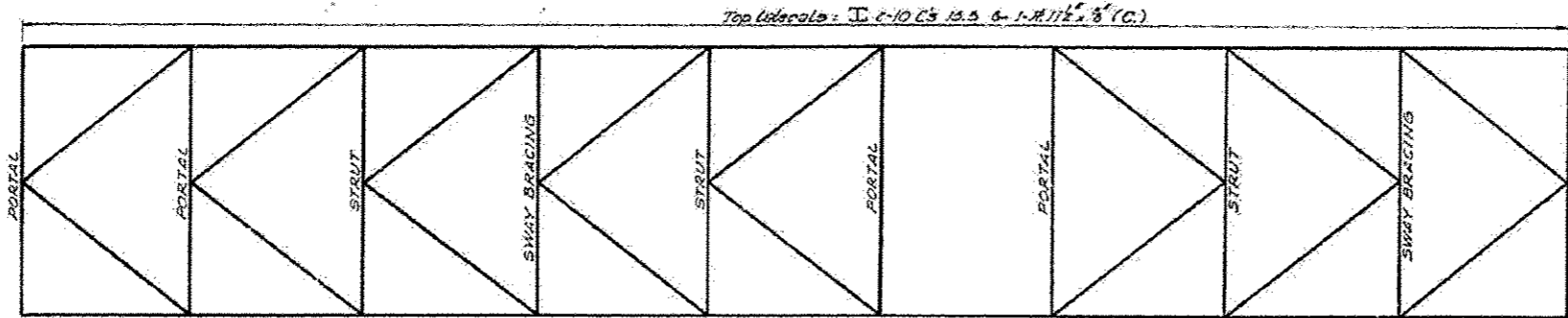
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.901581)-3	PEORIA/TAZEWELL	93	60AN
CONTRACT NO. 68B00				

ILLINOIS FED. AID PROJECT

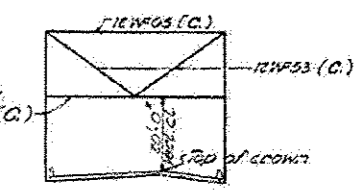
FOR INFORMATION ONLY – NOT TO SCALE

STATE OF ILLINOIS

PROJECT NO.	DATE	SHEET NO.	TOTAL SHEETS
F.A.I. 474	12/10/78	118	6
PEORIA TAZEWELL		118 SHEETS	



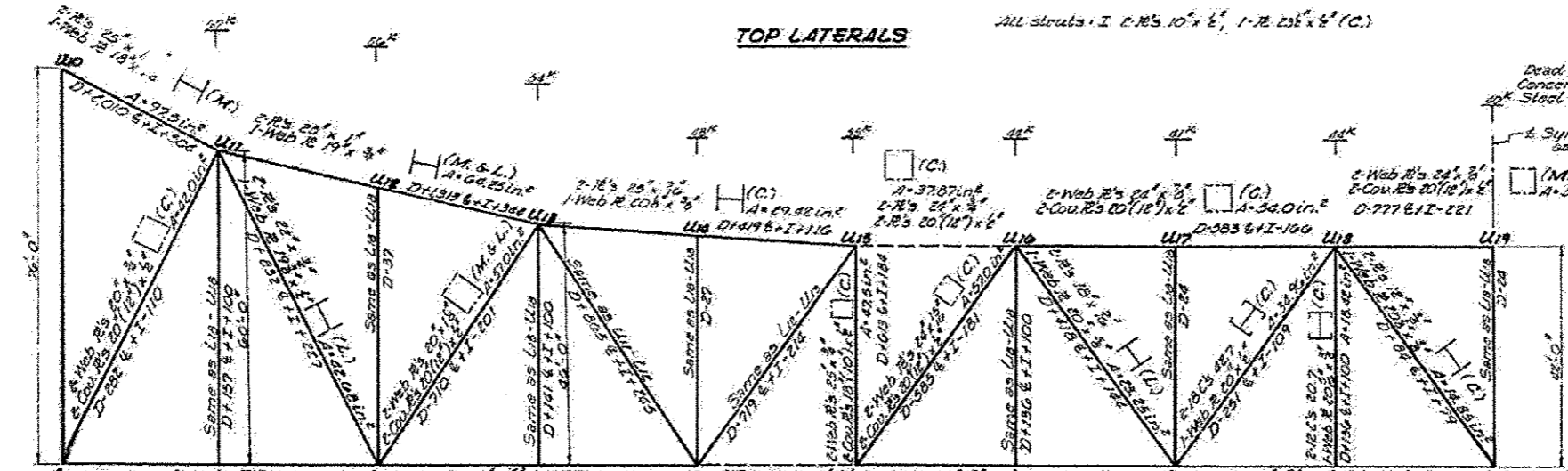
PORTAL U15-L14



PORTAL U10-L13

TOP LATERALS

All struts: 1 C.R's 10 1/2 x 2, 1-R 23 1/2 x 2 (C.)



Dead Load Concentrations Steel Only
 & Symm. except as noted
 (M & L)
 A-34.0 in²

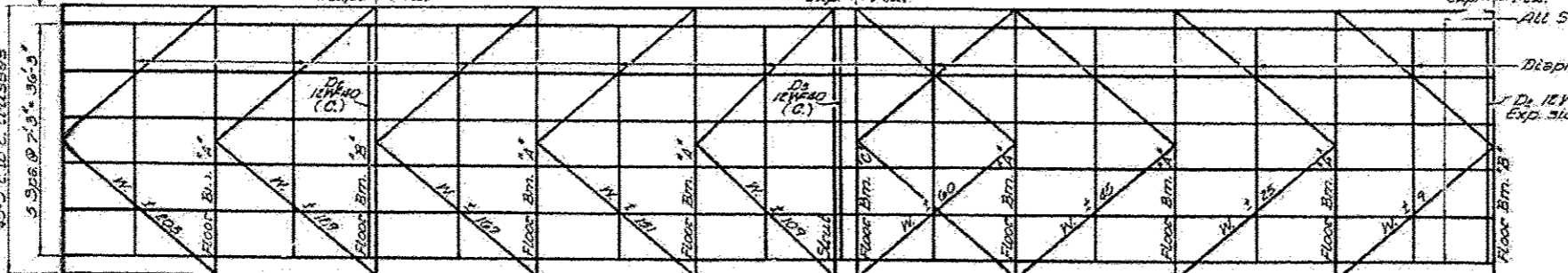
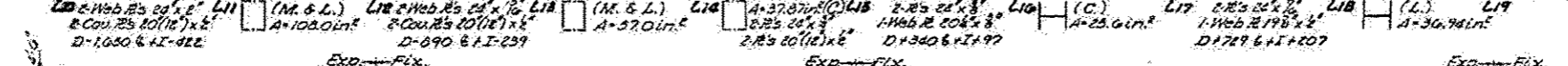


Plate girder floor beams, web 26 3/4" to 31" depth x 3/4" thickness & flange 18 x 14 (C.)
 9 Panels @ 30'-0" x 270'-0" horizontal

DESIGNED	June 23 1970	CANTILEVER ARM L10 TO U15
CHECKED		HALF SUSPENDED SPAN U15 TO L19
DRAWN		
CHECKED		

DESIGNED	June 23 1970	CANTILEVER ARM L10 TO U15
CHECKED		HALF SUSPENDED SPAN U15 TO L19
DRAWN		
CHECKED		

Dead Load, Live Load and Wind Stresses are given in kips.

Note:
 Steel shown on this sheet noted (C.) shall be Carbon A-36; Steel noted (L.) shall be low-alloy A-441, and Steel noted (M) shall be Low-alloy A-528.

STRESSES & MAKE UP
L10 - L19

PROJECT I-474-7()
 ILL. RIVER BRIDGE AT CREVE COEUR
 F.A.I. Rt. 474 SEC. (78-90) SP. 4, D
 PEORIA & TAZEWELL COUNTIES

1 SHEET ADDED 10-20-16

DESIGNED	- SCS	REVISED	
CHECKED	- SEA	REVISED	
DRAWN	- SCS	REVISED	
CHECKED	- SEA	REVISED	

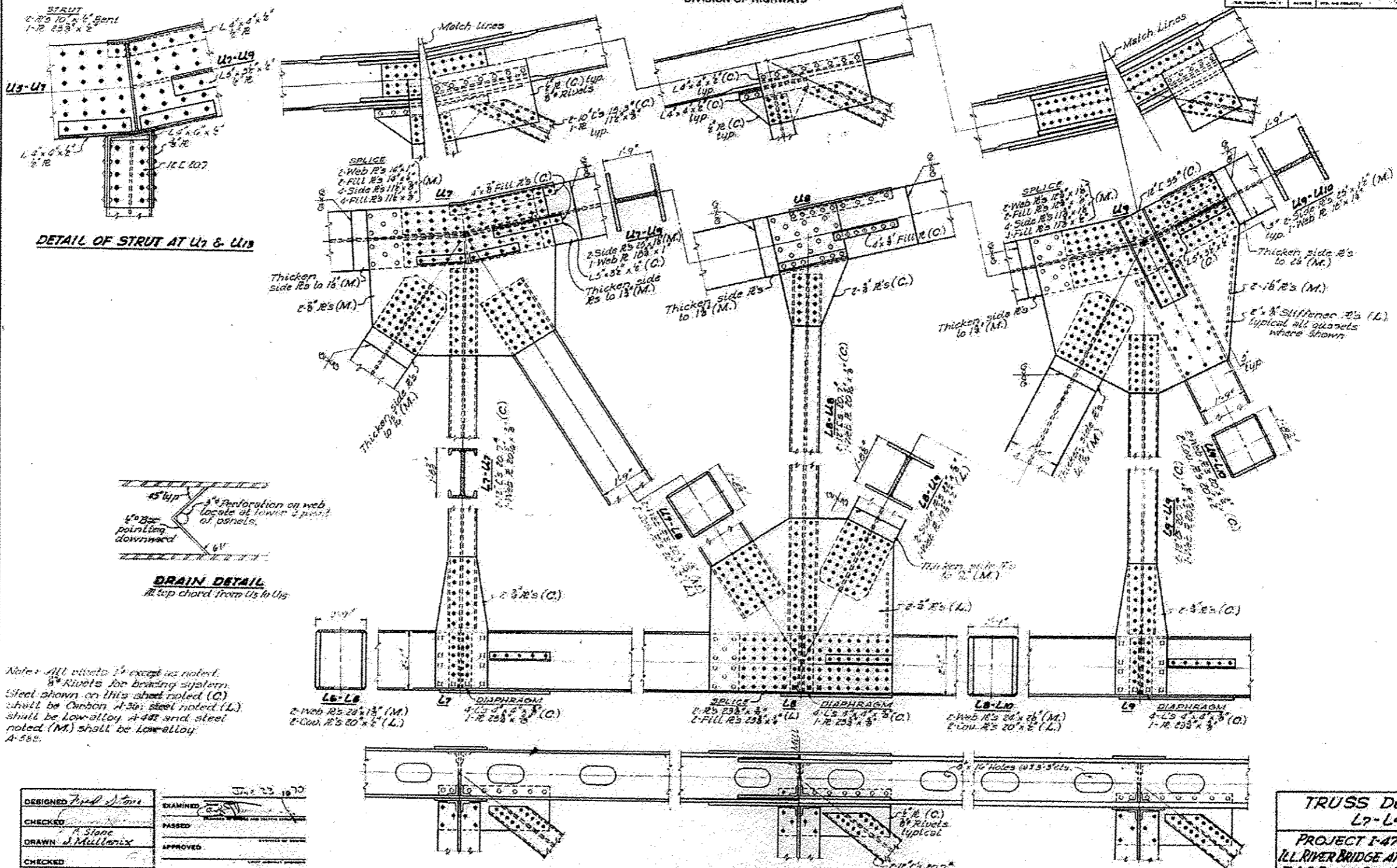
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WORKS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	E(72,9015BJ)-3	PEORIA/TAZEWELL	93	60C
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY – NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-474-7	S-4B	PEORIA	71	18
118 SHEETS				



Note: All rivets 3/4" except as noted.
8" Rivets for bracing system.
Steel shown on this sheet noted (C)
shall be Carbon A-36; steel noted (L)
shall be Low-alloy A-442 and steel
noted (M) shall be Low-alloy
A-588.

DESIGNED <i>Fred J. Stone</i> CHECKED <i>F. Stone</i> DRAWN <i>J. Muller</i> CHECKED	EXAMINED PASSED APPROVED JUN 23 1970
---	---

TRUSS DETAILS
L7-L9
PROJECT 1-474-7(27)95
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT. 474 SEC. (78-90) S.F.E., P
PEORIA & TAZEWELL COUNTIES

1 SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

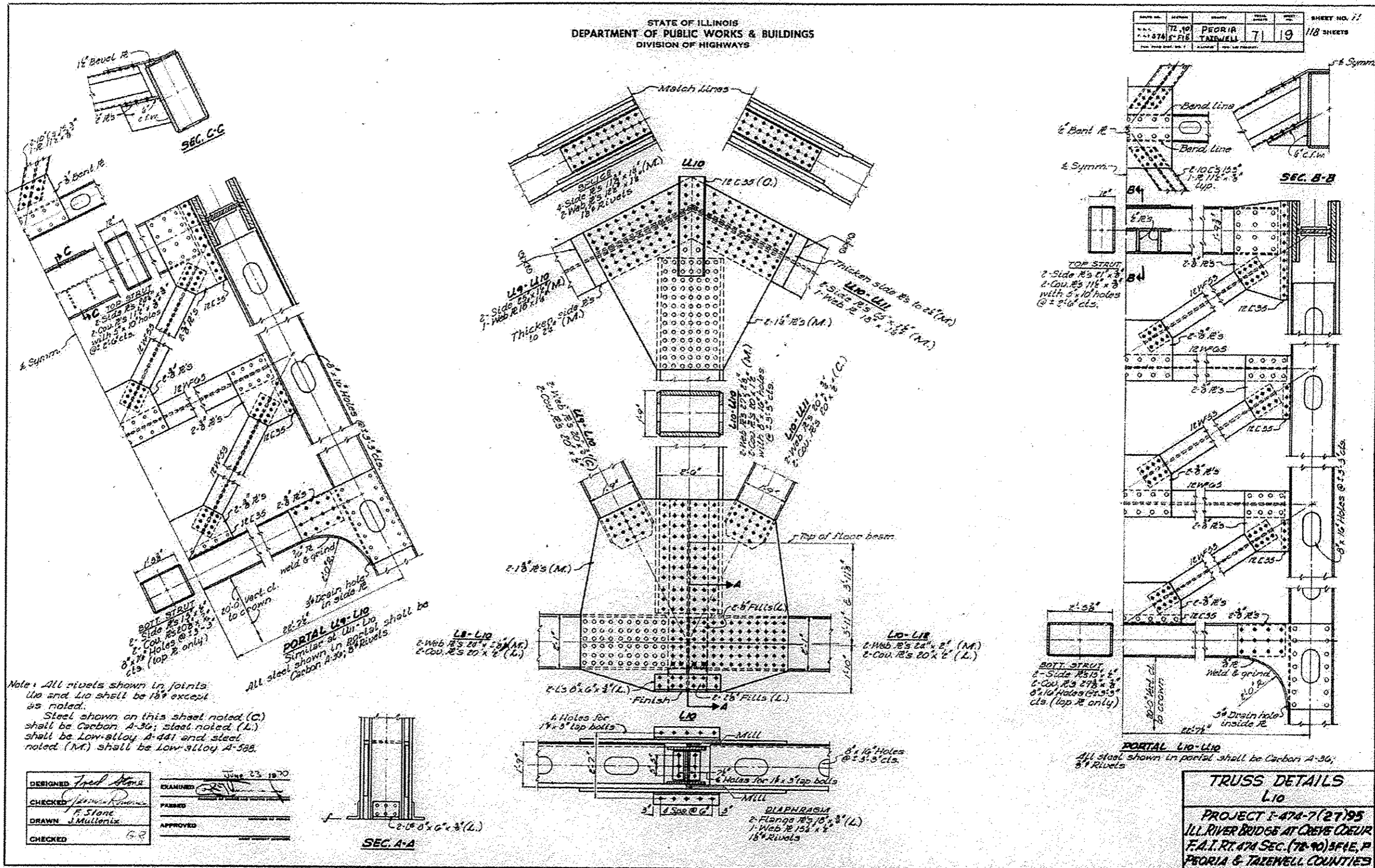
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172,90)SBI-3	PEORIA/TAZEWELL	93	60AP
CONTRACT NO. 68B00				
ILLINOIS FEO. AID PROJECT				

FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

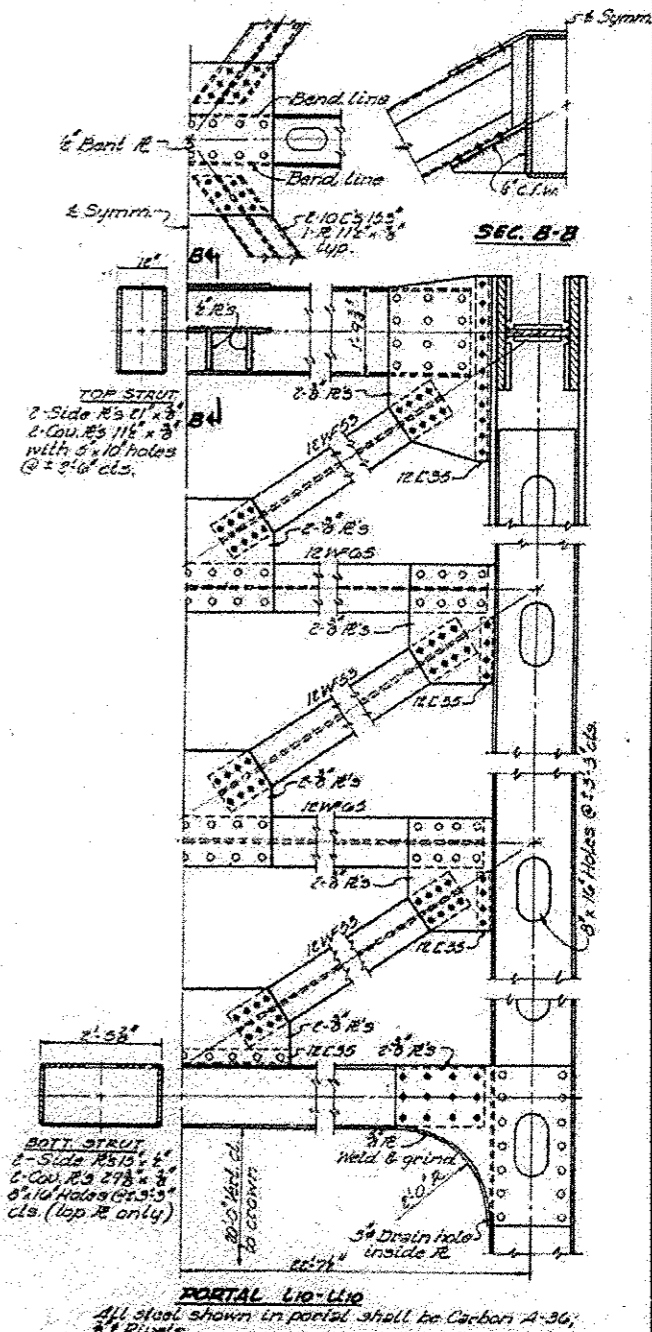
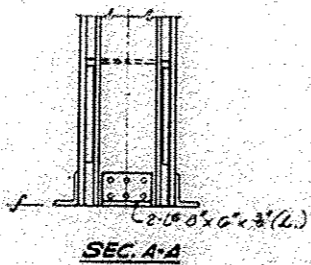
SHEET NO. 11	118 SHEETS
PROJECT NO. 172-10	PEORIA TAZEWELL
SECTION 574	7 19



Note: All rivets shown in joints L10 and L10 shall be 1 1/2" except as noted.

Steel shown on this sheet noted (C) shall be Carbon A-36; steel noted (L) shall be Low-alloy A-441 and steel noted (M) shall be Low-alloy A-588.

DESIGNED <i>Ted Stone</i>	EXAMINED <i>[Signature]</i>
CHECKED <i>[Signature]</i>	PASSED <i>[Signature]</i>
DRAWN <i>J. Mullerix</i>	APPROVED <i>[Signature]</i>
CHECKED <i>[Signature]</i>	DATE <i>June 23 1920</i>



TRUSS DETAILS
L10

PROJECT 1-474-7(21)95
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.T. RT. 474 SEC. (72-10) 574 E. P
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

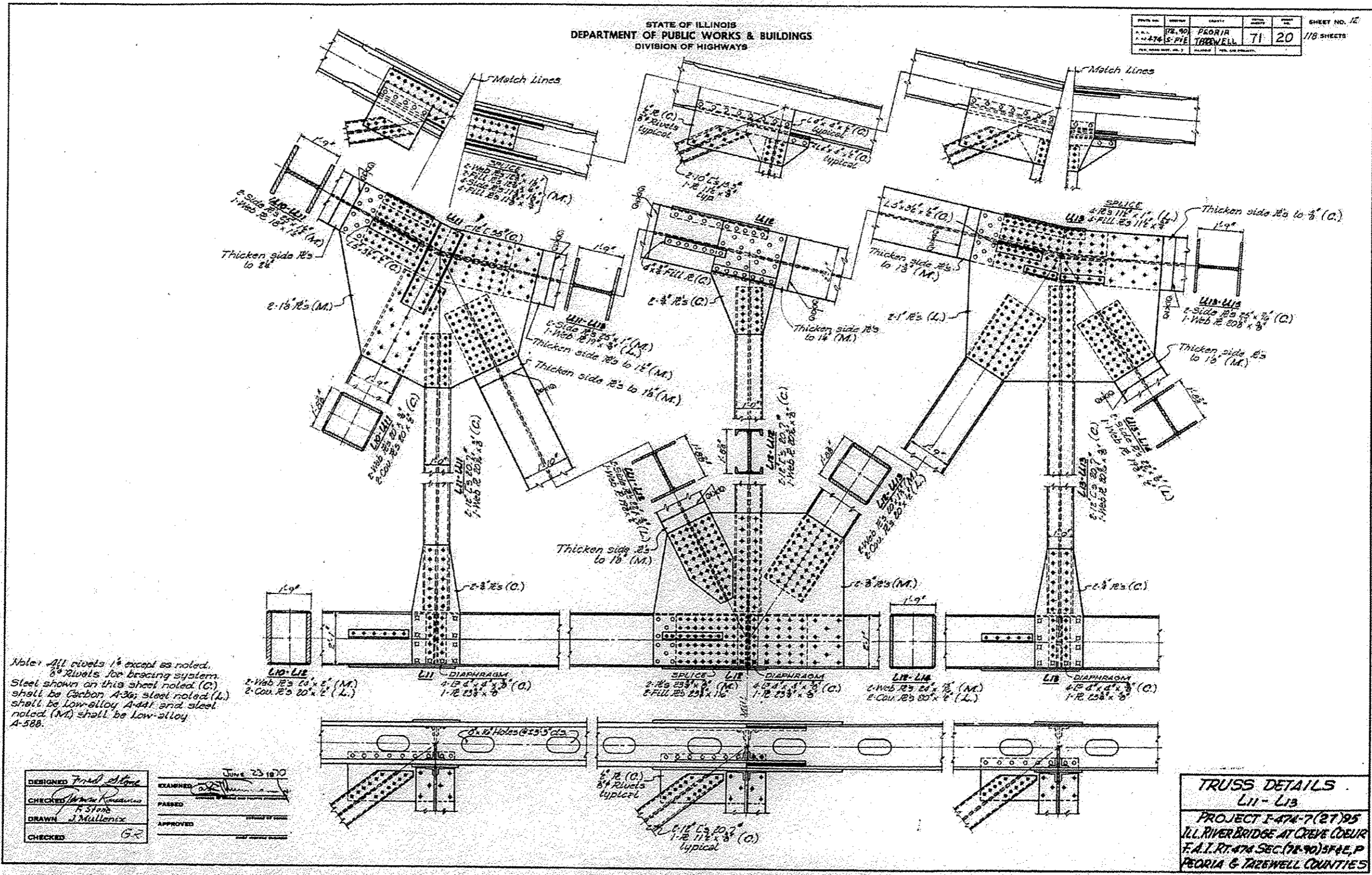
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.90158)I-3	PEORIA/TAZEWELL	93	6040
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	172.9015BJ-3	PEORIA	93	20



DESIGNED Fred Stone
CHECKED [Signature]
DRAWN J. Mullonix
CHECKED GR

EXAMINED [Signature] June 23 1970
PASSED [Signature]
APPROVED [Signature]

TRUSS DETAILS
L11 - L13
PROJECT I-474-7(2) 95
ILL. RIVER BRIDGE AT CREEK (DEUR
F.A.I.Rt. 474 SEC (78-90) 3rd P
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

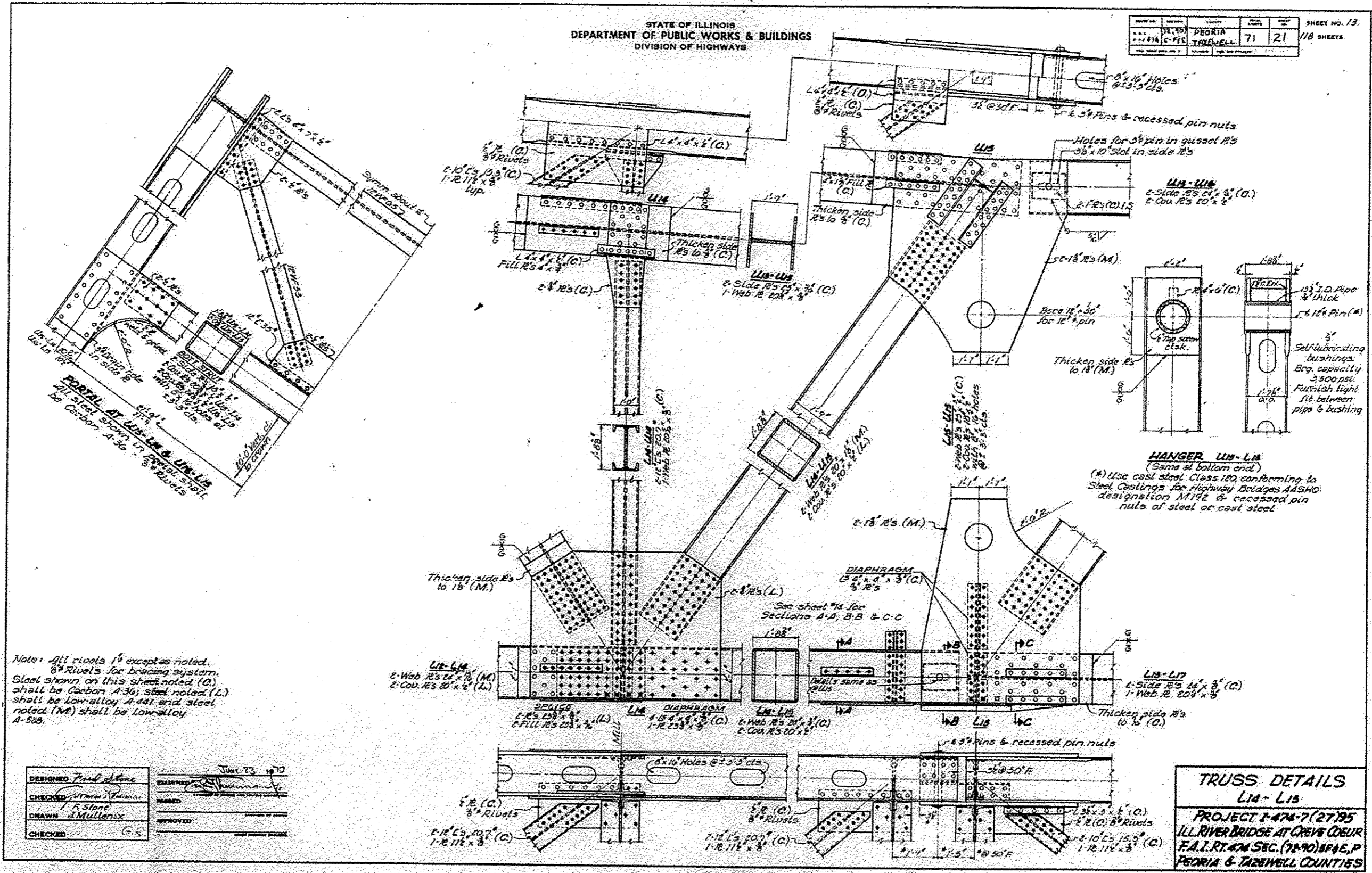
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.9015BJ)-3	PEORIA/TAZEWELL	93	60AR
CONTRACT NO. 68800				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.9015B)-3	PEORIA/TAZEWELL	93	60AS



Note: All rivets 1" except as noted.
8" Rivets for bracing system.
Steel shown on this sheet noted (C.) shall be Carbon A-36; steel noted (L.) shall be Lowalloy A-441 and steel noted (M) shall be Lowalloy A-588.

DESIGNED	TRM	DATE	JUN 23 1972
CHECKED	F. STONE	REVISION	
DRAWN	J. MULLANIX	REVISION	
CHECKED	G.K.	REVISION	

TRUSS DETAILS
L14 - L15
PROJECT 1-474-7(27)95
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT. 474 SEC. (7290) 1846, P
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

DESIGNED	SCS	REVISED	
CHECKED	SEA	REVISED	
DRAWN	SCS	REVISED	
CHECKED	SEA	REVISED	

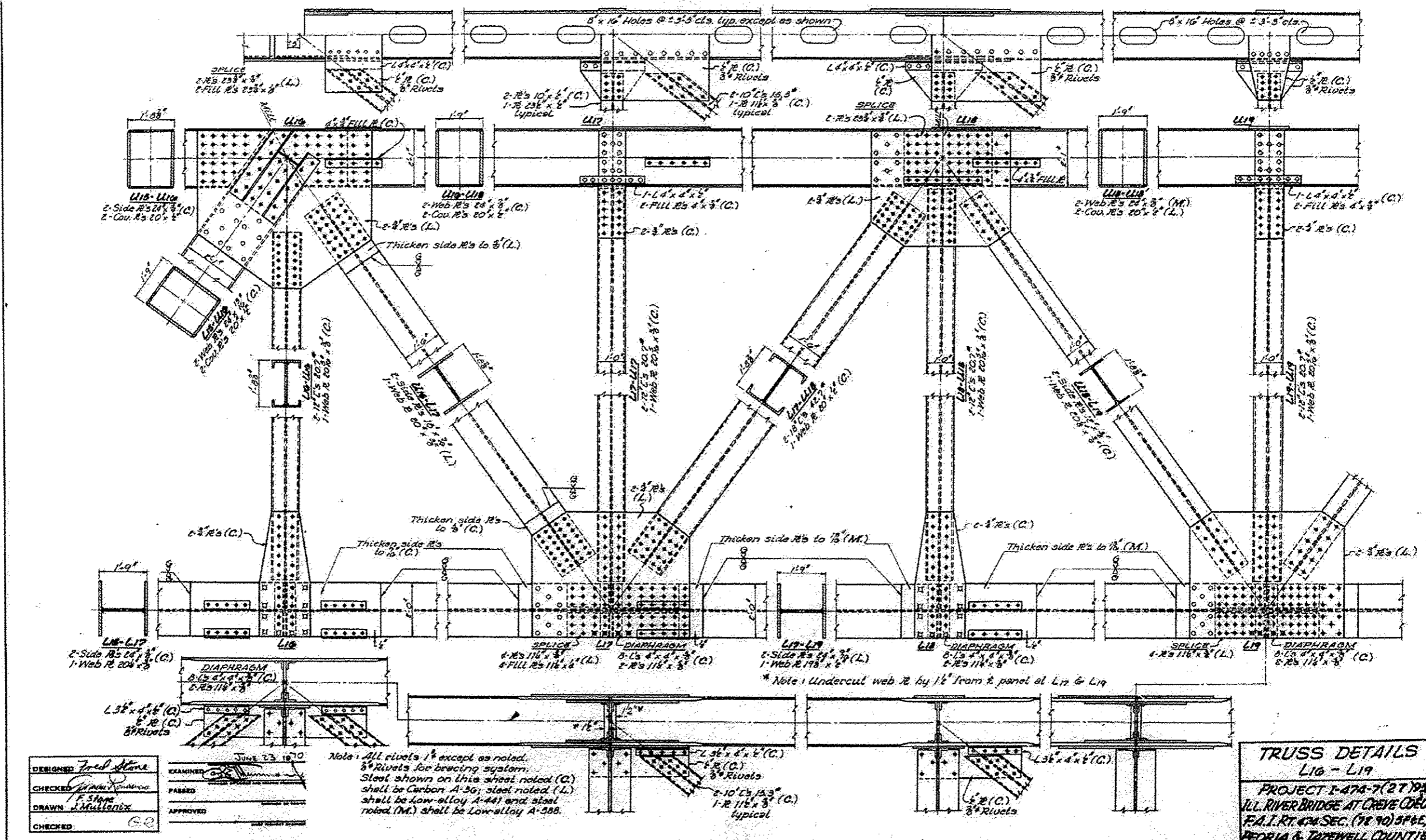
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172.9015B)-3	PEORIA/TAZEWELL	93	60AS
CONTRACT NO. 68800				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY - NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

DATE	72, 90	PROJECT	PEORIA	SHEET NO.	118
DATE	71, 23	SECTION	TAZEWELL	TOTAL SHEETS	118



DESIGNED	Fred Stone	EXAMINED	[Signature]
CHECKED	[Signature]	PASSED	[Signature]
DRAWN	F. Stone	APPROVED	[Signature]
CHECKED	[Signature]		

Note: All rivets 1/2" except as noted. 3/8" Rivets for bracing system. Steel shown on this sheet noted (C) shall be Carbon A-50; steel noted (L) shall be Low-alloy A-44 and steel noted (M) shall be Low-alloy A-388.

TRUSS DETAILS
L16 - L19
PROJECT 1-474-7(27)95
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT. 474 SEC. (78 90) 3P&EP
PEORIA & TAZEWELL COUNTIES

▲ SHEET ADDED 10-20-16

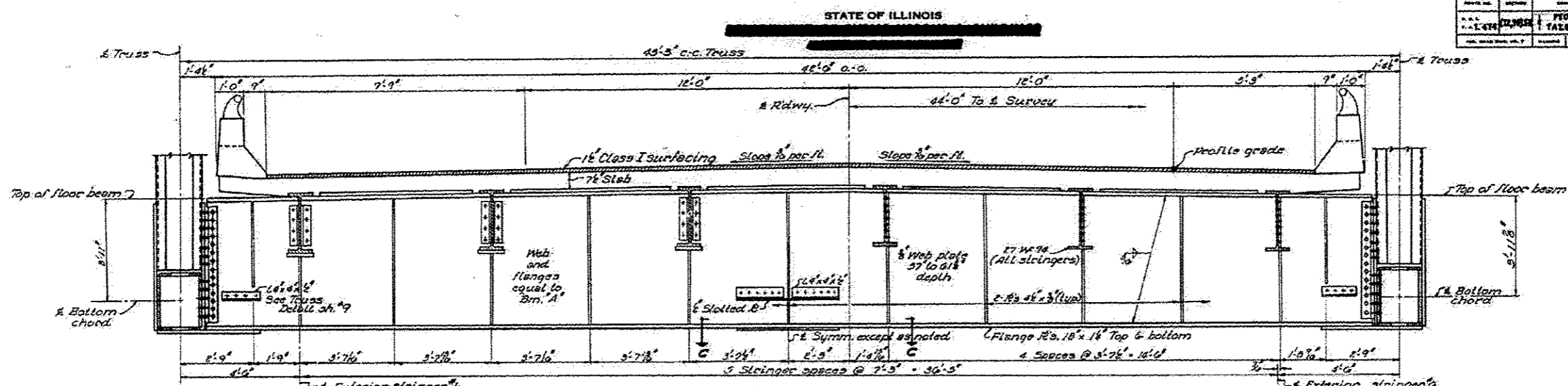
DESIGNED	- SCS	REVISED	
CHECKED	- SEA	REVISED	
DRAWN	- SCS	REVISED	
CHECKED	- SEA	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172,90)5B11-3	PEORIA/TAZEWELL	93	60AU
			CONTRACT NO. 68800	
ILLINOIS FED. AID PROJECT				

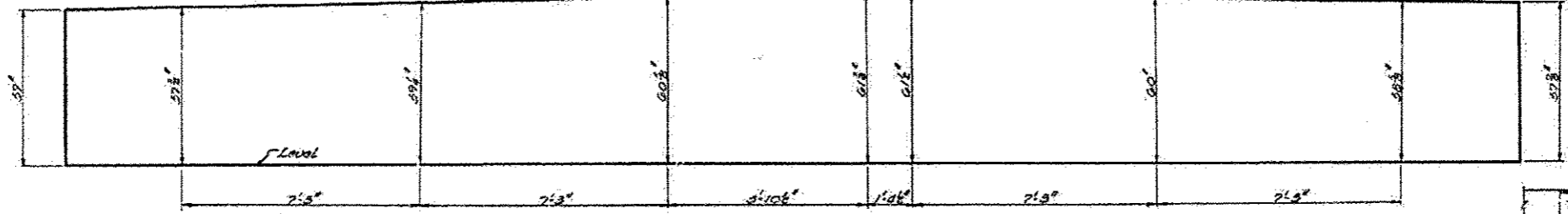
FOR INFORMATION ONLY - NOT TO SCALE

DESIGNED BY	PEORIA & TAZEWELL	DATE	1970	SHEET NO.	6
CHECKED BY	F. STONE			TOTAL SHEETS	118
DRAWN BY	J. MULLINIX				
CHECKED BY	G.R.				

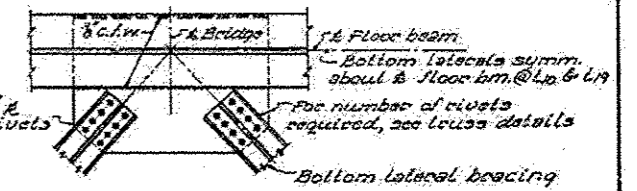


HALF ELEVATION INTERMEDIATE FLOOR BEAM "B"
 Showing expansion side @ L₂, L₃, L₄, L₅, L₆, L₇ & L₈
 Opposite side equal to floor beam "A"

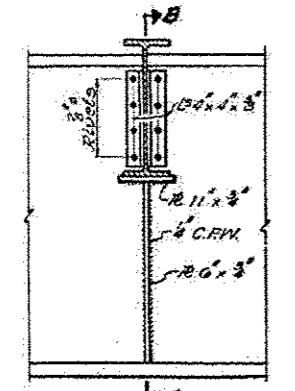
HALF ELEVATION INTERMEDIATE FLOOR BEAM "A"
 45'-0" to & Survey



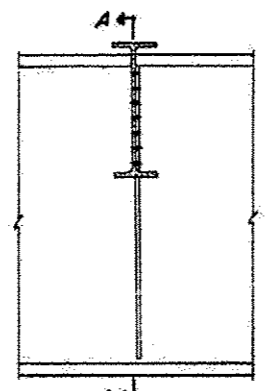
WEB PLATE OFFSETS CAMBERED FOR CROWN & DEAD LOAD DEFLECTIONS



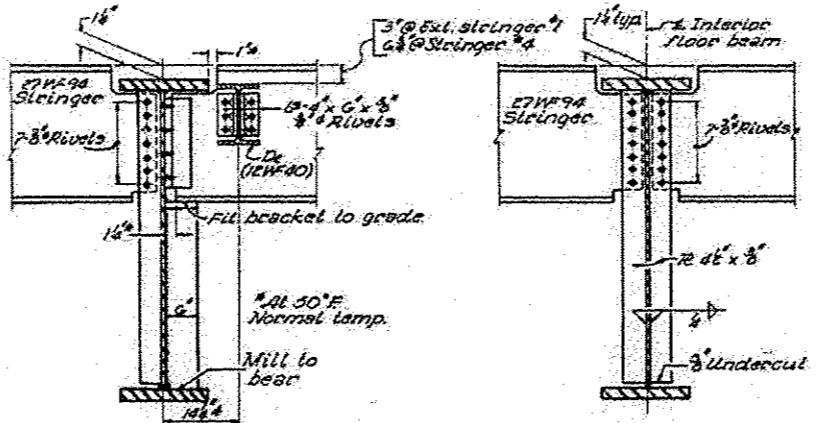
SEC. C-C



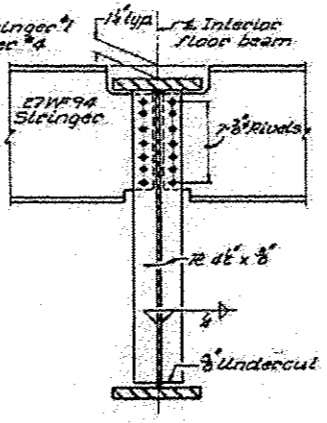
STRINGER CONNECTION AT FLOOR BEAM "B"



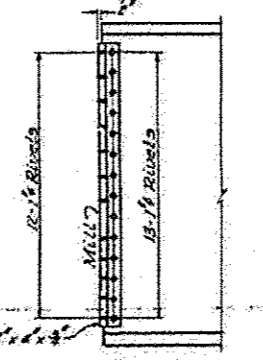
STRINGER CONNECTION AT FLOOR BEAM "A"



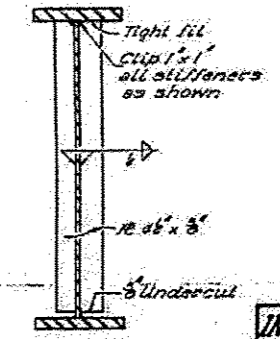
SECTION B-B



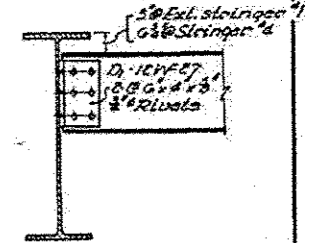
SECTION A-A



INTERMEDIATE FLOOR BEAM CONNECTION



INTERMEDIATE STIFFENER



DIAPHRAGM "D"
 See sheets 4 & 5

Note: All steel shown on this sheet shall be carbon steel A-36 except as noted.

DESIGNED	Fred Stone	EXAMINED	[Signature]
CHECKED	[Signature]	PASSED	[Signature]
DRAWN	F. Stone	APPROVED	[Signature]
CHECKED	G.R.		

INTERIOR FLOOR BEAMS A & B
 PROJECT I-474-7()
 ILL. RIVER BRIDGE AT CREVE COEUR
 F.A.I. RT. 474 SEC. (98-90) PEORIA & TAZEWELL COUNTIES

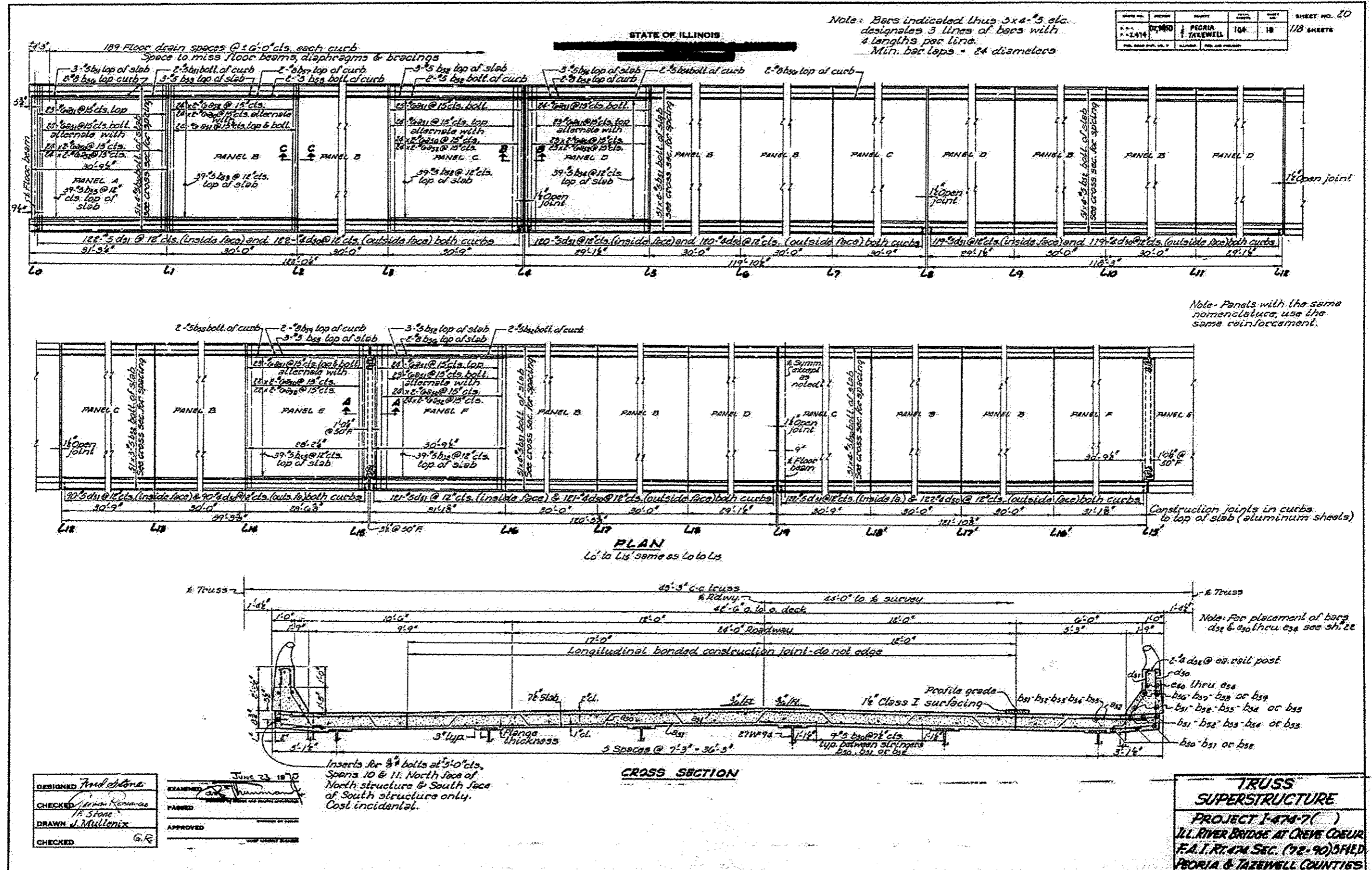
▲ SHEET ADDED 10-20-16

DESIGNED	- SCS	REVISED	
CHECKED	- SEA	REVISED	
DRAWN	- SCS	REVISED	
CHECKED	- SEA	REVISED	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WORKS**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(172,9015B)-3	PEORIA/TAZEWELL	93	600
CONTRACT NO. 68B00				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY – NOT TO SCALE



DESIGNED *And Stone*
 CHECKED *John Romanas*
 DRAWN *J. Muller*
 CHECKED *G.R.*

EXAMINED *John Romanas*
 PASSED
 APPROVED

June 23 1970

Inserts for 3/4" bolts at 5'-0" cts. Spans 10 & 11. North face of North structure & South face of South structure only. Cost incidental.

DESIGNED	SCS	REVISED
CHECKED	SEA	REVISED
DRAWN	SCS	REVISED
CHECKED	SEA	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WATERS

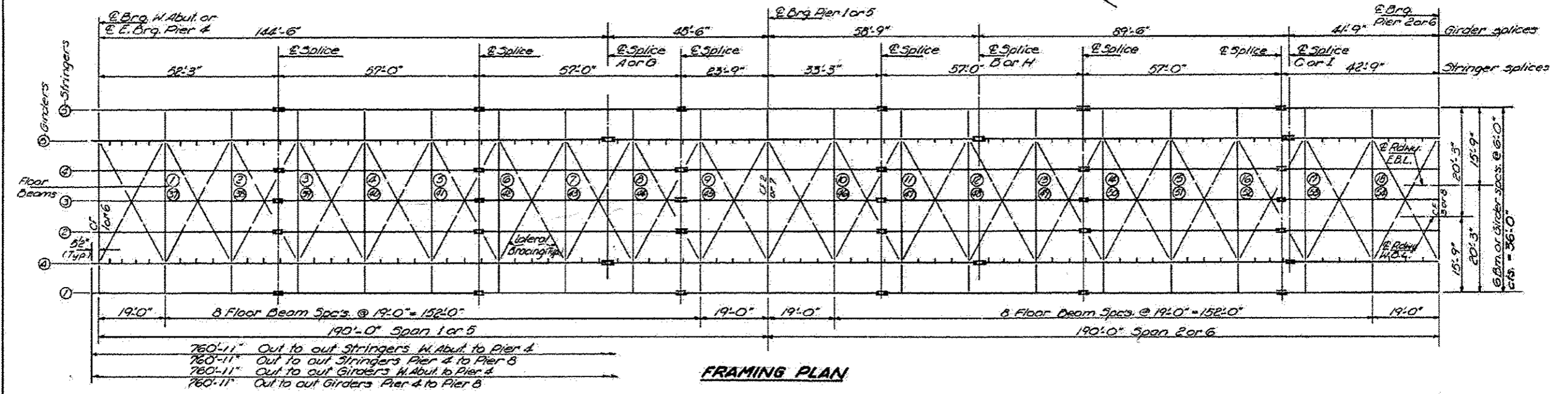
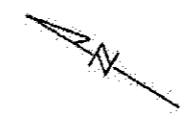
F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS
474	(172,9015)J1-3	PEORIA/TAZEWELL	93
			600
CONTRACT NO. 68800			
ILLINOIS FED. AID PROJECT			

SHEET ADDED 10-20-16

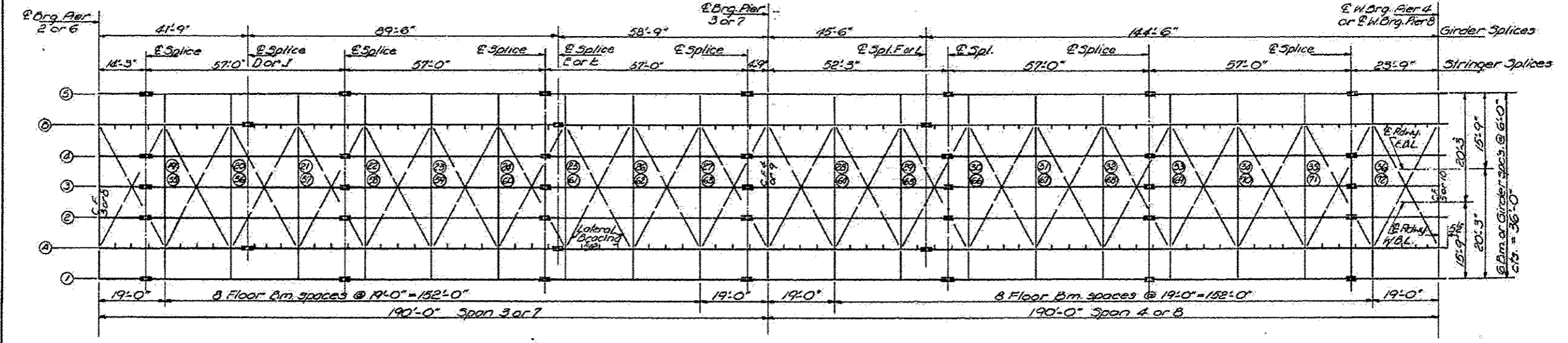
FOR INFORMATION ONLY – NOT TO SCALE

SHEET NO. 23	
NO. 474	118 SHEETS

STATE OF ILLINOIS



FRAMING PLAN



FRAMING PLAN

DESIGNED <i>[Signature]</i>	EXAMINED <i>[Signature]</i>
CHECKED <i>[Signature]</i>	PASSED
DRAWN <i>[Signature]</i>	APPROVED
CHECKED <i>[Signature]</i>	

STRUCTURAL STEEL PLAN
SPANS 1 THRU 8
ILL. RIVER BRIDGE AT CREVE COEUR
FA I. RT. 474 SEC. (72-90) 5 F&E P.
PEORIA & TAZEWELL COUNTIES

1 SHEET ADDED 10-20-16

DESIGNED - SCS	REVISED
CHECKED - SEA	REVISED
DRAWN - SCS	REVISED
CHECKED - SEA	REVISED

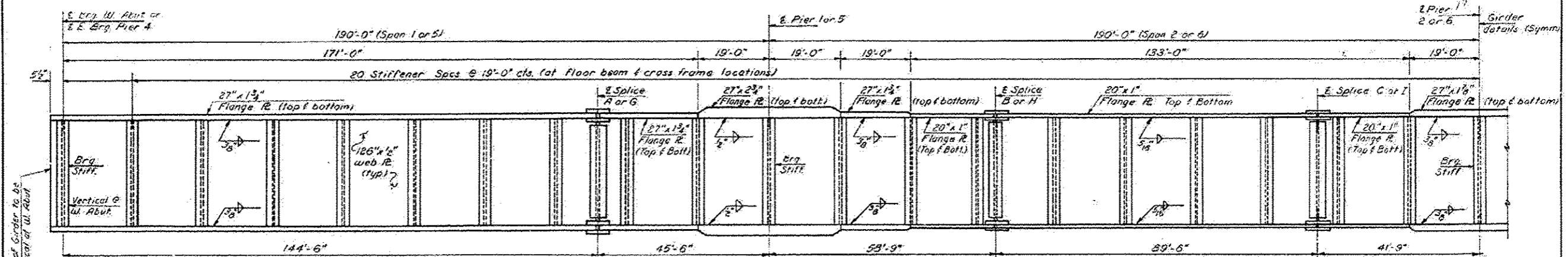
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PUBLIC WORKS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	[(172,90)5B]-3	PEORIA/TAZEWELL	93	60H
CONTRACT NO. 68800				
ILLINOIS FED. AID PROJECT				

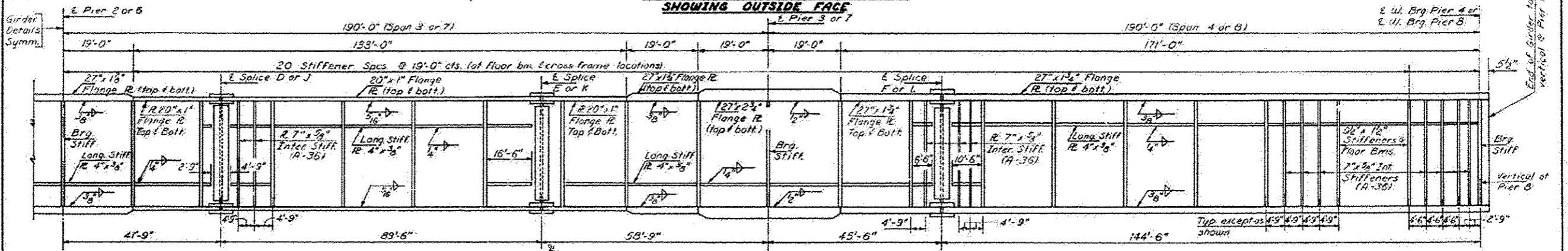
FOR INFORMATION ONLY – NOT TO SCALE

SHEET NO. 25	
NO. SHEETS	118 SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS



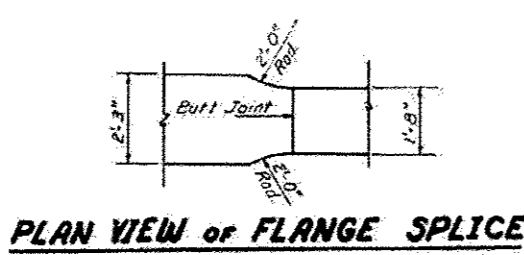
**HALF GIRDER ELEVATION
SHOWING OUTSIDE FACE**



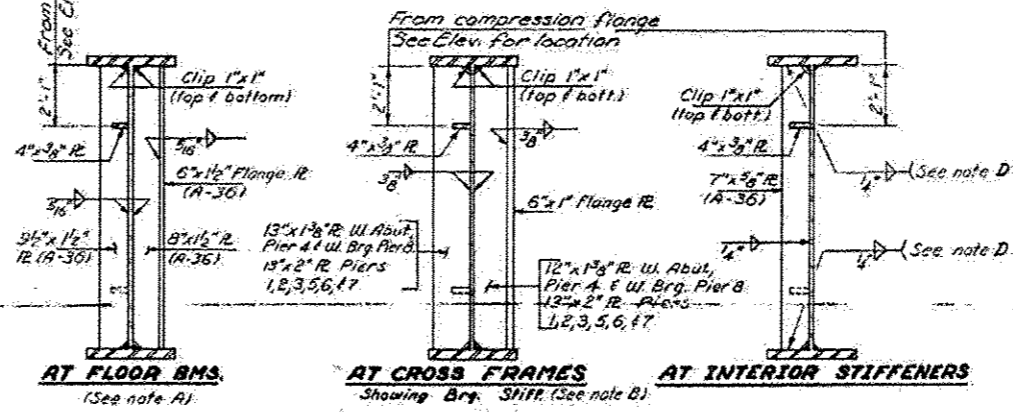
**HALF GIRDER ELEVATION
SHOWING INSIDE FACE**

All dimensions shown are horizontal and along bottom flange. All stiffeners shall be perpendicular to flanges except as shown.

- NOTES:**
- A) Stiffeners at floor bms. between splices A-B, C-D, E-F, G-H, I-J, & K-L shall be tight fit bottom flange & 5/8" undercut top flange. Stiffeners at floor bms. at all other locations shall be tight fit top flange and 5/8" undercut bottom flange.
 - B) All bearing stiffeners shall be tight fit top flange and milled to bear bottom flange.
 - C) All structural steel shall conform to ASTM A-536 except as noted.
 - D) 7" x 5" interior stiffeners between splices A-B, C-D, E-F, I-J, and K-L shall be welded to the bottom flange and 5/8" undercut top flange. 7" x 5" interior stiffeners at all other locations shall be welded to the top flange and 5/8" undercut bottom flange.



PLAN VIEW OF FLANGE SPLICE



CROSS SECTIONS

DESIGNED	<i>James M. Barber</i>	EXAMINED	<i>James M. Barber</i>
CHECKED	<i>James M. Barber</i>	PASSED	
DRAWN	<i>James M. Barber</i>	APPROVED	
CHECKED	<i>B</i>		

**STRUCTURAL STEEL DETAILS
SPANS 1 THRU 8
ILL. RIVER BRIDGE AT CREVE COEUR
F.A.I. RT. 474 SEC. (72-90) 5F&D/P
PEORIA & TAZEWELL COUNTIES**

▲ SHEET ADDED 10-20-16

DESIGNED	SCS	REVISED	
CHECKED	SEA	REVISED	
DRAWN	SCS	REVISED	
CHECKED	SEA	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PUBLIC WORKS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-90)5B1-3	PEORIA/TAZEWELL	93	601
CONTRACT NO. 68800				
ILLINOIS FED. AID PROJECT				