

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAI-74

REVISION	BY	DATE	TOTAL	SHEET
5	108	REG. &	88	1
	108	TAZEWELL	88	
PROJECT 1-05-4(2)				

SCALES
 PLAN 1 INCH = 120 FT
 PROFILE HOR 1 INCH = 120 FT
 PROFILE VERT 1 INCH = 120 FT
 SHEETS 2 TO 8 8 1/2 INCH = 1 FT
 SHEETS 9 TO 11 14 INCH = 1 FT

FAI-74

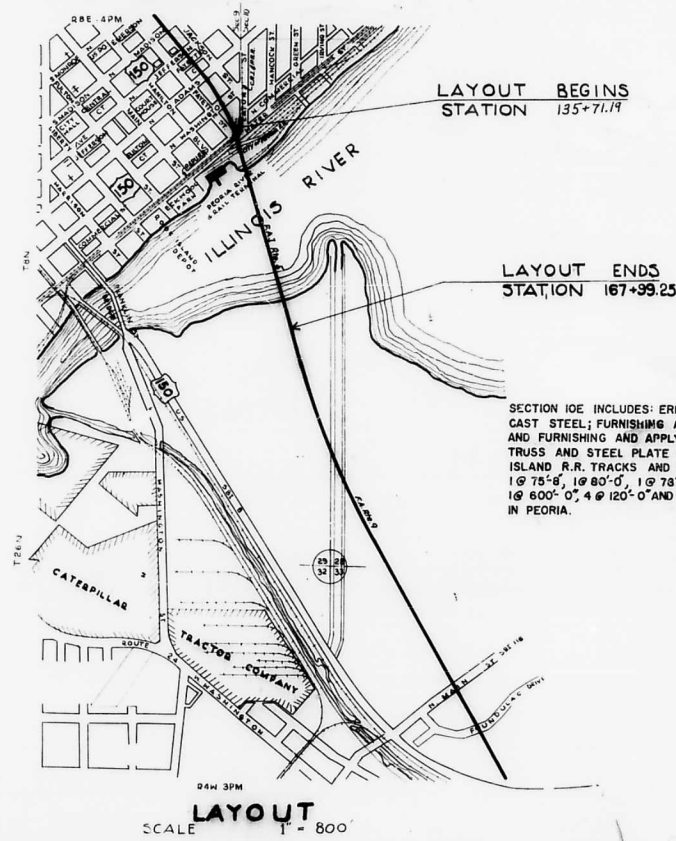
F.A.I. ROUTE 5 - SECTION 10E, D.P. PEORIA & TAZEWELL COUNTIES
PROJECT 1-05-4(2)



SECTION 10D INCLUDES: THE R.C. ROADWAY SLAB AND CURBS, THE WINGWALLS AT THE ABUTMENTS, AND APPROACH ROADWAY SLABS FOR A 14-SPAN STEEL TRUSS AND PLATE GIRDER BRIDGE (OVER ILLINOIS RIVER, ROCK ISLAND R.R. TRACKS AND WASHINGTON STREET RELOCATION) SPANS, 1@ 75'-8", 1@ 80'-0", 1@ 78'-4", 1@ 79'-8", 2@ 420'-0", 2@ 450'-0", 1@ 600'-0", 4@ 120'-0" AND 1@ 73'-0" AT JACKSON-FAYETTE STREETS IN PEORIA.

SECTION 10P INCLUDES: THE CLEANING OF METAL SURFACES AND FURNISHING AND APPLYING THE FIELD COATS OF PAINT FOR THE STRUCTURAL STEEL (INCLUDING METAL HANDRAIL) CAST STEEL AND THE EXPOSED METAL SURFACES OF THE OPEN STEEL FLOORS OF A 14-SPAN STEEL TRUSS AND PLATE GIRDER BRIDGE (OVER ILLINOIS RIVER, ROCK ISLAND R.R. TRACKS AND WASHINGTON STREET RELOCATION) SPANS, 1@ 75'-8", 1@ 80'-0", 1@ 78'-4", 1@ 79'-8", 2@ 420'-0", 2@ 450'-0", 1@ 600'-0", 4@ 120'-0" AND 1@ 73'-0" AT JACKSON-FAYETTE STREETS IN PEORIA.

SECTION 10L INCLUDES: LIGHTING SYSTEM FOR A 14-SPAN STEEL TRUSS AND STEEL PLATE GIRDER BRIDGE (OVER ILLINOIS RIVER, ROCK ISLAND R.R. TRACKS AND WASHINGTON STREET RELOCATED) SPANS, 1@ 75'-8", 1@ 80'-0", 1@ 78'-4", 1@ 79'-8", 2@ 420'-0", 2@ 450'-0", 1@ 600'-0", 4@ 120'-0" AND 1@ 73'-0" AT JACKSON-FAYETTE STREETS IN PEORIA.



SECTION 10E INCLUDES: ERECTING OF ALL STRUCTURAL STEEL AND CAST STEEL; FURNISHING AND ERECTING OF THE OPEN STEEL FLOOR, AND FURNISHING AND APPLYING OF SPOT PAINT FOR A 14-SPAN STEEL TRUSS AND STEEL PLATE GIRDER BRIDGE (OVER ILLINOIS RIVER, ROCK ISLAND R.R. TRACKS AND WASHINGTON STREET RELOCATION) SPANS, 1@ 75'-8", 1@ 80'-0", 1@ 78'-4", 1@ 79'-8", 2@ 420'-0", 2@ 450'-0", 1@ 600'-0", 4@ 120'-0" AND 1@ 73'-0" AT JACKSON-FAYETTE STREETS IN PEORIA.

STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS AND BUILDINGS DIVISION OF HIGHWAYS	
DESIGNED	Jan. 24, 1958 J.D. Mathison
EXAMINED	Feb. 10, 1958 C. J. [Signature]
APPROVED	Feb. 10, 1958 [Signature]
APPROVED	Feb. 10, 1958 [Signature]

SPECIAL COVER SHEET
FOR FEDERAL PROJECT

DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
APPROVED	
DISTRICT ENGINEER	DATE

STATE OF ILLINOIS

DEPARTMENT OF PUBLIC WORKS AND BUILDINGS

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

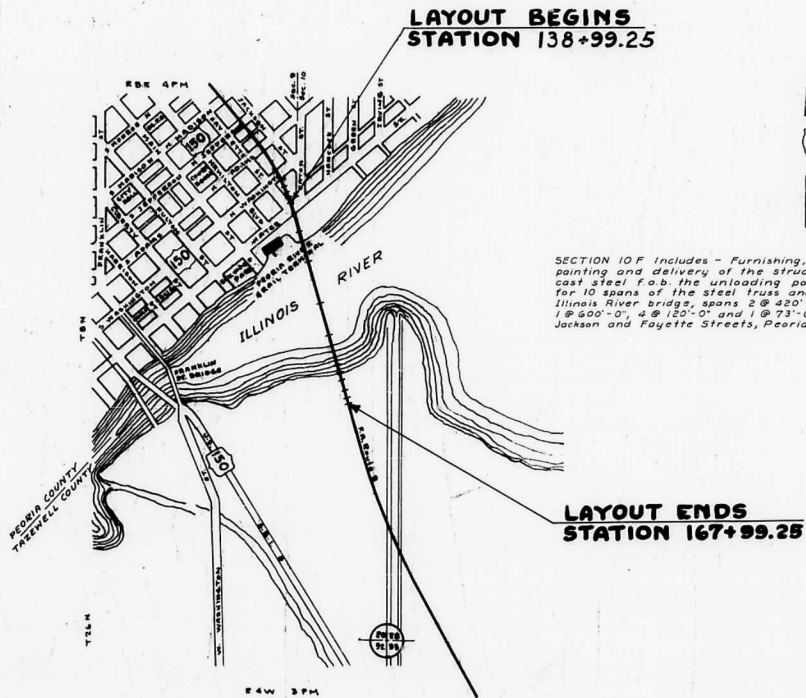
FEDERAL AID DISTRICT NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
9	10F	PEORIA TAZEWELL	37	1
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT	UI-48 (1)	

PLAN 1 INCH
 PROFILE HOR. 1 INCH
 PROFILE VERT. 1 INCH

F.A. ROUTE 9 - SECTION 10F PEORIA & TAZEWELL COUNTIES PROJECT UI-48 (1)



LOCATION OF SECTION INDICATED THUS:—



LAYOUT BEGINS
STATION 138+99.25

SECTION 10F includes - Furnishing, fabricating, shop painting and delivery of the structural steel and cast steel F.o.b. the unloading point at Peoria for 10 spans of the steel truss and plate girder Illinois River bridge, spans 2 @ 420'-0", 2 @ 450'-0", 1 @ 500'-0", 4 @ 120'-0" and 1 @ 73'-0" (c.c. brgs), near Jackson and Fayette Streets, Peoria

LAYOUT ENDS
STATION 167+99.25

LAYOUT
SCALE 1"=800'

STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS AND BUILDINGS DIVISION OF HIGHWAYS	
SUBMITTED	July 8 1955
J. D. Mallison DISTRICT ENGINEER	
EXAMINED	July 11 1955
R. J. [Signature] DISTRICT ENGINEER	
PASSED	July 14 1955
[Signature] DISTRICT ENGINEER	
APPROVED	July 14 1955
R. J. [Signature] DISTRICT ENGINEER	
APPROVED	July 14 1955
[Signature] DISTRICT ENGINEER	

DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
APPROVED	
DISTRICT ENGINEER	DATE

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAI-74

FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET
9	10F	PEORIA TAZEWELL	37	1
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT	UI-48 (II)	

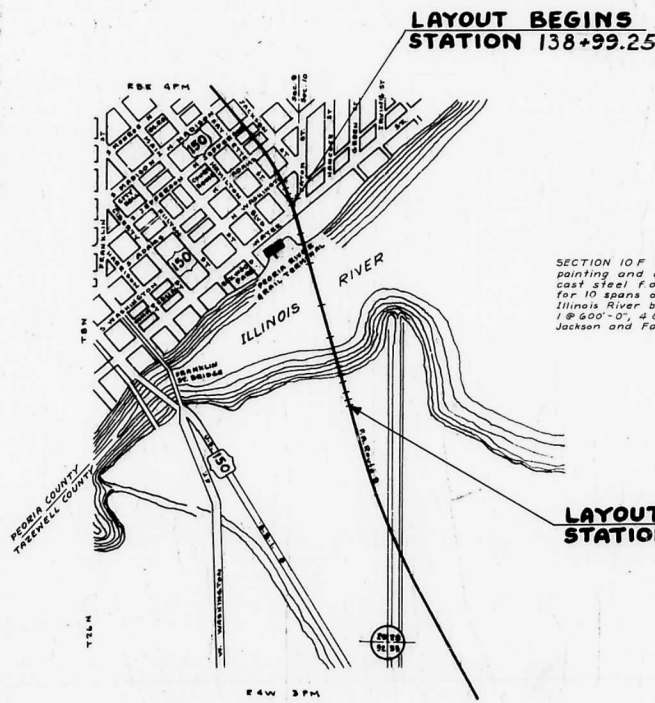
PLAN 1 INCH
 PROFILE HOR. 1 INCH
 PROFILE VERT. 1 INCH

FAI-74

F.A. ROUTE 9 - SECTION 10F PEORIA & TAZEWELL COUNTIES
PROJECT UI-48 (II)



LOCATION OF SECTION INDICATED THUS: -



SECTION 10F Includes - Furnishing, fabricating, shop painting and delivery of the structural steel and cast steel f.o.b. the unloading point at Peoria for 10 spans of the steel truss and plate girder. Illinois River bridge, spans 2 @ 420'-0", 2 @ 450'-0", 1 @ 600'-0", 4 @ 120'-0" and 1 @ 73'-0" (c.c. brgs.) near Jackson and Fayette Streets, Peoria

LAYOUT ENDS
STATION 167+99.25

LAYOUT
 SCALE 1" = 800'

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

SUBMITTED July 8 J. D. Mattison
 DISTRICT ENGINEER

EXAMINED July 11 1955
 ENGINEER OF PUBLIC WORKS AND BUILDINGS

PAID July 12 1955
 CHIEF CLERK

APPROVED July 14 1955
 DISTRICT ENGINEER

APPROVED July 14 1955
 DISTRICT ENGINEER

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS

APPROVED [Signature]
 DISTRICT ENGINEER

DATE [Blank]

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS
 PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY

FAI-74

10F-1 13

FAI-74

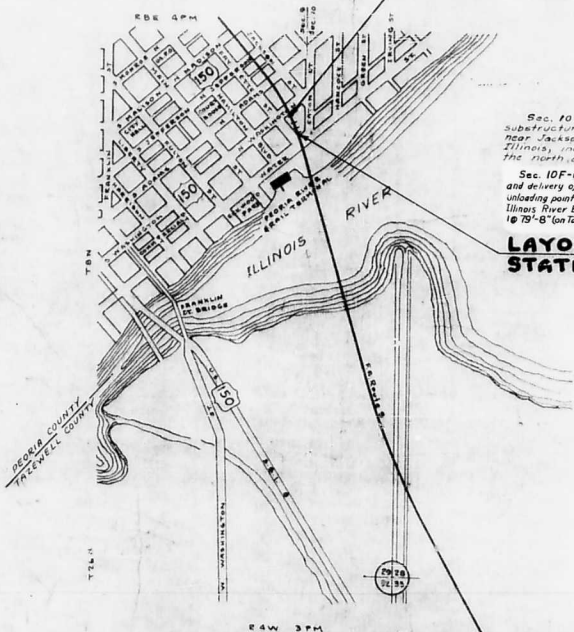
F.A. ROUTE 9 - SECTION 10F-1 PEORIA COUNTY
 PROJECT UI-48 (13)

PLAN 1"=100'
 PROFILE HOR. 1"=100'
 PROFILE VERT. 1"=10'



LOCATION OF SECTION INDICATED THUS - -

LAYOUT BEGINS
 STATION 135+82.33 (ON CENTER LINE)



Sec. 10B-1 includes the construction of the substructure for the Illinois River Bridge near Jackson and Fayette Sts., Peoria, Illinois, including Piers A, 1, 2, and the north abutment.

Sec. 10F-1 includes furnishing, fabricating, shop painting and delivery of the structural steel and cast steel for the unloading point at Peoria for 4 spans of steel plate girder, Illinois River Bridge, spans 1@ 75'-8", 1@ 80'-0", 1@ 78'-4" and 1@ 79'-8" (on tangent) near Jackson and Fayette Streets in Peoria.

LAYOUT ENDS
 STATION 138+99.25 (ON CENTER LINE)



STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS
 AUTHORIZED Dec 8 '55
 J. D. Mattison
 DESIGNED Dec 9 '55
 R. H. Stewart
 CHECKED Dec 9 '55
 J. H. Frank
 APPROVED Dec 9 '55
 W. H. Butler
 DATE Dec 9 '55
 C. H. [Signature]

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS
 APPROVED
 DISTRICT ENGINEER DATE

LAYOUT
 SCALE 1"=800'

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA-9	10F-1	PEORIA	13	2
FED. ROAD DIST. 7	ILLINOIS	PROJECT	UI-48(13)	

INDEX OF SHEETS

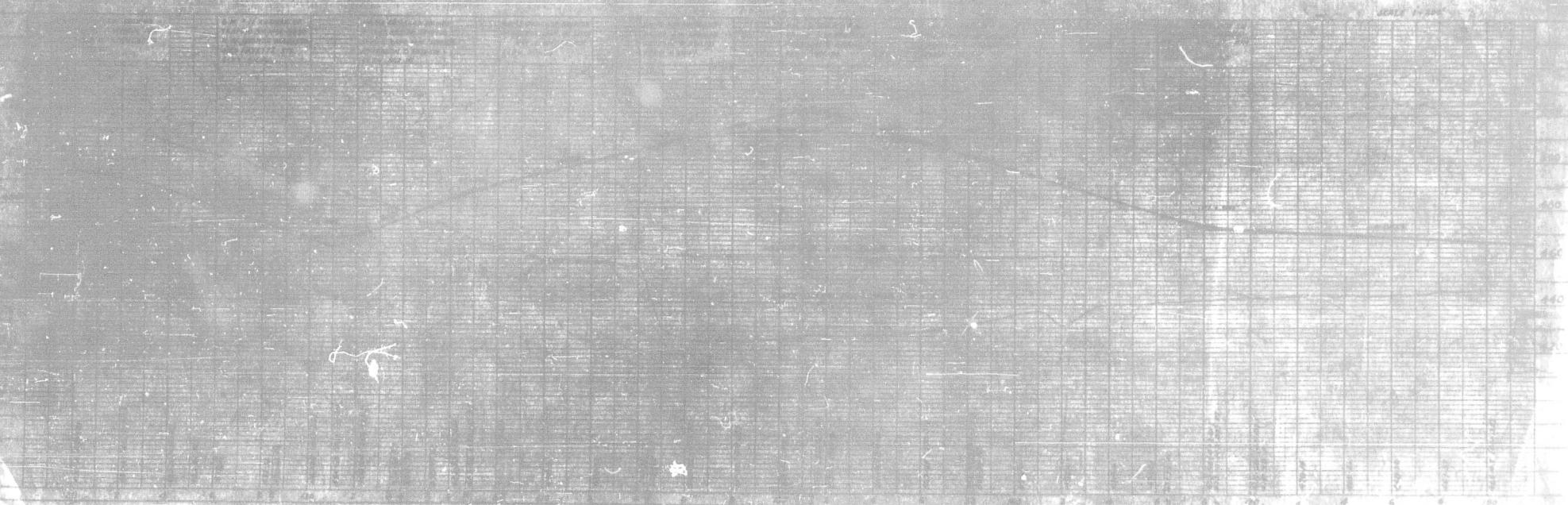
Sheet Number 1	Title Sheet
Sheet Number 2	Index of sheets, Summary of Quantities
Sheet Number 3 to 13	Bridge Plans (Sheets 1 to 11 Inclusive)

SUMMARY OF QUANTITIES

1,026,860 lbs.	Furnishing Structural Steel (Carbon)
3 each	Junction Boxes
23,620 lbs.	Furnishing Cast Steel

FAI 74

FAI 74
1974



STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

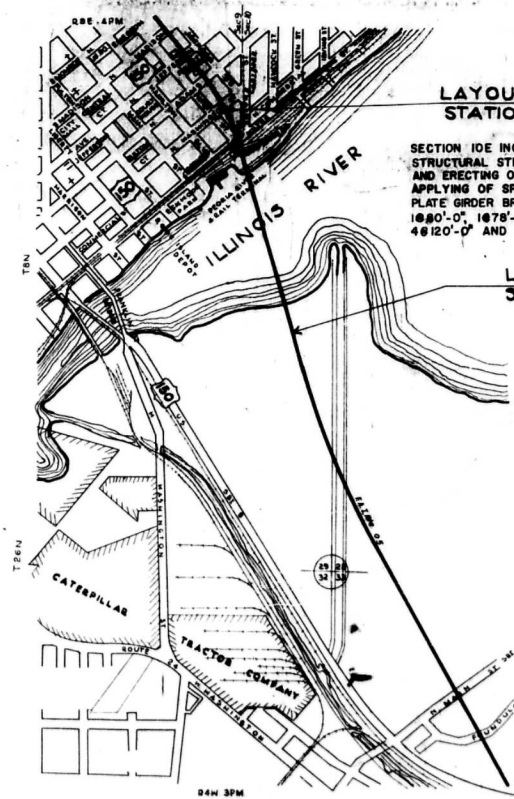
FAI-74

F.A.I. ROUTE	SEC.	COUNTY	TOTAL SHEETS	SHEET
05	10E	PEORIA & TAZEWELL	54	1
FED. ROAD DIST. NO. 1 ILLINOIS PROJECT 1-05-4 (2)				

SCALES
 PLAN 1 INCH = 100 FT.
 PROFILE HOR. 1 INCH = 100 FT.
 PROFILE VERT. 1 INCH = 10 FT.
 SHEETS 2 FO 8 8 SHEETS = 1 FT.
 SHEETS 9 TO 11 10 SHEETS = 1 FT.

FAI-74

FAI ROUTE 05 SECTION 10E, PEORIA & TAZEWELL COUNTIES
PROJECT I-05-4 (2)



LAYOUT BEGINS
STATION 135+71.19

SECTION 10E INCLUDES: ERECTING OF ALL STRUCTURAL STEEL AND CAST STEEL; FURNISHING AND ERECTING OF THE OPEN STEEL FLOOR, AND FURNISHING AND APPLYING OF SPOT PAINT FOR A 14-SPAN STEEL TRUSS AND STEEL PLATE GIRDER BRIDGE (OVER ILLINOIS RIVER) SPANS, 10'75"-0", 10'00"-0", 10'78"-4", 10'79"-0", 20'42"-0", 20'45'-0", 10'00'-0", 40'120'-0" AND 10'75'-0" AT JACKSON-FAYETTE STREETS IN PEORIA.

LAYOUT ENDS
STATION 167+99.25



LOCATION OF SECTION INDICATED THUS:—

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

APPROVED: August 22, 1956
[Signature]

APPROVED: August 22, 1956
[Signature]

APPROVED: August 22, 1956
[Signature]

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS

DISTRICT ENGINEER _____ DATE _____

LAYOUT
 SCALE 1" = 800'

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS
 PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY

FAI-74

F.A.I. ROUTE	SEC.	COUNTY	TOTAL SHEETS	SHEET
05	10E	PEORIA & TAZEWELL	54	1

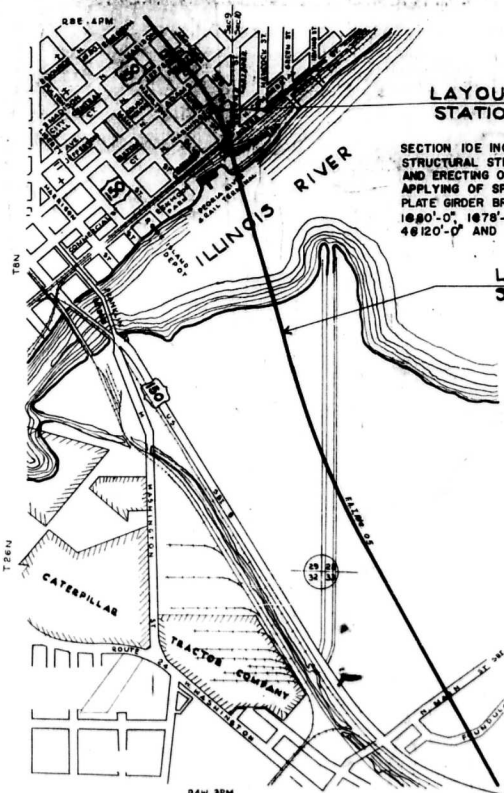
FED. ROAD DIST. NO. 1 ILLINOIS PROJECT 1-05-4 (2)

FAI-74

FAI ROUTE 05 SECTION 10E, PEORIA & TAZEWELL COUNTIES
 PROJECT I-05-4 (2)

SCALES

PLAN	1 INCH	180 FT.
PROFILE HOR.	1 INCH	120 FT.
PROFILE VERT.	1 INCH	120 FT.
SHEETS 2 FO 8	8 INCHES	1 FT.
SHEETS 9 TO 11	16 INCHES	1 FT.



LAYOUT BEGINS
 STATION 135+71.19

SECTION 10E INCLUDES: ERECTING OF ALL STRUCTURAL STEEL AND CAST STEEL; FURNISHING AND ERECTING OF THE OPEN STEEL FLOOR, AND FURNISHING AND APPLYING OF SPOT PAINT FOR A 14-SPAN STEEL TRUSS AND STEEL PLATE GIRDER BRIDGE (OVER ILLINOIS RIVER) SPANS, 10'75"-0", 10'80"-0", 10'78"-4", 10'79"-0", 2@ 42'-0", 2@ 45'-0", 1@ 60'-0", 4@ 120'-0" AND 1@ 75'-0" AT JACKSON-FAYETTE STREETS IN PEORIA.

LAYOUT ENDS
 STATION 167+99.25



LOCATION OF SECTION INDICATED THUS:—

LAYOUT
 SCALE 1" = 800'

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

APPROVED: August 22, 1956
[Signature]

APPROVED: August 22, 1956
[Signature]

APPROVED: August 22, 1956
[Signature]

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS

DISTRICT ENGINEER _____ DATE _____

FAI-74

FAI. ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
05	10-E	Peoria Tazewell	54	2
FED. ROAD DIST. NO. 7 ILLINOIS PROJECT I-05-4 (2)				

INDEX OF SHEETS

Sheet 1	Title Sheet
Sheet 2	Index of Sheets, Summary of Quantities Std. 1870S (Typical Section)
Sheet 3	Plan and Profile Sheet, Sta. 120 to Sta. 180
Sheets 4 - 14	Bridge Plans (Sheets 1 to 11 of 11)
Sheets 15 - 53	Bridge Plans (Sheets 1 to 32 incl. 34, 35, 36, 37, and 39 to 41 incl. of 42)
Sheet 54	Stds. 1971S, 2114

SUMMARY OF QUANTITIES

Erecting Structural Steel (Carbon)	11,610,730 Lbs.
Erecting Structural Steel (Low Alloy)	4,932,360 Lbs.
Erecting Cast Steel	153,910 Lbs.
Open Steel Floor	9,030 Sq.Ft.

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS
 PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY

FAI-74

5	10	25	50
10	20	40	80
20	40	80	160
40	80	160	320
80	160	320	640

PLAN 1" = 120'-0"
 PROFILE HOR 1" = 120'-0"
 PROFILE VERT 1" = 120'-0"
 SHEETS 2 TO 6 3/4" HIGH 1 FT
 SHEETS 7 TO 11 1/2" HIGH 1 FT

FAI-74

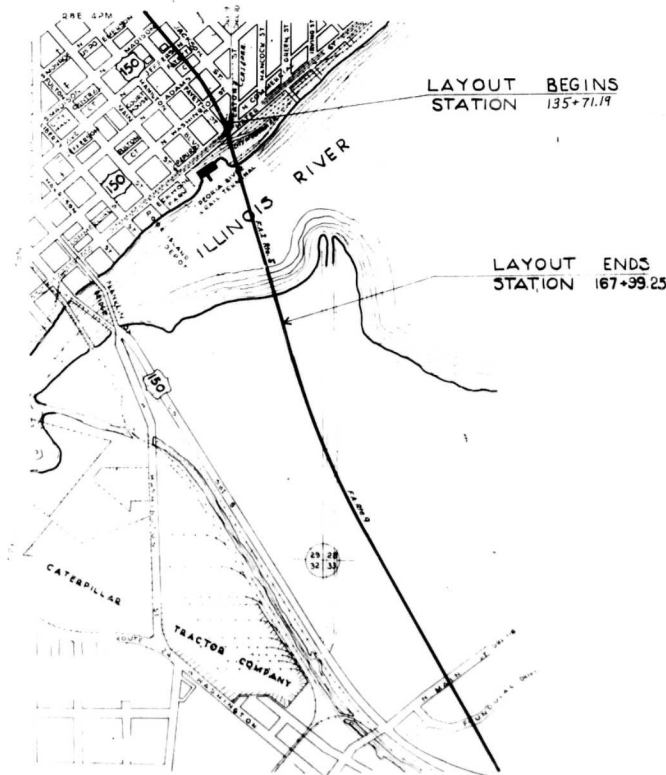
F.A.I. ROUTE 5 - SECTION 10 P PEORIA & TAZEWELL COUNTIES
 PROJECT I-05-4(2)



LOCATION OF SECTION INDICATED THUS: —

SECTION 10D INCLUDES: THE R.C. ROADWAY SLAB AND CURBS, THE WINGWALLS AT THE ABUTMENTS, AND APPROACH ROADWAY SLABS FOR A 14-SPAN STEEL TRUSS AND PLATE GIRDER BRIDGE (OVER ILLINOIS RIVER, ROCK ISLAND R.R. TRACKS AND WASHINGTON STREET RELOCATION) SPANS, 1@ 75'-8", 1@ 80'-0", 1@ 78'-4", 1@ 79'-8", 2@ 420'-0", 2@ 450'-0", 1@ 600'-0", 4@ 120'-0" AND 1@ 73'-0" AT JACKSON - FAYETTE STREETS IN PEORIA.

SECTION 10P INCLUDES: THE CLEANING OF METAL SURFACES AND FURNISHING AND APPLYING THE FIELD COATS OF PAINT FOR THE STRUCTURAL STEEL (INCLUDING METAL HANDRAIL) CAST STEEL AND THE EXPOSED METAL SURFACES OF THE OPEN STEEL FLOORS OF A 14-SPAN STEEL TRUSS AND PLATE GIRDER BRIDGE (OVER ILLINOIS RIVER, ROCK ISLAND R.R. TRACKS AND WASHINGTON STREET RELOCATION) SPANS, 1@ 75'-8", 1@ 80'-0", 1@ 78'-4", 1@ 79'-8", 2@ 420'-0", 2@ 450'-0", 1@ 600'-0", 4@ 120'-0" AND 1@ 73'-0" AT JACKSON - FAYETTE STREETS IN PEORIA.



LAYOUT
 SCALE 1" = 800'

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
 DIVISION OF HIGHWAYS
 PROJECT I-05-4(2)
 Jan. 24, '58
 J.D. Matheson
 Feb. 19, '58
 [Signature]
 Feb. 16, '58
 [Signature]
 Feb. 10, '58
 [Signature]
 Feb. 10, '58
 [Signature]
 Feb. 10, '58
 [Signature]

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS
 APPROVED [Signature] DATE []
 DISTRICT ENGINEER

FAI-74

Route No.	Sec	County	1971 Sheet No.	Sheet No.
FA 9	100 100 100	Peoria-Rosewell	51	2
Fed. Road Dist 7 Illinois Project			52	

INDEX OF SHEETS

(Section 10 D)

Sheet No. 1	Title Sheet	Sheet No. 1	Title Sheet
Sheet No. 2	Index of Sheets, Summary of Quantities, Standard 2113	Sheet No. 2	Index of Sheets, Summary of Quantities
Sheet No. 3-16	Bridge Plans (Sheets 1, 5, 6, 7, 29, 30, 32, 33, 34, 35, 36, 37, 38, 42 of 42)	Sheet No. 3-41	Bridge Plans (Sheets 1 to 32 incl., 34, 35, 36, 37, 39, 40, & 41 of 42)
Sheet No. 17	Standards. 1971S, 2114.	Sheet No. 42	Standards 1971S, 2114.

(Section 10 F)

(Section 10 E)

Sheet No. 1	Title Sheet	Sheet No. 1	Title Sheet
Sheet No. 2	Index of Sheets, Summary of Quantities	Sheet No. 2	Index of Sheets, Summary of Quantities
Sheet No. 3-41	Bridge Plans (Sheets 1 to 32 incl., 34, 35, 36, 37, 39, 40, 41, of 42)	Sheet No. 3-41	Bridge Plans (Sheets 1 to 32 incl., 34, 35, 36, 37, 39, 40, & 41 of 42)
Sheet No. 42	Standards 1971S, 2114.	Sheet No. 42	Standards 1971S, 2114.

(Section 10 F)

SUMMARY OF QUANTITIES

Item	Section				
	10 D	10 E	10 F	10 P	
Class X Concrete					
Handrail Concrete	3,723.3				
Masonry Facing	16.5				
Reinforcement Bars	43				
Furnishing Structural Steel (Carbon)	761,760				
Furnishing Structural Steel (LOW Alloy)		15,566,980			15,672,860
Erecting Structural Steel					
Painting Structural Steel					
Furnishing Cast Steel					
Painting Open Steel Floor					
Open Steel Floor					
Name Plates		9,030			9,030
Junction Boxes	1				
Furnishing and Erecting Structural Steel					
	26,340		49		

00

FAI-74

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 5	10 P	PEORIA & TAZEVELL	54	2
FED. ROAD DIST. NO.		ILLINOIS PROJECT	I-05-41	

INDEX OF SHEETS

Sheet 1	Title Sheet
Sheet 2	Index of Sheets, Summary of Quantities, Std. 18705
Sheet 3	Plan and Profile Sheet, Sta. 120 to Sta. 180
Sheets 4 - 14	Bridge plans (Sheets 1 to 11 of 11)
Sheets 15 - 53	Bridge Plans (Sheets 1 to 32 incl., 34 to 37 incl., 39 to 41 incl., of 42)
Sheet 54	Stds. 1971 S, 2114

SUMMARY OF QUANTITIES

Painting Structural Steel (Carbon)	11,637,070 Lbs.
Painting Structural Steel (Low Alloy)	4,932,360 Lbs.
Painting Cast Steel	153,910 Lbs.
Painting Open Steel Floor	9,030 Sq. Ft.

HIGHWAY CLASSIFICATION

3500-T-70-1975

Maximum Grade: 4.20% Length: 570 Feet

Minimum Sight Distance (Stopping): 600 Feet

Minimum Horizontal Radius: 1909.86 Feet

Submitted

Jan 27, 1958

C. DeWitt

District Design Engineer

Examined

Jan. 27, 1958

R. N. Janssen

District Construction Engineer

Examined

JAN 27 1958

R. E. Leibert

District Maintenance Engineer

Examined

27 JAN. 58

A. B. Litvin

District Traffic Engineer

Entire Section Inspected and
Approved as to Policy

Date

Jan. 27, 1958

John D. Mattison
District Engineer

FAI-74

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 5	10D	PEORIA & TAZEWELL	27	2
FED. ROAD LIST NO. 7 ILLINOIS PROJECT 1-05-41				

INDEX OF SHEETS

Sheet 1	Title Sheet
Sheet 2	Index of Sheets, Summary of Quantities, <i>Std. 18705</i>
Sheet 3	Plan and Profile Sheet, Sta. 120 to Sta. 180
Sheets 4 - 14	Bridge Plans (Sheets 1 to 11 of 11)
Sheets 15 - 28	Bridge Plans (Sheets 1, 5 to 7 incl., 29,30,32,33 and 42. of 42)
Sheet 29	Stds. 1971 S, 2113, 2114

SUMMARY OF QUANTITIES

Handrail Concrete	32.1 Cu. Yds.
Class X Concrete	4342.1 Cu. Yds.
Furnishing and Erecting Structural Steel (Carbon)	33900 Lbs.
Reinforcement Bars	928760 Lbs.
Name Plates	1 Each
Masonry Facing	86 Sq. Ft.

HIGHWAY CLASSIFICATION

3500-I-70-1975

Maximum Grade: 4.20%	Length: 570 Feet
Minimum Sight Distance (Stopping): 600 Feet	
Minimum Horizontal Radius: 1909.86 Feet	

Submitted Jan 24, 1958
C. J. Daville
District Design Engineer

Examined Jan 24, 1958
H. H. Dunsen
District Construction Engineer

Examined JAN 24, 1958
R. E. Scribner
District Maintenance Engineer

Examined 24 JAN 58
A. B. Litvin
District Traffic Engineer

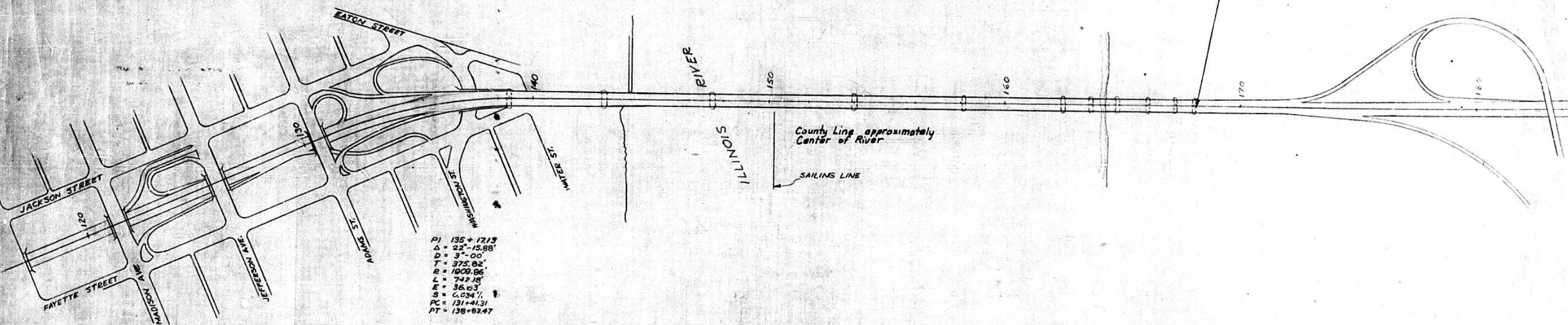
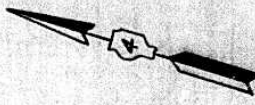
Entire Section Inspected and
Approved as to Policy

Date Jan 24, 1958

John D. McWilliam
District Engineer

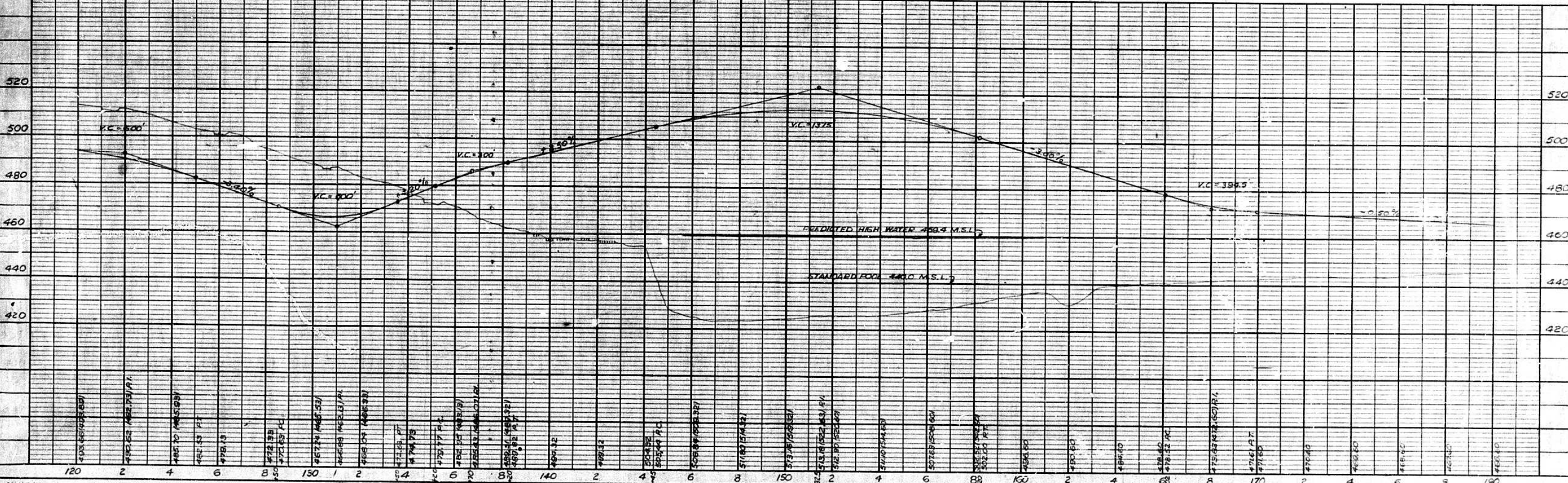
FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 4	108 E	PEORIA	23	3
FAL 05	108 E	TAZEWELL	29	3
STA. 120+00		TO STA.	167+00	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT - U.S. 4817		



PI = 135 + 171.3
 Δ = 22° - 15.88'
 D = 3° - 00'
 T = 375.82'
 R = 1909.86'
 L = 742.18'
 E = 36.63'
 S = 6.034°
 PC = 131 + 41.31
 PT = 138 + 82.47

SCALE 1"=200'



PLAN	DATE	BY	CHECKED

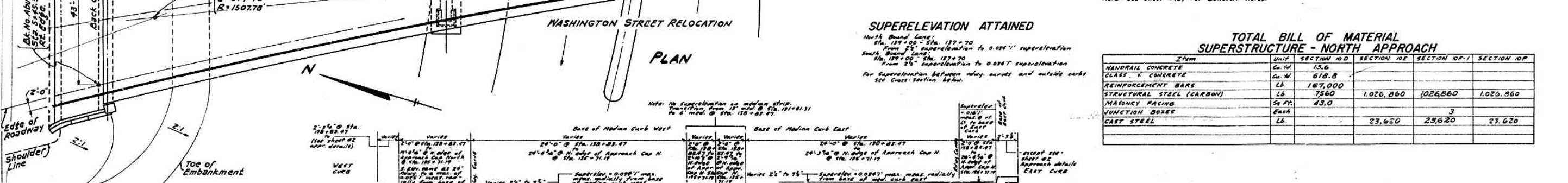
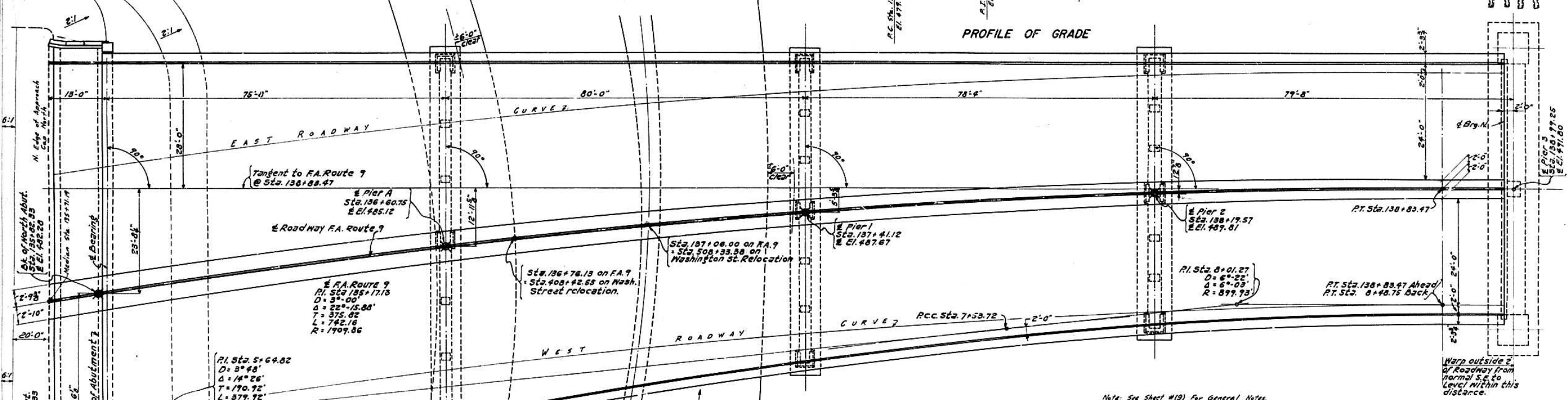
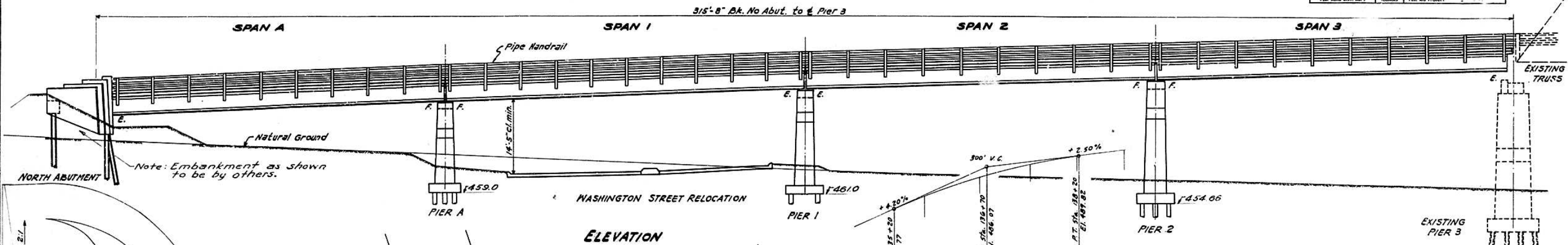
PROFILE	DATE	BY	CHECKED

D.M. Iron rod @ Southwest corner Fayette & Washington Streets, Peoria. Elev. 474.47.

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. / SHEET
R.A. 9	10E-1	Peoria	29	56	11
F.A. RT. 05	10E-1	Peoria	29	56	11
FED. ROAD DIST. NO. 7	ALUMINUM	FED. AID PROJECT			



Note: See Sheet #19 for General Notes.

SUPERELEVATION ATTAINED
North Bound Lane:
Sta. 129+00 - Sta. 137+70
From 2% super-elevation to 0.024" super-elevation
South Bound Lane:
Sta. 134+00 - Sta. 137+70
From 2% super-elevation to 0.024" super-elevation
For super-elevation between relay curves and outside curbs see Cross-section below.

**TOTAL BILL OF MATERIAL
SUPERSTRUCTURE - NORTH APPROACH**

ITEM	UNIT	SECTION 10D	SECTION 10E	SECTION 10F-1	SECTION 10F
HANDRAIL CONCRETE	Cu. Yd.	15.6			
CLASS. 1 CONCRETE	Cu. Yd.	618.8			
REINFORCEMENT BARS	Lb.	167,000			
STRUCTURAL STEEL (CARBON)	Lb.	7560	1,026,860	1,026,860	1,026,860
MASONRY FACING	Sq. Yd.	43.0			
JUNCTION BOXES	Each		3		
CAST STEEL	Lb.		23,620	23,620	23,620

DESIGN STRESSES

$f_c = 1400$ PSI. Superstructure
 $f_c = 800$ PSI. Substructure
 $f_s = 18000$ P.S.I. STRUCTURAL
 $f_s = 20000$ P.S.I. REINFORCEMENT
 $n = 10$

DESIGNED *C. J. McCoy*
CHECKED *C. J. McCoy*
DRAWN *K. Cehmla*
CHECKED *C. J. McCoy*

EXAMINED *M. R. ...*
PASSED *C. J. McCoy*
APPROVED *R. B. ...*

Rev. for Sec. E. 8-20-56 R.B.M.

SECTION 10E-D-P PROJECT I-05-4(12)
GENERAL PLAN & ELEVATION
SUPERSTRUCTURE
NORTH APPROACH
PROJECT UI-48 (13)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
(F.A.I. RT. 05) F.A. RTE. 9 SECTION 10 F-1-E-D-P
PEORIA COUNTY

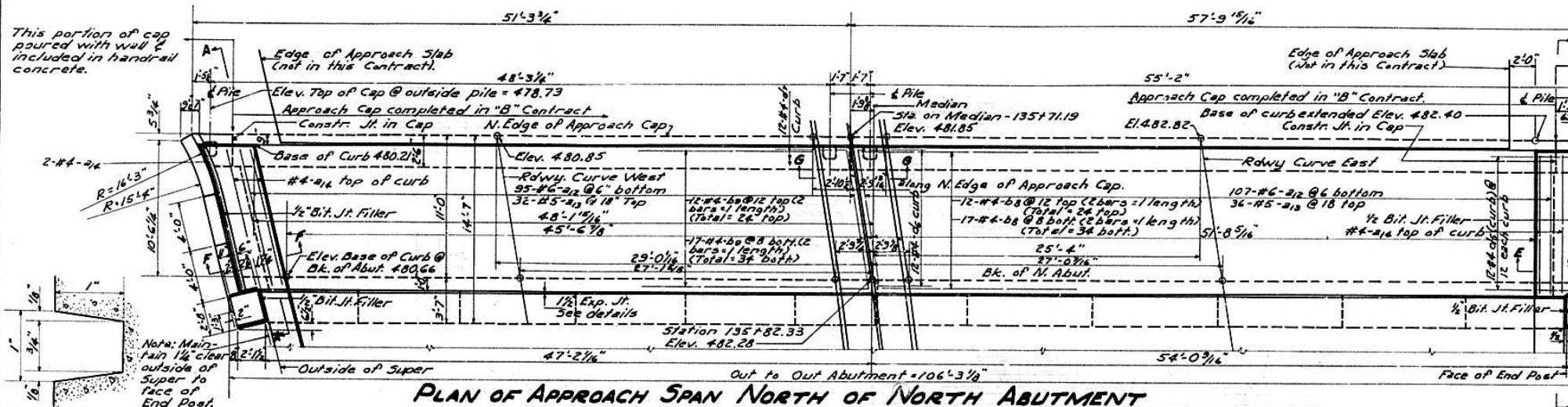
N20-516-44 Loading

FAI-74

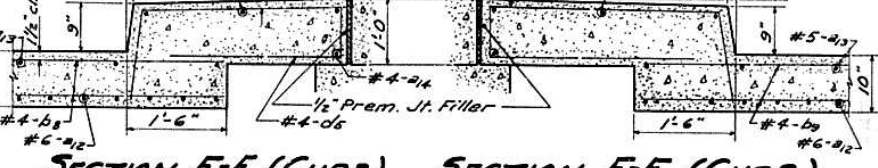
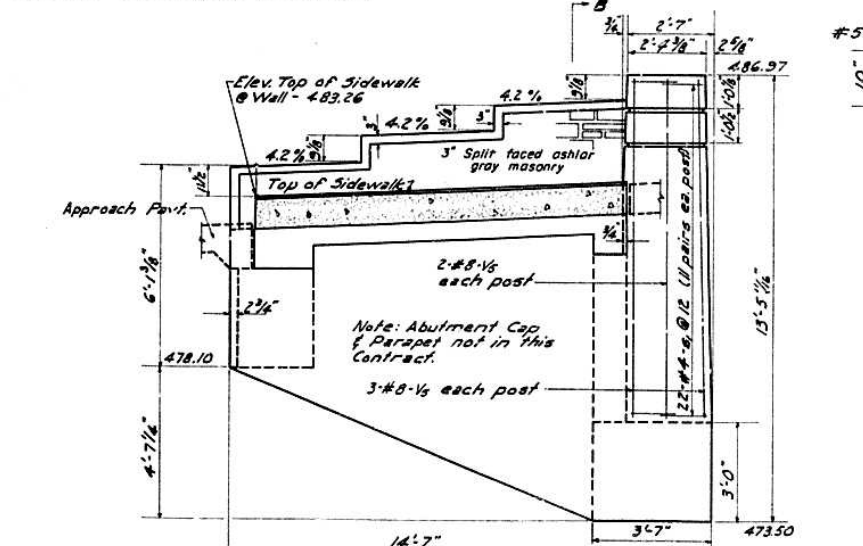
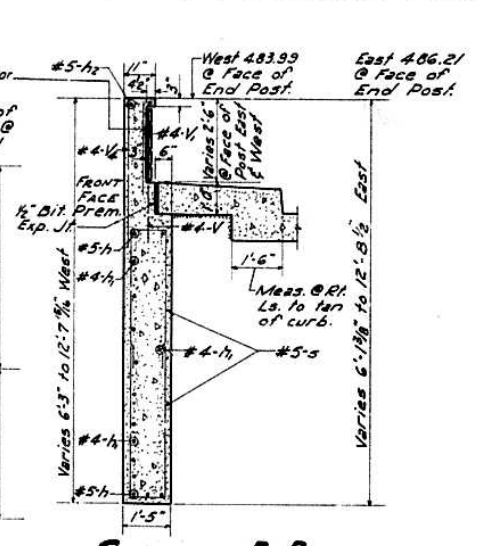
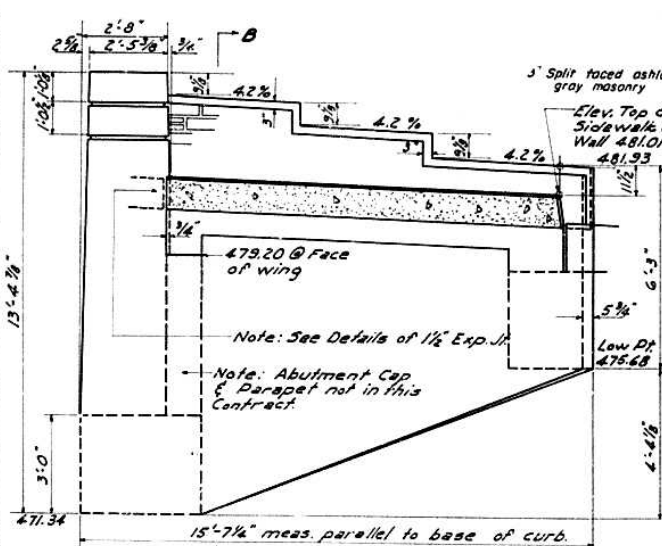
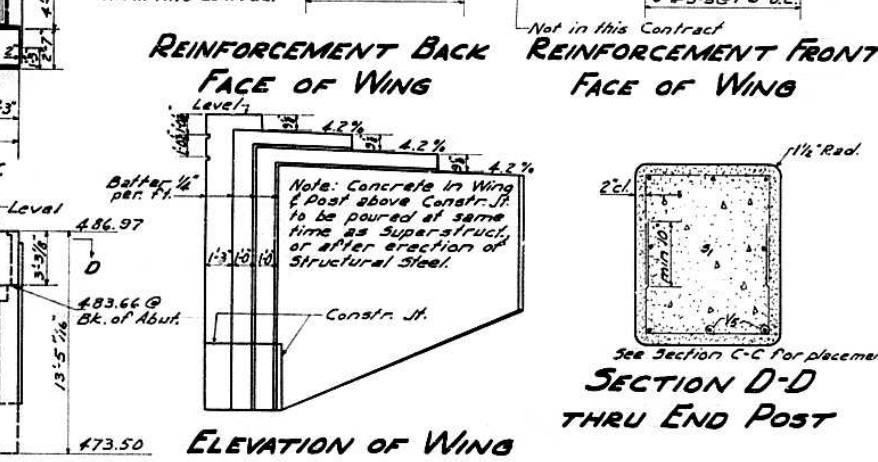
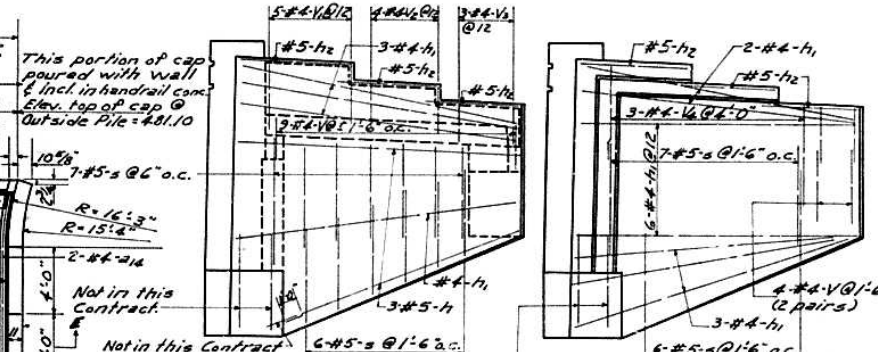
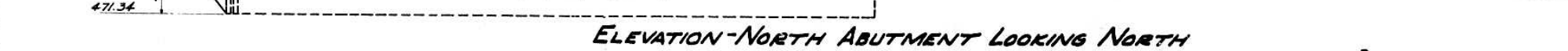
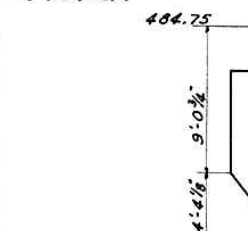
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9A-9	10F	Peoria	29	5
F.A.R. 05	10F		54	5
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

This portion of cap poured with wall & included in handrail concrete.

This portion of cap poured with wall & incl. in handrail concrete. Elev. top of cap @ Outside Pile = 481.10

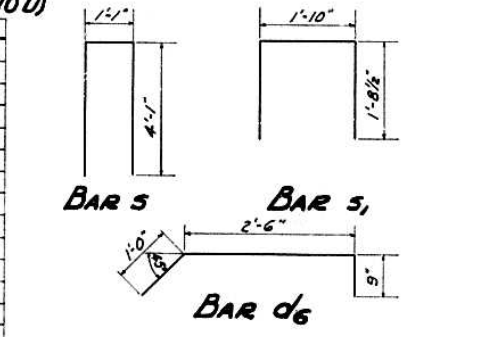


DETAIL OF NOTCH



BILL OF MATERIAL (SEC 10D)

BAR	No.	SIZE	LENGTH	SHAPE
a ₁₂	202	#6	12'-0"	U
a ₂	68	#5	10'-3"	U
a ₃	8	#4	10'-8"	U
b ₈	58	#4	27'-5"	U
b ₉	58	#4	24'-0"	U
d ₆	24	#4	8'-8"	U
d ₆	24	#4	4'-3"	U
v	26	#5	3'-0"	U
v	10	#4	2'-9"	U
v ₂	8	#4	2'-0"	U
v ₃	6	#4	1'-9"	U
v ₄	6	#4	4'-6"	U
v ₅	16	#8	10'-0"	U
h	12	#5	11'-6"	U
h ₁	30	#4	12'-4 1/2"	U
h ₂	12	#5	5'-0"	U
s	26	#5	3'-3"	U
s ₁	44	#4	5'-3"	U



DESIGNED: R. J. McCoy
CHECKED: J. D. ...
DRAWN: J. M. ... J. Ganci
CHECKED: R. J. ...

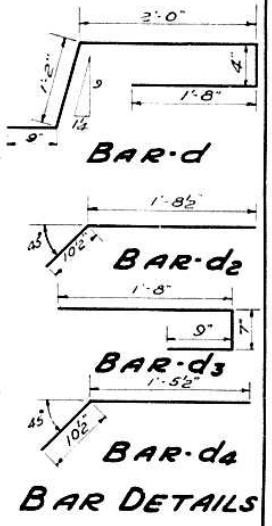
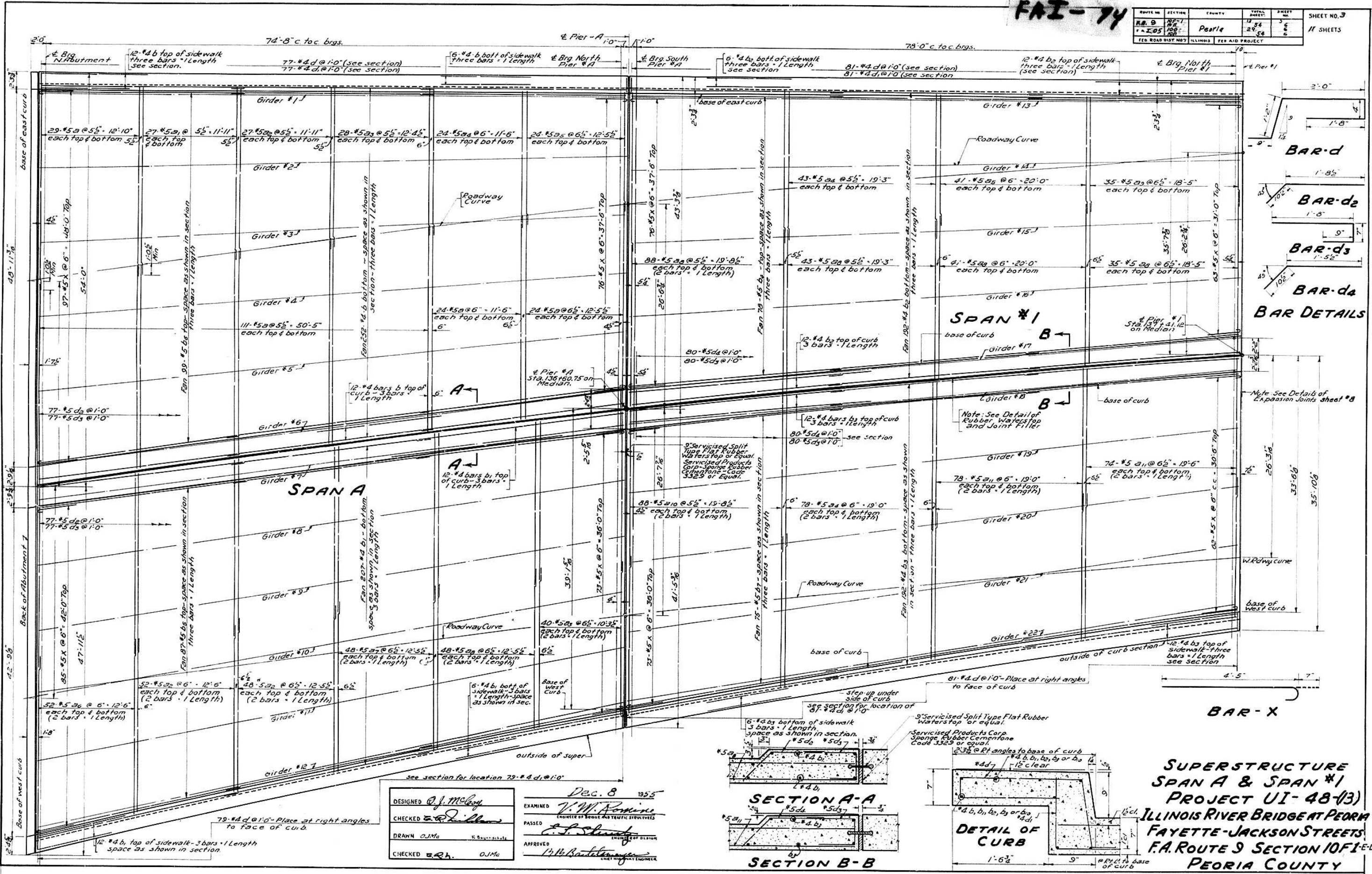
EXAMINED: J. W. ...
PASSED: E. S. ...
APPROVED: R. H. ...

Revision Feb 14, 1958 Changed 2" Random Gray Stone Facing to 3" Split faced ashlar gray stone masonry (Section B-B & C-C)

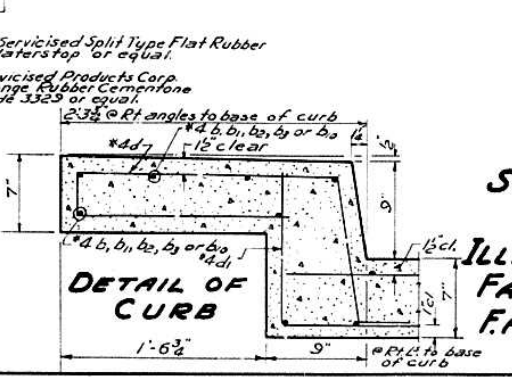
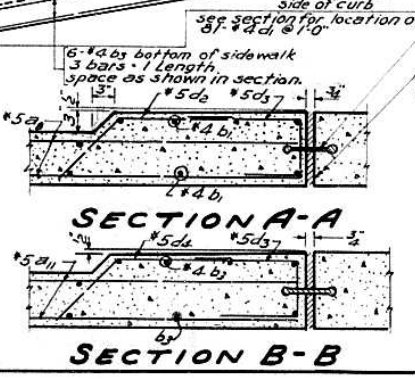
**SUPERSTRUCTURE
NORTH APPROACH SPAN
PROJECT UI-48-(13)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE-JACKSON STREETS
F.A. ROUTE 9-SECTION 10F 1-E-D-P
PEORIA COUNTY**

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9	10F1	Peoria	11	3
ILLINOIS PER AID PROJECT				



Note: See Details of Expansion Joints sheet #8



DESIGNED *O.J. McLaughlin*
 CHECKED *O.J. McLaughlin*
 DRAWN *O.J. McLaughlin*
 CHECKED *O.J. McLaughlin*

EXAMINED *V.M. Fournier*
 PASSED *V.M. Fournier*
 APPROVED *V.M. Fournier*

Dec. 8 1955

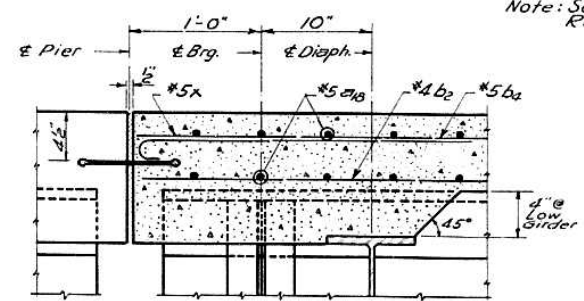
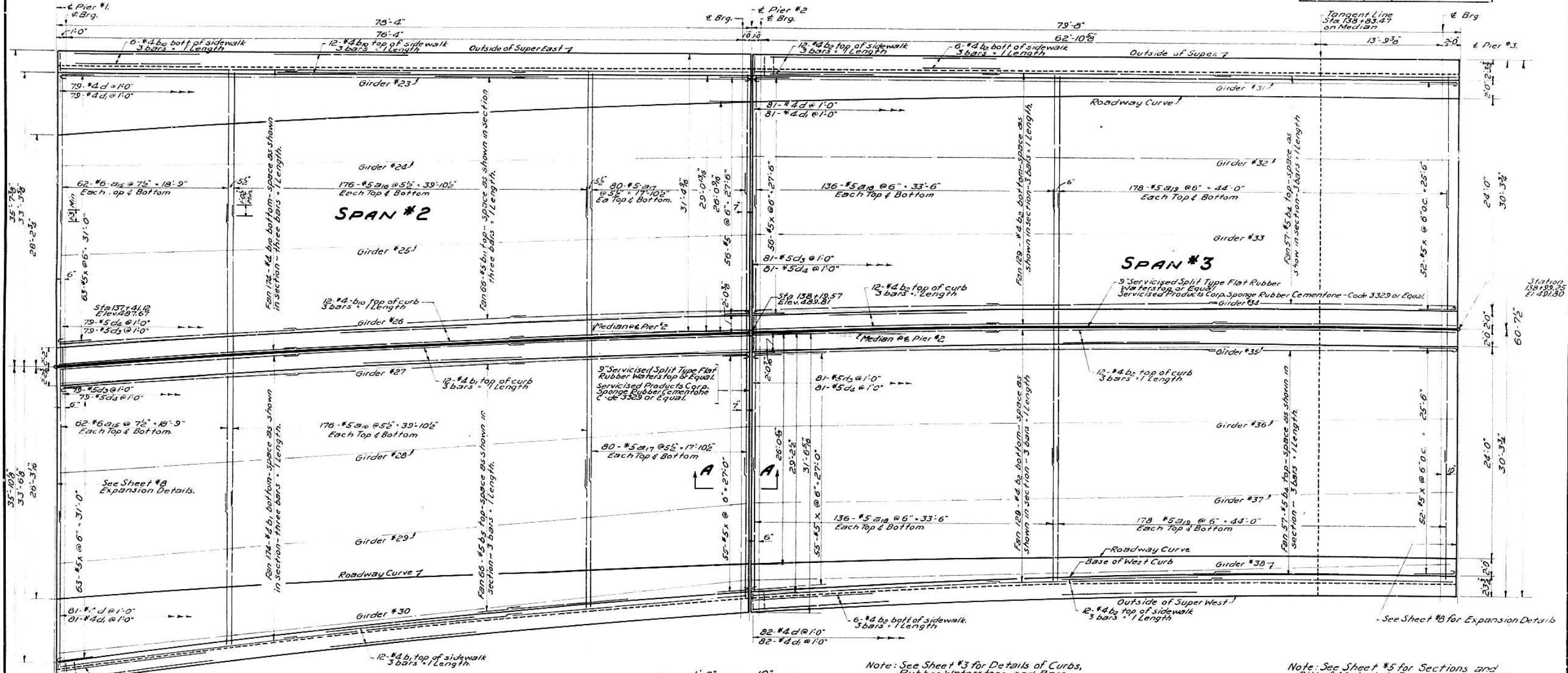
SUPERSTRUCTURE
SPAN A & SPAN #1
PROJECT UI-48(13)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE-JACKSON STREETS,
F.A. ROUTE 9 SECTION 10F1 E-D-P
PEORIA COUNTY

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
E.B. 9	10F-1	Peoria	13	54
1-1-05	100		29	54

SHEET NO. 4
11 SHEETS



Note: See Sheet #3 for Details of Curbs, Rubber Waterstops and Bars.

Note: See Sheet #5 for Sections and Bill of Material. Bars are detailed on Sheet #3.

DESIGNED *O.J. McGary*
CHECKED *[Signature]*
DRAWN *O.J.M.*
CHECKED *[Signature]*

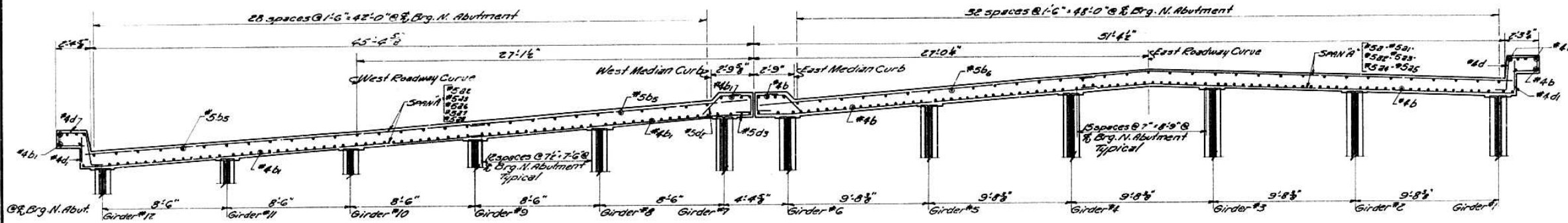
EXAMINED *V.M. Romine*
PASSED *[Signature]*
APPROVED *[Signature]*
DEC. 8 1955

SUPERSTRUCTURE
SPAN #2 & SPAN #3
PROJECT UI-48-(13)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE-JACKSON STREETS
F.A. ROUTE 9-SECTION 10F-1E-D-P
PEORIA COUNTY

FAI-74

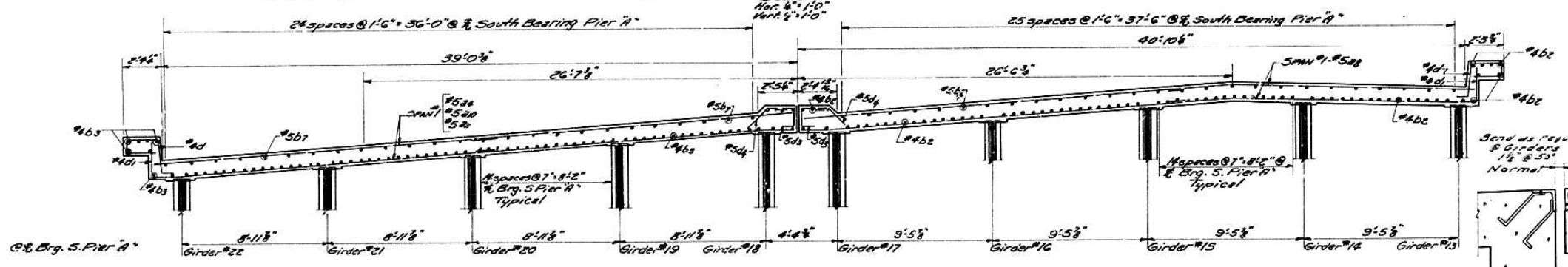
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 9	10E-1	Peoria	73	54
F.A. 9	10E		29	54
F.A. 9	10D		59	6

ILLINOIS FED. AID PROJECT



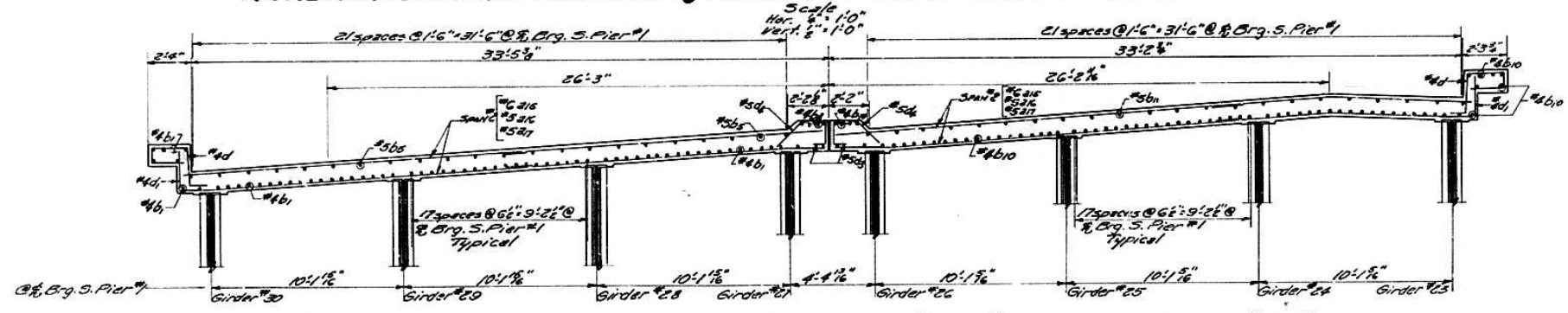
ROADWAY SECTION THROUGH BEARING NORTH ABUTMENT - SPAN A REINFORCEMENT

SEC 10 D
SUPERSTRUCTURE TABLE QUANTITIES
(not including approach spans)

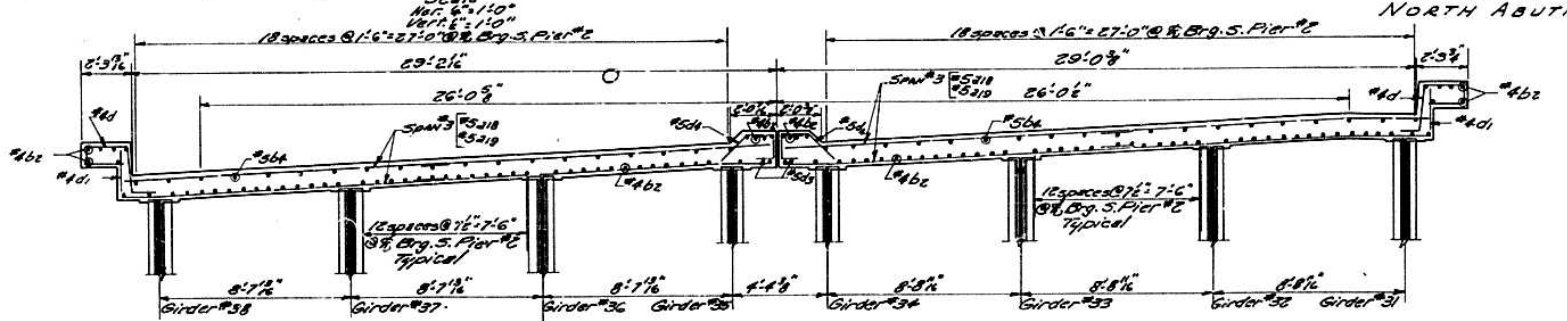


ROADWAY SECTION THROUGH BEARING PIER A SOUTH - SPAN #1 REINFORCEMENT

Bar	No.	Size	Length	Shape
a	376	#5	26'-6"	
a1	54	#5	28'-0"	
a2	254	#5	23'-0"	
a3	136	#5	20'-10"	
a4	290	#5	19'-6"	
a5	130	#5	17'-6"	
a6	104	#5	23'-6"	
a7	96	#5	24'-0"	
a8	510	#5	21'-3"	
a9	70	#5	15'-2"	
a10	176	#5	20'-3"	
a11	304	#5	18'-9"	
a15	248	#6	17'-6"	
a16	704	#5	16'-10"	
a17	320	#5	15'-9"	
a18	544	#5	15'-4"	
a19	712	#5	14'-10"	
x	1057	#5	5'-0"	
d	641	#4	5'-11"	
d1	641	#4	1'-8"	
d2	154	#5	2'-7"	
d3	234	#5	3'-0"	
d4	440	#5	2'-4"	



ROADWAY SECTION THROUGH BEARING PIER #1 SOUTH - SPAN #2 REINFORCEMENT



ROADWAY SECTION THROUGH BEARING PIER #2 SOUTH - SPAN #3 REINFORCEMENT

SECTION AT NORTH ABUTMENT

DESIGNED *O.J. McCoy*
CHECKED *E. J. Hillman*
DRAWN *O.J. McCoy* *E. J. Rush*
CHECKED *E. J. Hillman* *O.J. McCoy*

EXAMINED *V. M. Roman*
PASSED *E. J. Hillman*
APPROVED *E. J. Hillman*

Dec. 8, 1955

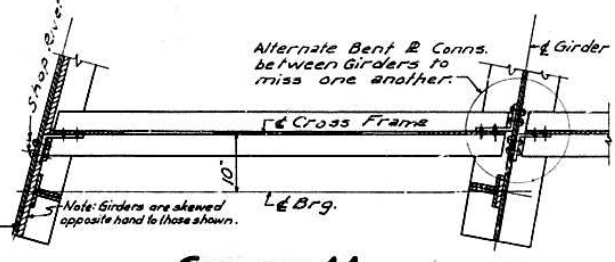
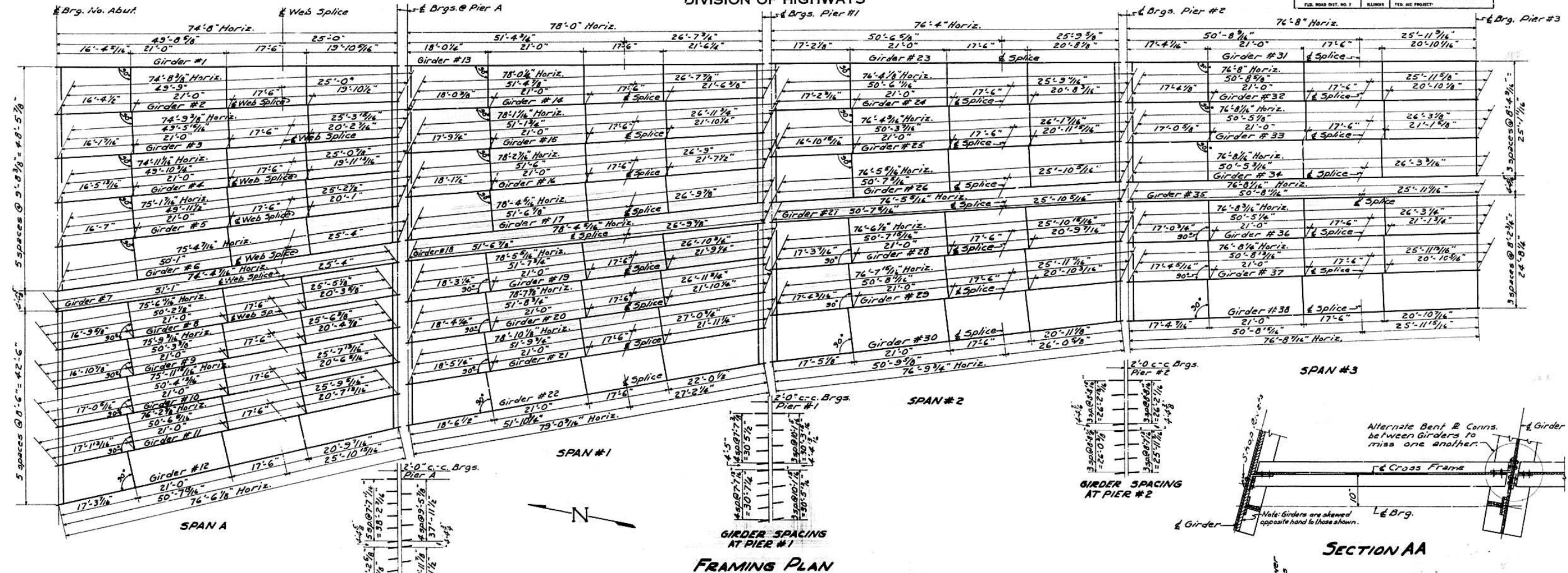
SUPERSTRUCTURE SECTIONS
SPANS A, 1, 2, & 3
PROJECT UI-48(13)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10-F1E-D
PEORIA COUNTY

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

FAI-74

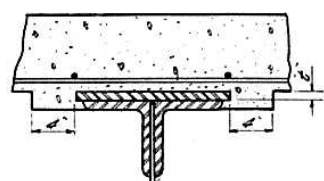
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 9	10B	Peoria	12	11
F.A. DIST. NO. 1	BLK. NO.	STA. AC. PROJECT		

Note: All longitudinal dimensions on grade except as noted.

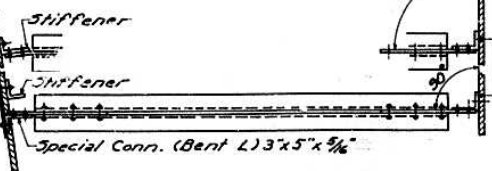


ELEVATION TOP OF GIRDERS AT BRGS.

SPAN A		SPAN #1		SPAN #2		SPAN #3	
At Abut.	At Pier A	At Pier A	At Pier 1	At Pier 1	At Pier 2	At Pier 2	At Pier 3
Gird. Elev.	Gird. Elev.	Gird. Elev.	Gird. Elev.	Gird. Elev.	Gird. Elev.	Gird. Elev.	Gird. Elev.
1 482.3581	1 485.1919	13 485.2627	13 487.8206	23 487.8810	23 489.7637	31 489.8048	31 491.3859
2 482.5132	2 485.3141	14 485.4145	14 487.8920	24 487.8558	24 489.6502	32 489.6918	32 491.3256
3 482.6684	3 485.3632	15 485.2837	15 487.6190	25 487.9235	25 489.4312	33 489.4768	33 491.2484
4 482.5346	4 485.0833	16 484.9349	16 487.3458	26 487.1310	26 489.2109	34 489.2512	34 491.1713
5 482.1550	5 484.7972	17 484.5804	17 487.0759	27 487.1135	27 489.1992	35 489.2423	35 491.1680
6 481.7866	6 484.5119	18 484.5631	18 487.0543	28 486.7535	28 488.9797	36 489.0341	36 491.0321
7 481.7605	7 484.4344	19 484.2389	19 486.7846	29 486.3872	29 488.7580	37 488.8163	37 491.0162
8 481.4504	8 484.2349	20 483.8995	20 486.5086	30 486.0643	30 488.5405	38 488.6013	38 490.9460
9 481.1130	9 483.9642	21 483.5748	21 486.2324				
10 480.7770	10 483.6311	22 483.2519	22 486.0006				
11 480.4870	11 483.4452						
12 480.1957	12 483.2173						



Connections to be used opposite right angle connections. Fill plates up to may also be used when making connections to stiffeners opposite R/L Connections.

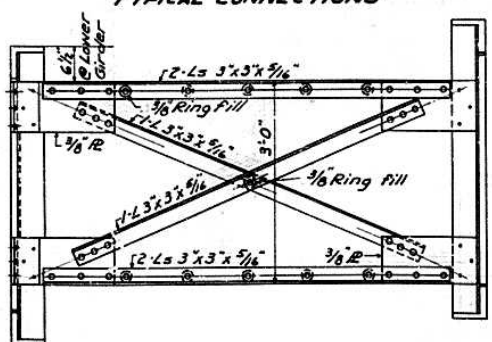


TYPICAL CONNECTIONS

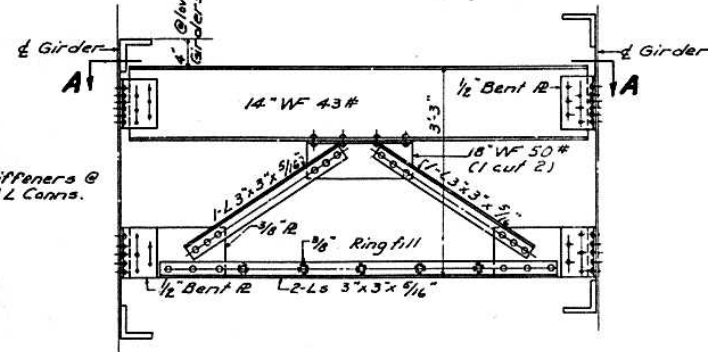
METHOD OF DETERMINING FILLER HEIGHTS
After all Structural Steel has been erected, elevations of the top flanges of the beams shall be taken at intervals not to exceed 10 ft. From these elevations subtract the increment of deflection for these points, determined from the D.L. deflection diagram. The elevations so obtained subtracted from the theoretical grade elevations, minus floor thickness, equals the filler heights above top of beam.



DEAD LOAD DEFLECTION DIAGRAMS



INTERMEDIATE CROSS FRAMES



TYPICAL CROSS FRAME @ BEARINGS
Except @ Pier #3 for detail of Cross Frame @ Pier #3 see Sheet # 8

DESIGNED K. Columbus J. M. Gray
CHECKED [Signature]
DRAWN K. Columbus J. M. Gray
CHECKED [Signature]

Dec. 8 1955
EXAMINED V. M. Romine
PASSED [Signature]
APPROVED [Signature]

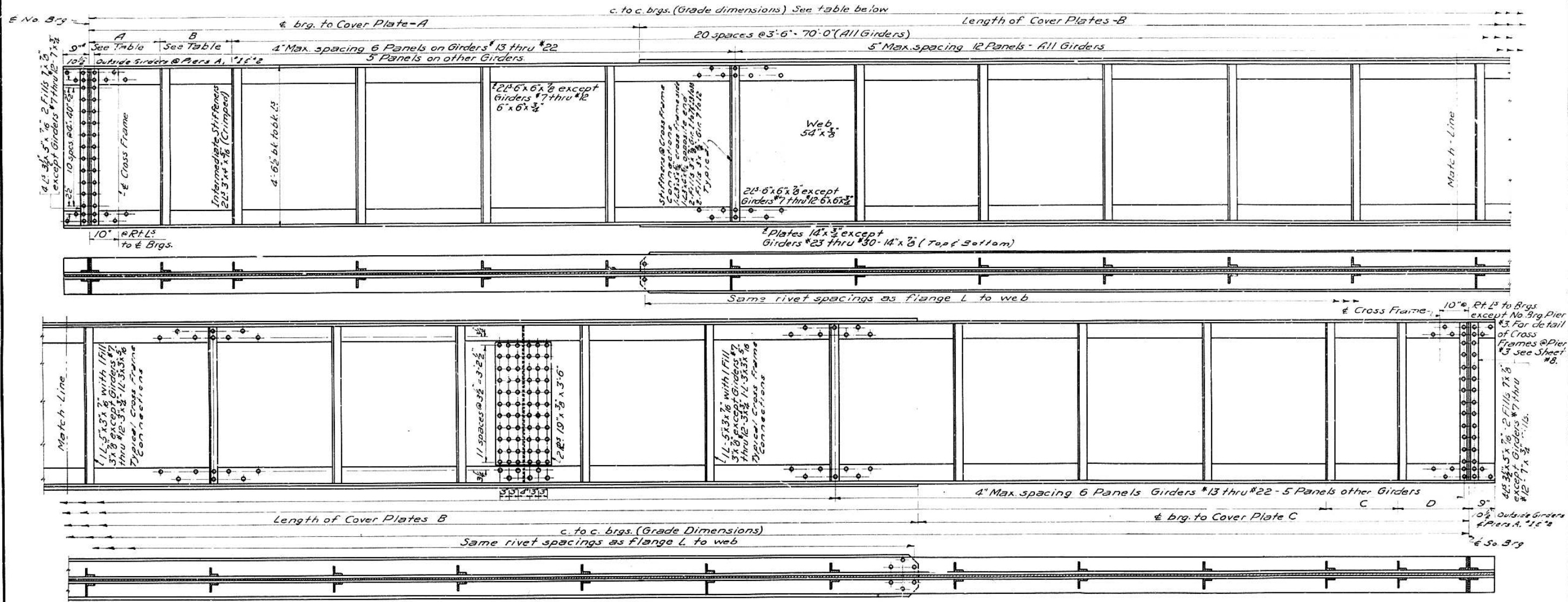
FRAMING PLAN
PROJECT UI-48-13
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE-JACKSON STREETS
F.A. ROUTE 9-SECTION 10 F1-E-D-P
PEORIA-TAZEWELL COUNTIES

Revised - 4-B-58-W.U. - ON DEAD LOAD DEFLECTION DIAGRAMS - GIRDERS #1 THRU #12 & #23 THRU #38, changed deflection at points 1/4 L from 1/16" to 1/8" and that at midspan (1/2 L) from 3/8" to 1/2".

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-74	10F1	Peoria	73	74
DATE	DATE	DATE	DATE	DATE
11-27-05	10-15-05	10-15-05	11-27-05	11-27-05
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



DIMENSIONS FOR GIRDERS

GIRDER	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20	#21	#22	#23	#24	#25	#26	#27	#28	#29	#30	#31	#32	#33	#34	#35	#36	#37	#38		
STIFFENER DIMENSIONS	A 2'-4 1/2"	2'-4 1/2"	2'-1 1/2"	2'-5 1/2"	2'-7"	2'-8 1/2"	2'-8 1/2"	2'-9 1/2"	2'-10 1/2"	3'-0 1/2"	3'-1 1/2"	3'-3 1/2"	2'-0 1/2"	2'-0 1/2"	1'-10 1/2"	2'-0 1/2"	2'-1 1/2"	2'-1 1/2"	2'-1 1/2"	2'-2 1/2"	2'-2 1/2"	2'-3 1/2"	3'-2 1/2"	3'-2 1/2"	2'-10 1/2"	3'-2 1/2"	3'-2 1/2"	3'-3 1/2"	3'-4 1/2"	3'-5 1/2"	3'-4 1/2"	3'-4 1/2"	3'-0 1/2"	3'-4 1/2"	3'-4 1/2"	3'-0 1/2"	3'-4 1/2"	3'-4 1/2"		
COVER PLATE DIMENSIONS	A 14'-10 1/2"	14'-10 1/2"	14'-10 1/2"	14'-11 1/2"	15'-1"	15'-2 1/2"	14'-7"	14'-8 1/2"	14'-9 1/2"	14'-10 1/2"	15'-0 1/2"	15'-1 1/2"	15'-2 1/2"	15'-2 1/2"	15'-3 1/2"	15'-4"	15'-4 1/2"	15'-4 1/2"	15'-5 1/2"	15'-6 1/2"	15'-7 1/2"	15'-9 1/2"	13'-5 1/2"	13'-5 1/2"	13'-5 1/2"	13'-5 1/2"	13'-5 1/2"	13'-6 1/2"	13'-7 1/2"	13'-7 1/2"	13'-7 1/2"	15'-6 1/2"	15'-6 1/2"	15'-6 1/2"	15'-6 1/2"	15'-6 1/2"	15'-6 1/2"	15'-6 1/2"	15'-6 1/2"	15'-6 1/2"
c. to c. BRGS ON GRADE	74'-8 1/2"	74'-9"	74'-9 1/2"	74'-11 1/2"	75'-2"	75'-5"	75'-5"	75'-7 1/2"	75'-9 1/2"	76'-0 1/2"	76'-3 1/2"	76'-6 1/2"	78'-0 1/2"	78'-0 1/2"	78'-1 1/2"	78'-3"	78'-4 1/2"	78'-4 1/2"	78'-6 1/2"	78'-8 1/2"	78'-10 1/2"	79'-1"	76'-4 1/2"	76'-4 1/2"	76'-4 1/2"	76'-5 1/2"	76'-5 1/2"	76'-6 1/2"	76'-8 1/2"	76'-8 1/2"	76'-8 1/2"	76'-8 1/2"	76'-8 1/2"	76'-8 1/2"	76'-8 1/2"	76'-8 1/2"	76'-8 1/2"	76'-8 1/2"	76'-8 1/2"	76'-8 1/2"
GRADE PERCENTAGE	3.795	3.749	3.611	3.402	3.517	3.616	3.627	3.688	3.763	3.834	3.879	3.949	3.279	3.175	2.983	3.081	3.183	3.179	3.244	3.317	3.370	3.425	2.466	2.350	2.537	2.721	2.728	2.906	3.091	3.221	2.062	2.131	2.310	2.503	2.502	2.683	2.868	3.057		

DESIGNED *J. McGowan*
 CHECKED *J. McGowan*
 DRAWN *K.H.O.*
 CHECKED *J. McGowan*

EXAMINED *V.M. Rinner*
 ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES

PASSED *J. McGowan*
 ENGINEER OF DESIGN

APPROVED *V.M. Rinner*
 CHIEF HIGHWAY ENGINEER

NOTE: Bevel girders through 12 @ 16 ft. span as shown

See table for percentages grade

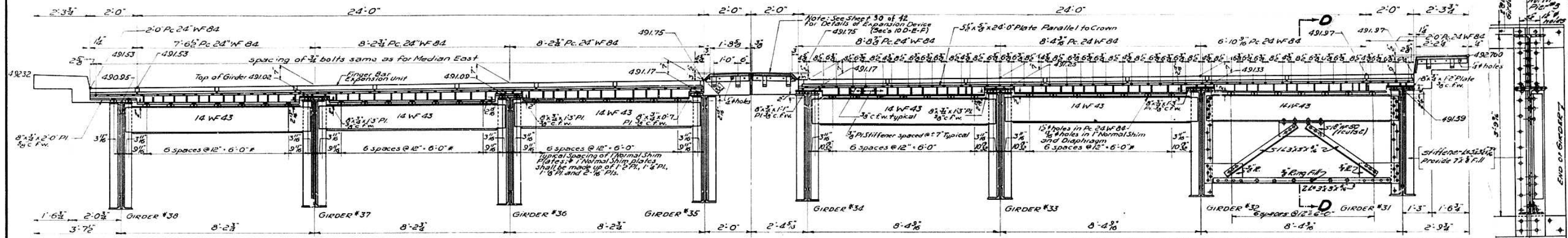
2'-0" - E Brg. N. Abutment

GIRDER BEVELS AT NORTH ABUTMENT.

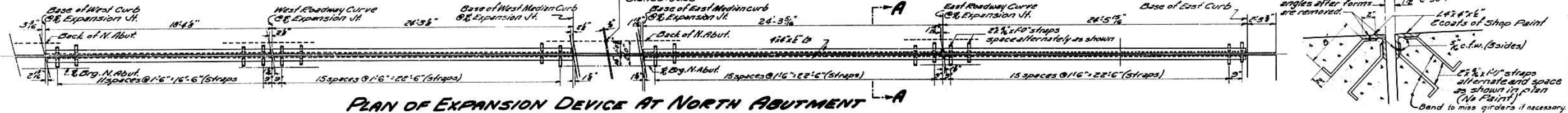
TYPICAL GIRDER
 PROJECT UI-48-(13)
 ILLINOIS RIVER BRIDGE AT PEORIA
 FAYETTE-JACKSON STREETS
 F.A. ROUTE 9 SECTION 10F1E-D-P
 PEORIA-TAZEWELL COUNTIES

FAI-74

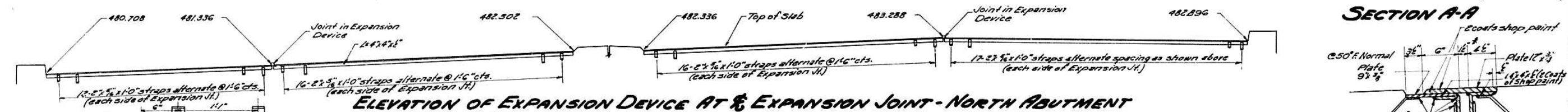
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9	10F-1	Peoria	29	11
	10F-2		29	11
	10F-3		29	11
	10F-4		29	11
	10F-5		29	11
	10F-6		29	11
	10F-7		29	11
	10F-8		29	11
	10F-9		29	11
	10F-10		29	11
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	10F-18		29	11
	10F-19		29	11
	10F-20		29	11
	10F-21		29	11
	10F-22		29	11
	10F-23		29	11
	10F-24		29	11
	10F-25		29	11
	10F-26		29	11
	10F-27		29	11
	10F-28		29	11
	10F-29		29	11
	10F-30		29	11
	10F-31		29	11
	10F-32		29	11
	10F-33		29	11
	10F-34		29	11
	10F-35		29	11
	10F-36		29	11
	10F-37		29	11
	10F-38		29	11
	10F-39		29	11
	10F-40		29	11
	10F-41		29	11
	10F-42		29	11
	10F-43		29	11
	10F-44		29	11
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	10F-92		29	11
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	10F-95		29	11
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	10F-99		29	11
	10F-100		29	11



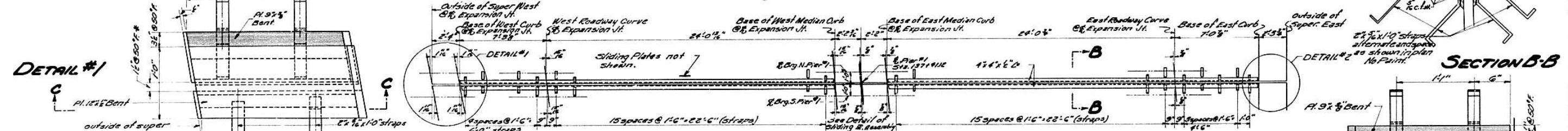
SECTION THROUGH & BRG. NORTH PIER #3-LOOKING NORTH-SHOWING EXPANSION GUARD ASSEMBLY
Note: Finger Bar Expansion Units (Pier #3) shall be furnished under Contract 10-F and shall be erected under Contract 10-E. The Sidewalk and Median Expansion Devices shall be furnished under Contract 10-D and shall be put in place under Contract 10-D.



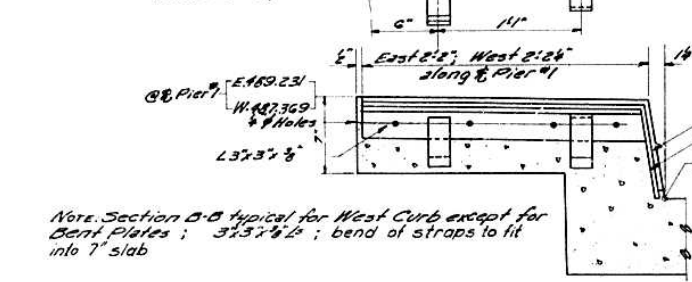
PLAN OF EXPANSION DEVICE AT NORTH ABUTMENT



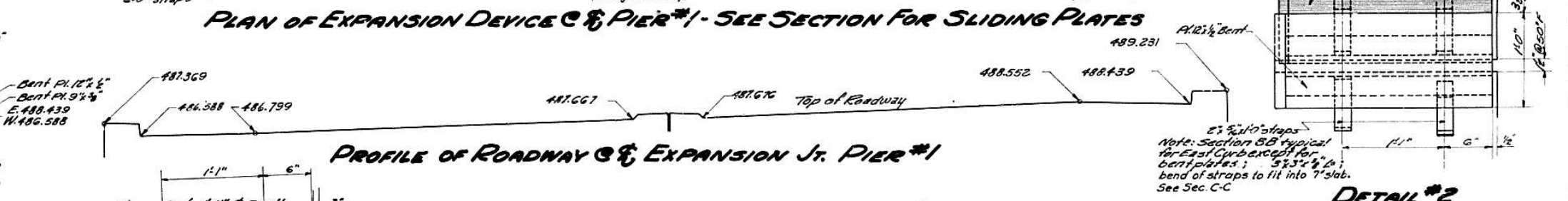
ELEVATION OF EXPANSION DEVICE AT EXPANSION JOINT - NORTH ABUTMENT



PLAN OF EXPANSION DEVICE @ PIER #1 - SEE SECTION FOR SLIDING PLATES



DETAIL #1

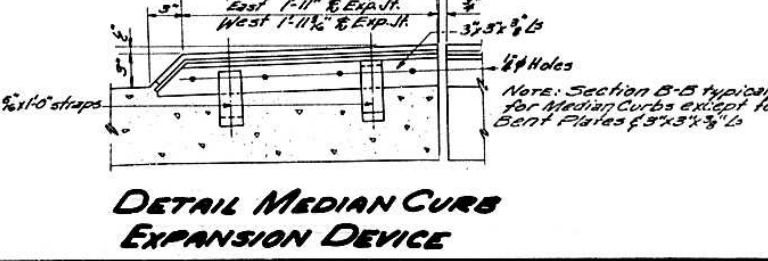


PROFILE OF ROADWAY @ EXPANSION Jt. PIER #1

DESIGNED *O.J. McLaughlin*
CHECKED *[Signature]*
DRAWN *O.J.M.C.*
CHECKED *[Signature]*

EXAMINED *V.W. Romine*
PASSED *[Signature]*
APPROVED *[Signature]*

DEC. 8 1955



DETAIL MEDIAN CURB EXPANSION DEVICE

Note: Expansion Devices as detailed for N. Abutment and Pier #1 shall be furnished and erected under Section 10-D.

*Note to Erector: Decrease this dimension by 1/8" per 100' of bridge between fixed bearings for each 15° rise in temperature above a normal temperature of 50°. Increase this dimension by the same amount for each 15° drop in temperature below normal.

QUANTITIES-EXPANSION DEVICE-NORTH ABUTMENT AND PIER #1

STRUCTURAL STEEL	CONTRACT 10D	1560	LBS.
------------------	--------------	------	------

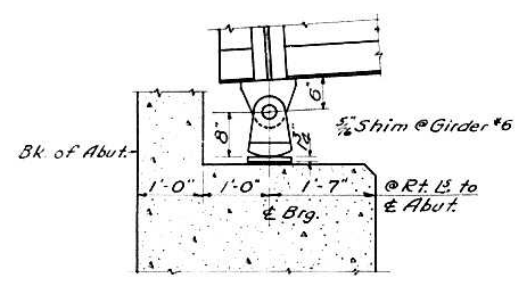
EXPANSION DEVICE DETAILS
PROJECT UI-48(13)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE-JACKSON STREETS
F.A.ROUTE 9-SECTION 10F-1-E-D-P
PEORIA COUNTY

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

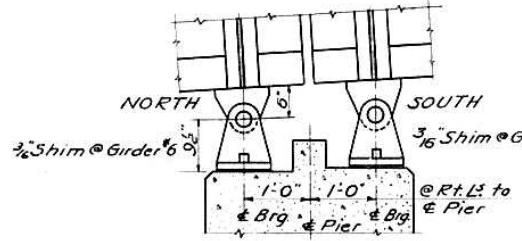
FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10F1	Peoria	13	11
F.A.R.T. 95	10F1		29	58
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

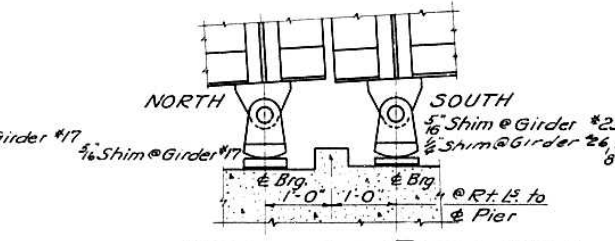
SHEET NO. 9
// SHEETS



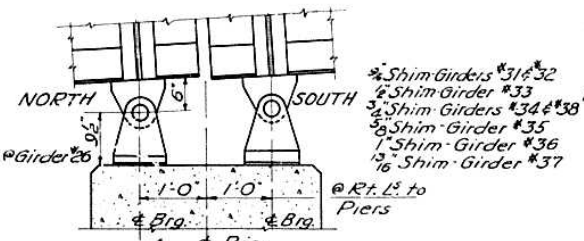
BRG. AT ABUTMENT



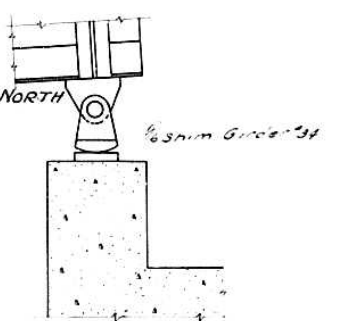
BRGS. AT PIER A



BRGS. AT PIER No. 1

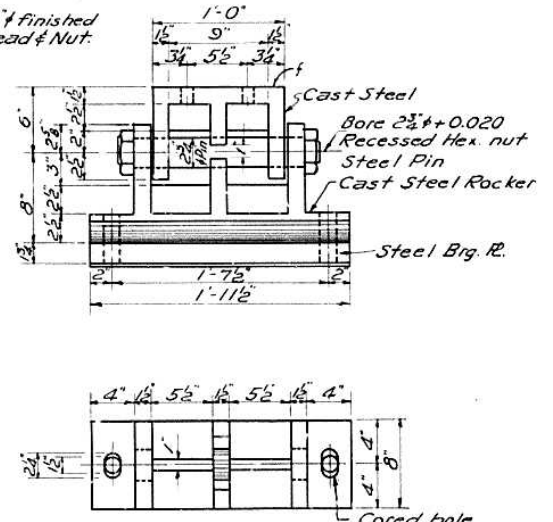
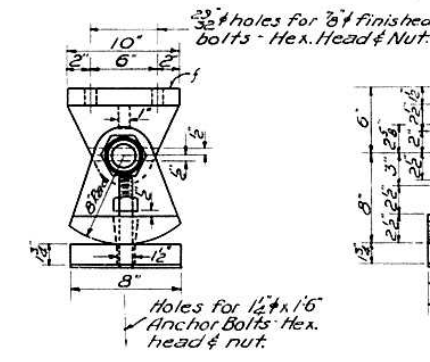


BRGS. AT PIER No. 2

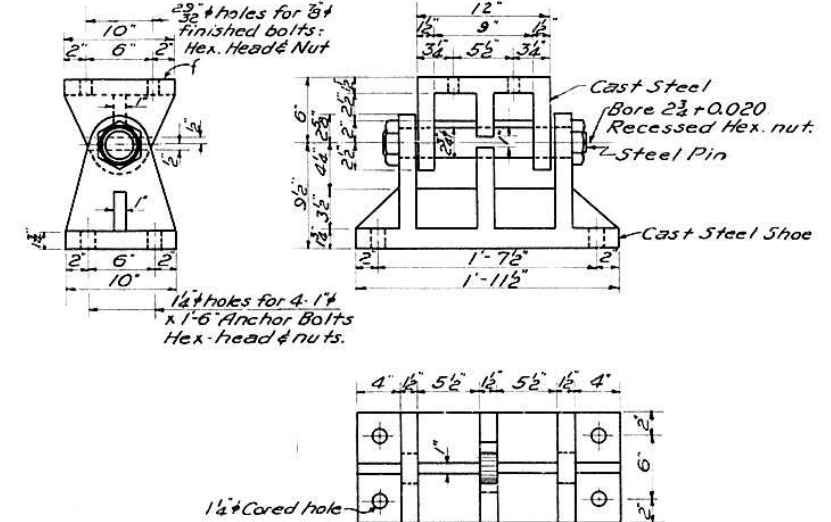


BRG. AT PIER No. 3

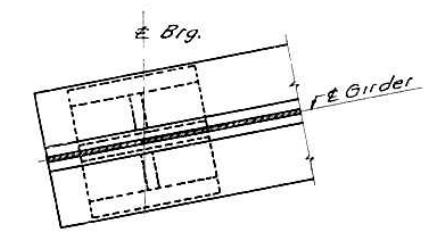
NOTE: - Use 3/8 x 23 1/2 Lead Plate under each Bearing.



DETAILS OF EXPANSION BRGS. AT ABUT., NORTH & SOUTH PIER No. 1 & NORTH PIER No. 3



DETAILS OF FIXED BRGS. AT NORTH & SOUTH PIER A & PIER No. 2



TYPICAL CONNECTION OF BRG. SHOE TO GIRDER

GENERAL NOTES

Class X Concrete shall be used throughout except as noted.
Handrail concrete shall be used in Abutment Abuts and Wings.
The Concrete Floor Slab shall be poured in one continuous operation between Construction Joints.
The Concrete Floor Slab shall be finished in accordance with Article 51.18(a) of the Standard Specification.
Rivets 3/4", Open Holes 1/2", unless noted.
Field Connections shall be riveted except as noted. High Tensile Steel Bolts may be used where it is impossible to drive Field Rivets. See Special Provisions.
All Rollers, Rockers, Bearing Plates, Lead Plates and Anchor Bolts shall be fabricated and set in accordance with Article 51.14 of the Standard Specifications.

Structural Steel-Carbon shall conform to Article 124.3 of the Standard Specification.
Cast Steel shall conform to Article 124.10 of the Standard Specifications.
Unless otherwise noted, Structural Steel and Cast Steel shall be given one shop coat of Red Lead Paint and two field coats of Aluminum Paint.
All Paint shall be furnished by the Contractor involved.
The Bottom Pipe of the Handrail on each side of the Bridge will be used to carry Electrical Cable for the Lighting System. The inside of this Pipe shall be free of burrs and rough edges for the entire length of the bridge.
Junction Boxes shall be equal or similar to Appleton Unilet Type BT-Threaded, 3" size, furnished with a Blank Malleable Cover with Basket. The opening shall be on Top and the Middle Hole shall face away from the Roadway. Three (3) Junction Boxes required.
Servicised Split-Type Flat Rubber Waterstop or equal and Servicised Products Corp. Rubber Cementone - Code 3329 or equal are to be included in the Item Class X Concrete.
Railings shall be adjusted to true alignment after Safety Walks have been poured.

DESIGNED	<i>O. J. McLaughlin</i>
CHECKED	<i>E. G. Hillman</i>
DRAWN	<i>K. H. O.</i>
CHECKED	<i>E. G. R.</i>

EXAMINED	<i>V. W. F. Finner</i>	1955
PASSED	<i>E. T. Schuch</i>	
APPROVED	<i>B. B. Baetzler</i>	

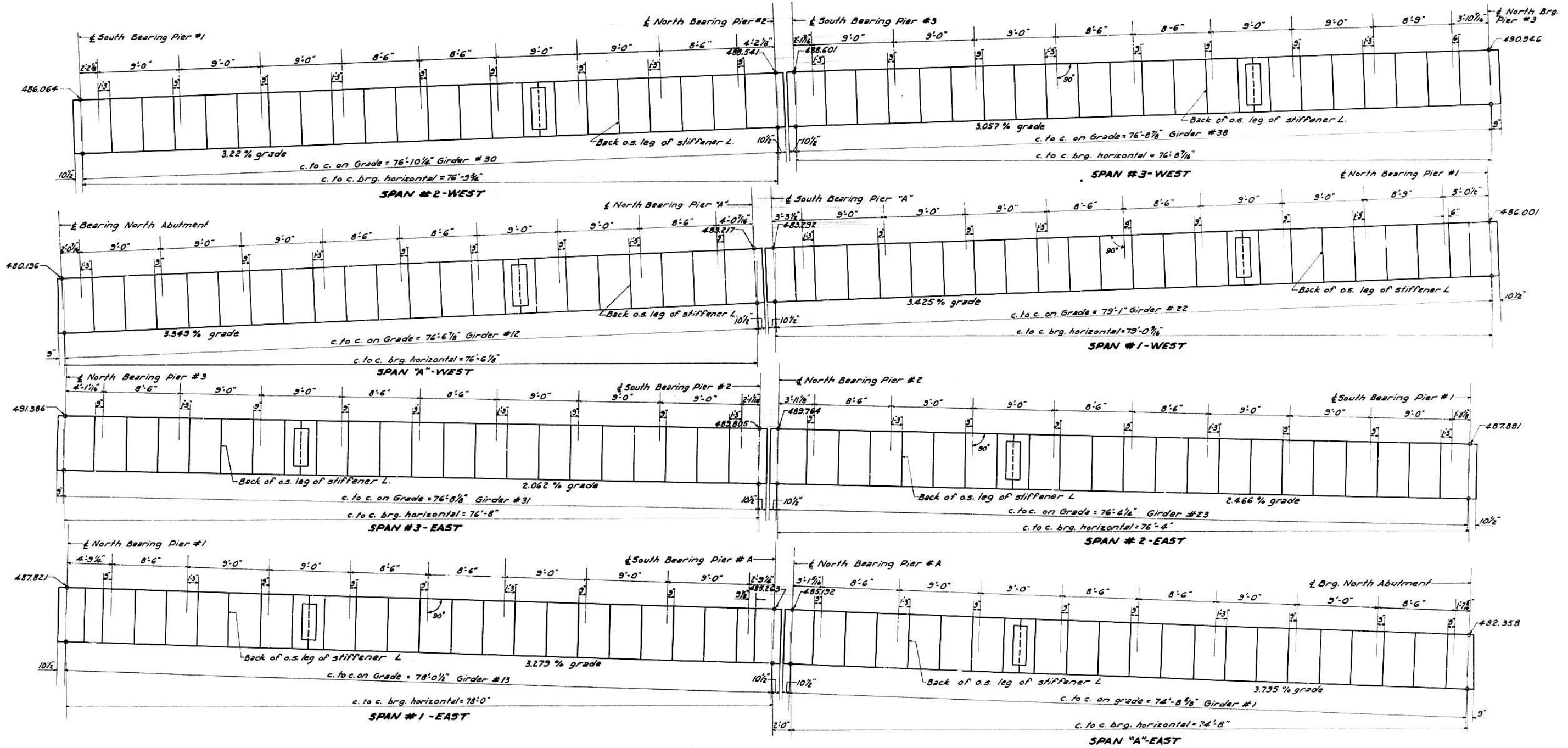
BEARING DETAILS
NORTH APPROACH SPAN
PROJECT UI-48(13)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A.R.T. 9 SECTION 10F1-E-D-P
PEORIA COUNTY

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10F-1	Peoria	27	13
F.A.I. 05	10B		54	13
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 10
11 SHEETS



SPACING OF RAIL POST BRACKETS ON OUTSIDE GIRDERS

DESIGNED	<i>[Signature]</i>	EXAMINED	<i>[Signature]</i> Dec. 8 1955
CHECKED	<i>[Signature]</i>	PASSED	<i>[Signature]</i>
DRAWN	O.J.Mc J.Ganci	APPROVED	<i>[Signature]</i> CHIEF HIGHWAY ENGINEER
CHECKED	<i>[Signature]</i>		

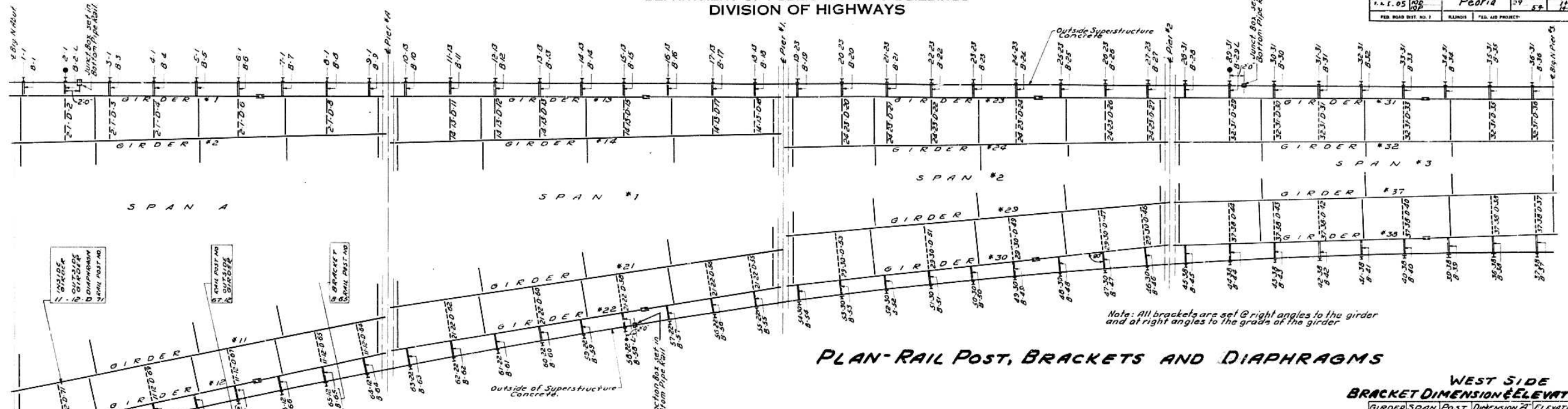
STRUCTURAL STEEL
SPACING OF RAIL POST BRACKETS
PROJECT UI-48-(13)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE-JACKSON STREETS
F.A. ROUTE 9 SECTION 10F-1-E-D-P
PEORIA COUNTY

FAI-74

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 9	10F-1	Peoria	54	13
R.I. 65	65		54	14
PER ROAD DIST. NO. 1		BLINDS	PER. AND PROJECT	

11 SHEETS



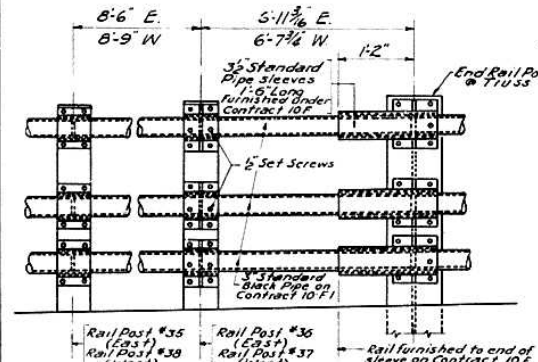
PLAN - RAIL POST, BRACKETS AND DIAPHRAGMS

Note: All brackets are set @ right angles to the girder and at right angles to the grade of the girder

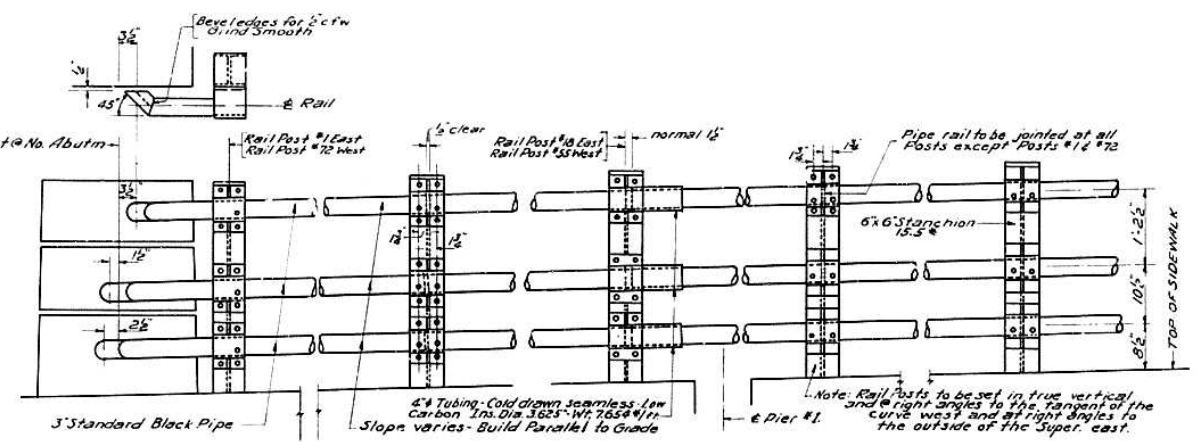
WEST SIDE
BRACKET DIMENSION & ELEVATIONS - RAIL POSTS

GIRDER	SPAN	POST	DIMENSION A'	ELEVATION B'	ELEVATION D'
38	3	37	3'-7 1/8"	492.197	490.824
		38	3'-4 1/8"	491.924	490.556
		39	3'-1 1/8"	491.647	490.281
		40	3'-0 9/16"	491.370	490.006
		41	2'-11 1/8"	491.110	489.747
		42	2'-11 1/8"	490.845	489.401
		43	3'-1 1/8"	490.564	489.212
		44	3'-3"	490.310	488.937
		45	3'-7 1/8"	489.998	488.662
30	2	46	3'-7 1/8"	489.745	488.401
		47	3'-4 1/8"	489.471	488.127
		48	3'-1 1/8"	489.177	487.837
		49	3'-0 9/16"	488.877	487.547
		50	3'-0 1/2"	488.590	487.274
		51	3'-0 3/4"	488.307	487.000
		52	3'-1 1/8"	488.033	486.710
		53	3'-3 3/8"	487.756	486.420
		54	3'-5 1/8"	487.474	486.130
22	1	55	3'-3 3/8"	487.185	485.823
		56	3'-1 3/8"	486.902	485.523
		57	3'-0 1/2"	486.604	485.215
		58	2'-11 1/8"	486.302	484.906
		59	2'-11 1/8"	486.011	484.615
		60	2'-11 1/8"	485.717	484.324
		61	3'-1 1/8"	485.399	484.016
		62	3'-3 3/8"	485.076	483.708
		63	3'-5 1/8"	484.750	483.399
12	A	64	3'-4 1/8"	484.409	483.051
		65	3'-2 1/8"	484.090	482.716
		66	3'-0 1/2"	483.747	482.360
		67	2'-11 1/8"	483.400	482.005
		68	2'-11 1/8"	483.065	481.670
		69	2'-11 1/8"	482.726	481.334
		70	3'-0 1/8"	482.363	480.979
		71	3'-1 3/8"	481.994	480.624
		72	3'-3 3/8"	481.622	480.269

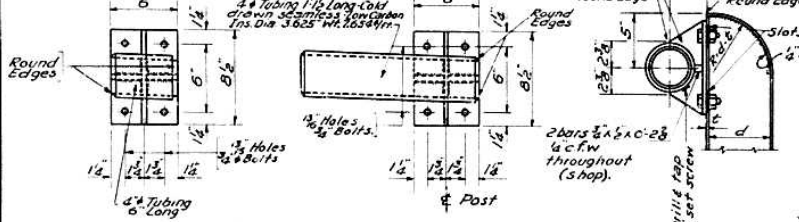
*No allowance included for dead load deflection in computation of elevations.



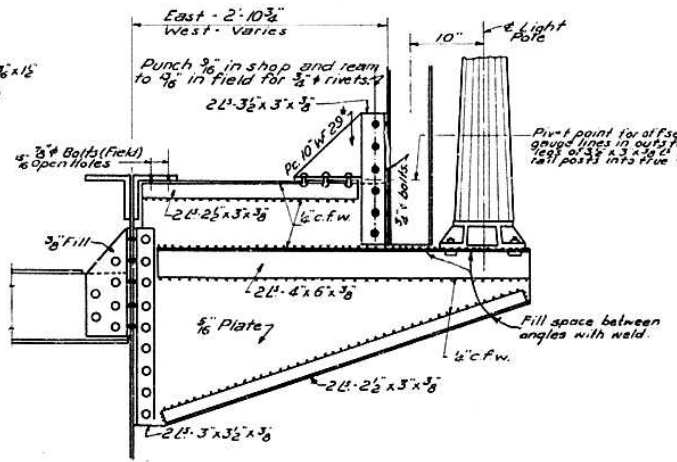
DETAIL OF RAIL AT PIER #3



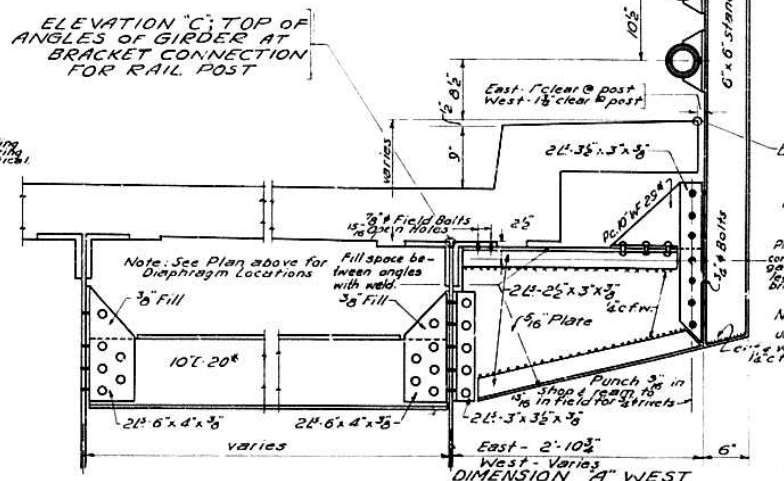
RAIL DETAILS FOR NORTH APPROACH



DETAIL OF RAIL BRACKETS



RAIL POST BRACKET "B(-) - L"
(to be located as shown in plan above)



"B(-)" RAIL POST BRACKET & DIAPHRAGM "D"

ELEVATION 'B' - TOP OF WATER TABLE AT RAIL POST

Note: Dimension 'A' is measured at right angles to the girder and is from E of girder to face of rail post.

Pivot about E of connection for of fast gauge lines in outstanding leg of 3/8" x 3/8" plate to bring rail posts into vertical.

Note: Use lock nuts on all unfinished bolts.

STRUCTURAL STEEL RAIL DETAILS
NORTH APPROACH SPAN
PROJECT UI-48(13)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10F-1-E-D-P
PEORIA COUNTY

DESIGNED	<i>J. McLaughlin</i>	EXAMINED	<i>V. M. Romine</i>
CHECKED	<i>E. J. Hill</i>	PASSED	<i>E. J. Hill</i>
DRAWN	<i>O. J. McLaughlin</i>	APPROVED	<i>B. M. Brantley</i>
CHECKED	<i>E. J. Hill</i>		

Dec. 8 1955

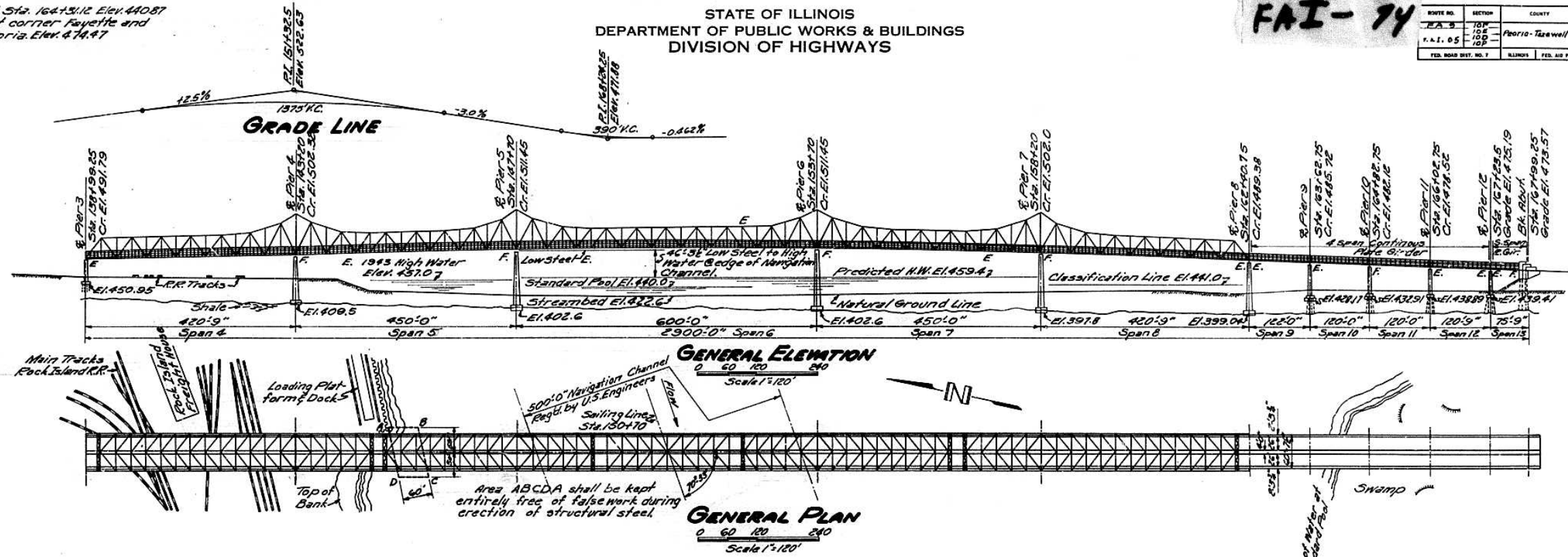
B.M. Concrete Monument @ Sta. 164+31.6 Elev. 440.87
 B.M. Iron rod at Southwest corner Fayette and
 Washington Streets, Peoria. Elev. 474.47

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-74	10D	Peoria-Tazewell	42	14
F.A.I. 05	10D		42	14
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	42	14

SHEET NO. 14
 42 SHEETS



L0	L3	L6	L9	L12	L16	L19	L22	L25	L28	L31	L34	L37	L41	L44	L47	L50	L53	L56	L59	L62	L66	L69	L72	L75	L78
3	2	10	11	6	7	15	14	22	18	20			17	21	19	16	13	5	8	9	12	4	1		
1	4	12	9	8	5	13	16	19	21	17			20	18	22	14	15	7	6	11	10	2	3		

TRUSS FLOOR SLAB POURING SEQUENCE

Note: The floor slab between L34 and L44 may be poured in any sequence but shall not be poured until the floor slab from L0 to L34 and from L78 to L44 has been completed.
 No deviation from the pouring sequence will be permitted without written permission from the Engineer.

STATION 151+90.79
 BUILT 195 BY
 STATE OF ILLINOIS
 F.A.I. P. 5 Sec. 103-D-E-P
 F.A. PROJECT I-05-4 (2)
 LOADING H20-S16

LETTERING FOR NAME PLATE
 See Std. 2113

DESIGN STRESSES

Structural Steel: Carbon Low Alloy
 Axial Tension 18,000^{psi} 27,000^{psi}
 Axial Compression 13,000-25^(%) 22,000-56^(%)
 Reinforcement Bars $f_s = 20,000 \text{ psi}$
 Concrete $f_c = 1400 \text{ psi}$ $n = 10$

DESIGNED J.J. Rayburn
 CHECKED C.E. Thum
 DRAWN E. Rush
 CHECKED J.J. Rayburn

EXAMINED W.M. Romine
 PASSED [Signature]
 APPROVED R.H. Bartelme

GENERAL NOTES

Class X Concrete shall be used thruout except as noted.
 Handrail Concrete shall be used in abutment posts & wings.
 The concrete floor slab shall be poured in one continuous operation between construction joints.
 The concrete floor slab shall be finished in accordance with Article 51.18(a) of the Standard Specifications.
 Field connections riveted except as noted. High Tensile Steel Bolts may be used where it is impossible to drive field rivets. See Special Provisions.
 All rollers, rockers, bearing plates, lead plates and anchor bolts shall be fabricated and set in accordance with Article 51.14 of the Standard Specifications.
 Roadway expansion guards shall be assembled in the shop in their proper position with the adjacent ends in place and shall be left assembled for shop inspection.
 Plates shall be flame cut in accordance with Article 55.4(1) of the Standard Specifications.
 Structural Steel-Carbon shall conform to Article 124.3 of the Standard Specifications.
 Structural Steel-Low Alloy (A242) shall conform to Article 124.4 of the Standard Specifications.
 Cast Steel shall conform to Article 124.10 of the standard Specifications.
 Unless otherwise noted, Structural Steel and cast steel shall be given one shop coat of red lead paint and two field coats of aluminum paint.
 All paint shall be furnished by the Contractor.
 The bottom pipe of the handrail on each side of the bridge will be used to carry electrical cable for the lighting system. The inside of this pipe shall be free of burrs and rough edges for the entire length of the bridge.
 Pipe railing and Lubrite (or equal) bushings shall be included for payment as Structural Steel-Carbon.

TOTAL BILL OF MATERIAL
 SPANS 4-13 INCL.

Item	Unit	Section 10D	Section 10E	Section 10F	Section 10P
Class X Concrete	Cu. Yds.	3723.3			
Handrail Concrete	Cu. Yds.	16.5			
Masonry Facing	Sq. Ft.	43			
Reinforcement Bars	Lbs.	761,760			
Structural Steel-Carbon	Lbs.	26,340	10,583,870	10,583,870	10,610,210
Structural Steel-Low Alloy	Lbs.		4,132,360	4,932,360	4,932,360
Cast Steel	Lbs.		130,290	130,290	130,290
Open Steel Floor	Sq. Ft.		9,030		9,030
Name Plates	Each	1			
Junction Boxes	Each			49	

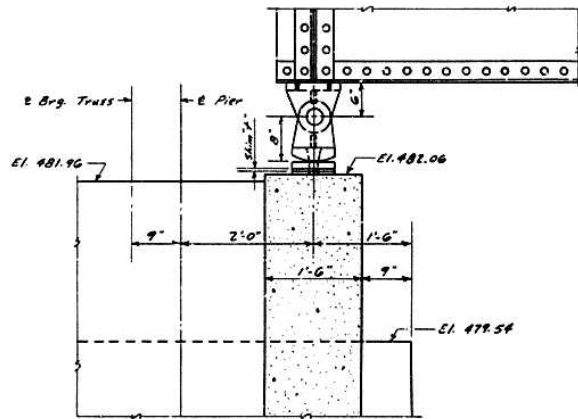
SECTIONS 10E-D-P PROJ. I-05-4(2)
 GENERAL PLAN & ELEVATION
 PROJECT UT-48(1)
 ILLINOIS RIVER BRIDGE AT PEORIA
 FAYETTE - JACKSON STREETS
 F.A.I. RT. 05 - F.A. ROUTE 9 SECTION 10D-E-F-P
 PEORIA - TAZEWELL COUNTIES

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

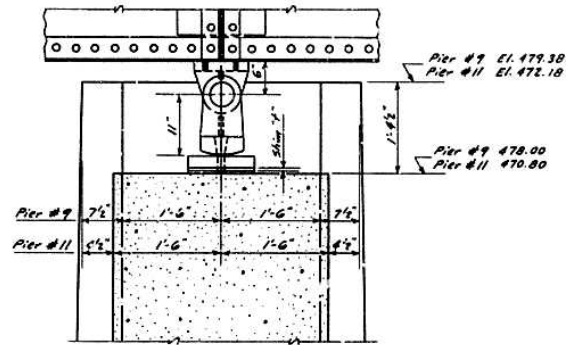
FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10 F	Peoria-Tazewell	37	4
F.A.R. 05	10B		54	10
			54	16
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

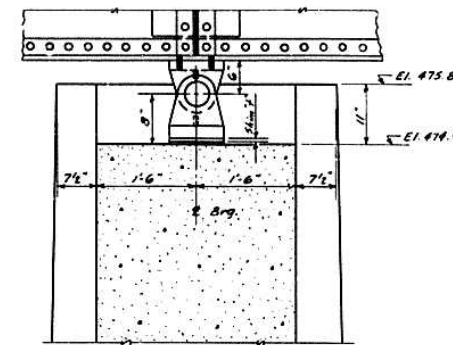
SHEET NO 2
22 SHEETS



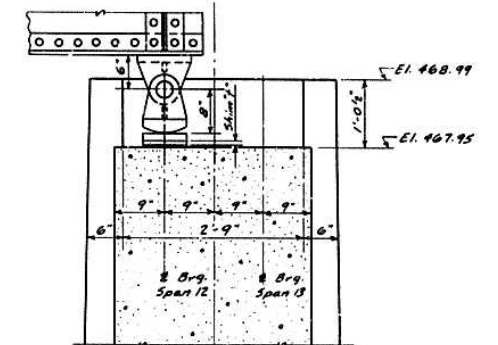
GIRDER BEARING @ PIER #8



GIRDER BRG. @ PIERS #9 & #11

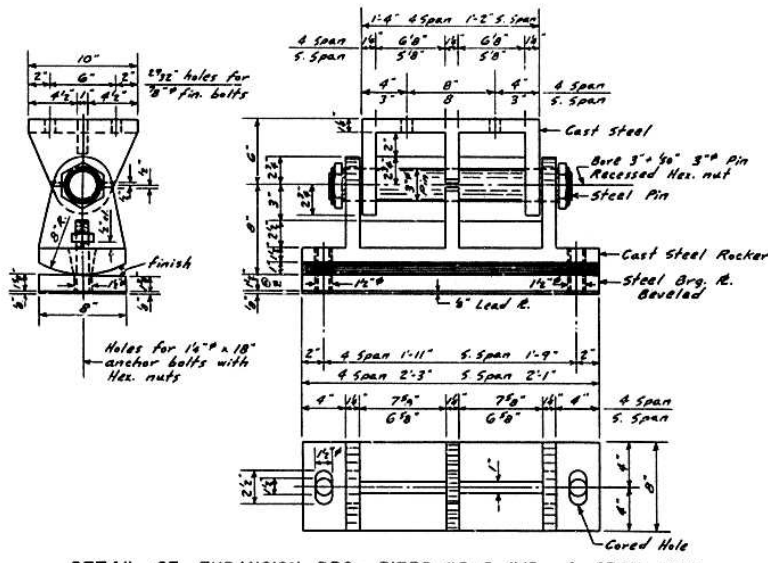


GIRDER BRG. @ PIER #10

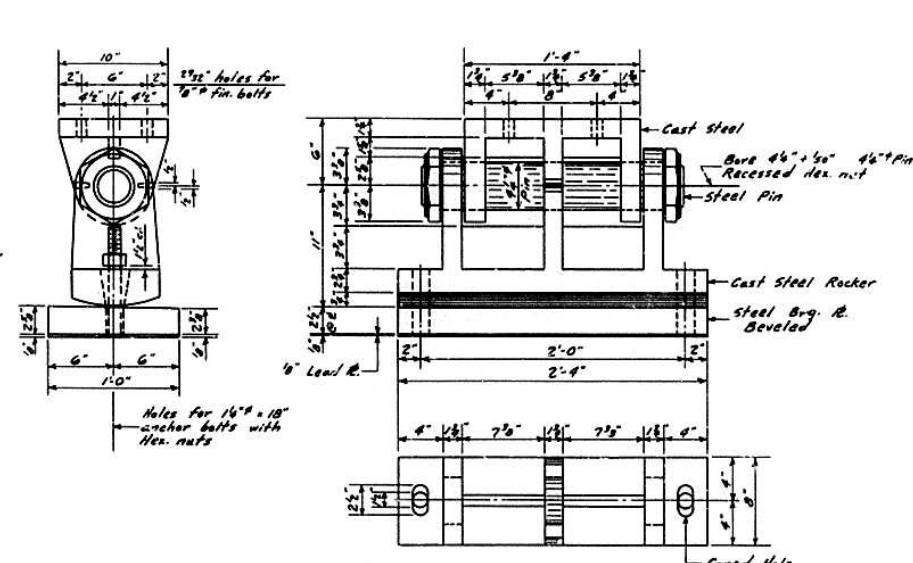


GIRDER BRG. @ PIER #12

Note: Place Bearing Plates with thick edge up-grade.

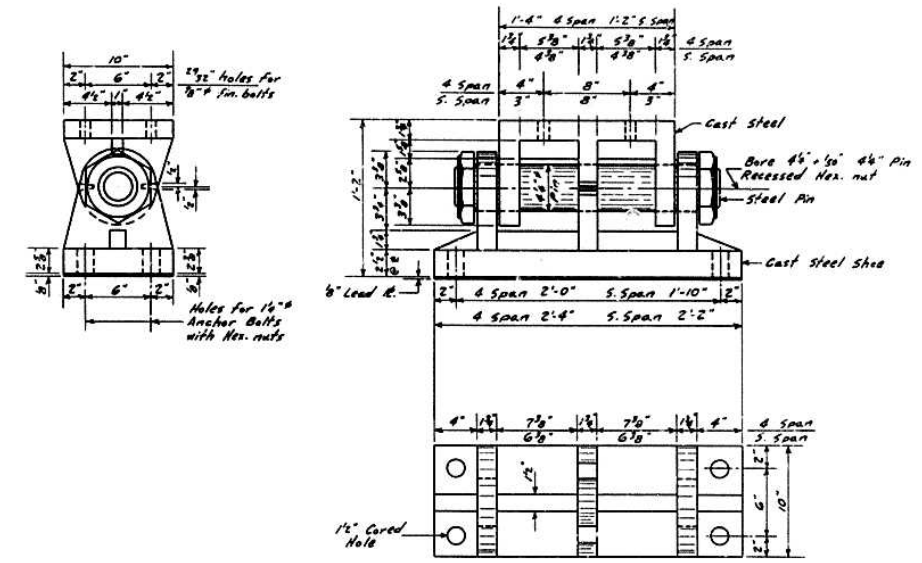


DETAIL OF EXPANSION BRG. - PIERS #8 & #12 - 4 SPAN UNIT
DETAIL OF EXPANSION BRG. - PIER #12 - SINGLE SPAN UNIT
Exp. Brg. @ Pier #3 & 8 @ End Floor Bm. Same as shown for Single Span



DETAIL OF EXPANSION BRG. - PIERS #9 & #11

Shim "f"	GIRDER							
	1	2	3	4	5	6	7	8
	0	1/8	1/8	25/64	25/64	1/8	3/8	0



DETAIL OF FIXED BRG. - PIER #10 - 4 SPAN UNIT
DETAIL OF FIXED BRG. - SOUTH ABUT. - SINGLE SPAN UNIT

QUANTITIES* IR GIRDER BEARINGS

Sec. 10-E&F (Carbon Steel) 18,730 Lbs.
(Cast Steel) 22,170 Lbs.
*Note: Does not include weight of Exp. Brgs. @ Pier #3 & 8 @ End Floor Bm.

DESIGNED	G. E. Thum
CHECKED	J. I. Ryburn
DRAWN	W. A. Sausaman, Jr.
CHECKED	J. I. Ryburn

EXAMINED	July 8 1955
PASSED	M. Rossini
APPROVED	R. H. ...

BEARING DETAILS - GIRDER SPANS
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F. A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

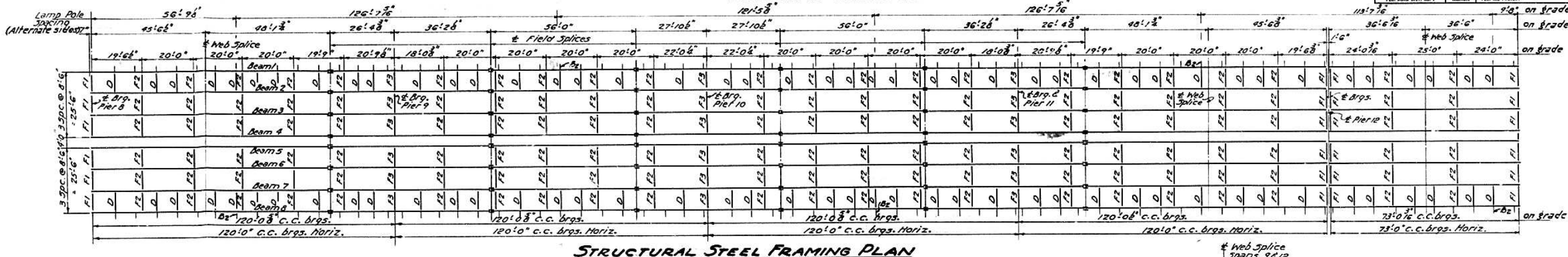
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FAI-74

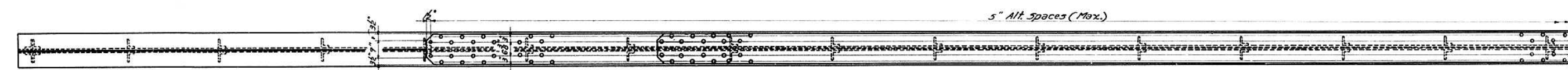
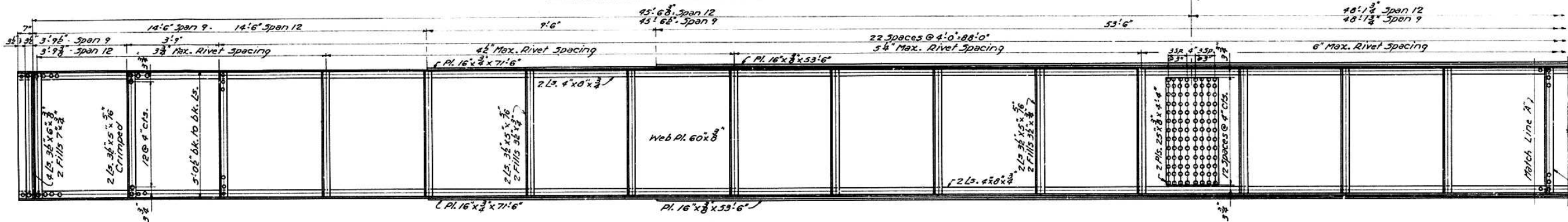
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10E	Peoria-Tazewell	37	5
F.A.I. 05	10E		54	17

SHEET NO. 3
42 SHEETS

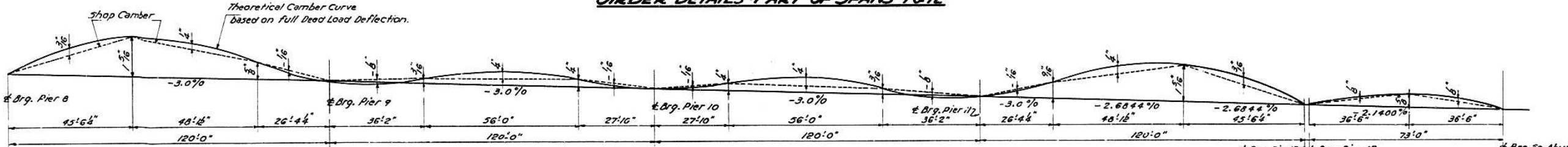
Note: Add 2'-0" to lamp pole spacing for spacing of junction boxes located in bottom rail of Handrail. See Sheet #1 for the proper side to locate box.



STRUCTURAL STEEL FRAMING PLAN



GIRDER DETAILS - PART OF SPANS 9 & 12

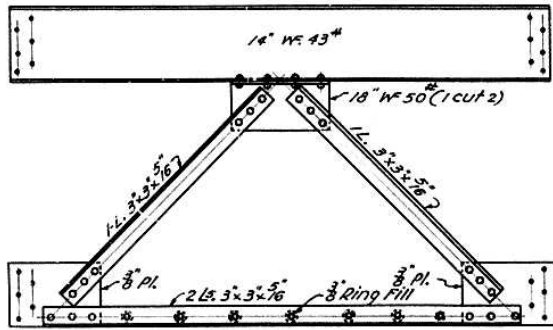


CAMBER DIAGRAM SPANS - 9-10-11-12 & 13

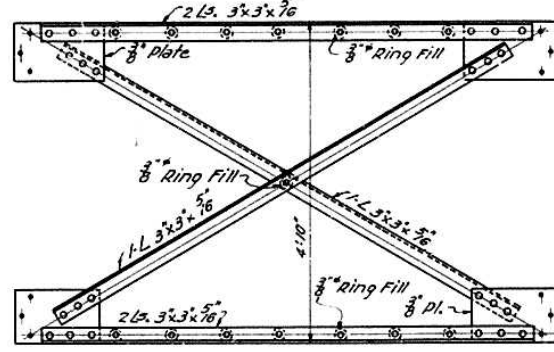
BILL OF MATERIAL - PLATE GIRD.

Section 10-E & F		
ITEM	TOTAL	
Carbon Steel	Lbs.	1,400,870

Note: Does not include Expansion Devices, or Bearings



TYPICAL FRAME - F1



TYPICAL FRAME - F2 & F3

DESIGNED	Carl E. Trummel
CHECKED	R. Ravalli
DRAWN	K. Oehmke
CHECKED	J. R.

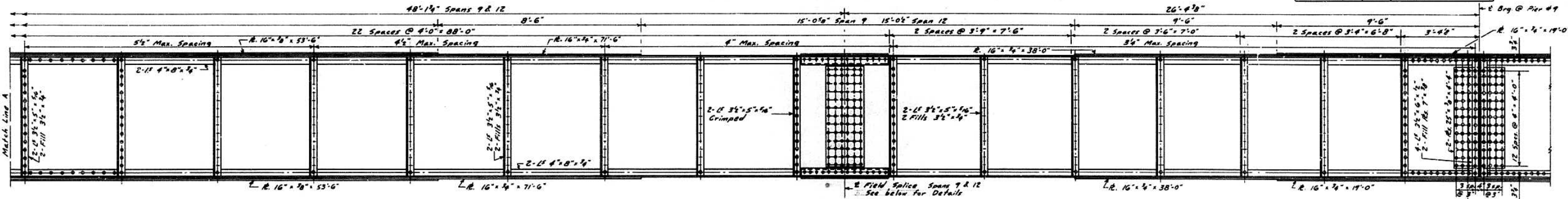
EXAMINED	July 8 1955
PASSED	[Signature]
APPROVED	[Signature]

FRAMING & CAMBER - GIRDER SPANS
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

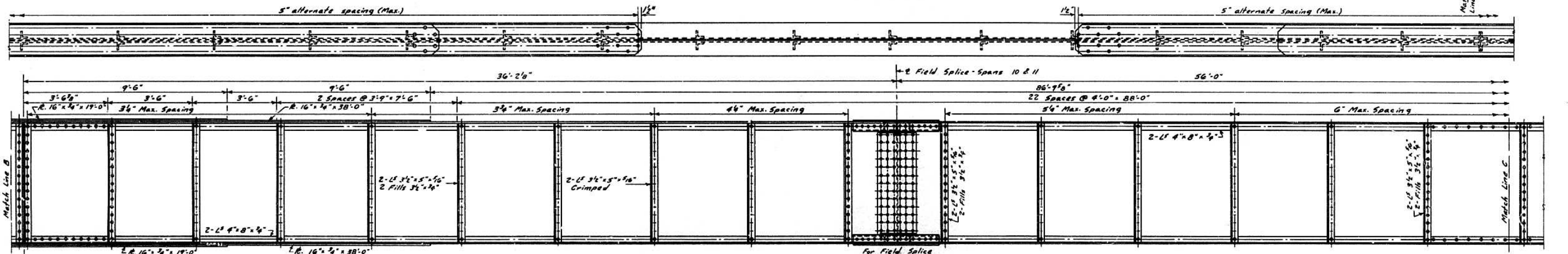
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FAI-74

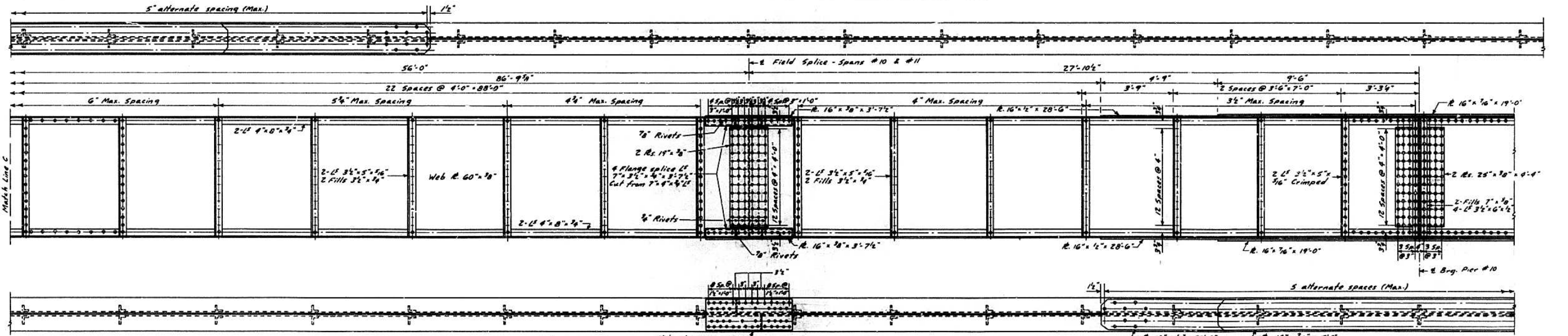
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4
FA 9	10E	Peoria-Tazewell	37	6	42 SHEETS
F.A.T. 05	10E		34	18	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	54	18	



GIRDER DETAILS - SPANS #9 & #12



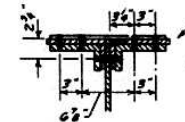
GIRDER DETAILS - SPANS #10 & #11



GIRDER DETAILS - 4 SPAN UNIT
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

DESIGNED: Carl E. Thymann
CHECKED: G. J. Rayburn
DRAWN: W. A. Sausman, Jr.
CHECKED: G. J. Rayburn

EXAMINED: W. M. Ross
PASSED: [Signature]
APPROVED: R. D. [Signature]



Note: Splice detail shown above is typical for all points of field splice. Use Web splice only with shop rivets at points shown on framing plan. Crimp all intermediate stiffener I's except at cross frame connections. All rivets 3/4\"/>

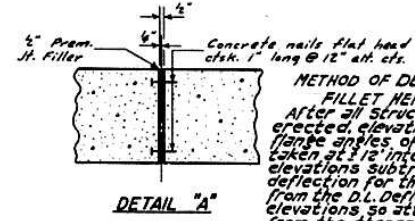
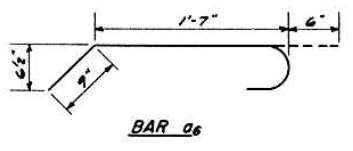
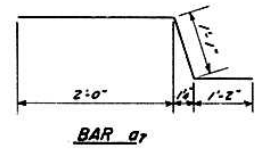
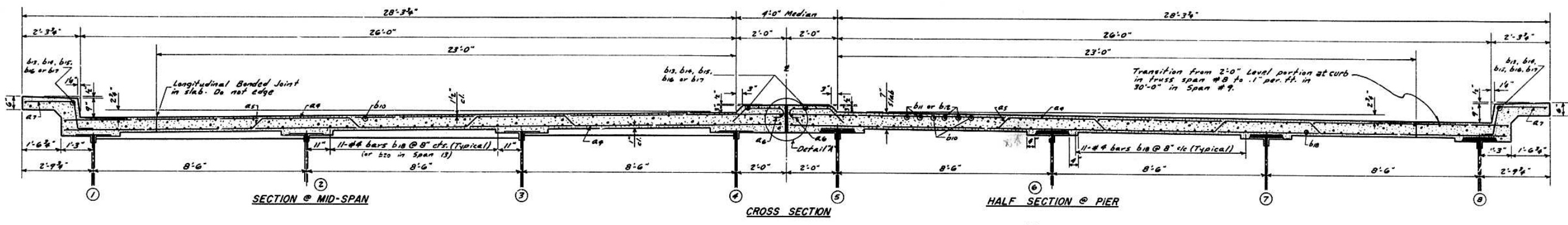
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FAI-74

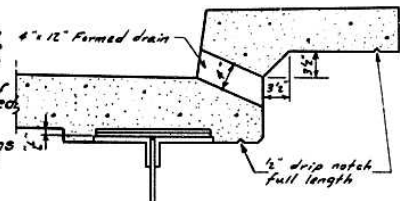
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
EA 9	10E	Peoria-Tazewell	37	19
F.A.R. 05	10D		23	18
	10P		34	17

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT

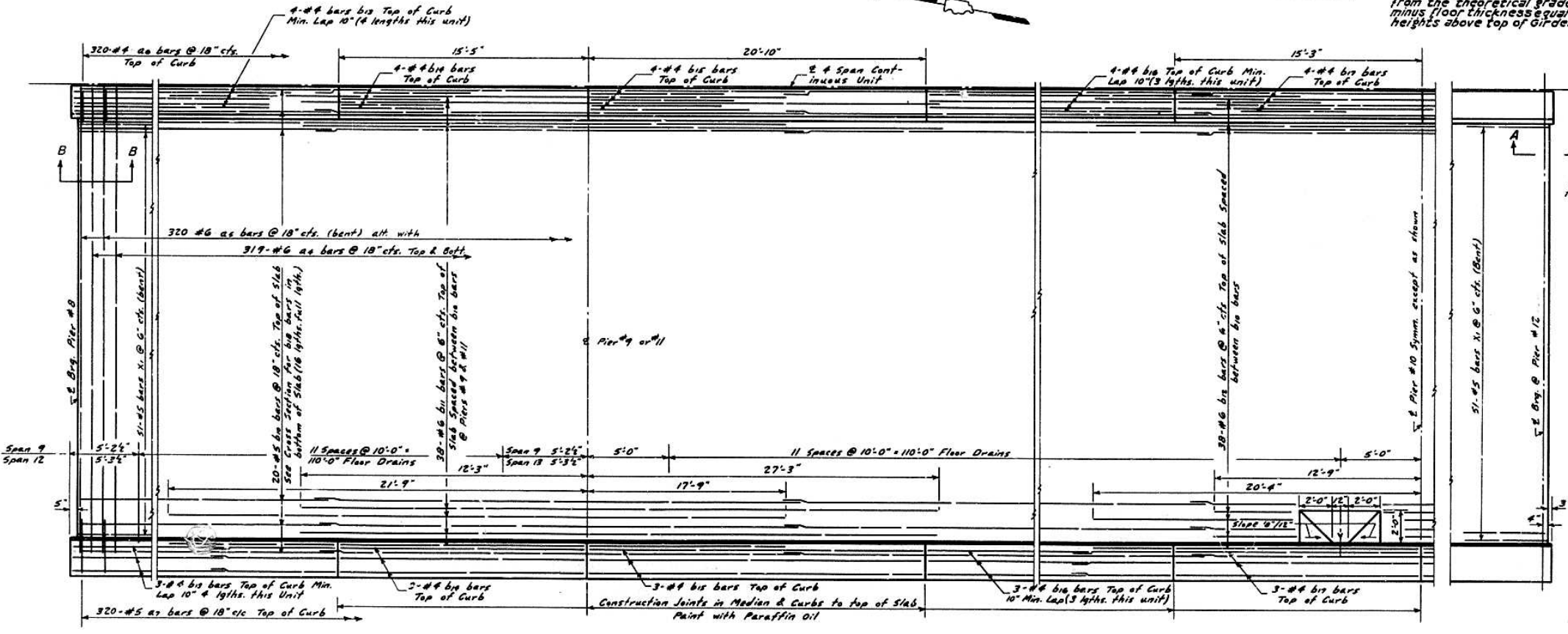
SHEET NO. 5
42 SHEETS



METHOD OF DETERMINING FILLET HEIGHTS:
After all structural steel has been erected, elevations of the top of the flange angles of the girders shall be taken at 12" intervals. From these elevations subtract the increment of deflection for these points, determined from the D.L. Deflection diagram. The elevations so obtained, subtracted from the theoretical grade elevations minus floor thickness equals the fillet heights above top of girders.



Note: Floor drains shall be spaced in the floor slab so as to miss Cross Frames & Piers.



See sheet # 6 for Section A-A

BILL OF MATERIAL

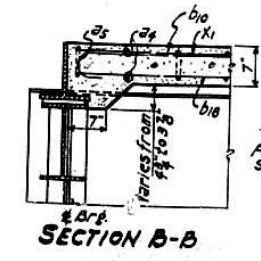
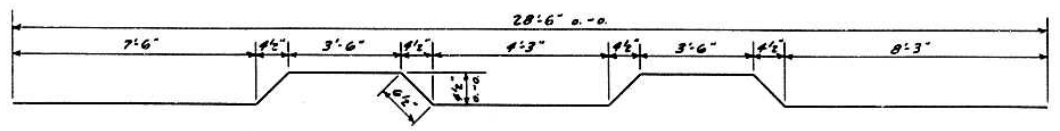
Bar	No.	Size	Length	Shape
a2	1276	#6	28'-5"	
a5	640	#6	29'-2"	
a6	640	#4	2'-10"	
a7	640	#5	4'-3"	
b10	640	#5	31'-0"	
b11	152	#6	39'-6"	
b12	76	#6	33'-1"	
b13	112	#4	26'-11"	
b14	28	#4	15'-1"	
b15	28	#4	20'-6"	
b16	84	#4	28'-10"	
b17	28	#4	15'-0"	
b18	1152	#4	31'-6"	
x1	204	#5	3'-9"	

Sec. 10-D Class X Concrete Cu. Wt. 670.4
Reinforcement Bars Lb. 149,260

* For details of bar x1, see sheet # 6

DESIGNED Carl E. Hummer
CHECKED J. J. Fayburn
DRAWN W. A. Sausaman, Jr.
CHECKED J. J. Fayburn

EXAMINED V. M. Romine
PASSED R. H. Bartelme
APPROVED R. H. Bartelme
July 8 1955



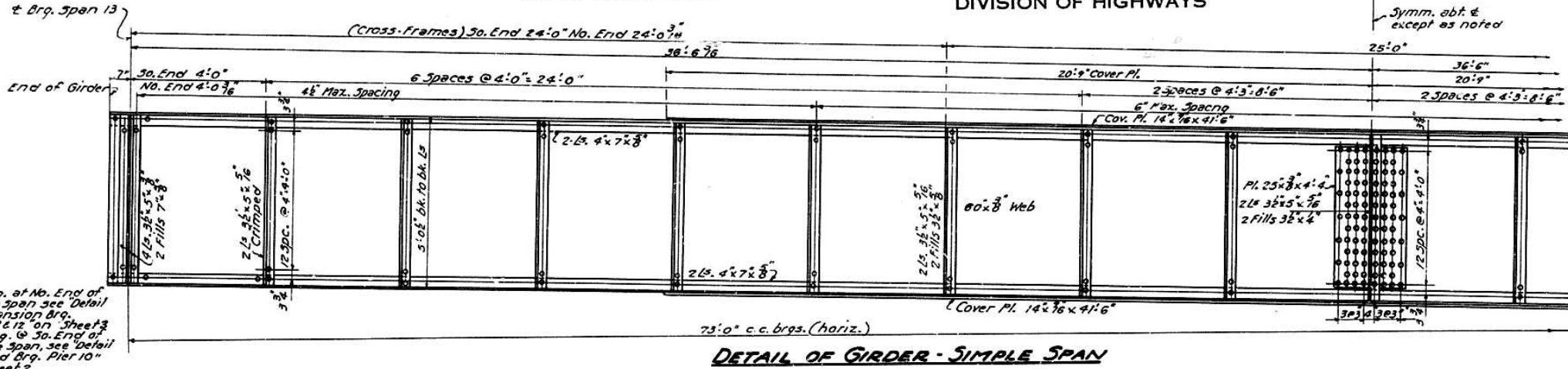
DECK-4 SPAN UNIT
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10D-E-F-P
PEORIA - TAZEWELL COUNTIES

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
E.A. 9	10D	Peoria-Tazewell	37	8
F.A. 9	10D		28	17
F.A. 9	10D		28	20

SHEET NO. 6
#2 SHEETS

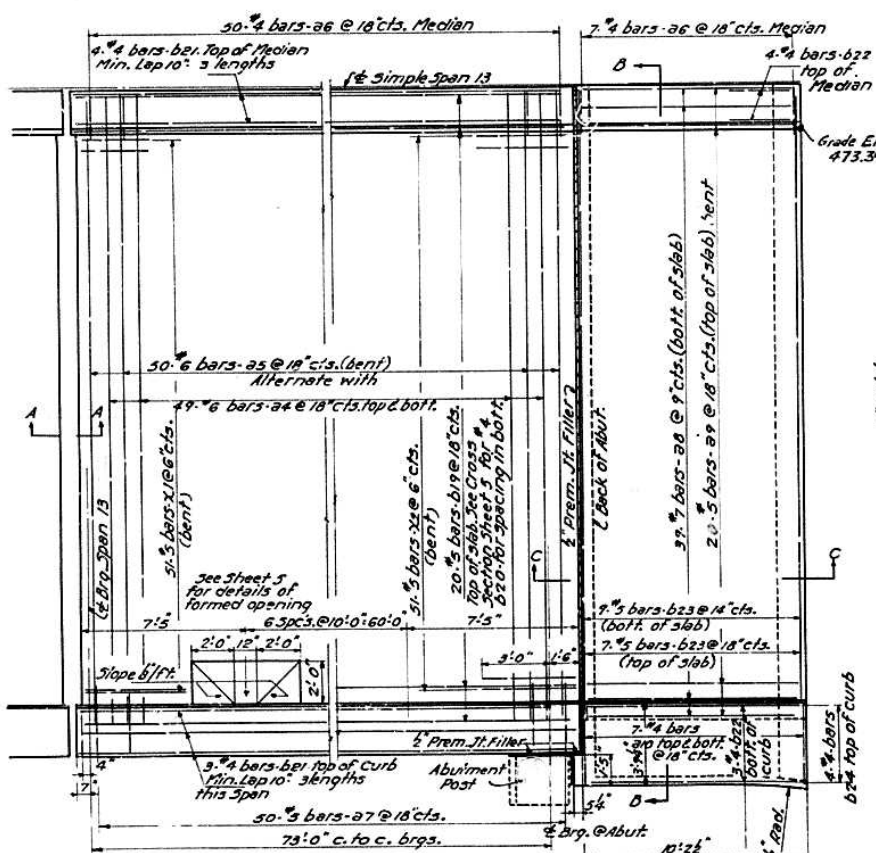
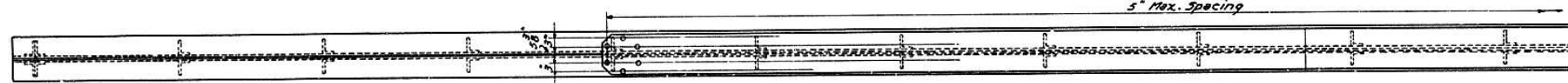
Note: For spacing of Diaphragms and Rail Posts see Sheets 3 & 8



DETAIL OF GIRDER - SIMPLE SPAN

For Brg. at No. End of Simple Span see Detail of Expansion Brg. Piers 8 & 12 on Sheet 3 for brg. @ So. End of Simple Span, see Detail of Fixed Brg. Pier 10 on Sheet 2

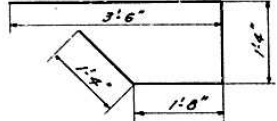
Symm. abt. & except as noted



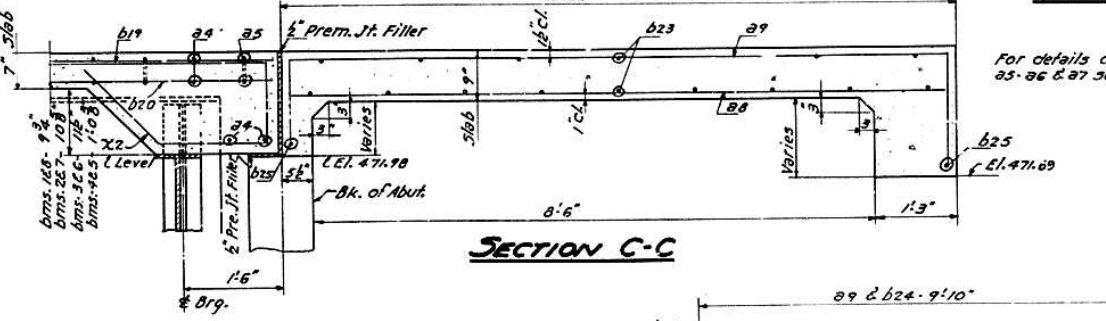
HALF PLAN OF SPAN 13 & APPROACH SPAN



SECTION B-B

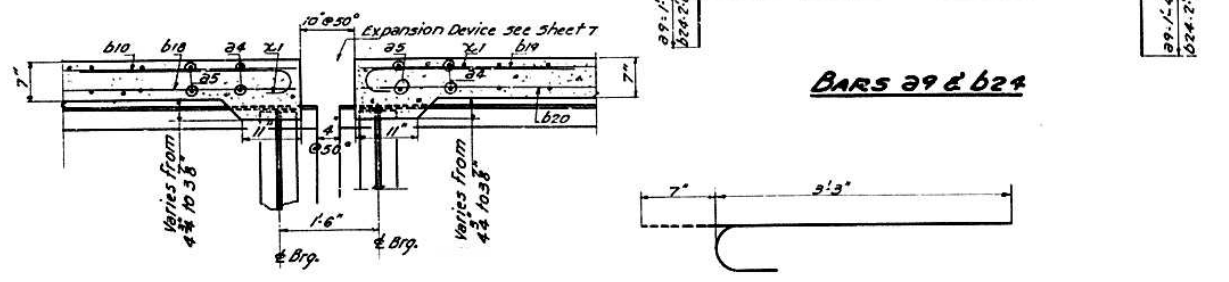


BAR X2



SECTION C-C

For details of bent bars 25, 26 & 27 see Sheet 5



SECTION A-A

BAR X1

BILL OF MATERIAL - SIMPLE SPAN

BAR NO.	SIZE	LENGTH	SHAPE
24	200	"6	28'5"
25	100	"6	29'2"
26	100	"4	2'10"
27	100	"5	4'3"
b19	120	"5	25'5"
b20	218	"4	25'5"
b21	42	"4	25'7"
X2	102	"5	7'10"
X1	102	"5	3'9"
Class-X Concrete			Cu.Yds. 115.7
Reinforcement Bars			Lbs. 22350

Sec. 10-D

BILL OF MATERIAL - APPROACH SPAN

BAR NO.	SIZE	LENGTH	SHAPE
28	14	"4	2'10"
29	70	"7	10'0"
29	40	"5	12'6"
210	28	"4	3'6"
b22	14	"4	10'0"
b23	32	"5	28'5"
b24	8	"4	14'4"
b25	4	"4	3'6"
d	20	"4	1'3"
Class-X Concrete			Cu.Yds. 23.2
Reinforcement Bars			Lbs. 3450

Sec. 10-D

DESIGNED *K.O.*
CHECKED *R. Marshall*
DRAWN *K.O.*
CHECKED *J.J. Reuber*

EXAMINED *W. McKinnis*
PASSED *[Signature]*
APPROVED *R.R. [Signature]*

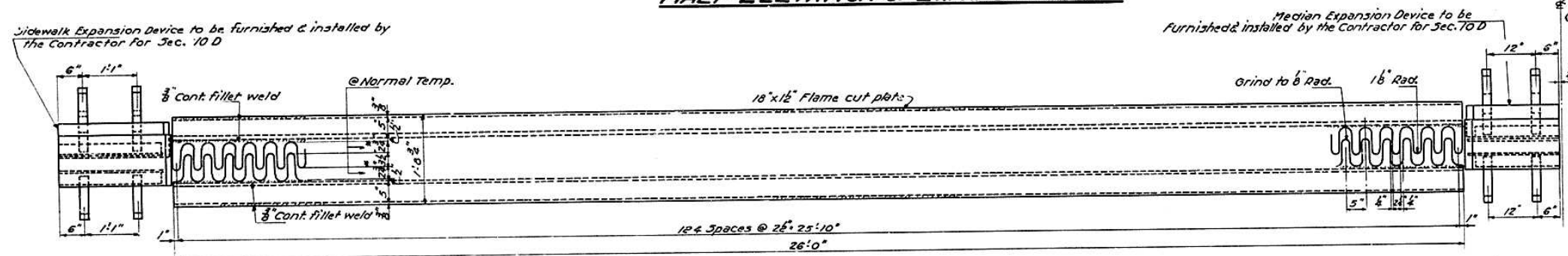
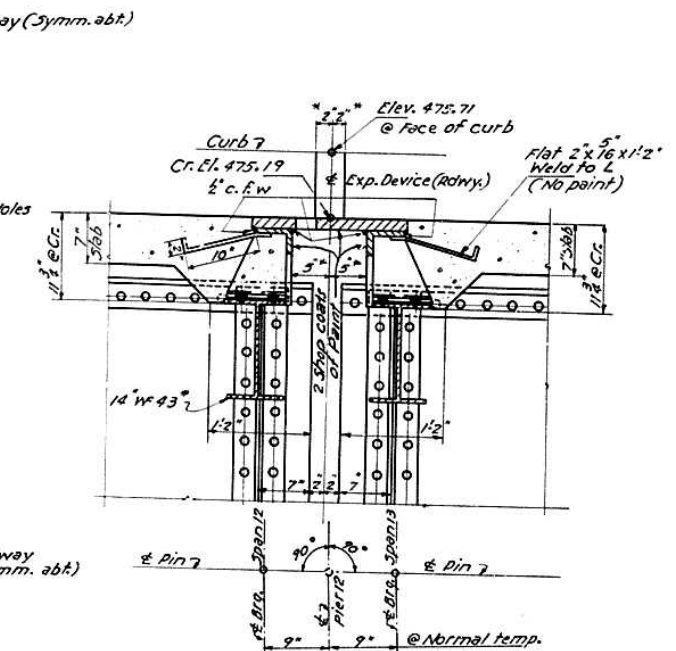
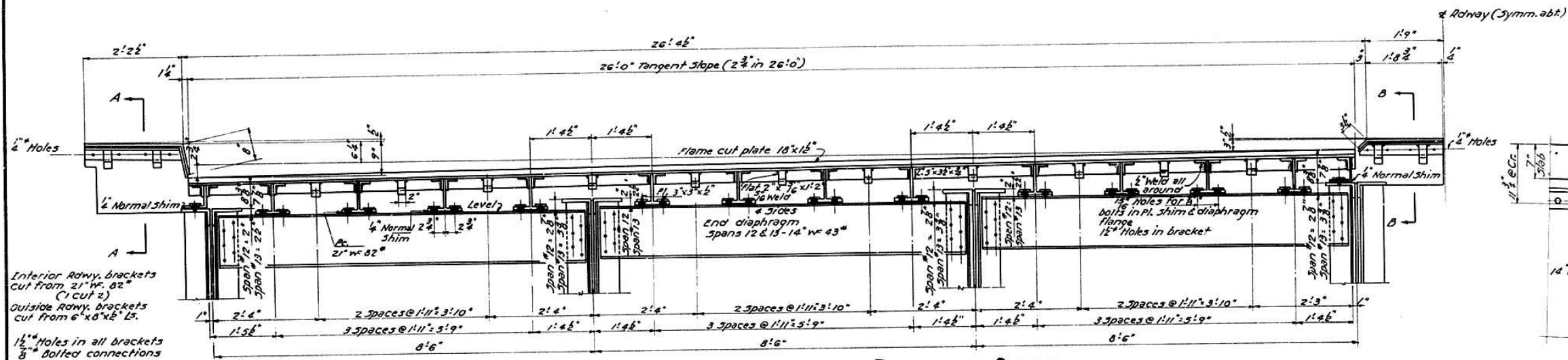
July 8 1955

GIRDER & DECK - SIMPLE SPAN UNIT
PROJECT UI-48(I)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10D-E-F-P
PEORIA - TAZEWELL COUNTIES

FAI-74

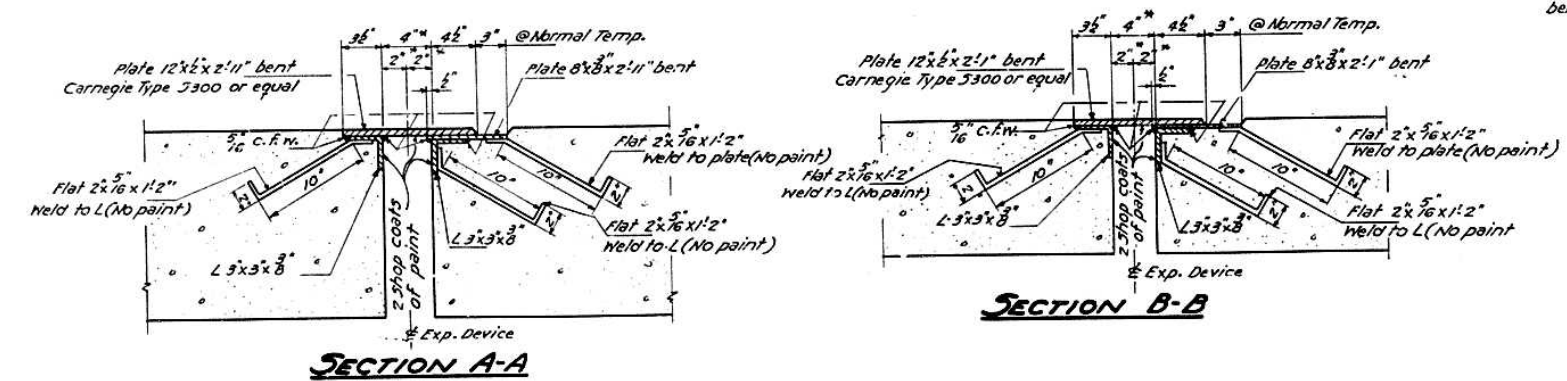
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10D	Peoria-Tazewell	31	21
F.A.I. 05	10D		29	18
	10D		28	21

FED. ROAD DIST. NO. 7 BLVD. FED. RD. PROJECT



NOTE TO ERECTOR

* Decrease this dimension by 8" per 100' of bridge between fixed bearings for each 15° rise in temperature above a normal temperature of 50°. Increase this dimension by the same amount for each 15° drop in temperature below normal.



QUANTITIES - EXP. DEVICE @ PIER 12

	Sec. 10-E & F	Sec. 10-D
Low Alloy Steel	6830 Lbs.	
Carbon Steel	1880 Lbs.	460 Lbs.

DESIGNED: W. E. FISHER
CHECKED: J. J. Rayburn
DRAWN: W. E. FISHER
CHECKED: J. J. Rayburn

EXAMINED: [Signature]
PASSED: [Signature]
APPROVED: R. D. [Signature]

July 8 1955

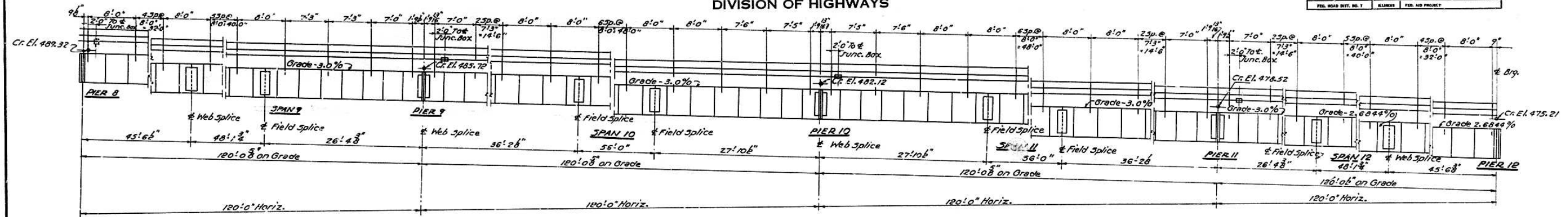
EXPANSION DEVICE - PIER #12
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10D-E-F-P
PEORIA - TAZEWELL COUNTIES

FAI-94

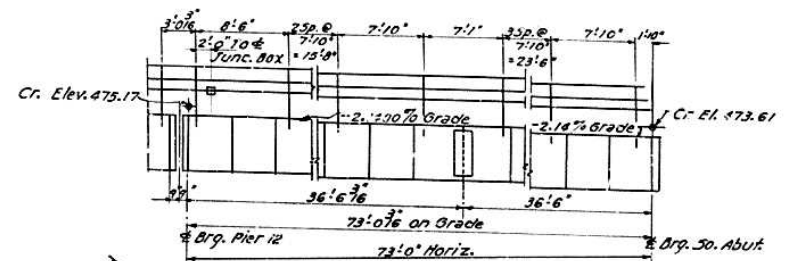
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10E	Peoria-Tazewell	37	10
F.A.R. 05	10E		54	22
	10P		54	22

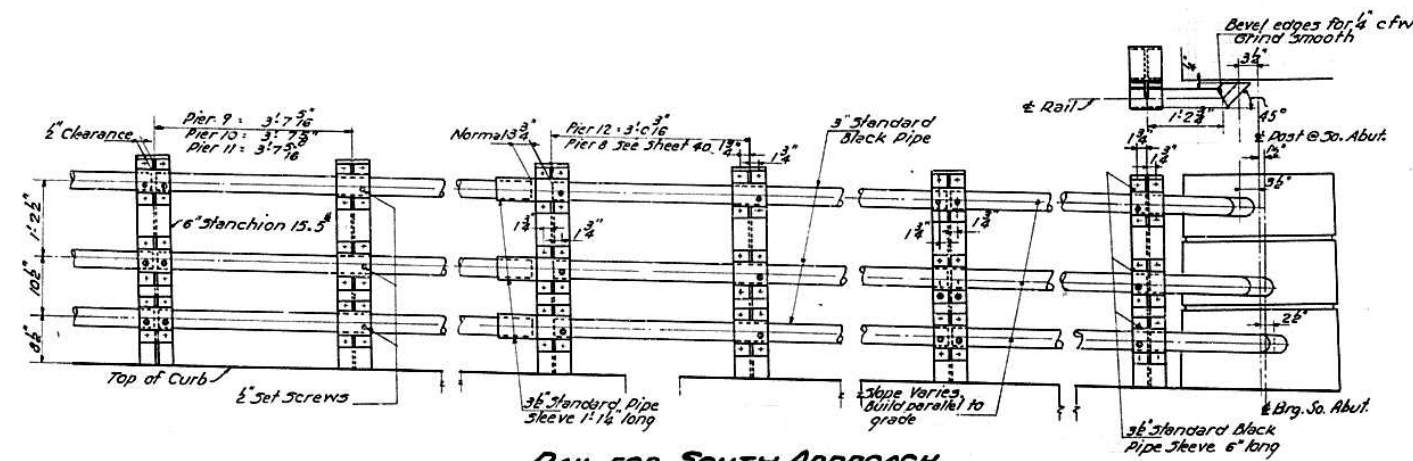
SHEET NO. 8
#2 SHEETS



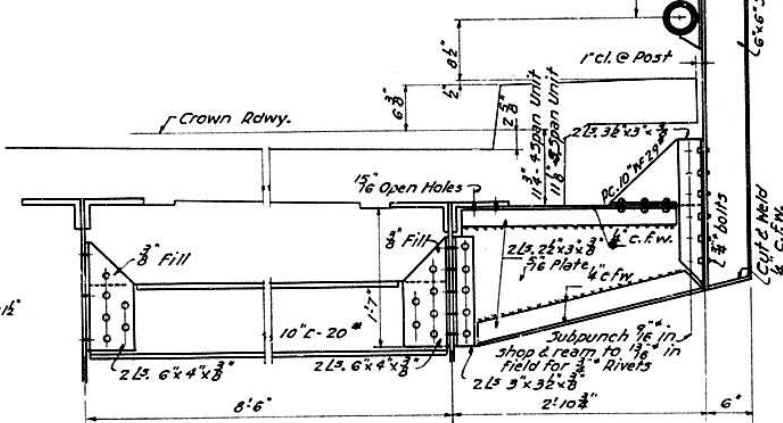
ELEVATION SPANS 9-10-11&12
SHOWING RAIL SPACINGS



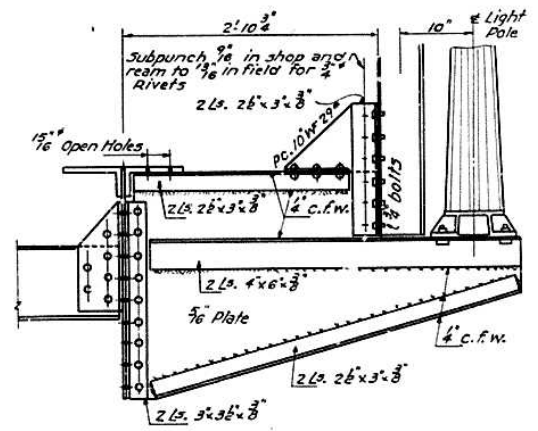
ELEVATION SPAN 13
SHOWING RAIL SPACINGS



RAIL FOR SOUTH APPROACH



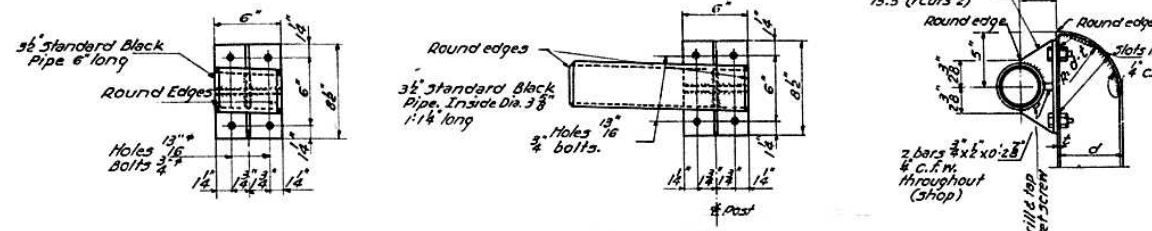
RAIL POST BRACKET-B1 & DIAPHRAGM-D



RAIL POST BRACKET-B2

Locate B2 as shown on plan Sheet #3

Note: Rail post brackets and diaphragms D shall be vertical.



DETAIL OF RAIL BRACKETS

DESIGNED *K. G. Fayburn*
CHECKED *K. Columbus*
DRAWN *K. O. Miller*
CHECKED *J. T. Reburn*

July 8 1955
EXAMINED *W. K. ...*
PASSED *...*
APPROVED *R. R. ...*
CHIEF HIGHWAY ENGINEER

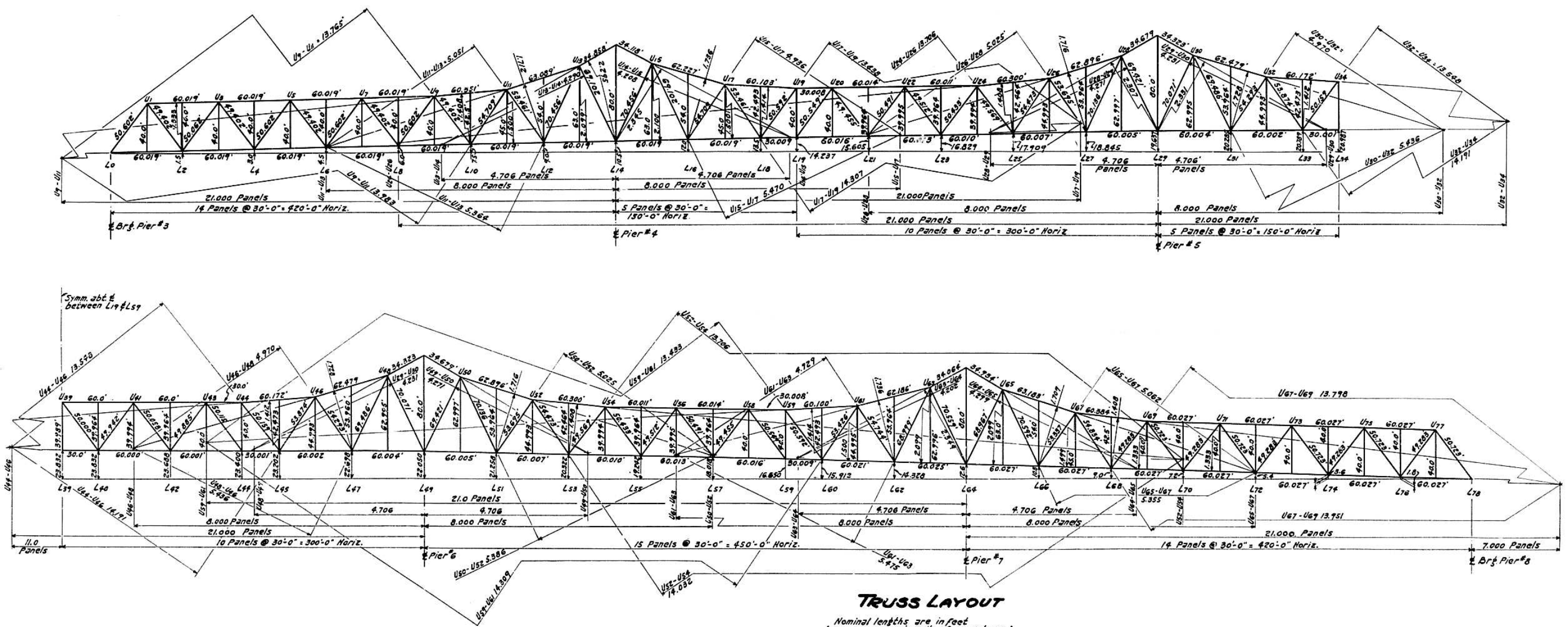
RAIL DETAILS - GIRDER SPANS
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10E	Peoria-Tazewell	37	11
I.A.I. 05	10E		54	23
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT

SHEET NO. 9
42 SHEETS



TRUSS LAYOUT

Nominal lengths are in feet
Lever arms are in units of one 30' panel.

DESIGNED	H.L. Owen
CHECKED	C.R.E. Thurman
DRAWN	H.L.O. K.O.
CHECKED	J.J. Rayburn

EXAMINED	M. Romine	July 8 1955
PASSED	C. Hunt	
APPROVED	R.R. Bartelmeier	

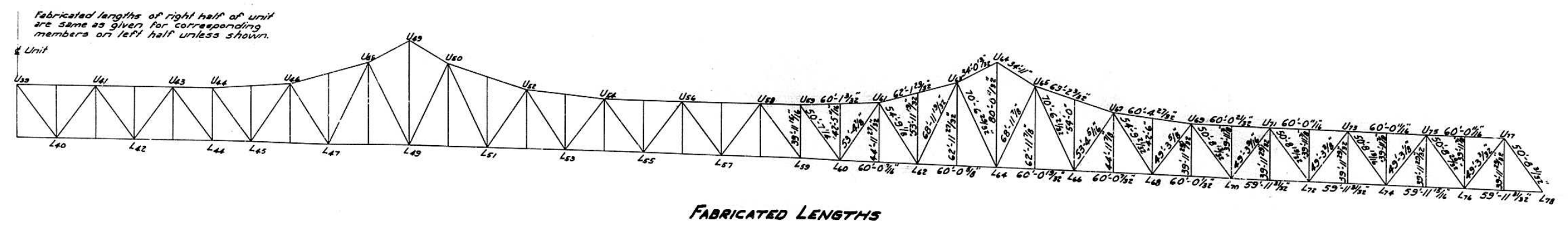
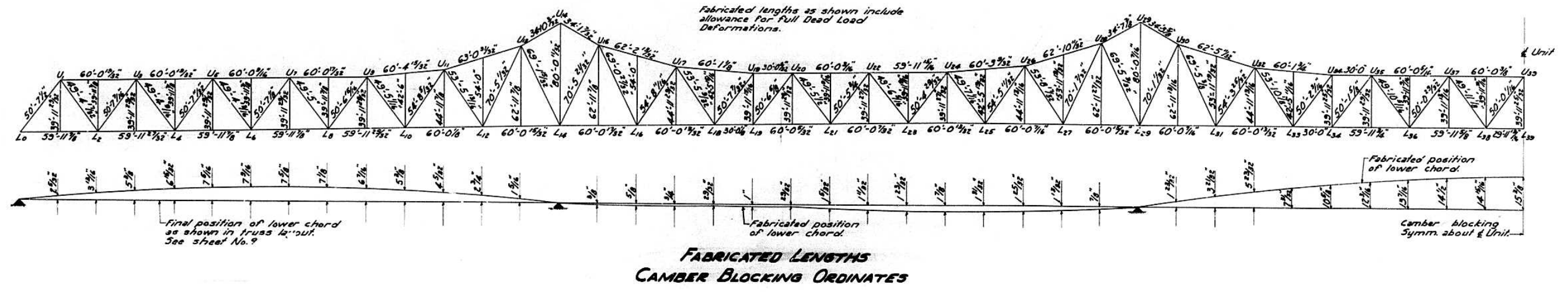
LEVER ARMS & NOMINAL LENGTHS
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10F	Peoria-Tazewell	37	18
R.L.I. 05	10D		54	24
FED. ROAD DIST. NO. 7	BLIND	FED. AID PROJECT		

SHEET NO. 10
#2 SHEETS



DESIGNED <i>W. P. ...</i>	EXAMINED <i>W. ...</i>
CHECKED <i>H. P. ...</i>	PASSED <i>E. ...</i>
DRAWN <i>K. O. ...</i>	APPROVED <i>R. H. ...</i>
CHECKED <i>J. T. ...</i>	

July 8 1955

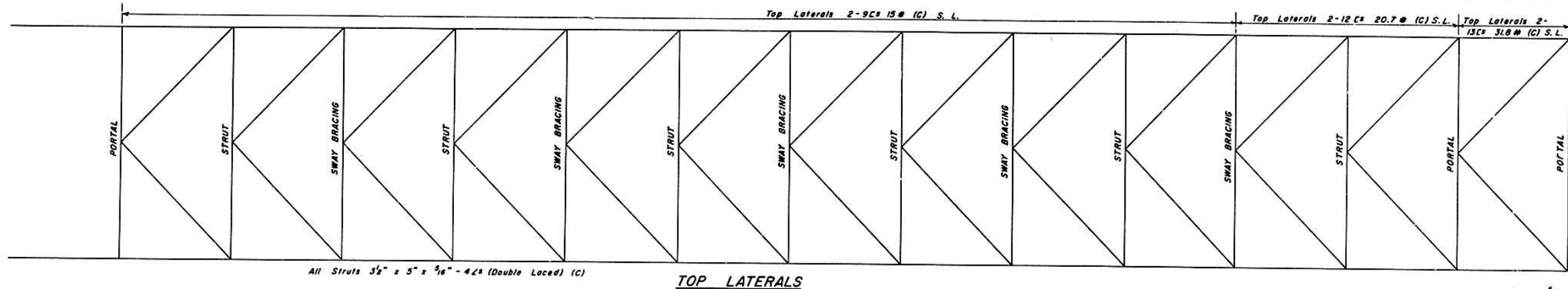
FABRICATED LENGTHS & CAMBER
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

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

FAI-74

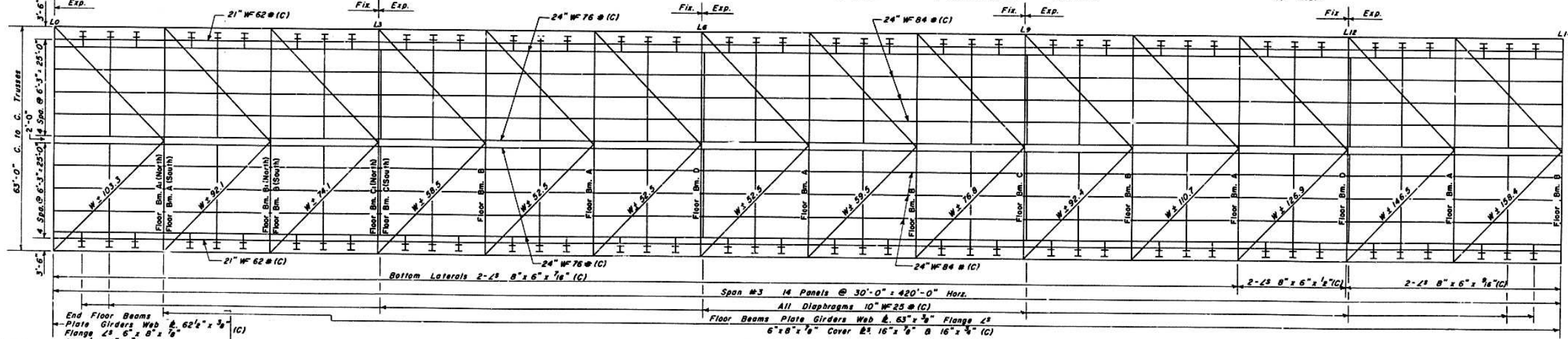
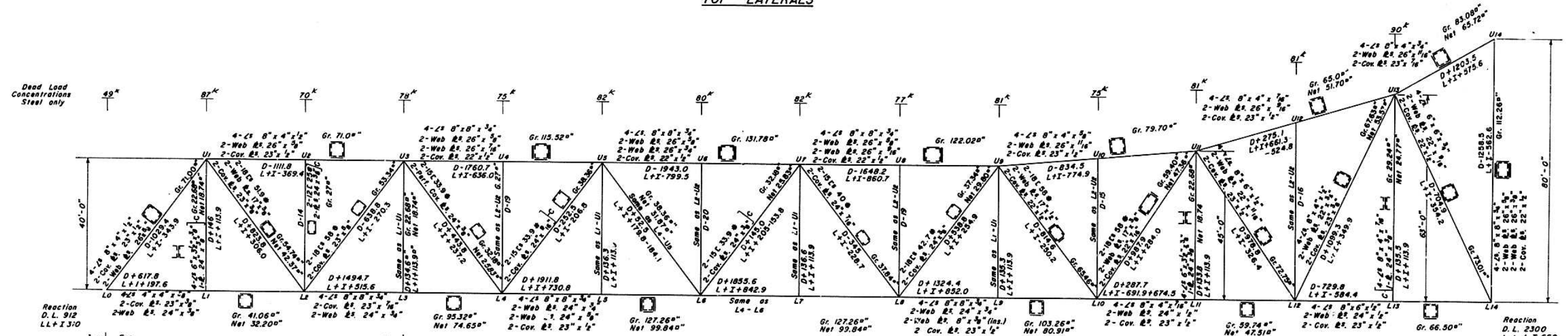
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10F	Peoria-Tazewell	37	13
F.A.T. 05	10E		54	25
	10P		54	25

SHEET NO. 11
42 SHEETS



All Struts 3/2" x 5" x 5/16" - 4L# (Double Laced) (C)

TOP LATERALS



DESIGNED *H.L. Owen*
CHECKED *Carl E. Mumford*
DRAWN *R.O. W.A. Sausaman Jr.*
CHECKED *J.J. Feyburn*

EXAMINED *McKinnis*
PASSED *[Signature]*
APPROVED *R.R. [Signature]*

July 8 1955

Note: Wind stresses in bottom chord members were computed but not shown because in all cases the wind loads in combination with other loads did not produce unit stresses greater than 1.25 times the allowable.

ANCHOR ARM L0 TO L14 AND L78 TO L64

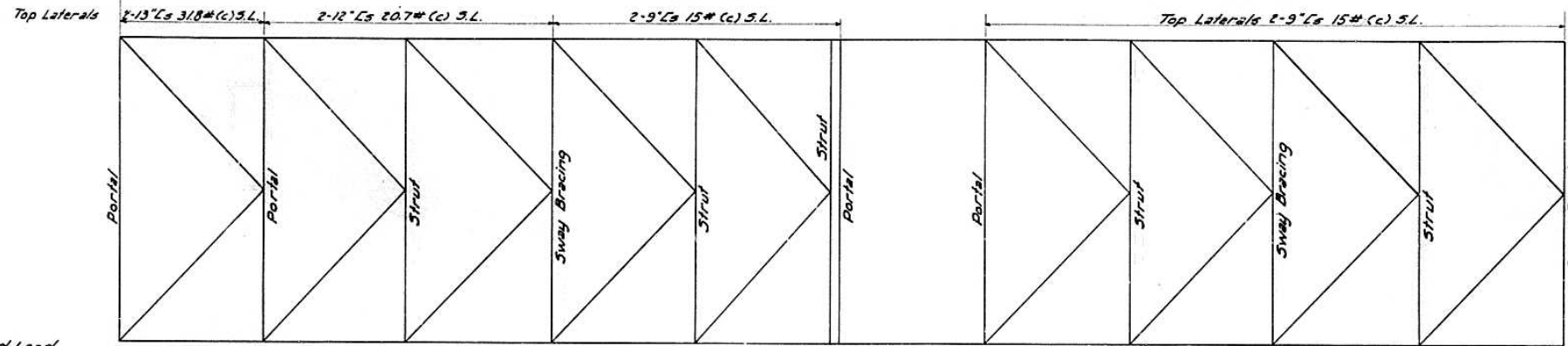
Note: All steel shown on this sheet shall be Low-Alloy Steel except that noted (C). Material noted (C) shall be Carbon Steel.

STRESSES & MAKE UP L0-L14 & L78-L64
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

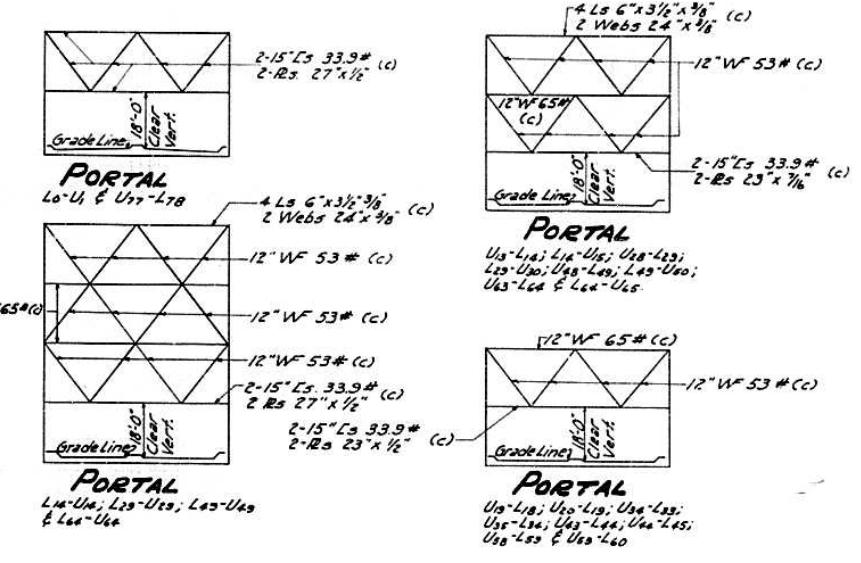
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FAI-74

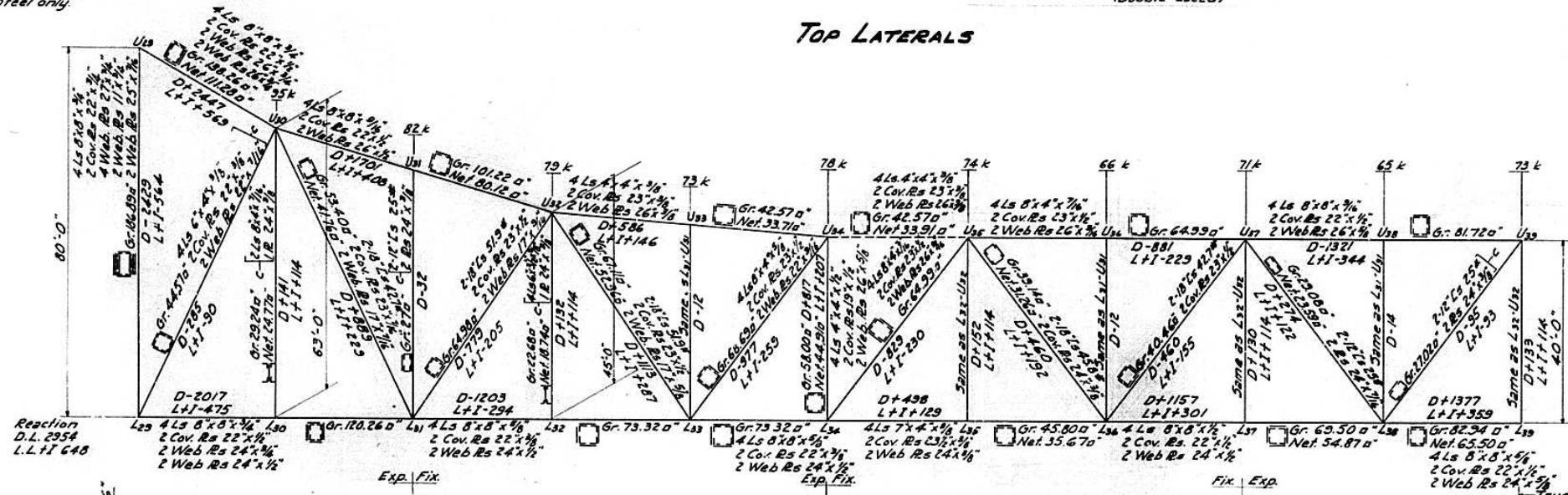
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10F	Peoria-Tazewell	37	13
P.I. 05	10P		54	27
FED. ROAD DIST. NO. 7	BLINDS	FED. AID PROJECT		



TOP LATERALS



Dead Load Concentrations Steel only.



Trusses Symm. about & except as shown.

No. 2: All steel shown on this sheet shall be Low-Alloy Steel except that noted (c) Material noted (c) shall be Carbon Steel.

Floor Beams
Plate Girders
Web Plate 63" x 1/2"
Flange Ls 6" x 8" x 3/8"
Cover Rs 16" x 7/8" x 1/2"

Floor Beams-Plate Girders
Web Plate 63" x 1/2"
Flange Ls 6" x 8" x 3/8"
Cover Plates 16" x 7/8" x 1/2" (c)

DESIGNED J.R. Owen
CHECKED C.E. Hummer
DRAWN K.O. J. Ganci
CHECKED J.T. Rayburn

EXAMINED [Signature]
PASSED [Signature]
APPROVED R.R. [Signature]
July 8 1955

CANTILEVER ARM L29 TO L34 & L49 TO L44 HALF SUSPENDED SPAN L34 TO L39 & L44 TO L39

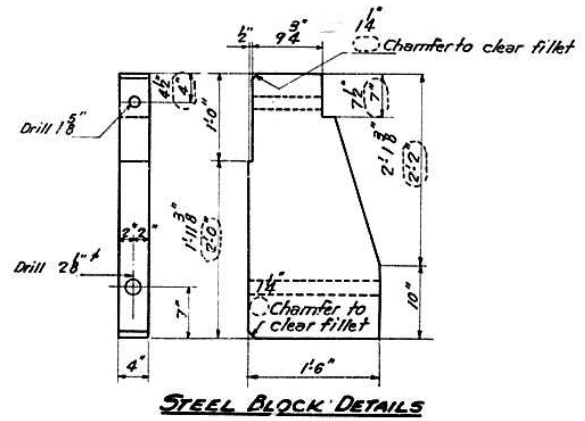
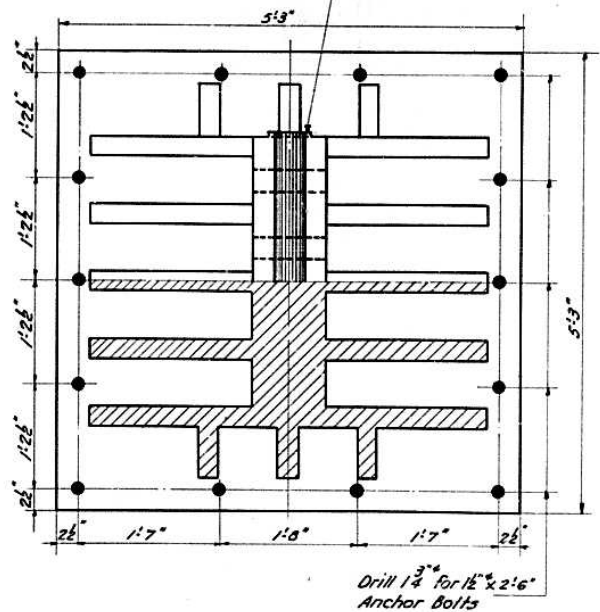
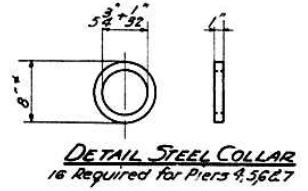
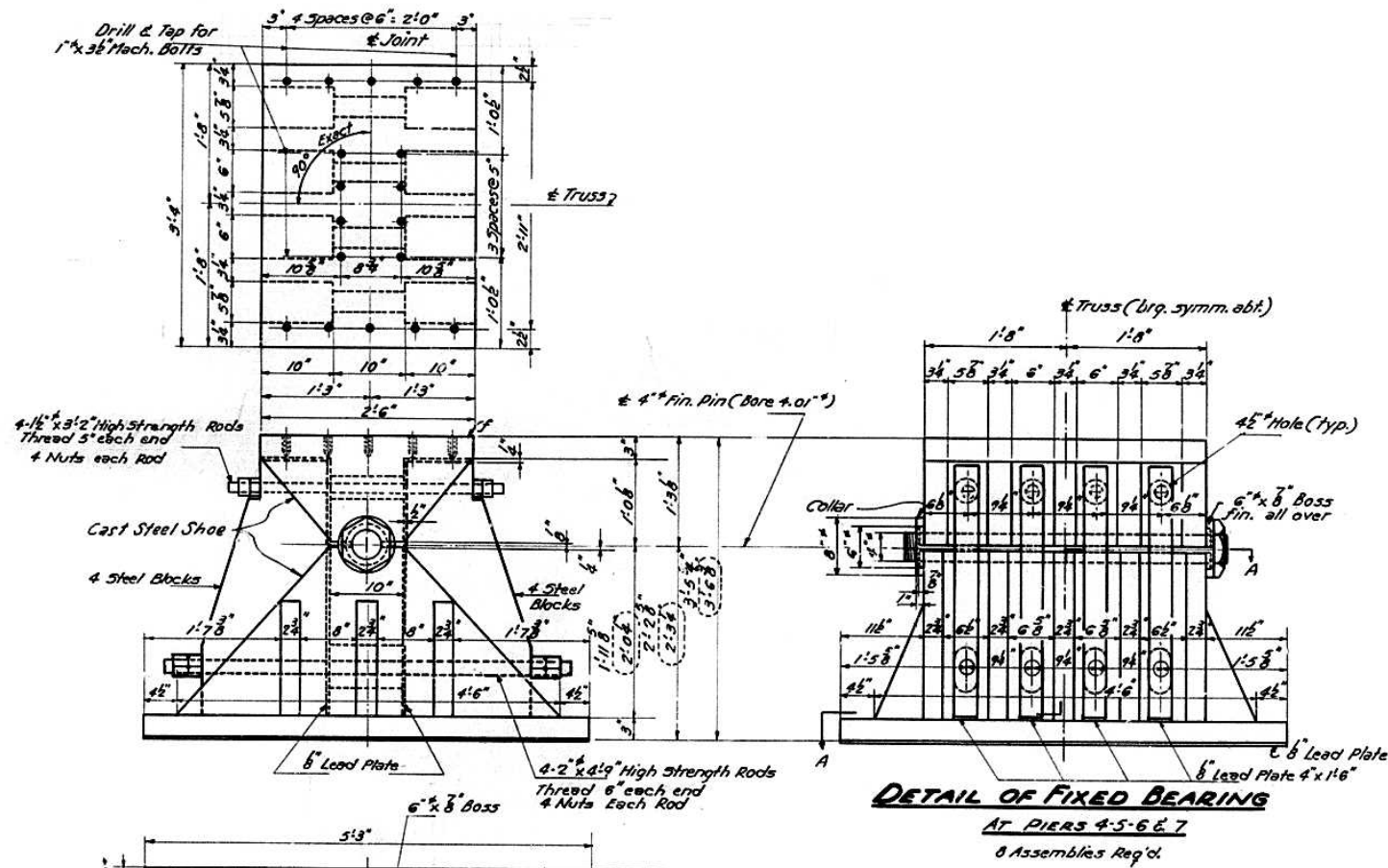
STRESSES & MAKE UP L29-L39 & L49-L39
PROJECT UT-48(7)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10F	Peoria-Tazewell	37	17
F.A.I. 05	105		54	29
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 15 A
42 SHEETS



BILL OF MATERIAL

Item	No.	Size
Steel Blocks	8	As Shown
Lead Plates	8	4" x 8" x 1/2"
High Strength Rods	4	2" x 4 1/2"
Hex. Nuts	16	2"
Hex. Nuts	16	1 1/2"
High Strength Rods	4	1 1/2" x 3 1/2"
Lead Plates	8	4" x 8" x 1/2"

Steel Blocks added to Downstream Bearing of Pier 5
6-10-59 H.L.O.
Revised: 6-12-59
1-11 3/8" 2-0" Indicates adjustment made after taking field measurements

These blocks were installed July 10, 1959

SECTION A-A

DESIGNED *C. R. Thurman Jr.*
CHECKED *W. E. Fisher*
J. J. Rayburn
DRAWN *W. E. Fisher*
M. Miller
CHECKED *J. J. Rayburn*

EXAMINED *W. E. Fisher*
ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED *J. J. Rayburn*
APPROVED *R. R. ...*
CHIEF HIGHWAY ENGINEER

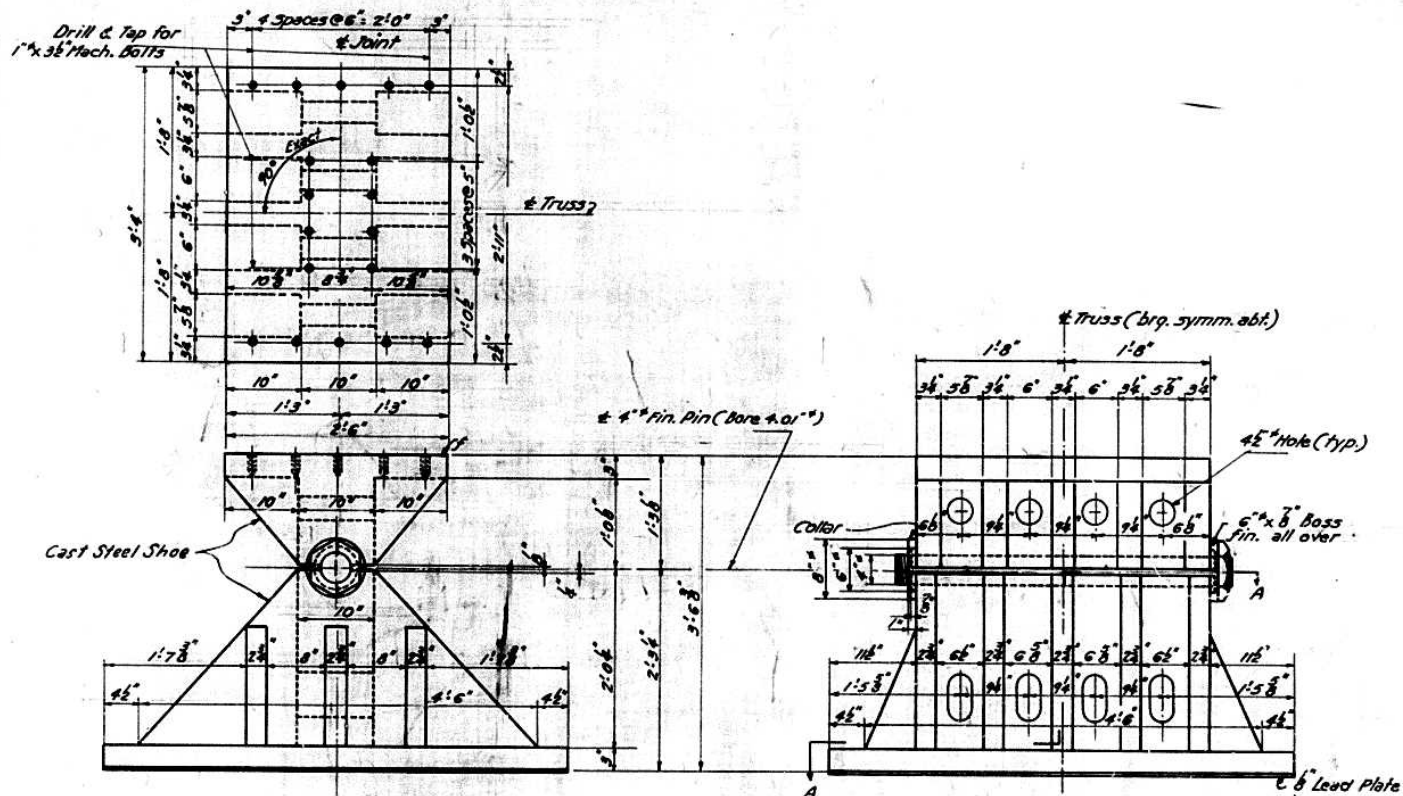
BEARING DETAILS @ PIERS 4-5-6 & 7
PROJECT UI-48(7)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F. A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

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

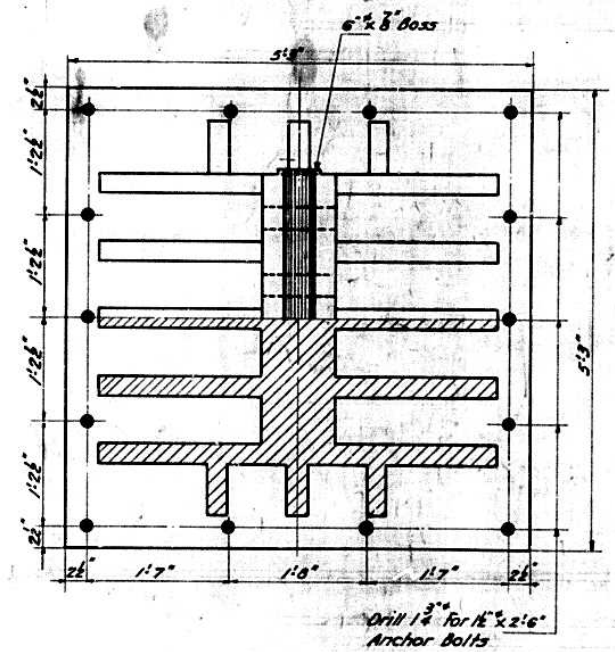
FAI-74

DRAWN BY	CHECKED	QUANTITY	TOTAL SHEETS	SHEET NO.
R.A.S.	J.W.F.	100	42	17
R.A.S.	J.W.F.	100	42	17
PEORIA-TAZEWELL		100	42	17
PEORIA-TAZEWELL		100	42	17

SHEET NO. 17
42 SHEETS



DETAIL STEEL COLLAR
is Required for Piers 4, 5 & 7



SECTION A-A

DESIGNED *C.R. Thumma*
CHECKED *J.F. Fyler*
DRAWN *N.E.F. Miller*
CHECKED *J.F. Fyler*

EXAMINED *W.M. Romine*
PASSED *[Signature]*
APPROVED *R.R. [Signature]*

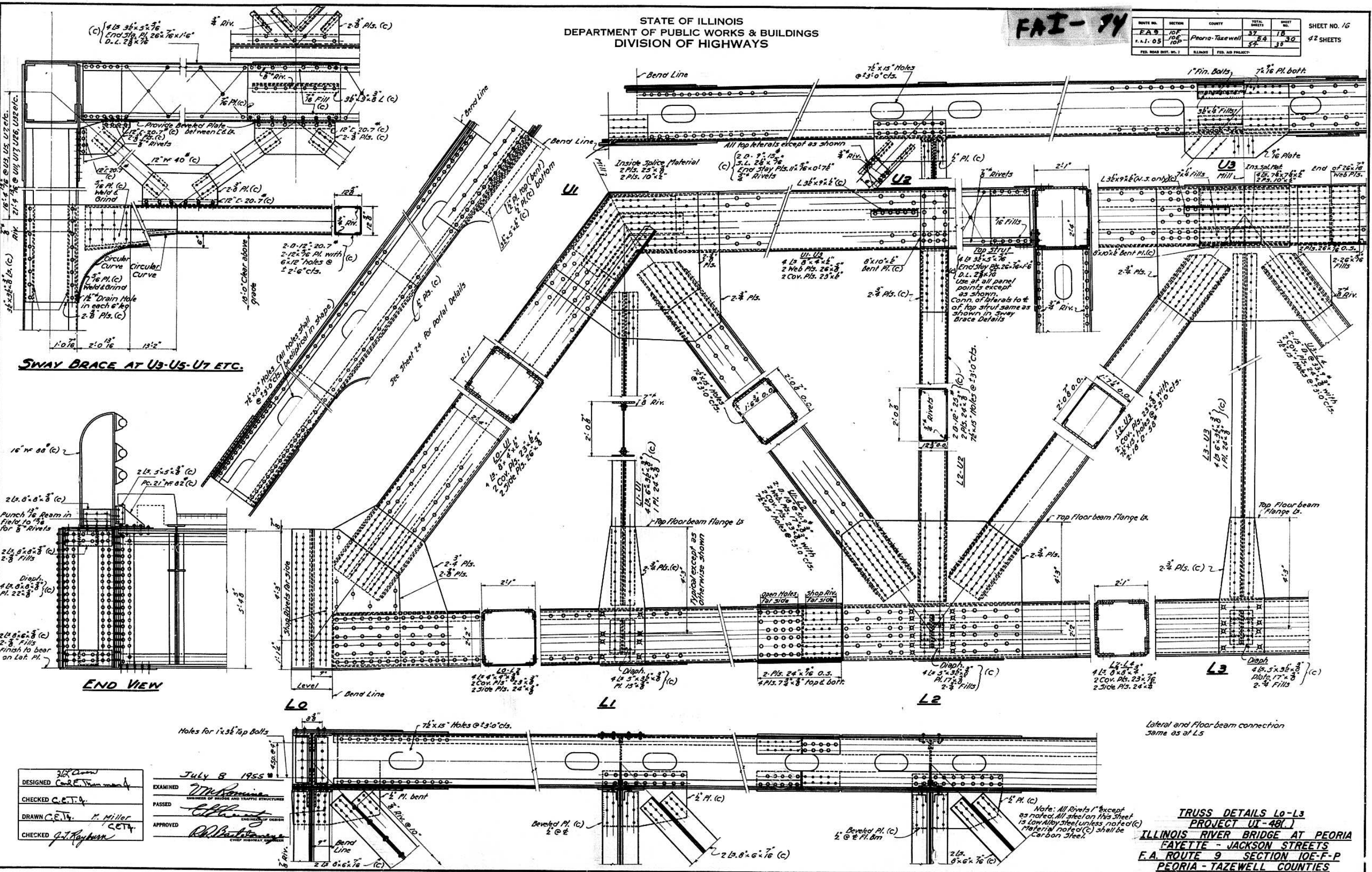
July 8 1955

BEARING DETAILS @ PIERS 4-5-6 & 7
PROJECT UT-48(7)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-E-P
PEORIA - TAZEWELL COUNTIES

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

FAI-94

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 16
FA 9	10F	Peoria-Tazewell	37	18	42 SHEETS
I.A.I. 05	10P		57	30	
FED. ROAD DIST. NO. 7	BLINDS	FED. AID PROJECT			



DESIGNED *Carl E. Vroman*
CHECKED *C.E.T.A.*
DRAWN *C.E.T.A.*
CHECKED *J.T. Rayburn*

July 8 1955
EXAMINED *W. McKeown*
PASSED *C. E. T. A.*
APPROVED *R. B. ...*

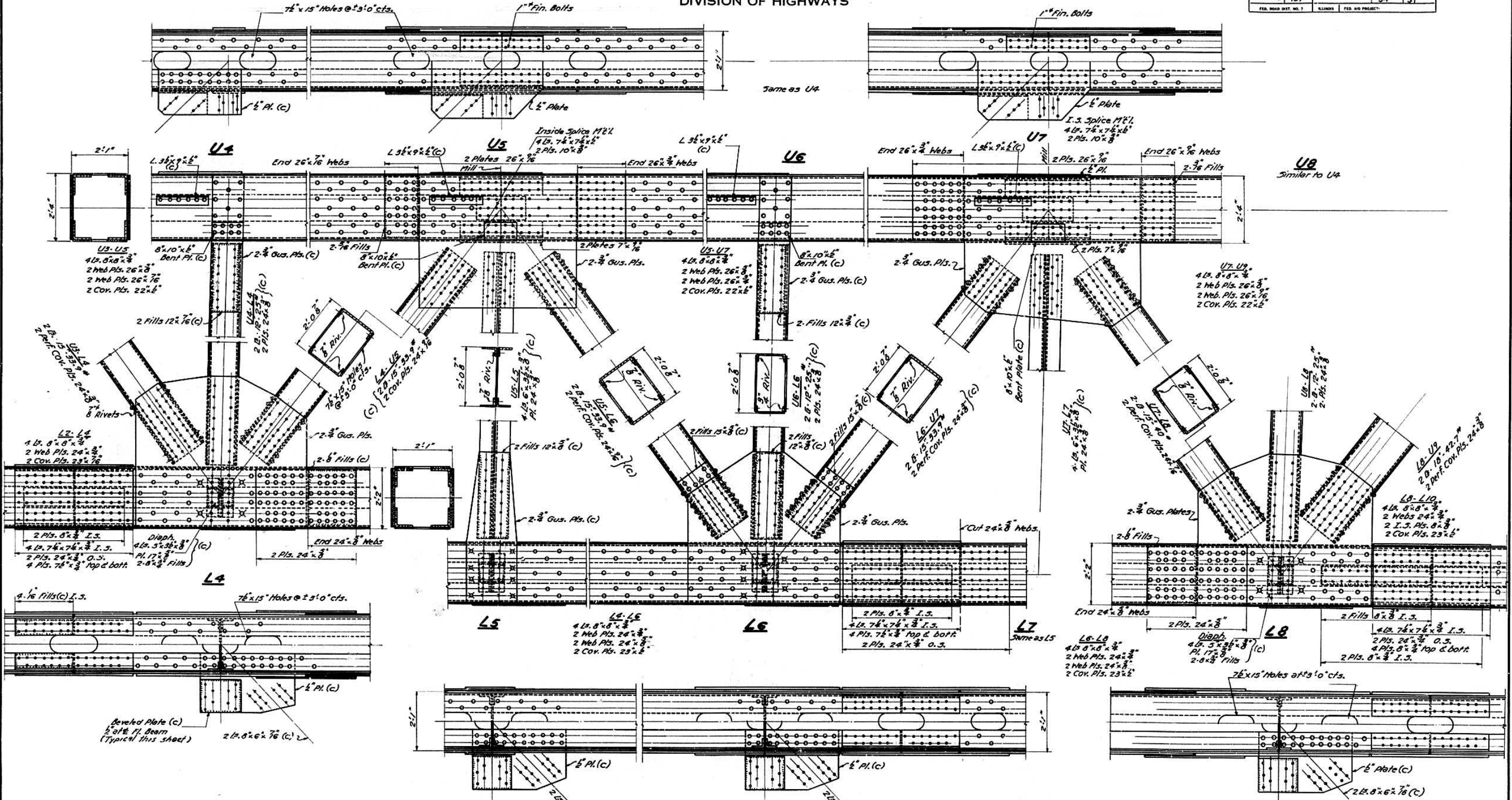
TRUSS DETAILS L0-L3
PROJECT UT-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

Note: All Rivets 1" except as noted. All steel on this sheet is Low Alloy Steel unless noted (C). Material note (C) shall be Carbon Steel.

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

FAI-94

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 17
FA 9	10E	Peoria-Jackson	37	19	
F.A.I. 05	10F		54	31	#2 SHEETS
	10P		54	31	



DESIGNED *H. Owen*
 CHECKED *J. J. Rayburn*
 DRAWN *HLO*
 CHECKED *J. J. Rayburn*

EXAMINED *W. M. Romine*
 PASSED *E. J. ...*
 APPROVED *R. K. ...*

July 8 1955

Note: All Rivets 1" except as noted.
 All Steel on this sheet is Low Alloy steel
 unless noted (c). Material noted (c)
 shall be Carbon Steel.

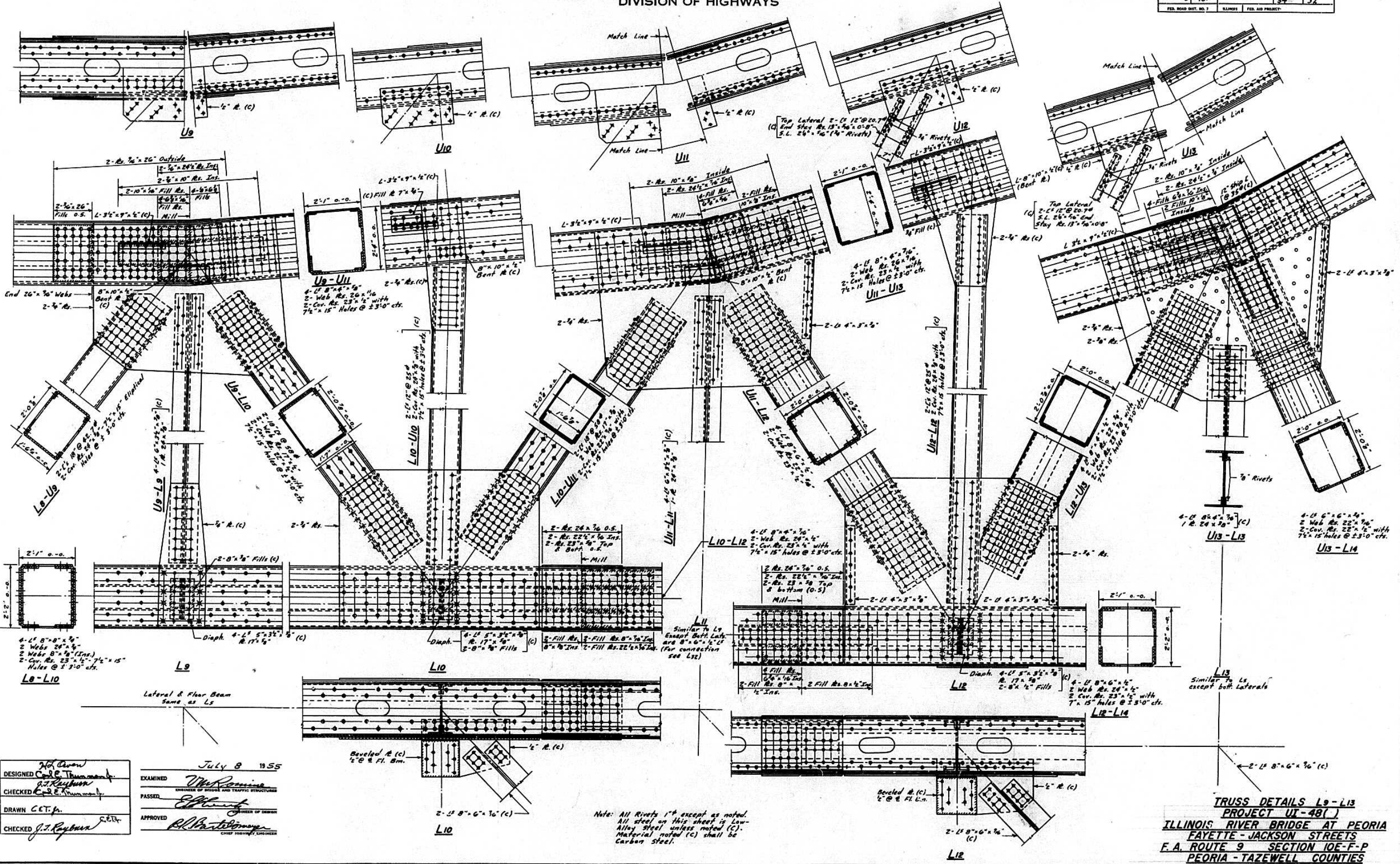
TRUSS DETAILS L4 - L8
 PROJECT UI-48(1)
 ILLINOIS RIVER BRIDGE AT PEORIA
 FAYETTE - JACKSON COUNTIES
 F.A. ROUTE 9 SECTION 10E-F-P
 PEORIA - TAZEWELL COUNTIES

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10F	Peoria-Tazewell	37	20
F.A.R. 05	10F		37	32
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 20
42 SHEETS



DESIGNED *W. J. Brown*
C.E.T. Thruway
CHECKED *C. E. Thruway*
DRAWN *C.E.T. p.*
CHECKED *J. J. Rayburn*

EXAMINED *W. J. Romine*
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED *E. J. [Signature]*
APPROVED *R. L. [Signature]*
CHIEF HIGHWAY ENGINEER

July 8 1955

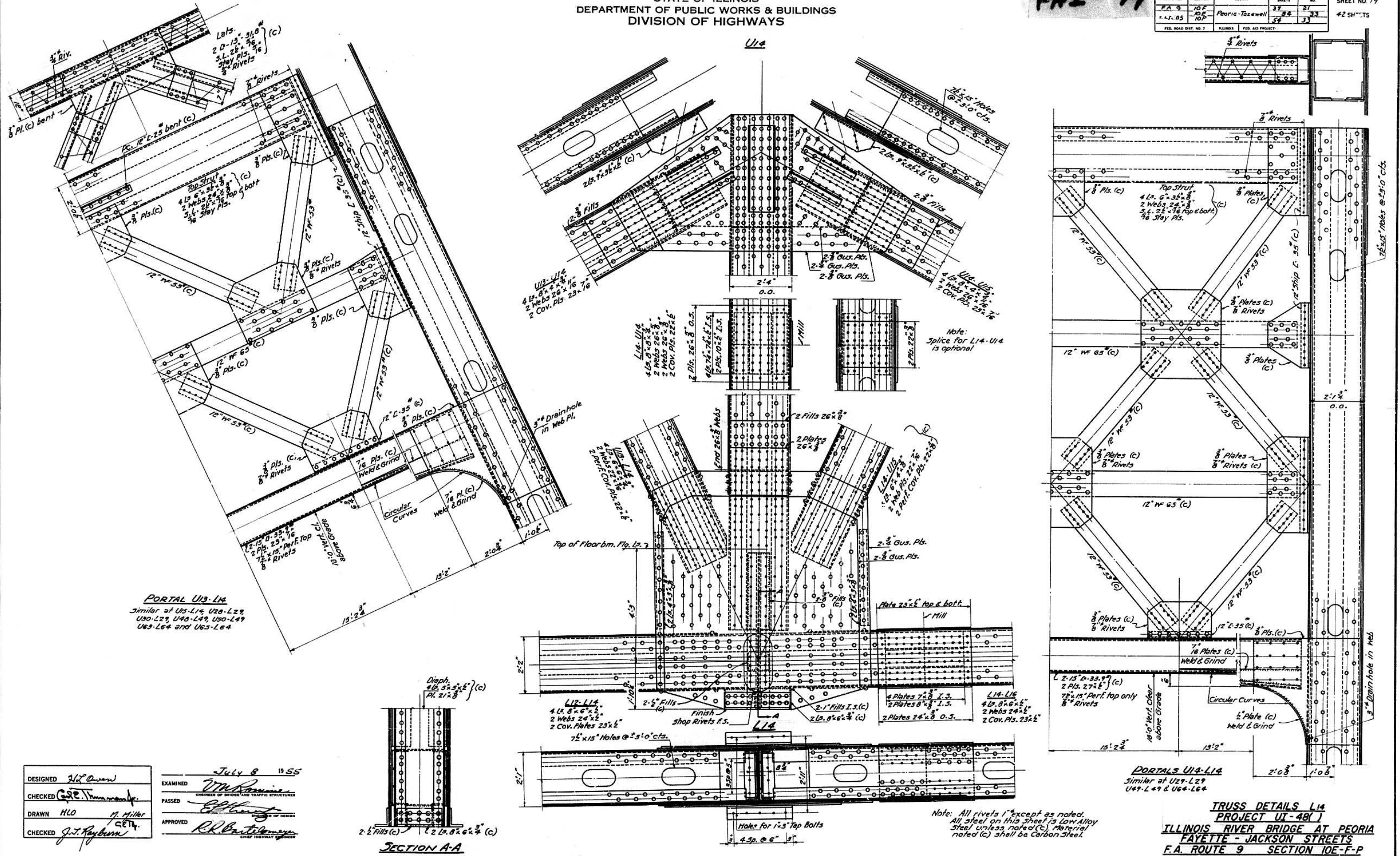
TRUSS DETAILS L9-L13
PROJECT UX-48()
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10F	Peoria-Tazewell	37	31
F.A.R. 05	10F		34	33
	10F		34	33

SHEET NO. 19
42 SHEETS



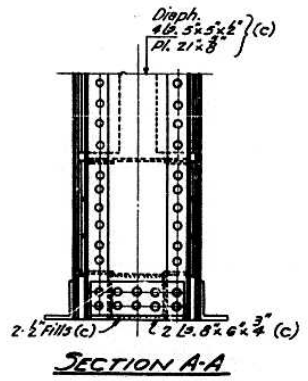
PORTAL U13-L14
Similar at U1-L14, U28-L29,
U30-L29, U48-L49, U50-L49,
U63-L64 and U65-L64

PORTALS U14-L14
Similar at U29-L29,
U49-L49 & U64-L64

TRUSS DETAILS L14
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

DESIGNED *H.L. Owen*
CHECKED *C.E. Timmerman*
DRAWN *HLO*
CHECKED *J.J. Ryburn*

EXAMINED *W. B. ...*
PASSED *...*
APPROVED *R.R. ...*



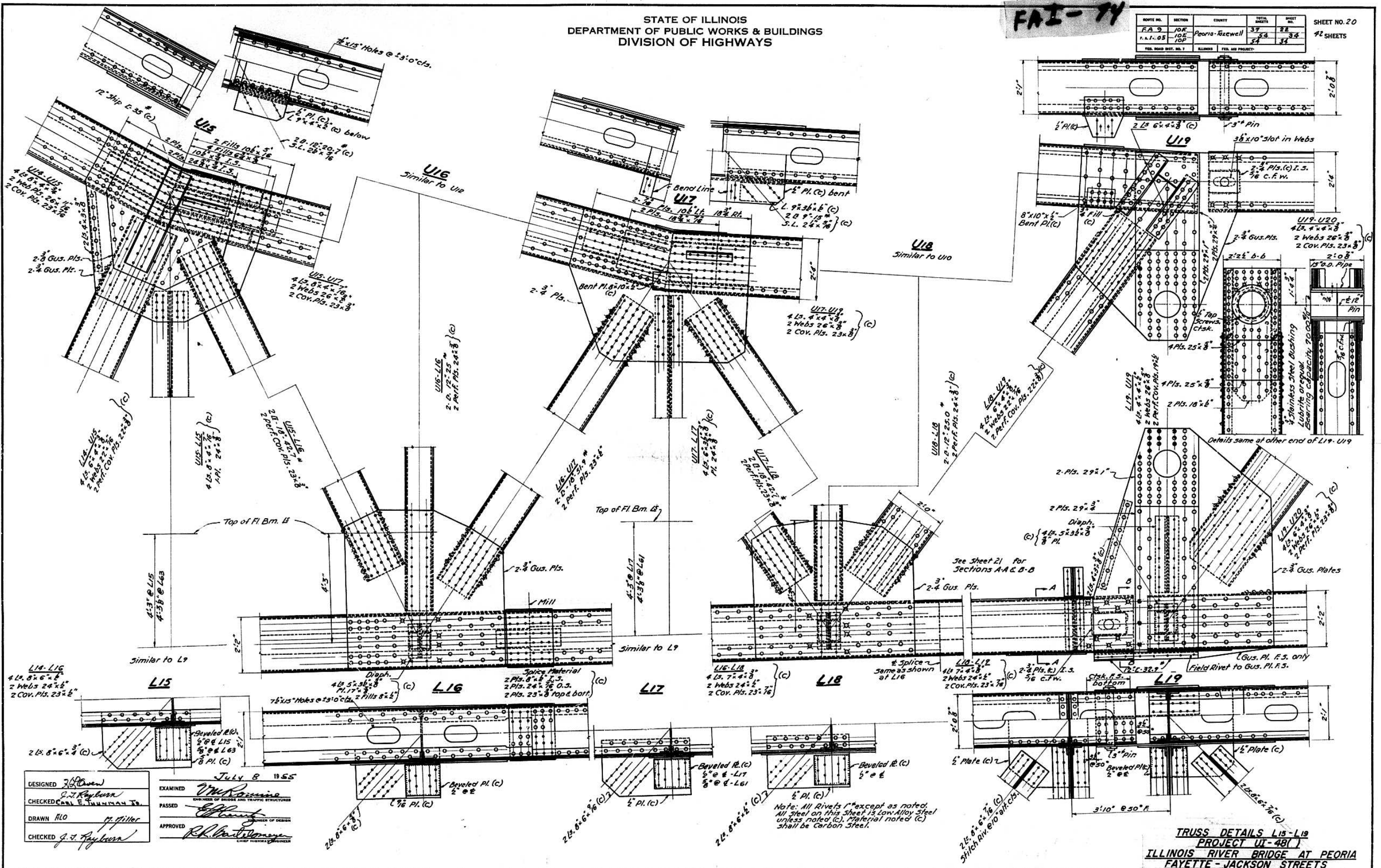
Note: All rivets 1" except as noted.
All steel on this sheet is Low Alloy
Steel unless noted (C). Material
noted (C) shall be Carbon Steel.

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10E	Peoria-Tazewell	37	28
FAI-05	10E		34	34
			34	34

92 SHEETS



DESIGNED *J.P. Owen*
CHECKED *C. E. Truman Jr.*
DRAWN *HLO*
CHECKED *J. J. Rayburn*

EXAMINED *M. Romano*
PASSED *[Signature]*
APPROVED *R. H. [Signature]*

JULY 8 1955

Note: All Rivets 1" except as noted.
All Steel on this Sheet is Low Alloy Steel
unless noted (c). Material noted (c)
shall be Carbon Steel.

TRUSS DETAILS L15-L19
PROJECT UT-481
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

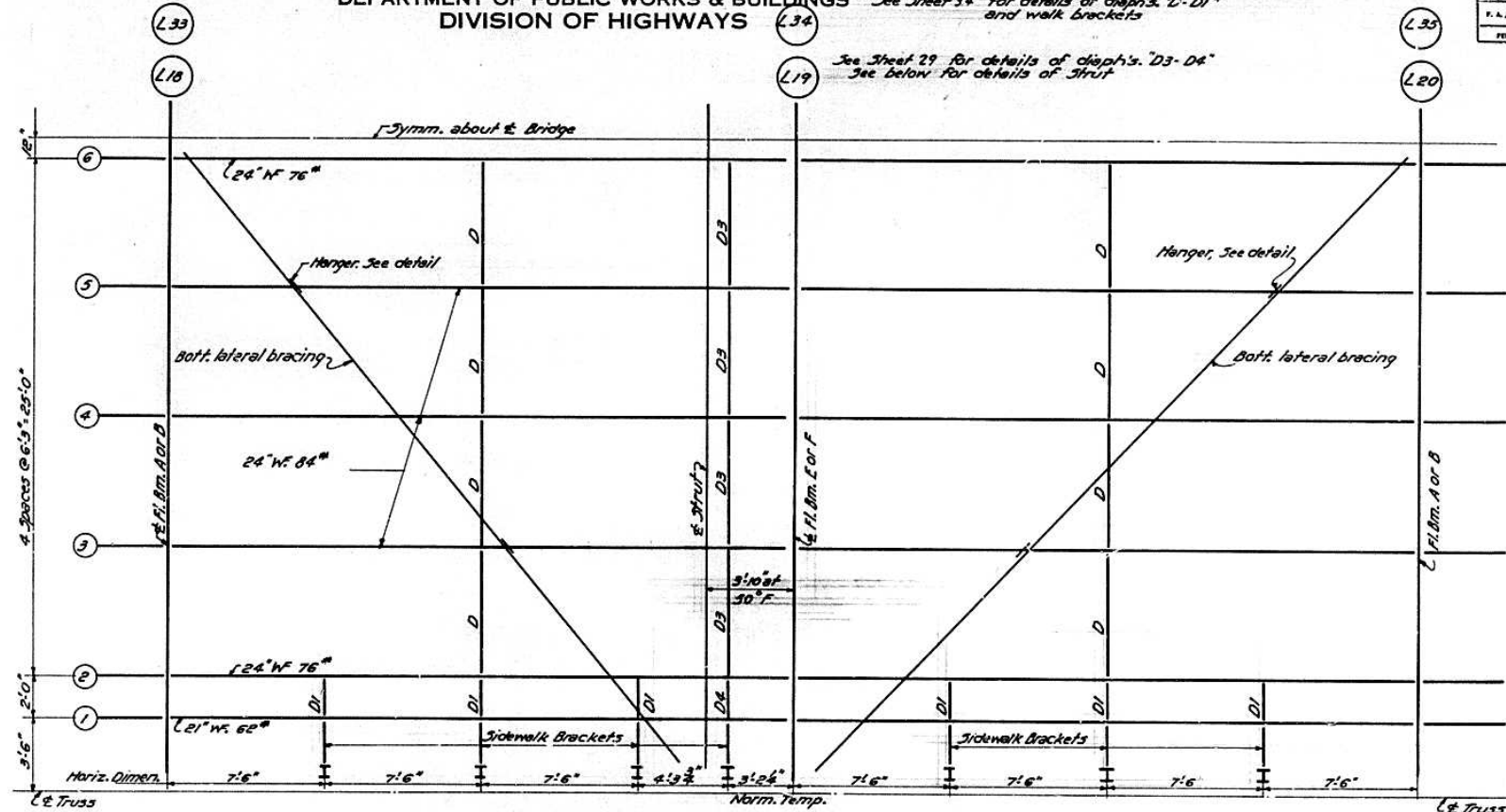
FAI-24

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

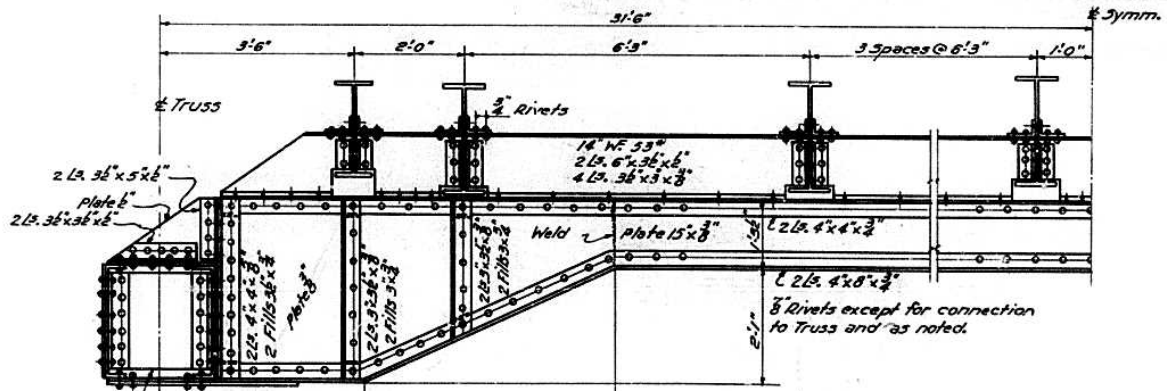
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10F	Peoria-Tazewell	54	23
P.A.I. 05	10E		54	33
	10F		54	35

SHEET NO. 21
42 SHEETS

See Sheet 34 for details of chaps. "D-D" and walk brackets
See Sheet 29 for details of chaps. "D3-D4" See below for details of strut

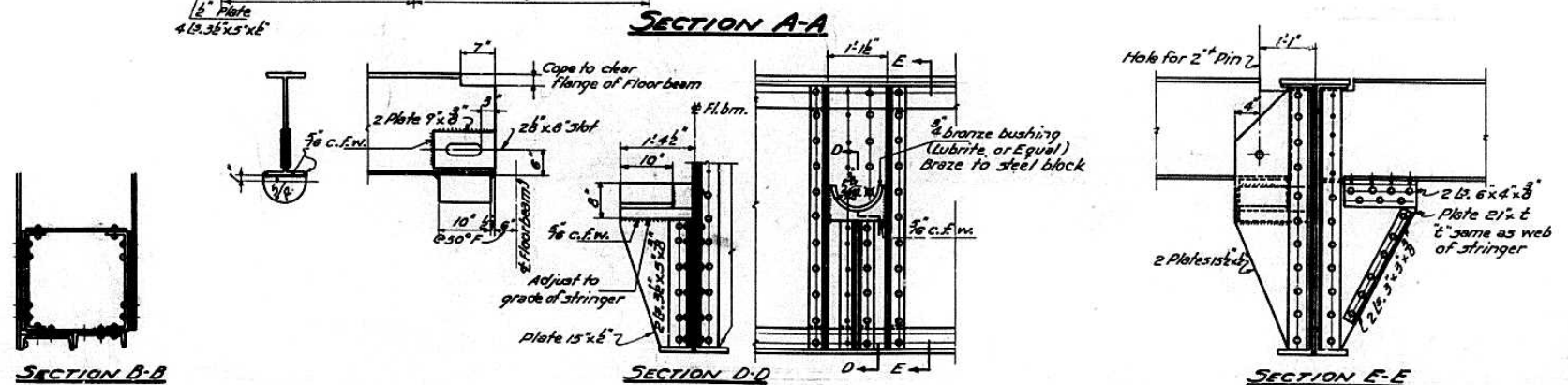


HALF PLAN FLOOR FRAMING AT L18 TO L20 & L33 TO L35



Note: All steel on this sheet shall be Carbon Steel unless otherwise noted.

Note: Sections A-A, C-C, B-B are from sheet 20



STRINGER SEAT DETAILS FOR BEAMS AT L19-L34-L44 & L59

DESIGNED *J.H. Green*
CHECKED *CARL E. JOHNSON JR.*
DRAWN *HLO m. Miller*
CHECKED *J.T. Fryman*

EXAMINED *W.M. Rosin*
PASSED *[Signature]*
APPROVED *R.H. Bostelman*

July 8 1955

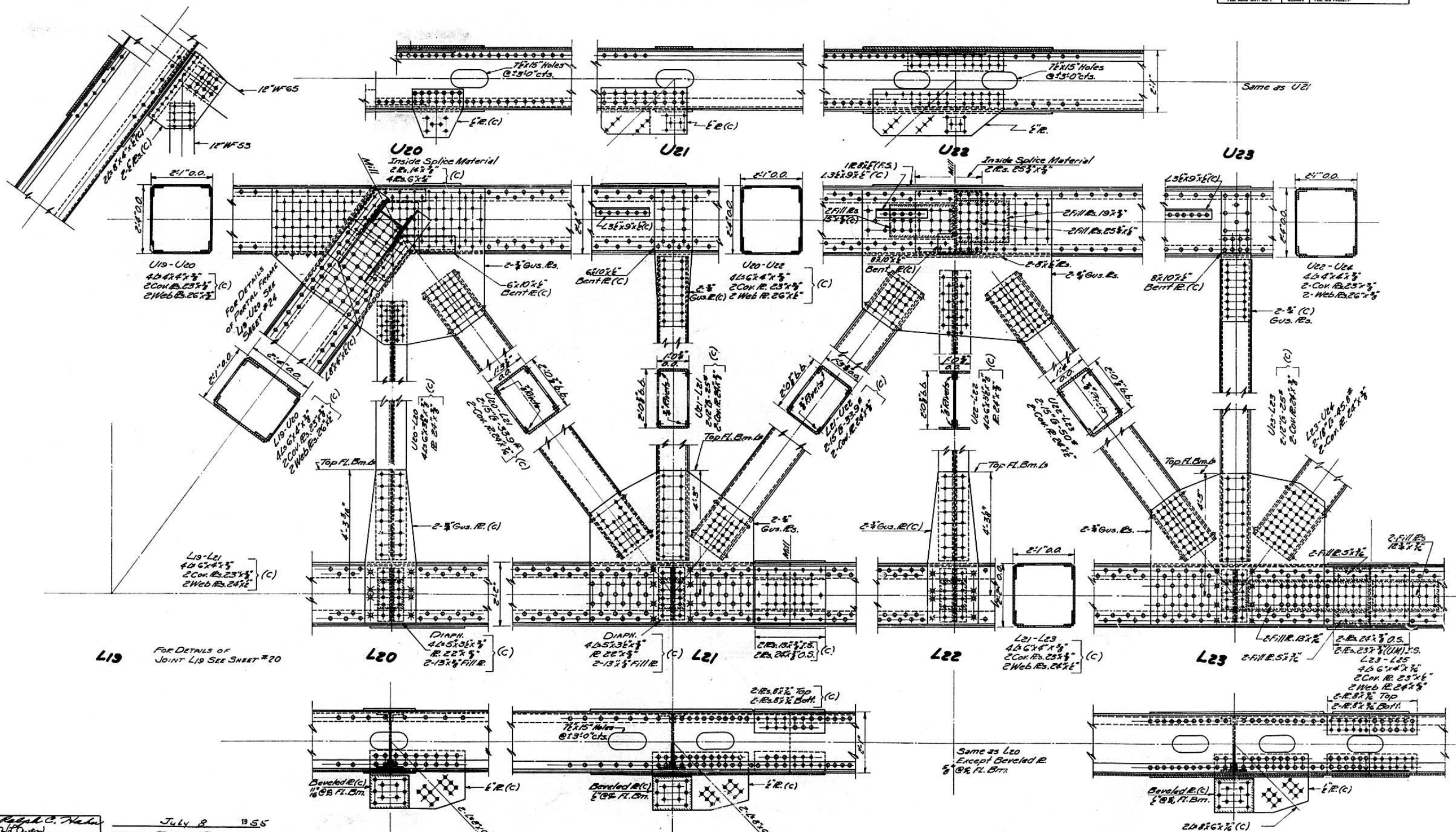
TRUSS DETAILS L19
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F. A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10F	Peoria-Tazewell	37	22
P.A.I. 05	10P		54	36
FED. ROAD BKT. NO. 7	BLINDS	FED. AID PROJECT		

SHEET NO. 22
42 SHEETS



L19 FOR DETAILS OF JOINT L19 SEE SHEET #20

Same as L20 Except Beveled R 5/8" BR. Fl. Brn.

DESIGNED Ralph C. Hahn 2/6/55	EXAMINED W. M. ... ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
CHECKED J. J. Rayburn C. L. ...	PASSED ...
DRAWN R. C. H. E. Rust	APPROVED R. K. ... CHIEF HIGHWAY ENGINEER
CHECKED J. J. Rayburn	

NOTE: All rivets 1" except as noted. All steel on this sheet is Low Alloy Steel unless noted (C). Material noted (C) shall be Carbon Steel.

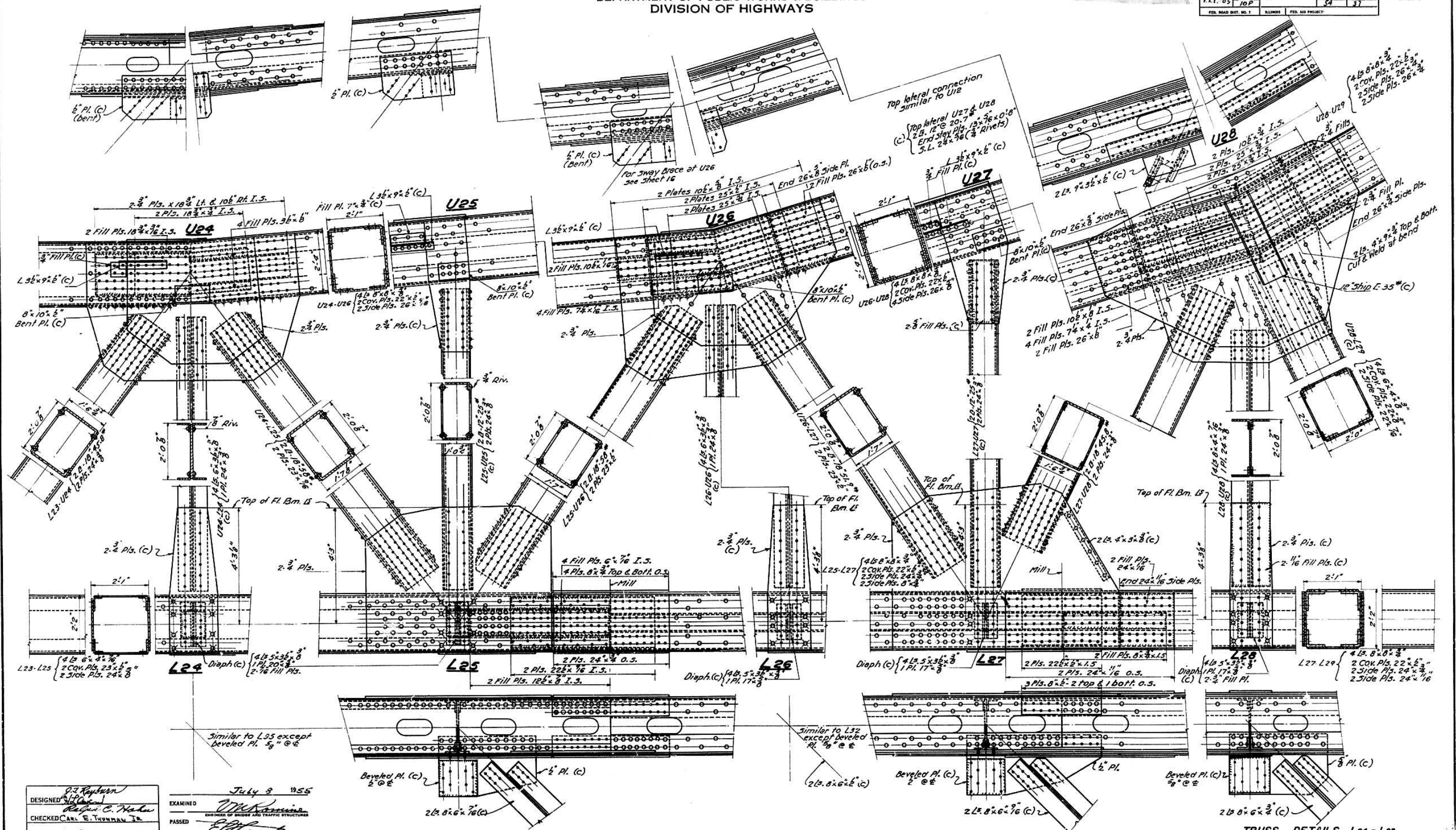
TRUSS DETAILS L20-L23
PROJECT UT-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F. A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10F	Peoria-Tazewell	37	23
F.A.I. 05	10E		34	37
	10P		34	37

SHEET NO. 23
42 SHEETS



DESIGNED: J. J. Kuyburn
CHECKED: CARL E. THUMANN JR.
DRAWN: J.T.R. Miller
CHECKED: P.C.H. J.T.R.

EXAMINED: [Signature]
PASSED: [Signature]
APPROVED: R.B. [Signature]

Note: All Rivets 1" except as noted. All Steel on this sheet is Low Alloy Steel unless noted (C) Material Noted (C) shall be Carbon Steel.

TRUSS DETAILS L24 - L28
PROJECT UT-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

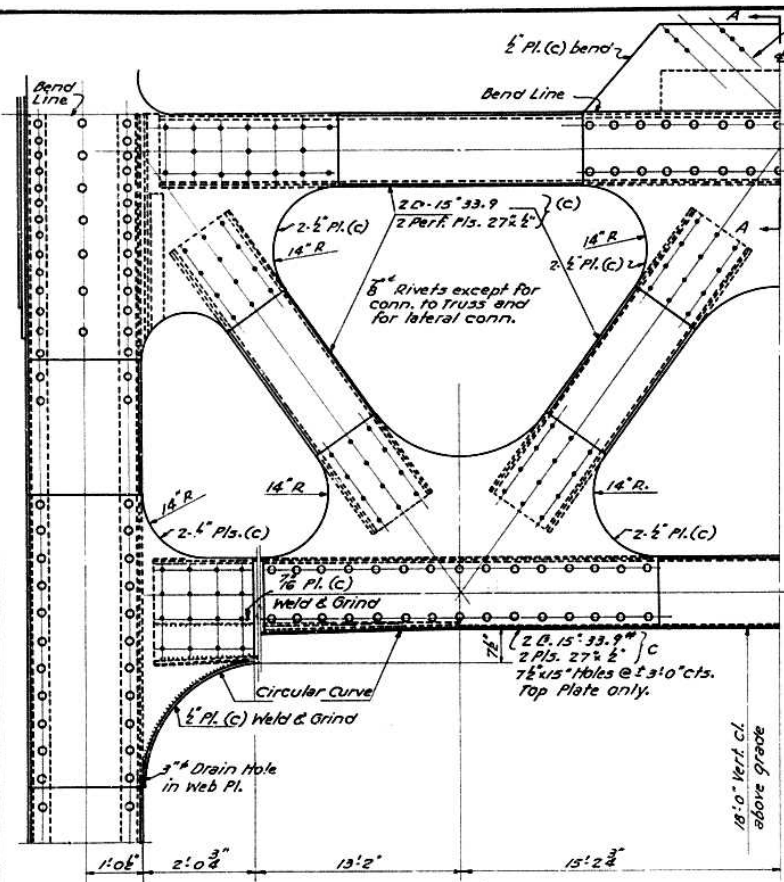
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FAI-74

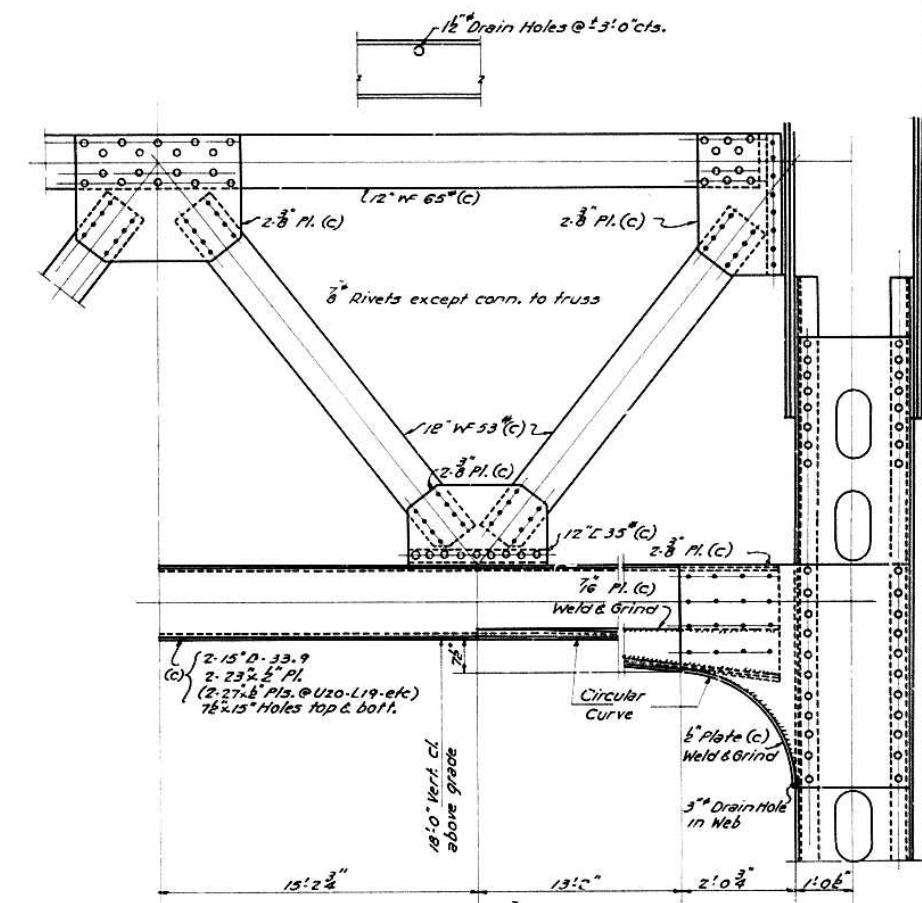
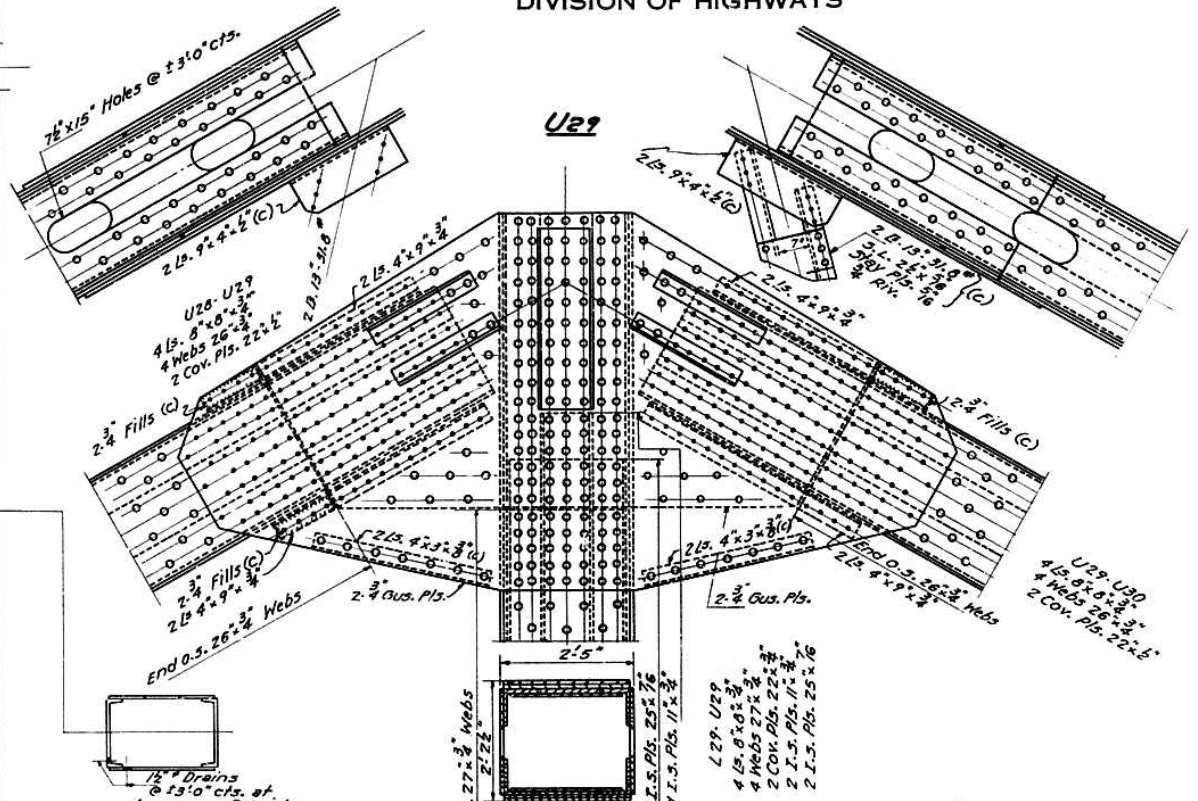
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10P	Peoria-Tazewell	37	24
F.A.I. 05	10E		64	38
	10P		57	38

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT

SHEET NO. 24
42 SHEETS

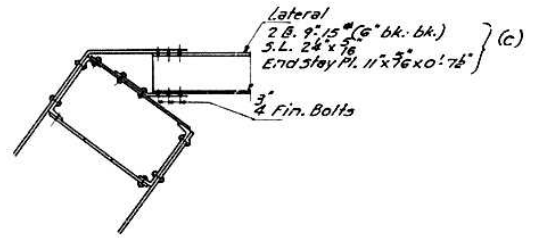


PORTAL AT U1-L0 & U77-L78

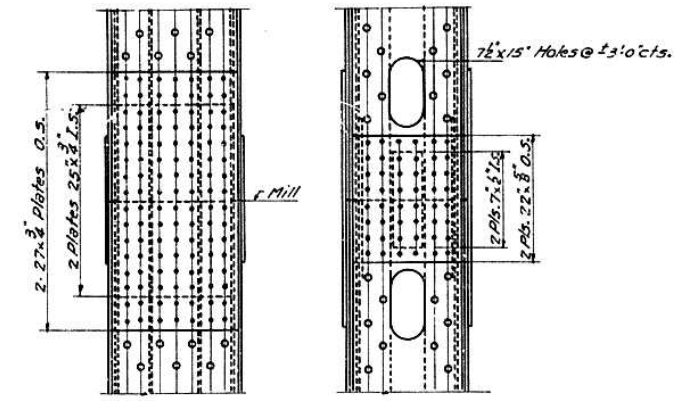
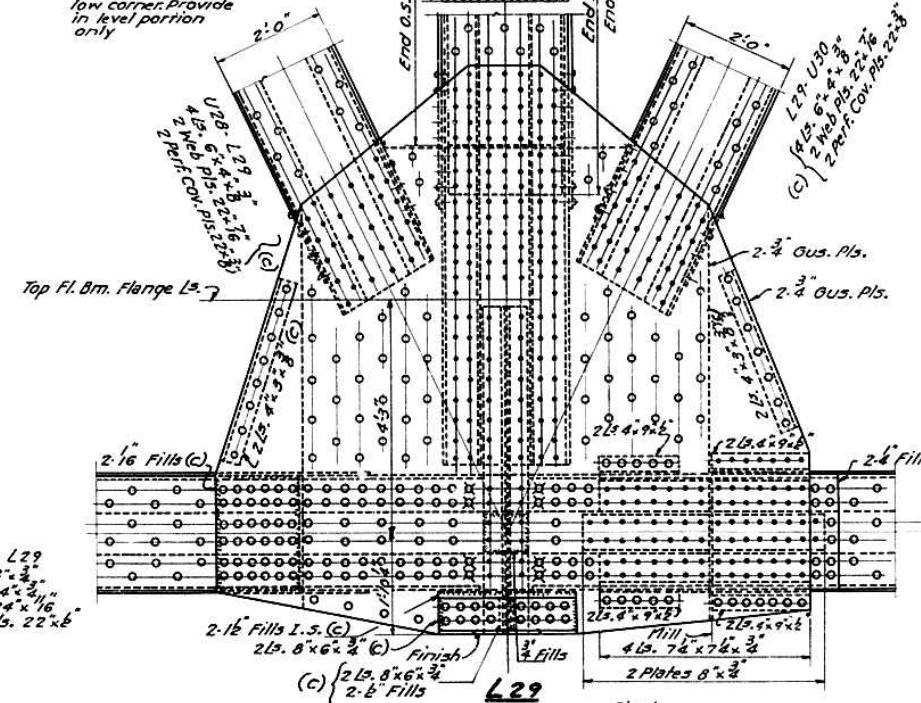


PORTAL AT U19-L18

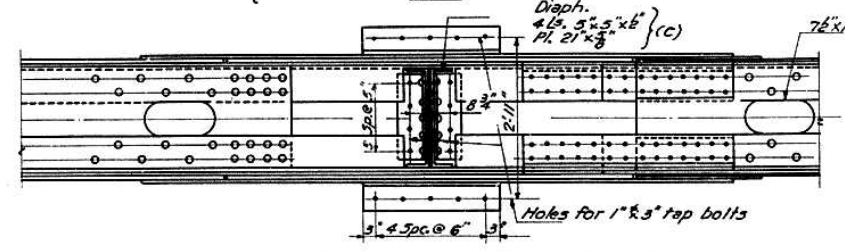
Similar at U20-L19, U34-L33, U35-L34, U43-L44, U44-L45, U58-L59 and U59-L60



SECTION A-A



SPLICE FOR U29-L29
Optional



Note
All Rivets 1" except as noted.
All Steel on this Sheet is Low Alloy steel
except material noted (C) which
is Carbon Steel.

DESIGNED	<i>H. Owen</i>
CHECKED	<i>C. E. Thum</i>
DRAWN	<i>H. L. O. Miller</i>
CHECKED	<i>J. R. G. T. G. T.</i>

EXAMINED	<i>W. R. Romie</i> July 8 1955 ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED	<i>[Signature]</i> SUPERVISOR OF DESIGN
APPROVED	<i>R. B. Bostelmeier</i> CHIEF HIGHWAY ENGINEER

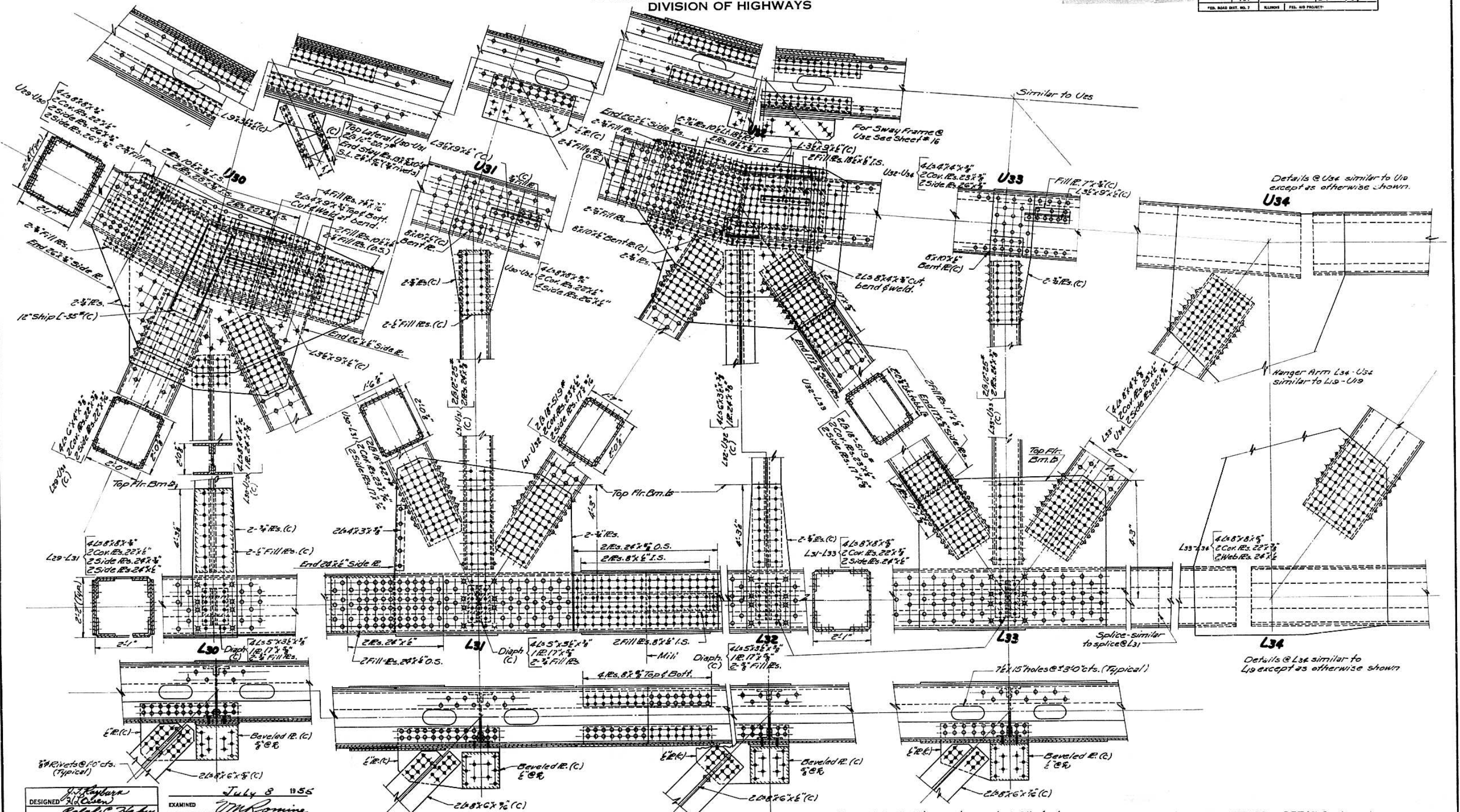
TRUSS DETAILS L29
PROJECT UI-48()
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F. A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

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

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10E	Peoria-Tazewell	37	27
FAI 05	10D		54	39

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT



DESIGNED *J. J. Rayburn*
CHECKED *Carl E. Tinsman, Jr.*
DRAWN *J. J. Rayburn, E. Rust*
CHECKED *CLH*

EXAMINED *W. M. Romine*
PASSED *E. Blum*
APPROVED *R. B. ...*

July 8 1955

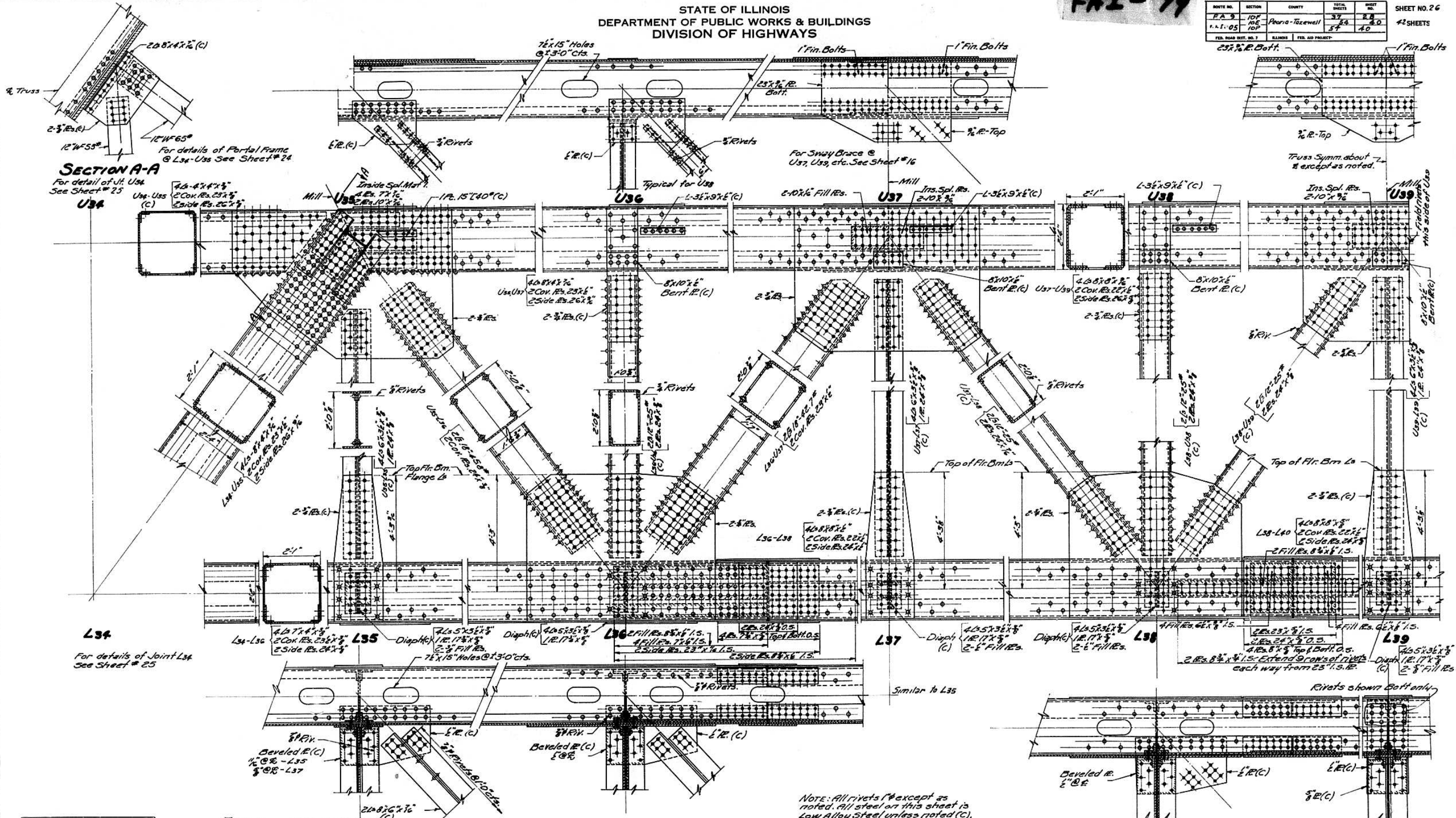
Note: All rivets 1" except as noted. All steel on this sheet is Low Alloy steel unless noted (C). Material noted (C) shall be carbon steel.

TRUSS DETAILS L30 - L34
PROJECT UI-48()
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE-JACKSON STREETS
F. A. ROUTE 9 SECTION 10E-F-P
PEORIA-TAZEWELL COUNTIES

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. OF SHEETS
F.A. 9	10E	Peoria-Tazewell	37	28	42 SHEETS
F.A. 9	10E	Peoria-Tazewell	37	29	42 SHEETS
F.A. 9	10E	Peoria-Tazewell	37	30	42 SHEETS



DESIGNED *J.P. Owen*
CHECKED *C.H. E. Rush*
DRAWN *J.P.H.*
CHECKED *P.C.H.*

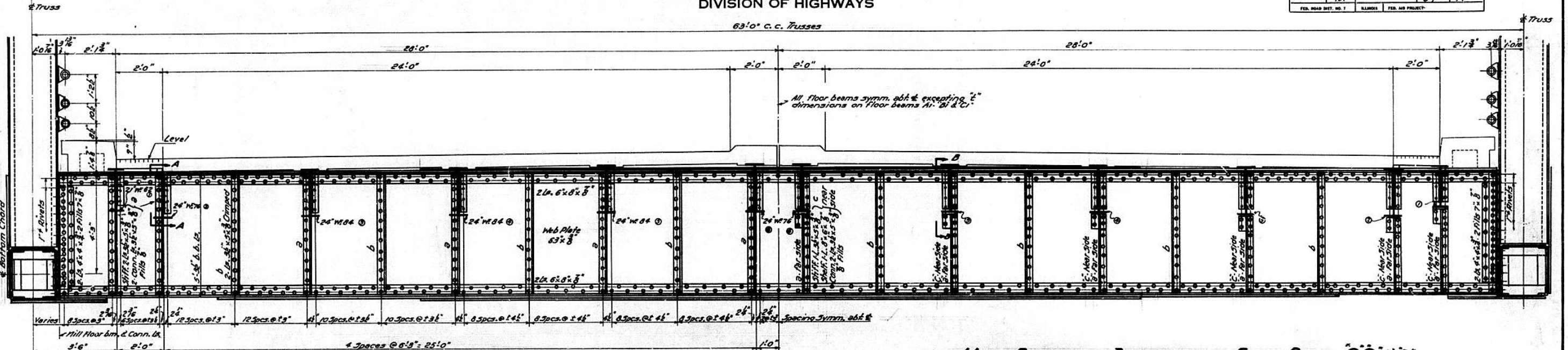
EXAMINED *W.M. Brown*
PASSED *E. Rush*
APPROVED *R.H. Bostrom*

July 8 1955
Typical @ L37
except as noted.

TRUSS DETAILS L35 - L39
PROJECT UI-48()
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

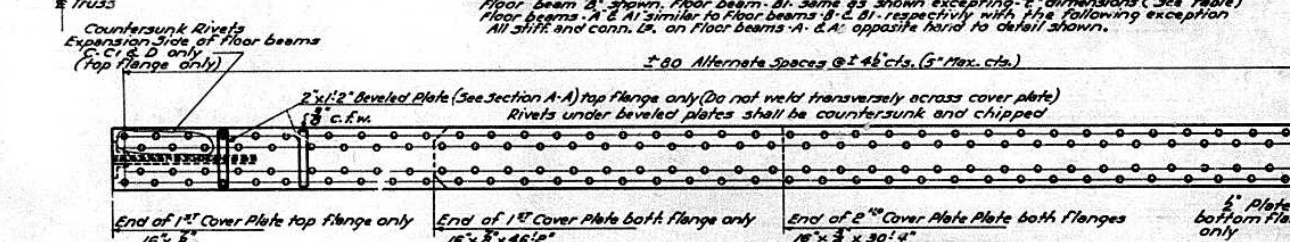
FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P.A. 9	10F	Peoria-Tazewell	42	27
I.I. 05	10E		42	21
	10P		54	41
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



HALF ELEVATION INTERMEDIATE FLOOR BEAMS A-Ai-B-Bi

HALF ELEVATION INTERMEDIATE FLOOR BEAMS C-Ci-D-Di



HALF PLAN INTERMEDIATE FLOOR BEAMS A-Ai-B-Bi-C-Ci-D-Di

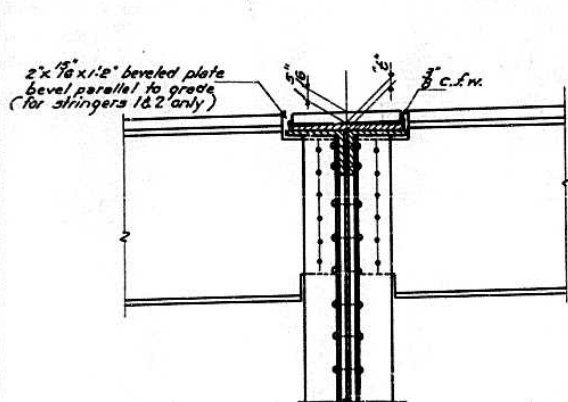
Floor beam D shown. Floor beams C & Ci similar to floor beam D, with the following exceptions. All stiff and conn. is on floor beams C & Ci opposite hand to detail shown.

TABLE OF 't' DIMENSIONS

FLOOR BEAM	STRINGER					
	1	2	3	4	5	6
A-B-C and D	2 7/8	8	16	28	2 3/4	3 3/8
Ai (West of E Bridge)	2 7/8	8	16	28	2 3/4	3 3/8
Ai (East of E Bridge)	5 7/8	4 3/8	4 7/8	4	3 7/8	3 3/8
Bi (West of E Bridge)	2 7/8	8	16	28	2 3/4	3 3/8
Bi (East of E Bridge)	4 7/8	3 3/8	3 3/8	3 3/8	3 3/8	3 3/8
Ci (West of E Bridge)	2 7/8	8	16	28	2 3/4	3 3/8
Ci (East of E Bridge)	3 7/8	2 8	2 7/8	2 3/4	3 7/8	3 3/8

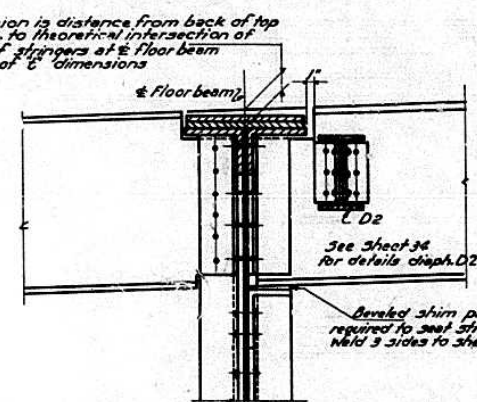
Dimension 't' equals the distance from the back of the top flange angle to the theoretical intersection of the top of stringer at floor beam.

Note: Rivets 5 except as noted.

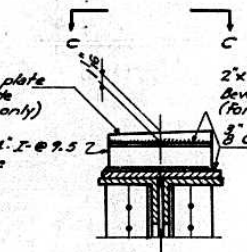


SECTION A-A

For floor beam A-B-C-D both sides of bridge and west of the E Bridge for floor beam Ai, Bi, Ci

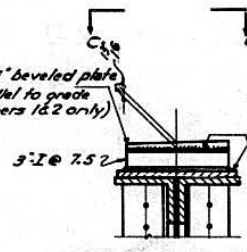


SECTION B-B



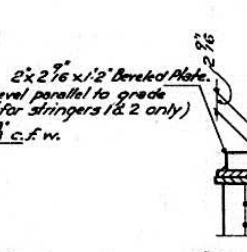
SECTION A-A

For floor beam Ai east of E Roadway.



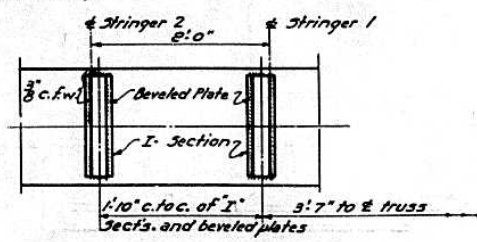
SECTION A-A

For floor beam Bi east of E Roadway.



SECTION A-A

For floor beam Ci east of E Roadway.



SECTION C-C

DESIGNED	W. E. Fisher
CHECKED	W. E. Fisher
DRAWN	C. E. Taylor
CHECKED	C. E. Taylor

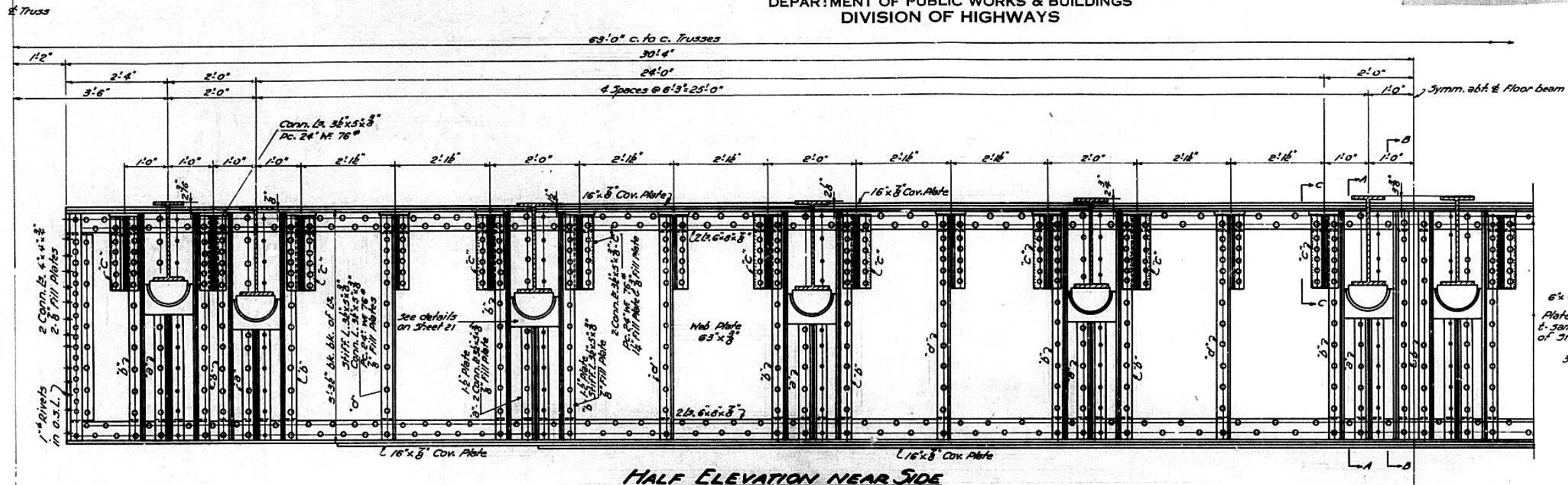
EXAMINED	July 8 1955
PASSED	[Signature]
APPROVED	[Signature]

INTERMEDIATE FLOOR BEAMS "A", "Ai", "B", "Bi", "C", "Ci", "D", "Di"
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F. A. ROUTE 9 SECTION 10E-F-P
PEORIA-TAZEWELL COUNTIES

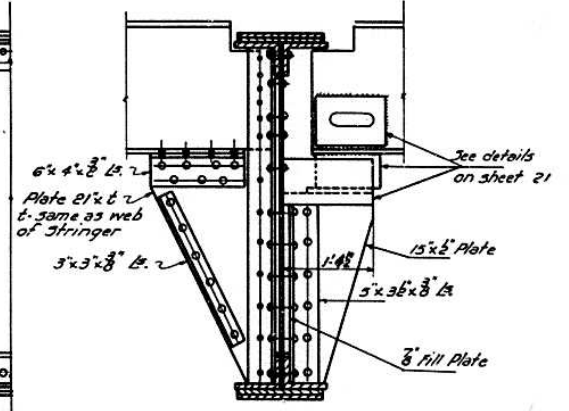
FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10F	Peoria-Tazewell	37	30
I.A.F. 05	10E		52	48
	10F		54	42

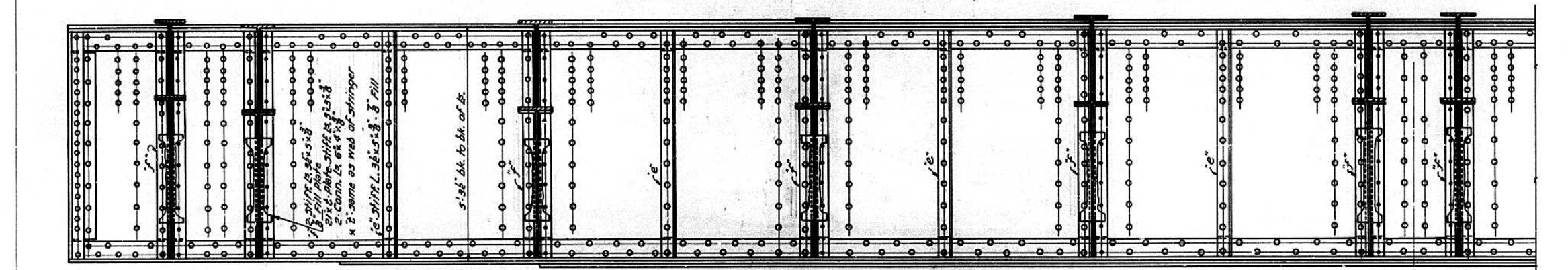
SHEET NO. 28
#2 SHEETS



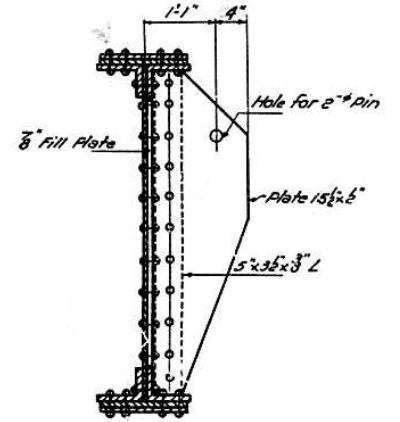
HALF ELEVATION NEAR SIDE



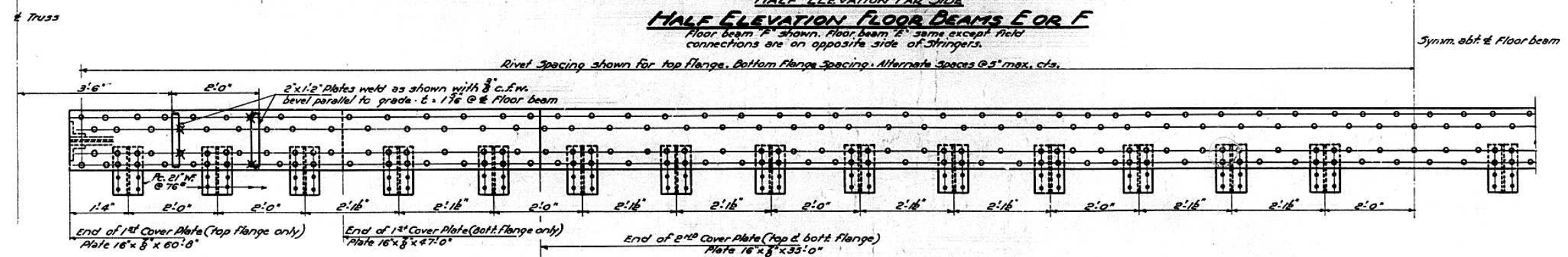
SECTION A-A



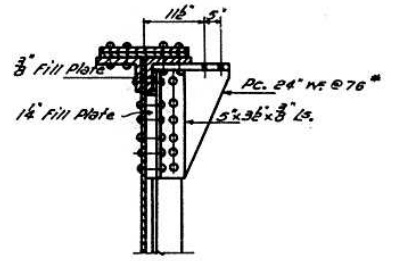
HALF ELEVATION FAR SIDE
HALF ELEVATION FLOOR BEAMS E OR F



SECTION B-B



HALF PLAN FLOOR BEAMS E OR F



SECTION C-C

DESIGNED W.E. FISHER
CHECKED C.E. Hummer
DRAWN W.E. FISHER M. Miller
CHECKED C.E.H.

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

July 8 1955

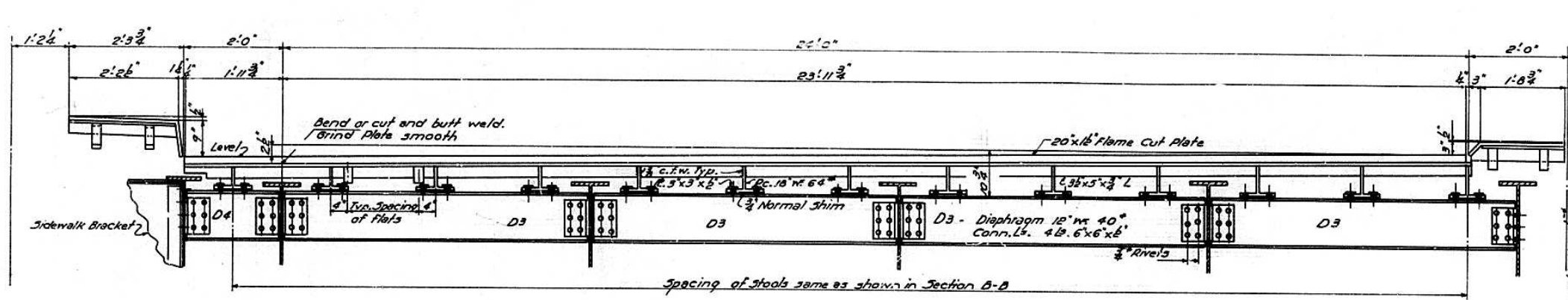
Note: All Rivets 3/8 except as noted.

INTERMEDIATE FLOOR BEAMS E & F
PROJECT UT-48()
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

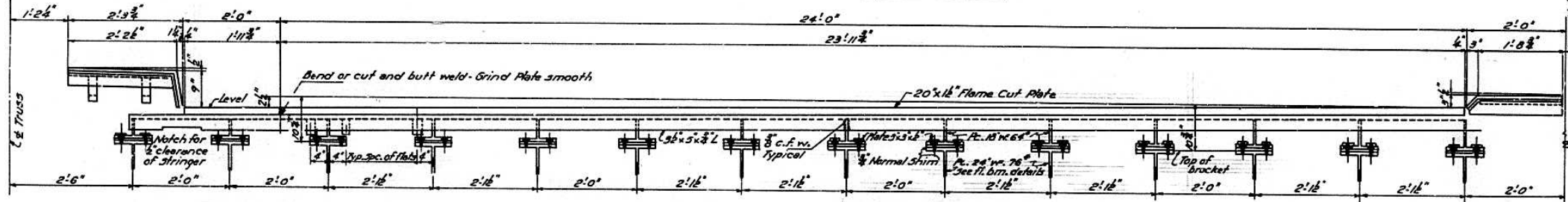
FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 5	10-F	Peoria-Tazewell	31	29
I.A.E. 05	10-F	Peoria-Tazewell	31	29
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

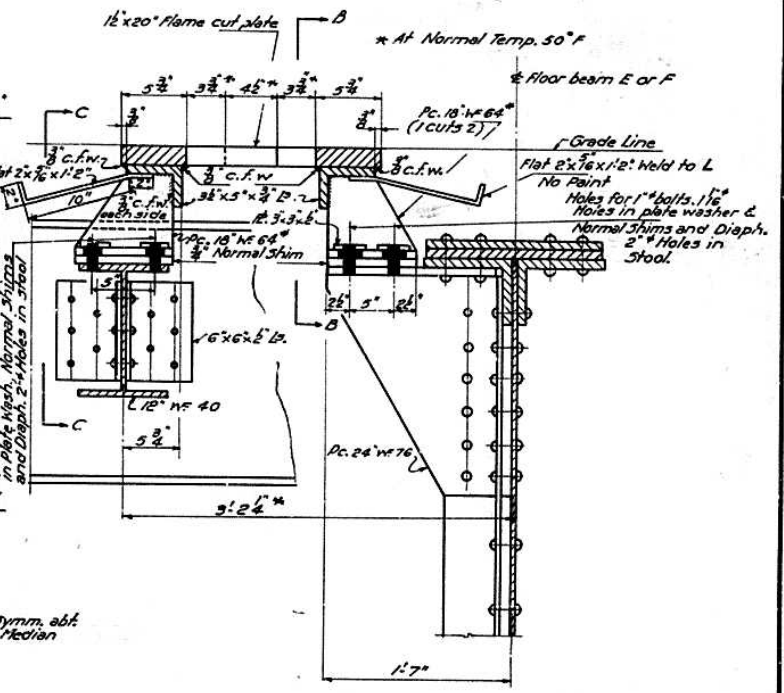
SHEET NO. 29
#2 SHEETS



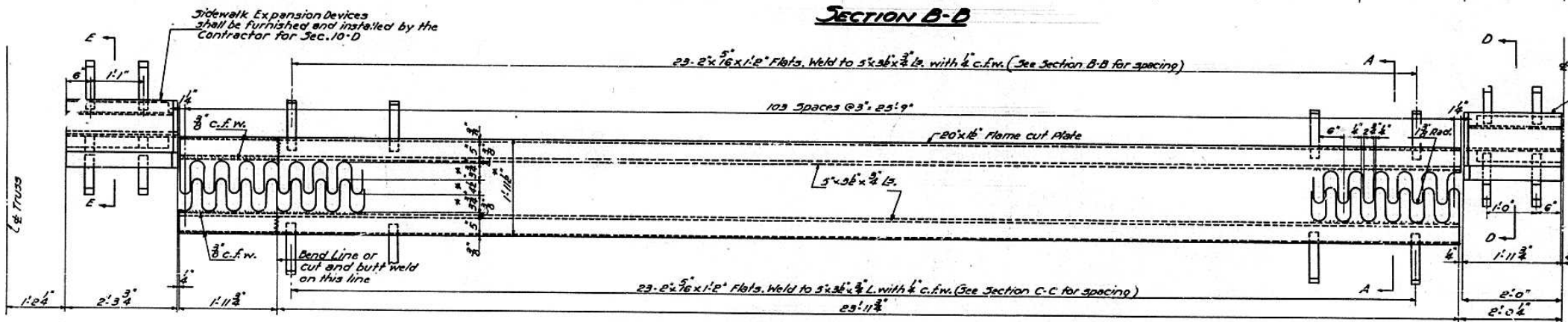
SECTION C-C



SECTION B-D



SECTION A-A

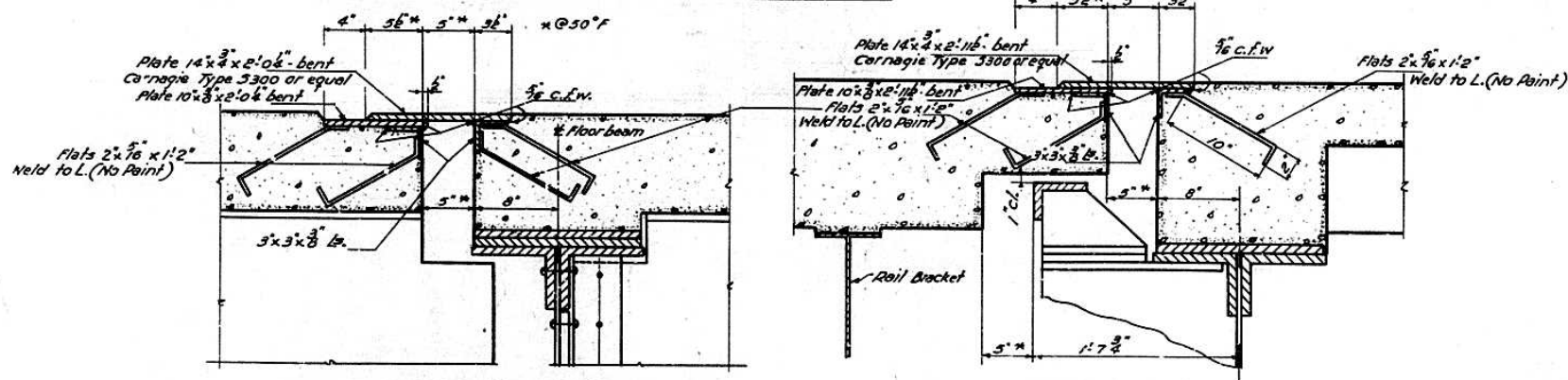


PLAN OF EXPANSION DEVICE AT FLOOR BEAMS E & F

Low Alloy steel shall be used in the following members of Expansion Devices:
 20x16 Expansion Plates
 5x36x3/4 Angles
 The Roadway Expansion Devices shall be assembled in the shop in their proper positions with the two adjacent spans in place, and shall be left assembled for shop inspection.
 Roadway expansion plates shall be flame cut & all turns shall be 1/4" radius.
 The exposed surfaces of underside of roadway and sidewalk expansion plates and the inside vertical surface of angles shall be given two shop coats of red lead paint. Other surfaces shall be given one shop coat of red lead paint same as for Structural Steel.
 Normal Shims shall be made up of two 1/2 plates one 1/2 plate and one 1/4 plate, bevel 1/4 plate as required to erect finger plates parallel to grade.

QUANTITIES EXPANSION DEVICES @ L19, L34, L44 & L59

	SECS. 10-F & E	SEC. 10-D
Low Alloy Steel	29990	
Carbon Steel	12000	2890



SECTION D-D

SECTION E-E

DESIGNED *Carl E. Thum*
 CHECKED *W.E. Fisher*
 DRAWN *C.E.G.*
 CHECKED *C.E.G.*

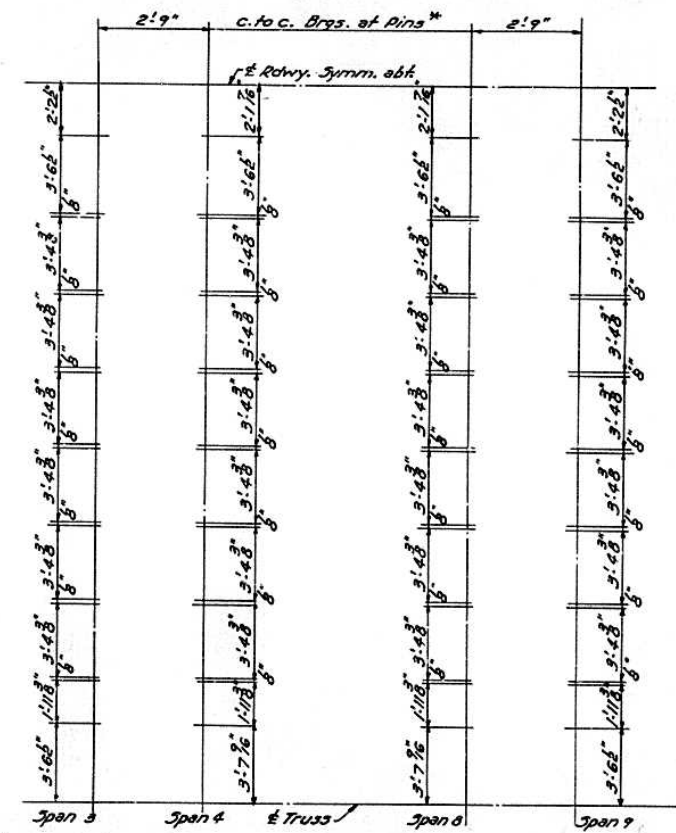
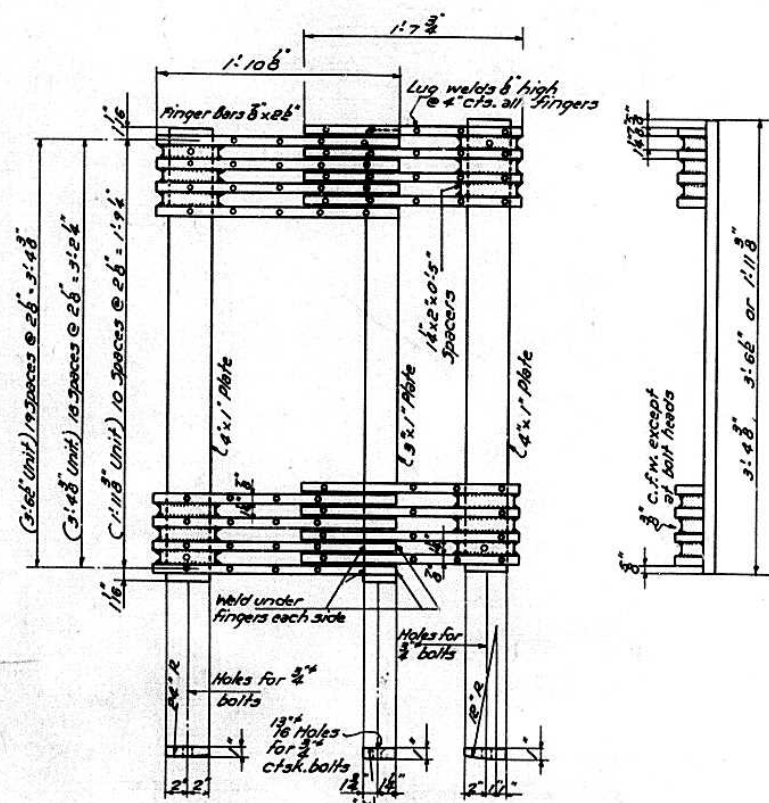
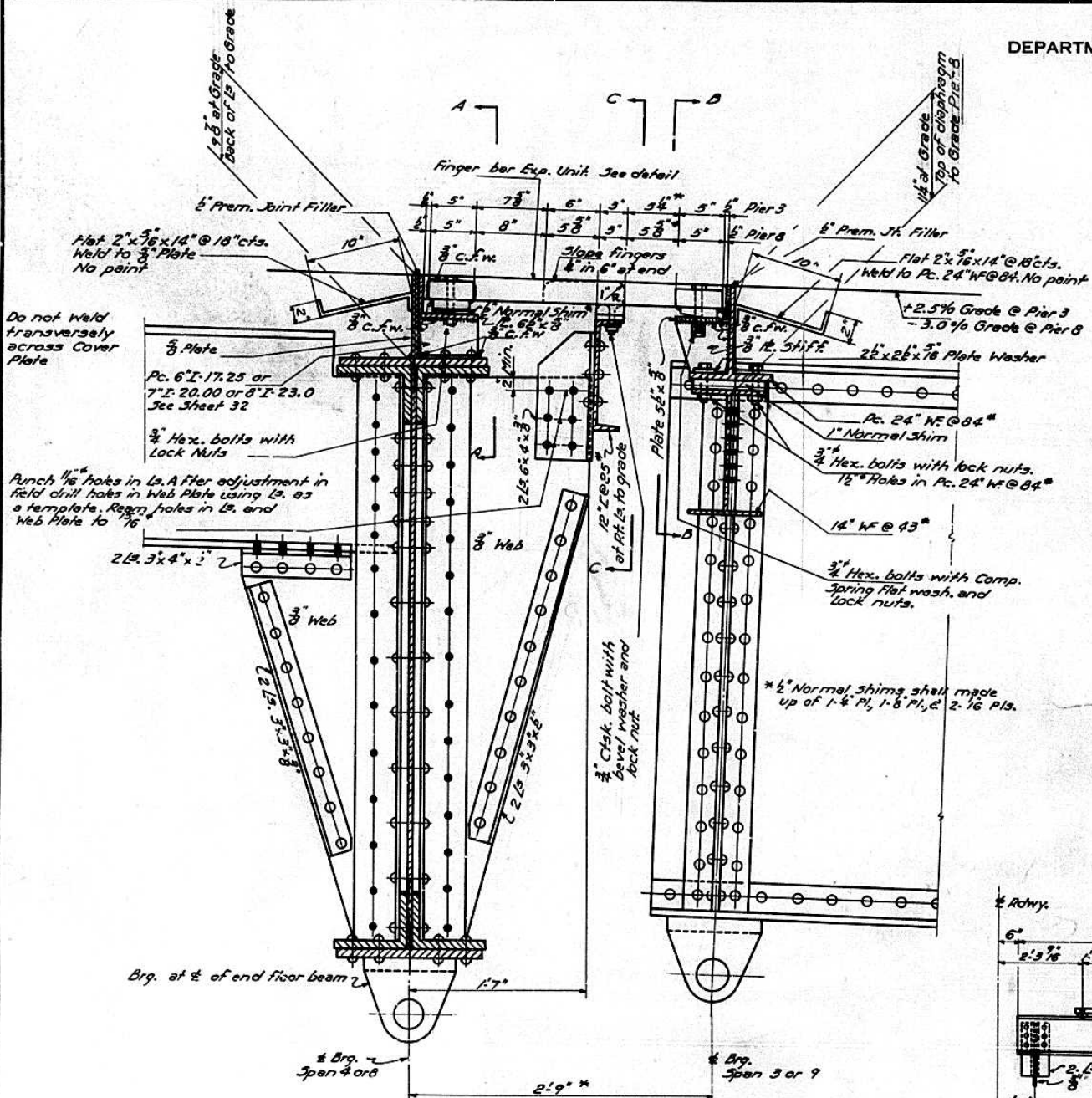
EXAMINED *W.M. Dennis*
 PASSED *[Signature]*
 APPROVED *R.H. Bartelme*
 CIVIL HIGHWAY ENGINEER

JULY 8 1955

EXPANSION DEVICE @ FLOOR BEAMS E & F
 PROJECT UI-48(1)
 ILLINOIS RIVER BRIDGE AT PEORIA
 FAYETTE - JACKSON STREETS
 F.A. ROUTE 9 SECTION 10D-E-F-P
 PEORIA - TAZEWELL COUNTIES

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-74	100	Peoria-Tazewell	32	32
F.A.R. 95	100		25	25-44
	100		5	45-49
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



DETAIL OF EXPANSION UNIT
All steel shown in Detail of Expansion Unit shall be Low Alloy Steel.

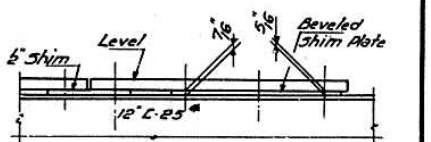
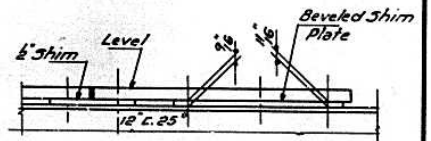
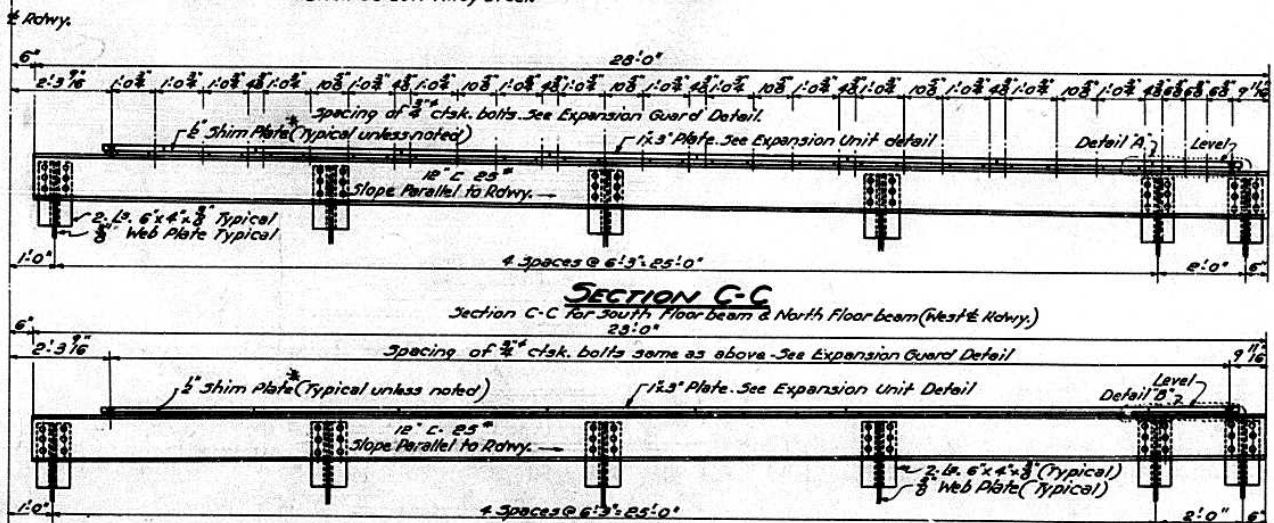
LAYOUT FOR ROADWAY EXPANSION UNITS

EXPANSION GUARD DETAILS
Piers 3 and 8

*(Pier 3) At normal temperature 50°F. Decrease this dimension by 0.39" for each 10° rise in temperature above normal. Increase this dimension by 0.39" for each drop of 10° in temperature below normal.

See Sheet 32 for Sections A-A & B-B

*(Pier 8) At normal temperature 50°F. Decrease this dimension by 0.52" for each 10° rise in temperature above normal. Increase this dimension by 0.52" for each drop of 10° in temperature below normal.



QUANTITIES EXPANSION DEVICE PIERS 3 & 8

	Sec. 10F	Sec. 10E	Sec. 10D
Low-Alloy Steel	23520	23520	
Carbon Steel	16920	16920	1590

The above quantities consist of all steel above the top of the End Floor beam above the slabs, on the girder spans, and the 12\"/>

DESIGNED	W.E. FISHER	EXAMINED	<i>[Signature]</i>
CHECKED	<i>[Signature]</i>	PASSED	<i>[Signature]</i>
DRAWN	W.E.F.	APPROVED	<i>[Signature]</i>
CHECKED	<i>[Signature]</i>		

Revised 11-9-55 - O.J.Mc
Rev. for Sec. E 8-20-56 R.B.M.

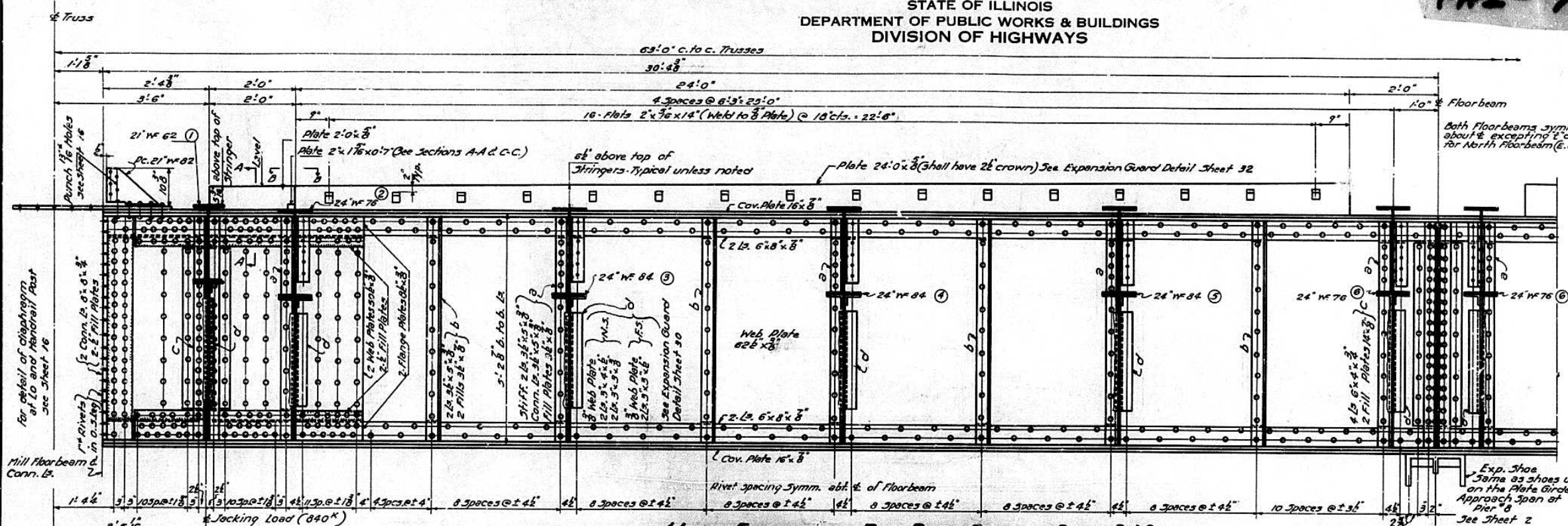
EXPANSION GUARD DETAILS @ PIERS 3 & 8
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. RT. 9 SECTION 10D-E-F-P
PEORIA - TAZEWELL COUNTIES

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

FAI-74

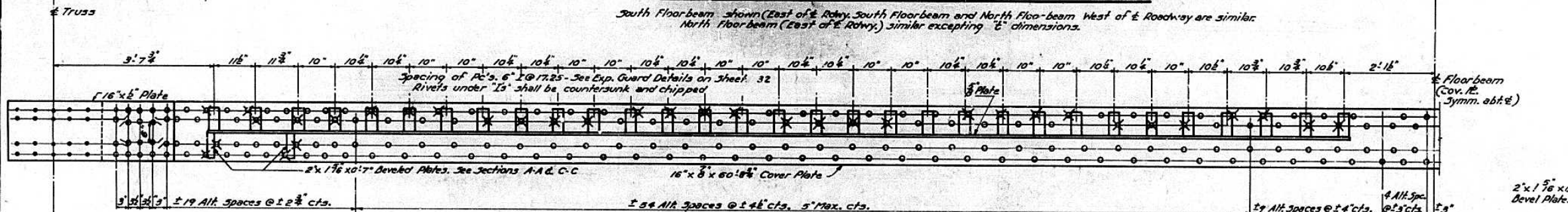
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10E	Peoria-Tazewell	37	33
F.A.R. 05	10E		34	33
			37	33

PROJECT NO. 7 ILLINOIS FED. AID PROJECT

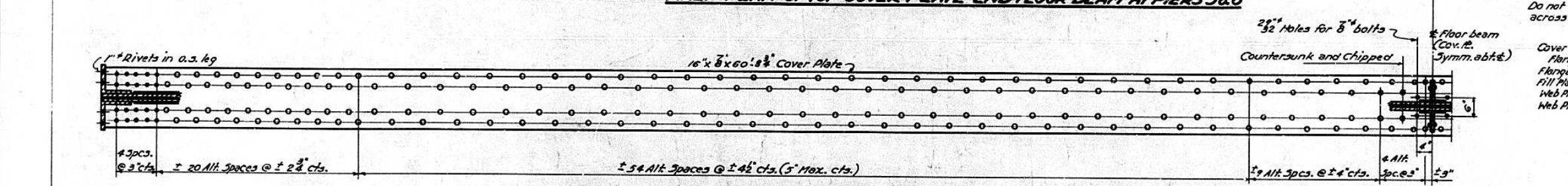


HALF ELEVATION- END FLOOR BEAM AT PIERS 3&8

South Floor beam shown (East of & Rowy. South Floor beam and North Floor beam West of & Roadway are similar. North floor beam (East of & Rowy.) similar excepting "e" dimensions.



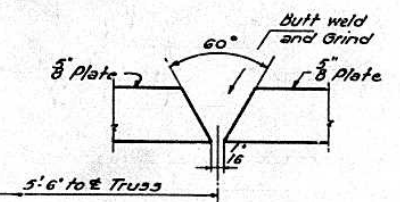
HALF PLAN OF TOP COVER PLATE- END FLOOR BEAM AT PIERS 3&8



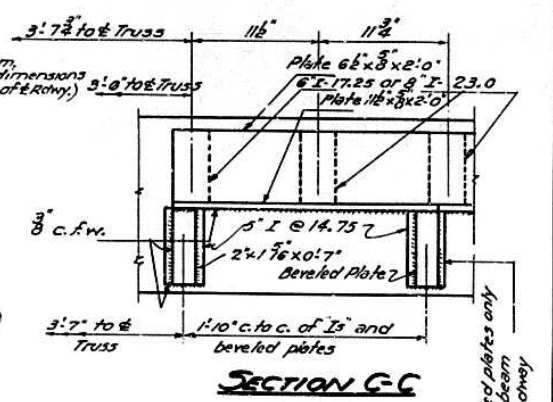
HALF CROSS SECTION OF BOTTOM COVER PLATE- END FLOOR BEAM AT PIERS 3&8

TABLE OF "e" DIMENSIONS
Dimension "e" equals the distance from the back of the top flange angle to the theoretical intersection of the top of stringers at the center of the floor beam

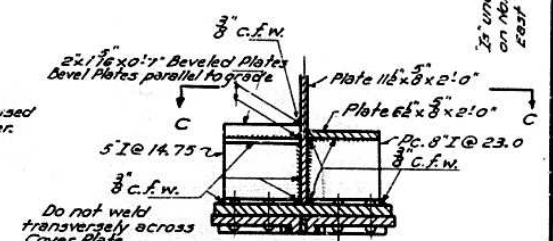
End Floor beam	STRINGER					
	1	2	3	4	5	6
South End of Truss	2 7/8"	5"	16"	26"	22"	33"
North End of Truss West of & Roadway	2 7/8"	5"	16"	26"	22"	33"
North End of Truss East of & Roadway	7 7/8"	5 1/2"	5 1/2"	4 3/8"	4"	33"



SECTION B-B

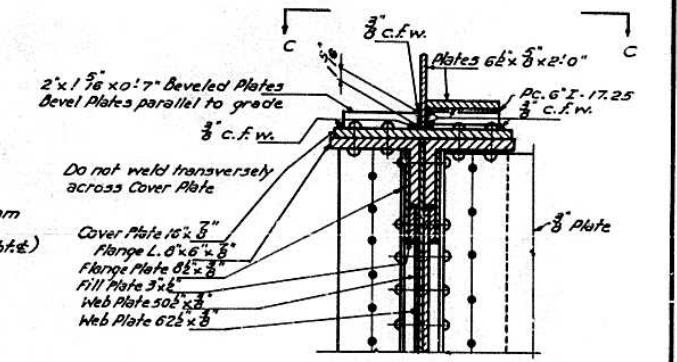


SECTION C-C



SECTION A-A

North Floor beam East of & Roadway.



SECTION A-A

South Floor beam and West of & Roadway on North Floor beam

All Rivets 3/8" except as noted.

DESIGNED	Carl E. Hummer	EXAMINED	July 8 1955
CHECKED	W. E. Fisher	PASSED	[Signature]
DRAWN	W. E. F. Miller	APPROVED	[Signature]
CHECKED	W. E. F. C.E.T.		

END FLOOR BEAMS
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

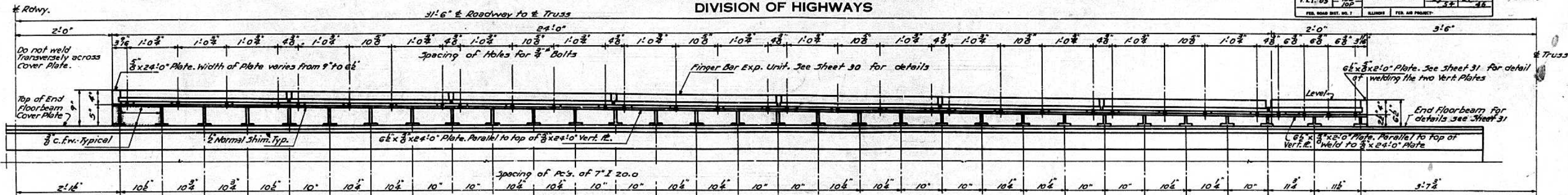
South Floorbeam
Symm. abt.

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

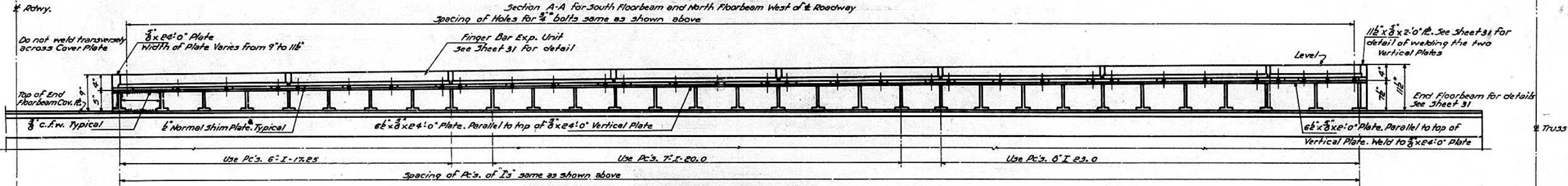
FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10D	Peoria-Tazewell	37	32
F.A.I. 05	10D		37	32
FEL ROAD DIST. NO. 1	ILLINOIS	FEL. AID PROJECT		

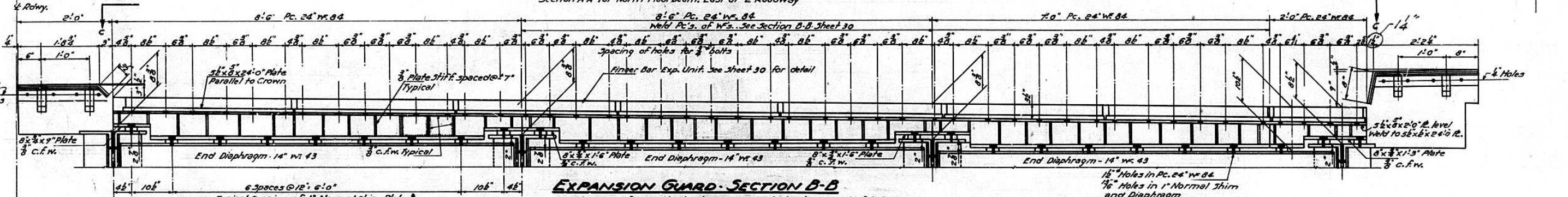
SHEET NO. 32
#2 SHEETS



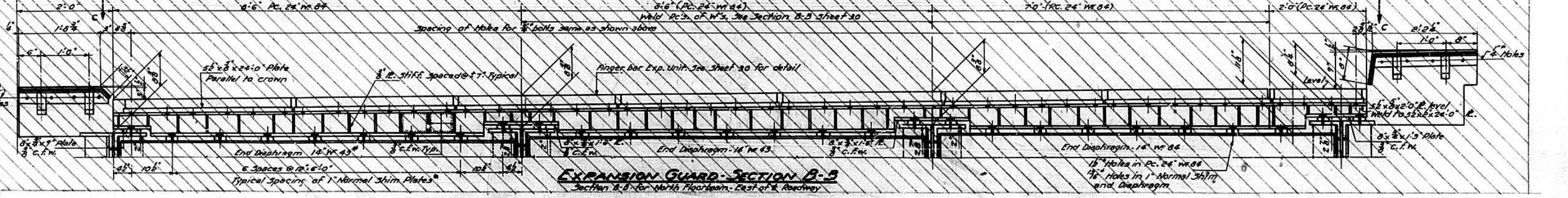
EXPANSION GUARD-SECTION A-A See Sheet 30



EXPANSION GUARD-SECTION A-A



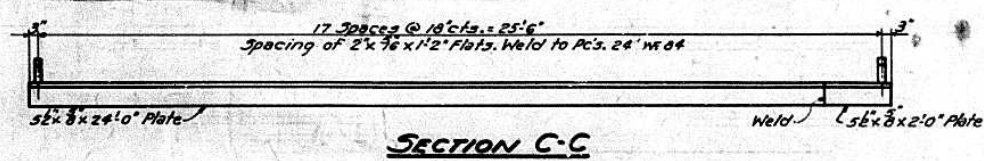
EXPANSION GUARD-SECTION B-B



EXPANSION GUARD-SECTION B-B

DESIGNED	W.E. FISHER	EXAMINED	July 8 1955
CHECKED	W.E. FISHER	PASSED	
DRAWN	C. E. V. M. Miller	APPROVED	
CHECKED	W.E.F. C.E.V.S.		

* 1/2" Normal Shim Pls. shall be made up of 1-1/4" Pl, 1-1/8" Pl. & 2-1/8" Pls.
* 1" Normal Shim Pls. shall be made up of 1-1/2" Pl, 1-1/4" Pl, 1-1/8" Pl. and 2-1/8" Pls.



SECTION C-C

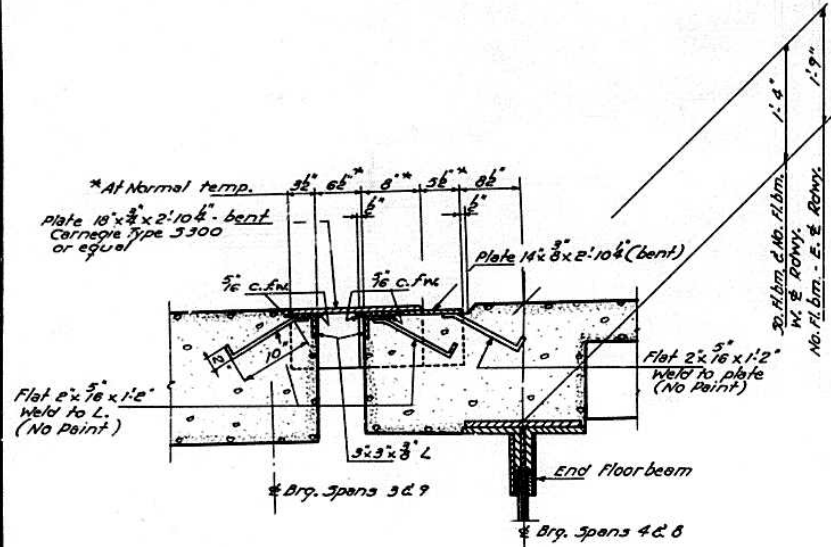
EXPANSION GUARD DETAILS @ PIER 3 OR 8
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F. A. ROUTE 9 SECTION 10D-E-F-P
PEORIA - TAZEWELL COUNTIES

Revised 11-9-55 - OJMC
Rev. for Sec. E 8-20-56 R.B.M.

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

FAI-74

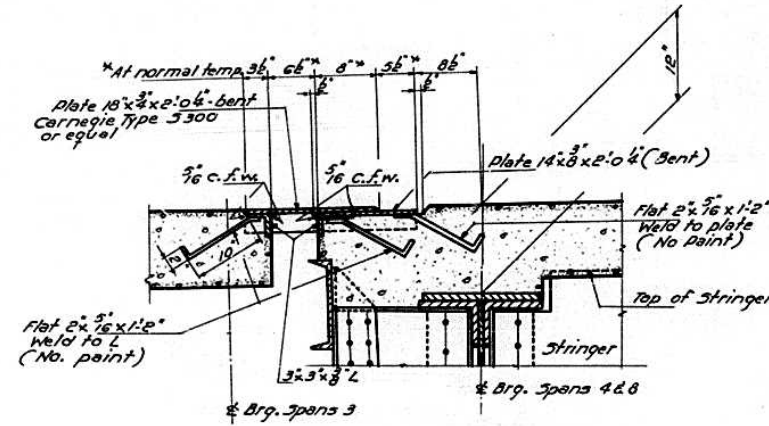
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 33 #2 SHEETS
S.A. 9	10D	Peoria-Tazewell	28	22	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT			



SECTION THRU SIDEWALK EXPANSION DEVICE

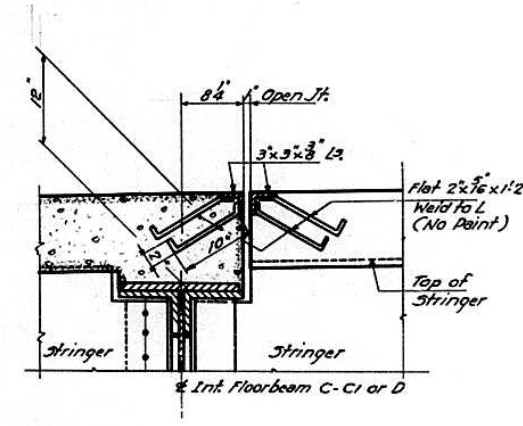
At End Floorbeams
See Sheet 32

Sidewalk and Median Expansion Devices at End Floor Beams shall be furnished and installed by the Contractor for Sec. 10-D



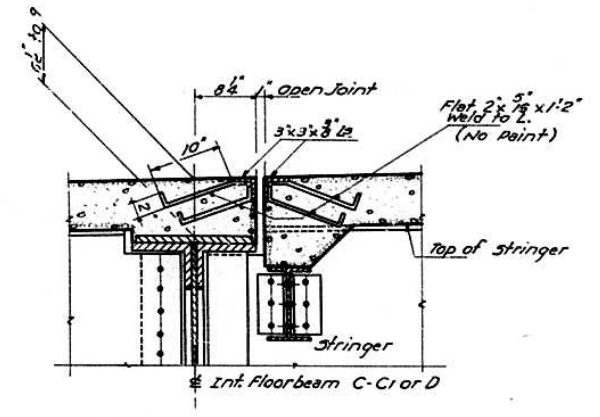
SECTION THRU MEDIAN EXPANSION DEVICE

At End Floorbeams
See Sheet 32



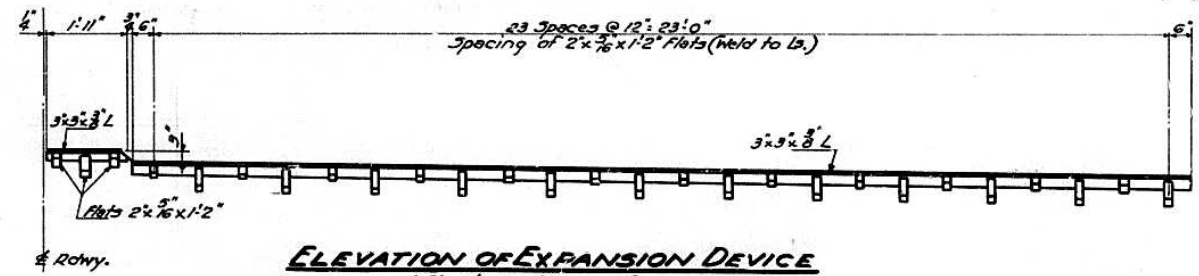
SECTION THRU MEDIAN EXPANSION DEVICE

At Floorbeams C-C1 or D



SECTION THRU SLAB EXPANSION DEVICE

At Floorbeams C-C1 or D



ELEVATION OF EXPANSION DEVICE

At Floorbeam C-C1 or D
Sidewalk, Roadway and Median Expansion Devices at Floorbeams C, C₁, and D shall be furnished and installed by the Contractor for Sec. 10-D

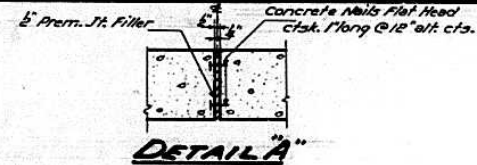
QUANTITIES EXP. DEVICES @ FL. BEAMS C-C1 AND D

Carbon Steel -	Section 10-D	21400*
----------------	--------------	--------

DESIGNED	<i>Carl E. Thum</i>
CHECKED	W. E. FISHER
DRAWN	CET. M. Miller
CHECKED	W. E. FISHER

EXAMINED	<i>W. E. Fisher</i>	July 8 1955
PASSED	<i>[Signature]</i>	
APPROVED	<i>R. R. Burtch</i>	

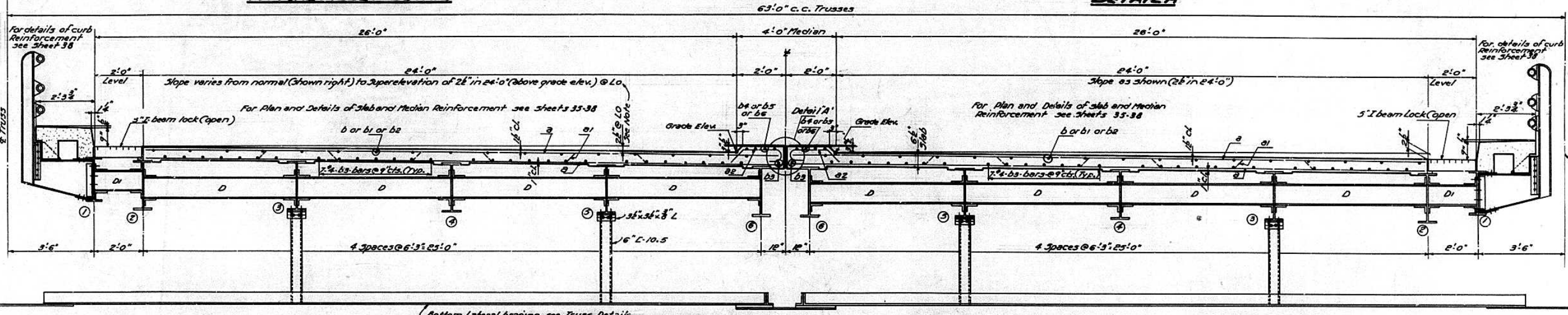
EXPANSION DEVICE DETAILS
PROJECT UI-48()
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F. A. ROUTE 9 SECTION 10D
PEORIA - TAZEWELL COUNTIES



ROUTE NO.	SECT. NO.	COUNTY	TOTAL SHEETS	SHEET NO.
EA 9	10	Peoria-Tazewell	37	34
P.A.I. 05	10		27	27
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

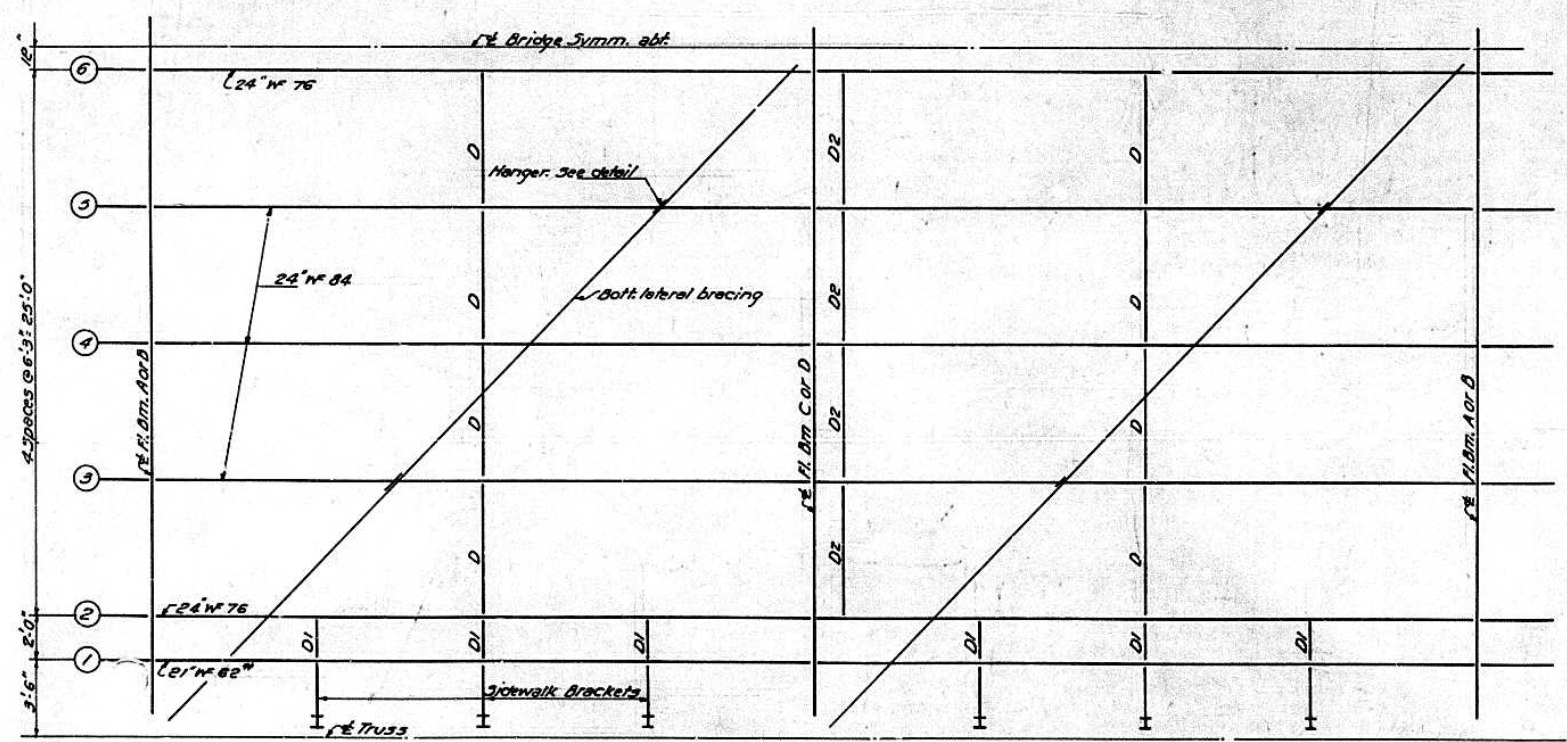
SHEET NO. 34
42 SHEETS

TYPICAL FILLET DETAIL



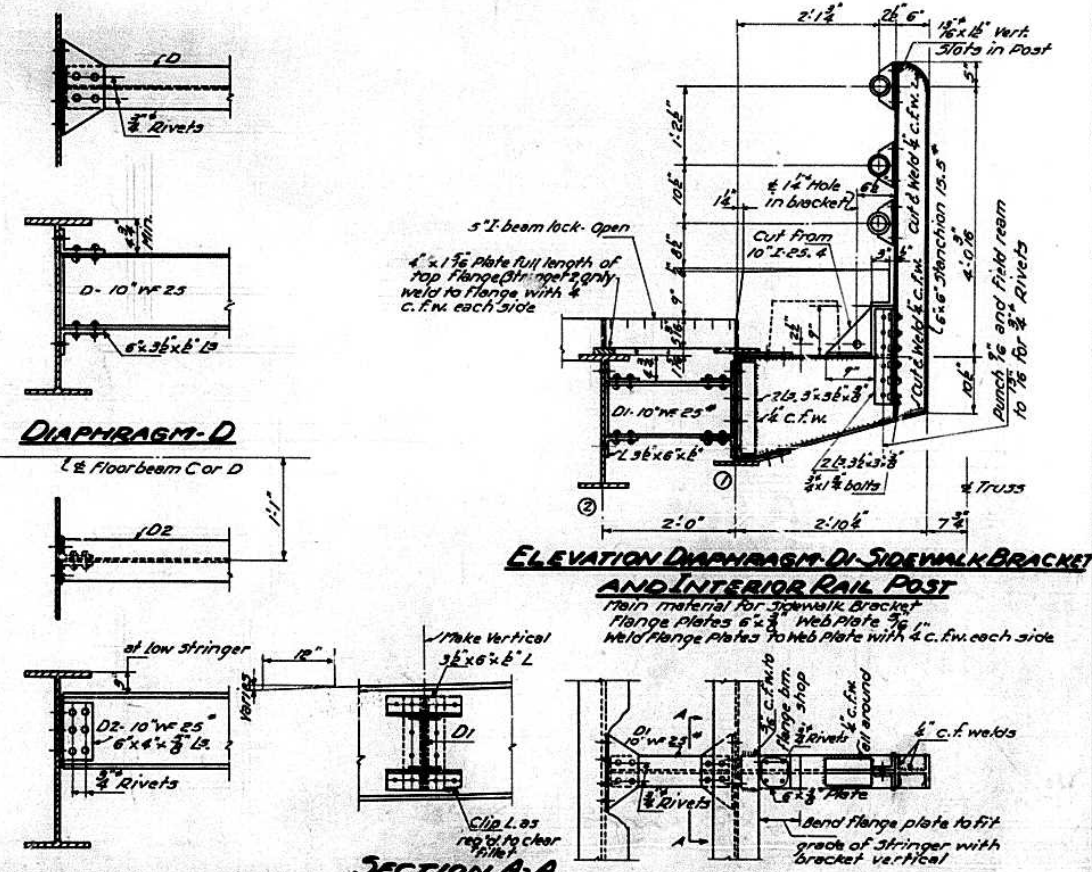
HALF CROSS SECTION LO TO L4 EAST OF E AT NORTH END OF BRIDGE

HALF CROSS SECTION EXCEPT LO TO L4 EAST OF E AT NORTH END OF BRIDGE



HALF PLAN TYPICAL FLOOR FRAMING

Except L18 to L20 and L33 to L35 see sheet 21 for Framing Plan of L18 to L20 and L33 to L35



ELEVATION DIAPHRAGM-D1 SIDEWALK BRACKET AND INTERIOR RAIL POST

Main material for sidewalk bracket: Flange Plates 6" x 8" Web Plate 1/2" x 10" Weld Flange Plates to web plate with 4 c.f.w. each side

SECTION A-A PLAN SIDEWALK BRACKET & DIAPHRAGM-D1

CROSS SECTION & TYPICAL FRAMING DETAILS SPANS 4-5-6-7 & 8

PROJECT UT-48 ()
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
E. A. ROUTE 9 SECTION 10D-E-F-P
PEORIA - TAZEWELL COUNTIES

DESIGNED	W. E. F.
CHECKED	W. E. F.
DRAWN	C. E. T.
CHECKED	W. E. F.

EXAMINED	W. E. F.
PASSED	C. E. T.
APPROVED	R. R. ...

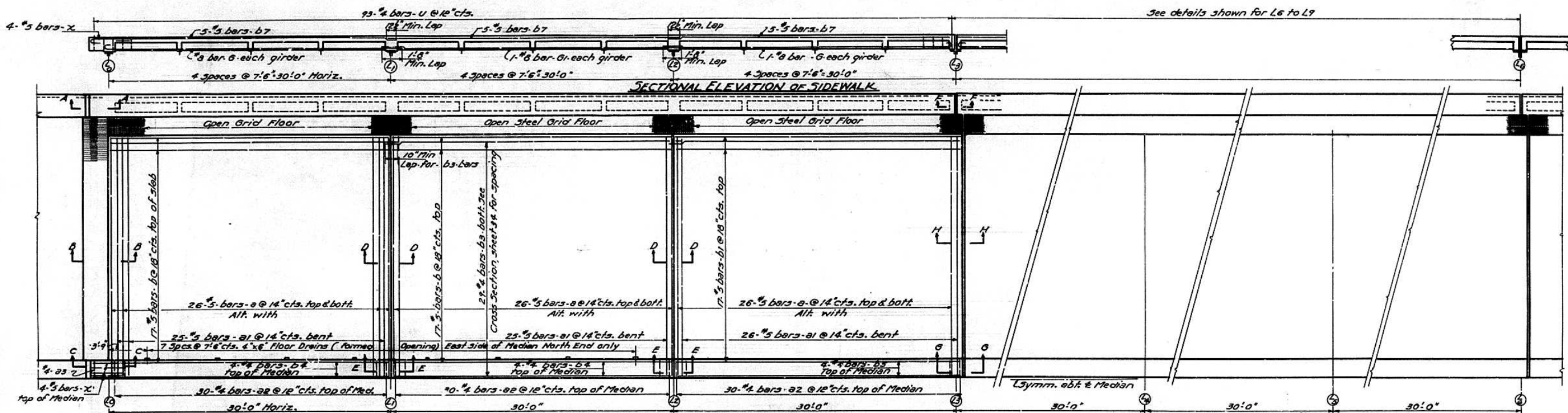
Rivets 5/8" unless noted.

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

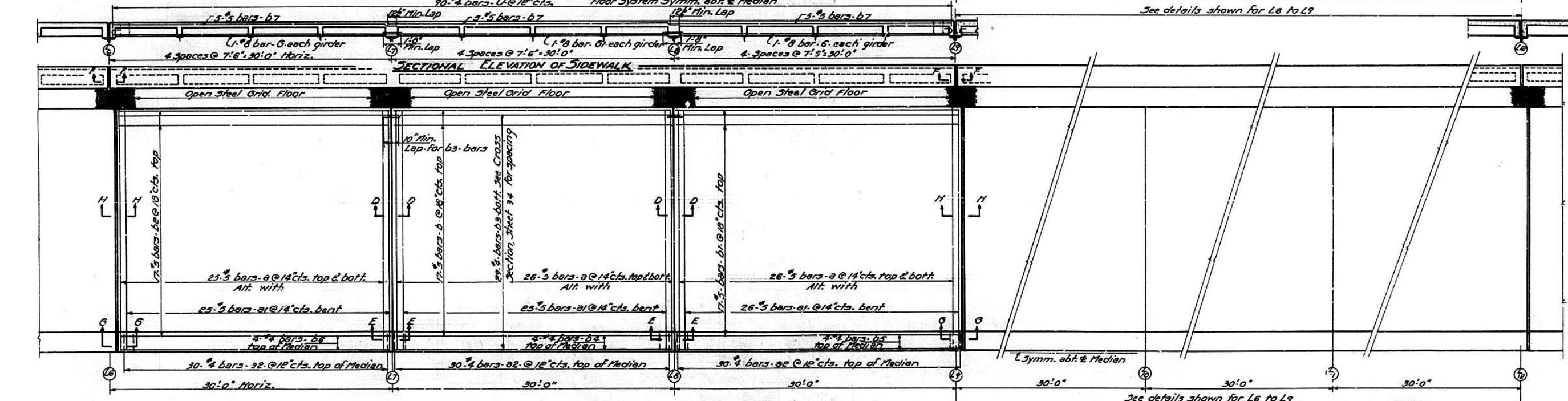
FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10 E	100 D	Peoria-Tazewell	58	48
P.A.E. 05	100		54	24
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		48

SHEET NO. 35
#2 SHEETS



HALF PLAN FLOOR SYSTEM
Floor System Symm. abt. & Median



HALF PLAN FLOOR SYSTEM
Floor System Symm. abt. & Median

DESIGNED *Carl E. Hummel*
CHECKED W. E. FISHER
DRAWN C.E.F. *H. Miller*
CHECKED W.E.F. *C.E.F.*

EXAMINED *W. E. Fisher*
PASSED *W. E. Fisher*
APPROVED *R. C. Patel*
July 8 1955

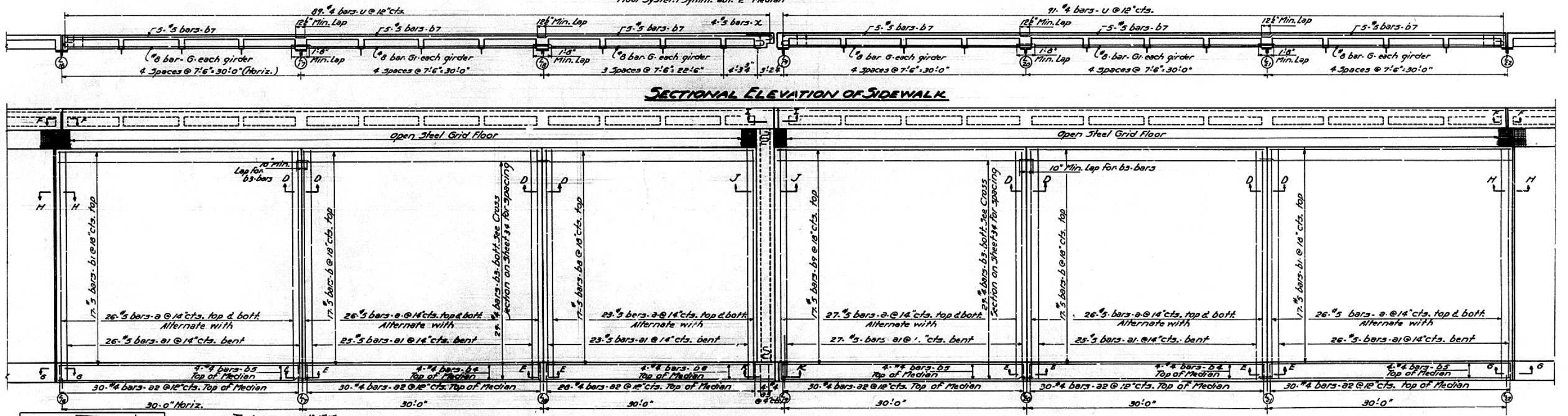
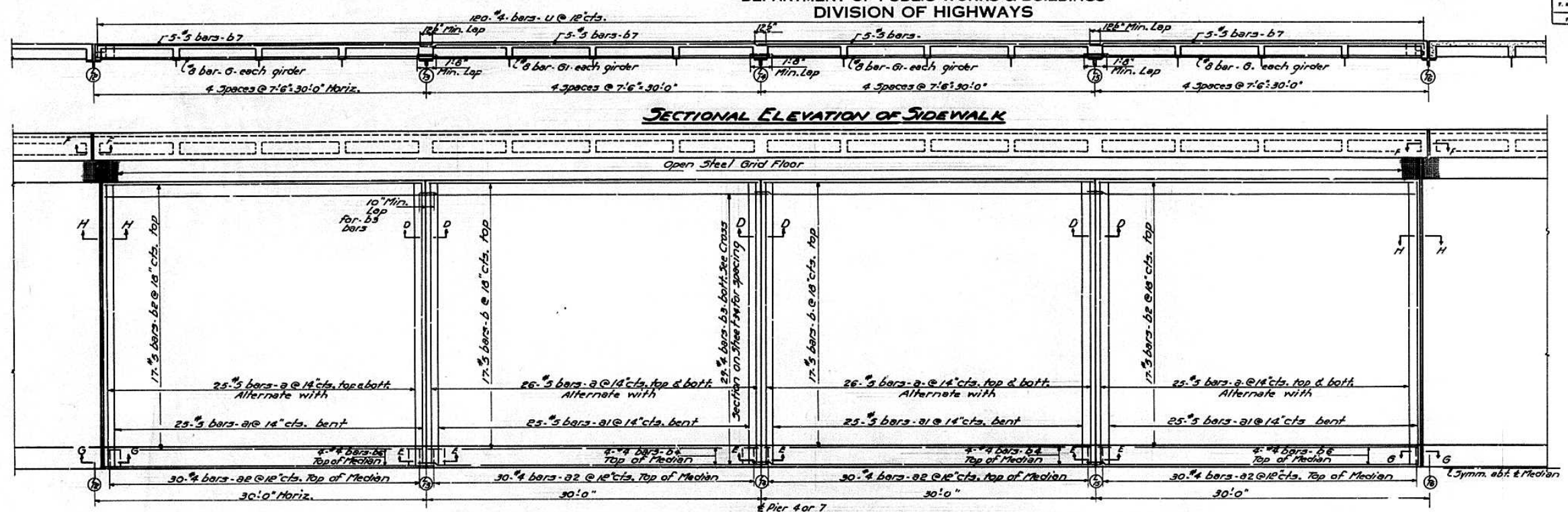
REINFORCEMENT SPANS 4-5-6-7 & 8
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
E. A. ROUTE 9 SECTION 100-E-P
PEORIA - TAZEWELL COUNTIES

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

FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
100	100	Peoria-Tazewell	42	36
F.A. 05	100		54	47

SHEET NO. 36
42 SHEETS



DESIGNED *C.E.T.*
CHECKED *W.E. FISHER*
DRAWN *C.E.T.*
CHECKED *W.E.F.*

EXAMINED *W.M. [Signature]*
PASSED *[Signature]*
APPROVED *R.D. [Signature]*

July 8 1955

HALF PLAN FLOOR SYSTEM
Floor System Symm. about E Median

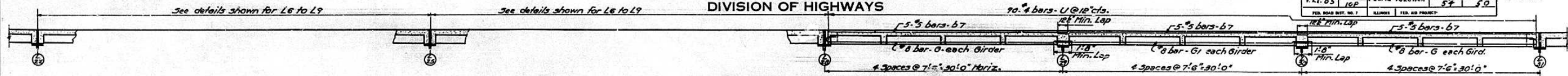
REINFORCEMENT SPANS 4-5-6-7 & 8
PROJECT UT-48()
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10D-E-P
PEORIA - TAZEWELL COUNTIES

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

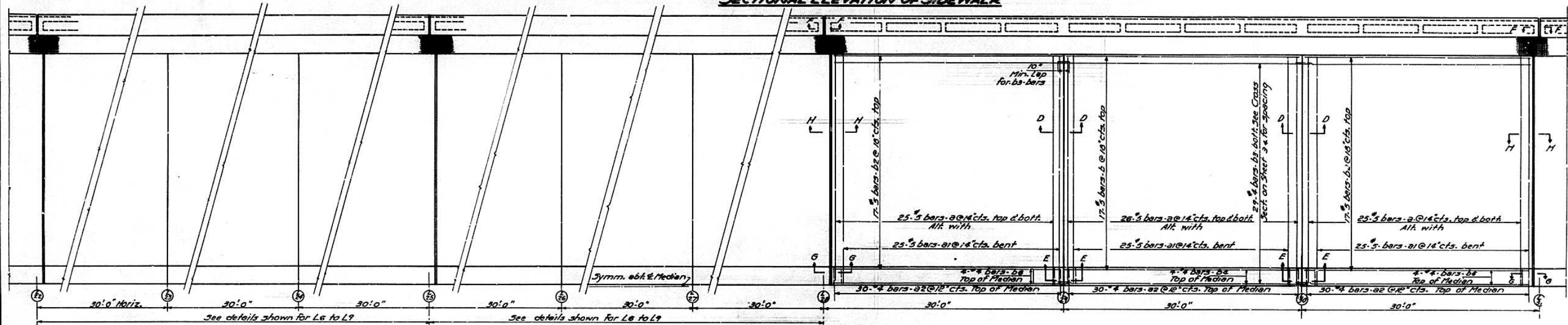
FRI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
108	10B	Peoria-Tazewell	34	30
F.A.R. 05	10P		34	30

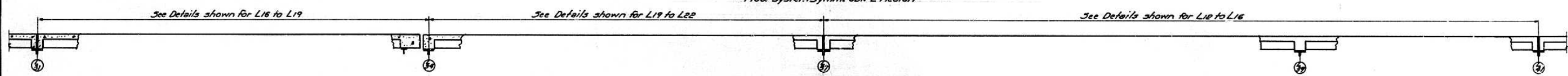
SHEET NO. 37
#2 SHEETS



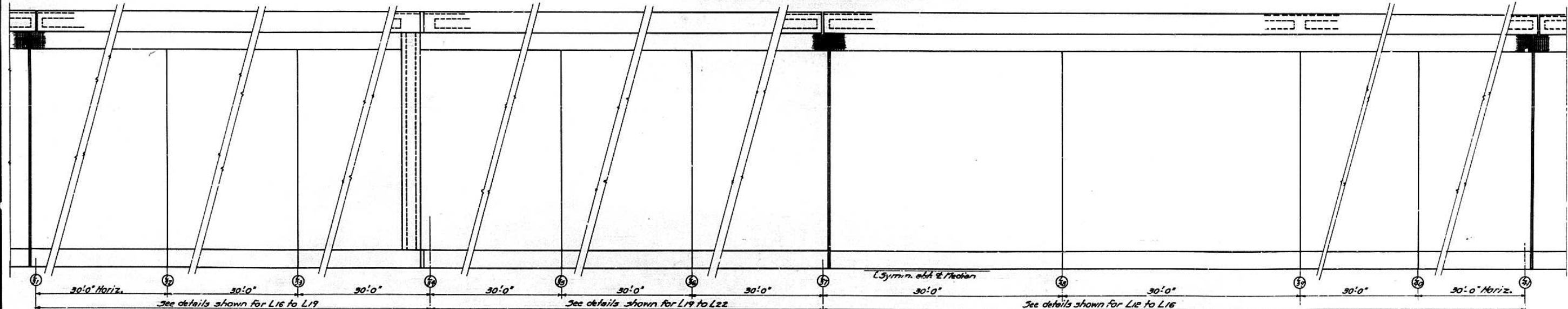
SECTIONAL ELEVATION OF SIDEWALK



HALF PLAN FLOOR SYSTEM
Floor System Symm. abt. Median



SECTIONAL ELEVATION OF SIDEWALK



HALF PLAN FLOOR SYSTEM
Floor System Symm. abt. Median

DESIGNED *Capl. E. Thompson*
CHECKED *W. E. FISHER*
DRAWN *CEA* *H. Miller*
CHECKED *W.E.F. CEA*

EXAMINED *W. R. ...*
PASSED *E. ...*
APPROVED *R. H. ...*
July 8 1955

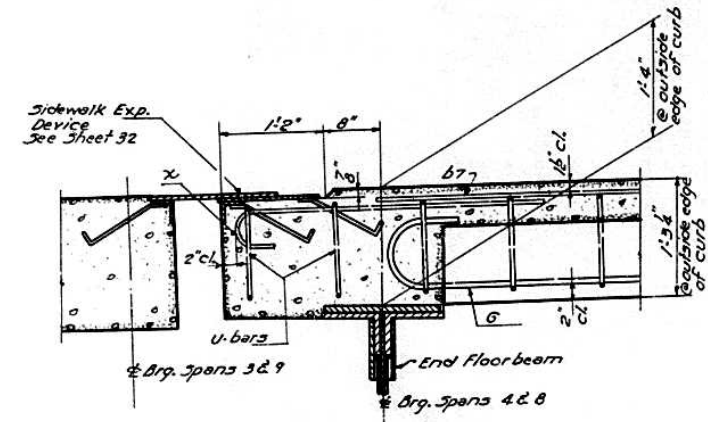
Slab and Curb details for spans 4-5-6-7 & 8
Symm. abt. L39

REINFORCEMENT SPANS 4-5-6-7 & 8
PROJECT UT-48()
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10D-E-P
PEORIA - TAZEWELL COUNTIES

PAE-74

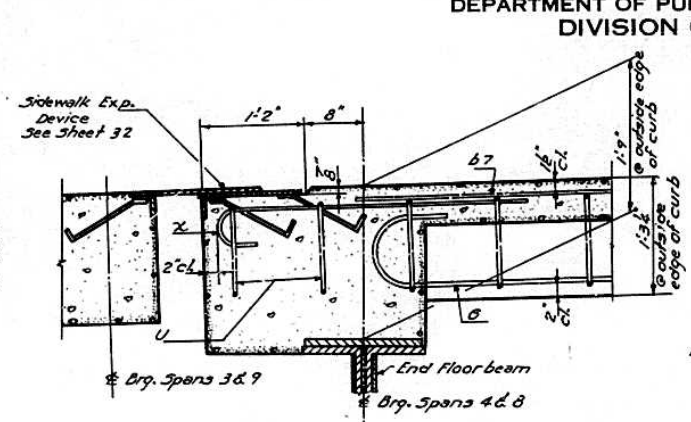
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
E.A. 9	100	Peoria-Tazewell	27	27
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

SHEET NO. 38
42 SHEETS



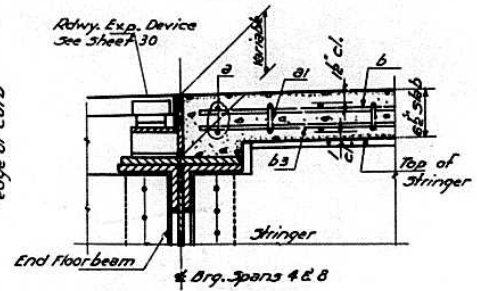
SECTION A-A

Section A-A for South Floorbeam and North Floorbeam (West of Rwy.)

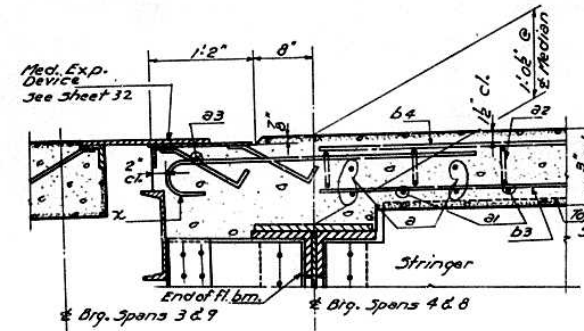


SECTION A-A

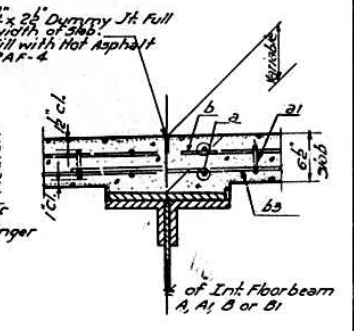
Section A-A for North Floorbeam (East of Rwy.)



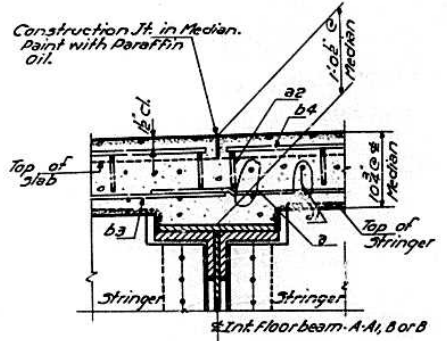
SECTION B-B



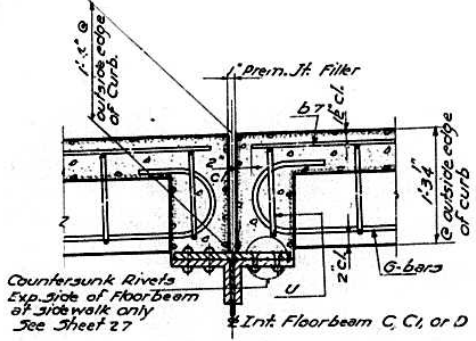
SECTION C-C



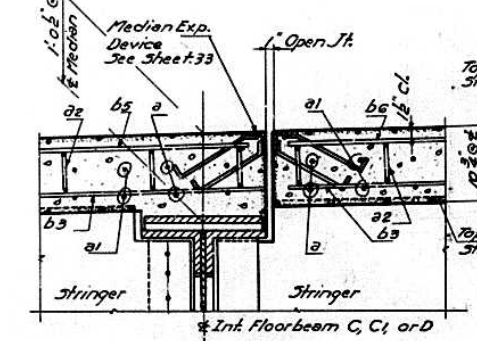
SECTION D-D



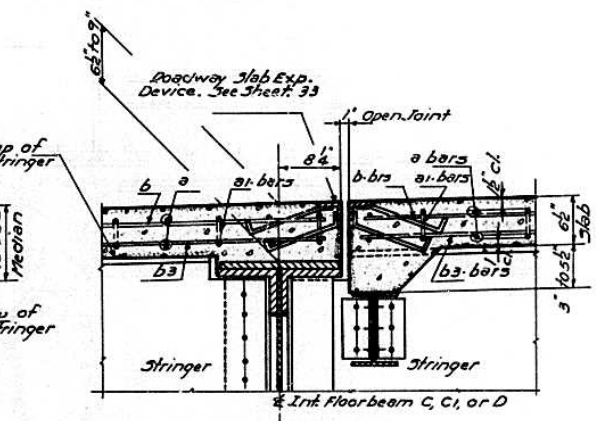
SECTION E-E



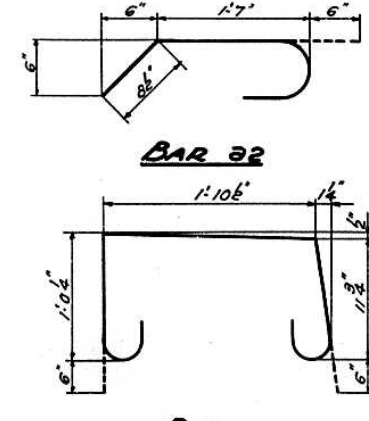
SECTION F-F



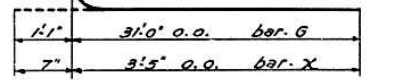
SECTION G-G



SECTION H-H



BAR 32

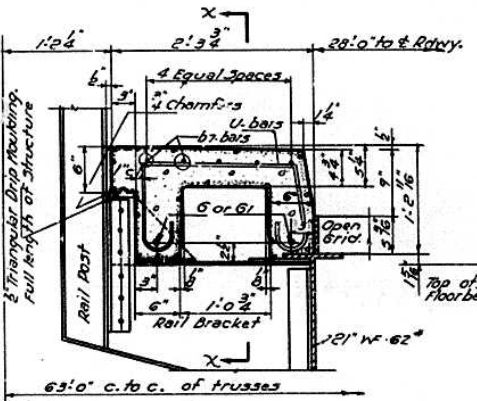


BARS G & X

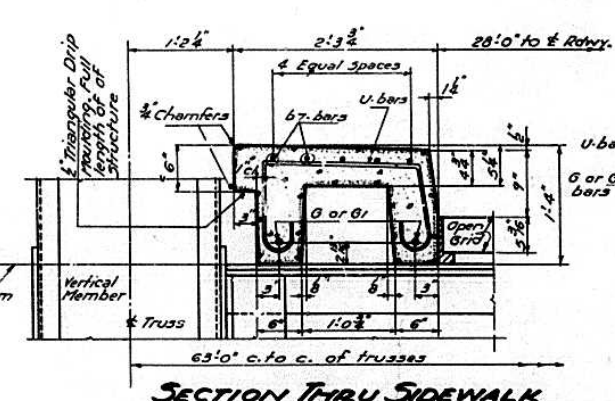
BILL OF MATERIAL
Curb, Roadway Slab and Median

Bar	No.	Size	Length	Shape
a	8000	5	25'6"	—
a1	3940	5	26'5"	—
a2	4664	4	2'9"	—
a3	36	4	1'7"	—
b	1020	5	29'6"	—
b1	680	5	30'9"	—
b2	680	5	28'9"	—
b3	4524	4	31'0"	—
b4	240	4	29'6"	—
b5	192	4	30'3"	—
b6	192	4	28'9"	—
b7	780	5	31'3"	—
b8	136	5	26'9"	—
b9	136	5	31'0"	—
G	200	8	32'1"	C
G1	112	8	31'3"	—
U	4692	4	5'3"	U
X	64	5	4'0"	C

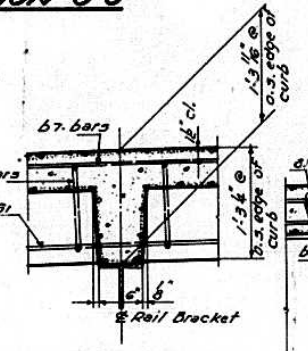
Sec. 10-D
Class-X Concrete Cu. Yds. 2914.0
Reinforcement Bars Lbs. 585200



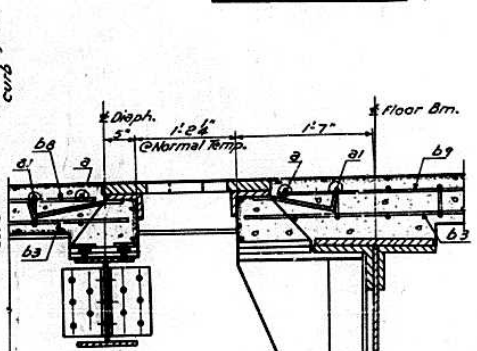
SECTION THRU SIDEWALK
Near Rail Bracket



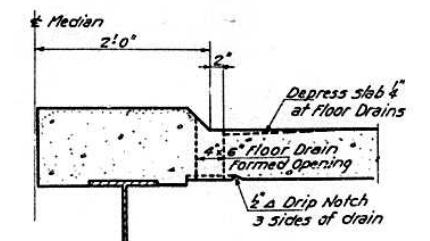
SECTION THRU SIDEWALK
Near Floor beam



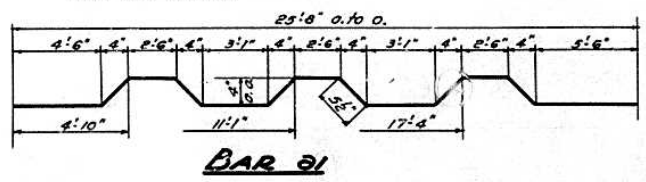
SECTION X-X



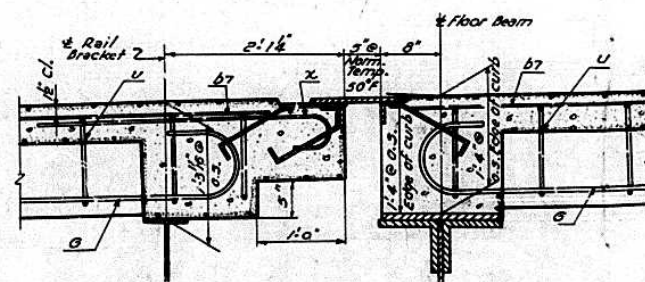
SECTION Y-Y



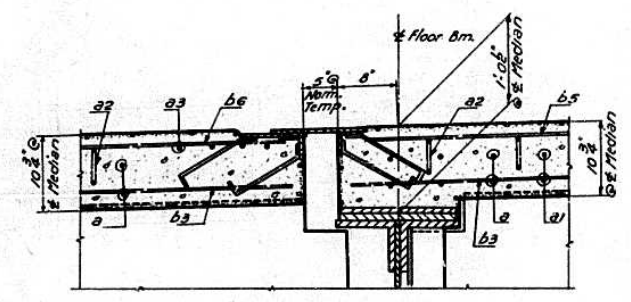
FLOOR DRAIN DETAIL



BAR 31



SECTION I-I



SECTION K-K

DESIGNED	W.E.F.
CHECKED	W.E.F.
DRAWN	W.E.F.
CHECKED	W.E.F.

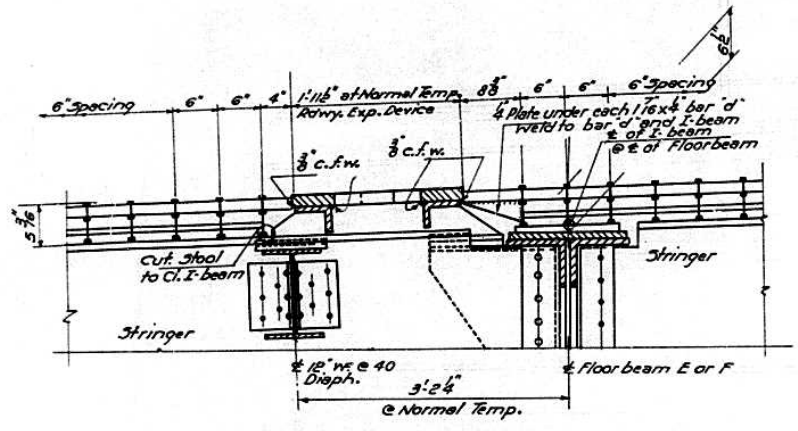
EXAMINED	July 8 1955
PASSED	W.E.F.
APPROVED	R.H. Bateman

REINFORCEMENT SPANS 4-5-6-7 & 8
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
E. A. ROUTE 9 SECTION 100
PEORIA - TAZEWELL COUNTIES

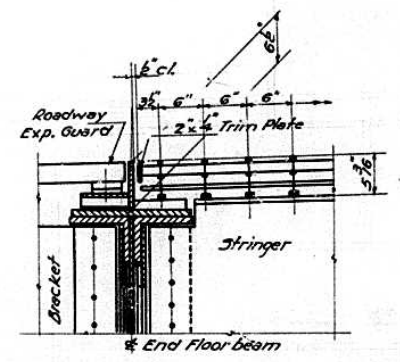
FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10E	10P	Peoria-Tazewell	54	51
R.L.F. 05			54	51
FED. ROAD DIST. NO. 1			ILLINOIS	FED. AID PROJECT

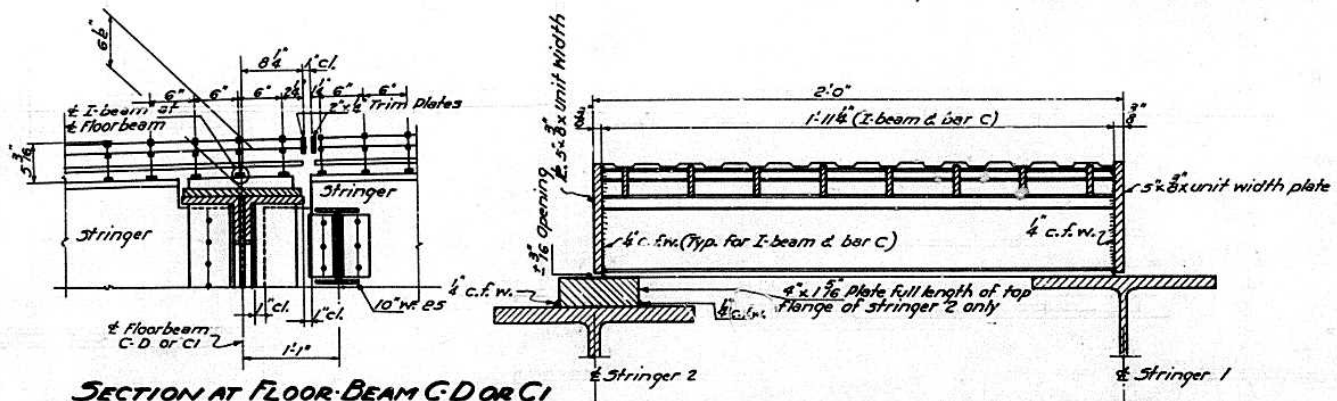
SHEET NO. 39
42 SHEETS



SECTION AT FLOOR BEAM E OR F

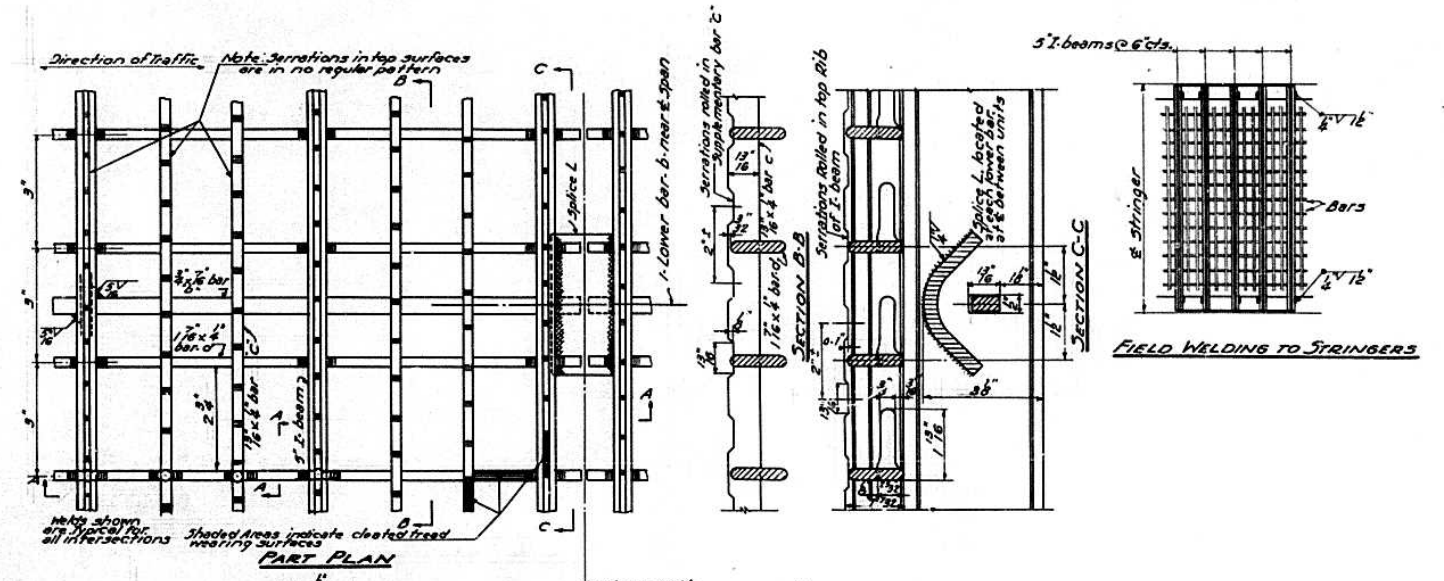


SECTION AT END FLOOR BEAM
Open Steel Floor

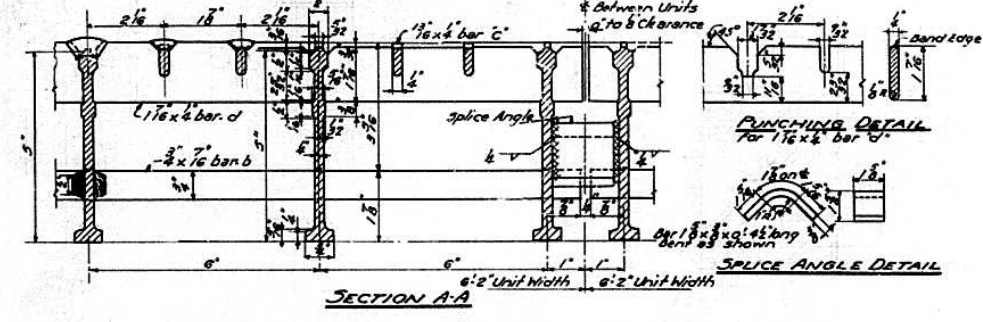


SECTION AT FLOOR BEAM G, D OR C1

TYPICAL CROSS SECTION OF I-BEAM LOCK
Open Floor

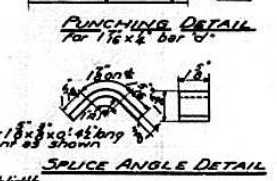


PART PLAN

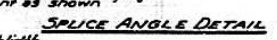


SECTION A-A

TYPICAL DETAILS - OPEN STEEL GRID FLOOR



PUNCHING DETAIL
For 1/2 inch bar C



SPLICE ANGLE DETAIL

DESIGNED	W.E. FISHER	EXAMINED	July 8 1955
CHECKED	Cal E. Thumma	PASSED	Ed Thumma
DRAWN	W.E.F. Miller	APPROVED	R.R. Patterson
CHECKED	C.E.H.		

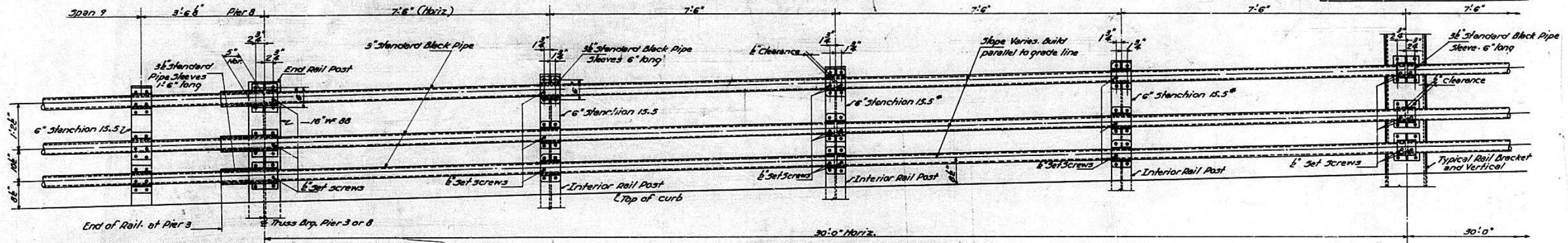
DETAIL OF OPEN GRID FLOOR
PROJECT VI-49(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F. A. ROUTE 9 SECTION 10E-P
PEORIA - TAZEWELL COUNTIES

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

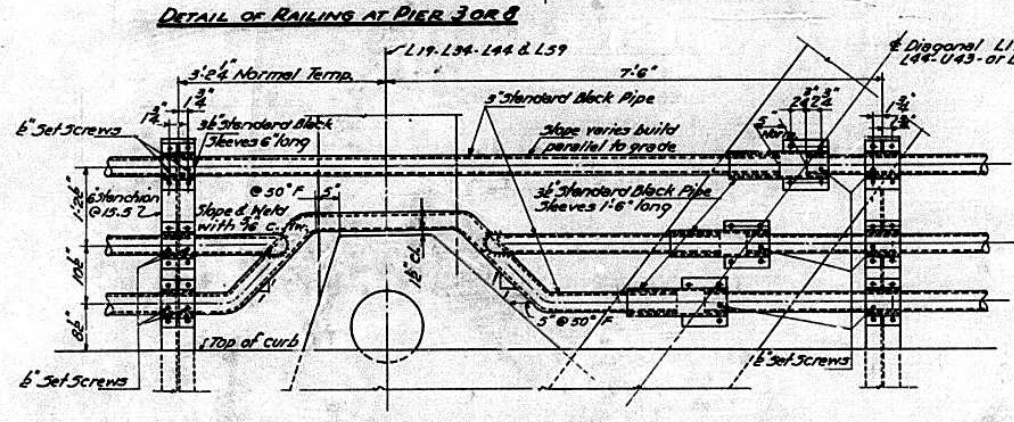
FAI-24

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10F	Peoria-Tazewell	37	36
P.A. 05	10F		34	35
	10F		54	53
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

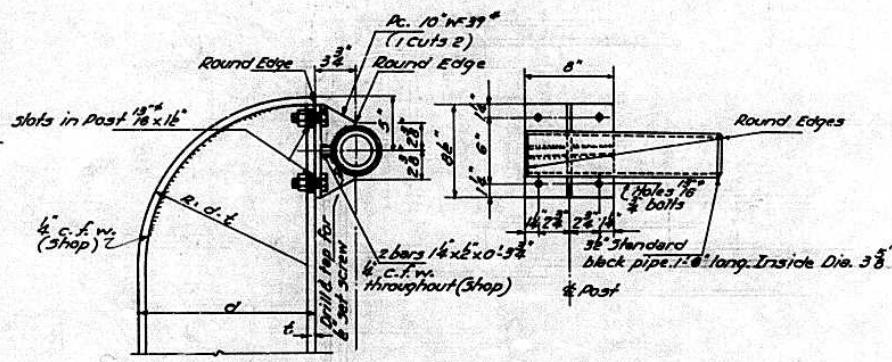
SHEET NO. 40
42 SHEETS



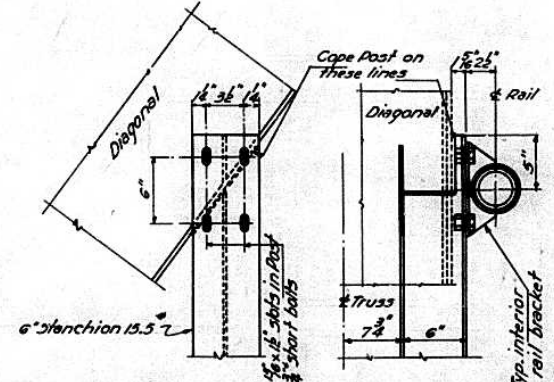
TYPICAL RAILING PANEL



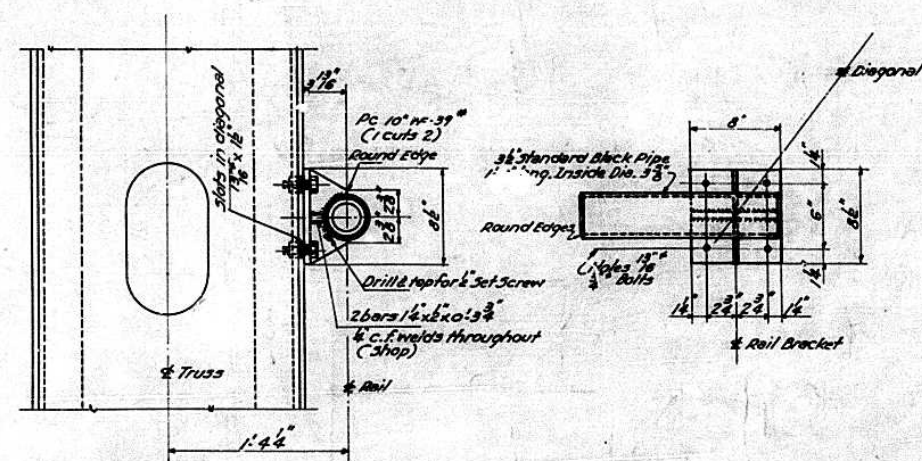
ELEVATION OF RAIL AT L19-L34-L44 & L59



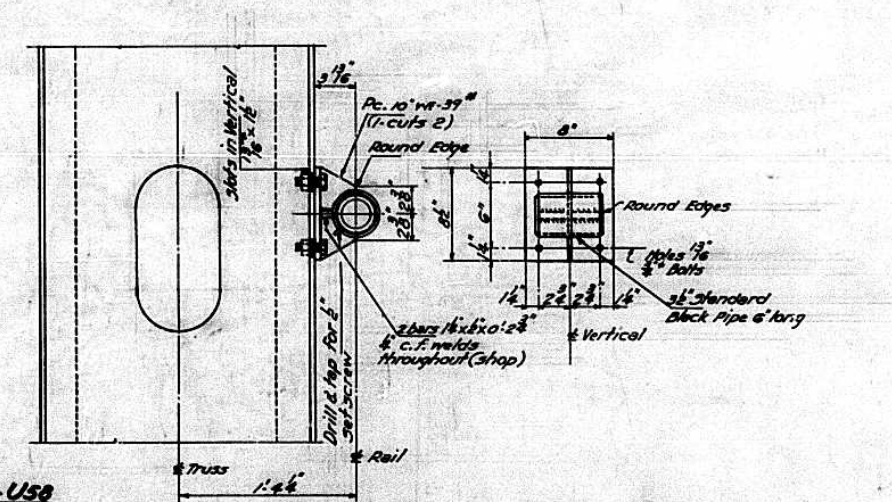
TRUSS END RAIL POST & RAIL BRACKET DETAIL



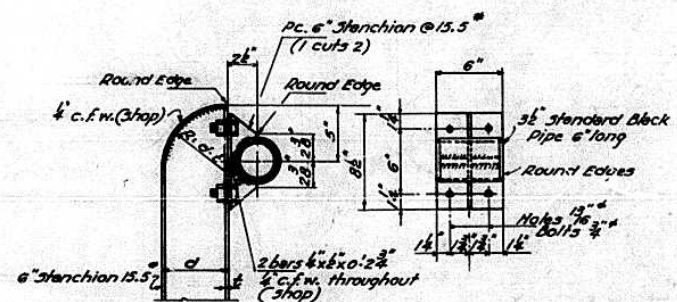
DETAIL OF RAIL POST AT DIAGONALS



DETAIL OF RAIL BRACKET AT DIAGONALS L14-U15-L34-U35-L44-U43 & L59-U58



DETAIL OF RAIL BRACKETS & TRUSS VERTICALS



INTERMEDIATE RAIL POST & RAIL BRACKET DETAILS

DESIGNED	W.E.F. 1955
CHECKED	W.E.F. 1955
DRAWN	C.E. 1955
CHECKED	W.E.F. 1955

EXAMINED	W.E.F. 1955
PASSED	W.E.F. 1955
APPROVED	R.H. 1955

Note: For connection of railing to verticals U14-U15, U29-L29 etc. provide fills and countersink rivets where necessary. Omit bolt holes and weld brackets to verticals. Vary dimensions of brackets to provide proper Rail alignment.

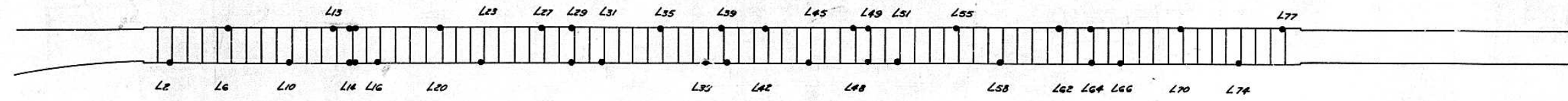
HANDRAIL DETAILS SPANS 4-5-6-7 & 8
PROJECT UI-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F. A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEWELL COUNTIES

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

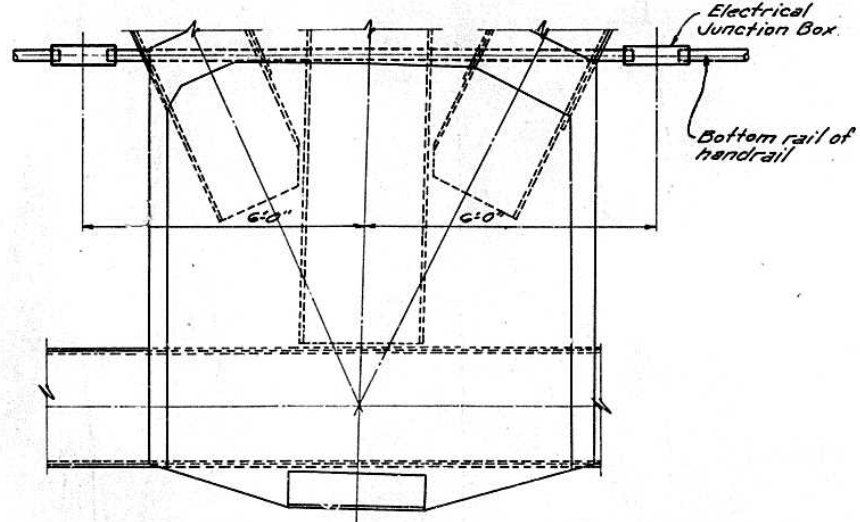
FAI-74

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9	10E	Peoria-Tazewell	37	37
I.L.I. 05	10E		54	53
	10E		54	53

SHEET NO. 41
42 SHEETS

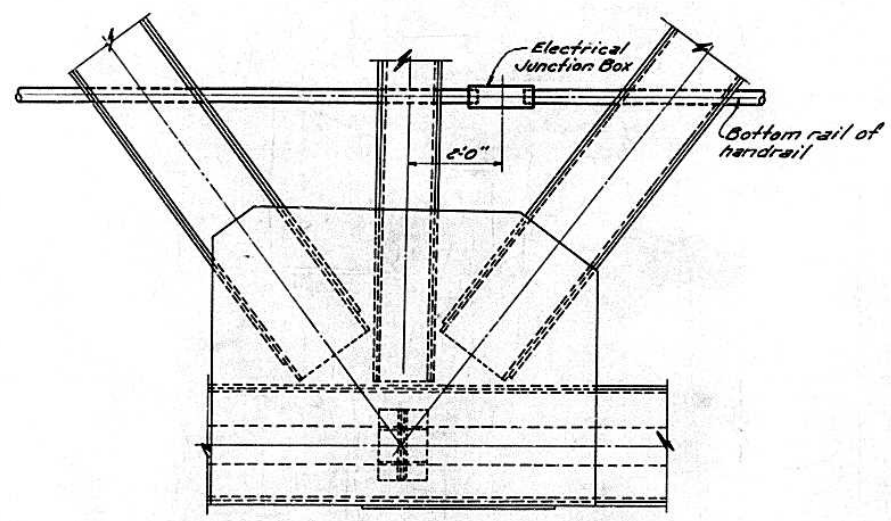


• Indicates electrical junction box located in bottom rail of handrail.



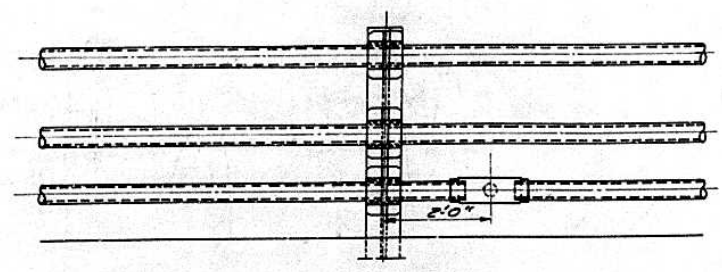
DETAIL OF INSTALLATION AT L14

Note: Installation is similar at L29, L49 and L64 except that the boxes on the South side of vertical members are omitted.



TYPICAL INSTALLATION AT ALL VERTICAL MEMBERS EXCEPT AS NOTED.

NOTE: For location of fifteen (15) Junction Boxes in bottom rail of handrail on the south approach span see sheet Nos. 36 & 37.
At L29 mount junction box on East side of bridge 11'-6" North of centerline of vertical member L29 and on West side of bridge 11'-6" South of centerline of vertical member L29. Each junction box indicated on the above layout is to be mounted approximately 2 ft. North of the centerline of the nearest vertical member indicated with the following exceptions: At L14 mount each junction box approximately 6 ft. each side of the centerline of the vertical member.
At L29, L49, & L64 each of the junction boxes shall be mounted 6'-0" North of the centerline of their respective vertical member.
These junction boxes shall be equal or similar to Appleton Unilet Type BT-threaded, 3" size, furnished with a blank malleable cover with gasket.
The opening shall be on top and the middle hole shall face away from the roadway.
Forty-nine (49) Junction Boxes Req'd.



TYPICAL JUNCTION BOX INSTALLATION ON SOUTH APPROACH. FOR EXACT LOCATIONS SEE SHEETS #36 & 37

DESIGNED	James R. Metz	EXAMINED	July 8 1955
CHECKED	James R. Metz	PASSED	
DRAWN	E. K. Rush	APPROVED	
CHECKED			

JUNCTION BOX LOCATIONS
PROJECT UT-48(1)
ILLINOIS RIVER BRIDGE AT PEORIA
FAYETTE - JACKSON STREETS
F.A. ROUTE 9 SECTION 10E-F-P
PEORIA - TAZEVELL COUNTIES

