

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 49	(15B-1) D	PEORIA AND TAZEWELL	97	i
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT BR-F-49(39)	

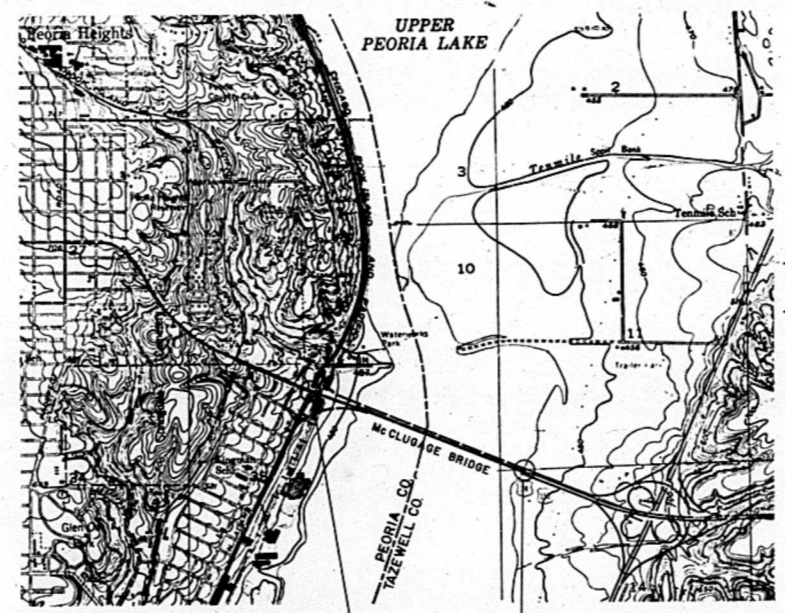
P-94-156-69

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL	PEORIA COUNTY	TAZEWELL COUNTY
406013	BIT. CONC. S. C. MIX. D, CL. 1	TONS	378.4	378.4	
407004	INCIDENTAL BITUMINOUS SURFACING	TONS	23	23	
501024	CONCRETE REMOVAL	CU.YDS.	79.7	79.7	
503001	FLOOR DRAINS	EACH	502	304	198
503003	PROTECTIVE COAT	SQ.YDS.	27,574	15,474	12,100
504003	CLASS X CONCRETE	CU.YDS.	7580.3	4640.7	2939.6
507004	FURNISHING & ERECTING STRUCTURAL STEEL	POUND	14,640	14,640	
507005	STUD SHEAR CONNECTORS	EACH	6324	6324	
X04195	STEEL RAILING	LIN.FT.	52	52	
512001	REINFORCEMENT BARS	LBS.	1012620	696640	315980
512002	REINFORCEMENT BARS (EPOXY COATED)	LBS.	1103860	626105	477755
514001	NAME PLATES	EACH	1	.5	.5
517010	BITUMINOUS CONCRETE SURFACE REMOVAL	SQ.YDS.	286.3	286.3	
X0733	CONCRETE MEDIAN REMOVAL	SQ.FT.	552	552	
X07324	REMOVE & REINSTALL BRIDGE RAIL (SINGLE RAIL)	LIN.FT.	90	90	
628033	TRAFFIC BARRIER TERMINAL TYPE 3	EACH	1	1	
633006	S.P.B.G.R. REMOVAL, SINGLE RAIL	LIN.FT.	406	406	
646004	ENGINEER'S FIELD OFFICE, TYPE A	CAL.NO.	27	14	13
648037	TRAFFIC CONTROL COMPLETE	L.SUM	1	1	
TS0102	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	LIN.FT.	12400	7100	5300
TS0105	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	LIN.FT.	480	480	
TS0202	PAINT PAVEMENT MARKING - LINE 4"	LIN.FT.	11600	6300	5300
TS0205	PAINT PAVEMENT MARKING - LINE 8"	LIN.FT.	740	740	
X07325	HIGH STRENGTH BOLT TIGHTENING	L.SUM	1	1	
X07326	REMOVAL OF EXISTING DECK DRAINS	L.SUM	1	1	
X07327	CURB PLATE REMOVAL	LIN.FT.	1023.9	1023.9	
X07328	EXISTING RAIL REMOVAL	LIN.FT.	254	254	
X07329	ALTERED RAIL REMOVAL	LIN.FT.	1023.6	1023.6	
X07330	IMPACT ATTENUATOR SYSTEM COMPLETE	L.SUM	1	1	
L04347	NAVIGATION LIGHT SYSTEM	L.SUM	1	5	.5
X07331	INSTALLATION OF NAVIGATION LIGHTING SAFETY CAGES	EACH	5	2.5	2.5
X07332	BLAST PLATE REMOVAL	L.SUM	1	1	
X04743	MOBILIZATION	L.SUM	1	.5	.5
X50313	PREFORMED JOINT SEAL (2 1/2")	LIN.FT.	4.0	4.0	
X62944	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1	
X06960	BRIDGE DRAINAGE SYSTEM (SPANS 4, 5 & 6)	L.SUM	1	1	
Z10193	DRAINAGE SCUPPERS	EACH	39	25	14
Z10240	FURNISHING & MAINTAINING AUTOMOTIVE VEHICLES	VEH.NO.	37	19	18
Z10279	NEOPRENE EXPANSION JOINT (2")	LIN.FT.	367.5	183.3	183.7
Z10290	NEOPRENE EXPANSION JOINT (2 1/2")	LIN.FT.	101.7	61.9	39.3
Z10281	NEOPRENE EXPANSION JOINT (4")	LIN.FT.	58.4	58.4	
Z10282	NEOPRENE EXPANSION JOINT (6 1/2")	LIN.FT.	246.8	165.1	81.7
Z10293	NEOPRENE EXPANSION JOINT (9")	LIN.FT.	122.5	81.7	40.8
Z10294	NEOPRENE EXPANSION JOINT (13")	LIN.FT.	95.2	54.4	40.8
Z10296	NEOPRENE EXPANSION JOINT (LONGITUDINAL)	LIN.FT.	846.8	846.8	
Z10369	REMOVAL & REPLACEMENT EXPANSION JOINT	LIN.FT.	27	27	
Z10530	WATERPROOFING MEMBRANE SYSTEM	SQ.YDS.	4035.7	4035.7	
X07333	BRIDGE RAIL (SINGLE RAIL)	LIN.FT.	1154	1154	
X07334	BRIDGE RAIL (DOUBLE RAIL)	LIN.FT.	94	94	
Z10527	TRAINERS	HOUR	4,000	2,000	2,000
X61640	TEMPORARY CONCRETE BARRIER	LIN.FT.	1,130	1,130	
X61641	TEMPORARY CONCRETE BARRIER, TERMINAL SECTION	EACH	1	1	
X61642	RELOCATE TEMPORARY CONCRETE BARRIER	LIN.FT.	2,774	2,774	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**
F.A. ROUTE 49
SECTION (15B-1) D
PROJECT BR-F-49(39)
PEORIA-TAZEWELL COUNTIES

C-94-108-80



PROPOSED PROJECT BR-F-49(39)
BEGINS STA. 199+00.77
ENDS STA. 246+46.02

NET LENGTH OF PROPOSED IMPROVEMENT
7285.21 LIN. FT. (INCLUDING RAMPS)

LAYOUT
SCALE = 1" = 2000'

THE PROPOSED IMPROVEMENT INCLUDES THE CONSTRUCTION OF THE CONCRETE DECK OF THE WEST BOUND STRUCTURE CARRYING FA. ROUTE 49 OVER THE ILLINOIS RIVER AT PEORIA. ALSO INCLUDED IS THE "OFF" RAMP CONNECTION TO ADAMS ST. THE IMPROVEMENT FURTHER PROVIDES FOR A CONCRETE DECK WITH A WATER-PROOFED BITUMINOUS CONCRETE SURFACE FOR THE "ON" RAMP FROM ADAMS ST. IN PEORIA TO THE EXISTING STRUCTURE THAT WILL CARRY THE EAST BOUND TRAFFIC OF F.A. ROUTE 49.



LOCATION OF SECTION INDICATED THUS →

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 8-20 1980
[Signature] DISTRICT ENGINEER

EXAMINED Oct 6 1980
[Signature] ENGINEER OF PLANS AND CONTRACTS

PASSED Oct 6 1980
[Signature] ENGINEER OF DESIGN

APPROVED Oct 6 1980
[Signature] DIRECTOR OF HIGHWAYS

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____
DIVISION ADMINISTRATOR

DATE _____
DATE

SUBMITTED August 27, 1980
[Signature] DIST. DESIGN ENGR.

EXAMINED _____
[Signature] DIST. CONST. ENGR.

EXAMINED August 27, 1980
[Signature] DIST. MAINT. ENGR.

EXAMINED August 27, 1980
[Signature] DIST. TRAFFIC ENGR.

Entire section inspected and approved as to policy.

DATE 8-20-80 DISTRICT ENGINEER

DESIGN DESIGNATION
3996 (94) MAJOR (PCC-20)

CONTRACT NO. 34778

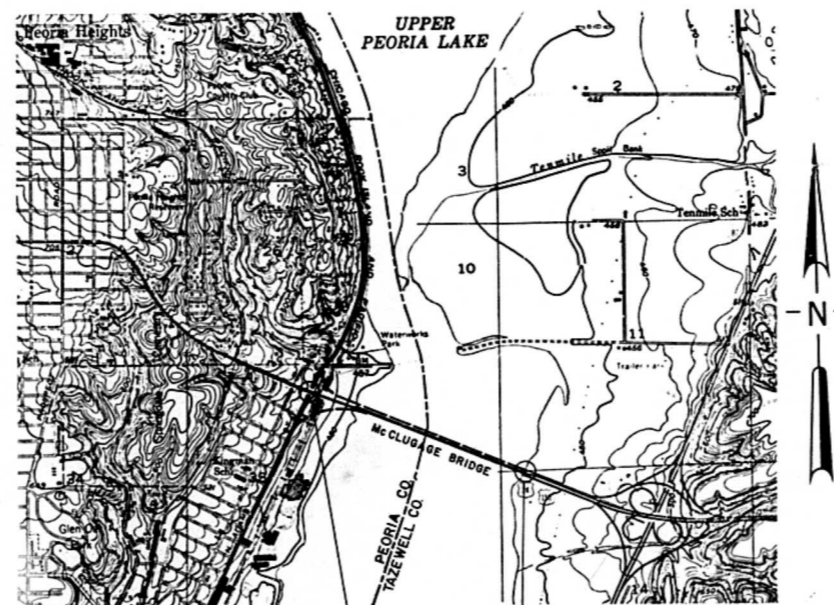


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
F.A. ROUTE 49
SECTION (15B-1) D
PROJECT BR-F-49(39)
PEORIA-TAZEWELL COUNTIES**

C-94-108-80

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL	PEORIA COUNTY	TAZEWELL COUNTY
406013	BIT. CONC. S. C. MIX. D, CL. 1	TONS	244.2	244.2	
407004	INCIDENTAL BITUMINOUS SURFACING	TONS	23	23	
501024	CONCRETE REMOVAL	CU. YDS.	79.7	79.7	
503001	FLOOR DRAINS	EACH	502	304	198
503003	PROTECTIVE COAT	SQ. YDS.	29,234	16,470	12,764
504003	CLASS X CONCRETE	CU. YDS.	7,541.9	4,617.7	2,924.2
507004	FURNISHING & ERECTING STRUCTURAL STEEL	POUND	14,640	14,640	
507005	STUD SHEAR CONNECTORS	EACH	6324	6324	
X04195	STEEL RAILING	LIN. FT.	52	52	
512001	REINFORCEMENT BARS	LBS.	933,070	648,910	284,160
512002	REINFORCEMENT BARS (EPOXY COATED)	LBS.	1,197,930	682,547	515,383
514001	NAME PLATES	EACH	1	.5	.5
617010	BITUMINOUS CONCRETE SURFACE REMOVAL	SO. YDS.	296.3	286.3	
X61733	CONCRETE MEDIAN REMOVAL	SO. FT.	552	552	
X07324	REMOVE & REINSTALL BRIDGE RAIL (SINGLE RAIL)	LIN. FT.	90	90	
628033	TRAFFIC BARRIER TERMINAL TYPE 3	EACH	1	1	
633006	S.P.B.G.R. REMOVAL, SINGLE RAIL	LIN. FT.	406	406	
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T50205	PAINT PAVEMENT MARKING - LINE 8"	LIN. FT.	740	740	
X07325	HIGH STRENGTH BOLT TIGHTENING	L. SUM	1	1	
X07326	REMOVAL OF EXISTING DECK DRAINS	L. SUM	1	1	
X07327	CURB PLATE REMOVAL	LIN. FT.	1023.9	1023.9	
X07328	EXISTING RAIL REMOVAL	LIN. FT.	254	254	
X07329	ALTERED RAIL REMOVAL	LIN. FT.	1023.6	1023.6	
X07330	IMPACT ATTENUATOR SYSTEM COMPLETE	L. SUM	1	1	
L04947	NAVIGATION LIGHT SYSTEM	L. SUM	1	.5	.5
X07331	INSTALLATION OF NAVIGATION LIGHTING SAFETY CAGES	EACH	5	2.5	2.5
X07332	BLAST PLATE REMOVAL	L. SUM	1	1	
X04743	MOBILIZATION	L. SUM	1	.5	.5
X50313	PREFORMED JOINT SEAL (2 1/2")	LIN. FT.	4.0	4.0	
X62844	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1	
X06960	BRIDGE DRAINAGE SYSTEM (SPANS 4, 5 & 6)	L. SUM	1	1	
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Z10240	FURNISHING & MAINTAINING AUTOMOTIVE VEHICLES	VEH. MO.	37	19	18
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Z10286	NEOPRENE EXPANSION JOINT (LONGITUDINAL)	LIN. FT.	846.8	846.8	
Z10369	REMOVAL & REPLACEMENT EXPANSION JOINT	LIN. FT.	27	27	
Z10530	WATERPROOFING MEMBRANE SYSTEM	SO. YDS.	2,379.8	2,379.8	
X07333	BRIDGE RAIL (SINGLE RAIL)	LIN. FT.	1154	1154	
X07334	BRIDGE RAIL (DOUBLE RAIL)	LIN. FT.	94	94	
Z10527	TRAINEES	HOURL	4,000	2,000	2,000
X61640	TEMPORARY CONCRETE BARRIER	LIN. FT.	1,130	1,130	
X61641	TEMPORARY CONCRETE BARRIER, TERMINAL SECTION	EACH	1	1	
X61642	RELOCATE TEMPORARY CONCRETE BARRIER	LIN. FT.	2,774	2,774	



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BEGINS STA. 199+00.77

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ENDS STA. 246+46.02

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DESIGN DESIGNATION
3996 (94) MAJOR (PCC-20)

CONTRACT NO. 34778

SUBMITTED August 27, 1980
DIST. DESIGN ENGR.
EXAMINED August 27, 1980
DIST. CONST. ENGR.
EXAMINED August 27, 1980
DIST. MAINT. ENGR.
EXAMINED August 27, 1980
DIST. TRAFFIC ENGR.
Entire section inspected and approved as to policy.
DATE 8-27-80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 8-27-80 1980
DISTRICT ENGINEER
EXAMINED Oct 6 1980
ENGINEER OF PLANS AND CONTRACTS
PASSED Oct 6 1980
ENGINEER OF DESIGN
APPROVED Oct 6 1980
DIRECTOR OF HIGHWAYS

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED
DIVISION ADMINISTRATOR
DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 49	15B-11-D	PEORIA & TAZEWELL	97	2
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

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M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-11)-D
PEORIA & TAZEWELL COUNTIES

DES. BY
CHK. BY
DATE
JOB NO.



FILE NO.
74001
DATE
8-22-80

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- | | | |
|--|---|---|
| <ul style="list-style-type: none"> 1 TITLE SHEET 2,2A INDEX OF SHEETS 3,3A GENERAL PLAN & ELEVATION 4 HORIZONTAL CONTROL, BENCH MARKS & R.O.W 5 SUPERSTRUCTURE DETAILS 6 GEOMETRICS SPANS 3-4-5 7 GEOMETRICS SPANS 6 & 7 8 GEOMETRICS SPANS 7 & 8 9 TOP OF SLAB ELEVATIONS SPANS 3-4-5 10 SUPERSTRUCTURE SPAN 3 11 SUPERSTRUCTURE DETAILS SPAN 3 12 SUPERSTRUCTURE SPANS 4 & 5 13 SUPERSTRUCTURE DETAILS SPANS 4 & 5 14 DRAINAGE SYSTEM SPANS 4 & 5 15 TOP OF SLAB ELEVATIONS SPANS 6-7-8 16 TOP OF SLAB ELEVATIONS SPANS 6-7-8 17 SUPERSTRUCTURE SPAN 6 18, 18-1 SUPERSTRUCTURE SPAN 7 19 SUPERSTRUCTURE SPAN 8 20 SUPERSTRUCTURE DETAILS SPANS 6-7-8 21 DRAINAGE SYSTEM SPAN 6 22 TOP OF SLAB ELEVATIONS SPANS 9-10-11 23 TOP OF SLAB ELEVATIONS SPANS 9-10-11 24 SUPERSTRUCTURE SPANS 9-10-11 25 SUPERSTRUCTURE DETAILS SPANS 9-10-11 26 TOP OF SLAB ELEVATIONS SPANS 12-13-14 27 TOP OF SLAB ELEVATIONS SPANS 12-13-14 28 TOP OF SLAB ELEVATIONS SPANS 12-13-14 29 TOP OF SLAB ELEVATIONS SPANS 12-13-14 30 SUPERSTRUCTURE TRUSS - SPANS 12-13-14 31 CURB & PARAPET TRUSS - SPANS 12-13-14 32 SUPERSTRUCTURE DETAILS | <ul style="list-style-type: none"> 33. DETAIL - NAVIGATION LIGHTS 34. DIAGRAMS-D.L. DEF-CAMBER - SLAB ELEVATIONS - SPANS 15 THRU 23 35. TOP OF SLAB ELEVATIONS SPANS 15-16-17 36. TOP OF SLAB ELEVATIONS SPANS 18-19-20 37. TOP OF SLAB ELEVATIONS SPANS 21-22-23 38. SUPERSTRUCTURE SPANS 15 THRU 17 39. SUPERSTRUCTURE SPANS 18 THRU 20 40. SUPERSTRUCTURE SPANS 21 THRU 23 41. SUPERSTRUCTURE DETAILS SPANS 15 THRU 23 42. CURB & PARAPET-SPANS 15-16-17 43. CURB & PARAPET-SPANS 18-19-20 44. CURB & PARAPET-SPANS 21-22-23 45. TOP OF SLAB ELEVATIONS RAMP F SPANS 3F, 4F, & 5F 46. RAMP F SUPERSTRUCTURE SPAN 3F 47. RAMP F SUPERSTRUCTURE SPAN 4F 48. RAMP F SUPERSTRUCTURE SPAN 5F 49. RAMP F-SUPERSTRUCTURE DETAILS 50. PARAPET DETAILS-RAMP F 51. STRUCTURAL STEEL FRAMING PLAN-RAMP F-SPAN 3F 52. RAMP F-GIRDER DETAILS 53. RAMP F-GIRDER DETAILS 54. TOP OF SLAB ELEVATIONS-RAMP E-SPANS 3E, 4E, & 5E 55. SUPERSTRUCTURE-RAMP E-SPANS 3E, 4E, & 5E 56. SUPERSTRUCTURE DETAILS-RAMP E-SPANS 3E, 4E, & 5E 57. PARAPET DETAILS-RAMP E-SPANS 3E, 4E, & 5E 58. GIRDER DETAILS-RAMP E-SPANS 3E, 4E, & 5E 59. GIRDER DETAILS-RAMP E-SPANS 3E, 4E, & 5E 60. TOP OF SLAB ELEVATIONS-RAMP E-SPANS 6E, 7E, & 8E 61. TOP OF SLAB ELEVATIONS-RAMP E-SPANS 6E, 7E, & 8E 62. SUPERSTRUCTURE-RAMP E-SPAN 6E 63. SUPERSTRUCTURE-RAMP E-SPANS 7E, & 8E 64. SUPERSTRUCTURE DETAILS-RAMP E-SPANS 6E, 7E, & 8E | <ul style="list-style-type: none"> 65. SUPERSTRUCTURE DETAILS-RAMP E-SPANS 6E, 7E, & 8E 66. CURB DETAILS-RAMP E-SPANS 6E, 7E, & 8E 67. PARAPET DETAILS-RAMP E-SPANS 6E, 7E, & 8E 68. TOP OF SLAB ELEVATIONS-RAMP E-SPANS 9E, & 10E 69. SUPERSTRUCTURE-RAMP E-SPANS 9E, & 10E 70. SUPERSTRUCTURE DETAILS-RAMP E-SPANS 9E, & 10E 71. SUPERSTRUCTURE DETAILS-RAMP E-SPANS 9E, & 10E 72. SUPERSTRUCTURE DETAILS-RAMP E-SPANS 9E, & 10E 73. CURB & PARAPET DETAILS-RAMP E-SPANS 9E, & 10E 74. STRUCTURAL STEEL PLAN-RAMP E-SPANS 9E, & 10E 75. STRUCTURAL STEEL DETAILS-RAMP E-SPANS 9E, & 10E 76. FLOOR BEAM SPLICE TYPES A & B-RAMP E-SPANS 9E & 10E 77. STRUCTURAL STEEL DETAILS-RAMP E-SPANS 9E, & 10E 78. TOP OF SLAB ELEVATIONS-EXISTING SPAN 4 79. SUPERSTRUCTURE-EXISTING SPANS 3A, 4, & 5 80. STRUCTURAL STEEL DETAILS-EXISTING SPAN 4 81. TEMPORARY CROSSOVER-SPANS 3, 4, & 5 82. IMPACT ATTENUATOR SYSTEM & TEMP. BRIDGE RAIL DETAILS SPANS 3, 4, & 5 83. DRAINAGE SCUPPER-ALL SPANS EXCEPT RAMP E 84. ALTERNATE-CAST IRON DRAINAGE SCUPPER-ALL SPANS EXCEPT RAMP E 85. DRAINAGE SCUPPER-RAMP E ONLY 86. ALTERNATE CAST IRON DRAINAGE SCUPPER-RAMP E ONLY 87. NEOPRENE EXPANSION JOINTS (2 1/2", 4", & 6 1/2") 88. NEOPRENE EXPANSION JOINTS (2", 9", & 13") 89. EXISTING RAIL ALTERATIONS 90. WEST ABUTMENT 91. WEST ABUTMENT EMBANKMENT 92. NORTH ABUTMENT EMBANKMENT 93. NAVIGATIONAL LIGHTS 94. NAVIGATIONAL LIGHTS 95. TRAFFIC CONTROL 96. TRAFFIC CONTROL 97. PAVEMENT MARKING |
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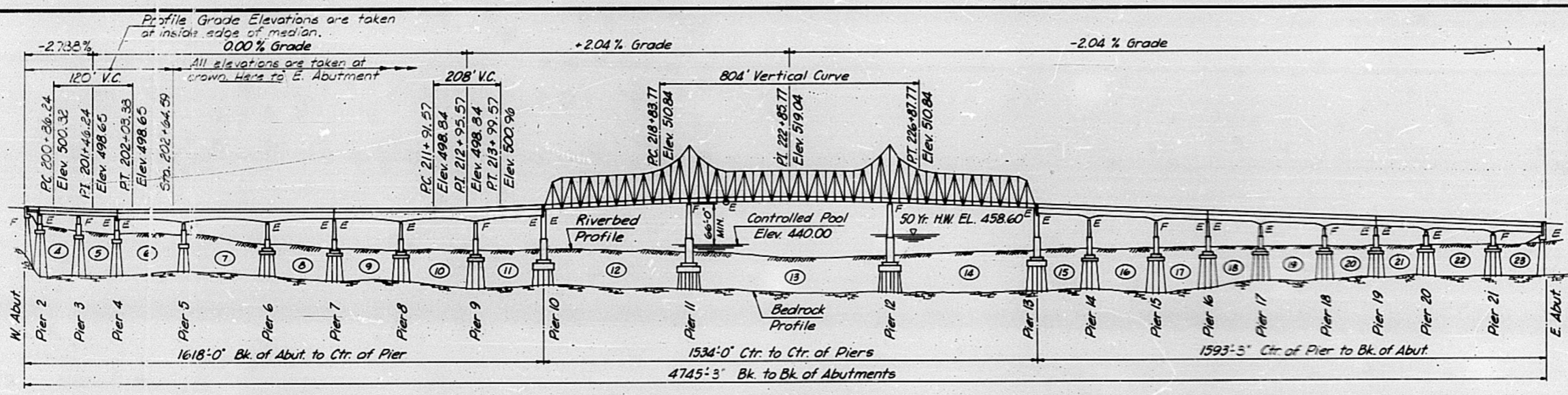
AS REVISED

STANDARDS:	2298-5	2299-8	2300-2	2302-4
	2303-5	2308-3	2315-5	2316-6
	2338	2341-1	2378	2383-1

INDEX OF SHEETS									
M^cCLUGAGE BRIDGE									
OVER THE ILLINOIS RIVER									
F.A. ROUTE 49	SEC. 15B-11-D								
PEORIA & TAZEWELL COUNTIES									
<table border="0"> <tr> <td>DESIGNED BY</td> <td>J.J.B.</td> </tr> <tr> <td>CHECKED BY</td> <td>M.L.B.</td> </tr> </table>	DESIGNED BY	J.J.B.	CHECKED BY	M.L.B.	<table border="0"> <tr> <td style="text-align: center;">HANSON ENGINEERS</td> <td style="text-align: right;">74001</td> </tr> <tr> <td style="text-align: center;">INCORPORATED</td> <td style="text-align: right;">8-22-81</td> </tr> </table>	HANSON ENGINEERS	74001	INCORPORATED	8-22-81
DESIGNED BY	J.J.B.								
CHECKED BY	M.L.B.								
HANSON ENGINEERS	74001								
INCORPORATED	8-22-81								

GENERAL NOTES

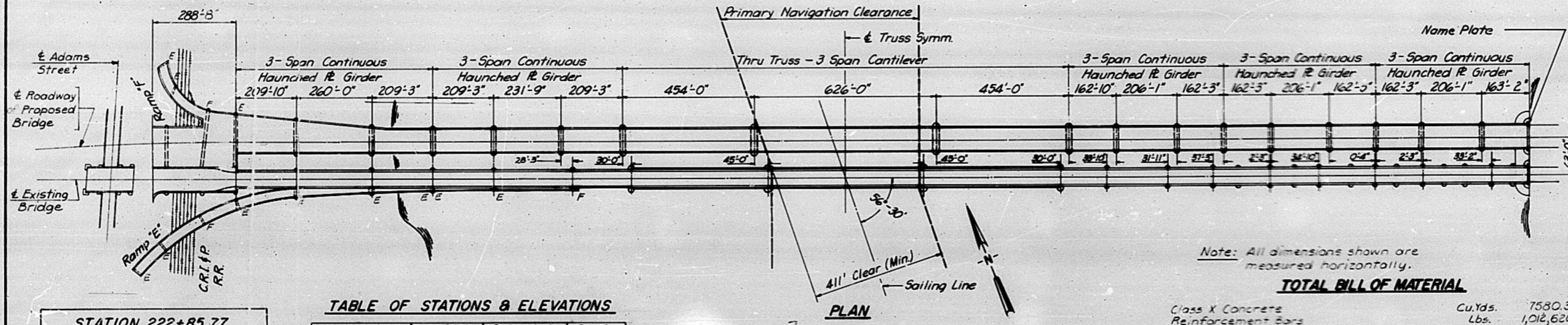
- Fasteners shall be high strength bolts. Bolts 1/2", open holes 1/4" unless otherwise noted.
- Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.
- Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is to be applied.
- All reinforcement bars in the slab and curbs shall be AASHTO M31 or M53 Gr. 60.
- A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for Parapets and Curbs.
- The basic lead silico chromate paint system shall be used for shop and spot painting of Structural Steel & Steel Railings.
- All field drilled holes shall be incidental to this Contract except as noted.
- Calculated weight of Str. Steel = 14,640 Lbs. (M183)



Note:
Station Equation
Sta. 201+67.45 Back =
Sta. 201+64.59 Forward

ELEVATION

10. The Parapet and Curb Concrete above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.



Note: All dimensions shown are measured horizontally.

TOTAL BILL OF MATERIAL

Class X Concrete	Cu.Yds.	7580.3
Reinforcement Bars	Lbs.	1,012,620
Reinforcement Bars (Epoxy Coated)	Lbs.	1,103,860
Structural Steel	Lbs.	14,640
Waterproofing Membrane System	Sq.Yds.	4035.7
Bit. Conc. S.C. Mix D.C.I.	Tons	375.4
Protective Coat	Sq.Yds.	27,573.7
High Strength Bolt Tightening	Lump Sum	1
Removal of Existing Deck Drains	Lump Sum	1
Steel Railing	Lin. Ft.	52
Neoprene Expansion Joint (Longitudinal)	Lin. Ft.	1,312.4
Preformed Joint Seal (2 1/2")	Lin. Ft.	4.0
Neoprene Expansion Joint (2')	Lin. Ft.	367.5
Neoprene Expansion Joint (2 1/2')	Lin. Ft.	101.7
Neoprene Expansion Joint (4')	Lin. Ft.	58.4
Neoprene Expansion Joint (6 1/2')	Lin. Ft.	246.8
Neoprene Expansion Joint (9')	Lin. Ft.	122.5
Neoprene Expansion Joint (13')	Lin. Ft.	95.2
Concrete Removal	Cu.Yds.	79.7
Bituminous Concrete Surface Removal	Sq.Yds.	286.3
Curb Plate Removal	Lin. Ft.	1023.9
Existing Rail Removal	Lin. Ft.	254
Rem. & Replacement Expansion Joint	Lin. Ft.	27.0
Bridge Drainage System (Spans 4,5,6)	Lump Sum	1
Drainage Scuppers	Each	39
Floor Drains	Each	502
Altered Rail Removal	Lin. Ft.	1023.6
Impact Attenuator System Complete	Lump Sum	1
Name Plate	Each	1
Stud Shear Connectors	Each	6324
S.P.B.G.R. Removal Single Rail	Lin. Ft.	406
Bridge Rail (Single)	Lin. Ft.	1154
Bridge Rail (Double)	Lin. Ft.	94
Navigation Lighting System	Lump Sum	1
Inst. of Navigation Safety Cage	Each	5
Blast Plate Removal	Lump Sum	1
Removal & Installation of Bridge Rail (Single Rail)	Lin. Ft.	90
Traffic Barrier Terminal, Type 3	Each	1
Traffic Barrier Terminal, Type 6	Each	1



DESIGN STRESSES

STRUCTURAL STEEL	M183	M225	M222
THICKNESS OF PLATES	ALL	UP TO 2"	UP TO 4"
f_s	20,000 P.S.I.	27,000 P.S.I.	27,000 P.S.I.

REINFORCEMENT BARS MBI01M53 Fy = 60,000 P.S.I.
CONCRETE $f'_c = 3500$ P.S.I.
LOADING H5 20-44 & Future Wearing Surface of 25 lbs./sq. ft.
A.A.S.H.T.O. SPECIFICATIONS 1973 & INTERIM 1974.

GENERAL PLAN & ELEVATION

M'CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES



DESIGNED J.E.N.	FILE NO.	740671
CHECKED R.A.H.	DATE	3-22-80
DRAWN R.A.H.		
APPROVED C.A.W.		

STATION 222+85.77
BUILT 198 BY
STATE OF ILLINOIS
F.A. RT. 49 SEC. 15B-1
F.A. PROJ. BR-F-49(39)
LOADING HS20
STR. NO. 090-0115

LETTERING FOR NAME PLATE
(See Standard 2113)

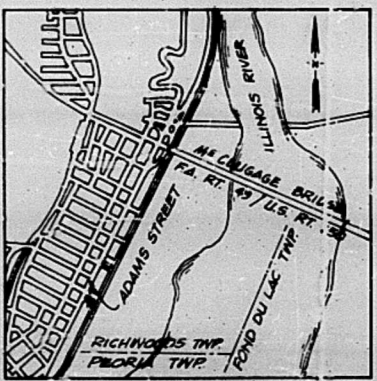
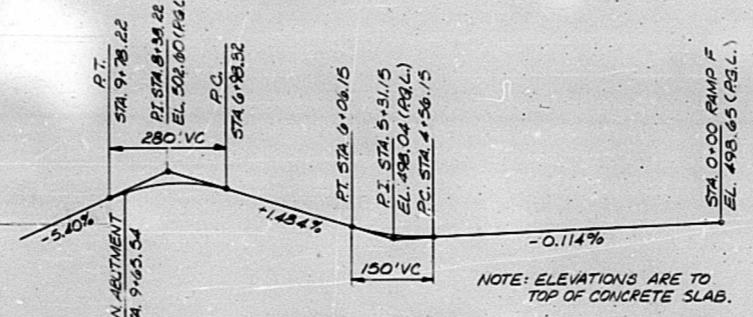


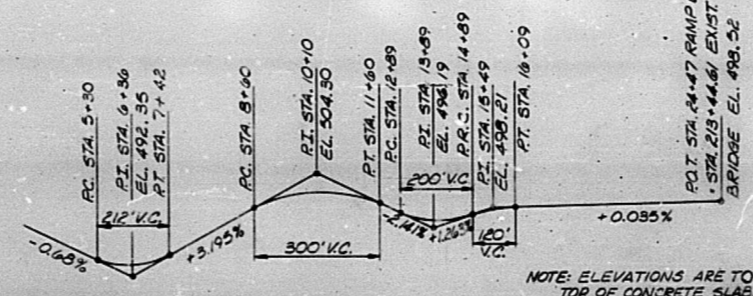
TABLE OF STATIONS & ELEVATIONS

SUBSTRUCTURE	STATION	ROWY EL.	R.G. EL.
BK. W. ABUTMENT	199+03.24		505.45
PIER 2	199+54.80		504.00
3	200+75.17		500.66
4	201+89.44		498.67
5	203+99.27	498.84	
6	206+59.27	498.84	
7	208+68.52	498.84	
8	210+77.77	498.84	
9	213+09.52	499.52	
10	215+18.77	503.89	
11	219+78.77	512.45	
12	225+98.77	512.45	
13	230+52.77	503.39	
14	232+15.60	500.07	
15	234+21.69	495.87	
16	235+83.94	492.56	
17	237+46.19	489.25	
18	239+52.27	485.04	
19	241+14.52	481.73	
20	242+76.77	478.42	
21	244+32.85	474.22	
BK. E. ABUTMENT	245+46.02	470.89	
BK. N. ABUTMENT	9+65.54		495.71
PIER 2E	8+55.80		499.81
BK. S. ABUTMENT	8+58.50		499.69
PIER 2E	9+93		502.31
3E	11+60		501.22
4E	12+92.88		498.37
5E	14+96.68		492.67
6E	17+56.74		498.41
7E	19+06.04		498.48
8E	21+75.33		498.55
9E	24+35.39		498.64

THESE ELEVATIONS ARE TO TOP OF CONCRETE SLAB



RAMP F PROFILE



RAMP E PROFILE

GENERAL NOTES

- Fasteners shall be high strength bolts. Bolts 1" ϕ , open holes 1 1/8" ϕ unless otherwise noted.
- Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.
- Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is to be applied.
- All reinforcement bars in the slab and curbs shall be AASHTO M31 or M53 Gr. 60.
- A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for Parapets and Curbs.
- The basic lead silica chromate paint system shall be used for shop and spot painting of Structural Steel & Steel Railings.
- All field drilled holes shall be incidental to this Contract except as noted.
- Calculated weight of Str. Steel = 14,640 Lbs. (M183)

APPROVED FOR STRUCTURAL ADEQUACY ONLY

[Signature]
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS



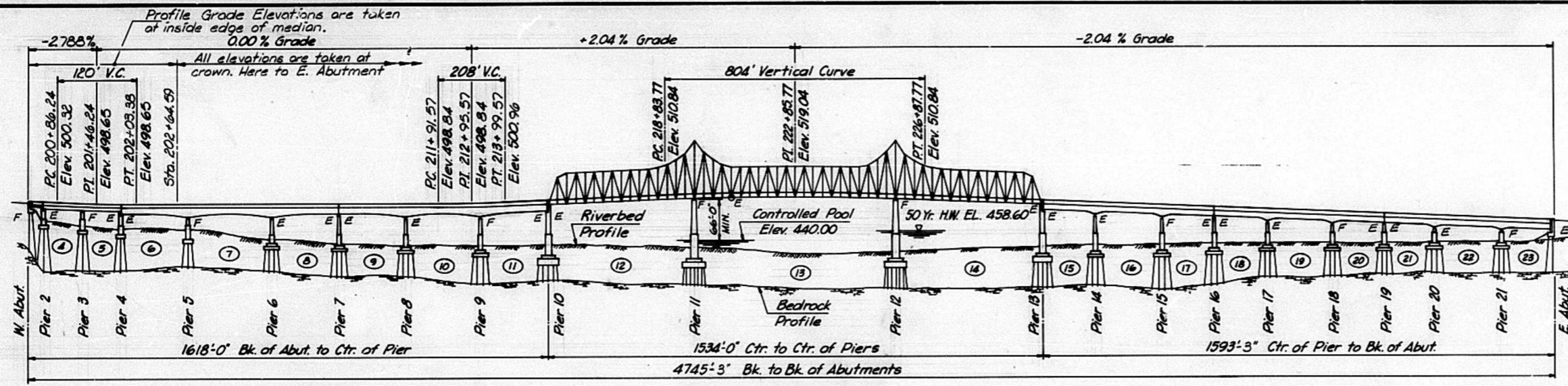
DESIGN STRESSES

STRUCTURAL STEEL THICKNESS OF PLATES	M183 ALL 20,000 PS.I.	M225 UP TO 2" 27,000 PS.I.	M222 UP TO 4" 27,000 PS.I.
REINFORCEMENT BARS	M31 OR M53	F _y = 60,000 PS.I.	
CONCRETE	f _c = 3500 PS.I.		
LOADING	H5 20-44 & Future Wearing Surface of 25 lbs./sq. ft. A.A.S.H.T.O. SPECIFICATIONS 1973 & INTERIM 1974.		

GENERAL PLAN & ELEVATION

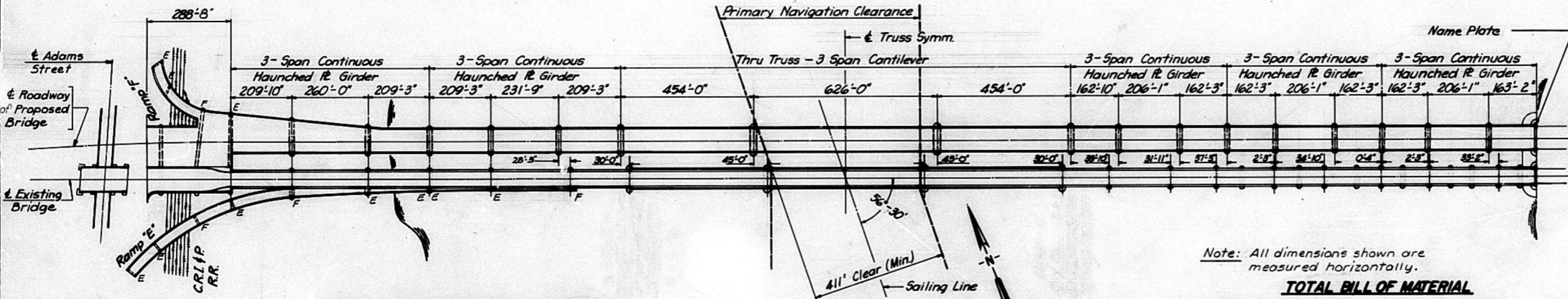
M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. 15B-1-D
PEORIA & TAZEWELL COUNTIES

DESIGNED C.R.N.	CHECKED R.A.H.	DATE	FILE NO.
		8-22-80	74001
HANSON ENGINEERS INCORPORATED		SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS	



Note:
Station Equation
Sta. 201+67.45 Back =
Sta. 201+64.59 Forward

ELEVATION



Note: All dimensions shown are measured horizontally.

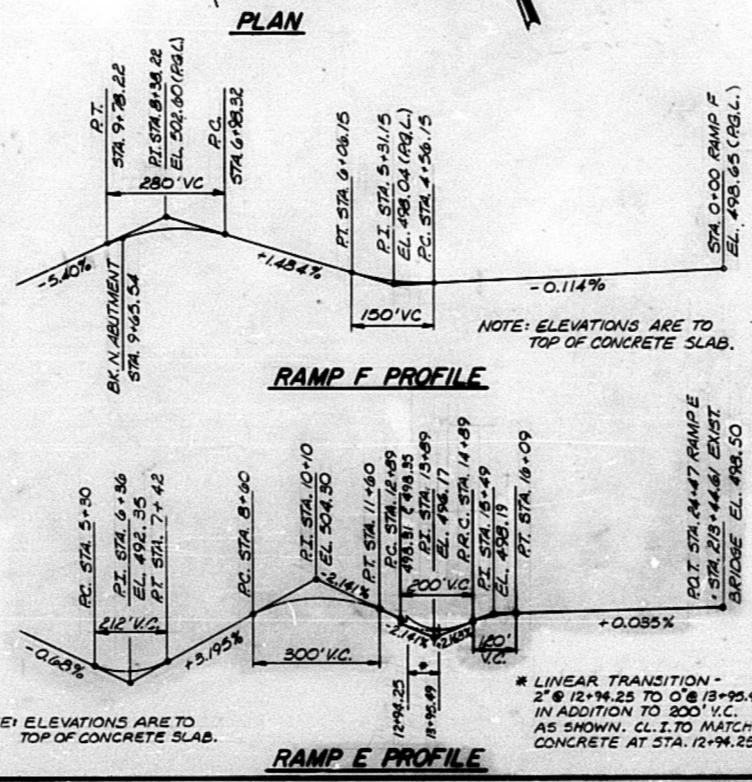
TOTAL BILL OF MATERIAL

Class X Concrete	Cu.Yds.	7,541.9
Reinforcement Bars	Lbs.	938,070
Reinforcement Bars (Epoxy Coated)	Lbs.	1,197,930
Structural Steel	Lbs.	14,640
Waterproofing Membrane System	Sq.Yds.	2,379.8
Bit. Conc. S.C. Mix. D. C.I.	Tons	244.2
Protective Coat	Sq.Yds.	29,234
High Strength Bolt Tightening	Lump Sum	1
Removal of Existing Deck Drains	Lump Sum	1
Steel Railing	Lin. Ft.	52
Neoprene Expansion Joint (Longitudinal)	Lin. Ft.	1,312.4
Preformed Joint Seal (2 1/2")	Lin. Ft.	4.0
Neoprene Expansion Joint (2")	Lin. Ft.	367.5
Neoprene Expansion Joint (2 1/2")	Lin. Ft.	101.7
Neoprene Expansion Joint (4")	Lin. Ft.	58.4
Neoprene Expansion Joint (6")	Lin. Ft.	246.8
Neoprene Expansion Joint (9")	Lin. Ft.	122.5
Neoprene Expansion Joint (13")	Lin. Ft.	95.2
Concrete Removal	Cu.Yds.	79.7
Bituminous Concrete Surface Removal	Sq.Yds.	286.3
Curb Plate Removal	Lin. Ft.	1023.9
Existing Rail Removal	Lin. Ft.	254
Rem. & Replacement Expansion Joint	Lin. Ft.	27.0
Bridge Drainage System (Spans 4,5,6)	Lump Sum	1
Drainage Scuppers	Each	39
Floor Drains	Each	502
Altered Rail Removal	Lin. Ft.	1023.6
Impact Attenuator System Complete	Lump Sum	1
Name Plate	Each	1
Stud Shear Connectors	Each	6324
S.P.B.G.R. Removal, Single Rail	Lin. Ft.	406
Bridge Rail (Single)	Lin. Ft.	1154
Bridge Rail (Double)	Lin. Ft.	94
Navigation Lighting System	Lump Sum	1
Inst. of Navigation Safety Cage	Each	5
Blast Plate Removal	Lump Sum	1
Removal & Installation of Bridge Rail (Single Rail)	Lin. Ft.	90
Traffic Barrier Terminal, Type 3	Each	1
Traffic Barrier Terminal, Type 6	Each	1

TABLE OF STATIONS & ELEVATIONS

SUBSTRUCTURE	STATION	R.D.W.Y. EL.	R.G. EL.
BK. W. ABUTMENT	199+03.24		505.45
PIER 2	199+54.80		504.00
3	200+75.17		500.66
4	201+89.44		498.67
5	203+99.27	498.84	
6	206+59.27	498.84	
7	208+68.52	498.84	
8	210+77.77	498.84	
9	213+09.52	499.52	
10	215+18.77	503.89	
11	219+72.77	512.45	
12	225+98.77	512.45	
13	230+52.77	503.39	
14	232+75.60	500.07	
15	234+21.69	492.87	
16	235+83.94	492.56	
17	237+46.19	489.25	
18	239+52.27	485.04	
19	241+14.52	481.73	
20	242+76.77	478.42	
21	244+82.85	474.22	
BK. E. ABUTMENT	246+46.02	470.89	
BK. N. ABUTMENT	9+65.54		495.71
PIER 2E	8+53.80		499.81
BK. S. ABUTMENT	8+58.50		499.59
PIER 2E	9+93		502.31
3E	11+60		501.22
4E	12+92.88		498.37
5E	14+92.88		498.37
6E	14+96.68		498.50
7E	17+56.74		498.24
8E	19+66.04		498.31
9E	21+75.33		498.38
10E	24+55.39		498.47

THESE ELEVATIONS ARE TO TOP OF CONCRETE SLAB



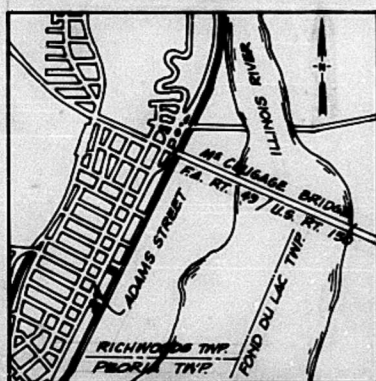
RAMP F PROFILE

RAMP E PROFILE

NOTE: ELEVATIONS ARE TO TOP OF CONCRETE SLAB.

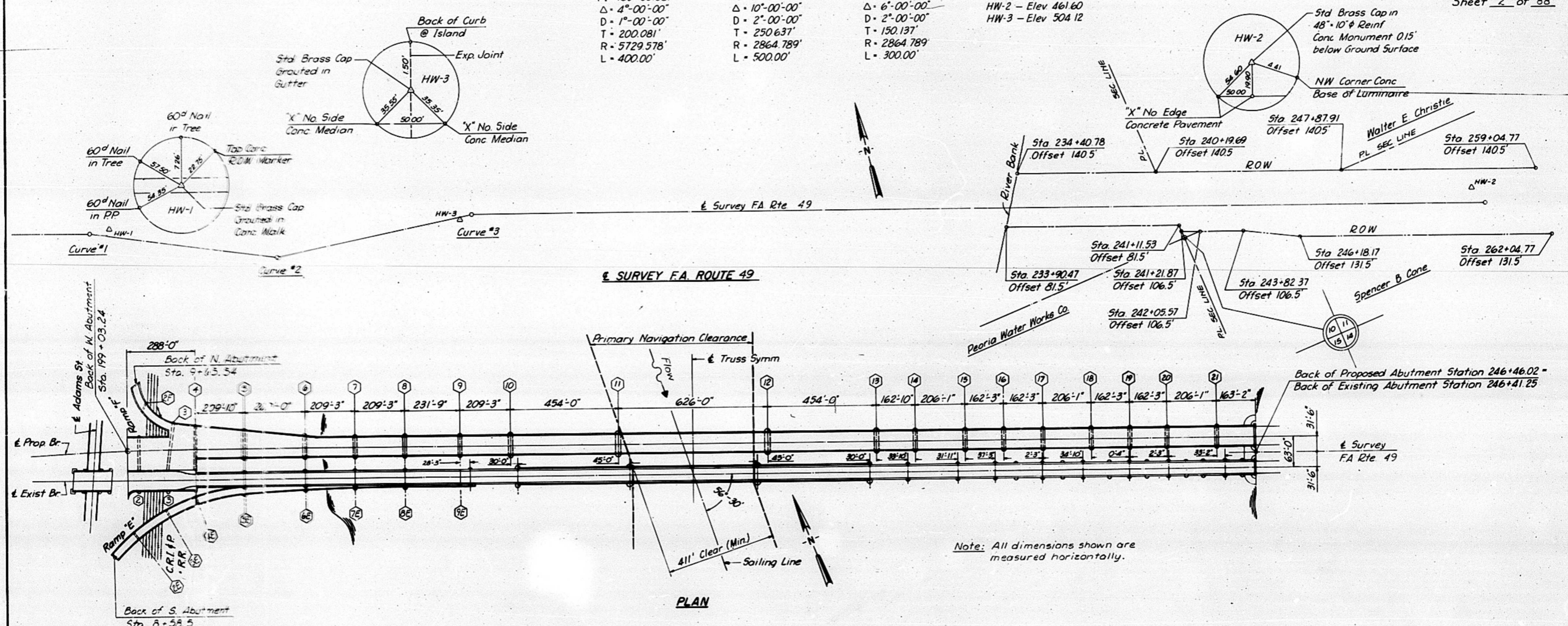
STATION 222+85.77
BUILT 198 BY
STATE OF ILLINOIS
F.A. RT. 49 SEC. 15B-1
F.A. PROJ. BR-F-49(39)
LOADING HS20
STR. NO. 090-0115

LETTERING FOR NAME PLATE
(See Standard 2113)



LOCATION MAP

Curve #1	Curve #2	Curve #3	Bench Mark Data
PI - 183+00.081	PI - 191+00.637	PI - 199+35.06	HW-1 - Elev 562.11
Δ - 4°-00'-00"	Δ - 10°-00'-00"	Δ - 6°-00'-00"	HW-2 - Elev 461.60
D - 1°-00'-00"	D - 2°-00'-00"	D - 2°-00'-00"	HW-3 - Elev 504.12
T - 200.081'	T - 250.637'	T - 150.137'	
R - 5729.578'	R - 2864.789'	R - 2864.789'	
L - 400.00'	L - 500.00'	L - 300.00'	



RAMP F CURVE DATA		RAMP E CURVE DATA	
PI - 8+74.623	PI - 9+3.15	PI - 13+6.99	
Δ - 91°-59'-00"	Δ - 53°-30'-58.01"	Δ - 29°-08'-50.90"	
D - 27°-56'-56.98"	D - 12°-00'-00"	D - 7°-30'-00"	
T - 212.223'	T - 240.746'	T - 198.619'	
R - 205.0'	R - 477.465'	R - 763.944'	
L - 329.110'	L - 445.968'	L - 388.633'	

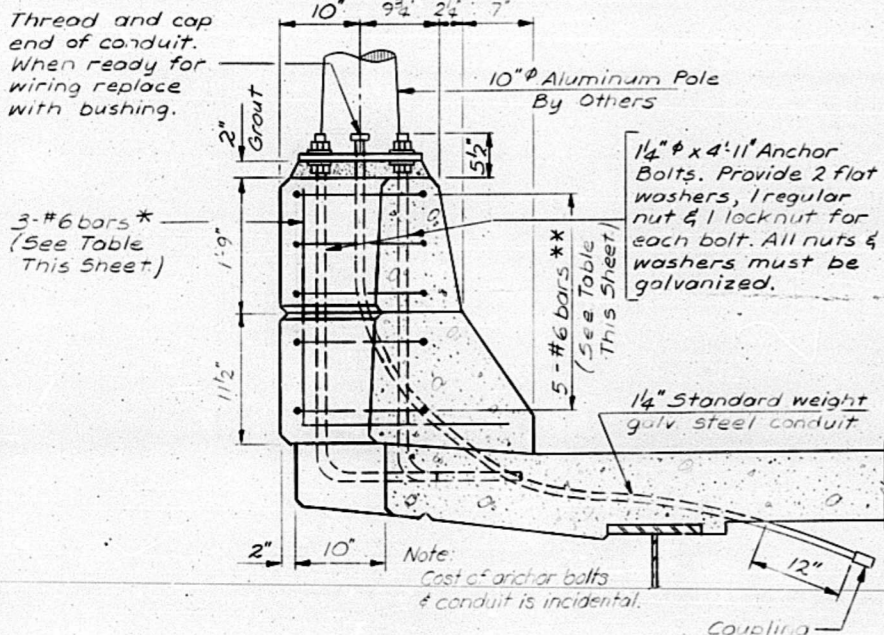
HORIZONTAL CONTROL, BENCH MARKS & ROW.

M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (158-11)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED BY	CEN	FILE NO.	74001
CHECKED BY	DLB	DATE	8-22-80
DRAWN BY	RAH		
CHECKED BY	CRN		

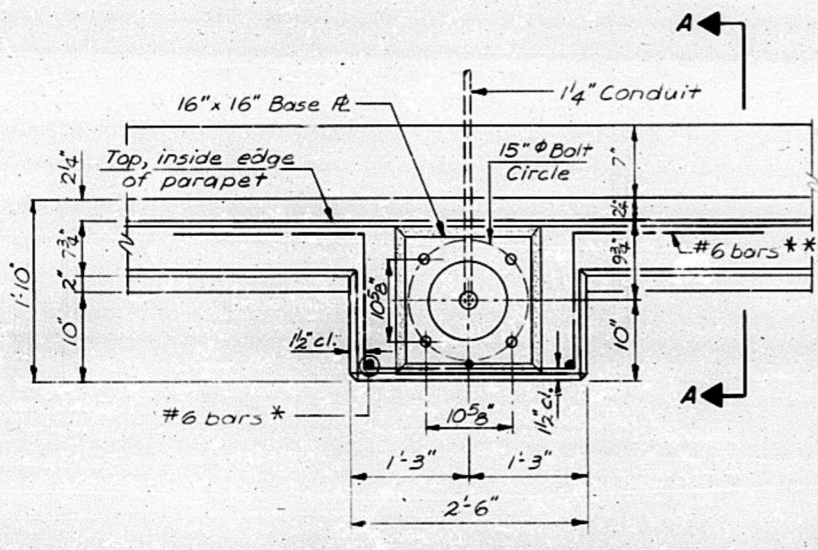
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS



SECTION A-A

Note: Grout Mixture shall consist of 1 part sand, 1 part cement & 1 part chips (pea gravel). The grout shall contain water for a 1" slump. By others.



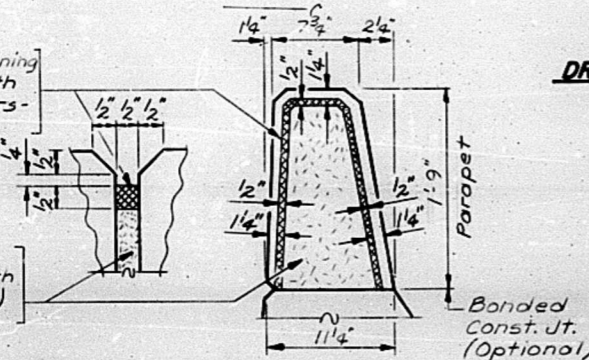
PLAN

LIGHT PEDESTAL DETAILS

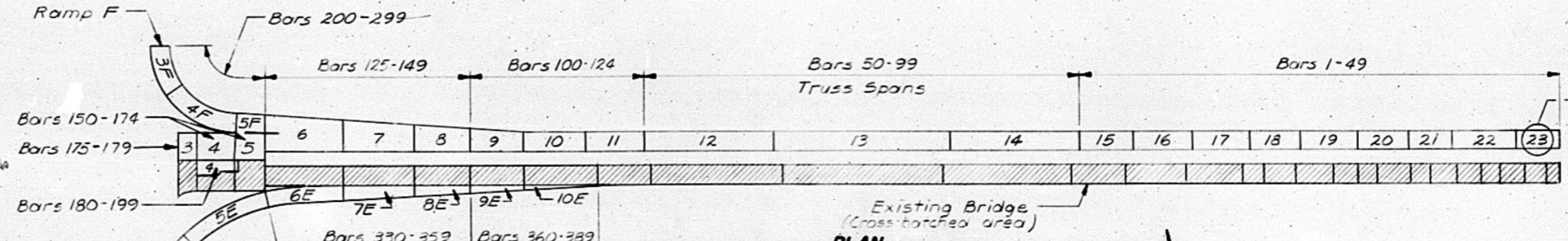
See Individual Bill of Materials for d bar designations, quantities & bar details.

Two component non-staining gray sealing compound with polysulfide liquid polymer-gun grade with primer.

1/2" Preformed Cork Joint Filler (in accordance with Articles 715.07 or 715.08) Cost incidental.



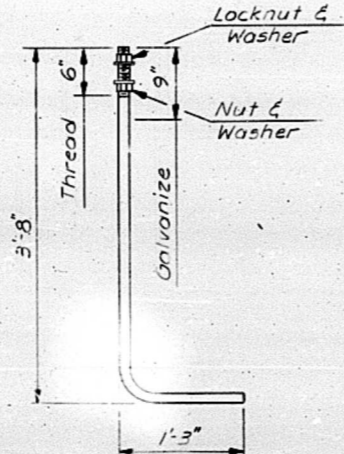
PARAPET JOINT DETAIL



REINFORCEMENT BAR NUMBERING SYSTEM

LIGHT PEDESTAL REINFORCEMENT BAR DESIGNATIONS

Spans	*	* X
3	d177	d178
6, 7, 8	d127	d128
9, 10, 11	d102	d103
15-23	d2	d3
3E, 4E, 5E	d302	d303
6E, 7E, 8E	d332	d333
9E, 10E	d362	d363
3F, 4F, 5F	d202	d203

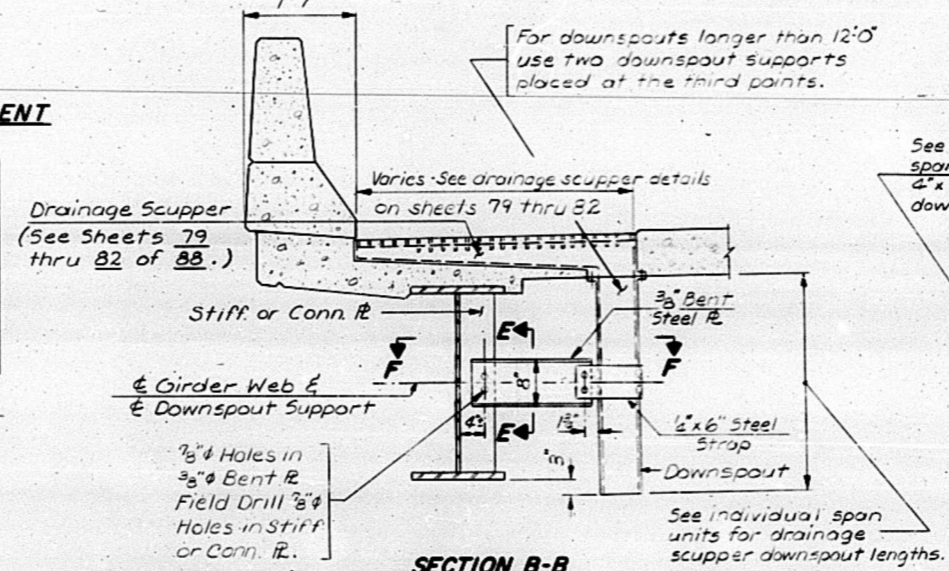


1/4" ANCHOR BOLT

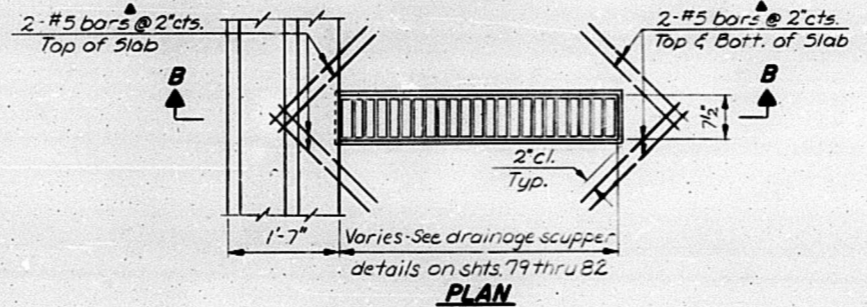
DRAINAGE SCUPPER REINFORCEMENT BAR DESIGNATIONS

Spans	*
4, 5	O133 (E)
6, 7, 8	O140 (E)
9, 10, 11	O104 (E)
12, 13, 14	O56 (E)
15 thru 23	O4 (E)
6E, 7E, 8E	O348
9E, 10E	O375
3F, 4F, 5F	O211 (E)

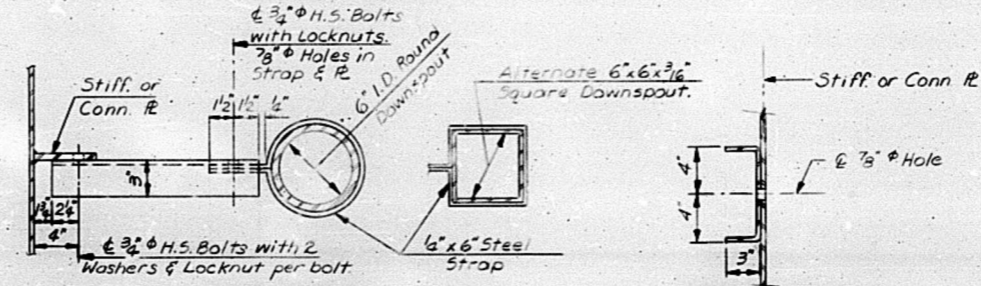
See individual Bills of Material for "a" bar designations, quantities & bar details.



SECTION B-B



PLAN

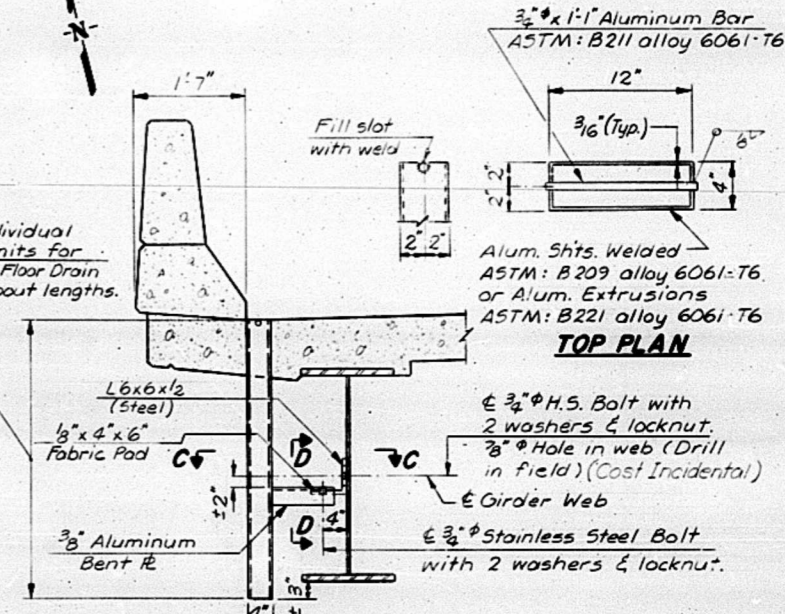


SECTION F-F

SECTION E-E

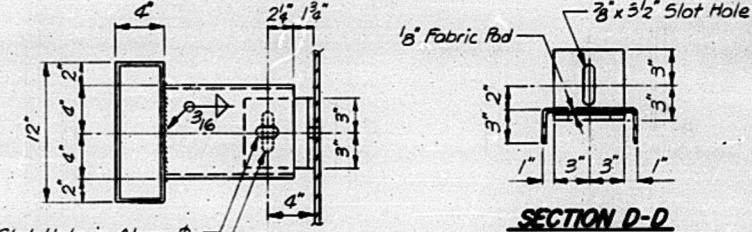
DRAINAGE SCUPPER DETAILS

Note: 3/8" Bent Plate & 1/2 x 3" Steel Strap to be furnished & installed by "Deck" contractor. Cost shall be included in unit price each for scuppers.



TOP PLAN

SECTION THRU PARAPET



SECTION D-D

SECTION C-C

4x12" FLOOR DRAIN DETAILS

Note: No. 4 x 12" Floor drains required: 502

SUPERSTRUCTURE DETAILS

M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (158-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED CRN		FILE NO.
CHECKED NDJ		74001
DRAWN DAN		DATE
CHECKED CRN		8-22-80

CURVE INFORMATION

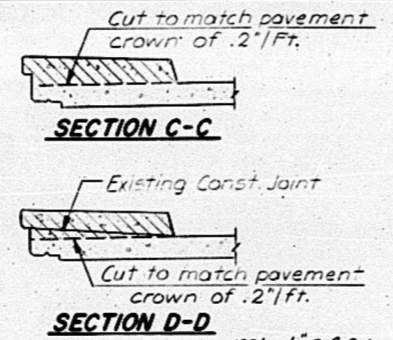
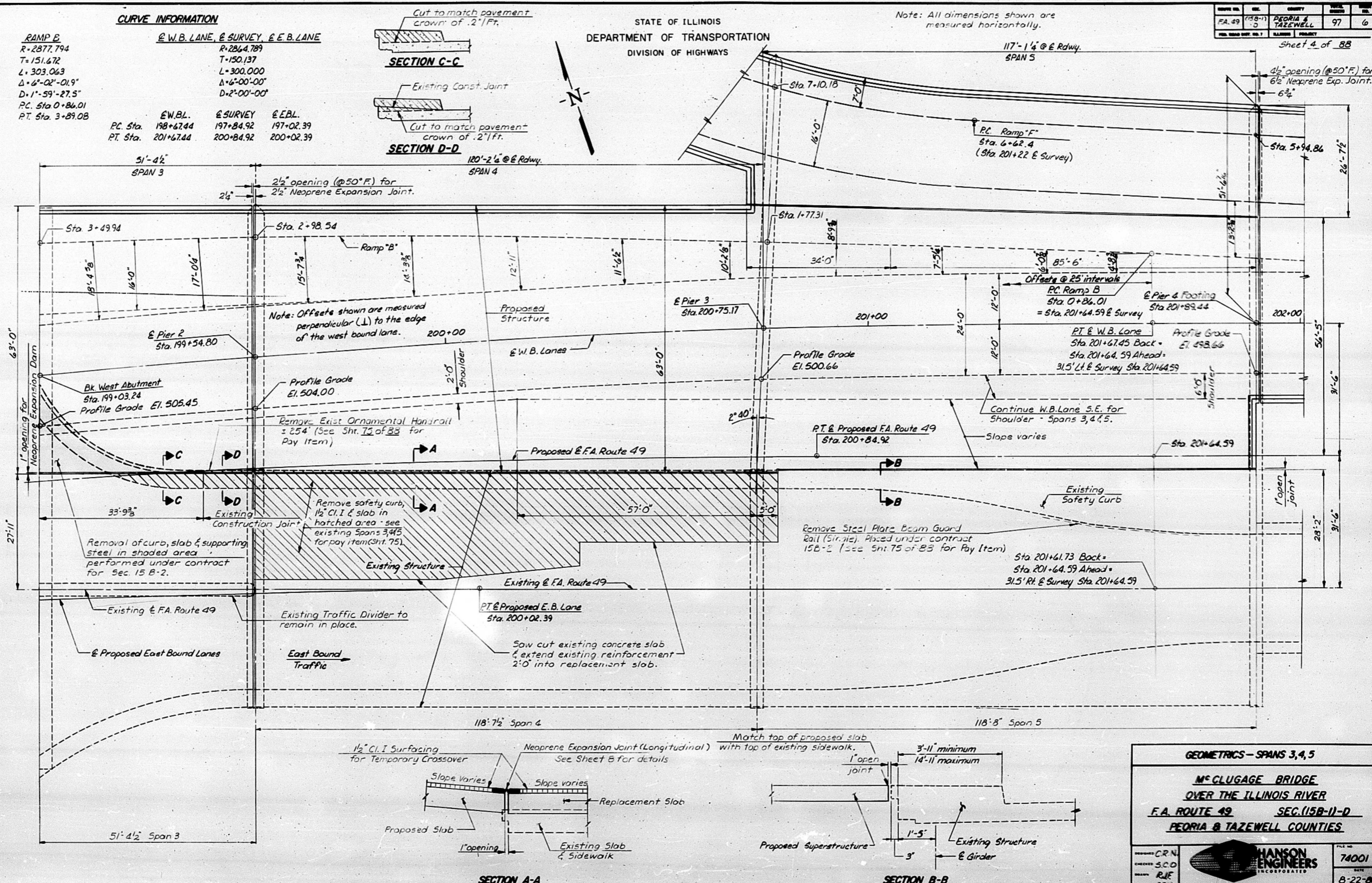
RAMP E R=2877.794 T=151.672 L=303.063 Δ=6°-02'-01.9" D=1°-59'-27.5" P.C. Sta 0+86.01 P.T. Sta. 3+89.08	W.B. LANE, E SURVEY, E.E.B. LANE R=2864.789 T=150.137 L=300.000 Δ=6°-00'-00" D=2°-00'-00"	E.W.B.L. P.C. Sta. 198+67.44 P.T. Sta. 201+67.44	E SURVEY 197+84.92 200+84.92	E.E.B.L. 197+02.39 200+02.39
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Note: All dimensions shown are measured horizontally.

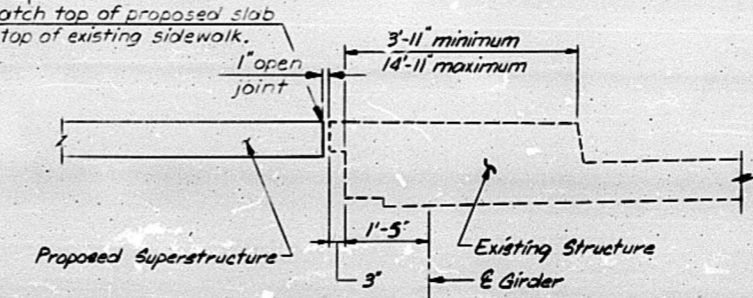
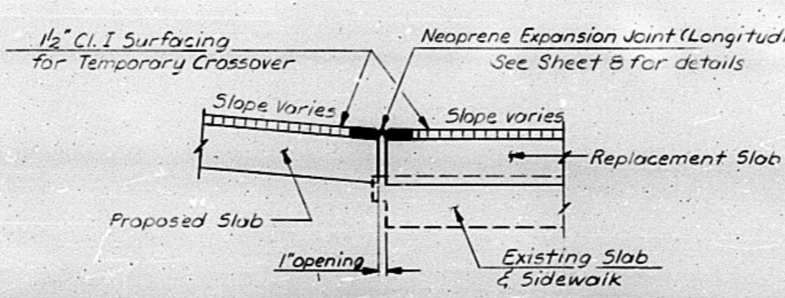
PROJECT NO.	DATE	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 49 (158-1)-D	7/7	PEORIA & TAZEWELL	97	6
SHEET NO. 6		PROJECT		

Sheet 4 of 88



Note: Offsets shown are measured perpendicular (⊥) to the edge of the west bound lane.

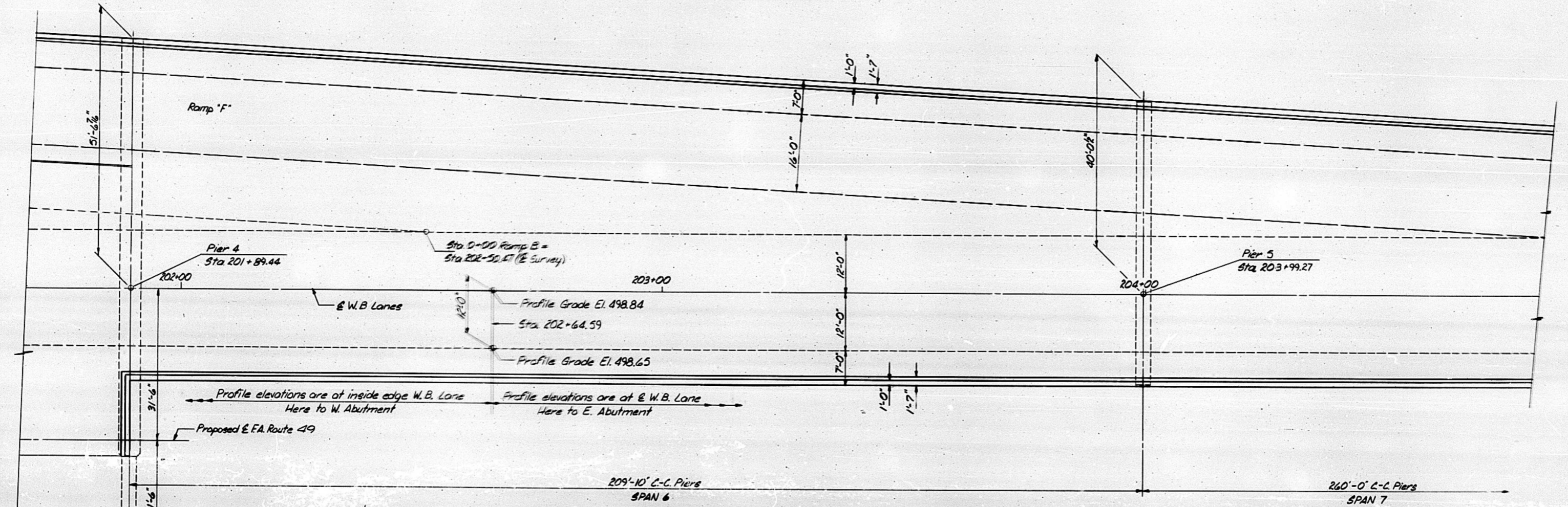
Remove Steel Plate Beam Guard Rail (Single). Placed under contract 15B-2 (See Sht. 75 of 88 for Pay Item)



GEOMETRICS - SPANS 3, 4, 5

M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (158-1)-D
PEORIA & TAZEWELL COUNTIES

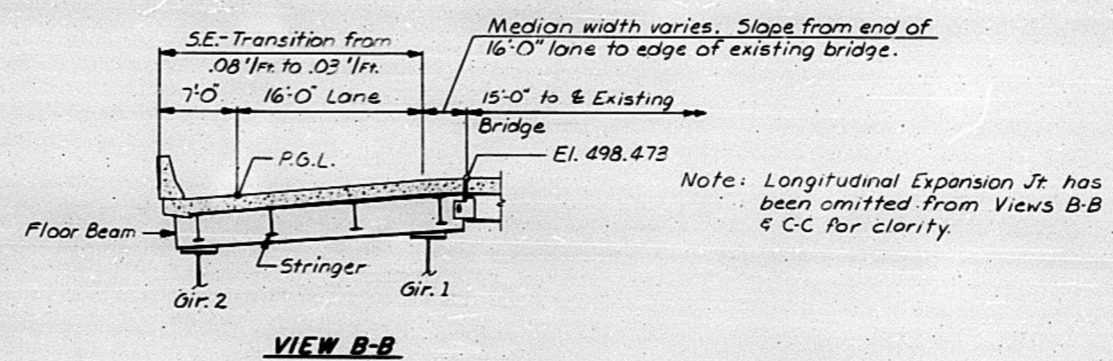
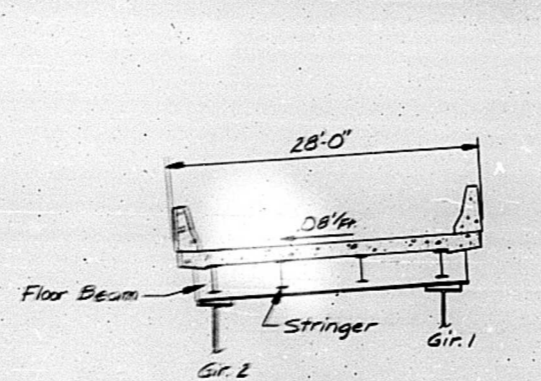
DESIGNED CRN		FILE NO.
CHECKED S.C.D.		74001
DRAWN R.J.F.		DATE
CHECKED CRN		8-22-80



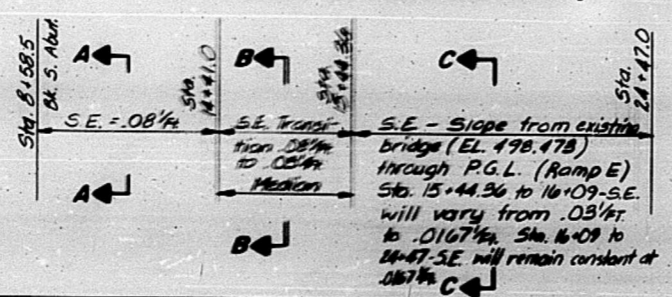
Profile elevations are at inside edge W.B. Lane Here to W. Abutment
Profile elevations are at & W.B. Lane Here to E. Abutment

209'-10" C-C Piers
SPAN 6

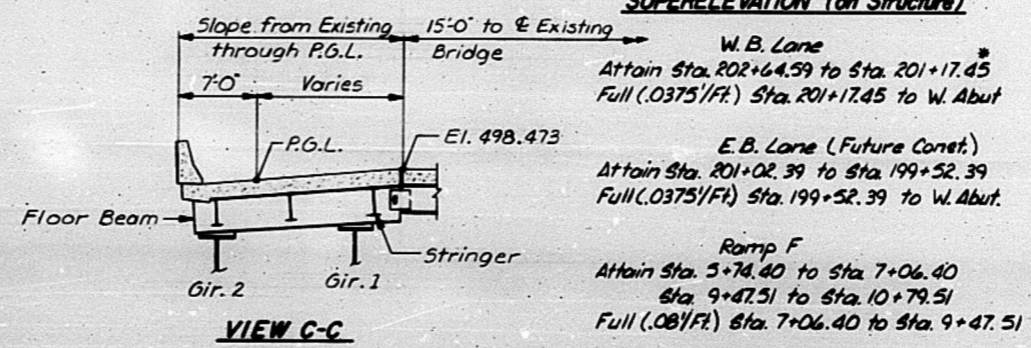
260'-0" C-C Piers
SPAN 7



SUPERELEVATION (on Ramp E)



SUPERELEVATION (on Structure)



* Note location of station equation.

Note: All dimensions shown are measured horizontally.

GEOMETRICS - SPANS 6,7

M^o CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 **SEG. (158-U-D)**
PEORIA & TAZEWELL COUNTIES

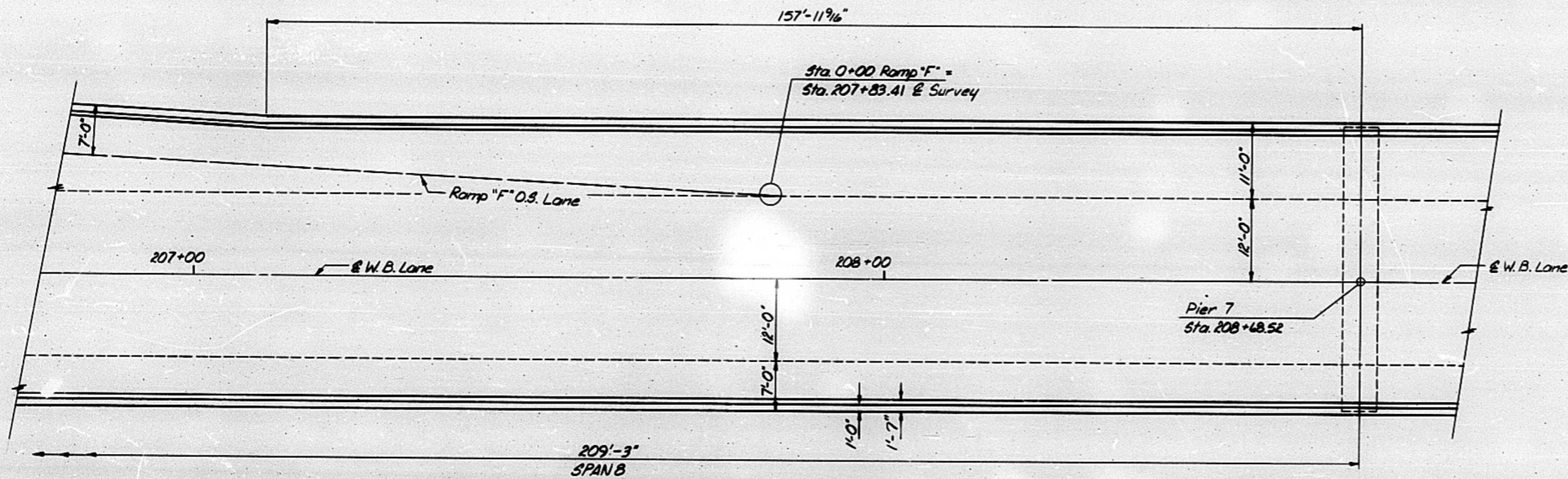
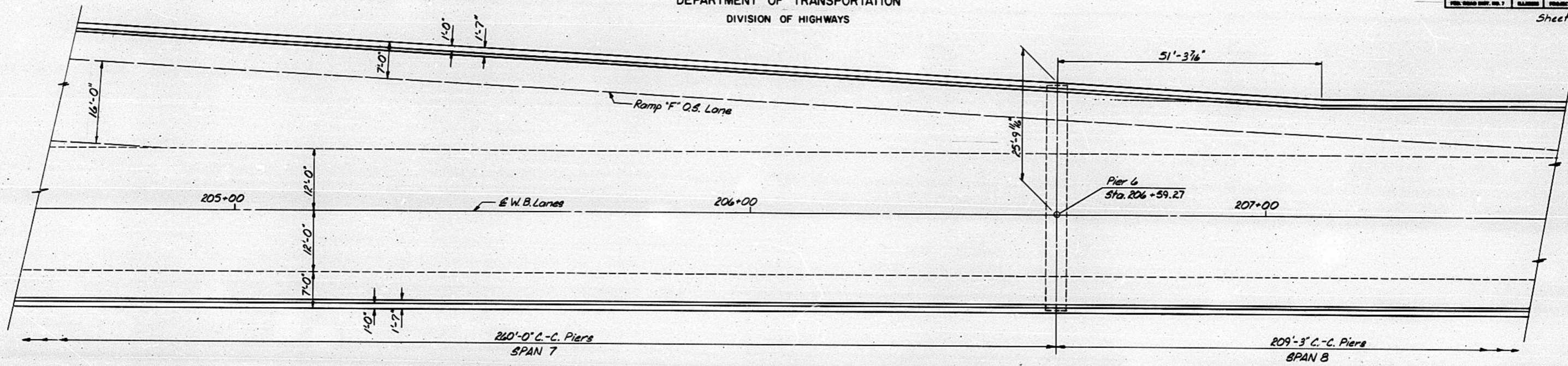
DESIGNED BY	CR.N.		FILE NO.	74001
CHECKED BY	S.C.O.		DATE	8-22-80
DRAWN BY	R.J.F.			
CHECKED BY	CR.N.			

SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	NO.	COUNTY	SCALE	SHEET NO.
FA. 49	(15B-1)	PEORIA & TAZEWELL	97	8
FED. ROAD DIST. NO. 1	-D	LANES	PROJECT	

Sheet 6 of 88



Note: All dimensions shown are measured horizontally.

GEOMETRICS — SPANS 7,8

M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. 115B-1-D
PEORIA & TAZEWELL COUNTIES

DESIGNED C.R.N.
CHECKED S.C.O.
DRAWN R.J.F.
CHECKED C.R.N.



FILE NO. 74001
DATE 8-22-80

SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

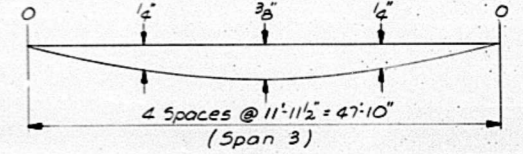
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	SHEET	OF
FA-49	(15B-1) -D	PEORIA & TAZEWELL	97	9
FED. ROAD DIST. NO. 1	CLASSIFICATION	PRIORITY		

Sheet 7 of 88

	STATION	GIRDER 1 ELEV. A	ELEV. B	STATION	GIRDER 2 ELEV. A	ELEV. B	STATION	GIRDER 3 ELEV. A	ELEV. B	STATION	GIRDER 4 ELEV. A	ELEV. B
East Bearing West Abutment	199+09.005	507.125	507.125	199+08.250	506.830	506.830	199+07.492	506.535	506.535	199+06.728	506.240	506.240
	199+18.838	506.817	506.829	199+18.112	506.522	506.534	199+17.382	506.226	506.238	199+16.647	505.930	505.942
	199+28.677	506.511	506.531	199+27.980	506.215	506.235	199+27.278	505.918	505.938	199+26.572	505.622	505.642
	199+38.522	506.206	506.224	199+37.853	505.909	505.927	199+37.180	505.611	505.629	199+36.505	505.314	505.332
West Bearing Pier 2	199+48.372	505.902	505.912	199+47.732	505.604	505.614	199+47.087	505.306	505.316	199+46.440	505.007	505.017
	199+56.092	505.665	505.665	199+55.474	505.366	505.366	199+54.852	505.067	505.067	199+54.227	504.768	504.768

	STATION	GIRDER 1 ELEV. A	ELEV. B	STATION	GIRDER 2 ELEV. A	ELEV. B	STATION	GIRDER 3 ELEV. A	ELEV. B	STATION	GIRDER 4 ELEV. A	ELEV. B	
East Bearing Pier 2	199+57.896	505.610	505.610	199+57.283	505.310	505.310	199+56.667	505.011	505.011	199+56.047	504.713	504.713	
	199+67.756	505.308	505.359	199+67.172	505.008	505.039	199+66.585	504.708	504.739	199+65.994	504.408	504.439	
	199+77.621	505.007	505.104	199+77.066	504.707	504.766	199+76.507	504.405	504.464	199+75.945	504.105	504.164	
	199+87.491	504.708	504.840	199+86.964	504.407	504.486	199+86.434	504.105	504.184	199+85.901	503.803	503.882	
	199+97.364	504.410	504.566	199+96.866	504.108	504.280	199+96.366	503.805	503.987	199+95.862	503.502	503.594	
	200+07.242	504.113	504.278	200+06.773	503.809	503.993	200+06.301	503.506	503.690	200+05.826	503.203	503.297	
	200+17.124	503.817	503.977	200+16.684	503.513	503.691	200+16.241	503.209	503.397	200+15.795	502.904	502.992	
	200+27.009	503.522	503.685	200+26.598	503.218	503.393	200+26.184	502.912	503.097	200+25.767	502.607	502.682	
	200+36.898	503.230	503.397	200+36.515	502.923	503.098	200+36.130	502.617	502.802	200+35.743	502.311	502.366	
	200+46.789	502.937	503.108	200+46.436	502.630	502.806	200+46.080	502.323	502.508	200+45.722	502.016	502.050	
	200+56.684	502.646	502.822	200+56.359	502.338	502.514	200+56.032	502.030	502.215	200+55.704	501.722	501.737	
	200+66.581	502.351	502.532	200+66.285	502.047	502.230	200+65.988	501.739	501.922	200+65.688	501.430	501.433	
	Bearing Pier 3	200+77.308	501.867	501.867	200+76.575	501.747	501.747	200+75.915	501.450	501.450	200+75.252	501.151	501.151
		200+87.135	501.607	501.595	200+86.506	501.459	501.464	200+85.875	501.160	501.165	200+85.241	500.862	500.867
200+97.039		501.362	501.348	200+96.438	501.185	501.203	200+95.837	500.883	500.901	200+95.232	500.582	500.600	
201+06.944		501.140	501.134	201+06.373	500.934	500.972	201+05.801	500.631	500.669	201+05.225	500.327	500.365	
201+16.844		500.927	500.934	201+16.306	500.703	500.763	201+15.766	500.402	500.462	201+15.220	500.096	500.156	
201+26.746		500.687	500.708	201+26.241	500.431	500.509	201+25.732	500.154	500.232	201+25.215	499.866	499.944	
201+36.651		500.451	500.484	201+36.178	500.177	500.267	201+35.700	499.922	500.012	201+35.212	499.653	499.743	
201+46.559		500.229	500.269	201+46.116	499.947	500.042	201+45.668	499.715	499.810	201+45.210	499.466	499.561	
201+56.469		500.022	500.064	201+56.056	499.744	499.834	201+55.636	499.532	499.622	201+55.208	499.303	499.393	
201+66.381		499.825	499.863	201+66.397	499.639	499.729	201+65.606	499.374	499.464	201+65.206	499.163	499.239	
201+76.308		499.637	499.665	201+76.131	499.409	499.499	201+76.740	499.239	499.329	201+76.346	499.049	499.103	
201+86.235		499.459	499.472	201+86.130	499.279	499.304	201+86.740	499.127	499.152	201+86.346	498.957	498.982	
West Bearing Pier 4	201+88.770	499.369	499.369	201+88.770	499.213	499.213	201+88.770	499.070	499.070	201+88.770	498.910	498.910	



DEAD LOAD DEFLECTION DIAGRAM
(SPAN 3)

(Includes weight of concrete slab)

Note: The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflection (Elev. B) as shown in "Elevations-Top of Concrete" table.

	STATION	GIRDER 5 ELEV. A	ELEV. B	STATION	GIRDER 6 ELEV. A	ELEV. B	STATION	GIRDER 7 ELEV. A	ELEV. B	STATION	GIRDER 8 ELEV. A	ELEV. B
East Bearing West Abutment	199+05.961	505.946	505.946	199+05.188	505.652	505.652	199+04.412	505.358	505.358	199+03.650	503.909	503.909
	199+15.908	505.635	505.647	199+15.165	505.340	505.352	199+12.418	505.045	505.056	199+11.666	503.621	503.632
	199+25.862	505.325	505.345	199+25.148	505.029	505.049	199+24.430	504.656	504.674	199+23.708	503.341	503.359
	199+35.822	505.017	505.035	199+35.137	504.720	504.738	199+34.449	504.266	504.283	199+33.756	503.067	503.084
West Bearing Pier 2	199+45.788	504.709	504.719	199+45.132	504.411	504.421	199+44.473	503.897	503.906	199+43.809	502.797	502.806
	199+53.598	504.468	504.468	199+52.965	504.171	504.171	199+52.329	503.623	503.623	199+51.688	502.588	502.588

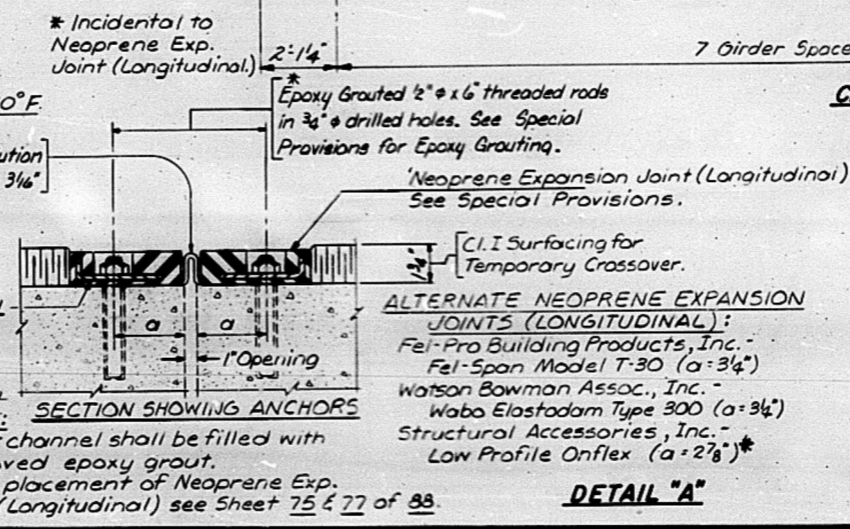
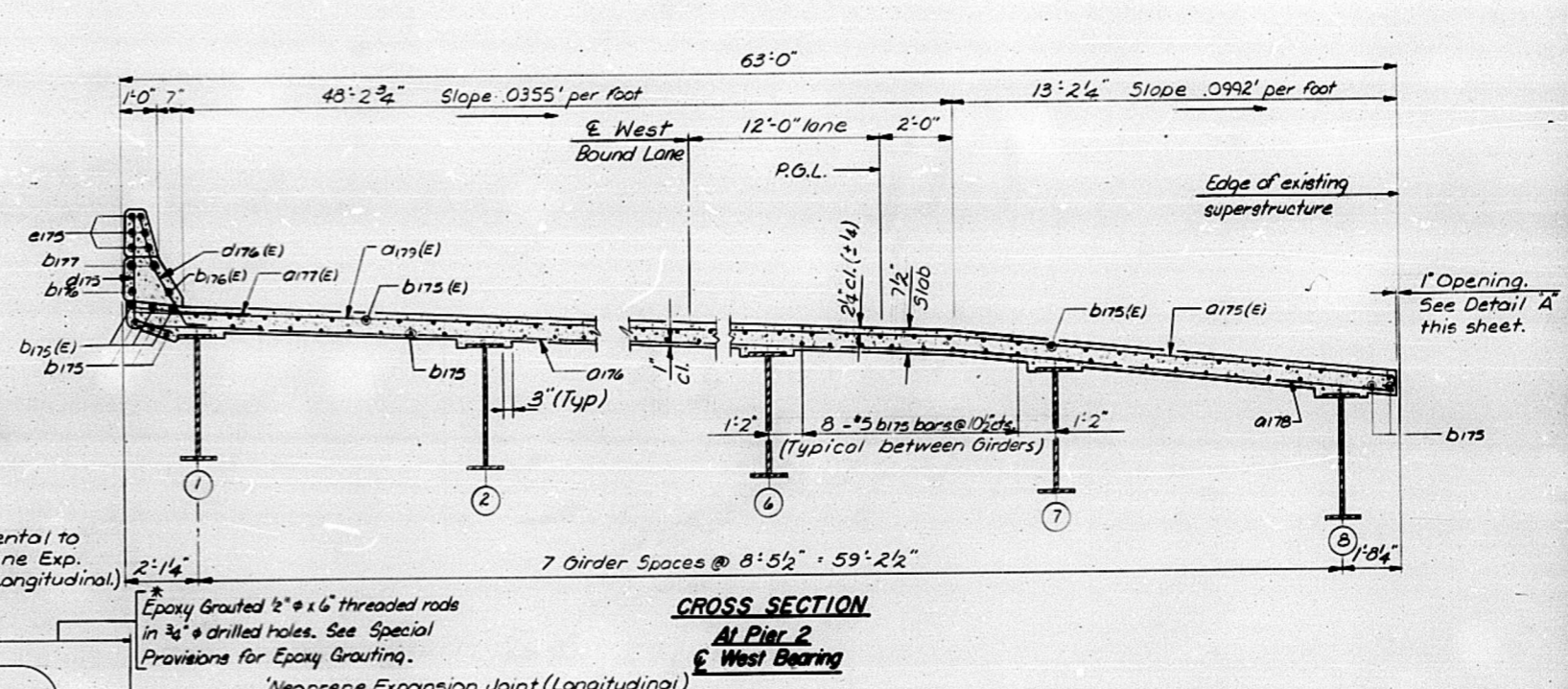
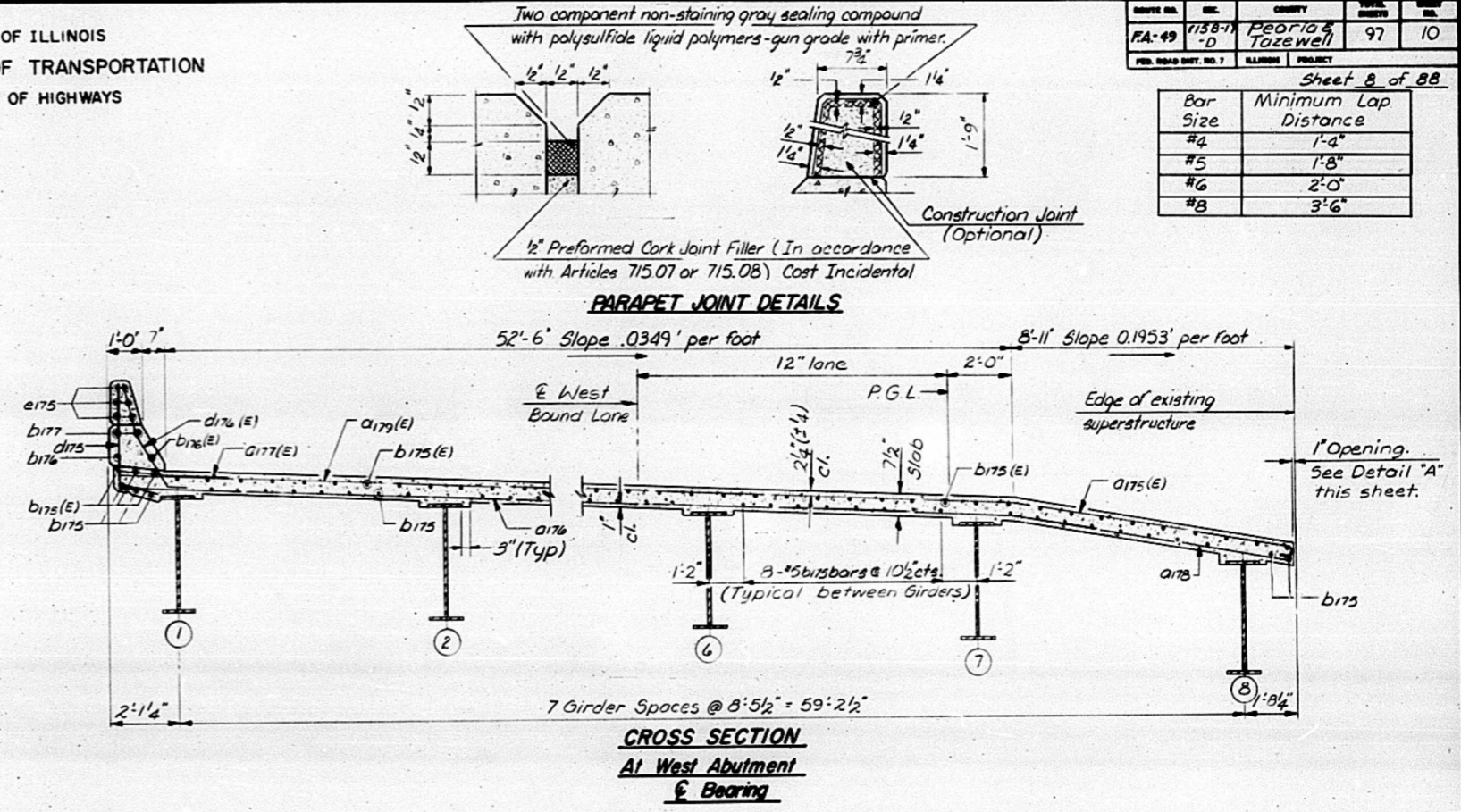
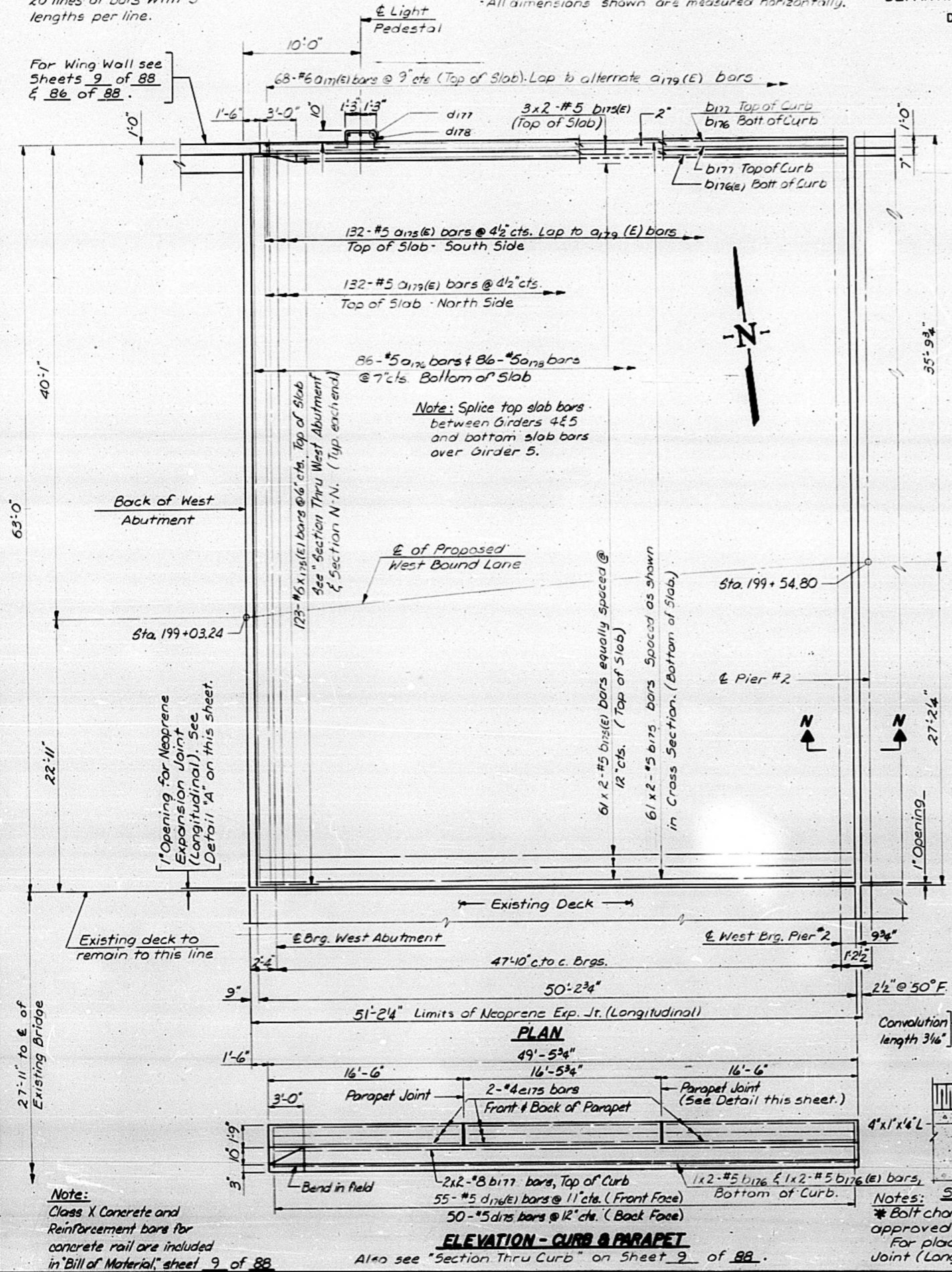
	STATION	GIRDER 5 ELEV. A	ELEV. B	STATION	GIRDER 6 ELEV. A	ELEV. B	STATION	GIRDER 7 ELEV. A	ELEV. B	STATION	GIRDER 8 ELEV. A	ELEV. B	
East Bearing Pier 2	199+55.423	504.413	504.413	199+54.796	504.115	504.115	199+54.165	503.547	503.547	199+53.530	502.520	502.520	
	199+65.399	504.108	504.139	199+64.801	503.809	503.831	199+64.200	503.210	503.229	199+63.594	502.396	502.410	
	199+75.380	503.804	503.863	199+74.811	503.504	503.545	199+74.239	502.880	502.915	199+73.664	502.339	502.364	
	199+85.365	503.501	503.580	199+84.826	503.199	503.254	199+84.283	502.560	502.607	199+83.738	502.283	502.318	
	199+95.355	503.200	503.292	199+94.845	502.897	502.961	199+94.332	502.239	502.294	199+93.816	502.205	502.245	
	200+05.349	502.899	502.993	200+04.868	502.596	502.662	200+04.385	501.957	502.014	200+03.899	502.124	502.165	
	200+15.347	502.599	502.687	200+14.896	502.296	502.358	200+14.442	501.658	501.714	200+13.986	502.032	502.071	
	200+25.348	502.302	502.377	200+24.927	501.996	502.049	200+24.503	501.359	501.415	200+24.077	501.925	501.958	
	200+35.354	502.005	502.060	200+34.962	501.699	501.739	200+34.568	501.060	501.100	200+34.171	501.794	501.819	
	200+45.362	501.710	501.744	200+45.000	501.403	501.428	200+44.636	500.761	500.786	200+44.269	501.616	501.632	
	200+55.373	501.414	501.429	200+55.041	501.105	501.117	200+54.706	500.463	500.475	200+54.370	501.405	501.412	
	200+65.387	501.121	501.124	200+65.084	500.812	500.815	200+64.780	500.165	500.165	200+64.473	501.195	501.197	
	Bearing Pier 3	200+74.584	500.854	500.854	200+73.913	500.552	500.552	200+73.238	500.251	500.251	200+72.558	500.037	500.037
		200+84.603	500.563	500.568	200+83.961	500.264	500.264	200+83.316	500.020	500.023	200+82.666	500.237	500.239
200+94.624		500.281	500.299	200+94.012	499.977	499.991	200+93.396	499.986	499.986	200+92.776	500.065	500.074	
201+04.646		500.024	500.062	201+04.064	499.718	499.746	201+03.478	499.773	499.797	201+02.888	499.510	499.527	
201+14.670		499.791	499.851	201+14.117	499.485	499.528	201+13.561	499.582	499.619	201+13.002	499.774	499.801	
201+24.695		499.575	499.653	201+24.172	499.281	499.336	201+23.646	499.418	499.465	201+23.117	499.657	499.691	
201+34.722		499.382	499.472	201+34.228	499.107	499.171	201+33.732	499.279	499.334	201+33.233	499.558	499.598	
201+44.749		499.214	499.309	201+44.285	498.959	499.025	201+43.819	499.162	499.219	201+43.350	499.475	499.516	
201+54.776		499.071	499.161	201+54.343	498.836	498.899	201+53.906	499.062	499.116	201+53.467	499.400	499.439	
201+64.804		498.951	499.027	201+64.400	498.736	498.789	201+63.994	498.977	499.022	201+63.585	499.330	499.363	
201+74.831		498.857	498.910	201+74.558	498.644	498.701	201+74.164	498.910	498.942	201+73.770	499.265	499.288	
201+84.858		498.785	498.810	201+84.685	498.561	498.628	201+84.270	498.856	498.871	201+83.877	499.204	499.215	
West Bearing Pier 4	201+88.770	498.745	498.745	201+88.770	498.589	498.589	201+88.770	498.821	498.821	201+88.770	499.151	499.151	

Note: Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

Notes:
 - For Light Pedestal Details see Sheet 3 of 88.
 - For Section N-N see Sheet 9 of 88.
 - All dimensions shown are measured horizontally.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

PROJECT NO.	1138-1-D	COUNTY	Peoria & Tazewell	SHEET NO.	97	TOTAL SHEETS	10	
PROJECT NAME	SUPERSTRUCTURE - SPAN 3						Sheet 8 of 88	
Bar Size	Minimum Lap Distance							
#4	1'-4"							
#5	1'-8"							
#6	2'-0"							
#8	3'-6"							



SUPERSTRUCTURE - SPAN 3

M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-11-D)
PEORIA & TAZEWELL COUNTIES

DESIGNED BY: C.R.N.
 CHECKED BY: S.C.O.
 DRAWN BY: DAN
 CHECKED BY: C.R.N.

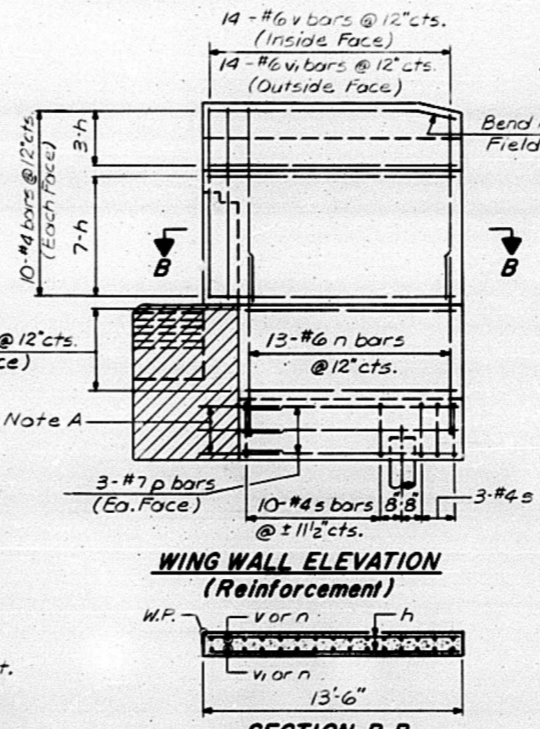
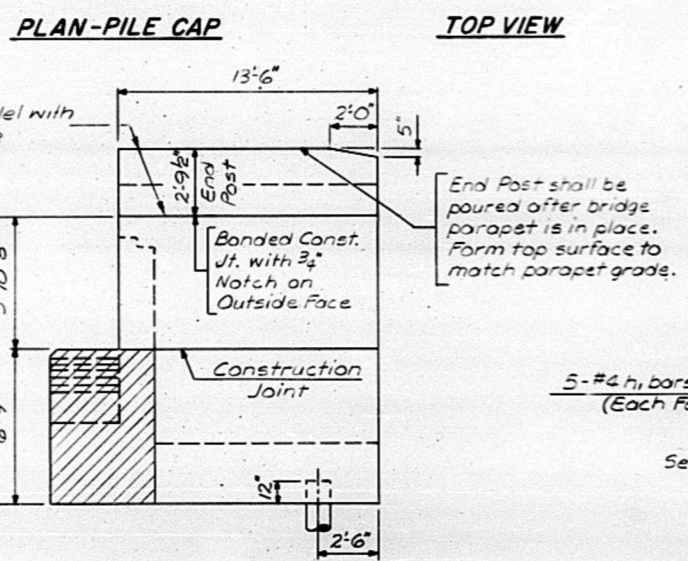
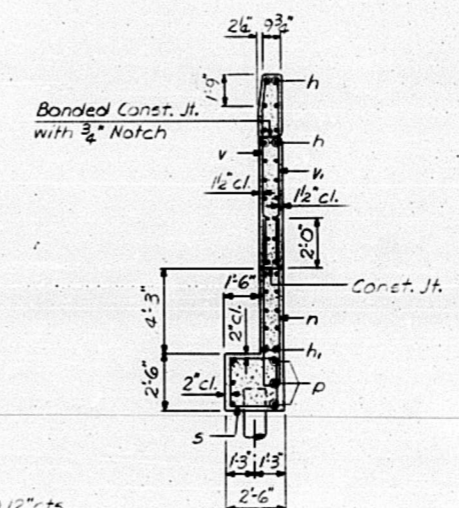
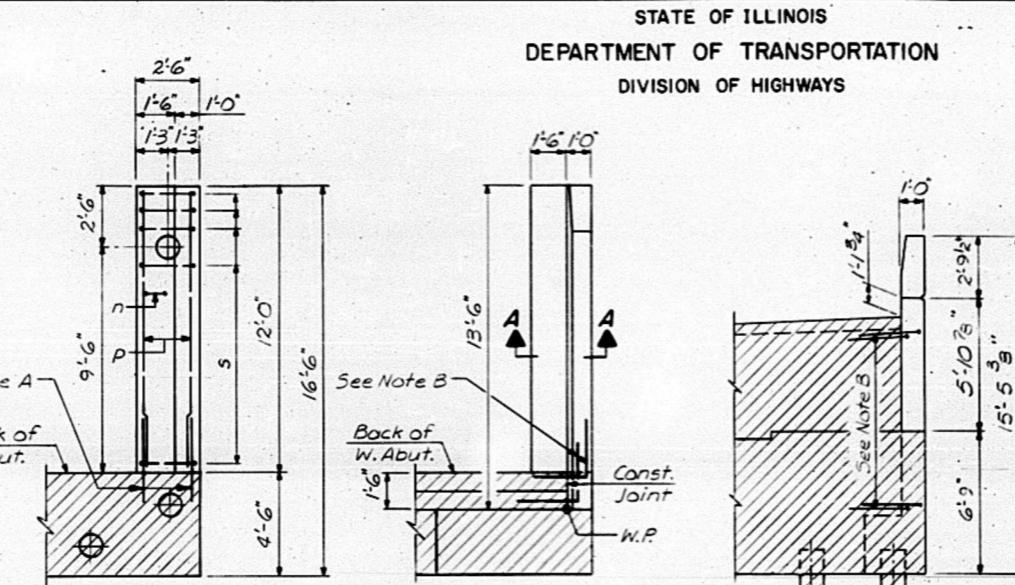
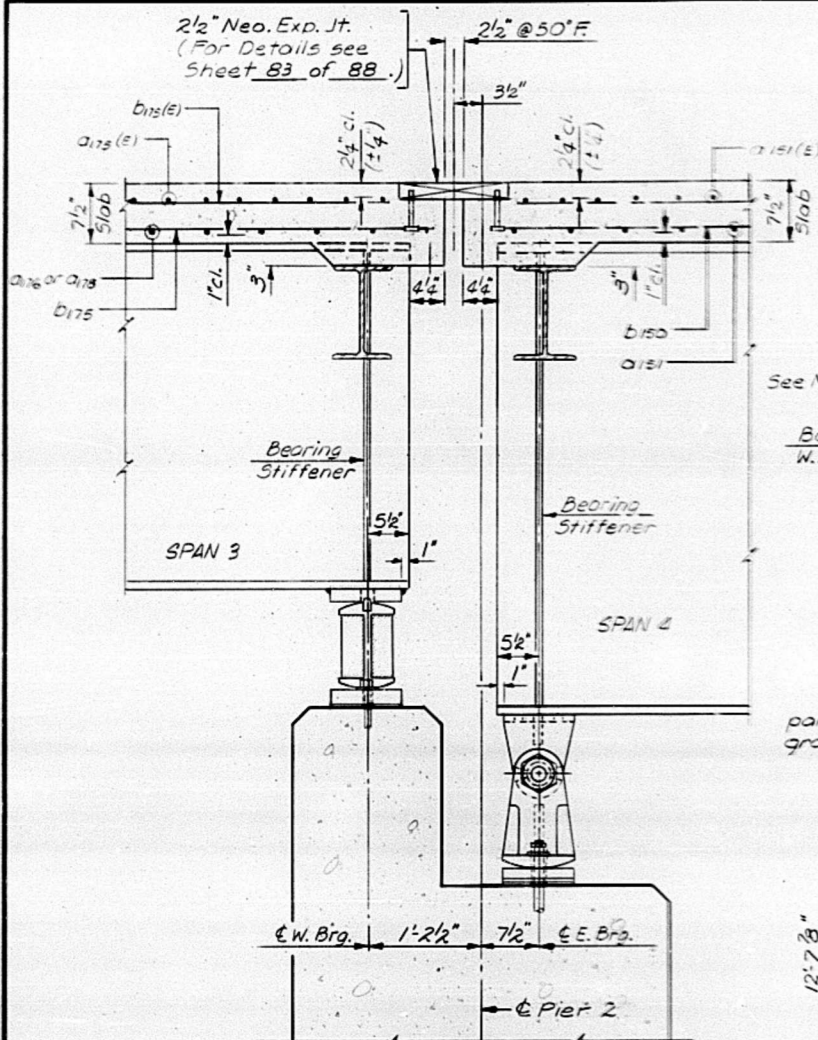
HANSON ENGINEERS
 INCORPORATED
 SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

FILE NO: 74001
 DATE: 8-22-80

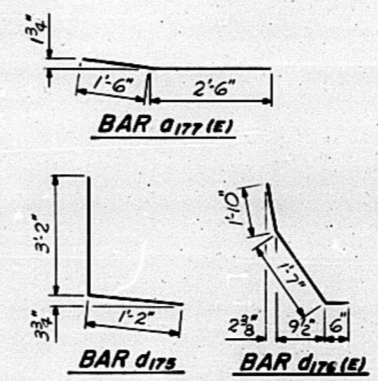
Note: Reinforcement for wingwall at West Abut shall be supplied with deck contract. Construction of wingwall at West Abut is not included in deck contract.

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA-49	(15B-1)	PEORIA & TAZEWELL	97	11

Sheet 9 of 88



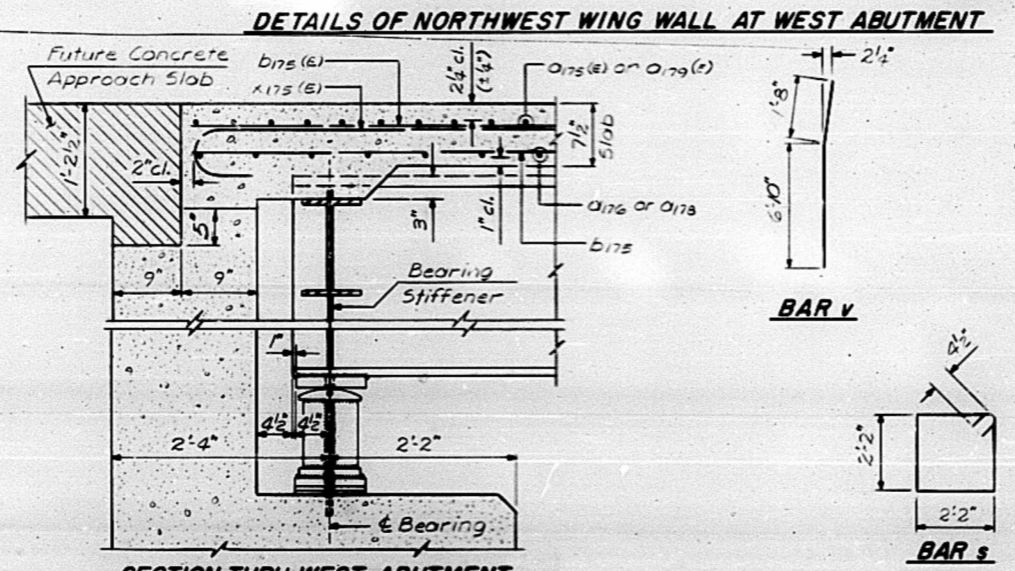
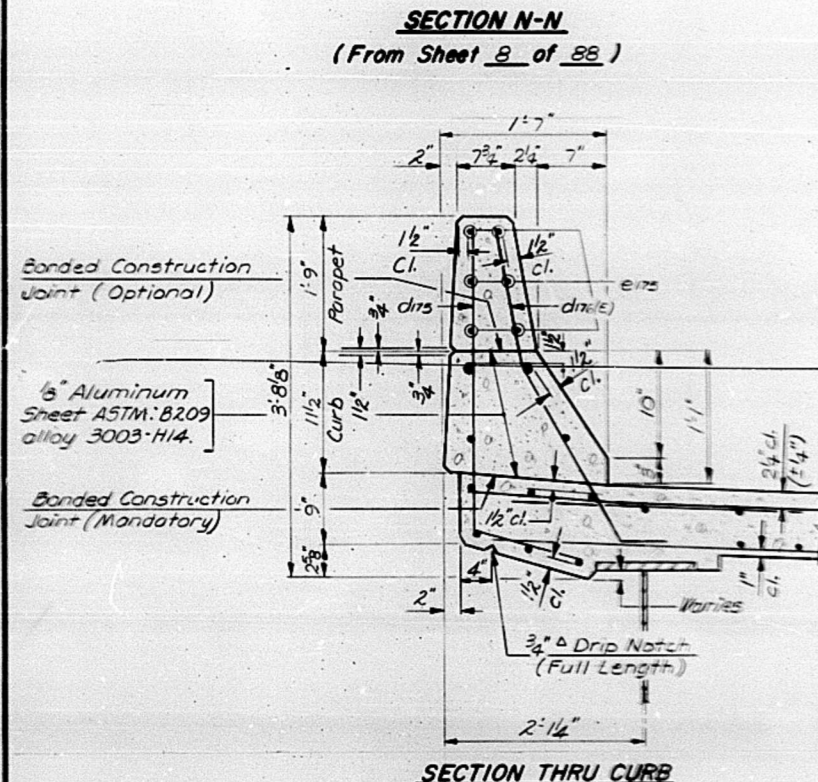
SECTION A-A
Note A Existing p1 bars in W. Abut. (See Sheet 86 of 88.) Lap with p bars in wing wall pile cap.
Note B Existing h2 bars in W. Abut. (See Sheet 86 of 88.) Lap with h bars in wing wall.



**SPAN 3
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
d175(E)	132	#5	32'-7"	C
d176	86	#5	37'-6"	—
d177(E)	68	#6	4'-0"	—
d178	86	#5	28'-9"	—
d179(E)	132	#5	32'-4"	—
b175	122	#5	25'-10"	—
b175(E)	128	#5	25'-10"	—
b176	2	#5	25'-6"	—
b176(E)	2	#5	25'-6"	—
b177	4	#8	26'-4"	—
d175	50	#4	4'-4"	—
d176(E)	55	#5	3'-11"	—
d177	3	#6	4'-5"	—
d178	5	#6	8'-11"	—
e175	18	#4	16'-3"	—
h	20	#4	13'-2"	—
h1	10	#4	11'-8"	—
n	13	#6	15'-11"	—
s	13	#4	9'-5"	—
v	14	#6	8'-6"	—
v1	14	#6	8'-6"	—
x175(E)	246	#6	4'-9"	—
Neoprene Exp. Jt. (Lanz.)	Lin. Ft.		51.2	
Class X Concrete	Cu. Yds.		101.9	
Reinforcement Bars	Lbs.		11,010	
Reinforcement Bars (Epoxy Coated)	Lbs.		14,830	
2 1/2 Neo. Exp. Joint	Lin. Ft.		61.9	
Protective Coat	Sq. Yds.		363.0	

Neoprene Expansion Joint listed on Existing Spans 3A, 4 & 5 Bill of Material (Sheet 75 of 88.)



Notes
For Diagrammatic Plan - Top of Slab Elev., see Sheet 11 of 88.
For Top of Slab Elevations - Spans 3, 4 & 5 see Sheet 7 of 88.

**SUPERSTRUCTURE DETAILS
SPAN 3**

**M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER**

**F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES**

DESIGNED C.R.N.
CHECKED S.C.O.
DRAWN DAN
CHECKED C.R.N.

**HANSON ENGINEERS
INCORPORATED**
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

74001
8-22-80

Note: Bars indicated thus 20 x 3 - #5, etc. indicates 20 lines of bars with 3 lengths per line.

Bar Size	Minimum Lap Distance
#4	1'-4"
#5	1'-8"
#6	2'-0"
#8	3'-6"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

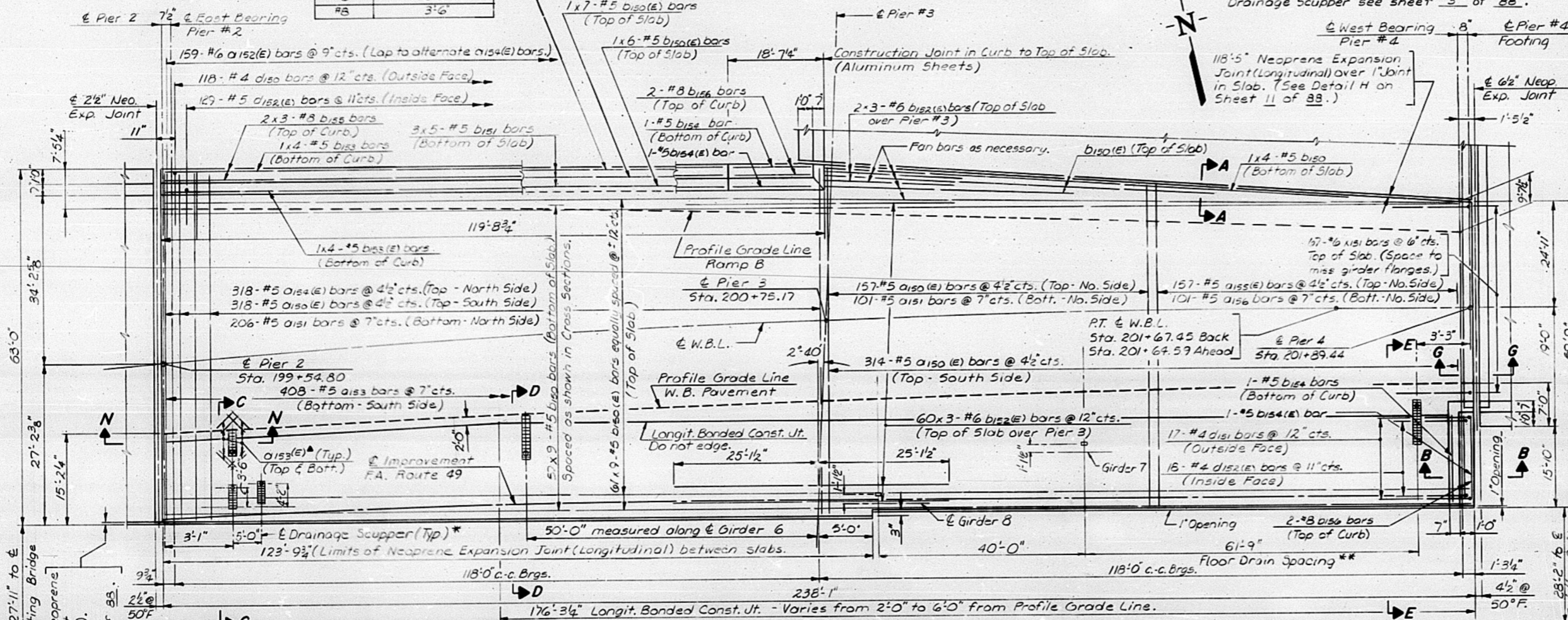
Notes: For Section N-N see sheet 9 of 88.
For Section G-G see sheet 18 of 88.
For Sections A-A & B-B see sheet 11 of 88.
For Sections C-C, D-D & E-E see sheet 12 of 88.
For Drainage Scupper Details see Sheets 19 & 20 of 88.
* For Reinforcement & configuration of slab at Drainage Scupper see sheet 3 of 88.

PROJECT NO.	SHEET NO.	TOTAL SHEETS	DATE
FA:49 (15B-1)-D	10	97	12

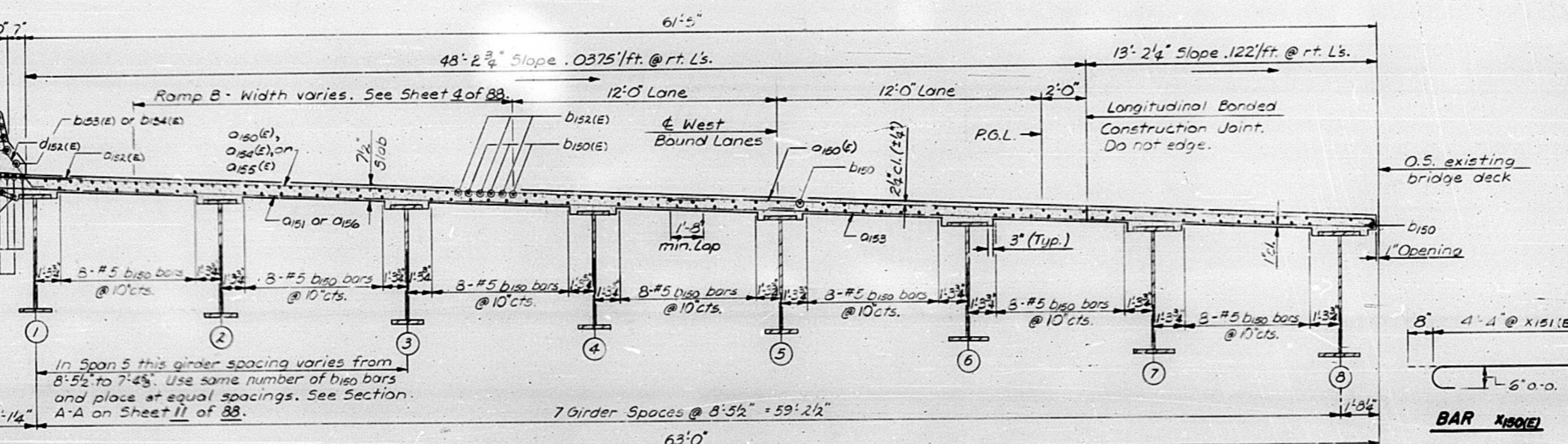
Sheet 10 of 88

SPANS 4&5
BILL OF MATERIAL

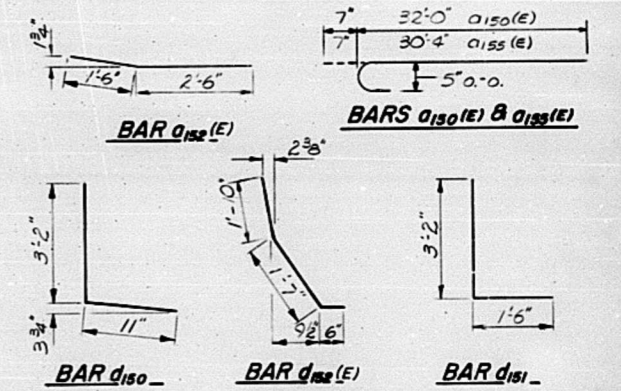
Bar	No.	Bar	No.	Size	Length	Shape	
a150(E)	789	a151	307	#5	32'-7"	C	
a152(E)	159	a153	408	#5	36'-0"	C	
a153(E)	36			#5	4'-0"	C	
a154(E)	318			#5	27'-9"	C	
a155(E)	157			#5	2'-0"	C	
		a156	101	#5	32'-4"	C	
				#5	34'-4"	C	
b150(E)	570	b151	15	#5	28'-0"	C	
		b152	4	#5	25'-3"	C	
b153(E)	186	b154	4	#5	18'-7"	C	
b154(E)	4	b155	2	#5	26'-2"	C	
		b156	6	#5	17'-3"	C	
		b157	4	#8	35'-11"	C	
		b158	4	#8	16'-10"	C	
d150	118			#4	4'-1"	L	
d151	17			#4	4'-8"	L	
d152(E)	147			#5	3'-11"	L	
e150	42			#4	16'-3"	L	
e151	6			#4	17'-6"	L	
k151(E)	67			#6	5'-0"	C	
Drainage System Complete						Lump Sum	1
Neoprene Expansion Jt. (Long)						Lin. Ft.	242.2
Reinforcement Bars						Lbs.	44,250
Class X Concrete						Cu. Yds.	378.3
Neoprene Expansion Joint 6/2"						Lin. Ft.	69.0
Reinforcement Bars (Epoxy Coated)						Lbs.	66,710
Protective Coat						Sq. Yds.	1,205.4
Floor Drains						Each	2



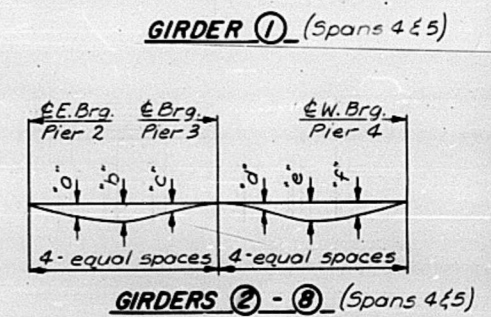
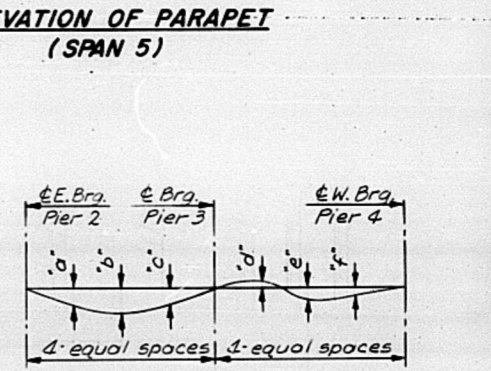
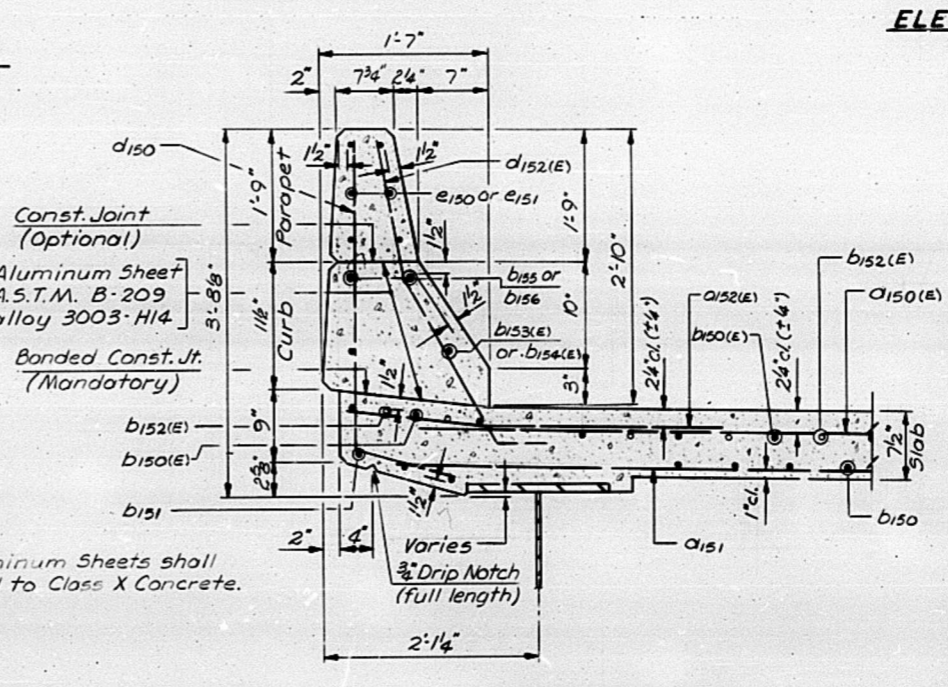
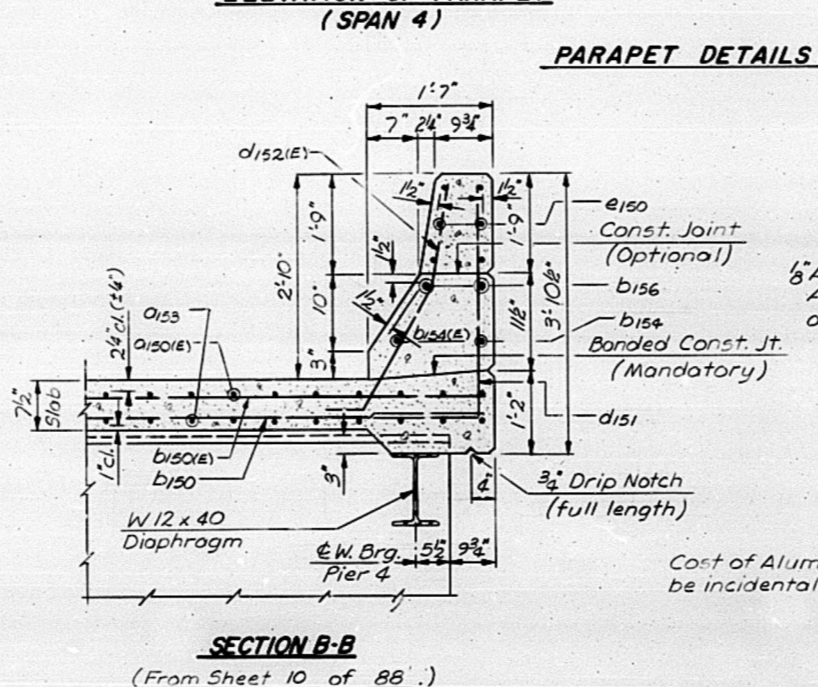
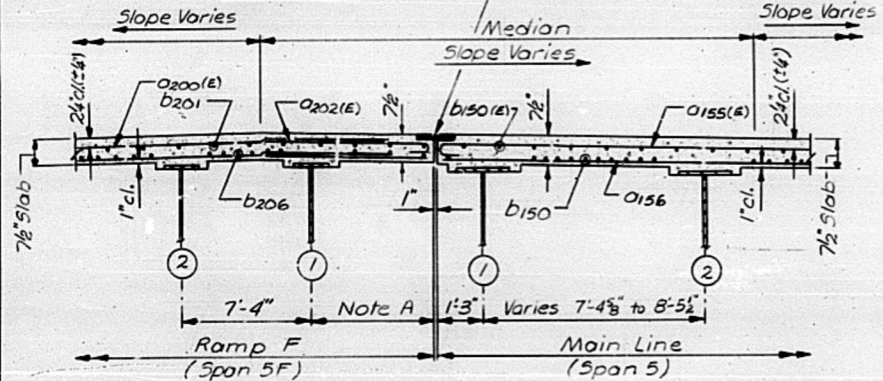
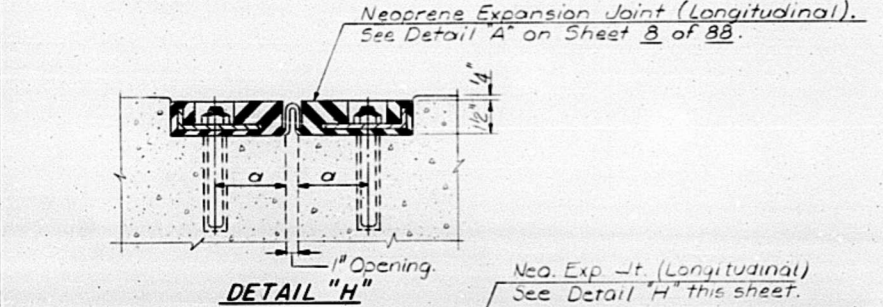
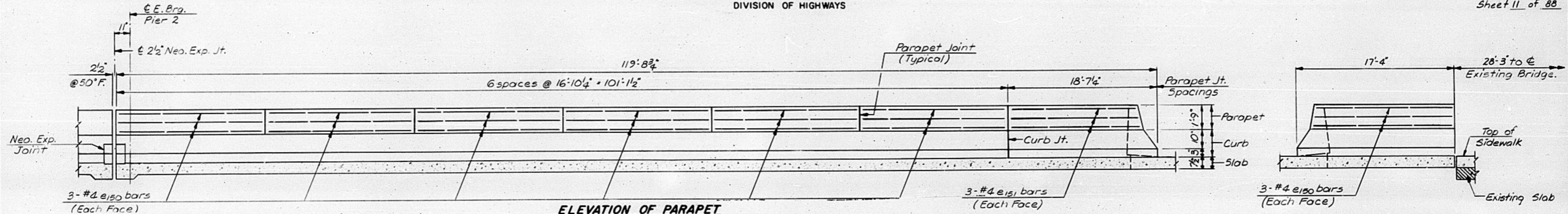
PLAN
Note: All dimensions shown are measured horizontally.
** For Connection & Details see Sht 3 of 88



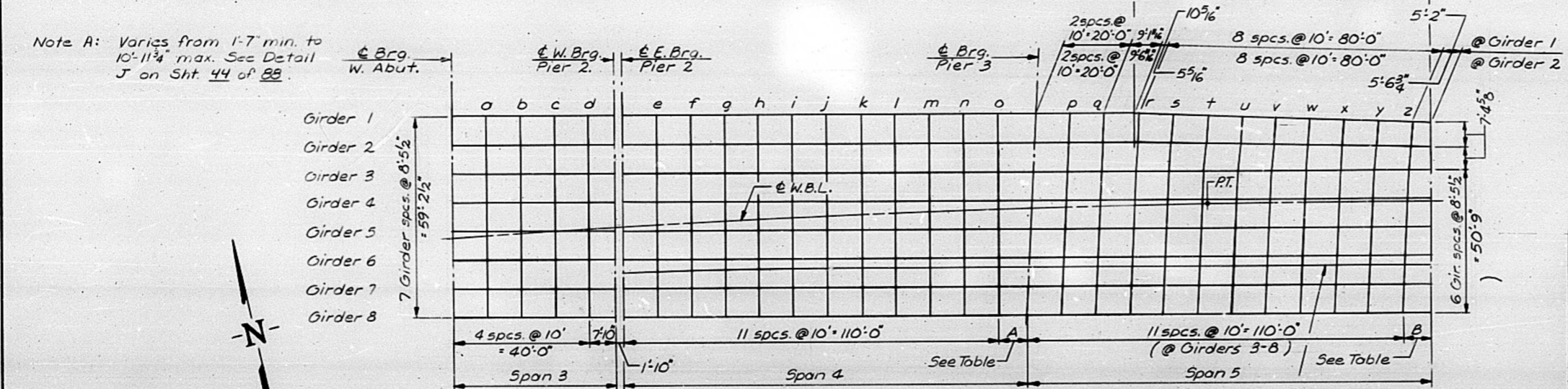
CROSS SECTION
Along East Bearing of Pier 2
Looking East



SUPERSTRUCTURE
SPANS 4&5
M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES



Note A: Varies from 1'-7" min. to 10'-11 3/4" max. See Detail J on Sht. 44 of 88.



SECTION THRU CURB (Span 4)

DEAD LOAD DEFLECTION DIAGRAMS (Includes weight of Concrete only)

TABLE OF DEAD LOAD DEFLECTIONS

Girder No.	Deflections					
	a	b	c	d	e	f
1	1 3/16"	1 1/8"	1"	1 1/8"	5 3/8"	7 1/8"
2	1 3/16"	1 1/8"	7/16"	7/16"	1 1/8"	1 3/16"
3						
4						
5						
6	1 1/8"	3/4"	5/16"	3/16"	3/4"	1 1/8"
7	5/16"	1/16"	5/16"	5/16"	1 1/8"	9/16"
8	7/16"	1/2"	3/16"	3/16"	1/2"	7/16"

TABLE FOR DIMENSIONS A & B

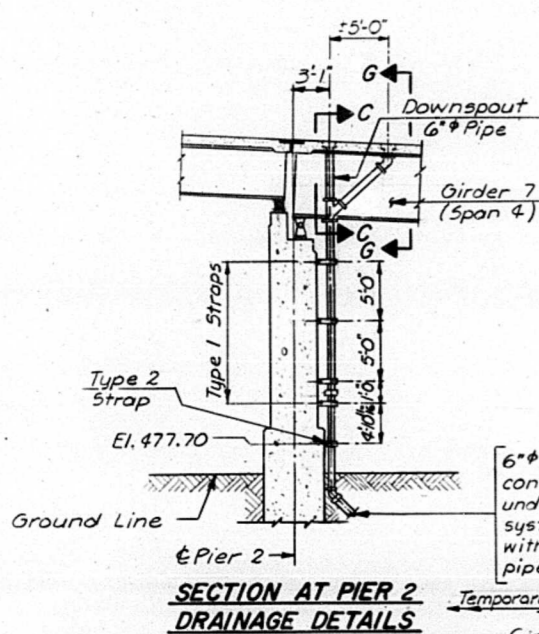
Gir. No.	A	B
1	10'-10"	
2	10'-5 1/4"	
3	10'-0 1/2"	5'-11 1/2"
4	9'-7 3/8"	6'-4 3/8"
5	9'-3 1/8"	6'-8 3/8"
6	8'-10 3/8"	7'-1 3/8"
7	8'-5 3/8"	7'-6 3/8"
8	8'-0 3/8"	7'-11 3/8"

SUPERSTRUCTURE DETAILS SPANS 4 & 5
M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

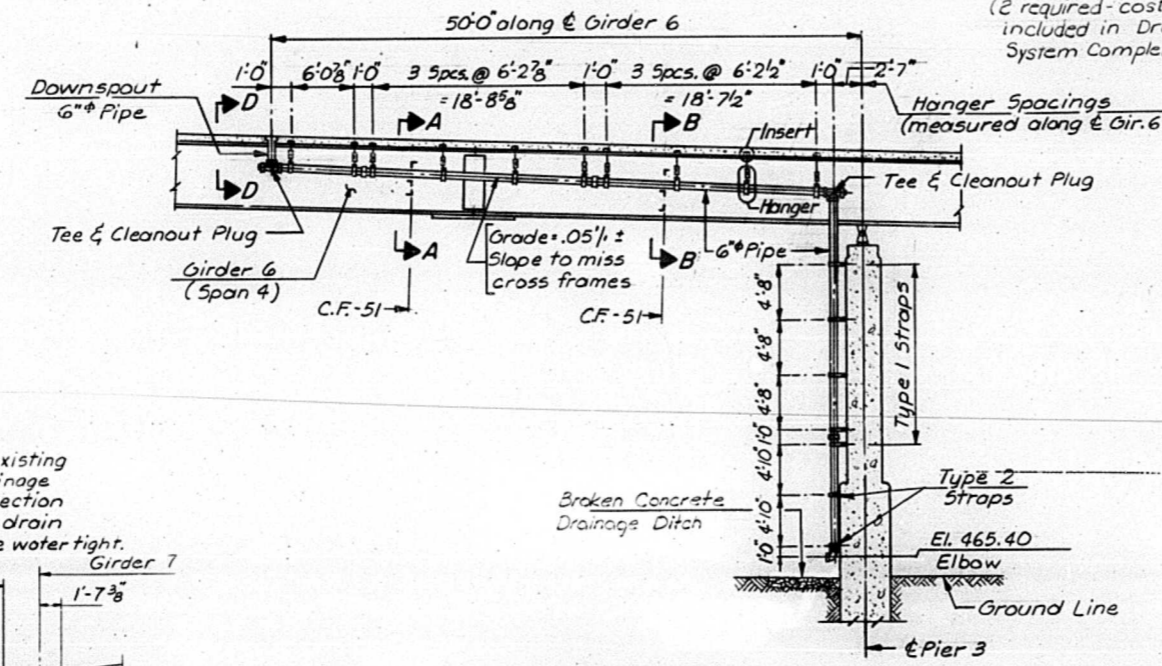
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
F.A. 49 (15B-1)	Peoria & Tazewell	97	104
FED. ROAD DIST. NO. 7	ILLINOIS		

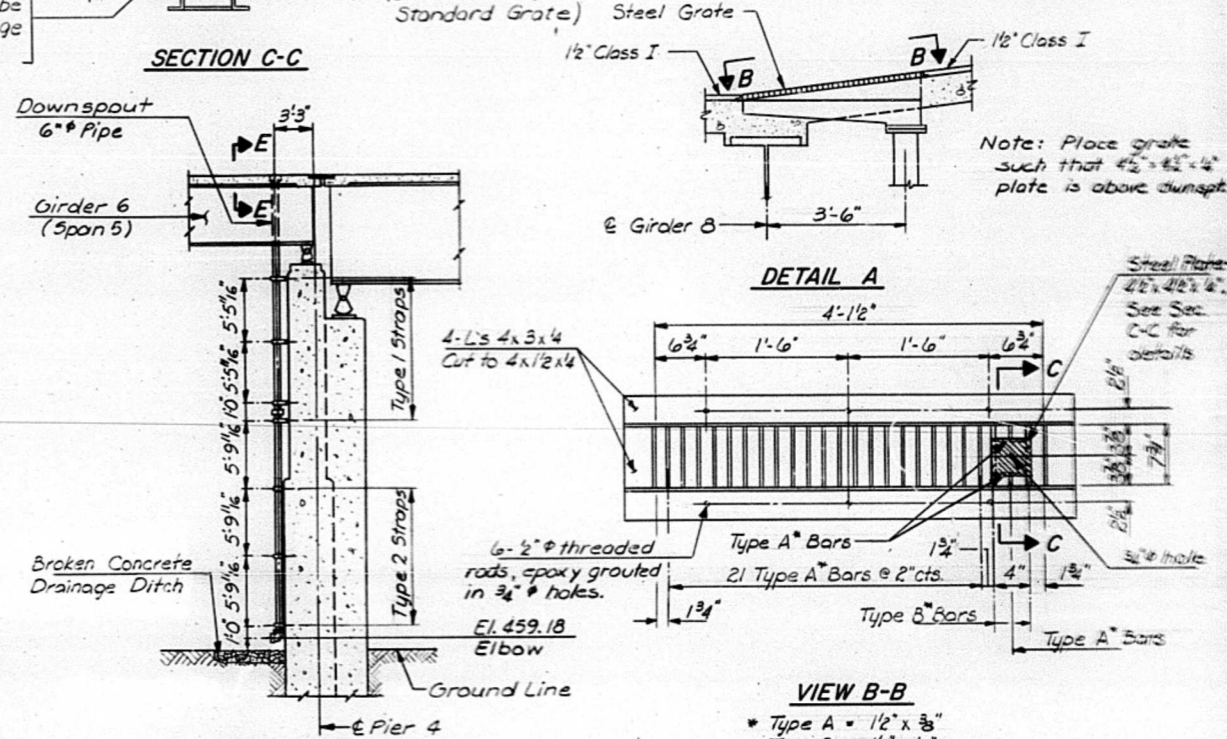
Sheet 12 of 88



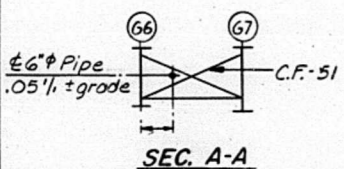
**SECTION AT PIER 2
DRAINAGE DETAILS**



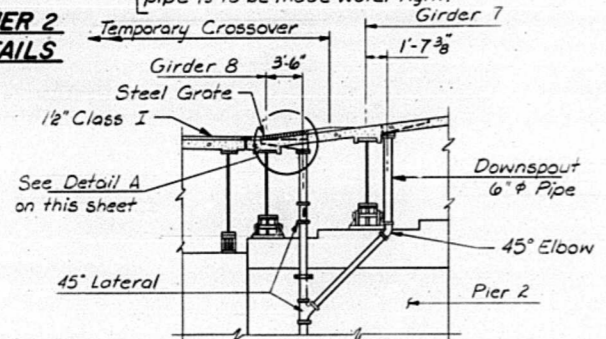
**SECTION AT PIER 3
DRAINAGE DETAILS**



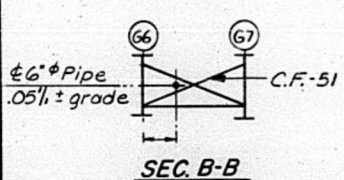
**SECTION AT PIER 4
DRAINAGE DETAILS**



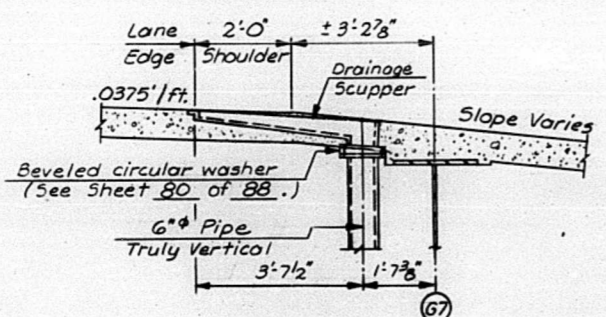
SEC. A-A



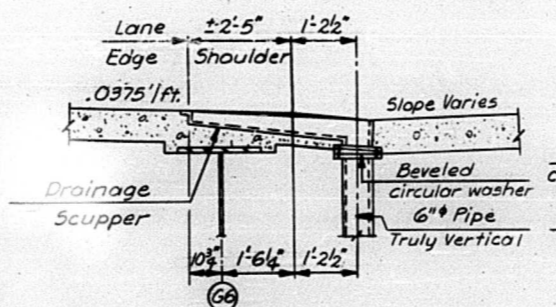
SECTION G-G



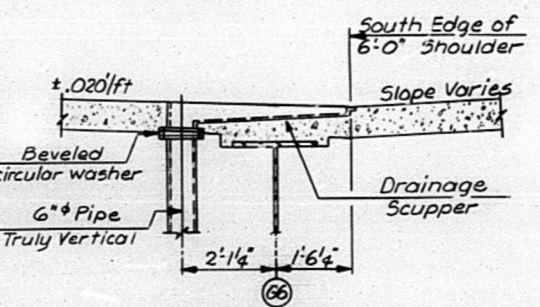
SEC. B-B



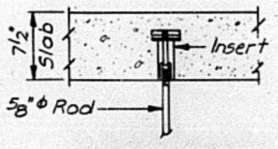
SECTION C-C



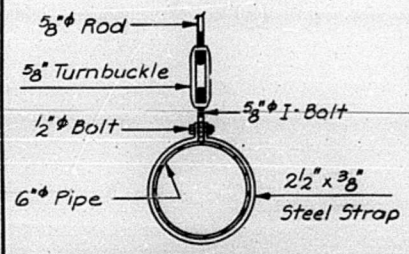
SECTION D-D



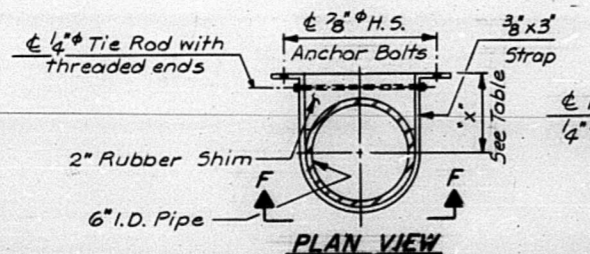
SECTION E-E



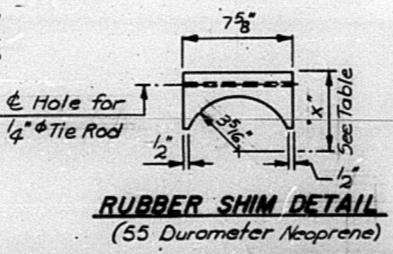
INSERT DETAIL



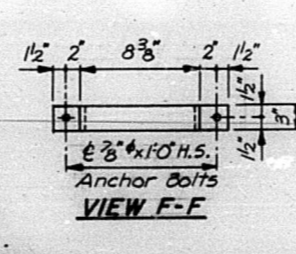
HANGER DETAIL



PLAN VIEW



**RUBBER SHIM DETAIL
(55 Durometer Neoprene)**



VIEW F-F

TABLE FOR DIMENSION 'X'

Strap	"x"
Type 1	1'-1"
Type 2	6"

NOTES

All structural steel shall meet the requirements of AASHTO M-183 unless otherwise shown.

All High Strength Bolts and Anchor Bolts shall meet the requirements of AASHTO M-168.

Broken Concrete Drainage Ditches shall be placed as directed by the Engineer.

All dimensions shown are measured horizontally.

Pay item Drainage System Complete shall include providing and installing 12 inch pipe, 6 inch pipe, saddles, elbows, tees, sleeves, inserts, hangers, straps, cleanouts, and all other necessary items to complete the underdeck drainage.

DRAINAGE SYSTEM SPANS 4 & 5

M^cCLUGAGE BRIDGE OVER THE ILLINOIS RIVER

F.A. ROUTE 49 SEC. 15B-1-2 PEORIA & TAZEWELL COUNTIES

DESIGNED BY	H.D.L.		74001
CHECKED BY	S.C.O.		
DATE	D.A.N.		
DATE	S.C.O.		

SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
49	(15B-1)	PEORIA & TAZEWELL	97	16
FED. ROAD DIST. NO. 1			PROJECT	
			Sheet 14 of 88	

STRINGER 4

STRINGER 5

STRINGER 6

SOUTH LONGITUDINAL
BONDED CONSTRUCTION JOINT

GIRDER 2

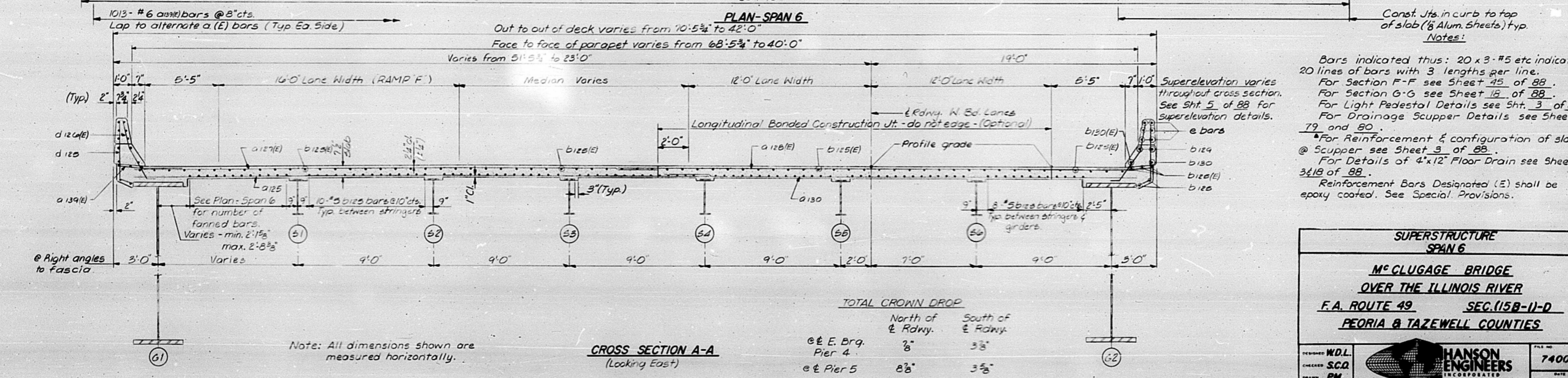
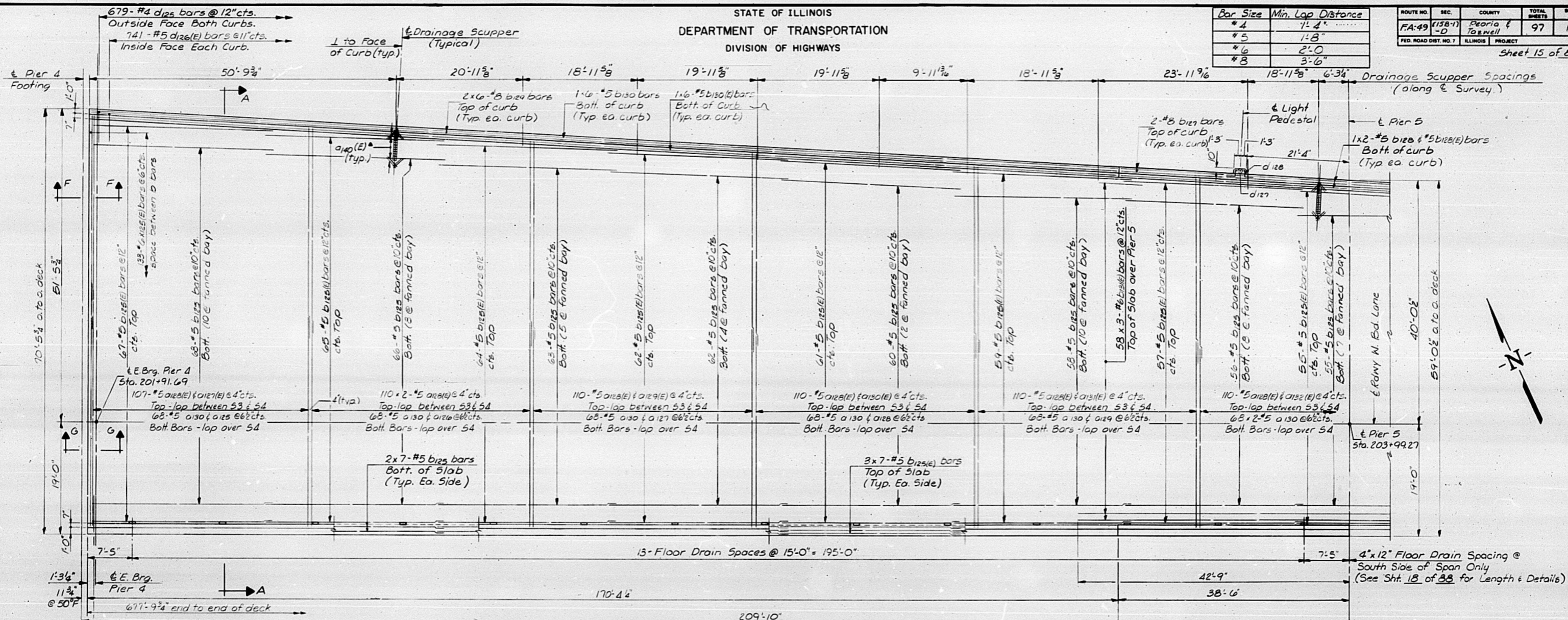
	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B
East Bearing Pier 4 a b c d e f g h i j k l m n o p q r s t	20191.690	499.091	499.117	20191.690	498.926	498.947	20191.690	498.761	498.772	20191.690	498.670	498.675	20191.690	498.590	498.590
	20201.273	499.017	499.084	20201.273	498.875	498.937	20201.273	498.732	498.783	20201.273	498.653	498.697	20201.273	498.590	498.628
	20211.273	499.961	499.070	20211.273	498.861	498.963	20211.273	498.731	498.821	20211.273	498.652	498.734	20211.273	498.569	498.645
	20221.273	499.906	499.045	20221.273	498.852	498.985	20221.273	498.731	498.853	20221.273	498.652	498.765	20221.273	498.569	498.676
	20231.273	499.851	499.018	20231.273	498.842	499.004	20231.273	498.731	498.862	20231.273	498.652	498.796	20231.273	498.569	498.707
	20241.273	499.796	498.983	20241.273	498.832	499.014	20241.273	498.731	498.903	20241.273	498.652	498.817	20241.273	498.569	498.726
	20251.273	499.741	498.946	20251.273	498.822	499.023	20251.273	498.731	498.922	20251.273	498.652	498.837	20251.273	498.569	498.748
	20261.273	499.686	498.900	20261.273	498.812	499.022	20261.273	498.731	498.932	20261.273	498.652	498.846	20261.273	498.569	498.758
	20271.273	499.631	498.867	20271.273	498.802	499.024	20271.273	498.731	498.938	20271.273	498.652	498.852	20271.273	498.569	498.764
	20281.273	499.576	498.834	20281.273	498.792	499.021	20281.273	498.731	498.934	20281.273	498.652	498.849	20281.273	498.569	498.771
	20291.273	499.521	498.801	20291.273	498.782	499.015	20291.273	498.731	498.928	20291.273	498.652	498.843	20291.273	498.569	498.784
	20301.273	499.466	498.768	20301.273	498.772	499.004	20301.273	498.731	498.917	20301.273	498.652	498.831	20301.273	498.569	498.791
20311.273	499.411	498.735	20311.273	498.762	498.988	20311.273	498.731	498.901	20311.273	498.652	498.814	20311.273	498.569	498.742	
20321.273	499.356	498.702	20321.273	498.752	498.967	20321.273	498.731	498.888	20321.273	498.652	498.794	20321.273	498.569	498.726	
20331.273	499.301	498.669	20331.273	498.742	498.944	20331.273	498.731	498.880	20331.273	498.652	498.771	20331.273	498.569	498.706	
20341.273	499.246	498.636	20341.273	498.732	498.921	20341.273	498.731	498.857	20341.273	498.652	498.748	20341.273	498.569	498.683	
20351.273	499.191	498.603	20351.273	498.722	498.896	20351.273	498.731	498.833	20351.273	498.652	498.724	20351.273	498.569	498.660	
20361.273	499.136	498.570	20361.273	498.712	498.874	20361.273	498.731	498.810	20361.273	498.652	498.703	20361.273	498.569	498.636	
20371.273	499.081	498.537	20371.273	498.702	498.852	20371.273	498.731	498.789	20371.273	498.652	498.687	20371.273	498.569	498.615	
20381.273	499.026	498.504	20381.273	498.692	498.830	20381.273	498.731	498.772	20381.273	498.652	498.672	20381.273	498.569	498.595	
20391.273	498.971	498.471	20391.273	498.682	498.808	20391.273	498.731	498.758	20391.273	498.652	498.672	20391.273	498.569	498.564	
20399.273	498.916	498.438	20399.273	498.672	498.786	20399.273	498.731	498.749	20399.273	498.652	498.664	20399.273	498.569	498.545	
20409.273	498.861	498.405	20409.273	498.662	498.764	20409.273	498.731	498.743	20409.273	498.652	498.657	20409.273	498.569	498.526	
20419.273	498.806	498.372	20419.273	498.652	498.742	20419.273	498.731	498.746	20419.273	498.652	498.661	20419.273	498.569	498.501	
20429.273	498.751	498.340	20429.273	498.642	498.720	20429.273	498.731	498.750	20429.273	498.652	498.664	20429.273	498.569	498.476	
20439.273	498.696	498.307	20439.273	498.632	498.698	20439.273	498.731	498.758	20439.273	498.652	498.672	20439.273	498.569	498.451	
20449.273	498.641	498.275	20449.273	498.622	498.676	20449.273	498.731	498.766	20449.273	498.652	498.688	20449.273	498.569	498.426	
20459.273	498.586	498.242	20459.273	498.612	498.654	20459.273	498.731	498.768	20459.273	498.652	498.703	20459.273	498.569	498.401	
20469.273	498.531	498.210	20469.273	498.602	498.632	20469.273	498.731	498.776	20469.273	498.652	498.725	20469.273	498.569	498.376	
20479.273	498.476	498.178	20479.273	498.592	498.610	20479.273	498.731	498.784	20479.273	498.652	498.748	20479.273	498.569	498.351	
20489.273	498.421	498.146	20489.273	498.582	498.588	20489.273	498.731	498.792	20489.273	498.652	498.772	20489.273	498.569	498.326	
20499.273	498.366	498.114	20499.273	498.572	498.566	20499.273	498.731	498.800	20499.273	498.652	498.794	20499.273	498.569	498.301	
20509.273	498.311	498.082	20509.273	498.562	498.544	20509.273	498.731	498.808	20509.273	498.652	498.817	20509.273	498.569	498.276	
20519.273	498.256	498.050	20519.273	498.552	498.522	20519.273	498.731	498.816	20519.273	498.652	498.831	20519.273	498.569	498.251	
20529.273	498.201	498.018	20529.273	498.542	498.500	20529.273	498.731	498.824	20529.273	498.652	498.841	20529.273	498.569	498.226	
20539.273	498.146	497.986	20539.273	498.532	498.478	20539.273	498.731	498.832	20539.273	498.652	498.851	20539.273	498.569	498.201	
20549.273	498.091	497.954	20549.273	498.522	498.456	20549.273	498.731	498.840	20549.273	498.652	498.865	20549.273	498.569	498.176	
20559.273	498.036	497.922	20559.273	498.512	498.434	20559.273	498.731	498.848	20559.273	498.652	498.879	20559.273	498.569	498.151	
20569.273	497.981	497.890	20569.273	498.502	498.412	20569.273	498.731	498.856	20569.273	498.652	498.893	20569.273	498.569	498.126	
20579.273	497.926	497.858	20579.273	498.492	498.390	20579.273	498.731	498.864	20579.273	498.652	498.907	20579.273	498.569	498.101	
20589.273	497.871	497.826	20589.273	498.482	498.368	20589.273	498.731	498.872	20589.273	498.652	498.921	20589.273	498.569	498.076	
20599.273	497.816	497.794	20599.273	498.472	498.346	20599.273	498.731	498.880	20599.273	498.652	498.935	20599.273	498.569	498.051	
20609.273	497.761	497.762	20609.273	498.462	498.324	20609.273	498.731	498.888	20609.273	498.652	498.949	20609.273	498.569	498.026	
20619.273	497.706	497.734	20619.273	498.452	498.302	20619.273	498.731	498.896	20619.273	498.652	498.963	20619.273	498.569	498.001	
20629.273	497.651	497.702	20629.273	498.442	498.280	20629.273	498.731	498.904	20629.273	498.652	498.977	20629.273	498.569	497.976	
20639.273	497.596	497.674	20639.273	498.432	498.258	20639.273	498.731	498.912	20639.273	498.652	498.991	20639.273	498.569	497.951	
20649.273	497.541	497.642	20649.273	498.422	498.236	20649.273	498.731	498.920	20649.273	498.652	499.005	20649.273	498.569	497.926	
20659.273	497.486	497.610	20659.273	498.412	498.214	20659.273	498.731	498.928	20659.273	498.652	499.019	20659.273	498.569	497.901	
20669.273	497.431	497.578	20669.273	498.402	498.192	20669.273	498.731	498.936	20669.273	498.652	499.033	20669.273	498.569	497.876	
20679.273	497.376	497.546	20679.273	498.392	498.170	20679.273	498.731	498.944	20679.273	498.652	499.047	20679.273	498.569	497.851	
20689.273	497.321	497.514	20689.273	498.382	498.148	20689.273	498.731	498.952	20689.273	498.652	499.061	20689.273	498.569	497.826	
20699.273	497.266	497.482	20699.273	498.372	498.126	20699.273	498.731	498.960	20699.273	498.652	499.075	20699.273	498.569	497.801	
20709.273	497.211	497.450	20709.273	498.362	498.104	20709.273	498.731	498.968	20709.273	498.652	499.089	20709.273	498.569	497.776	
20719.273	497.156	497.418	20719.273	498.352	498.082	20719.273	498.731	498.976	20719.273	498.652	499.103	20719.273	498.569	497.751	
20729.273	497.101	497.386	20729.273	498.342	498.060	20729.273	498.731	498.984	20729.273	498.652	499.117	20729.273</			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Bar Size	Min. Lap Distance
#4	1'-4"
#5	1'-8"
#6	2'-0"
#8	3'-6"

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA-49	(15B-11)-D	Peoria & Tazewell	97	17

Sheet 15 of 88



Notes:
 Bars indicated thus: 20 x 3-#5 etc indicates 20 lines of bars with 3 lengths per line.
 For Section F-F see Sheet 45 of 88.
 For Section G-G see Sheet 16 of 88.
 For Light Pedestal Details see Sht. 3 of 88.
 For Drainage Scupper Details see Sheets 79 and 80.
 For Reinforcement & configuration of slab @ Scupper see Sheet 3 of 88.
 For Details of 4"x12" Floor Drain see Sheet 3 & 18 of 88.
 Reinforcement Bars Designated (E) shall be epoxy coated. See Special Provisions.

SUPERSTRUCTURE SPAN 6

M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC.(15B-11-D)
PEORIA & TAZEWELL COUNTIES

DESIGNED: W.D.L.
 CHECKED: S.C.A.
 DRAWN: P.M.
 CHECKED: W.D.L.

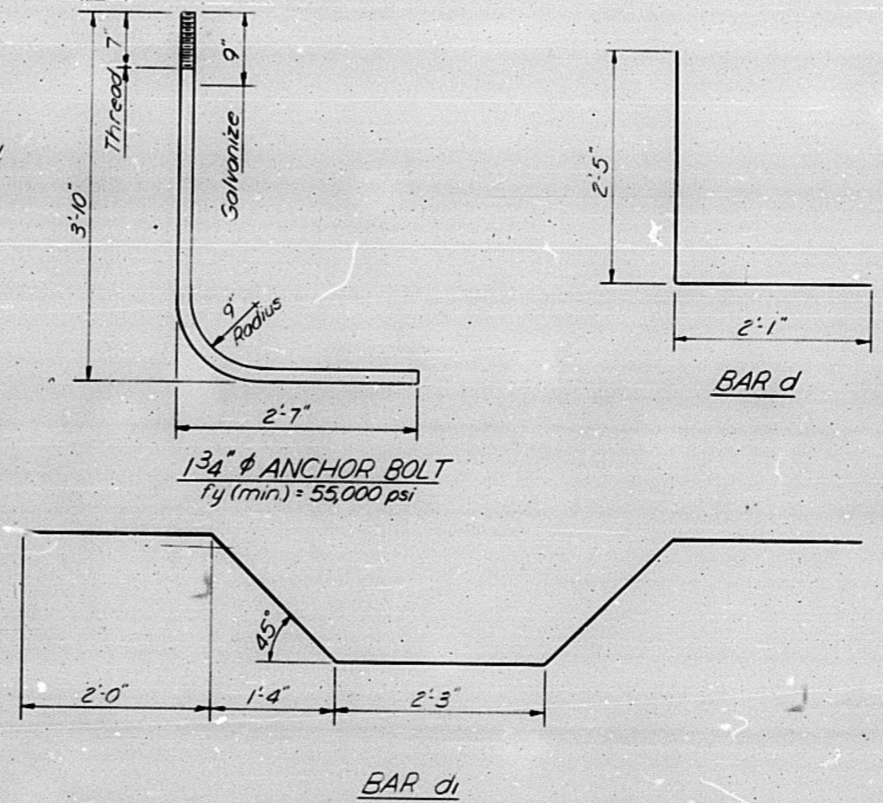
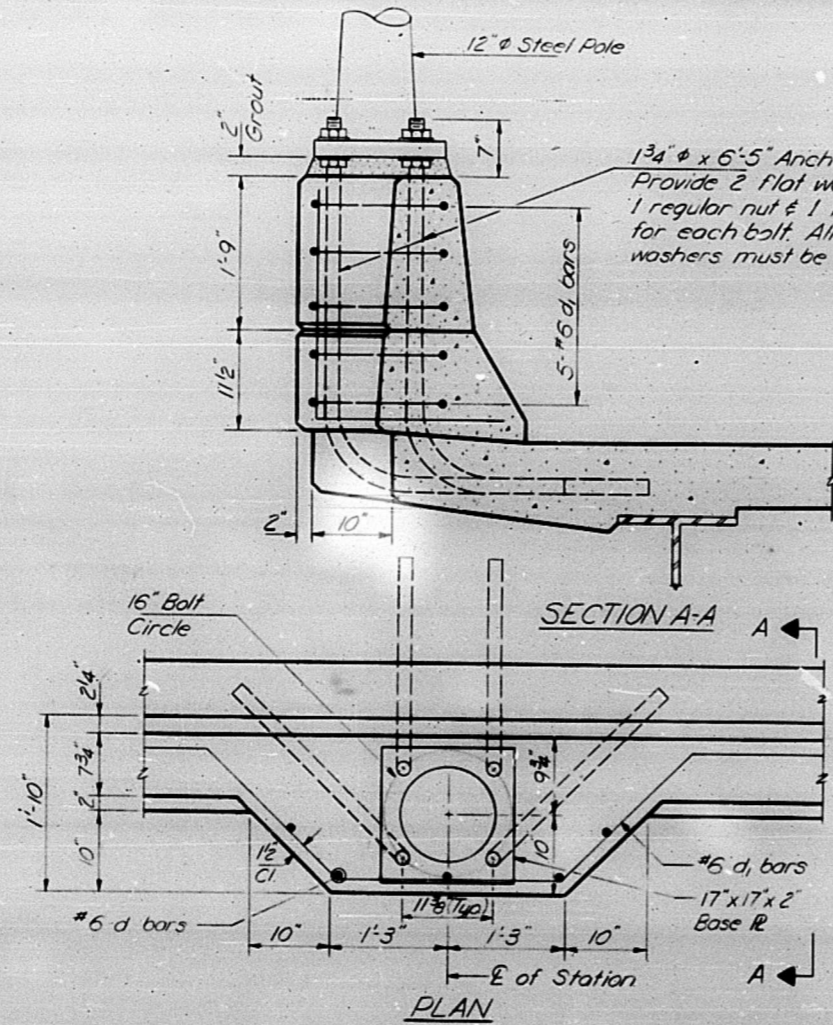
HANSON ENGINEERS INCORPORATED
 SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

FILE NO: 74001
 DATE: 8-22-80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	DESIGNER	TOTAL SHEETS	SHEET NO.	SHEET NO. 16-1 88 SHEETS
49	15B-1-D	George Tozwell	97	18-1	
DES. ROAD DIST. NO. 1	DATE	DES. NO. PROJECT			

Note: Grout Mixture shall consist of 1 part sand, 1 part cement & 1 part chips (pea gravel). The grout shall contain water for a 1" slump, cast incidental to pole.



DESIGNED <i>Richard L. ...</i>	EXAMINED	19
CHECKED <i>L. ...</i>	PASSED	
DRAWN <i>L. ...</i>	APPROVED	
CHECKED <i>...</i>		

AS REVISED

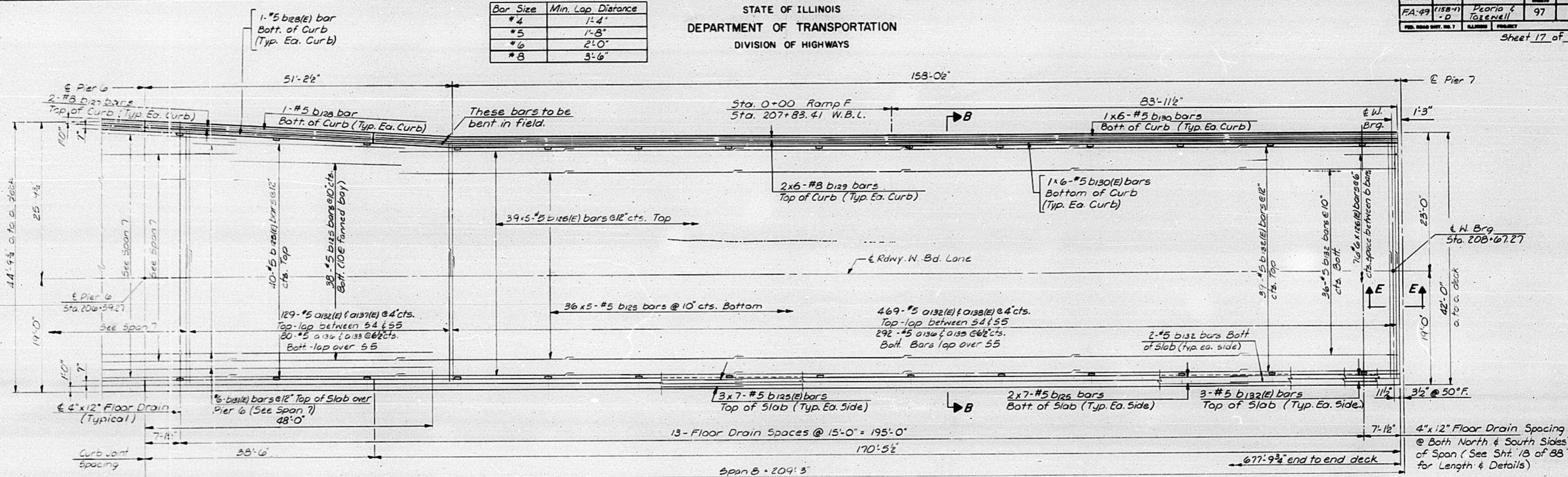
LOCATIONS (2 FOUNDATIONS @ EACH STATION)
Station 206+00 West Bound
Station 213+00 West Bound
Station 230+60 West Bound

SIGN POST MOUNT DETAILS
MCCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC (15B-1)-D
PEORIA & TAZEWELL COUNTIES

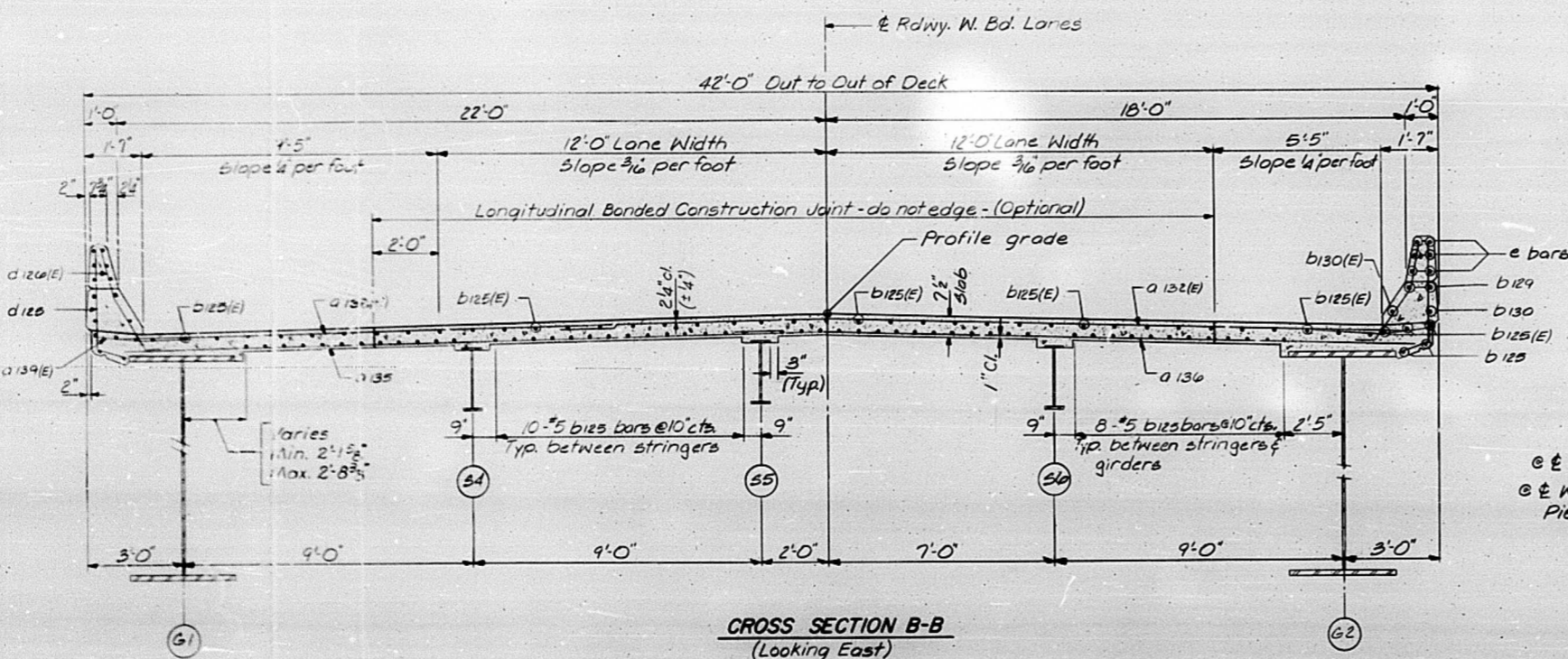
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA-49	(158-1)-D	Peoria & Tazewell	97	19
FED. ROAD DIST. NO. 1	ILLINOIS PROJECT	Sheet 17 of 88		

Bar Size	Min. Lap Distance
#4	1'-4"
#5	1'-8"
#6	2'-0"
#8	3'-6"



PLAN-SPAN 8



CROSS SECTION B-B
(Looking East)

SUPERSTRUCTURE SPAN 8
M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (158-1)-D
PEORIA & TAZEWELL COUNTIES

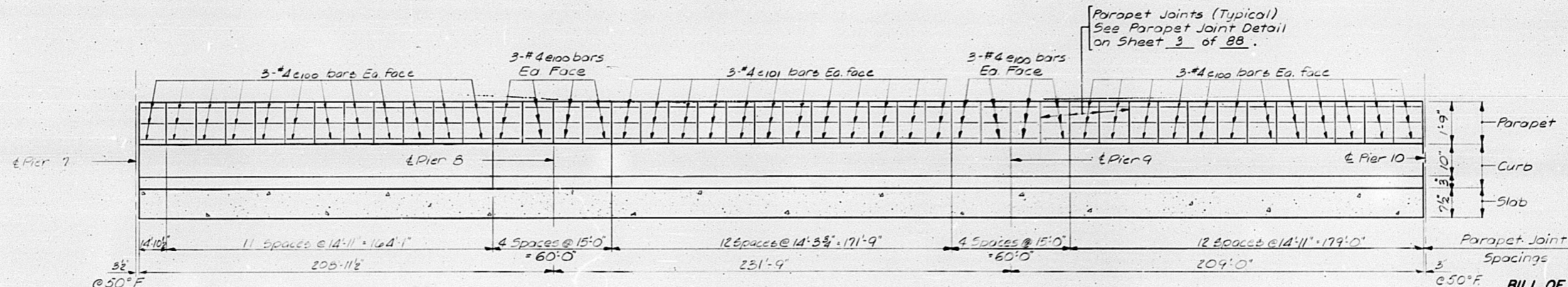
DESIGNED W.D.L.		FILE NO.
CHECKED S.C.Q.		74001
DRAWN P.M.		DATE
CHECKED W.D.L.		8-22-80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA-49 (15B-1)-D		PEORIA & TAZEWELL	97	22
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Sheet 20 of 80

	GIRDER 1			STRINGER 1			STRINGER 2			STRINGER 3			GIRDER 2		
	STATION	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION	STATION	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION	STATION	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION	STATION	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION	STATION	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
East Bearing Pier 7	208+69.770	498.486	498.486	208+69.770	498.668	498.668	208+69.770	498.809	498.809	208+69.770	498.731	498.731	208+69.770	498.569	498.569
a	208+79.770	498.486	498.523	208+79.770	498.668	498.705	208+79.770	498.809	498.845	208+79.770	498.731	498.767	208+79.770	498.569	498.606
b	208+89.770	498.486	498.559	208+89.770	498.668	498.742	208+89.770	498.809	498.882	208+89.770	498.731	498.804	208+89.770	498.569	498.643
c	208+99.770	498.486	498.596	208+99.770	498.668	498.778	208+99.770	498.809	498.919	208+99.770	498.731	498.841	208+99.770	498.569	498.679
d	209+09.770	498.486	498.633	209+09.770	498.668	498.815	209+09.770	498.809	498.956	209+09.770	498.731	498.877	209+09.770	498.569	498.716
e	209+19.770	498.486	498.669	209+19.770	498.668	498.852	209+19.770	498.809	498.992	209+19.770	498.731	498.914	209+19.770	498.569	498.753
f	209+29.770	498.486	498.682	209+29.770	498.668	498.864	209+29.770	498.809	499.012	209+29.770	498.731	498.927	209+29.770	498.569	498.766
g	209+39.770	498.486	498.689	209+39.770	498.668	498.871	209+39.770	498.809	499.019	209+39.770	498.731	498.934	209+39.770	498.569	498.772
h	209+49.770	498.486	498.696	209+49.770	498.668	498.878	209+49.770	498.809	499.026	209+49.770	498.731	498.941	209+49.770	498.569	498.779
i	209+59.770	498.486	498.703	209+59.770	498.668	498.885	209+59.770	498.809	499.033	209+59.770	498.731	498.948	209+59.770	498.569	498.786
j	209+69.770	498.486	498.710	209+69.770	498.668	498.892	209+69.770	498.809	499.040	209+69.770	498.731	498.955	209+69.770	498.569	498.793
k	209+79.770	498.486	498.699	209+79.770	498.668	498.881	209+79.770	498.809	499.022	209+79.770	498.731	498.944	209+79.770	498.569	498.782
l	209+89.770	498.486	498.677	209+89.770	498.668	498.859	209+89.770	498.809	499.000	209+89.770	498.731	498.922	209+89.770	498.569	498.760
m	209+99.770	498.486	498.655	209+99.770	498.668	498.837	209+99.770	498.809	498.978	209+99.770	498.731	498.899	209+99.770	498.569	498.738
n	210+09.770	498.486	498.632	210+09.770	498.668	498.815	210+09.770	498.809	498.955	210+09.770	498.731	498.877	210+09.770	498.569	498.716
o	210+13.770	498.486	498.610	210+13.770	498.668	498.792	210+13.770	498.809	498.933	210+13.770	498.731	498.855	210+13.770	498.569	498.693
p	210+29.770	498.486	498.588	210+29.770	498.668	498.770	210+29.770	498.809	498.911	210+29.770	498.731	498.833	210+29.770	498.569	498.671
q	210+39.770	498.486	498.567	210+39.770	498.668	498.749	210+39.770	498.809	498.890	210+39.770	498.731	498.812	210+39.770	498.569	498.650
r	210+49.770	498.486	498.546	210+49.770	498.668	498.728	210+49.770	498.809	498.868	210+49.770	498.731	498.790	210+49.770	498.569	498.629
s	210+59.770	498.486	498.524	210+59.770	498.668	498.706	210+59.770	498.809	498.847	210+59.770	498.731	498.769	210+59.770	498.569	498.608
t	210+69.770	498.486	498.503	210+69.770	498.668	498.685	210+69.770	498.809	498.826	210+69.770	498.731	498.748	210+69.770	498.569	498.586
Bearing Pier 8	210+77.770	498.486	498.486	210+77.770	498.668	498.668	210+77.770	498.809	498.809	210+77.770	498.731	498.731	210+77.770	498.569	498.569
u	210+87.770	498.486	498.486	210+87.770	498.668	498.668	210+87.770	498.809	498.809	210+87.770	498.731	498.731	210+87.770	498.569	498.569
v	210+97.770	498.486	498.486	210+97.770	498.668	498.668	210+97.770	498.809	498.809	210+97.770	498.731	498.731	210+97.770	498.569	498.570
w	211+07.770	498.486	498.487	211+07.770	498.668	498.669	211+07.770	498.809	498.810	211+07.770	498.731	498.731	211+07.770	498.569	498.570
x	211+17.770	498.486	498.487	211+17.770	498.668	498.669	211+17.770	498.809	498.810	211+17.770	498.731	498.732	211+17.770	498.569	498.570
y	211+27.770	498.486	498.487	211+27.770	498.668	498.670	211+27.770	498.809	498.810	211+27.770	498.731	498.732	211+27.770	498.569	498.571
z	211+37.770	498.486	498.489	211+37.770	498.668	498.671	211+37.770	498.809	498.812	211+37.770	498.731	498.734	211+37.770	498.569	498.572
aa	211+47.770	498.486	498.496	211+47.770	498.668	498.679	211+47.770	498.809	498.819	211+47.770	498.731	498.741	211+47.770	498.569	498.580
ab	211+57.770	498.486	498.504	211+57.770	498.668	498.686	211+57.770	498.809	498.827	211+57.770	498.731	498.748	211+57.770	498.569	498.587
ac	211+67.770	498.486	498.511	211+67.770	498.668	498.693	211+67.770	498.809	498.834	211+67.770	498.731	498.756	211+67.770	498.569	498.594
ad	211+77.770	498.486	498.518	211+77.770	498.668	498.701	211+77.770	498.809	498.841	211+77.770	498.731	498.763	211+77.770	498.569	498.602
ae	211+87.770	498.486	498.526	211+87.770	498.668	498.708	211+87.770	498.809	498.849	211+87.770	498.731	498.770	211+87.770	498.569	498.609
af	211+97.770	498.486	498.527	211+97.770	498.668	498.709	211+97.770	498.809	498.850	211+97.770	498.731	498.772	211+97.770	498.569	498.610
ag	212+07.770	498.499	498.533	212+07.770	498.681	498.715	212+07.770	498.822	498.855	212+07.770	498.743	498.777	212+07.770	498.582	498.616
ah	212+17.770	498.519	498.546	212+17.770	498.702	498.728	212+17.770	498.842	498.869	212+17.770	498.764	498.791	212+17.770	498.603	498.629
ai	212+27.770	498.550	498.569	212+27.770	498.732	498.758	212+27.770	498.873	498.892	212+27.770	498.795	498.814	212+27.770	498.634	498.653
aj	212+37.770	498.591	498.602	212+37.770	498.773	498.785	212+37.770	498.913	498.925	212+37.770	498.835	498.847	212+37.770	498.664	498.686
ak	212+47.770	498.641	498.645	212+47.770	498.823	498.827	212+47.770	498.964	498.968	212+47.770	498.886	498.890	212+47.770	498.693	498.729
al	212+57.770	498.701	498.702	212+57.770	498.883	498.885	212+57.770	499.024	499.025	212+57.770	498.946	498.947	212+57.770	498.724	498.729
am	212+67.770	498.771	498.772	212+67.770	498.953	498.954	212+67.770	499.093	499.095	212+67.770	499.015	499.017	212+67.770	498.784	498.786
an	212+77.770	498.850	498.851	212+77.770	499.033	499.033	212+77.770	499.173	499.174	212+77.770	499.095	499.096	212+77.770	498.854	498.855
ao	212+87.770	498.940	498.940	212+87.770	499.122	499.123	212+87.770	499.263	499.263	212+87.770	499.184	499.185	212+87.770	498.934	498.934
ap	212+97.770	499.039	499.039	212+97.770	499.221	499.222	212+97.770	499.362	499.362	212+97.770	499.284	499.284	212+97.770	499.023	499.024
Bearing Pier 9	213+09.520	499.168	499.168	213+09.520	499.350	499.350	213+09.520	499.491	499.491	213+09.520	499.413	499.413	213+09.520	499.251	499.251
aq	213+19.520	499.289	499.310	213+19.520	499.471	499.492	213+19.520	499.612	499.633	213+19.520	499.533	499.555	213+19.520	499.372	499.393
ar	213+29.520	499.419	499.461	213+29.520	499.551	499.592	213+29.520	499.742	499.784	213+29.520	499.654	499.706	213+29.520	499.502	499.545
as	213+39.520	499.559	499.623	213+39.520	499.631	499.684	213+39.520	499.882	499.946	213+39.520	499.804	499.868	213+39.520	499.633	499.706
at	213+49.520	499.709	499.794	213+49.520	499.742	499.805	213+49.520	500.032	500.117	213+49.520	499.954	500.039	213+49.520	499.793	499.877
au	213+59.520	499.869	499.975	213+59.520	499.892	499.976	213+59.520	500.192	500.298	213+59.520	500.114	500.220	213+59.520	499.952	500.058
av	213+69.520	500.039	500.167	213+69.520	500.051	500.157	213+69.520	500.362	500.489	213+69.520	500.263	500.411	213+69.520	500.122	500.250
aw	213+79.520	500.218	500.368	213+79.520	500.221	500.349	213+79.520	500.541	500.691	213+79.520	500.463	500.613	213+79.520	500.301	500.451
ax	213+89.520	500.407	500.579	213+89.520	50										

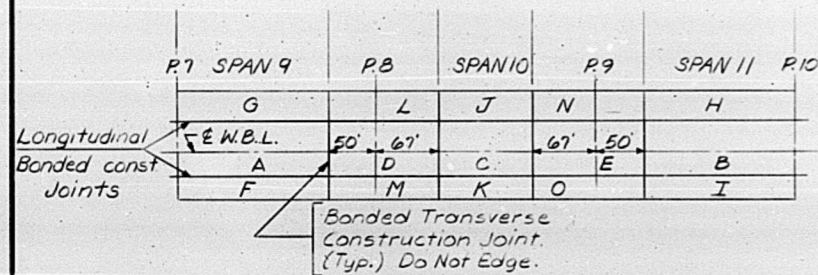


ELEVATION - CURB & PARAPET

Note: All dimensions shown are measured horizontally.

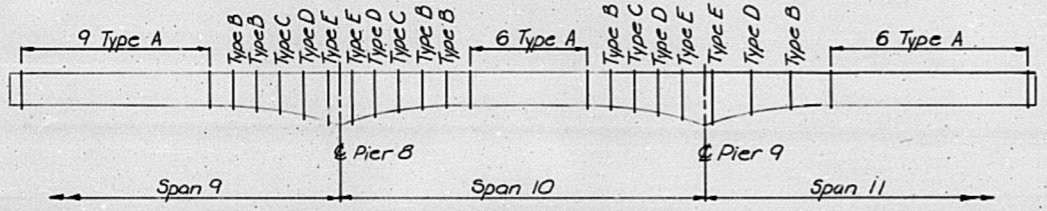
**BILL OF MATERIAL
SPANS 9, 10 & 11**

BAR	NO.	BAR	NO.	SIZE	LENGTH	SHAPE
-	-	a101	1198	#5	12'-0"	-
-	-	a102	1198	#5	30'-0"	-
a103(E)	969	-	-	#6	4'-0"	-
a104(E)	48	-	-	#5	2'-0"	-
a105(E)	1939	-	-	#5	25'-9"	-
a106(E)	1939	-	-	#5	16'-9"	-
b100(E)	1035	b100	1012	#5	29'-8"	-
b101(E)	252	-	-	#6	30'-11"	-
b102(E)	28	b102	28	#5	27'-0"	-
b103(E)	20	b103	20	#5	29'-10"	-
-	-	b105	48	#8	32'-8"	-
-	-	b106	20	#8	37'-0"	-
-	-	b107	16	#8	29'-9"	-
-	-	d100	1300	#4	4'-6"	-
d101(E)	1418	-	-	#5	3'-11"	-
-	-	d102	9	#6	4'-5"	-
-	-	d103	15	#6	8'-11"	-
x100(E)	152	-	-	#6	4'-9"	-
-	-	e100	384	#4	14'-8"	-
-	-	e101	144	#4	14'-1"	-



Note: The concrete floor slab shall be poured in one continuous operation between construction joints. The pouring shall be done in the following order: 1) A-B 2) C 3) F-G 4) H-I 5) J-K 6) D-E 7) L-M 8) N-O. DLM & ENO must not be poured before AFG, BHI & CJK. If the area C is not poured on the same day as A and B, then there should be a seven (7) day time lapse between pours.

SLAB POURING SEQUENCE



**ELEVATION
4" x 12" FLOOR DRAIN DOWNSPOUTS**

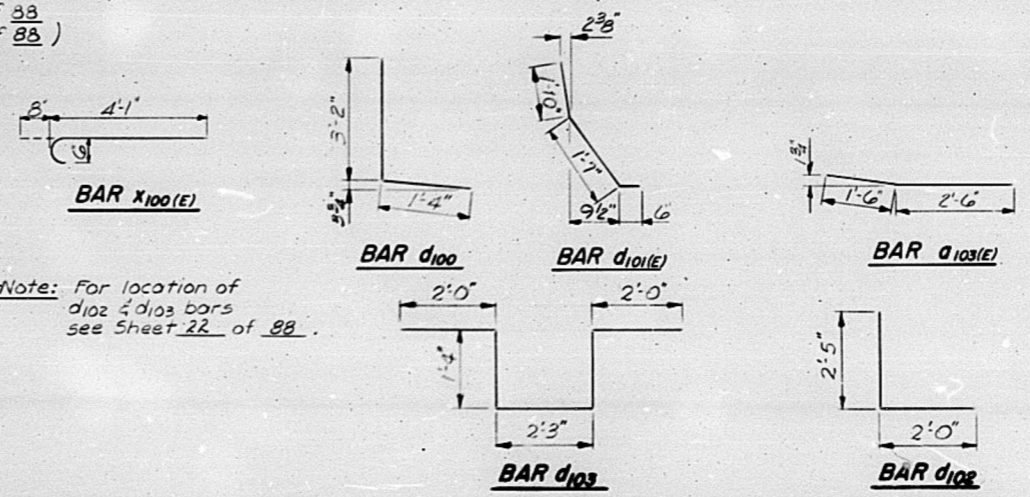
Note: See Slab Plan for spacing of 4" x 12" Floor Drains.
Note: Drains shall be located along both N & S curbs and clear of all diaphragms, floor beams, lateral bracing & Drainage Scuppers.

Two braces required for 4x12" floor drain downspouts. See sht. 18 of 88 for location of braces

4" x 12" FLOOR DRAIN DOWNSPOUT LENGTHS (SPANS 9, 10 & 11)

Type	Length	No.
A	10'-9"	42
B	11'-2"	12
C	12'-5"	6
D	14'-1"	8
E	16'-9"	8

Note: For location of d102 & d103 bars see Sheet 22 of 88.



SECTION E-E

* At 50°F Joint openings shall be adjusted in accordance with Article 503.07 (c) of the Standard Specifications if the deck is poured at an ambient temperature other than 50°F.

**SUPERSTRUCTURE DETAILS
SPANS 9, 10, & 11**
**M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-11)-D
PEORIA & TAZEWELL COUNTIES**

DESIGNED S.C.O.		FILE NO.	74001
CHECKED W.O.L.		DATE	8-22-80
DRAWN D.A.N.			
CHECKED C.R.N.			

SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

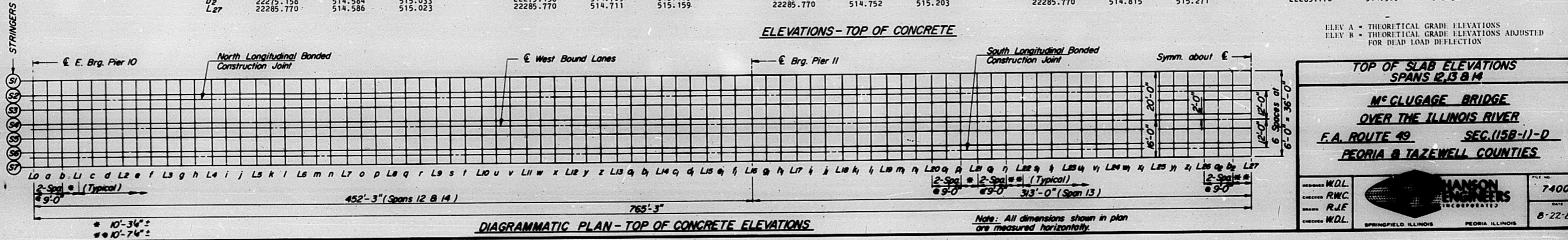
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

STRINGER 1 **STRINGER 2** **NORTH LONGITUDINAL BONDED CONSTRUCTION JOINT** **STRINGER 3** **STRINGER 4**

STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B
21520.520	503.076	503.083	21520.520	503.201	503.219	21520.520	503.242	503.263	21520.520	503.305	503.331	21520.520	503.399	503.427
21529.520	503.259	503.266	21529.520	503.384	503.437	21529.520	503.425	503.481	21529.520	503.488	503.549	21529.520	503.582	503.645
21538.520	503.443	503.507	21538.520	503.568	503.643	21538.520	503.609	503.687	21538.520	503.672	503.755	21538.520	503.766	503.851
21548.786	503.652	503.724	21548.786	503.777	503.860	21548.786	503.818	503.904	21548.786	503.881	503.972	21548.786	503.975	504.068
21557.786	503.836	503.939	21557.786	503.961	504.075	21557.786	504.002	504.119	21557.786	504.065	504.183	21557.786	504.159	504.283
21566.786	504.020	504.142	21566.786	504.145	504.278	21566.786	504.186	504.322	21566.786	504.249	504.390	21566.786	504.343	504.486
21577.051	504.219	504.355	21577.051	504.354	504.491	21577.051	504.395	504.535	21577.051	504.458	504.603	21577.051	504.552	504.699
21586.051	504.413	504.568	21586.051	504.538	504.704	21586.051	504.579	504.748	21586.051	504.642	504.816	21586.051	504.912	505.051
21595.051	504.596	504.770	21595.051	504.721	504.906	21595.051	504.762	504.950	21595.051	505.025	505.230	21595.051	505.114	505.326
21605.317	504.806	504.982	21605.317	504.931	505.118	21605.317	504.972	505.152	21605.317	505.035	505.230	21605.317	505.312	505.535
21614.317	504.989	505.191	21614.317	505.114	505.327	21614.317	505.155	505.339	21614.317	505.051	505.230	21614.317	505.496	505.733
21623.317	505.173	505.389	21623.317	505.298	505.525	21623.317	505.339	505.569	21623.317	505.155	505.339	21623.317	505.705	505.940
21633.582	505.382	505.596	21633.582	505.507	505.732	21633.582	505.548	505.776	21633.582	505.339	505.569	21633.582	505.889	506.147
21642.582	505.566	505.803	21642.582	505.691	505.939	21642.582	505.732	505.983	21642.582	505.569	505.833	21642.582	506.072	506.341
21651.582	505.749	505.997	21651.582	505.874	506.133	21651.582	505.915	506.177	21651.582	505.795	506.051	21651.582	506.245	506.545
21661.848	505.959	506.201	21661.848	506.084	506.337	21661.848	506.125	506.381	21661.848	505.915	506.177	21661.848	506.449	506.744
21670.848	506.142	506.400	21670.848	506.267	506.536	21670.848	506.308	506.580	21670.848	506.072	506.341	21670.848	506.545	506.858
21679.848	506.326	506.588	21679.848	506.451	506.724	21679.848	506.492	506.768	21679.848	506.381	506.649	21679.848	506.649	506.932
21690.114	506.535	506.783	21690.114	506.660	506.919	21690.114	506.701	506.963	21690.114	506.580	506.858	21690.114	506.744	507.027
21699.114	506.719	506.980	21699.114	506.844	507.116	21699.114	506.885	507.160	21699.114	506.768	507.031	21699.114	507.027	507.324
21708.114	506.903	507.164	21708.114	507.028	507.300	21708.114	507.069	507.344	21708.114	506.948	507.228	21708.114	507.226	507.508
21718.379	507.112	507.356	21718.379	507.237	507.492	21718.379	507.278	507.536	21718.379	507.160	507.428	21718.379	507.412	507.700
21727.379	507.296	507.549	21727.379	507.421	507.685	21727.379	507.462	507.729	21727.379	507.031	507.304	21727.379	507.619	507.893
21736.379	507.479	507.729	21736.379	507.604	507.865	21736.379	507.645	507.909	21736.379	507.525	507.797	21736.379	507.802	508.073
21746.645	507.689	507.917	21746.645	507.814	508.053	21746.645	507.855	508.097	21746.645	507.408	507.680	21746.645	508.012	508.261
21755.645	507.872	508.106	21755.645	507.997	508.242	21755.645	508.038	508.286	21755.645	507.286	507.558	21755.645	508.195	508.450
21764.645	508.056	508.283	21764.645	508.181	508.419	21764.645	508.222	508.466	21764.645	508.101	508.354	21764.645	508.627	508.880
21774.910	508.265	508.466	21774.910	508.390	508.602	21774.910	508.431	508.686	21774.910	508.285	508.531	21774.910	508.714	508.970
21783.910	508.449	508.653	21783.910	508.574	508.789	21783.910	508.615	508.833	21783.910	508.165	508.437	21783.910	508.880	509.142
21792.910	508.632	508.828	21792.910	508.757	508.964	21792.910	508.798	509.008	21792.910	508.048	508.322	21792.910	508.997	509.257
21803.176	508.842	509.009	21803.176	508.967	509.145	21803.176	509.008	509.189	21803.176	508.921	509.195	21803.176	509.172	509.435
21812.176	509.025	509.196	21812.176	509.150	509.322	21812.176	509.191	509.376	21812.176	508.801	509.076	21812.176	509.348	509.605
21821.176	509.209	509.370	21821.176	509.324	509.506	21821.176	509.365	509.550	21821.176	508.681	508.955	21821.176	509.532	509.799
21831.442	509.419	509.552	21831.442	509.544	509.688	21831.442	509.585	509.732	21831.442	508.561	508.835	21831.442	509.714	509.981
21840.442	509.602	509.737	21840.442	509.727	509.873	21840.442	509.768	509.917	21840.442	508.441	508.715	21840.442	509.896	510.163
21849.442	509.786	509.911	21849.442	509.911	510.047	21849.442	509.952	510.091	21849.442	508.321	508.595	21849.442	510.079	510.346
21859.707	509.995	510.091	21859.707	510.120	510.227	21859.707	510.161	510.271	21859.707	508.201	508.475	21859.707	510.261	510.528
21868.707	510.179	510.279	21868.707	510.304	510.415	21868.707	510.345	510.459	21868.707	508.081	508.355	21868.707	510.446	510.713
21877.707	510.362	510.455	21877.707	510.487	510.591	21877.707	510.528	510.635	21877.707	507.961	508.235	21877.707	510.621	510.888
21887.707	510.546	510.636	21887.707	510.616	510.722	21887.707	510.657	510.768	21887.707	507.841	508.115	21887.707	510.806	511.073
21896.973	510.731	510.822	21896.973	510.796	510.876	21896.973	510.837	510.947	21896.973	507.721	507.995	21896.973	510.991	511.258
21905.973	510.926	511.011	21905.973	511.051	511.127	21905.973	511.092	511.171	21905.973	507.601	507.875	21905.973	511.166	511.433
21916.238	511.122	511.161	21916.238	511.247	511.297	21916.238	511.288	511.341	21916.238	507.481	507.755	21916.238	511.350	511.617
21925.238	511.334	511.374	21925.238	511.413	511.470	21925.238	511.454	511.511	21925.238	507.361	507.635	21925.238	511.537	511.804
21934.238	511.521	511.561	21934.238	511.576	511.628	21934.238	511.617	511.672	21934.238	507.241	507.515	21934.238	511.621	511.888
21944.504	511.711	511.751	21944.504	511.756	511.784	21944.504	511.797	511.828	21944.504	507.121	507.395	21944.504	511.706	511.973
21953.504	511.901	511.941	21953.504	511.910	511.949	21953.504	511.951	511.993	21953.504	507.001	507.275	21953.504	511.791	520.058
21962.504	511.935	511.983	21962.504	512.060	512.098	21962.504	512.101	512.142	21962.504	506.881	507.155	21962.504	511.876	521.143

ELEVATIONS - TOP OF CONCRETE

ELEV. A = THEORETICAL GRADE ELEVATIONS
ELEV. B = THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION



TOP OF SLAB ELEVATIONS SPANS 12, 13 & 14
M^cGLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED BY	W.D.L.		74001
CHECKED BY	R.W.C.		
APPROVED BY	R.J.F.		
CHECKED BY	W.D.L.		

SPRINGFIELD ILLINOIS PEORIA ILLINOIS DATE 8-22-80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA-49	(58-1)	PEORIA & TAZEWELL	57	27
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

	STRINGER 5			STRINGER 6			SOUTH LONGITUDINAL BONDED CONSTRUCTION JOINT			STRINGER 7			
	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	
East Bearing Pier 10	L0	21520.520	503.368	503.394	21520.520	503.274	503.292	21520.520	503.242	503.256	21520.520	503.159	503.166
	a	21529.520	503.551	503.612	21529.520	503.457	503.510	21529.520	503.425	503.474	21529.520	503.342	503.384
	b	21538.520	503.735	503.818	21538.520	503.641	503.716	21538.520	503.609	503.680	21538.520	503.526	503.590
	L1	21548.786	503.944	504.035	21548.786	503.850	503.933	21548.786	503.818	503.897	21548.786	503.735	503.807
	c	21557.786	504.128	504.250	21557.786	504.034	504.138	21557.786	504.002	504.112	21557.786	503.919	504.022
	d	21566.786	504.312	504.453	21566.786	504.218	504.351	21566.786	504.186	504.315	21566.786	504.103	504.225
	L2	21577.051	504.521	504.666	21577.051	504.427	504.564	21577.051	504.395	504.528	21577.051	504.312	504.438
	e	21586.051	504.705	504.879	21586.051	504.611	504.777	21586.051	504.579	504.741	21586.051	504.496	504.651
	f	21595.051	504.888	505.081	21595.051	504.794	504.979	21595.051	504.762	504.943	21595.051	504.679	504.853
	L3	21605.317	505.098	505.293	21605.317	505.004	505.191	21605.317	504.972	505.155	21605.317	504.889	505.065
	g	21614.317	505.281	505.502	21614.317	505.187	505.400	21614.317	505.155	505.364	21614.317	505.072	505.274
	L4	21623.317	505.465	505.700	21623.317	505.371	505.598	21623.317	505.339	505.562	21623.317	505.256	505.472
	h	21633.582	505.674	505.907	21633.582	505.560	505.805	21633.582	505.548	505.769	21633.582	505.465	505.679
	i	21642.582	505.858	506.114	21642.582	505.764	506.012	21642.582	505.732	505.976	21642.582	505.649	505.886
	L5	21651.582	506.041	506.308	21651.582	505.947	506.206	21651.582	505.915	506.170	21651.582	505.832	506.080
	j	21661.848	506.251	506.512	21661.848	506.157	506.410	21661.848	506.125	506.374	21661.848	506.042	506.284
	k	21670.848	506.434	506.711	21670.848	506.340	506.609	21670.848	506.308	506.573	21670.848	506.225	506.483
	L6	21679.848	506.618	506.899	21679.848	506.524	506.797	21679.848	506.492	506.761	21679.848	506.409	506.671
	l	21690.114	506.827	507.094	21690.114	506.733	507.011	21690.114	506.701	506.956	21690.114	506.618	506.856
	m	21699.114	507.011	507.291	21699.114	506.917	507.189	21699.114	506.885	507.153	21699.114	506.802	507.063
	n	21708.114	507.195	507.475	21708.114	507.101	507.373	21708.114	507.069	507.337	21708.114	506.986	507.247
	L7	21718.379	507.404	507.667	21718.379	507.310	507.585	21718.379	507.278	507.529	21718.379	507.195	507.439
	o	21727.379	507.588	507.860	21727.379	507.494	507.758	21727.379	507.462	507.722	21727.379	507.379	507.632
	p	21736.379	507.771	508.040	21736.379	507.677	507.938	21736.379	507.645	507.902	21736.379	507.562	507.812
	L8	21746.645	507.981	508.228	21746.645	507.887	508.126	21746.645	507.855	508.090	21746.645	507.772	508.000
	q	21755.645	508.164	508.417	21755.645	508.070	508.315	21755.645	508.038	508.279	21755.645	507.955	508.189
	r	21764.645	508.348	508.594	21764.645	508.254	508.492	21764.645	508.222	508.456	21764.645	508.139	508.366
	L9	21774.910	508.557	508.777	21774.910	508.463	508.675	21774.910	508.431	508.639	21774.910	508.348	508.549
	s	21783.910	508.741	508.964	21783.910	508.647	508.862	21783.910	508.615	508.826	21783.910	508.532	508.736
	t	21792.910	508.924	509.139	21792.910	508.830	509.037	21792.910	508.798	509.001	21792.910	508.715	508.911
	L10	21803.176	509.134	509.320	21803.176	509.040	509.218	21803.176	509.008	509.182	21803.176	508.925	509.092
	u	21812.176	509.317	509.507	21812.176	509.223	509.405	21812.176	509.191	509.369	21812.176	509.108	509.279
	v	21821.176	509.501	509.681	21821.176	509.407	509.579	21821.176	509.375	509.545	21821.176	509.292	509.453
	L11	21831.442	509.711	509.863	21831.442	509.617	509.761	21831.442	509.585	509.725	21831.442	509.502	509.635
	w	21840.442	509.894	510.048	21840.442	509.800	509.946	21840.442	509.768	509.910	21840.442	509.685	509.820
	x	21849.442	510.078	510.222	21849.442	509.984	510.120	21849.442	509.952	510.084	21849.442	509.869	509.994
	L12	21859.707	510.287	510.402	21859.707	510.193	510.300	21859.707	510.161	510.264	21859.707	510.078	510.174
	y	21868.707	510.471	510.590	21868.707	510.377	510.488	21868.707	510.345	510.452	21868.707	510.262	510.362
	z	21877.707	510.654	510.766	21877.707	510.560	510.664	21877.707	510.528	510.628	21877.707	510.445	510.538
	L13	21887.973	510.863	510.947	21887.973	510.769	510.845	21887.973	510.737	510.809	21887.973	510.654	510.719
	aa	21896.973	511.043	511.133	21896.973	510.949	511.031	21896.973	510.917	510.995	21896.973	510.834	510.905
	ab	21905.973	511.218	511.302	21905.973	511.124	511.200	21905.973	511.092	511.164	21905.973	511.009	511.074
	ac	21914.238	511.417	511.472	21914.238	511.320	511.370	21914.238	511.288	511.334	21914.238	511.205	511.244
	L14	21924.238	511.580	511.645	21924.238	511.486	511.543	21924.238	511.454	511.507	21924.238	511.371	511.417
	ad	21934.238	511.743	511.803	21934.238	511.649	511.701	21934.238	511.617	511.665	21934.238	511.534	511.575
	ae	21944.504	511.923	511.959	21944.504	511.829	511.857	21944.504	511.797	511.821	21944.504	511.714	511.731
	L15	21953.504	512.077	512.124	21953.504	511.983	512.022	21953.504	511.951	511.986	21953.504	511.868	511.896
	af	21962.504	512.227	512.273	21962.504	512.133	512.171	21962.504	512.101	512.135	21962.504	512.018	512.045
Bearing Pier 11	L16	21972.770	512.393	512.419	21972.770	512.299	512.317	21972.770	512.267	512.281	21972.770	512.184	512.191
	ag	21981.770	512.534	512.581	21981.770	512.479	512.479	21981.770	512.408	512.443	21981.770	512.325	512.353
	ah	21990.770	512.670	512.728	21990.770	512.576	512.626	21990.770	512.544	512.590	21990.770	512.461	512.500
	L17	22001.036	512.821	512.871	22001.036	512.727	512.769	22001.036	512.695	512.733	22001.036	512.612	512.643
	ai	22010.036	512.949	513.024	22010.036	512.855	512.922	22010.036	512.823	512.886	22010.036	512.740	512.796
	L18	22019.036	513.073	513.160	22019.036	512.979	513.058	22019.036	512.947	513.022	22019.036	512.864	512.932
	aj	22029.301	513.209	513.292	22029.301	513.115	513.190	22029.301	513.083	513.154	22029.301	513.000	513.064
	L19	22038.301	513.325	513.434	22038.301	513.231	513.332	22038.301	513.199	513.296	22038.301	513.116	513.206
	ak	22047.301	513.435	513.566	22047.301	513.347	513.458	22047.301	513.309	513.422	22047.301	513.226	513.332
	L20	22057.567	513.557	513.680	22057.567	513.463	513.578	22057.567	513.431	513.542	22057.567	513.348	513.452
	al	22066.567	513.659	513.810	22066.567	513.565	513.708	22066.567	513.533	513.672	22066.567	513.450	513.582
	L21	22075.567	513.757	513.924	22075.567	513.663	513.822	22075.567	513.631	513.786	22075.567	513.548	513.696
	am	22085.832	513.864	514.030	22085.832	513.770	513.928	22085.832	513.738	513.892	22085.832	513.655	513.802
	L22	22094.832	513.953	514.152	22094.832	513.859	514.050	22094.832	513.827	514.014	22094.832	513.744	513.924
	an	22103.832	514.039	514.257	22103.832	513.945	514.155	22103.832	513.913	514.119	22103.832	513.830	514.029
	L23	22114.098	514.131	514.355	22114.098	514.037	514.253	22114.098	514.005	514.217	22114.098	513.922	514.127
	ao	22123.098	514.207	514.464	22123.098	514.113	514.362	22123.098	514.081	514.326	22123.098	513.998	514.236

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 49	(15B-11)-D	PEORIA & TAZEWELL	97	28
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	

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STRINGER 1

STRINGER 2

NORTH LONGITUDINAL
BONDED CONSTRUCTION JOINT

STRINGER 3

STRINGER 4

	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B
C ₂	22294.770	514.584	515.032	22294.770	514.709	515.168	22294.770	514.750	515.212	22294.770	514.813	515.280	22294.770	514.907	515.376
D ₂	22303.770	514.578	515.025	22303.770	514.703	515.161	22303.770	514.744	515.205	22303.770	514.807	515.273	22303.770	514.901	515.369
L _{26'}	22314.382	514.566	514.994	22314.382	514.691	515.130	22314.382	514.732	515.174	22314.382	514.795	515.242	22314.382	514.889	515.338
g ₂	22323.382	514.550	514.986	22323.382	514.675	515.122	22323.382	514.716	515.166	22323.382	514.779	515.234	22323.382	514.873	515.330
L _{25'}	22332.382	514.531	514.961	22332.382	514.656	515.097	22332.382	514.697	515.141	22332.382	514.760	515.209	22332.382	514.854	515.305
h ₂	22342.994	514.503	514.909	22342.994	514.628	515.045	22342.994	514.669	515.089	22342.994	514.732	515.157	22342.994	514.826	515.253
L _{24'}	22351.994	514.475	514.882	22351.994	514.600	515.018	22351.994	514.641	515.062	22351.994	514.704	515.130	22351.994	514.798	515.226
i ₂	22360.994	514.443	514.838	22360.994	514.568	514.974	22360.994	514.609	515.018	22360.994	514.672	515.086	22360.994	514.766	515.182
L _{23'}	22371.606	514.399	514.763	22371.606	514.524	514.899	22371.606	514.565	514.943	22371.606	514.628	515.011	22371.606	514.722	515.107
j ₂	22380.606	514.358	514.722	22380.606	514.483	514.858	22380.606	514.524	514.902	22380.606	514.587	514.970	22380.606	514.681	515.066
L _{22'}	22389.606	514.313	514.661	22389.606	514.438	514.800	22389.606	514.479	514.844	22389.606	514.542	514.912	22389.606	514.636	515.008
k ₂	22400.218	514.254	514.573	22400.218	514.379	514.709	22400.218	514.420	514.753	22400.218	514.483	514.821	22400.218	514.577	514.917
L _{21'}	22409.218	514.200	514.516	22409.218	514.325	514.652	22409.218	514.366	514.696	22409.218	514.429	514.744	22409.218	514.523	514.860
m ₂	22418.218	514.141	514.444	22418.218	514.266	514.580	22418.218	514.307	514.624	22418.218	514.370	514.692	22418.218	514.464	514.798
L _{20'}	22428.830	514.067	514.334	22428.830	514.192	514.470	22428.830	514.233	514.514	22428.830	514.296	514.582	22428.830	514.390	514.699
n ₂	22437.830	514.000	514.261	22437.830	514.125	514.397	22437.830	514.166	514.441	22437.830	514.229	514.509	22437.830	514.323	514.605
L _{19'}	22446.830	513.928	514.172	22446.830	514.053	514.308	22446.830	514.094	514.352	22446.830	514.157	514.420	22446.830	514.251	514.516
o ₂	22457.441	513.839	514.044	22457.441	513.964	514.180	22457.441	513.924	514.139	22457.441	513.987	514.207	22457.441	514.081	514.303
L _{18'}	22466.441	513.758	513.959	22466.441	513.883	514.095	22466.441	513.844	514.038	22466.441	513.903	514.106	22466.441	513.997	514.202
p ₂	22475.441	513.674	513.858	22475.441	513.799	513.994	22475.441	513.760	513.937	22475.441	513.819	513.967	22475.441	513.895	514.063
L _{17'}	22485.707	513.572	513.719	22485.707	513.697	513.855	22485.707	513.658	513.806	22485.707	513.708	513.874	22485.707	513.802	513.970
q ₂	22494.707	513.479	513.626	22494.707	513.604	513.762	22494.707	513.565	513.713	22494.707	513.610	513.765	22494.707	513.704	513.861
L _{16'}	22503.707	513.381	513.517	22503.707	513.506	513.653	22503.707	513.467	513.618	22503.707	513.494	513.673	22503.707	513.588	513.713
r ₂	22513.973	513.265	513.369	22513.973	513.390	513.505	22513.973	513.351	513.506	22513.973	513.388	513.512	22513.973	513.482	513.608
L _{15'}	22522.973	513.159	513.264	22522.973	513.284	513.400	22522.973	513.245	513.451	22522.973	513.272	513.517	22522.973	513.376	513.477
s ₂	22531.973	513.048	513.143	22531.973	513.173	513.279	22531.973	513.134	513.285	22531.973	513.171	513.330	22531.973	513.275	513.380
L _{14'}	22542.238	512.917	512.981	22542.238	513.042	513.117	22542.238	513.003	513.111	22542.238	513.040	513.146	22542.238	513.140	513.229
t ₂	22551.238	512.798	512.866	22551.238	512.923	513.002	22551.238	512.884	513.046	22551.238	512.921	513.114	22551.238	513.121	513.210
L _{13'}	22560.238	512.675	512.734	22560.238	512.800	512.870	22560.238	512.761	512.914	22560.238	512.798	512.982	22560.238	512.998	513.079
u ₂	22570.504	512.529	512.560	22570.504	512.654	512.696	22570.504	512.615	512.740	22570.504	512.652	512.758	22570.504	512.852	512.904
L _{12'}	22579.504	512.397	512.435	22579.504	512.522	512.571	22579.504	512.483	512.615	22579.504	512.520	512.683	22579.504	512.720	512.779
v ₂	22588.504	512.261	512.293	22588.504	512.386	512.429	22588.504	512.347	512.479	22588.504	512.384	512.541	22588.504	512.584	512.637
W ₂	22598.770	512.101	512.108	22598.770	512.226	512.244	22598.770	512.267	512.288	22598.770	512.330	512.356	22598.770	512.424	512.452
L _{11'}	22607.770	511.956	511.980	22607.770	512.081	512.116	22607.770	512.122	512.160	22607.770	512.185	512.228	22607.770	512.279	512.324
Y ₂	22616.770	511.806	511.836	22616.770	511.931	511.972	22616.770	511.972	512.016	22616.770	512.035	512.084	22616.770	512.129	512.180
L _{10'}	22627.035	511.631	511.648	22627.035	511.756	511.784	22627.035	511.797	511.828	22627.035	511.860	511.896	22627.035	511.960	511.992
Z ₂	22636.035	511.473	511.511	22636.035	511.598	511.647	22636.035	511.639	511.691	22636.035	511.702	511.759	22636.035	511.796	511.855
L _{9'}	22645.035	511.311	511.358	22645.035	511.436	511.494	22645.035	511.477	511.538	22645.035	511.540	511.606	22645.035	511.634	511.702
aa ₂	22655.301	511.122	511.161	22655.301	511.247	511.297	22655.301	511.288	511.341	22655.301	511.351	511.409	22655.301	511.445	511.505
L _{8'}	22664.301	510.951	511.012	22664.301	511.076	511.148	22664.301	511.117	511.192	22664.301	511.180	511.260	22664.301	511.274	511.356
bb ₂	22673.301	510.776	510.847	22673.301	510.901	510.983	22673.301	510.942	511.027	22673.301	511.005	511.095	22673.301	511.099	511.191
L _{7'}	22683.566	510.571	510.636	22683.566	510.696	510.772	22683.566	510.737	510.816	22683.566	510.800	510.884	22683.566	510.984	511.080
cc ₂	22692.566	510.388	510.477	22692.566	510.513	510.613	22692.566	510.554	510.657	22692.566	510.617	510.725	22692.566	510.711	510.821
L _{6'}	22701.566	510.205	510.305	22701.566	510.330	510.441	22701.566	510.371	510.485	22701.566	510.434	510.553	22701.566	510.528	510.649
dd ₂	22711.832	509.995	510.091	22711.832	510.120	510.227	22711.832	510.161	510.271	22711.832	510.224	510.339	22711.832	510.318	510.435
L _{5'}	22720.832	509.811	509.933	22720.832	509.936	510.069	22720.832	509.977	510.113	22720.832	510.040	510.181	22720.832	510.134	510.277
ee ₂	22729.832	509.628	509.763	22729.832	509.753	509.899	22729.832	509.794	509.943	22729.832	509.857	510.011	22729.832	509.951	510.107
L _{4'}	22740.098	509.418	509.551	22740.098	509.543	509.687	22740.098	509.584	509.731	22740.098	509.647	509.799	22740.098	509.741	509.895
ff ₂	22749.098	509.235	509.393	22749.098	509.360	509.529	22749.098	509.401	509.573	22749.098	509.464	509.641	22749.098	509.558	509.737
L _{3'}	22758.098	509.051	509.222	22758.098	509.176	509.358	22758.098	509.217	509.402	22758.098	509.280	509.470	22758.098	509.374	509.566
gg ₂	22768.363	508.842	509.009	22768.363	508.967	509.145	22768.363	509.008	509.189	22768.363	509.071	509.257	22768.363	509.165	509.353
L _{2'}	22777.363	508.658	508.850	22777.363	508.783	508.986	22777.363	508.824	509.030	22777.363	508.887	509.098	22777.363	508.981	509.194

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
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ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.-49	(15B-1)-D	PEORIA & TAZEWELL	97	29
FED. ROAD DIST. NO. 7 ILLINOIS PROJECT				

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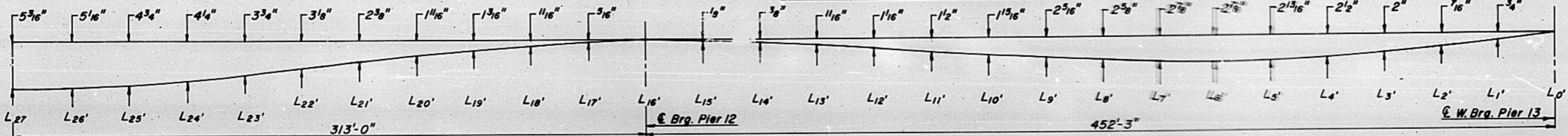
SOUTH LONGITUDINAL
BONDED CONSTRUCTION JOINT

STRINGER 5			STRINGER 6			STRINGER 7		
STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B
C ₂	22294.770	514.876	22294.770	514.782	515.241	22294.770	514.750	515.205
L ₂₆ '	22303.770	514.870	22303.770	514.776	515.234	22303.770	514.744	515.198
L ₂₅ '	22314.382	514.858	22314.382	514.764	515.203	22314.382	514.732	515.167
L ₂₄ '	22323.382	514.842	22323.382	514.748	515.195	22323.382	514.716	515.159
L ₂₃ '	22332.382	514.823	22332.382	514.729	515.170	22332.382	514.697	515.134
L ₂₂ '	22342.994	514.795	22342.994	514.701	515.118	22342.994	514.669	515.082
L ₂₁ '	22351.994	514.767	22351.994	514.673	515.091	22351.994	514.641	515.055
L ₂₀ '	22360.994	514.735	22360.994	514.641	515.047	22360.994	514.609	515.011
L ₁₉ '	22371.606	514.691	22371.606	514.597	514.972	22371.606	514.565	514.936
L ₁₈ '	22380.606	514.650	22380.606	514.556	514.931	22380.606	514.524	514.895
L ₁₇ '	22389.606	514.605	22389.606	514.511	514.873	22389.606	514.479	514.837
L ₁₆ '	22400.218	514.546	22400.218	514.452	514.782	22400.218	514.420	514.746
L ₁₅ '	22409.218	514.492	22409.218	514.398	514.725	22409.218	514.366	514.689
L ₁₄ '	22418.210	514.433	22418.210	514.339	514.653	22418.210	514.307	514.617
L ₁₃ '	22428.830	514.359	22428.830	514.265	514.543	22428.830	514.233	514.507
L ₁₂ '	22437.830	514.292	22437.830	514.198	514.470	22437.830	514.166	514.434
L ₁₁ '	22446.830	514.220	22446.830	514.126	514.381	22446.830	514.094	514.345
L ₁₀ '	22457.441	514.131	22457.441	514.037	514.253	22457.441	514.005	514.217
L ₉ '	22466.441	514.050	22466.441	513.956	514.168	22466.441	513.924	514.132
L ₈ '	22475.441	513.966	22475.441	513.872	514.067	22475.441	513.840	514.031
L ₇ '	22485.707	513.864	22485.707	513.770	513.928	22485.707	513.738	513.892
L ₆ '	22494.707	513.771	22494.707	513.677	513.835	22494.707	513.645	513.799
L ₅ '	22503.707	513.673	22503.707	513.579	513.726	22503.707	513.547	513.690
L ₄ '	22513.973	513.557	22513.973	513.463	513.578	22513.973	513.431	513.542
L ₃ '	22522.973	513.451	22522.973	513.357	513.473	22522.973	513.325	513.437
L ₂ '	22531.973	513.340	22531.973	513.246	513.352	22531.973	513.214	513.316
L ₁ '	22542.238	513.209	22542.238	513.115	513.190	22542.238	513.083	513.154
U ₂	22551.238	513.090	22551.238	512.996	513.075	22551.238	512.964	513.039
V ₂	22560.238	512.967	22560.238	512.873	512.943	22560.238	512.841	512.907
L ₁₇ '	22570.504	512.821	22570.504	512.727	512.769	22570.504	512.695	512.733
L ₁₆ '	22579.504	512.689	22579.504	512.595	512.644	22579.504	512.563	512.608
L ₁₅ '	22588.504	512.553	22588.504	512.459	512.502	22588.504	512.427	512.466
L ₁₄ '	22598.770	512.393	22598.770	512.299	512.317	22598.770	512.267	512.281
L ₁₃ '	22607.770	512.248	22607.770	512.154	512.189	22607.770	512.122	512.153
L ₁₂ '	22616.770	512.098	22616.770	512.004	512.045	22616.770	511.972	512.009
L ₁₁ '	22627.035	511.923	22627.035	511.829	511.857	22627.035	511.797	511.821
L ₁₀ '	22636.035	511.765	22636.035	511.671	511.720	22636.035	511.639	511.684
L ₉ '	22645.035	511.603	22645.035	511.509	511.567	22645.035	511.477	511.531
L ₈ '	22655.301	511.414	22655.301	511.320	511.370	22655.301	511.288	511.334
L ₇ '	22664.301	511.243	22664.301	511.149	511.221	22664.301	511.117	511.185
L ₆ '	22673.301	511.068	22673.301	510.974	511.056	22673.301	510.942	511.020
L ₅ '	22683.566	510.863	22683.566	510.789	510.845	22683.566	510.737	510.809
L ₄ '	22692.566	510.680	22692.566	510.586	510.684	22692.566	510.554	510.650
L ₃ '	22701.566	510.497	22701.566	510.403	510.514	22701.566	510.371	510.478
L ₂ '	22711.832	510.287	22711.832	510.193	510.300	22711.832	510.161	510.264
L ₁ '	22720.832	510.103	22720.832	510.009	510.142	22720.832	509.977	510.106
L ₀ '	22729.832	509.920	22729.832	509.826	509.972	22729.832	509.794	509.936
L ₂₇	22740.098	509.710	22740.098	509.616	509.760	22740.098	509.584	509.724
L ₂₆ '	22749.098	509.527	22749.098	509.433	509.602	22749.098	509.401	509.566
L ₂₅ '	22758.098	509.343	22758.098	509.249	509.431	22758.098	509.217	509.385
L ₂₄ '	22768.363	509.134	22768.363	509.040	509.218	22768.363	509.008	509.182
L ₂₃ '	22777.363	508.950	22777.363	508.856	509.059	22777.363	508.824	509.023
L ₂₂ '	22786.363	508.767	22786.363	508.673	508.888	22786.363	508.641	508.852
L ₂₁ '	22796.629	508.557	22796.629	508.463	508.675	22796.629	508.431	508.639
L ₂₀ '	22805.629	508.374	22805.629	508.280	508.514	22805.629	508.248	508.478
L ₁₉ '	22814.629	508.190	22814.629	508.096	508.341	22814.629	508.064	508.365
L ₁₈ '	22824.894	507.981	22824.894	507.887	508.126	22824.894	507.855	508.090
L ₁₇ '	22833.894	507.797	22833.894	507.703	507.961	22833.894	507.671	507.925
L ₁₆ '	22842.894	507.613	22842.894	507.519	507.785	22842.894	507.487	507.749
L ₁₅ '	22853.160	507.404	22853.160	507.310	507.565	22853.160	507.278	507.529
L ₁₄ '	22862.160	507.220	22862.160	507.126	507.397	22862.160	507.094	507.361
L ₁₃ '	22871.160	507.037	22871.160	506.943	507.212	22871.160	506.911	507.180
L ₁₂ '	22881.426	506.827	22881.426	506.733	506.996	22881.426	506.701	506.956
L ₁₁ '	22890.426	506.644	22890.426	506.550	506.821	22890.426	506.518	506.785
L ₁₀ '	22899.426	506.460	22899.426	506.366	506.637	22899.426	506.334	506.601
L ₉ '	22909.691	506.251	22909.691	506.157	506.410	22909.691	506.125	506.374
L ₈ '	22918.691	506.067	22918.691	505.973	506.231	22918.691	505.941	506.195
L ₇ '	22927.691	505.884	22927.691	505.790	506.041	22927.691	505.758	506.005
L ₆ '	22937.957	505.674	22937.957	505.580	505.805	22937.957	505.548	505.769
L ₅ '	22946.957	505.491	22946.957	505.397	505.623	22946.957	505.365	505.587
L ₄ '	22955.957	505.307	22955.957	505.213	505.430	22955.957	505.181	505.394
L ₃ '	22966.222	505.098	22966.222	505.004	505.191	22966.222	504.972	505.155
L ₂ '	22975.222	504.914	22975.222	504.820	505.005	22975.222	504.788	504.969
L ₁ '	22984.222	504.730	22984.222	504.636	504.807	22984.222	504.604	504.771
L ₀ '	22994.488	504.521	22994.488	504.427	504.564	22994.488	504.395	504.528
L ₂₇	23003.488	504.337	23003.488	504.243	504.377	23003.488	504.211	504.341
L ₂₆ '	23012.488	504.154	23012.488	504.060	504.178	23012.488	504.028	504.142
L ₂₅ '	23022.754	503.944	23022.754	503.850	503.933	23022.754	503.818	503.897
L ₂₄ '	23031.754	503.761	23031.754	503.667	503.743	23031.754	503.635	503.707
L ₂₃ '	23040.754	503.577	23040.754	503.483	503.541	23040.754	503.451	503.505
L ₂₂ '	23051.020	503.368	23051.020	503.274	503.292	23051.020	503.242	503.256

± Bearing Pier 12

± West Bearing Pier 13

ELEVATIONS - TOP OF CONCRETE



DEAD LOAD DEFLECTION DIAGRAM
(Includes Weight of Concrete Slab)

Note: The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown in "Elevations - Top of Concrete" tables.

Note: For notes on method of determining fillet heights "f" see sheet 30 of 88.

ELEV. A = THEORETICAL GRADE ELEVATIONS
ELEV. B = THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION

TOP OF SLAB ELEVATIONS
SPANS 12, 13 & 14

M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER

F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

W.D.L.
S.C.C.
M.L.B.
S.C.C.

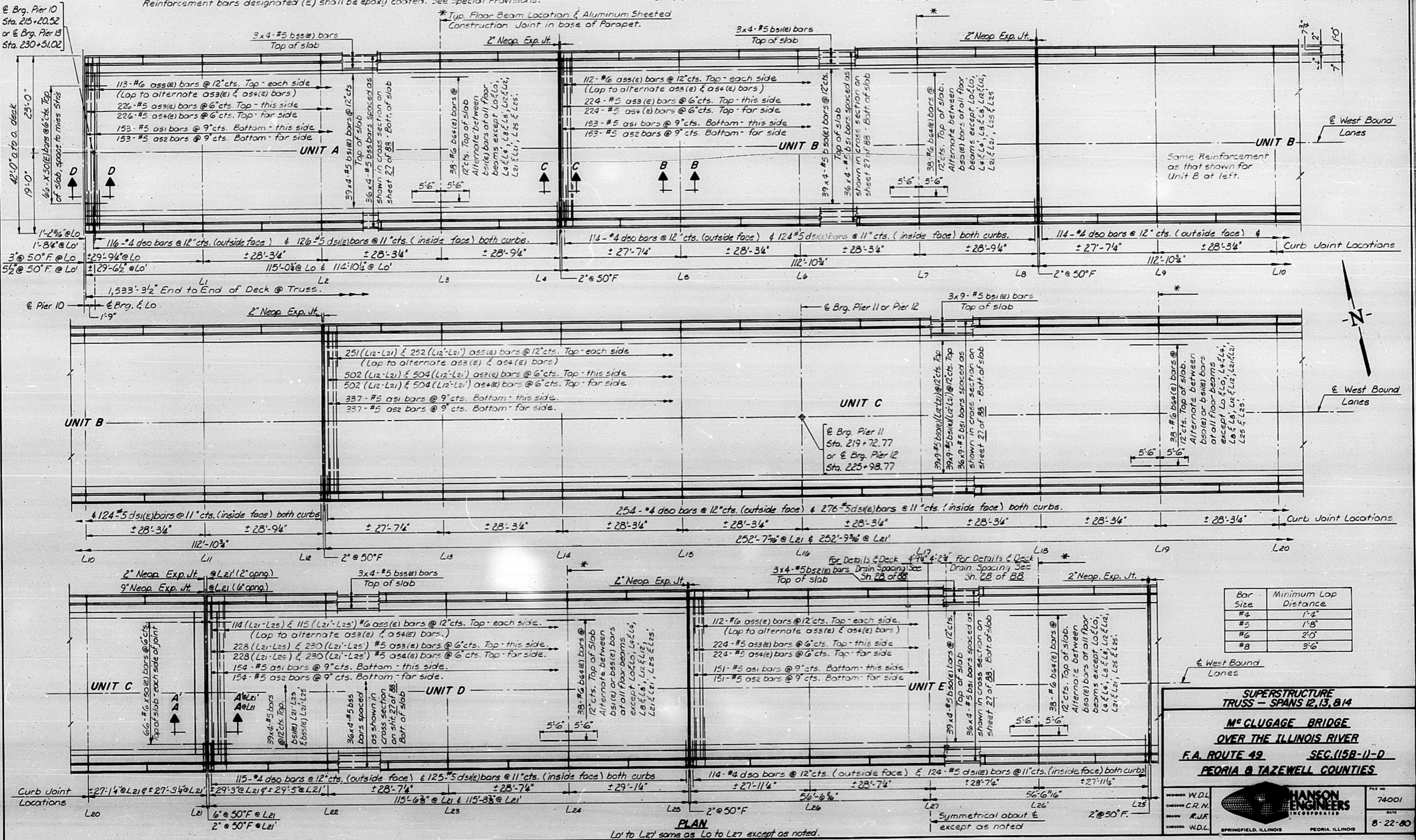
HANSON ENGINEERS
INCORPORATED
SPRINGFIELD, PEORIA & ROCKFORD, ILLINOIS

FILE NO. 74001
8-22-80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

NOTES:
All dimensions shown are measured horizontally.
Bars indicated thus: 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See sheets 27 & 28 for superstructure details & Bill of Material.
Reinforcement bars designated (E) shall be epoxy coated. See Special Provisions.

NOTES:
For Sections A-A, A'-A', B-B & C-C see sheet 28 of 88.
For Section D-D see sheet 23 of 88.
For Section @L see Section A-A on sheet 27 of 88.
For curb & parapet details see sheet 27 of 88.



Bar Size	Minimum Lap Distance
#4	1'-2"
#5	1'-8"
#6	2'-0"
#8	3'-6"

SUPERSTRUCTURE TRUSS - SPANS 12, 13, 14

M^c CLUGAGE BRIDGE

OVER THE ILLINOIS RIVER

F.A. ROUTE 49 SEC. (15B-1)-D

PEORIA & TAZEWELL COUNTIES

DESIGNED W.D.L.
CHECKED C.R.N.
DRAWN R.J.F.
CHECKED W.D.L.

HANSON ENGINEERS INCORPORATED
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

FILE NO. 74001
DATE 8-22-80

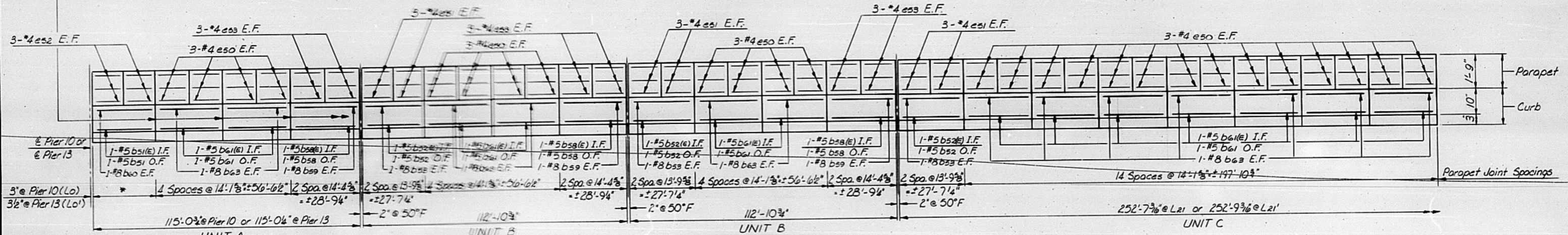
PLAN
L0' to L27' same as L0' to L27' except as noted.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA: 49	(158-1)-D	PEORIA & TAZEWELL	97	31
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Sheet 27 of 88

Joints in curb from top of slab to bottom of parapet over floor beams at these locations. Provide 1/8" aluminum sheets at each location.

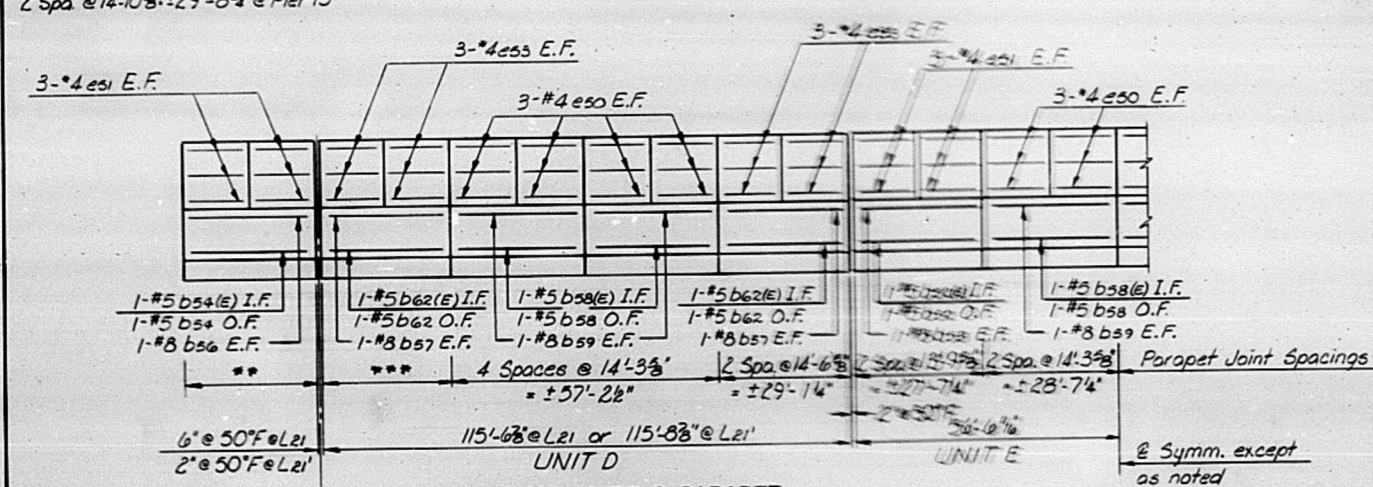


ELEVATION - CURB & PARAPET
Lo to L20

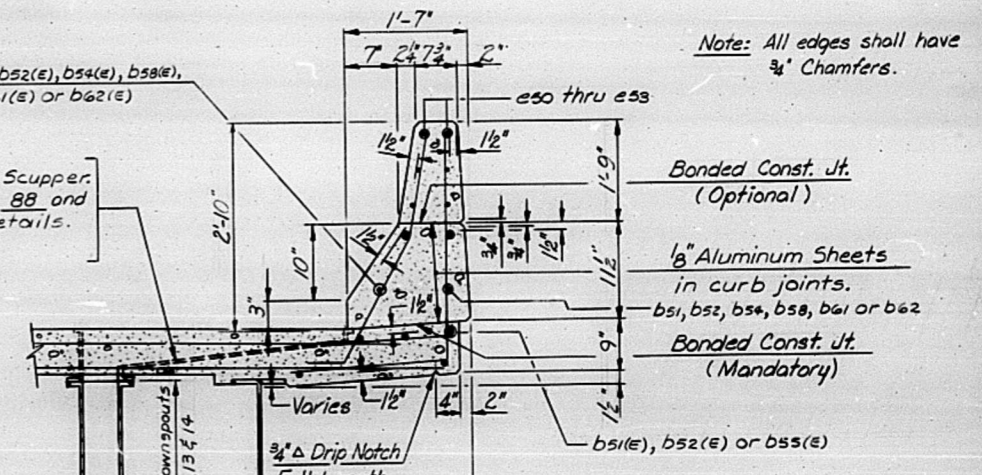
DRAINAGE SCUPPER SPACING TABLE

NORTH GUTTER	SOUTH GUTTER
Sta. 217+92	Sta. 217+92
227+79	227+79

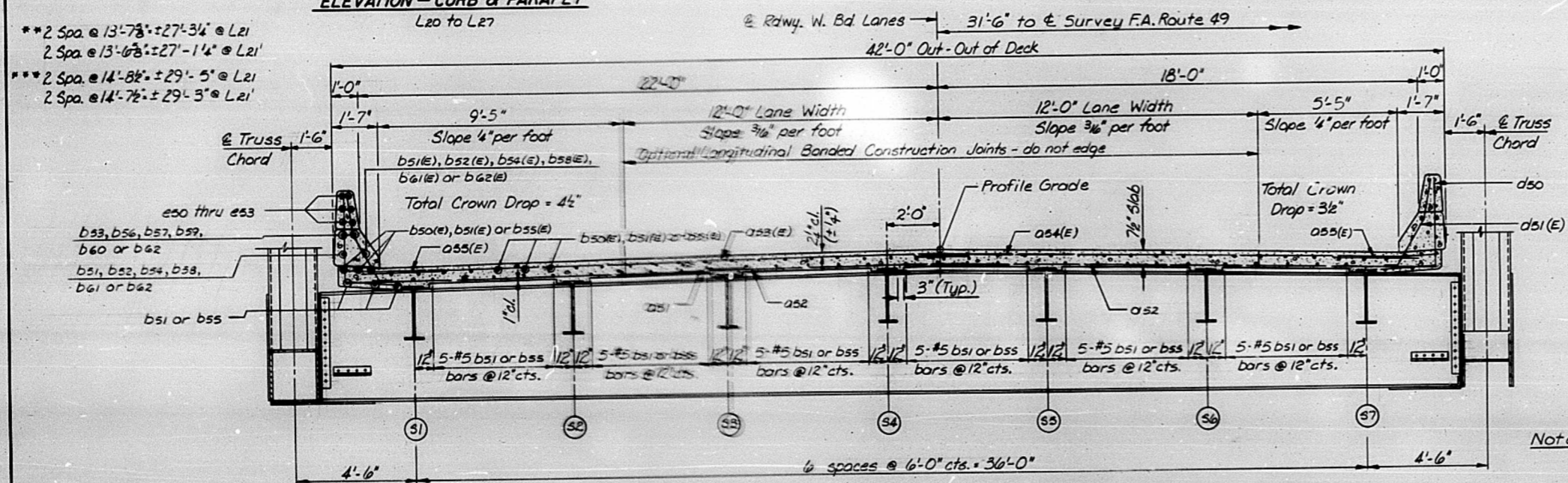
Note: Drains shall be located clear of all diaphragms, floorbeams & lateral bracing.



ELEVATION - CURB & PARAPET
L20 to L27

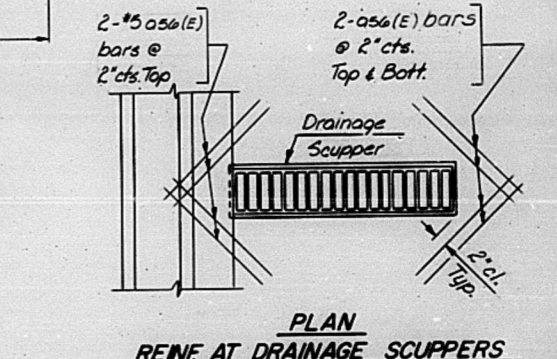


CURB SECTION



AT BOTTOM CHORD COMPRESSION MEMBER AT BOTTOM CHORD TENSION MEMBER

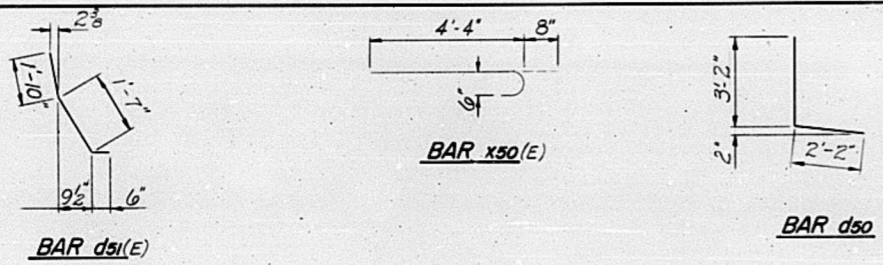
CROSS SECTION
(Looking East)



REIN. AT DRAINAGE SCUPPERS
CURB & PARAPET TRUSS - SPANS 12, 13, & 14
M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (158-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED R.M.C.		FILE NO.
CHECKED N.D.L.		76001
DRAWN R.L.F.		DATE
CHECKED W.G.L.		3-22-80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

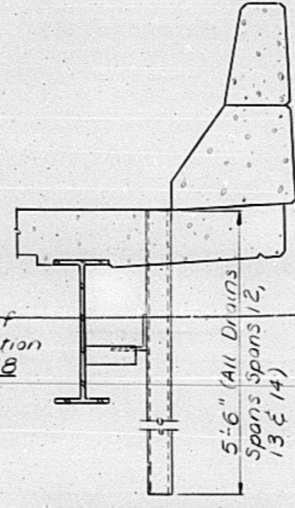


DECK DRAIN SPACING TABLE

SPAN 12	W & SPAN 13	E. & SPAN 13	SPAN 14
Sta. 215+31	Sta. 219+81	Sta. 222+90	Sta. 226+15
215+56	220+06	223+05	226+40
215+81	220+31	223+20	226+65
216+06	220+56	223+35	226+90
216+31	220+81	223+50	227+15
216+56	221+06	223+65	227+40
216+81	221+31	223+90	227+65
217+06	221+56	224+15	227+90
217+31	221+81	224+40	228+15
217+56	222+06	224+65	228+40
217+81	222+21	224+90	228+65
218+06	222+36	225+15	228+90
218+31	222+51	225+40	229+15
218+56	222+66	225+65	229+40
218+81	222+81	225+90	229+65
219+06			229+90
219+31			230+15
219+56			230+40

Note: Drains shall be located along both N.E.S curbs and clear of all diaphragms, floor beams, lateral bracing & Drainage Scuppers.

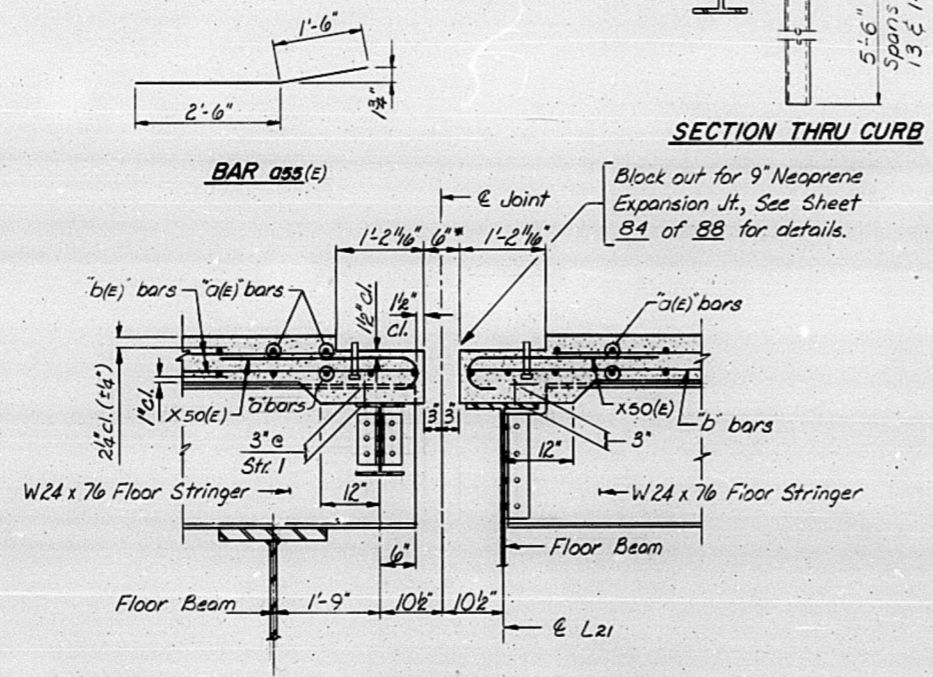
Note: For Details of Drain and Connection see Sht 3 of 88



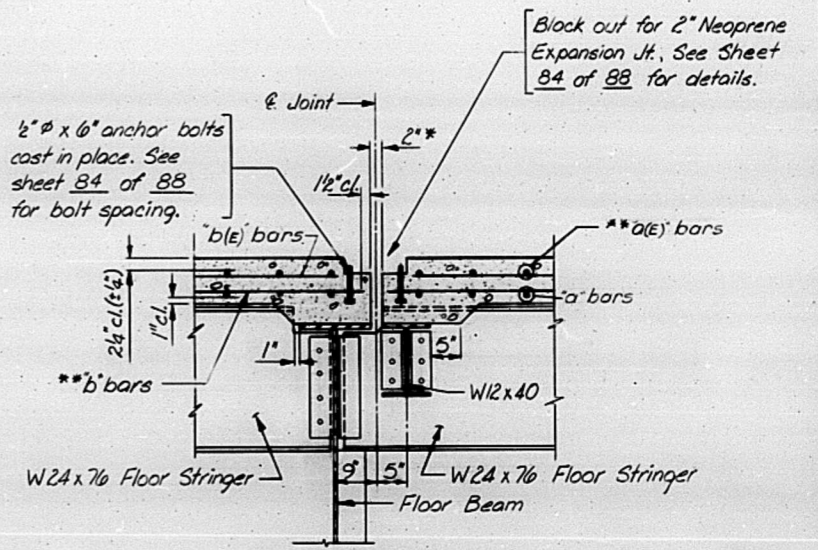
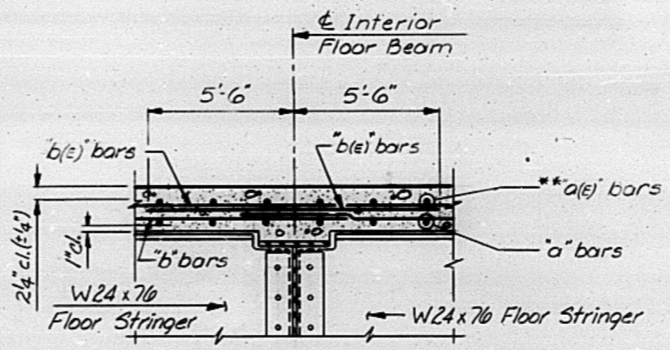
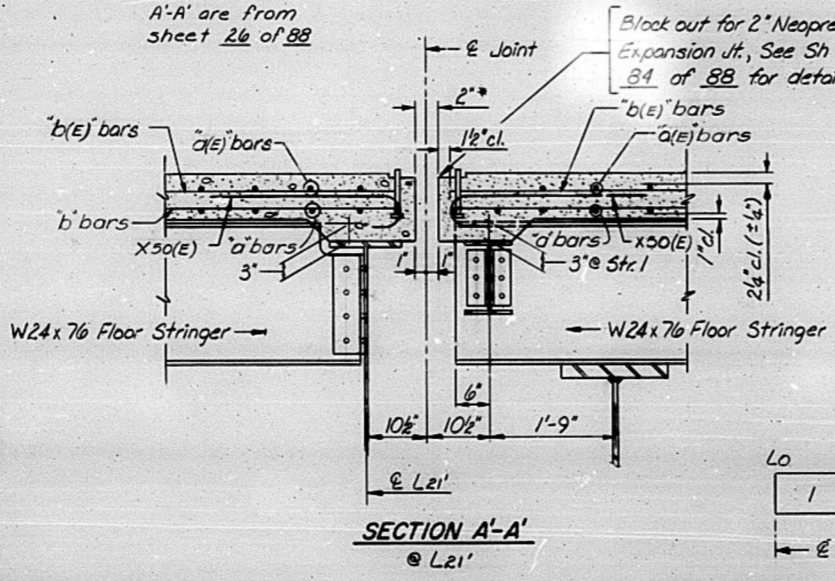
BILL OF MATERIAL
TRUSS - SPANS 12, 13 & 14

Bar	No.	Bar	No.	Size	Length	Shape
		a51	1714	#5	15'-0"	
		a52	1714	#5	27'-0"	
a53(e)	3036			#5	24'-0"	
a54(e)	3036			#5	18'-0"	
a55(e)	3036			#6	4'-0"	
a56(e)	48			#5	2'-0"	
b50(e)	1131			#5	29'-4"	
		b51	1368	#5	29'-7"	
b51(e)	1027			#5	29'-7"	
		b52	16	#5	27'-4"	
b52(e)	40			#5	27'-4"	
		b53	24	#8	27'-4"	
		b54	4	#5	26'-11"	
b54(e)	4			#5	26'-11"	
		b55	288	#5	30'-0"	
b55(e)	252			#5	30'-0"	
		b56	8	#8	26'-11"	
		b57	16	#8	28'-11"	
		b58	24	#5	28'-4"	
b58(e)	24			#5	28'-4"	
		b59	48	#8	28'-4"	
		b60	8	#8	29'-6"	
		b61	52	#5	28'-1"	
b61(e)	52			#5	28'-1"	
		b62	8	#5	28'-11"	
b62(e)	8			#5	28'-11"	
		b63	104	#8	28'-1"	
b63(e)	1634			#6	11'-0"	
		d50	3080	#4	5'-4"	
ds1(e)	3348			#5	3'-11"	
		e50	768	#4	13'-8"	
		e51	240	#4	13'-4"	
		e52	48	#4	14'-6"	
		e53	240	#4	14'-1"	
x50(e)	396			#6	5'-0"	
Reinforcement Bars		Lbs.	167,800			
Reinforcement Bars (Epoxy C'd)		Lbs.	272,890			
Class X Concrete		Cu. Yds.	1866.3			
Neoprene Expansion Joint 2"		Ln. Ft.	367.5			
Neoprene Expansion Joint 9"		Ln. Ft.	81.7			
Drainage Scuppers		Each	4			
Floor Drains		Each	132			
Protective Coat		Sq. Yds.	78570			

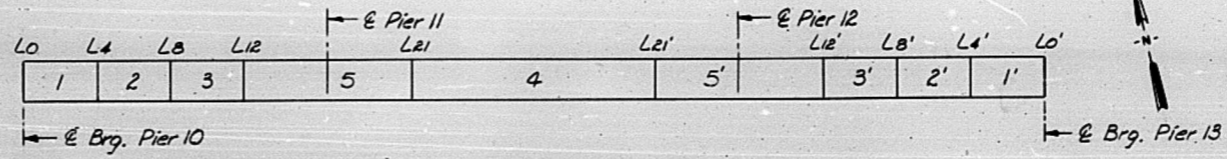
* Includes 152.1 Cu. Yds. of Parapet Concrete.



Note: Sections A-A & A'-A' are from sheet 26 of 88



* At 50°F Joint openings shall be adjusted in accordance with Article 503.07(c) of the Standard Specifications if the deck is poured at an ambient temperature other than 50°F.
** For Bar, Size, No. & Spacing see Sheet 26 of 88.



SUPERSTRUCTURE DETAILS
TRUSS - SPANS 12, 13, & 14

M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER

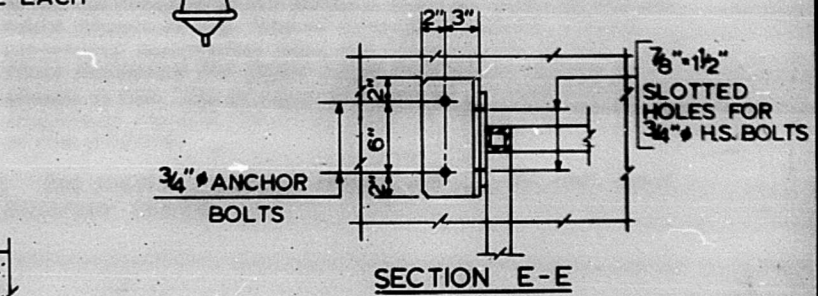
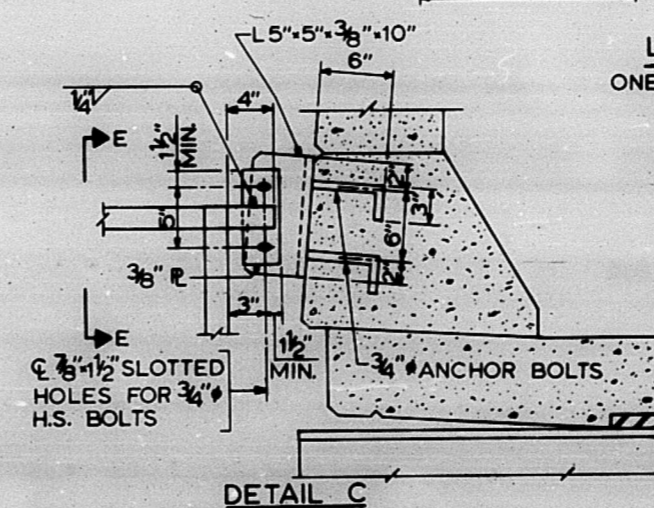
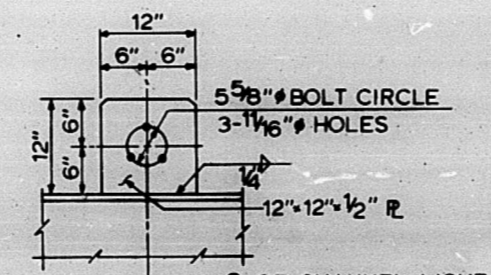
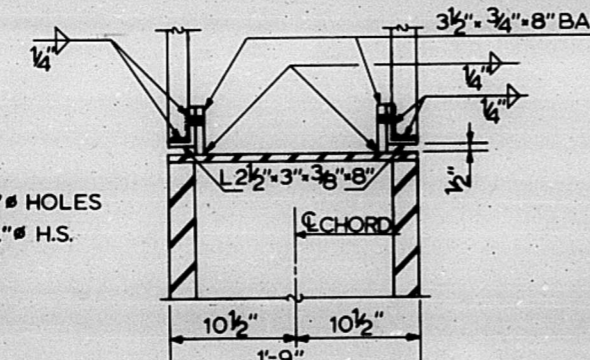
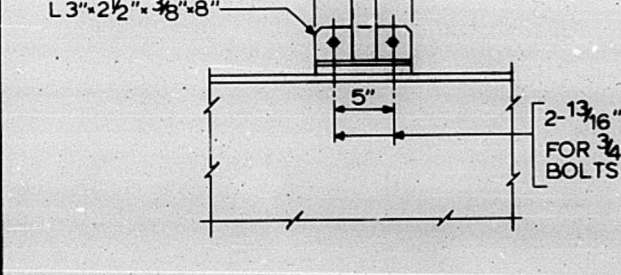
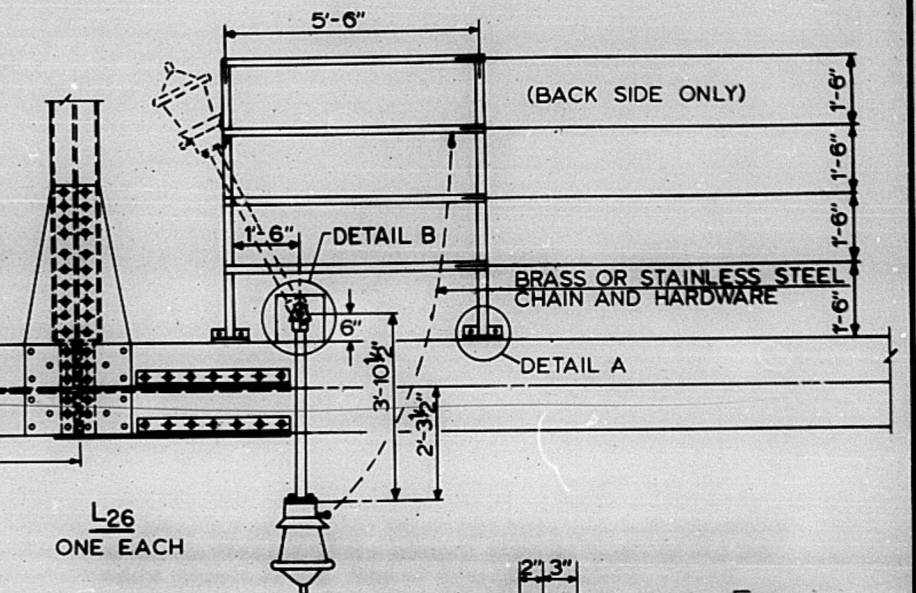
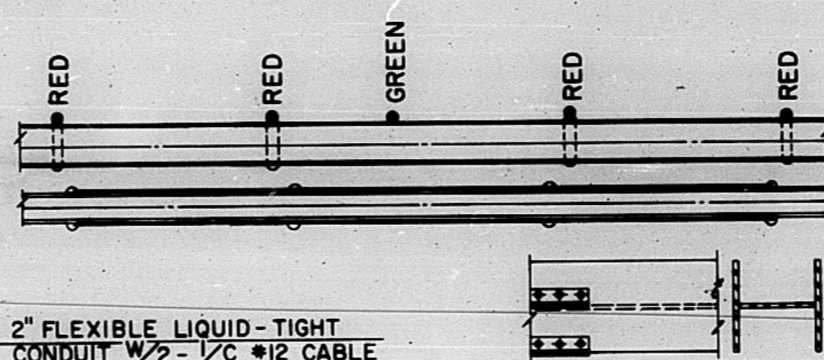
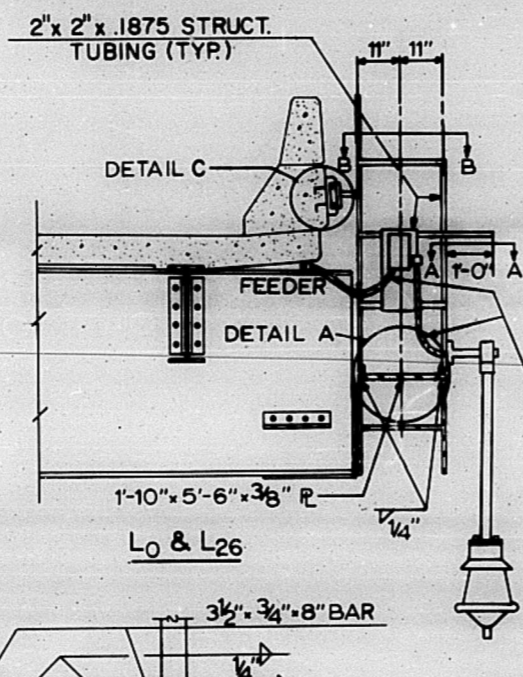
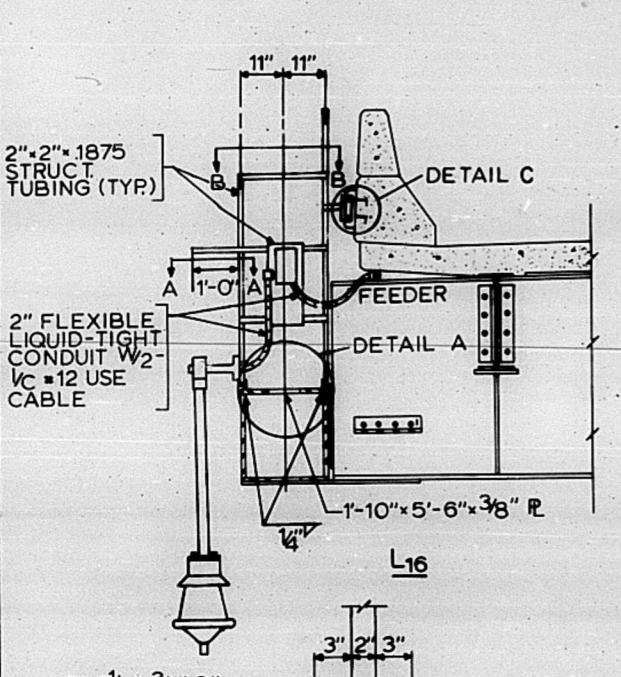
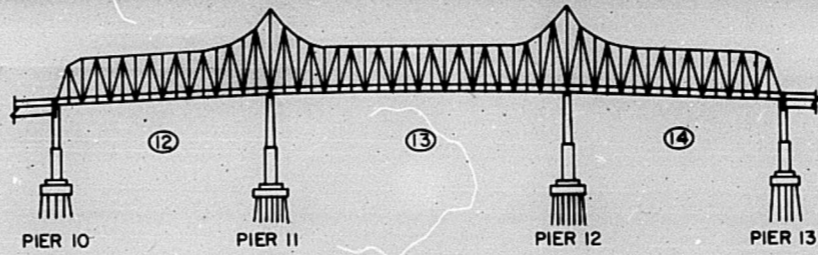
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED R.W.C.
CHECKED W.D.L.
DRAWN R.J.F.
CHECKED W.D.L.

HANSON ENGINEERS
INCORPORATED
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

FILE NO. 74001
DATE 8-22-80

NOTE: PERMANENT NAVIGATIONAL LIGHTS WILL BE FURNISHED AND ERECTED BY THE DECKING CONTRACTOR. THE SAFETY CAGE WILL BE FURNISHED UNDER THE FABRICATION CONTRACT AND STORED AT THE LOCATION DESIGNATED BY THE ENGINEER. IT IS TO BE ERECTED BY THE DECKING CONTRACTOR.

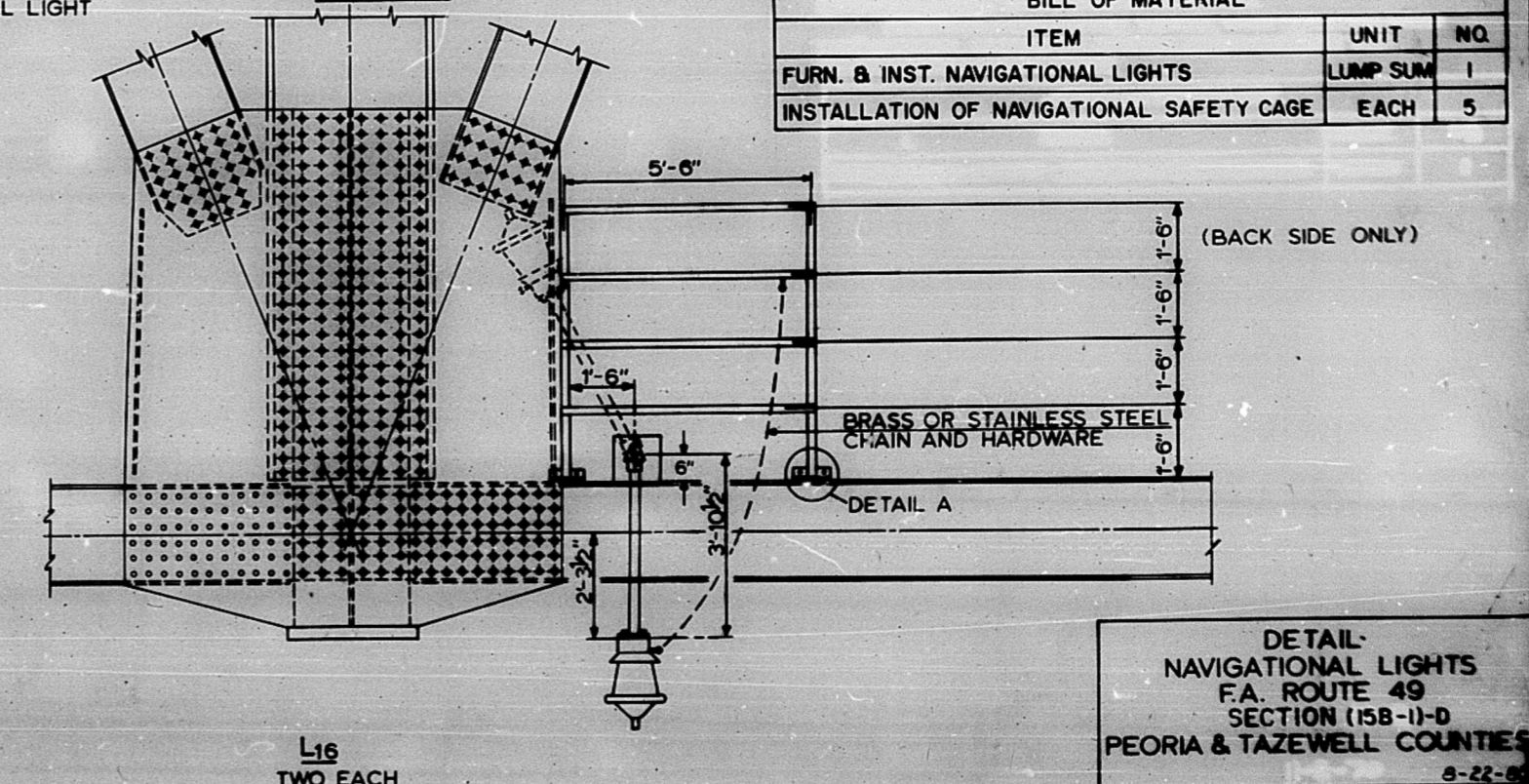
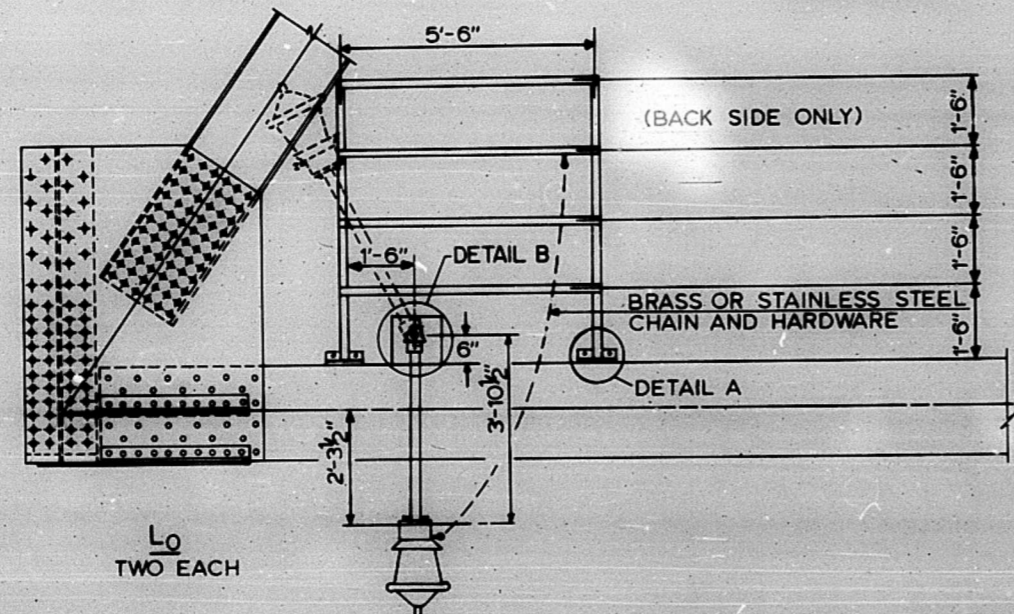
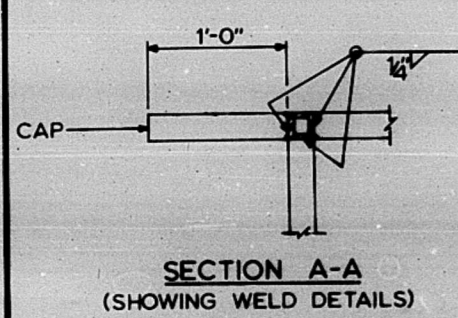
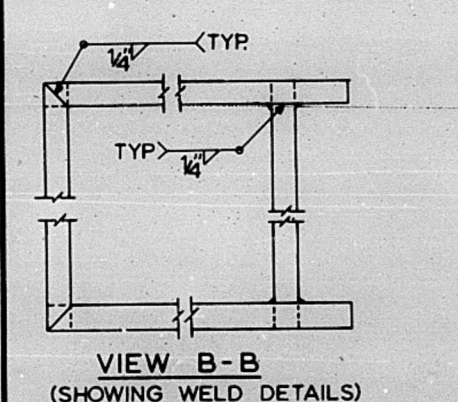


DETAIL A

DETAIL B

DETAIL C

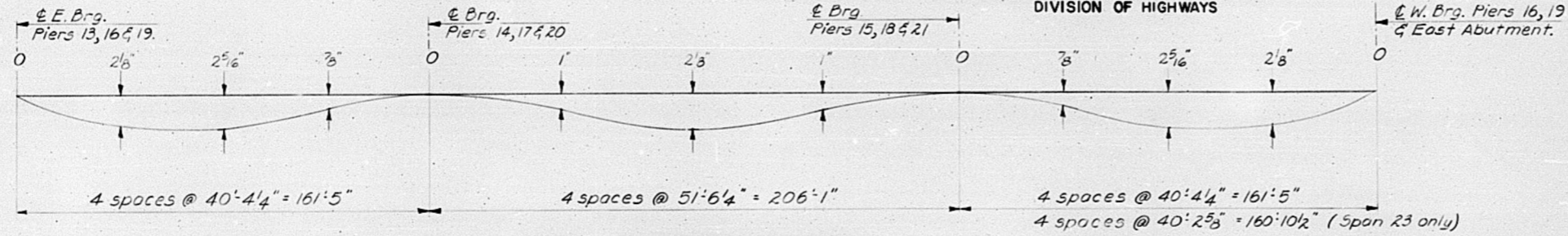
BILL OF MATERIAL			
ITEM	UNIT	NO.	
FURN. & INST. NAVIGATIONAL LIGHTS	LUMP SUM	1	
INSTALLATION OF NAVIGATIONAL SAFETY CAGE	EACH	5	



L0 TWO EACH

L16 TWO EACH

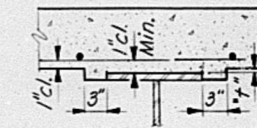
DETAIL-
NAVIGATIONAL LIGHTS
F.A. ROUTE 49
SECTION (15B-1)-D
PEORIA & TAZEWELL COUNTIES
8-22-68



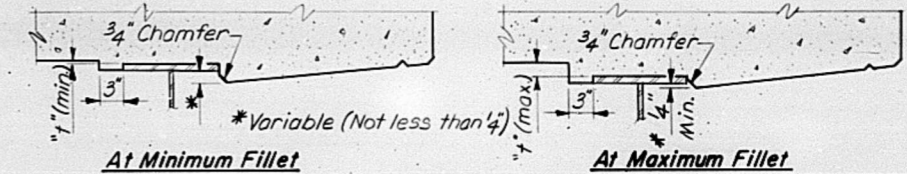
DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete slab.)

Note: The above deflections are not to be used in the field if the Engineer is working from the grade elevations (Elev. B) of the "Top of Concrete" tables on sheets 31 of 88 thru 33 of 88.



INTERIOR BEAMS



At Minimum Fillet

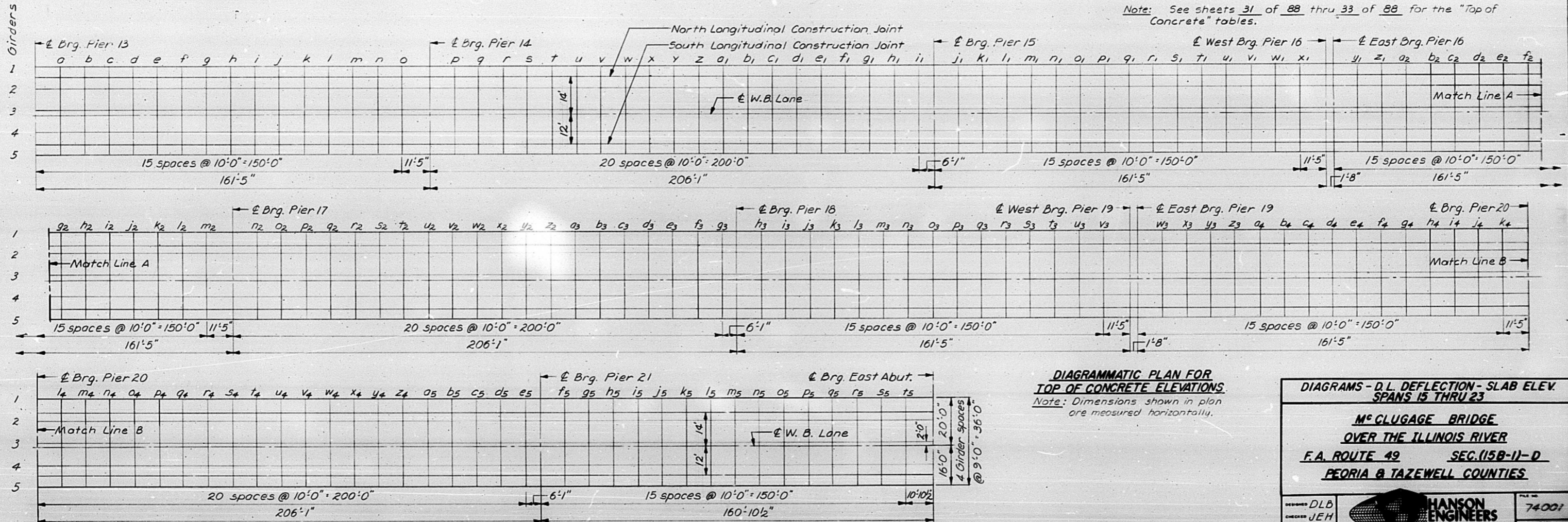
At Maximum Fillet

EXTERIOR BEAMS

METHOD OF DETERMINING FILLET HEIGHTS "f"

After all Structural Steel has been erected, elevations of the top flanges of the girders shall be taken at the stations shown in the "Top of Concrete" tables. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" (Elev. B) shown in the "Top of Concrete" tables, minus the concrete slab thickness equals the fillet heights above the top flanges of the girders.

Note: See sheets 31 of 88 thru 33 of 88 for the "Top of Concrete" tables.



DIAGRAMMATIC PLAN FOR TOP OF CONCRETE ELEVATIONS

Note: Dimensions shown in plan are measured horizontally.

DIAGRAMS - D.L. DEFLECTION - SLAB ELEV. SPANS 15 THRU 23

**M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES**

DESIGNED DLB		FILE NO.
CHECKED JEH		74001
DRAWN DAN		DATE
CHECKED CRM		8-22-80

SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

	GIRDER 1			GIRDER 2			GIRDER 3			GIRDER 4			GIRDER 5			NORTH LONGITUDINAL BONDED CONSTRUCTION JOINT			SOUTH LONGITUDINAL BONDED CONSTRUCTION JOINT		
	STATION	ELEV A	ELEV B	STATION	ELEV A	ELEV B	STATION	ELEV A	ELEV B	STATION	ELEV A	ELEV B	STATION	ELEV A	ELEV B	STATION	ELEV A	ELEV B	STATION	ELEV A	ELEV B
E.E. Brg. Pier 13	230+54.190	503.010	503.010	230+54.190	503.192	503.192	230+54.190	503.333	503.333	230+54.190	503.255	503.255	230+54.190	503.093	503.093	230+54.190	503.135	503.135	230+54.190	503.177	503.177
a	230+64.190	502.806	502.850	230+64.190	502.988	503.033	230+64.190	503.129	503.173	230+64.190	503.051	503.095	230+64.190	502.889	502.934	230+64.190	502.931	502.975	230+64.190	502.973	503.017
b	230+74.190	502.602	502.691	230+74.190	502.784	502.873	230+74.190	502.925	503.014	230+74.190	502.847	502.935	230+74.190	502.685	502.774	230+74.190	502.727	502.816	230+74.190	502.769	502.857
c	230+84.190	502.398	502.531	230+84.190	502.580	502.713	230+84.190	502.721	502.854	230+84.190	502.643	502.776	230+84.190	502.481	502.614	230+84.190	502.523	502.656	230+84.190	502.565	502.698
d	230+94.190	502.194	502.371	230+94.190	502.376	502.554	230+94.190	502.517	502.694	230+94.190	502.439	502.616	230+94.190	502.277	502.455	230+94.190	502.319	502.496	230+94.190	502.361	502.538
e	231+04.190	501.990	502.173	231+04.190	502.172	502.355	231+04.190	502.313	502.496	231+04.190	502.235	502.417	231+04.190	502.073	502.256	231+04.190	502.115	502.298	231+04.190	502.157	502.339
f	231+14.190	501.786	501.972	231+14.190	501.968	502.155	231+14.190	502.109	502.295	231+14.190	502.031	502.217	231+14.190	501.869	502.056	231+14.190	501.911	502.097	231+14.190	501.953	502.139
g	231+24.190	501.582	501.772	231+24.190	501.764	501.954	231+24.190	501.905	502.095	231+24.190	501.827	502.017	231+24.190	501.665	501.855	231+24.190	501.707	501.897	231+24.190	501.749	501.939
h	231+34.190	501.378	501.572	231+34.190	501.560	501.754	231+34.190	501.701	501.895	231+34.190	501.623	501.817	231+34.190	501.461	501.655	231+34.190	501.503	501.697	231+34.190	501.545	501.738
i	231+44.190	501.174	501.340	231+44.190	501.356	501.522	231+44.190	501.497	501.663	231+44.190	501.419	501.585	231+44.190	501.257	501.424	231+44.190	501.299	501.465	231+44.190	501.341	501.507
j	231+54.190	500.970	501.106	231+54.190	501.152	501.289	231+54.190	501.293	501.429	231+54.190	501.215	501.351	231+54.190	501.053	501.190	231+54.190	501.095	501.231	231+54.190	501.137	501.273
k	231+64.190	500.766	500.872	231+64.190	500.948	501.055	231+64.190	501.089	501.195	231+64.190	501.011	501.117	231+64.190	500.849	500.956	231+64.190	500.891	500.997	231+64.190	500.933	501.039
l	231+74.190	500.562	500.638	231+74.190	500.744	500.821	231+74.190	500.885	500.961	231+74.190	500.807	500.883	231+74.190	500.645	500.722	231+74.190	500.687	500.763	231+74.190	500.729	500.805
m	231+84.190	500.358	500.415	231+84.190	500.540	500.597	231+84.190	500.681	500.738	231+84.190	500.603	500.660	231+84.190	500.441	500.498	231+84.190	500.483	500.540	231+84.190	500.525	500.582
n	231+94.190	500.154	500.193	231+94.190	500.336	500.375	231+94.190	500.477	500.516	231+94.190	500.399	500.438	231+94.190	500.237	500.276	231+94.190	500.279	500.318	231+94.190	500.321	500.359
o	232+04.190	499.950	499.971	232+04.190	500.132	500.153	232+04.190	500.273	500.294	232+04.190	500.195	500.215	232+04.190	500.033	500.054	232+04.190	500.075	500.096	232+04.190	500.117	500.137
E. Brg. Pier 14	232+15.600	499.717	499.717	232+15.600	499.899	499.899	232+15.600	500.040	500.040	232+15.600	499.962	499.962	232+15.600	499.800	499.800	232+15.600	499.842	499.842	232+15.600	499.884	499.884
p	232+25.600	499.513	499.529	232+25.600	499.695	499.711	232+25.600	499.836	499.852	232+25.600	499.758	499.774	232+25.600	499.596	499.612	232+25.600	499.638	499.654	232+25.600	499.680	499.696
q	232+35.600	499.309	499.341	232+35.600	499.491	499.523	232+35.600	499.632	499.664	232+35.600	499.554	499.586	232+35.600	499.392	499.424	232+35.600	499.434	499.466	232+35.600	499.476	499.507
r	232+45.600	499.105	499.153	232+45.600	499.287	499.335	232+45.600	499.428	499.476	232+45.600	499.350	499.397	232+45.600	499.188	499.236	232+45.600	499.230	499.278	232+45.600	499.272	499.319
s	232+55.600	498.901	498.965	232+55.600	499.083	499.147	232+55.600	499.224	499.287	232+55.600	499.146	499.209	232+55.600	498.984	499.048	232+55.600	499.026	499.090	232+55.600	499.068	499.131
t	232+65.600	498.697	498.776	232+65.600	498.879	498.959	232+65.600	499.020	499.099	232+65.600	498.942	499.021	232+65.600	498.780	498.860	232+65.600	498.822	498.901	232+65.600	498.864	498.943
u	232+75.600	498.493	498.592	232+75.600	498.675	498.774	232+75.600	498.816	498.915	232+75.600	498.738	498.836	232+75.600	498.576	498.675	232+75.600	498.618	498.717	232+75.600	498.660	498.758
v	232+85.600	498.289	498.408	232+85.600	498.471	498.590	232+85.600	498.612	498.730	232+85.600	498.534	498.652	232+85.600	498.372	498.491	232+85.600	498.414	498.533	232+85.600	498.456	498.574
w	232+95.600	498.085	498.223	232+95.600	498.267	498.406	232+95.600	498.408	498.546	232+95.600	498.330	498.468	232+95.600	498.168	498.307	232+95.600	498.210	498.348	232+95.600	498.252	498.390
x	233+05.600	497.881	498.039	233+05.600	498.063	498.222	233+05.600	498.204	498.362	233+05.600	498.126	498.284	233+05.600	497.964	498.123	233+05.600	498.006	498.164	233+05.600	498.048	498.206
y	233+15.600	497.677	497.855	233+15.600	497.859	498.038	233+15.600	498.000	498.178	233+15.600	497.922	498.100	233+15.600	497.760	497.939	233+15.600	497.802	497.980	233+15.600	497.844	498.022
z	233+25.600	497.473	497.643	233+25.600	497.655	497.826	233+25.600	497.796	497.966	233+25.600	497.718	497.888	233+25.600	497.556	497.727	233+25.600	497.598	497.768	233+25.600	497.640	497.810
a	233+35.600	497.269	497.420	233+35.600	497.451	497.602	233+35.600	497.592	497.742	233+35.600	497.514	497.664	233+35.600	497.352	497.503	233+35.600	497.394	497.545	233+35.600	497.436	497.586
b	233+45.600	497.065	497.196	233+45.600	497.247	497.378	233+45.600	497.388	497.519	233+45.600	497.310	497.440	233+45.600	497.148	497.279	233+45.600	497.190	497.321	233+45.600	497.232	497.362
c	233+55.600	496.861	496.972	233+55.600	497.043	497.154	233+55.600	497.184	497.295	233+55.600	497.106	497.217	233+55.600	496.944	497.055	233+55.600	496.986	497.097	233+55.600	497.028	497.138
d	233+65.600	496.657	496.748	233+65.600	496.839	496.930	233+65.600	496.980	497.071	233+65.600	496.902	496.993	233+65.600	496.740	496.831	233+65.600	496.782	496.873	233+65.600	496.824	496.915
e	233+75.600	496.453	496.526	233+75.600	496.635	496.708	233+75.600	496.776	496.849	233+75.600	496.698	496.771	233+75.600	496.536	496.609	233+75.600	496.578	496.651	233+75.600	496.620	496.693
f	233+85.600	496.249	496.306	233+85.600	496.431	496.489	233+85.600	496.572	496.629	233+85.600	496.494	496.551	233+85.600	496.332	496.390	233+85.600	496.374	496.431	233+85.600	496.416	496.473
g	233+95.600	496.045	496.086	233+95.600	496.227	496.269	233+95.600	496.368	496.409	233+95.600	496.290	496.331	233+95.600	496.128	496.170	233+95.600	496.170	496.211	233+95.600	496.212	496.253
h	234+05.600	495.841	495.867	234+05.600	496.023	496.049	234+05.600	496.164	496.190	234+05.600	496.086	496.111	234+05.600	495.924	495.950	234+05.600	495.966	495.992	234+05.600	496.008	496.033
i	234+15.600	495.637	495.647	234+15.600	495.819	495.829	234+15.600	495.960	495.970	234+15.600	495.882	495.892	234+15.600	495.720	495.730	234+15.600	495.762	495.772	234+15.600	495.804	495.813
E. Brg. Pier 15	234+21.690	495.513	495.513	234+21.690	495.695	495.695	234+21.690	495.836	495.836	234+21.690	495.758	495.758	234+21.690	495.596	495.596	234+21.690	495.638	495.638	234+21.690	495.680	495.680
j	234+31.690	495.309	495.327	234+31.																	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 49	15B-11-D	PEORIA & TAZEWELL	97	36
FED. ROAD DIST. NO.		ILLINOIS	PROJECT	

Sheet 32 of 88

	GIRDER 1			GIRDER 2			GIRDER 3			GIRDER 4			GIRDER 5			NORTH LONGITUDINAL BONDED CONSTRUCTION JOINT			SOUTH LONGITUDINAL BONDED CONSTRUCTION JOINT		
	STATION	ELEV A	ELEV B	STATION	ELEV A	ELEV B	STATION	ELEV A	ELEV B	STATION	ELEV A	ELEV B	STATION	ELEV A	ELEV B	STATION	ELEV A	ELEV B	STATION	ELEV A	ELEV B
E. Brg. Pier 16	235+34.770	492.186	492.186	235+34.770	492.368	492.368	235+34.770	492.509	492.509	235+34.770	492.431	492.431	235+34.770	492.269	492.269	235+34.770	492.311	492.311	235+34.770	492.353	492.353
y	235+34.770	491.982	492.026	235+34.770	492.164	492.208	235+34.770	492.305	492.349	235+34.770	492.227	492.271	235+34.770	492.065	492.110	235+34.770	492.107	492.151	235+34.770	492.149	492.193
z	236+04.770	491.778	491.867	236+04.770	491.960	492.049	236+04.770	492.101	492.190	236+04.770	492.023	492.112	236+04.770	491.861	491.950	236+04.770	491.903	491.992	236+04.770	491.945	492.033
1	236+14.770	491.574	491.707	236+14.770	491.756	491.890	236+14.770	491.897	492.030	236+14.770	491.819	491.952	236+14.770	491.657	491.791	236+14.770	491.699	491.832	236+14.770	491.741	491.874
2	236+24.770	491.370	491.548	236+24.770	491.552	491.730	236+24.770	491.693	491.871	236+24.770	491.615	491.792	236+24.770	491.453	491.631	236+24.770	491.495	491.673	236+24.770	491.537	491.714
3	236+34.770	491.166	491.349	236+34.770	491.348	491.531	236+34.770	491.489	491.672	236+34.770	491.411	491.594	236+34.770	491.249	491.432	236+34.770	491.291	491.474	236+34.770	491.333	491.515
4	236+44.770	490.962	491.149	236+44.770	491.144	491.331	236+44.770	491.285	491.471	236+44.770	491.207	491.393	236+44.770	491.045	491.232	236+44.770	491.087	491.274	236+44.770	491.129	491.315
5	236+54.770	490.758	490.948	236+54.770	490.940	491.131	236+54.770	491.081	491.271	236+54.770	491.003	491.193	236+54.770	490.841	491.032	236+54.770	490.883	491.073	236+54.770	490.925	491.115
6	236+64.770	490.554	490.748	236+64.770	490.736	490.930	236+64.770	490.877	491.071	236+64.770	490.799	490.993	236+64.770	490.637	490.831	236+64.770	490.679	490.873	236+64.770	490.721	490.915
7	236+74.770	490.350	490.546	236+74.770	490.532	490.736	236+74.770	490.673	490.879	236+74.770	490.595	490.761	236+74.770	490.433	490.600	236+74.770	490.475	490.641	236+74.770	490.517	490.683
8	236+84.770	490.146	490.342	236+84.770	490.328	490.535	236+84.770	490.469	490.685	236+84.770	490.391	490.527	236+84.770	490.229	490.366	236+84.770	490.271	490.407	236+84.770	490.313	490.449
9	236+94.770	489.942	490.148	236+94.770	489.920	490.131	236+94.770	490.061	490.271	236+94.770	490.187	490.293	236+94.770	489.821	490.058	236+94.770	489.863	490.067	236+94.770	489.905	490.109
10	237+04.770	489.738	489.954	237+04.770	489.721	489.942	237+04.770	489.552	489.779	237+04.770	489.479	489.693	237+04.770	489.313	489.529	237+04.770	489.355	489.571	237+04.770	489.397	489.619
11	237+14.770	489.534	489.761	237+14.770	489.517	489.753	237+14.770	489.348	489.587	237+14.770	489.274	489.513	237+14.770	489.108	489.347	237+14.770	489.150	489.389	237+14.770	489.192	489.431
12	237+24.770	489.330	489.569	237+24.770	489.313	489.555	237+24.770	489.144	489.393	237+24.770	489.070	489.319	237+24.770	488.904	489.143	237+24.770	488.946	489.188	237+24.770	489.028	489.270
13	237+34.770	489.126	489.375	237+34.770	489.109	489.359	237+34.770	488.949	489.208	237+34.770	488.875	489.124	237+34.770	488.709	488.958	237+34.770	488.751	489.000	237+34.770	488.793	489.035
E. Brg. Pier 17	237+46.190	488.893	488.893	237+46.190	489.075	489.075	237+46.190	489.216	489.216	237+46.190	489.138	489.138	237+46.190	488.976	488.976	237+46.190	489.018	489.018	237+46.190	489.060	489.060
14	237+56.190	488.689	488.705	237+56.190	488.871	488.887	237+56.190	488.912	489.028	237+56.190	488.834	488.950	237+56.190	488.672	488.788	237+56.190	488.714	488.830	237+56.190	488.856	488.872
15	237+66.190	488.485	488.517	237+66.190	488.667	488.699	237+66.190	488.708	488.840	237+66.190	488.630	488.762	237+66.190	488.468	488.600	237+66.190	488.510	488.642	237+66.190	488.652	488.683
16	237+76.190	488.281	488.329	237+76.190	488.463	488.511	237+76.190	488.504	488.652	237+76.190	488.426	488.573	237+76.190	488.264	488.412	237+76.190	488.306	488.454	237+76.190	488.448	488.495
17	237+86.190	488.077	488.140	237+86.190	488.259	488.323	237+86.190	488.300	488.463	237+86.190	488.222	488.385	237+86.190	488.060	488.224	237+86.190	488.102	488.265	237+86.190	488.244	488.307
18	237+96.190	487.873	487.952	237+96.190	488.055	488.135	237+96.190	488.096	488.275	237+96.190	488.018	488.197	237+96.190	487.856	488.020	237+96.190	487.898	488.077	237+96.190	488.140	488.199
19	238+06.190	487.669	487.768	238+06.190	487.851	487.950	238+06.190	487.892	488.091	238+06.190	487.814	488.012	238+06.190	487.652	487.851	238+06.190	487.694	487.900	238+06.190	488.000	488.059
20	238+16.190	487.465	487.583	238+16.190	487.647	487.766	238+16.190	487.688	487.906	238+16.190	487.610	487.828	238+16.190	487.452	487.670	238+16.190	487.494	487.708	238+16.190	488.000	488.059
21	238+26.190	487.261	487.399	238+26.190	487.443	487.582	238+26.190	487.484	487.722	238+26.190	487.406	487.644	238+26.190	487.244	487.482	238+26.190	487.286	487.524	238+26.190	488.000	488.059
22	238+36.190	487.057	487.215	238+36.190	487.239	487.398	238+36.190	487.280	487.538	238+36.190	487.202	487.460	238+36.190	487.040	487.278	238+36.190	487.082	487.320	238+36.190	488.000	488.059
23	238+46.190	486.853	487.031	238+46.190	487.035	487.213	238+46.190	487.076	487.354	238+46.190	487.098	487.276	238+46.190	486.936	487.115	238+46.190	486.978	487.160	238+46.190	488.000	488.059
24	238+56.190	486.649	486.819	238+56.190	486.831	487.002	238+56.190	486.872	487.142	238+56.190	486.794	486.964	238+56.190	486.632	486.801	238+56.190	486.674	486.844	238+56.190	488.000	488.059
25	238+66.190	486.445	486.595	238+66.190	486.627	486.778	238+66.190	486.668	486.846	238+66.190	486.590	486.760	238+66.190	486.428	486.597	238+66.190	486.470	486.642	238+66.190	488.000	488.059
26	238+76.190	486.241	486.372	238+76.190	486.423	486.554	238+76.190	486.464	486.642	238+76.190	486.386	486.564	238+76.190	486.224	486.393	238+76.190	486.266	486.438	238+76.190	488.000	488.059
27	238+86.190	486.037	486.148	238+86.190	486.219	486.330	238+86.190	486.260	486.438	238+86.190	486.182	486.360	238+86.190	486.020	486.189	238+86.190	486.062	486.234	238+86.190	488.000	488.059
28	238+96.190	485.833	485.924	238+96.190	486.015	486.106	238+96.190	486.056	486.234	238+96.190	485.978	486.156	238+96.190	485.816	485.985	238+96.190	485.858	486.030	238+96.190	488.000	488.059
29	239+06.190	485.629	485.702	239+06.190	485.811	485.884	239+06.190	485.852	486.030	239+06.190	485.774	485.952	239+06.190	485.612	485.781	239+06.190	485.654	485.726	239+06.190	488.000	488.059
30	239+16.190	485.425	485.482	239+16.190	485.607	485.665	239+16.190	485.648	485.826	239+16.190	485.570	485.748	239+16.190	485.408	485.577	239+16.190	485.450	485.522	239+16.190	488.000	488.059
31	239+26.190	485.221	485.262	239+26.190	485.403	485.445	239+26.190	485.444	485.622	239+26.190	485.366	485.544	239+26.190	485.204	485.373	239+26.190	485.246	485.318	239+26.190	488.000	488.059
32	239+36.190	485.017	485.043	239+36.190	485.199	485.225	239+36.190	485.240	485.418	239+36.190	485.162	485.340	239+36.190	485.000	485.169	239+36.190	485.042	485.114	239+36.190	488.000	488.059
33	239+46.190	484.813	484.823	239+46.190	485.001	485.005	239+46.190	485.042	485.220	239+46.190	484.964	485.142	239+46.190	484.802	484.980	239+46.190	484.844	484.926	239+46.190	488.000	488.059
E. Brg. Pier 18	239+52.270	484.689	484.689	239+52.270	484.871	484.871	239+52.270	485.012	485.012	239+52.270	484.934	484.934	239+52.270	484.772	484.772	239+52.270	484.814	484.814	239+52.270	484.856	4

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
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PROJECT	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 49	15B-U	Peoria & Tazewell	97	37
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

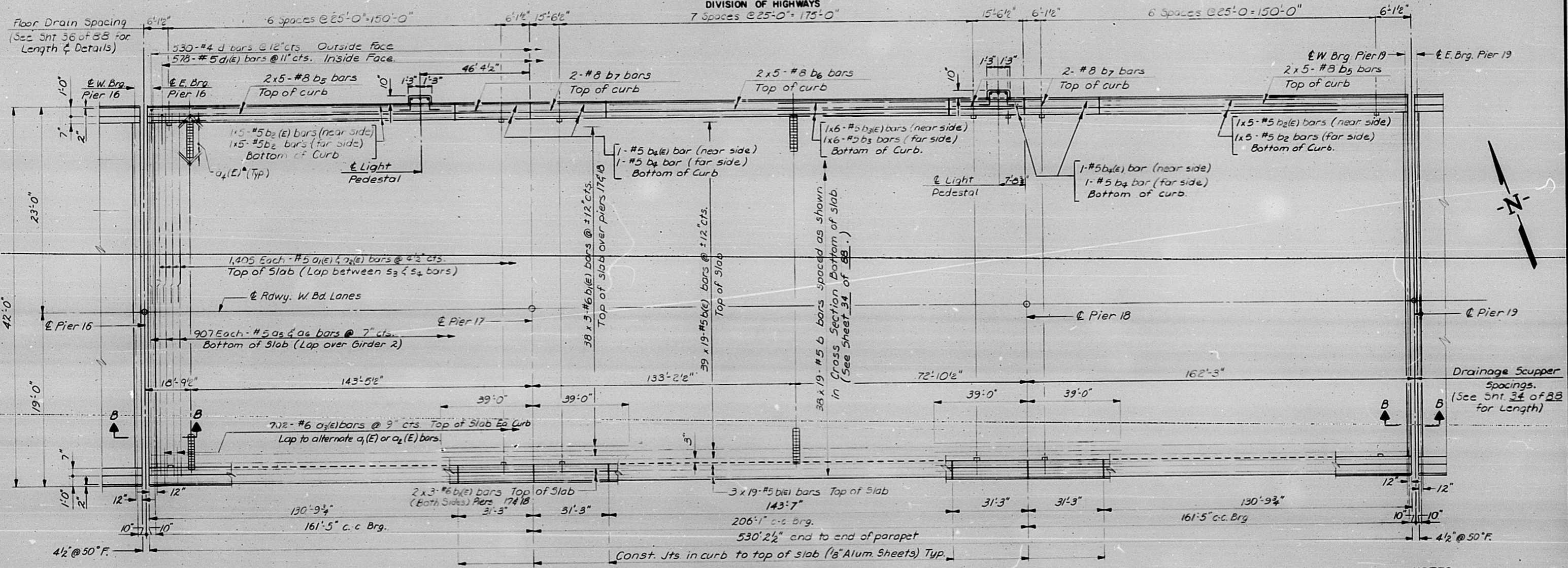
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GIRDER 1						GIRDER 2						GIRDER 3						GIRDER 4						GIRDER 5						NORTH LONGITUDINAL BONDED CONSTRUCTION JOINT						SOUTH LONGITUDINAL BONDED CONSTRUCTION JOINT					
STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B									
E.E. Brg. Pier 19	241+15.350	481.362	481.362	241+15.350	481.544	481.544	241+15.350	481.685	481.685	241+15.350	481.607	481.607	241+15.350	481.446	481.446	241+15.350	481.487	481.487	241+15.350	481.487	481.487	241+15.350	481.529	481.529	241+15.350	481.487	481.487	241+15.350	481.529	481.529	241+15.350	481.529	481.529								
WS	241+25.350	481.158	481.203	241+25.350	481.340	481.385	241+25.350	481.481	481.526	241+25.350	481.403	481.447	241+25.350	481.242	481.286	241+25.350	481.283	481.328	241+25.350	481.283	481.328	241+25.350	481.325	481.369	241+25.350	481.283	481.328	241+25.350	481.325	481.369	241+25.350	481.325	481.369								
NS	241+35.350	480.954	481.043	241+35.350	481.136	481.225	241+35.350	481.277	481.366	241+35.350	481.199	481.288	241+35.350	481.038	481.126	241+35.350	481.079	481.168	241+35.350	481.079	481.168	241+35.350	481.121	481.210	241+35.350	481.079	481.168	241+35.350	481.121	481.210	241+35.350	481.121	481.210								
SS	241+45.350	480.750	480.883	241+45.350	480.932	481.066	241+45.350	481.073	481.206	241+45.350	480.995	481.128	241+45.350	480.834	480.967	241+45.350	480.875	481.008	241+45.350	480.875	481.008	241+45.350	480.917	481.050	241+45.350	480.875	481.008	241+45.350	480.917	481.050	241+45.350	480.917	481.050								
OS	241+55.350	480.546	480.724	241+55.350	480.728	480.906	241+55.350	480.869	481.047	241+55.350	480.791	480.969	241+55.350	480.630	480.807	241+55.350	480.667	480.845	241+55.350	480.667	480.845	241+55.350	480.699	480.892	241+55.350	480.667	480.845	241+55.350	480.699	480.892	241+55.350	480.699	480.892								
DS	241+65.350	480.342	480.525	241+65.350	480.524	480.707	241+65.350	480.665	480.848	241+65.350	480.587	480.770	241+65.350	480.426	480.608	241+65.350	480.463	480.645	241+65.350	480.463	480.645	241+65.350	480.495	480.688	241+65.350	480.463	480.645	241+65.350	480.495	480.688	241+65.350	480.495	480.688								
CS	241+75.350	480.138	480.325	241+75.350	480.320	480.507	241+75.350	480.461	480.648	241+75.350	480.383	480.569	241+75.350	480.222	480.408	241+75.350	480.259	480.445	241+75.350	480.259	480.445	241+75.350	480.291	480.484	241+75.350	480.259	480.445	241+75.350	480.291	480.484	241+75.350	480.291	480.484								
BS	241+85.350	479.934	480.124	241+85.350	480.116	480.307	241+85.350	480.257	480.447	241+85.350	480.179	480.369	241+85.350	480.018	480.208	241+85.350	480.055	480.245	241+85.350	480.055	480.245	241+85.350	480.087	480.280	241+85.350	480.055	480.245	241+85.350	480.087	480.280	241+85.350	480.087	480.280								
AS	241+95.350	479.730	479.924	241+95.350	479.912	480.106	241+95.350	480.053	480.247	241+95.350	479.975	480.169	241+95.350	479.814	480.007	241+95.350	479.851	480.044	241+95.350	479.851	480.044	241+95.350	479.883	480.075	241+95.350	479.851	480.044	241+95.350	479.883	480.075	241+95.350	479.883	480.075								
MS	242+05.350	479.526	479.724	242+05.350	479.708	479.895	242+05.350	479.849	480.043	242+05.350	479.771	479.967	242+05.350	479.610	479.800	242+05.350	479.647	479.835	242+05.350	479.647	479.835	242+05.350	479.679	479.872	242+05.350	479.647	479.835	242+05.350	479.679	479.872	242+05.350	479.679	479.872								
LS	242+15.350	479.322	479.524	242+15.350	479.504	479.691	242+15.350	479.645	479.839	242+15.350	479.567	479.763	242+15.350	479.406	479.596	242+15.350	479.443	479.631	242+15.350	479.443	479.631	242+15.350	479.475	479.668	242+15.350	479.443	479.631	242+15.350	479.475	479.668	242+15.350	479.475	479.668								
KS	242+25.350	479.118	479.325	242+25.350	479.299	479.487	242+25.350	479.441	479.635	242+25.350	479.367	479.463	242+25.350	479.202	479.398	242+25.350	479.239	479.335	242+25.350	479.239	479.335	242+25.350	479.271	479.367	242+25.350	479.239	479.335	242+25.350	479.271	479.367	242+25.350	479.271	479.367								
JS	242+35.350	478.914	479.125	242+35.350	479.096	479.283	242+35.350	479.237	479.431	242+35.350	479.159	479.255	242+35.350	479.000	479.196	242+35.350	479.037	479.133	242+35.350	479.037	479.133	242+35.350	479.069	479.165	242+35.350	479.037	479.133	242+35.350	479.069	479.165	242+35.350	479.069	479.165								
IS	242+45.350	478.710	478.927	242+45.350	478.892	479.079	242+45.350	479.033	479.227	242+45.350	478.955	479.151	242+45.350	478.796	478.992	242+45.350	478.833	479.029	242+45.350	478.833	479.029	242+45.350	478.865	479.062	242+45.350	478.833	479.029	242+45.350	478.865	479.062	242+45.350	478.865	479.062								
HS	242+55.350	478.506	478.727	242+55.350	478.688	478.875	242+55.350	478.829	490.023	242+55.350	478.751	478.947	242+55.350	478.590	478.786	242+55.350	478.627	478.823	242+55.350	478.627	478.823	242+55.350	478.659	478.856	242+55.350	478.627	478.823	242+55.350	478.659	478.856	242+55.350	478.659	478.856								
GS	242+65.350	478.302	478.523	242+65.350	478.484	478.671	242+65.350	478.625	478.819	242+65.350	478.547	478.743	242+65.350	478.386	478.582	242+65.350	478.423	478.619	242+65.350	478.423	478.619	242+65.350	478.455	478.652	242+65.350	478.423	478.619	242+65.350	478.455	478.652	242+65.350	478.455	478.652								
FS	242+76.770	478.099	478.329	242+76.770	478.281	478.470	242+76.770	478.421	478.617	242+76.770	478.343	478.539	242+76.770	478.182	478.378	242+76.770	478.219	478.415	242+76.770	478.219	478.415	242+76.770	478.251	478.447	242+76.770	478.219	478.415	242+76.770	478.251	478.447	242+76.770	478.251	478.447								
ES	242+86.770	477.895	478.125	242+86.770	478.077	478.266	242+86.770	478.318	478.515	242+86.770	478.240	478.426	242+86.770	478.079	478.274	242+86.770	478.116	478.302	242+86.770	478.116	478.302	242+86.770	478.148	478.336	242+86.770	478.116	478.302	242+86.770	478.148	478.336	242+86.770	478.148	478.336								
DS	242+96.770	477.691	477.921	242+96.770	477.873	478.062	242+96.770	478.114	478.310	242+96.770	478.036	478.122	242+96.770	477.875	478.061	242+96.770	477.912	478.000	242+96.770	477.912	478.000	242+96.770	477.944	478.032	242+96.770	477.912	478.000	242+96.770	477.944	478.032	242+96.770	477.944	478.032								
CS	243+06.770	477.487	477.717	243+06.770	477.669	477.858	243+06.770	477.710	477.906	243+06.770	477.632	477.718	243+06.770	477.471	477.557	243+06.770	477.508	477.594	243+06.770	477.508	477.594	243+06.770	477.540	477.626	243+06.770	477.508	477.594	243+06.770	477.540	477.626	243+06.770	477.540	477.626								
BS	243+16.770	477.283	477.513	243+16.770	477.465	477.654	243+16.770	477.506	477.702	243+16.770	477.428	477.514	243+16.770	477.267	477.353	243+16.770	477.304	477.390	243+16.770	477.304	477.390	243+16.770	477.336	477.422	243+16.770	477.304	477.390	243+16.770	477.336	477.422	243+16.770	477.336	477.422								
AS	243+26.770	477.079	477.309	243+26.770	477.261	477.450	243+26.770	477.302	477.498	243+26.770	477.225	477.311	243+26.770	477.064	477.150	243+26.770	477.101	477.187	243+26.770	477.101	477.187	243+26.770	477.133	477.219	243+26.770	477.101	477.187	243+26.770	477.133	477.219	243+26.770	477.133	477.219								
MS	243+36.770	476.875	477.105	243+36.770	477.057	477.246	243+36.770	477.098	477.294	243+36.770	477.060	477.146	243+36.770	476.901	477.087	243+36.770	476.938	477.024	243+36.770	476.938	477.024	243+36.770	476.970	477.056	243+36.770	476.938	477.024	243+36.770	476.970	477.056	243+36.770	476.970	477.056								
LS	243+46.770	476.671	476.901	243+46.770	476.853	477.042	243+46.770	476.894	477.090	243+46.770	476.852	476.938	243+46.770	476.693	476.779	243+46.770	476.730	476.816	243+46.770	476.730	476.816	243+46.770	476.762	476.848	243+46.770	476.730	476.816	243+46.770	476.762	476.848	243+46.770	476.762	476.848								
KS	243+56.770	476.467	476.697	243+56.770	476.649	476.838	243+56.770	476.690	476.736	243+56.770	476.648	476.734	243+56.770	476.489	476.575	243+56.77																									

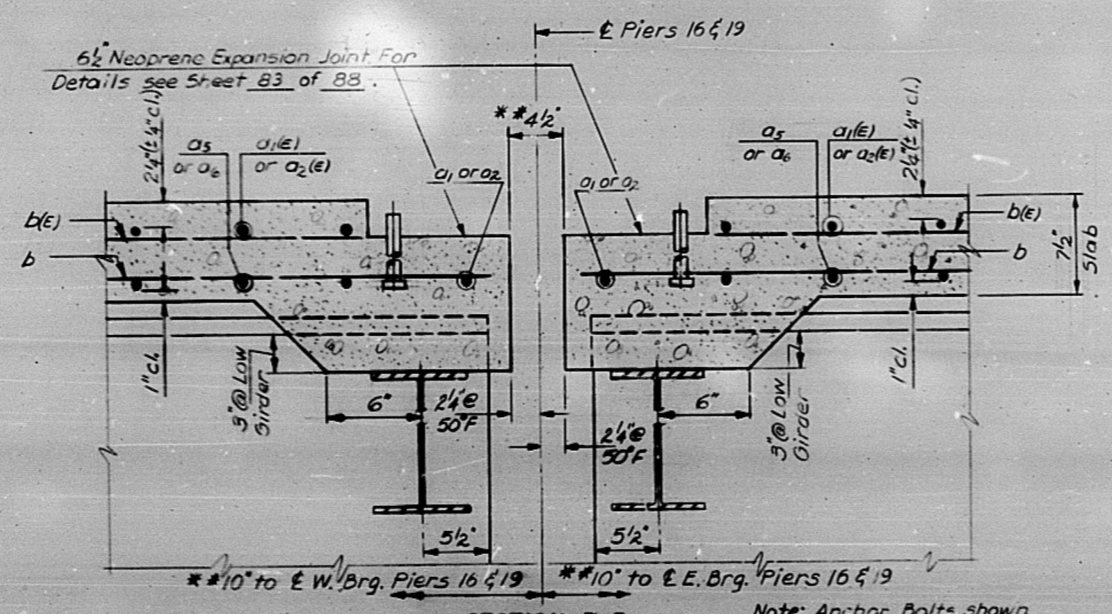
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	DATE	DESIGNER	SCALE	SHEET NO.
FA. 49	1/15/71	Peoria & Tazewell	97	39
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT		

Sheet 35 of 88



PLAN - SPANS 18 THRU 20



SECTION B-B
** Dimensions @ 50°F
Note: Anchor Bolts shown are Std. 3/8" x 6" & cast in place.

NOTES:
 Bars indicated thus: 20x3-#5 etc indicates 20 lines of bars with 3 lengths per line.
 See sheet 37 of 88 for Bill of Material for Spans 15-23 incl.
 For Light Pedestal Details see Sht. 3 of 88.
 For Drainage Scupper Details see Sheets 79 and 80.
 For Reinforcement & configuration of slab @ Scupper see Sheet 3 of 88.
 For details of Curb Section See Sh. 34 of 88.
 All dimensions shown are measured horizontally.
 For cross section See Sheet 34 of 88

Bar Size	Minimum Lap Distance
#4	1'-3"
#5	1'-8"
#6	2'-0"
#8	3'-6"

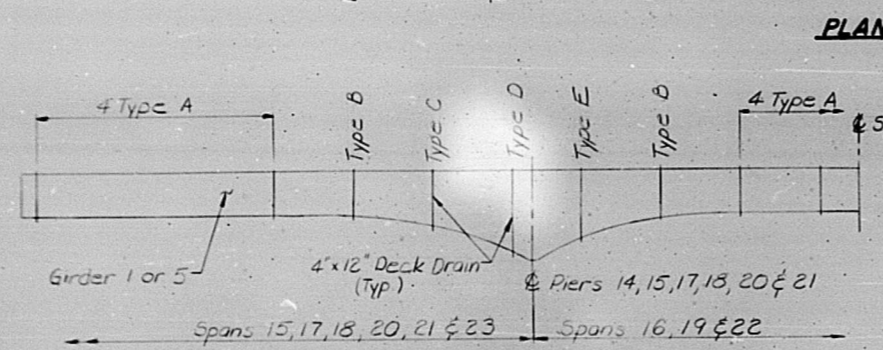
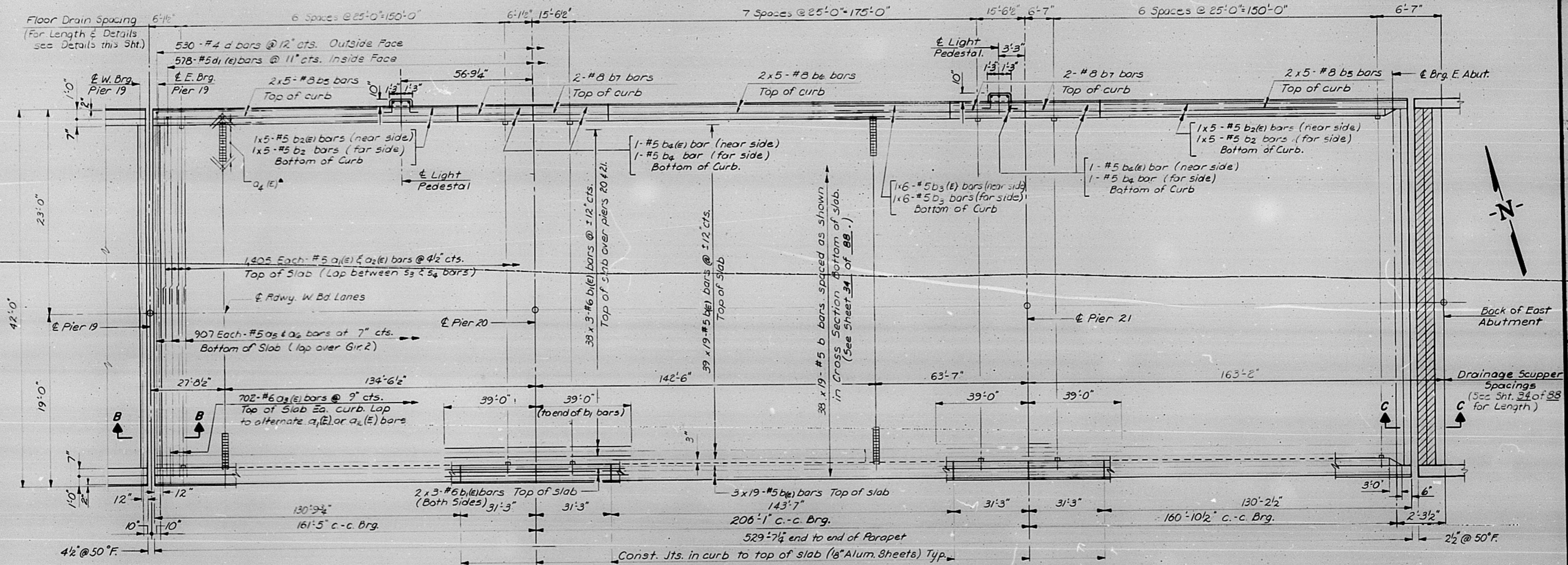
SUPERSTRUCTURE SPANS 18 THRU 20

M^cCLUGAGE BRIDGE OVER THE ILLINOIS RIVER

F.A. ROUTE 49 SEC. 115B-U-D PEORIA & TAZEWELL COUNTIES

DESIGNED D.A.N.		FILE NO.
CHECKED S.C.O.		74001
DATE		8-22-80
APPROVED D.A.N.		

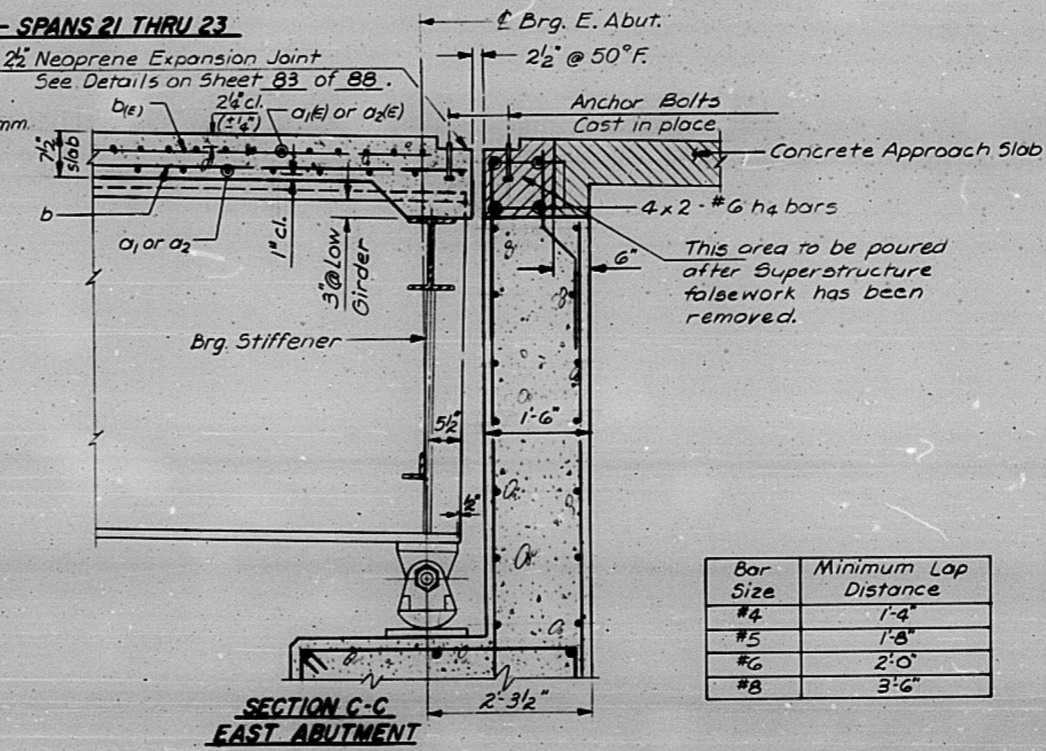
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS



DOWNSPOUT LENGTHS

Type	Length	No.
A	6'-0"	72
B	6'-4"	24
C	7'-0"	12
D	9'-10"	12
E	8'-7"	12

Note: Drains shall be located along both N. & S. curbs and clear of all diaphragms, floor beams, lateral bracing & Drainage Scuppers.



Bar Size	Minimum Lap Distance
#4	1'-4"
#5	1'-8"
#6	2'-0"
#8	3'-6"

NOTES:
 Bars indicated thus: 20 x 3 #5 etc indicates 20 lines of bars with 3 lengths per line.
 See Sheet 37 of 88 for Bill of Material for Spans 15-23 incl.
 For Section B-B see Sheet 35 of 88.
 For Light Pedestal Details see Sheet 3 of 88.
 For Drainage Scupper Details see Sheets 79 and 80.
 For Reinforcement & configuration of slab @ Scupper see Sheet 3 of 88.
 For cross section and curb section See Sh. 34 of 88.
 All dimensions shown are measured horizontally.

SUPERSTRUCTURE SPANS 21 THRU 23
M^c CLUGAGE BRIDGE OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. 15B-1-D PEORIA & TAZEWELL COUNTIES

DRAWN: D.A.M.		FILE NO.
CHECKED: S.C.O.		74001
DRAWN: DAN		DATE
CHECKED: S.C.O.		8-22-84

Note: For Deck Drain Details and Connection See Sht. 3 of 88

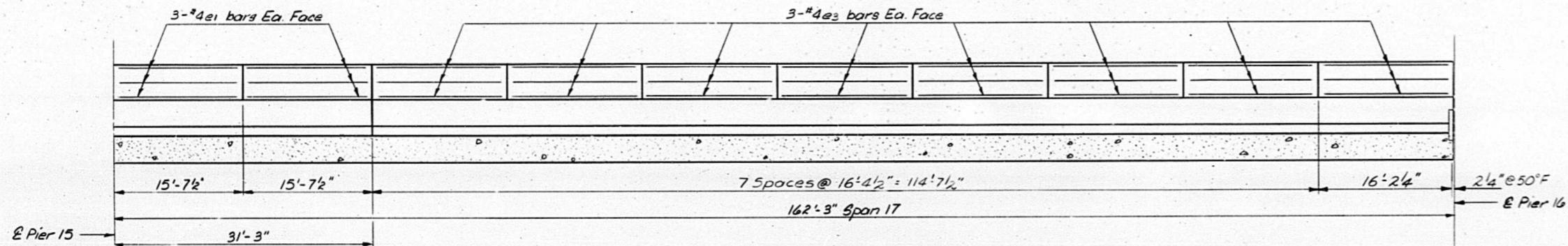
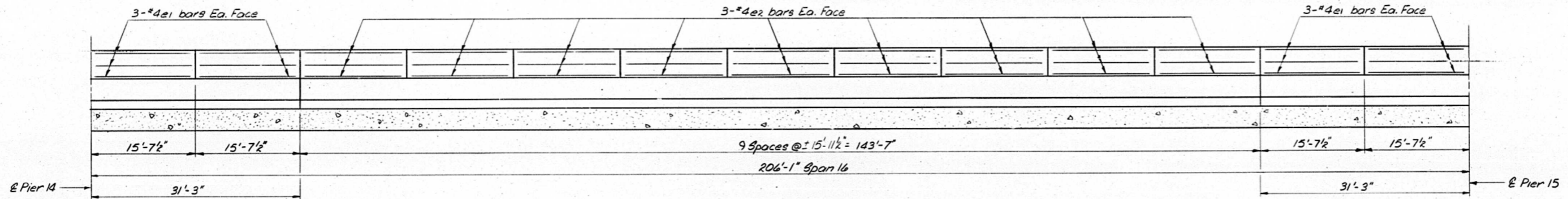
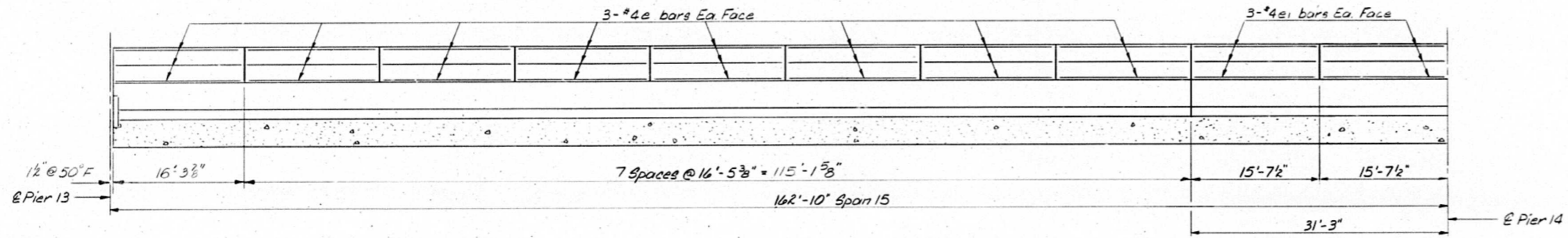
Locate braces @ third points on the girder web. (2 req'd ea. Drain)

SECTION THRU CURB

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 49	115B-11-D	PEORIA & TAZEWELL	97	42
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT		

Sheet 38 of 58



ELEVATION - CURB & PARAPET
Showing inside face - Spans 15 thru 17

Note: All dimensions shown are measured horizontally.

CURB & PARAPET — SPANS 15,16,17

M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-11)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED R.J.F.
CHECKED S.C.O.
DRAWN R.J.F.
CHECKED W.E.B.

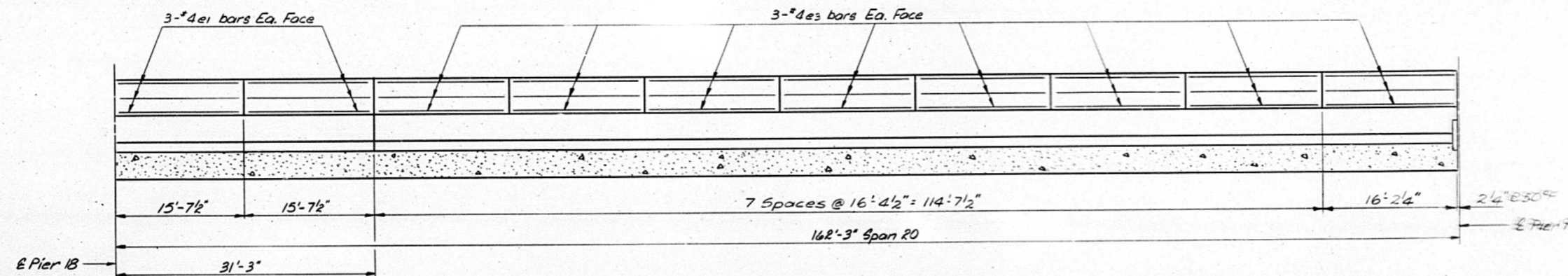
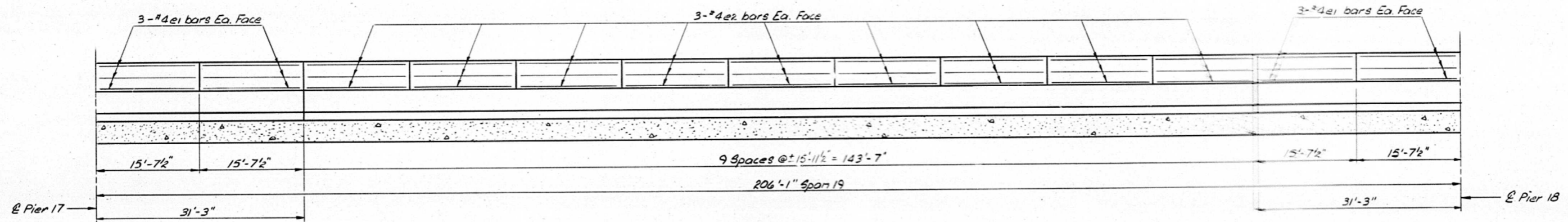
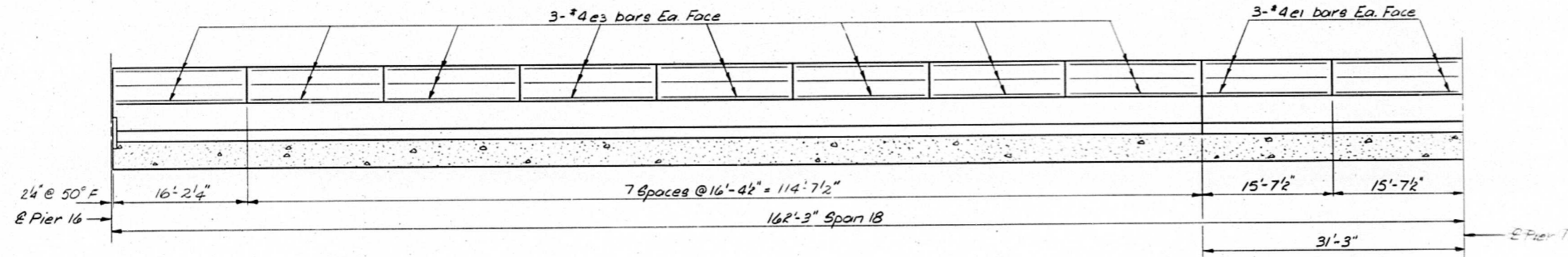


FILE NO. 74001
DATE 8-22-80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 49	(15B-1) D	PEORIA & TAZEWELL	97	43
FED. ROAD DIST. NO. 7		ILLINOIS	PROJECT	

Sheet 39 of 88



ELEVATION - CURB & PARAPET
Showing inside face - Spans 18 thru 20

Note: All dimensions shown are measured horizontally.

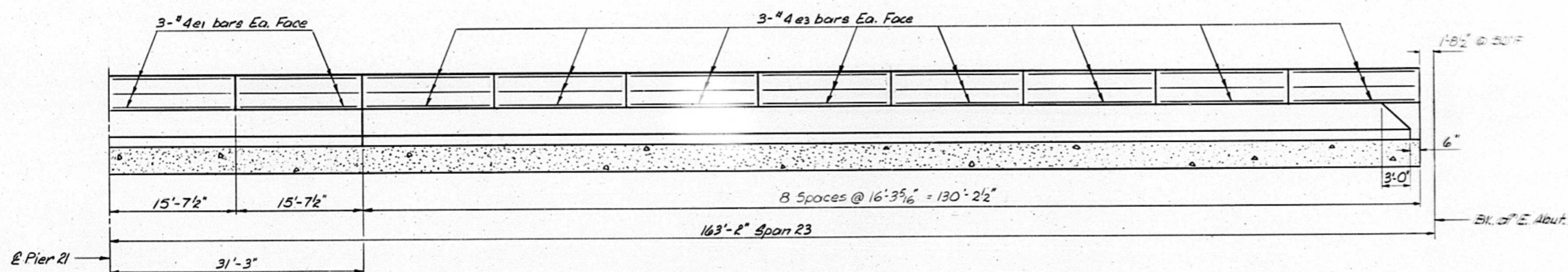
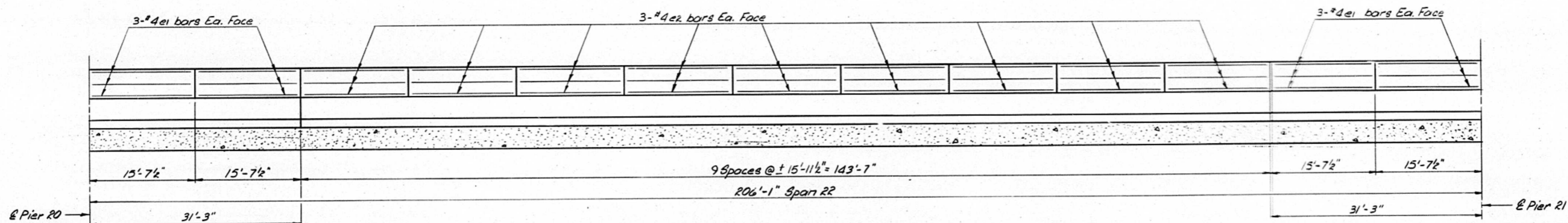
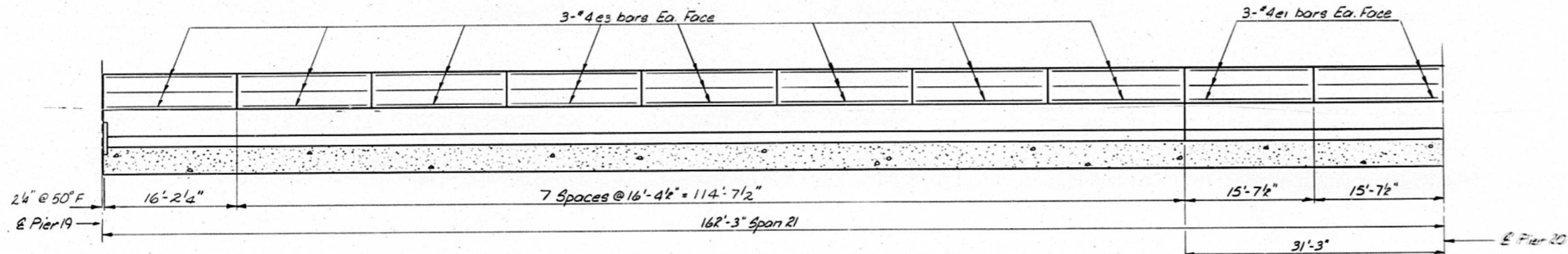
CURB & PARAPET - SPANS 18, 19, 20
M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED R.J.F.		FILE NO.
CHECKED S.C.O.		74001
DRAWN R.J.F.		DATE
CHECKED W.E.B.		6-22-80
SPRINGFIELD, ILLINOIS		PEORIA, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 49 (15B-1)-D		PEORIA & TAZEWELL	97	44
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT		

Sheet 40 of 88



Note: All dimensions shown are measured horizontally.

ELEVATION - CURB & PARAPET
Showing inside face - Spans 21 thru 23

CURB & PARAPET — SPANS 21, 22, 23

M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 (SEC. 15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED R.J.F.
CHECKED S.C.O.
DRAWN R.J.F.
CHECKED W.E.B.



FILE NO. 74001
DATE 8-22-80

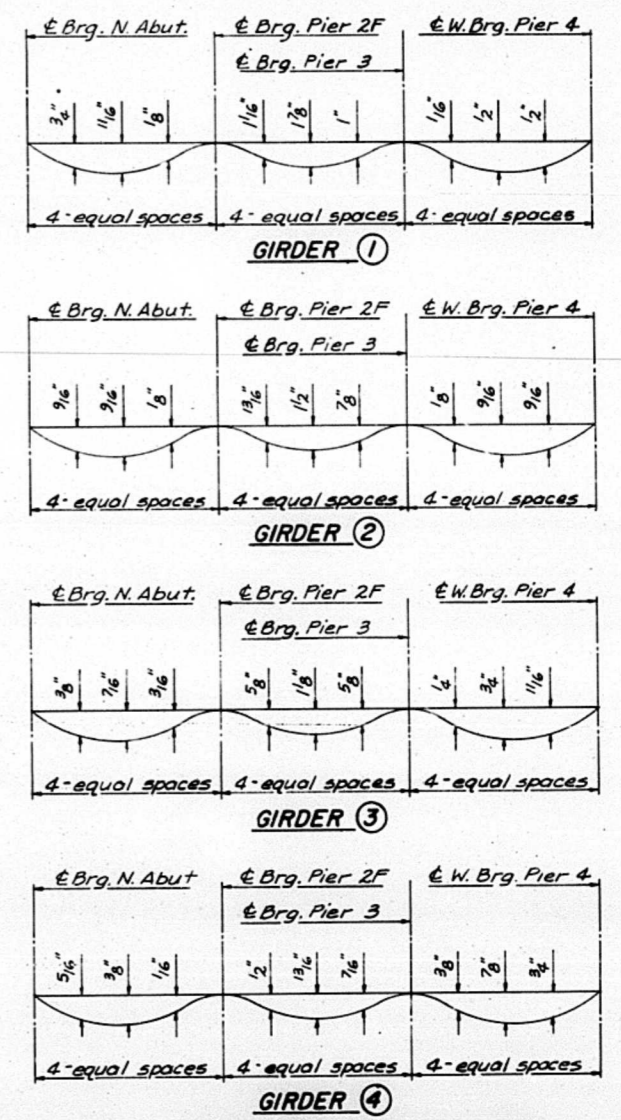
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

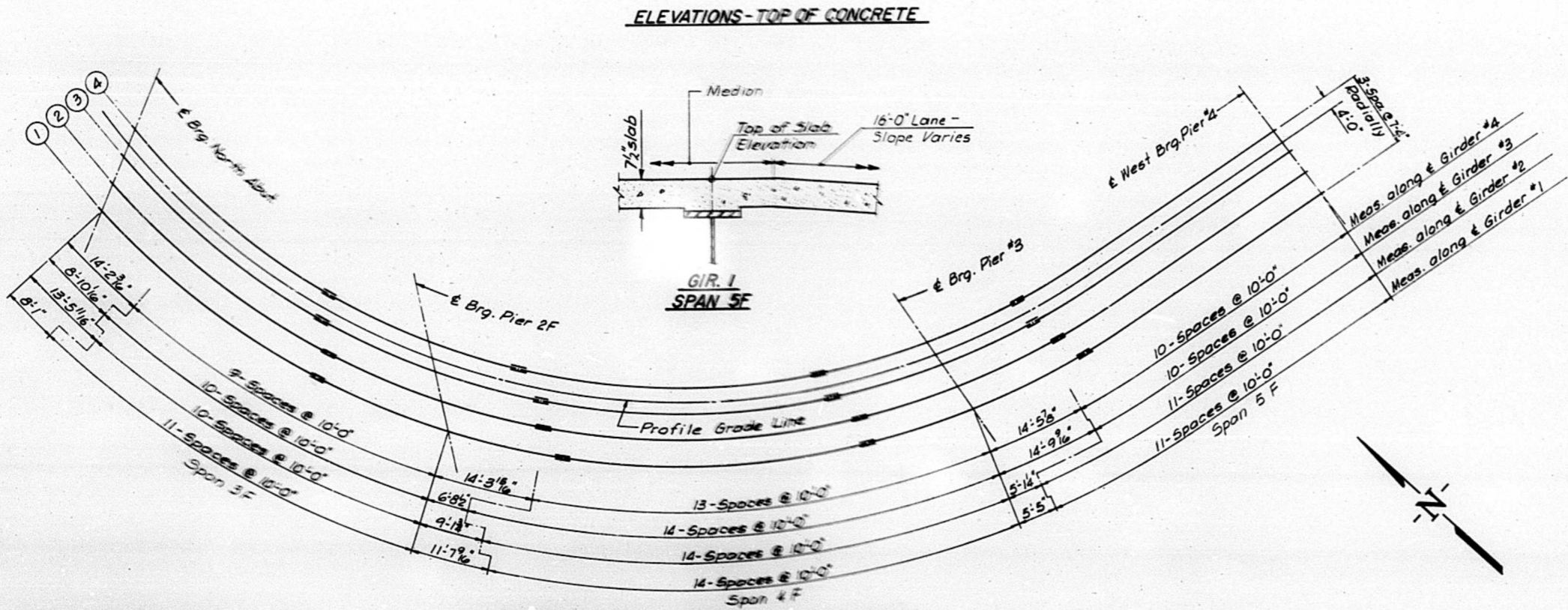
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA-49	(15B-1)-D	PEORIA AND TAZEWELL	97	45
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Sheet 41 of 88

	GIRDER 1			GIRDER 2			GIRDER 3			GIRDER 4		
	STATION	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION	STATION	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION	STATION	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION	STATION	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
W Brg. Pier 4	5+94.544	499.432	499.432	5+94.946	499.313	499.313	6+35.347	499.104	499.104	5+95.749	498.892	498.892
	6+04.544	499.625	499.625	6+04.946	499.503	499.503	6+05.347	499.262	499.262	6+05.749	499.017	499.017
	6+14.544	499.835	499.835	6+14.946	499.701	499.701	6+15.347	499.425	499.425	6+15.749	499.147	499.147
	6+24.544	500.049	500.049	6+24.946	499.897	499.897	6+25.347	499.589	499.589	6+25.749	499.278	499.278
Spaces @ 10'-0" cts. Along & Girder	6+34.544	500.267	500.267	6+34.946	500.094	500.094	6+35.347	499.752	499.752	6+35.749	499.407	499.407
	6+44.544	500.490	500.490	6+44.946	500.291	500.291	6+45.347	499.916	499.916	6+45.749	499.538	499.538
	6+54.544	500.716	500.716	6+54.946	500.488	500.488	6+55.347	500.079	500.079	6+55.749	499.668	499.668
	6+64.544	500.943	500.943	6+64.820	500.683	500.683	6+65.300	500.242	500.242	6+65.816	499.799	499.799
	6+74.544	501.158	501.158	6+74.326	500.870	500.870	6+75.140	500.403	500.403	6+76.015	499.932	499.932
	6+84.544	501.372	501.372	6+84.831	501.057	501.057	6+84.980	500.564	500.564	6+86.214	500.065	500.065
	6+94.544	501.586	501.586	6+93.336	501.244	501.244	6+94.820	500.725	500.725	6+96.413	500.198	500.198
	7+04.544	501.805	501.805	7+02.842	501.428	501.428						
Brg. Pier 3	7+06.118	501.912	501.912	7+07.689	501.509	501.509	7+08.373	500.944	500.944	7+11.184	500.378	500.378
	7+15.311	502.184	502.184	7+17.194	501.617	501.617	7+18.212	501.051	501.051	7+21.383	500.484	500.484
	7+24.504	502.271	502.271	7+26.700	501.702	501.702	7+29.053	501.134	501.134	7+31.582	500.565	500.565
	7+33.697	502.358	502.358	7+36.205	501.766	501.766	7+38.893	501.194	501.194	7+41.781	500.619	500.619
	7+42.890	502.384	502.384	7+45.711	501.807	501.807	7+48.733	501.229	501.229	7+51.980	500.649	500.649
	7+52.083	502.409	502.409	7+55.216	501.826	501.826	7+58.573	501.241	501.241	7+62.179	500.653	500.653
	7+61.275	502.415	502.415	7+64.721	501.823	501.823	7+68.413	501.229	501.229	7+72.378	500.631	500.631
Spaces @ 10'-0" cts. Along & Girder	7+70.468	502.397	502.397	7+74.227	501.797	501.797	7+78.253	501.194	501.194	7+82.577	500.583	500.583
	7+79.661	502.360	502.360	7+83.732	501.749	501.749	7+88.093	501.134	501.134	7+92.776	500.510	500.510
	7+88.854	502.302	502.302	7+93.238	501.680	501.680	7+97.933	501.051	501.051	8+02.975	500.412	500.412
	7+98.047	502.223	502.223	8+02.743	501.587	501.587	8+07.773	500.944	500.944	8+13.174	500.288	500.288
	8+07.239	502.123	502.123	8+12.248	501.473	501.473	8+17.613	500.813	500.813	8+23.373	500.138	500.138
	8+16.432	502.003	502.003	8+21.754	501.337	501.337	8+27.453	500.658	500.658	8+33.572	499.963	499.963
	8+25.625	501.862	501.862	8+31.259	501.178	501.178	8+37.293	500.480	500.480	8+43.771	499.762	499.762
	8+34.818	501.700	501.700	8+40.765	500.997	500.997	8+47.133	500.277	500.277			
Brg. Pier 2F	8+45.508	501.485	501.485	8+49.457	500.812	500.812	8+53.735	500.128	500.128	8+58.387	499.430	499.430
	8+54.700	501.278	501.278	8+58.962	500.588	500.588	8+62.375	499.886	499.886	8+68.586	499.167	499.166
	8+63.893	501.051	501.051	8+68.468	500.343	500.343	8+72.413	499.620	499.620	8+78.785	498.878	498.881
	8+73.086	500.802	500.802	8+77.973	500.075	500.075	8+83.255	499.350	499.350	8+88.984	498.564	498.576
	8+82.279	500.553	500.553	8+87.479	499.785	499.785	8+93.095	499.017	499.017	8+99.183	498.224	498.245
	8+91.472	500.245	500.245	8+96.984	499.472	499.472	9+02.335	498.679	498.679	9+09.382	497.859	497.887
	9+00.664	499.953	499.953	9+06.489	499.138	499.138	9+12.775	498.318	498.318	9+19.581	497.468	497.500
	9+09.857	499.601	499.601	9+15.995	498.781	498.781	9+22.615	497.933	497.933	9+29.780	497.051	497.083
	9+19.050	499.249	499.249	9+25.500	498.402	498.402	9+32.455	497.525	497.525	9+39.979	496.609	496.636
	9+28.243	498.876	498.876	9+35.006	498.001	498.001	9+42.295	497.092	497.092	9+50.178	496.147	496.165
	9+37.436	498.482	498.482	9+44.511	497.578	497.578	9+52.135	496.629	496.629			
	9+46.629	498.067	498.067									
Brg. No. Abut.	9+54.059	497.664	497.664	9+57.318	496.925	496.925	9+60.834	496.192	496.192	9+64.642	495.465	495.465



DEAD LOAD DEFLECTION DIAGRAMS
(INCLUDES WEIGHT OF CONCRETE ONLY)
Note: The above deflections are not to be used in the field if the engineer is working from the slab elevations adjusted for dead load deflection shown in table above.



DIAGRAMMATIC PLAN - TOP OF SLAB ELEVATIONS

Note: All dimensions shown in plan are measured horizontally.

Note: For notes on method of determining fillet heights see Sheet 30 of 88.

TOP OF SLAB ELEVATIONS
RAMP F - SPANS 3F, 4F & 5F
M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

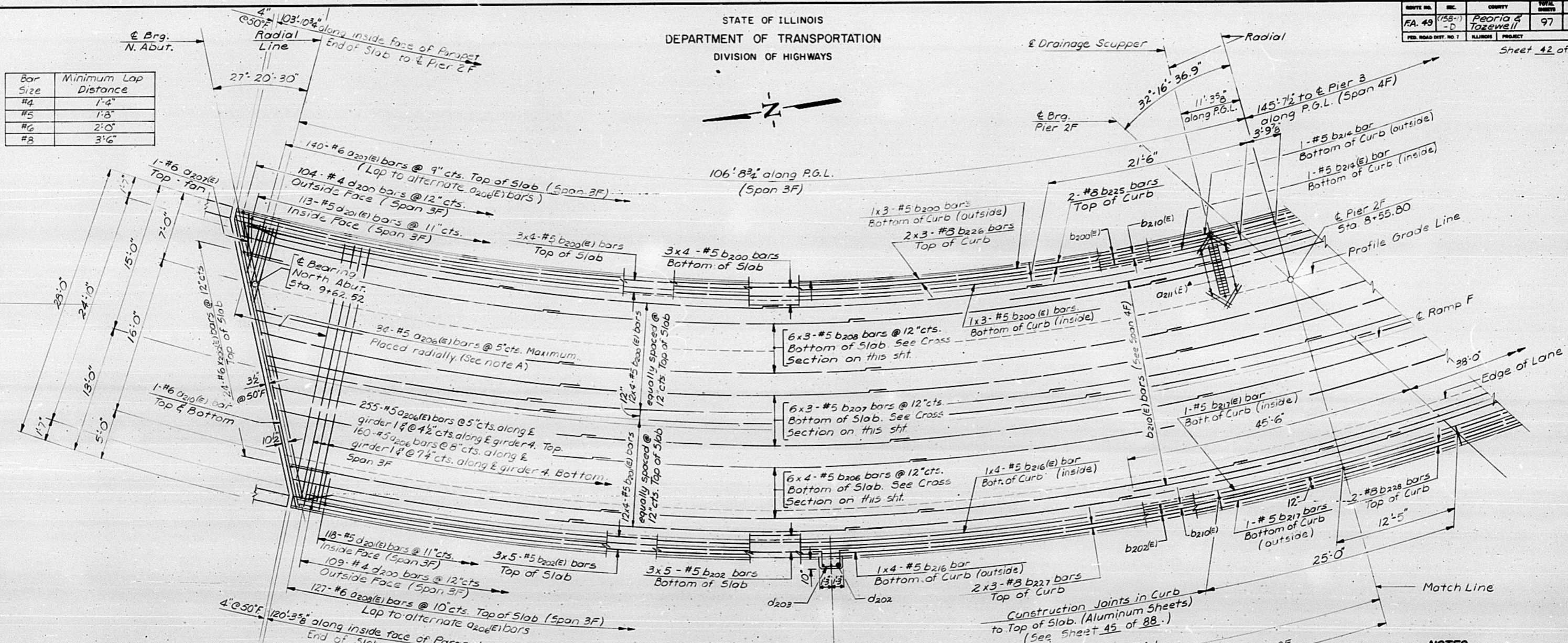
DESIGNED BY WDL	<p>HANSON ENGINEERS INCORPORATED SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS</p>	FILE NO. 74001
CHECKED BY RAH		DATE 8-22-80
DESIGNED BY DAN		
CHECKED BY WDL		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 49	(158-1)-D	PEORIA & TAZEWELL	97	46
FED. ROAD DIST. NO. 7		ALIGNMENT	PROJECT	

Sheet 42 of 88

Bar Size	Minimum Lap Distance
#4	1'-4"
#5	1'-8"
#6	2'-0"
#8	3'-6"



PLAN

NOTES

For Section at N. Abut & curb Section See Sheet 45

For Light Pedestal Details see Sht. 3 of 88.

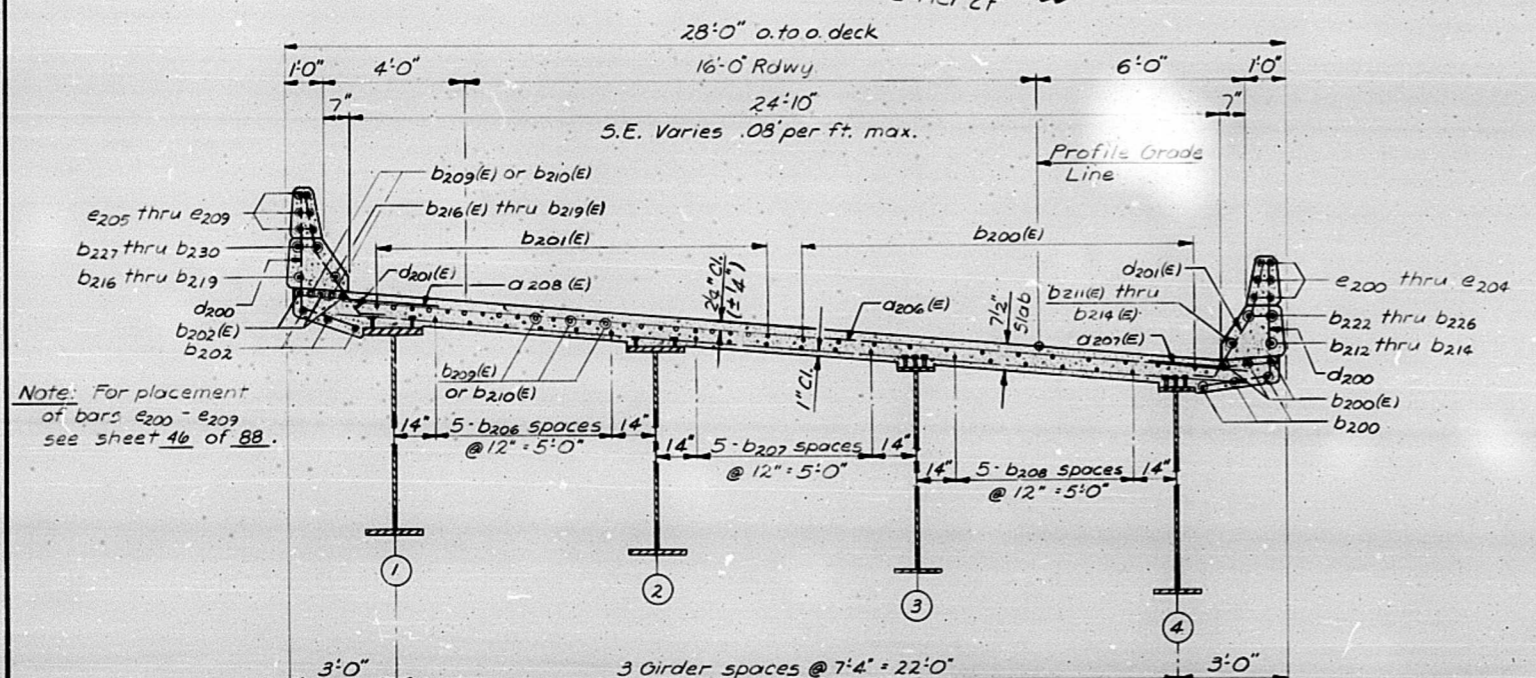
For Drainage Scupper Details see Shts. 79 & 80

For Reinforcement & configuration of slab at Scupper see Sheet 3 of 88.

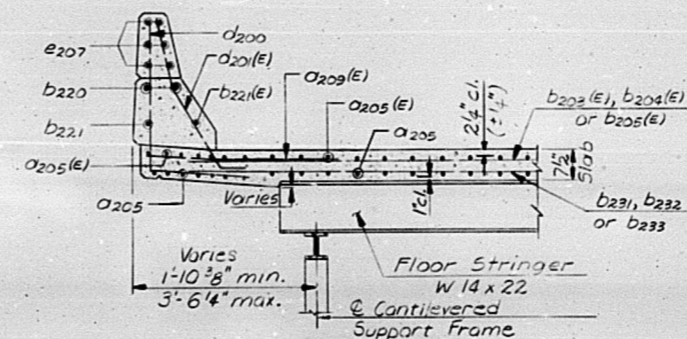
Bars indicated thus: 20x3-#5, etc. indicates 20 lines of bars with 3 lengths per line.

Note A: Order a206(e) bars full length, cut bars in field to fit skew and use remainder of bars in bottom of slab. See Special Provisions for the procedure for epoxy coating of cut reinforcement bars.

All dimensions shown are measured horizontally.



NEAR PIER CROSS SECTION NEAR MIDSPAN
(LOOKING IN THE DIRECTION OF RAMP F STATIONING.)



SECTION C-C
(From Sheet 44 of 88.)

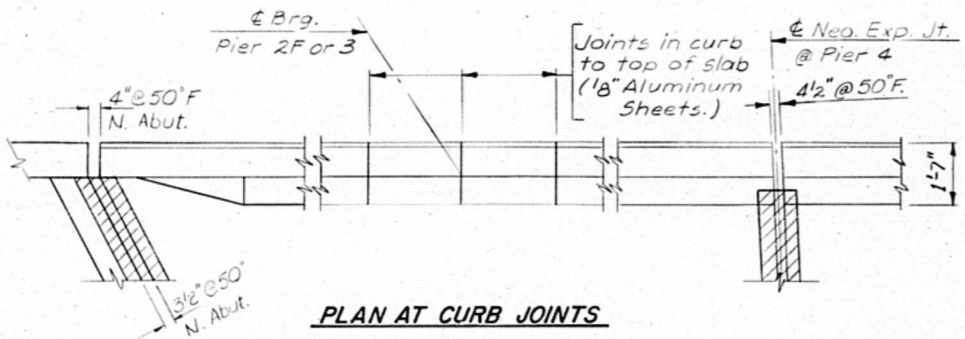
RAMP F SUPERSTRUCTURE SPAN 3F

M^c CLUGAGE BRIDGE OVER THE ILLINOIS RIVER

F.A. ROUTE 49 SEC. (158-1)-D PEORIA & TAZEWELL COUNTIES

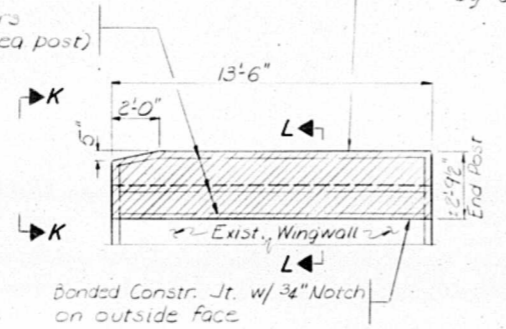
DESIGNED DAN		FILE NO. 74001
CHECKED WDL		DATE
DRAWN DAN		8-22-80
CHECKED C.R.M.		

SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

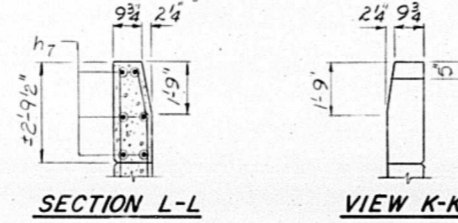


PLAN AT CURB JOINTS

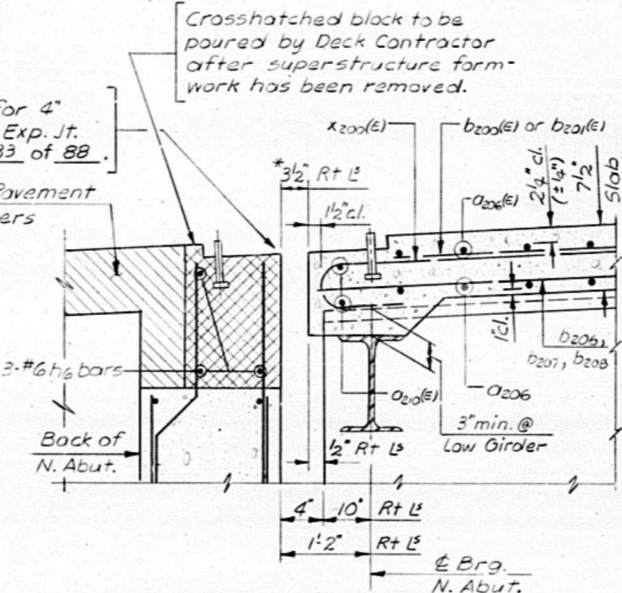
End Post shall be poured after bridge parapet is in place. Form top surface to match parapet grade.
3-#4 n₇ bars (eq face - eq post)



ELEVATION OF END POST
(Showing Outside Face)

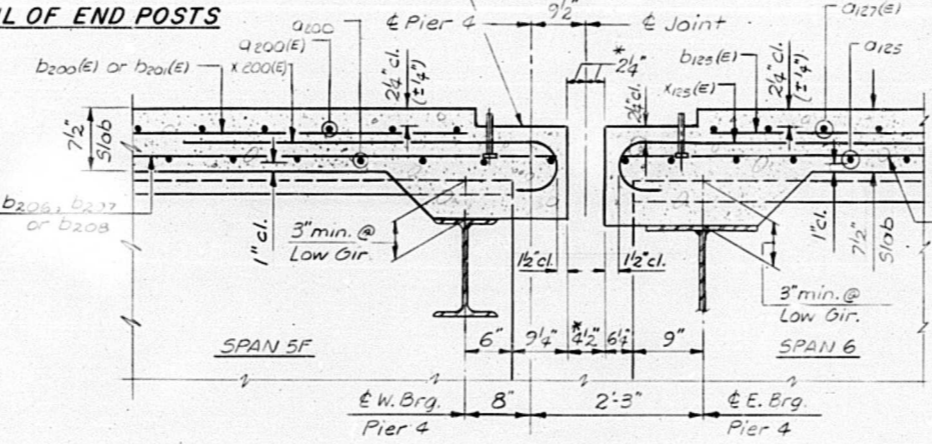


DETAIL OF END POSTS

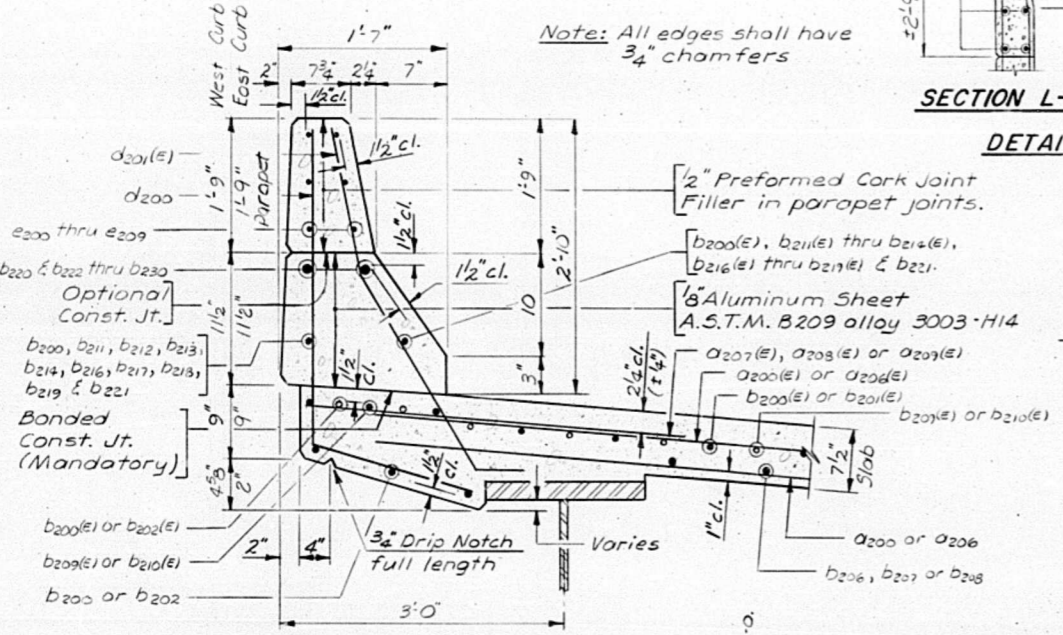


SECTION AT NORTH ABUTMENT
(* Dimension @ 50°F.)
(From Sheet 42 of 88)

Opening for 6/2" Neoprene Expansion Joint. See Details on Sheet 83 of 88. (Quantity included in Bill of Material for Spans 4 & 5.)

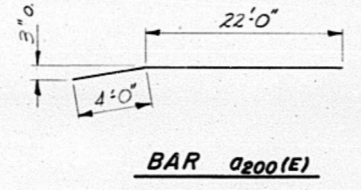


SECTION F-F
(* Dimension @ 50°F.)
(From Sheet 44 of 88)

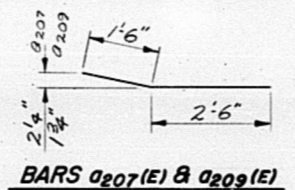


SECTION THRU CURB

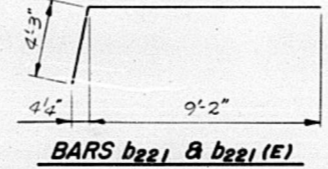
Cost of Aluminum Sheets shall be incidental to cost of Class X Concrete.



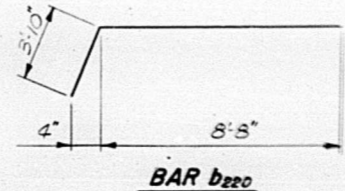
BAR a200(E)



BARS a207(E) & a209(E)



BARS b221 & b221(E)



BAR b220

BARS a201(E), a202(E), a203(E), a204(E), a205(E), x200 & x200(E)

RAMP F
BILL OF MATERIAL

BAR NO.	BAR NO.	SIZE	LENGTH	SHAPE
a201(E)	205	#6	26'-0"	
a201(E)	316	#6	4'-3"	
a202(E)	82	#6	6'-8"	
a203(E)	24	#6	3'-2"	
a204(E)	13	#6	10'-2"	
a205(E)	18	#6	12'-2"	
a206(E)	667	#5	26'-0"	
a207(E)	452	#6	4'-0"	
a208(E)	316	#6	4'-0"	
a209(E)	6	#6	4'-0"	
a210(E)	2	#6	29'-7"	
a211(E)	48	#5	2'-0"	
b200(E)	213	#5	28'-3"	
b201(E)	168	#5	29'-3"	
b202(E)	30	#5	28'-8"	
b203(E)	17	#5	30'-6"	
b204(E)	2	#5	18'-0"	
b205(E)	2	#5	13'-0"	
b206	72	#5	33'-8"	
b207	72	#5	33'-0"	
b208	72	#5	32'-5"	
b209(E)	75	#6	28'-8"	
b210(E)	81	#6	29'-3"	
b212(E)	2	#5	22'-8"	
b213(E)	4	#5	26'-3"	
b214(E)	2	#5	21'-2"	
b216(E)	4	#5	24'-11"	
b217(E)	6	#5	24'-8"	
b218(E)	4	#5	27'-1"	
b219(E)	1	#5	19'-8"	
b220	2	#8	12'-6"	
b221	1	#5	13'-5"	
b222	6	#8	33'-6"	
b223	4	#8	22'-8"	
x200(E)	72	#6	4'-6"	

RAMP F
BILL OF MATERIAL (Cont'd.)

BAR NO.	BAR NO.	SIZE	LENGTH	SHAPE
b224	6	#8	36'-9"	
b225	4	#8	21'-2"	
b226	6	#8	30'-6"	
b227	6	#8	33'-11"	
b228	4	#8	24'-8"	
b229	6	#8	36'-8"	
b230	2	#8	19'-8"	
b231	13	#5	30'-10"	
b232	2	#5	12'-0"	
d200	640	#4	4'-10"	L
d201(E)	695	#5	3'-11"	L
d202	6	#6	4'-5"	L
d203	10	#6	8'-11"	L
d204	22	#6	4'-10"	L
e200	30	#4	18'-2"	
e201	24	#4	11'-0"	
e202	66	#4	16'-0"	
e203	24	#4	10'-3"	
e205	24	#4	12'-0"	
e206	6	#4	20'-3"	
e207	6	#4	7'-9"	
e208	36	#4	15'-3"	
e209	36	#4	16'-9"	
Class X Concrete		Cu.Yds.	324.8	
Reinforcement Bars		Lbs.	36,710	
Reinforcement Bars (Epoxy Coated)		Lbs.	56,160	
Neoprene Expansion Joint (4')		Lin.Ft.	31.4	
Drainage Scuppers		Each	3	
Stud Shear Connectors		Each	2,730	
Protective Coat		Sq.Yds.	1,376.3	

NOTES

Reinforcement bars designated (E) shall be epoxy coated. See Special Provisions.

See Sheets 42 & 44 for location of Light Pedestal Reinforcement Bars a202 & a203.

BAR	LENGTH	SHAPE
a201	4'-0"	
a202	6'-0"	
a203	7'-6"	
a204	7'-6"	
a205	11'-6"	

RAMP F
SUPERSTRUCTURE DETAILS
M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC.(15B-1)-D
PEORIA & TAZEWELL COUNTIES

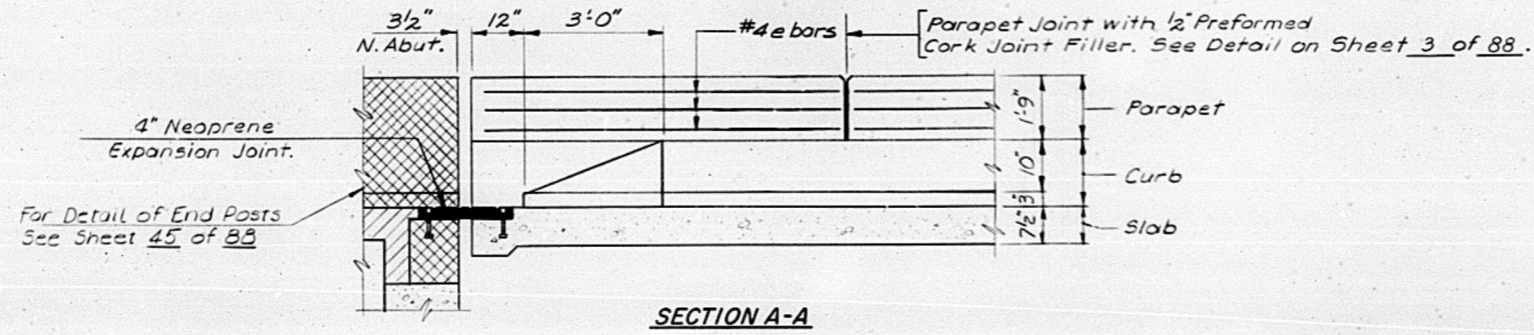
DESIGNED D.A.N.
CHECKED C.R.N.
DRAWN D.A.N.
CHECKED C.R.M.

FILE NO. 74001
DATE 8-22-80
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

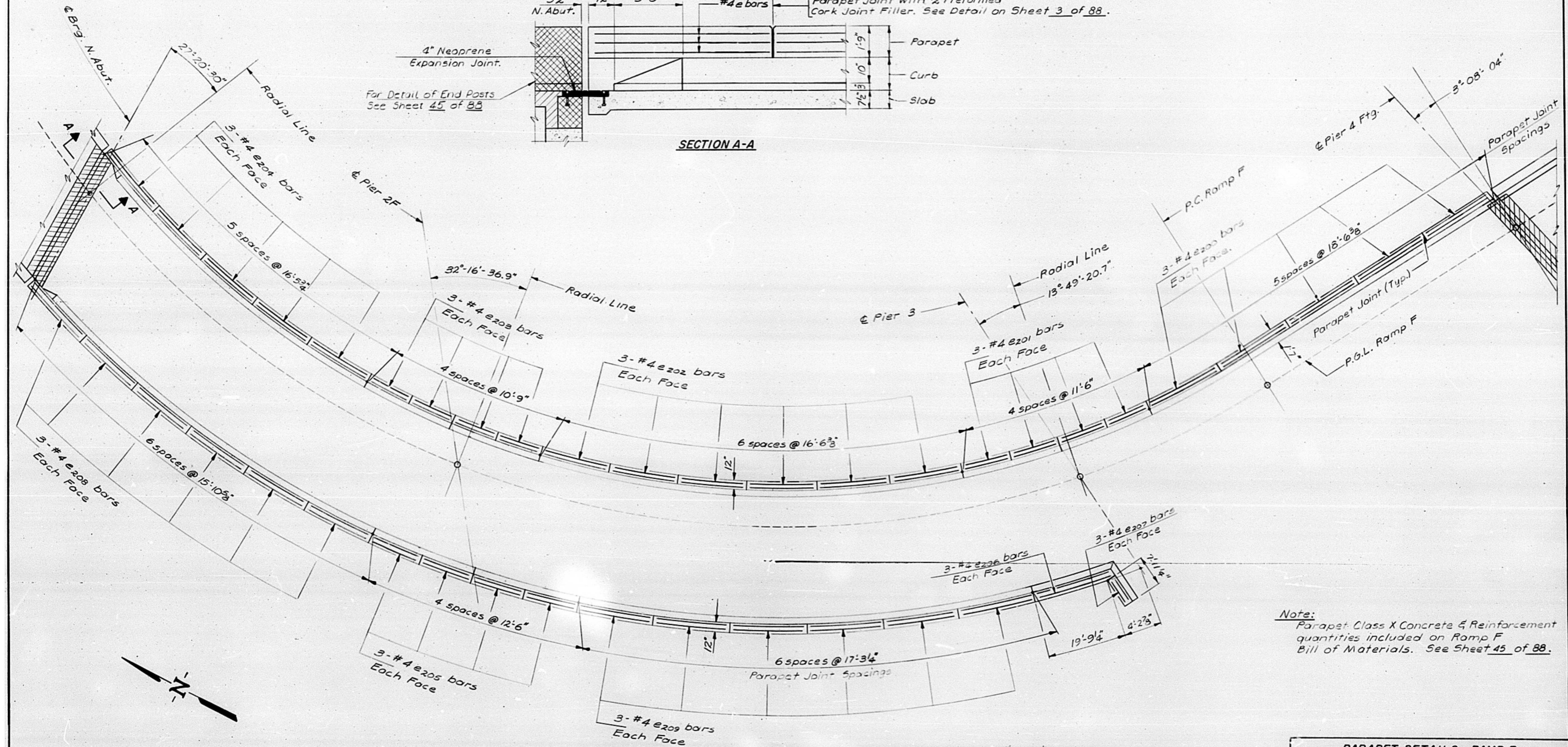
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 49	(15B-1)-D	PEORIA & TAZEWELL	97	50
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Sheet 46 of 88



SECTION A-A



PLAN - JOINTS IN PARAPET

Note: Parapet Class X Concrete & Reinforcement quantities included on Ramp F Bill of Materials. See Sheet 45 of 88.

Note: All dimensions shown are measured horizontally.

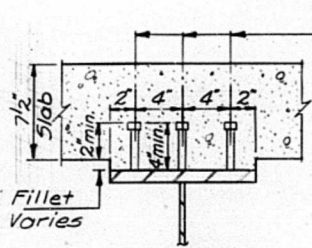
PARAPET DETAILS - RAMP F

McCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED D.A.N.
CHECKED C.R.N.
DRAWN D.A.N.
CHECKED C.R.N.

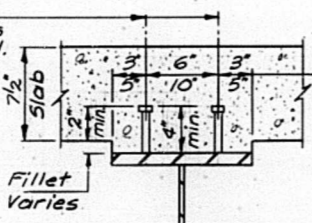


FILE NO. 74001
DATE 8-22-80

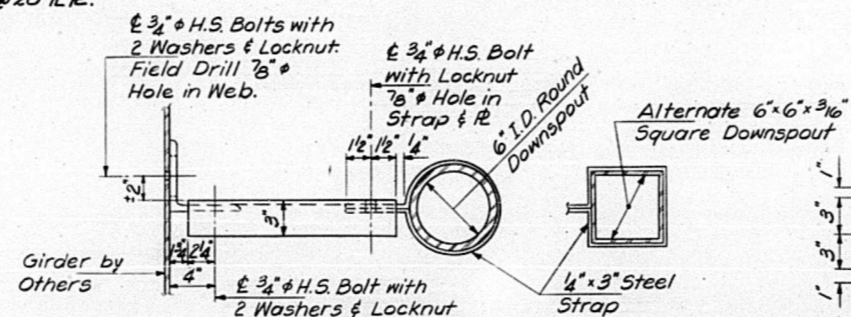


SHEAR STUDS
PIER 4 to SPLICE 1
SPLICE 2 to SPLICE 3
SPLICE 4 to N. ABUT.

3/4" φ Granular or solid
flux filled headed studs
automatically endwelded.
(No. Req'd. = 2730)



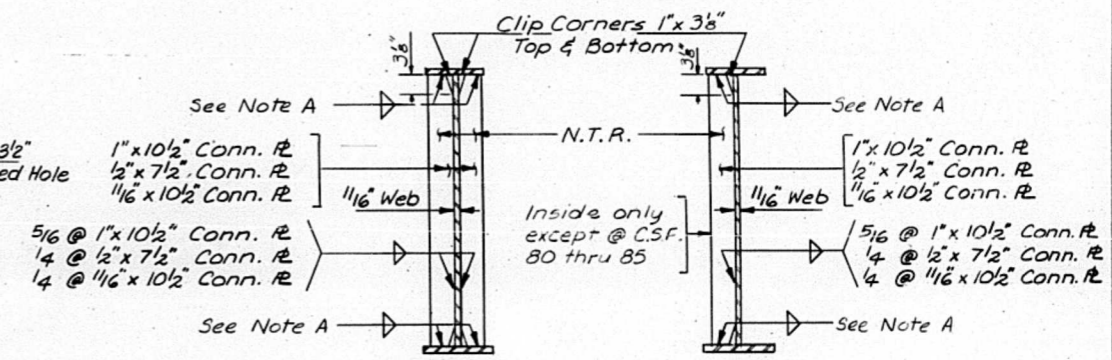
SHEAR STUDS
SPLICE 1 to SPLICE 2
SPLICE 3 to SPLICE 4



SECTION A-A

SECTION B-B

DRAINAGE SCUPPER DETAILS



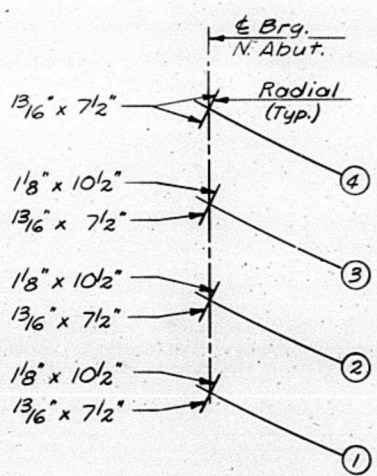
At Girders 2 & 3

At Girders 1 & 4

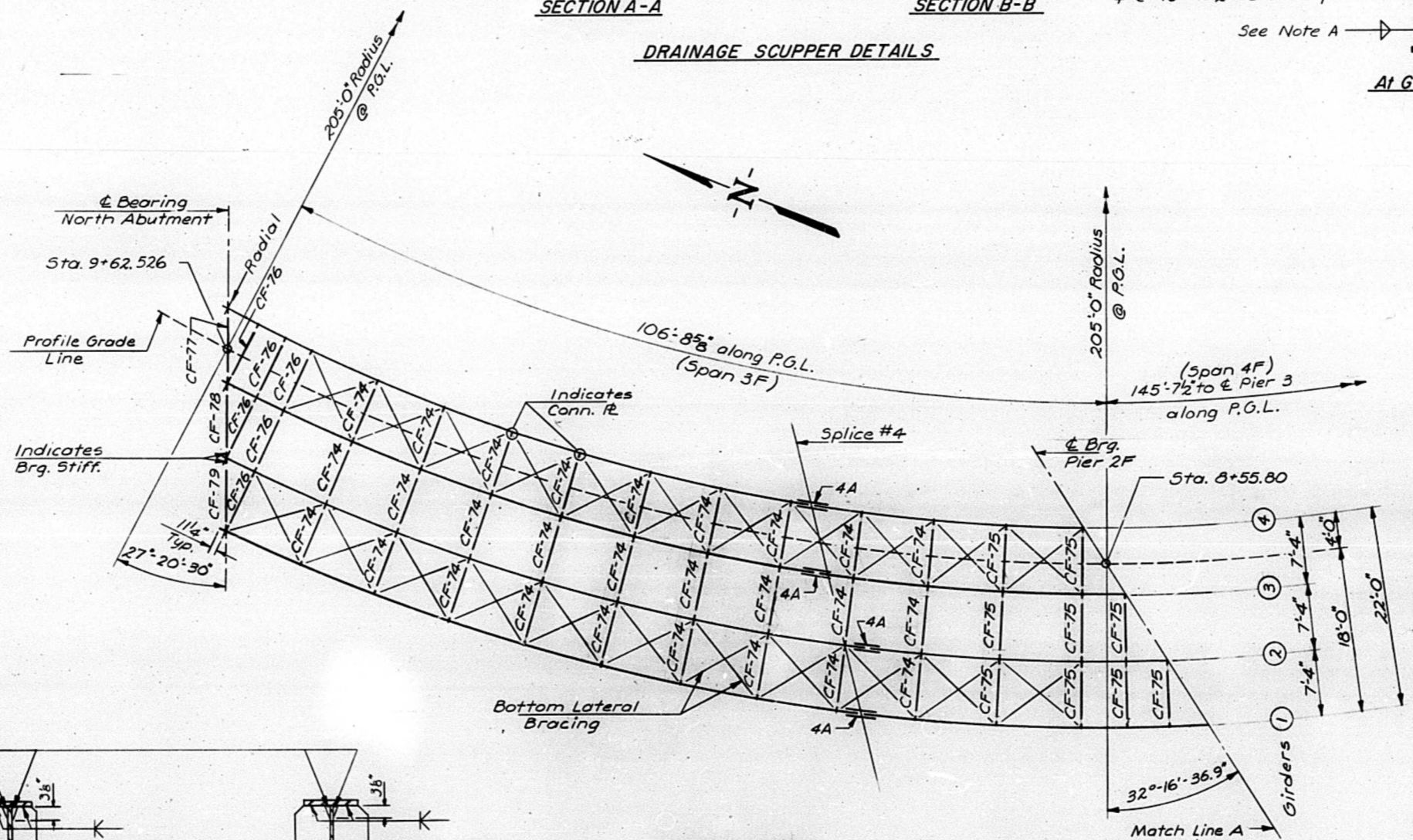
CONNECTING PLATES

For locations of Conn. R's
see Ramp F - Girder Details.
All Conn. R's - M183 Steel

Note A:
7/16" @ 1" Conn. R
5/16" @ 1/2" Conn. R
3/8" @ 1/4" Conn. R

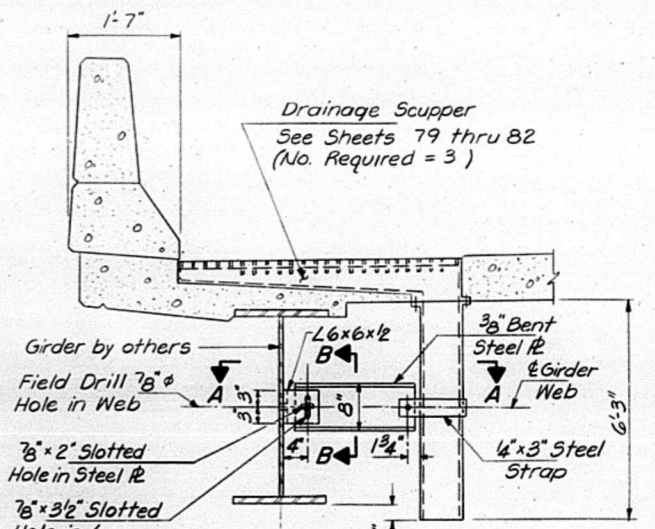


BEARING STIFFENERS
AT NORTH ABUTMENT



FRAMING PLAN
(Span 3F)

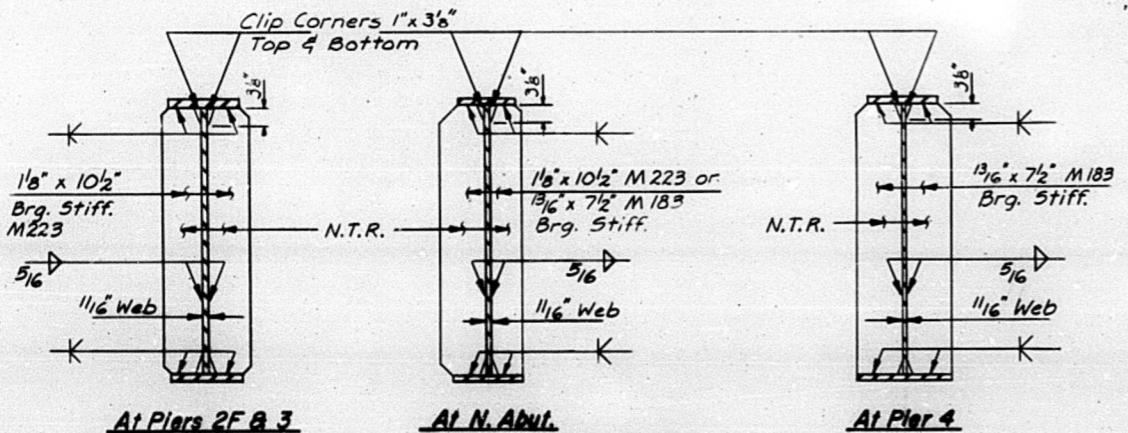
Note: All dimensions shown are
measured horizontally.



SECTION AT DRAINAGE SCUPPER

NOTES

All work on this Sheet is by others except
Stud Shear Connectors and Scupper Details.



At Piers 2F & 3

At N. Abut.

At Pier 4

BEARING STIFFENERS

For locations of Brg. Stiff's.
see Ramp F - Girder Details.

STRUCTURAL STEEL FRAMING PLAN
RAMP F - SPAN 3F

M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

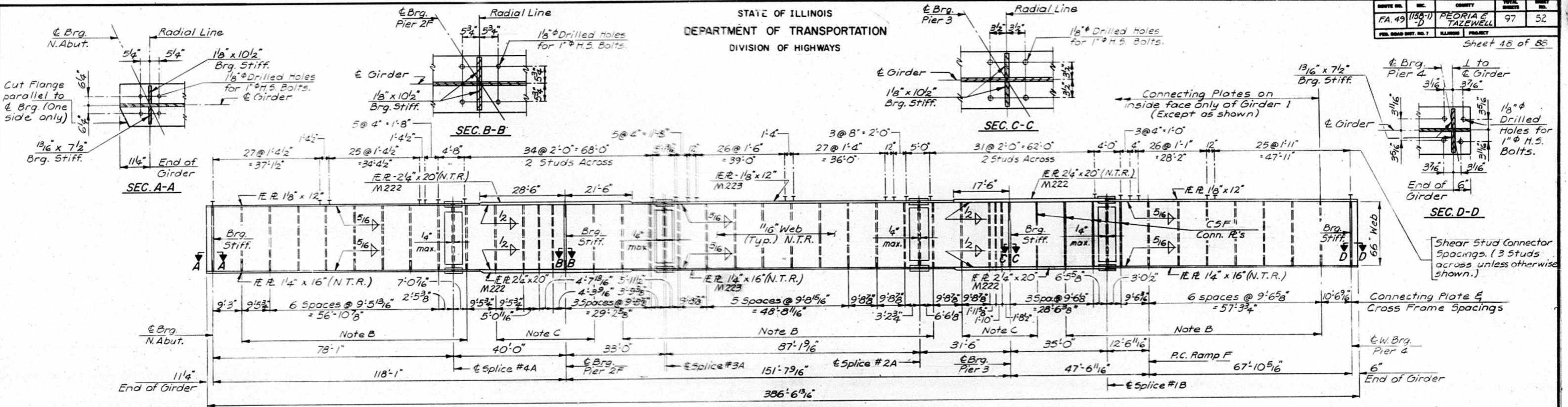
DESIGNED BY: W.D.L.
CHECKED BY: CRN
DATE: 8-22-80

HANSON ENGINEERS
INCORPORATED
PEORIA, ILLINOIS

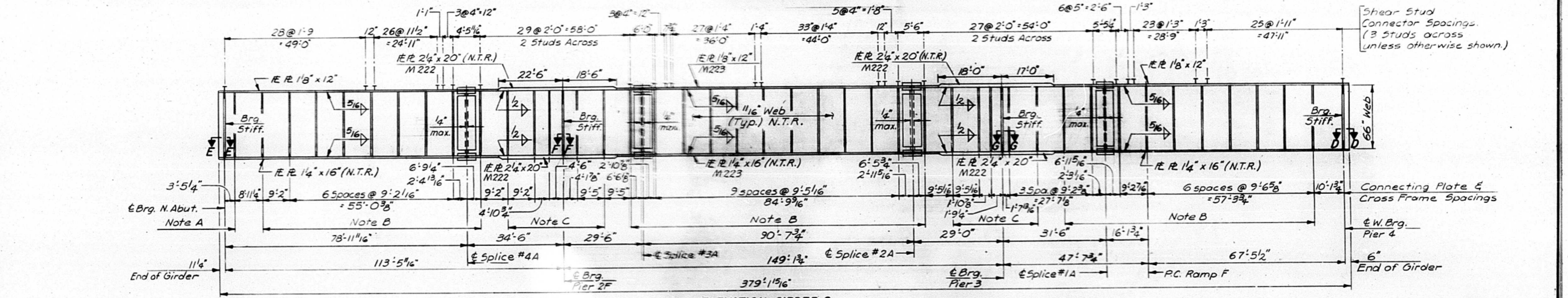
PROJECT NO: 74001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

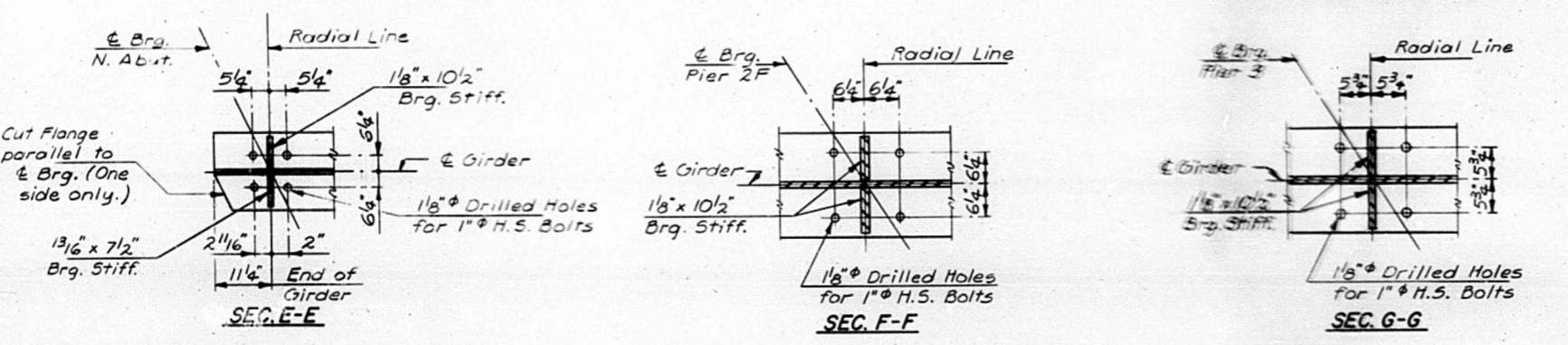
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 49	(15B-1)-D	PEORIA & TAZEWELL	97	52
FILE ROAD DIST. NO. 1		ILLINOIS PROJECT	Sheet 48 of 88	



ELEVATION-GIRDER 1



ELEVATION-GIRDER 2



Notes

All dimensions are measured along \bar{c} Girder.

N.T.R. refers to the Supplemental Requirements for Notch Toughness.

Note A: $1'' \times 10\frac{1}{2}''$ Connecting Plates.

Note B: $\frac{1}{2}'' \times 7\frac{1}{2}''$ Connecting Plates.

Note C: $\frac{1}{16}'' \times 10\frac{1}{2}''$ Connecting Plates.

Steel Specifications this sheet shall be AASHTO M183 Steel unless otherwise noted.

All dimensions shown are measured horizontally.

All work on this sheet is by others except Stud Shear Connectors.

RAMP F - GIRDER DETAILS

M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER

F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

W.D.L. CRN DAN CRN	 HANSON ENGINEERS INCORPORATED SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS
74001 DATE 8-22-80	FILE NO. 74001 DATE 8-22-80

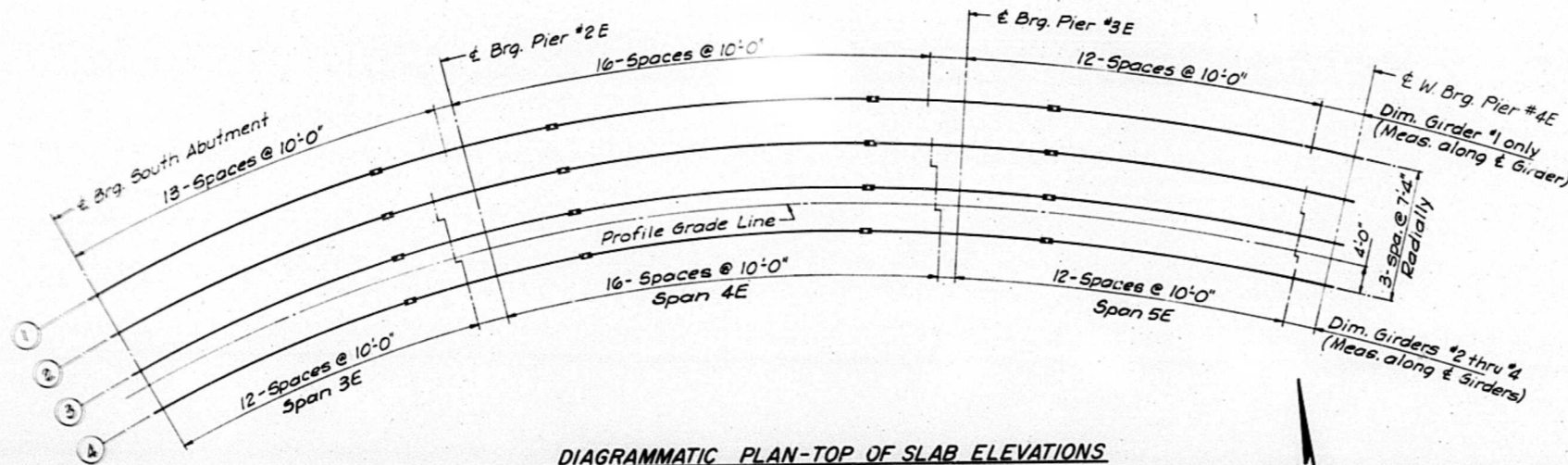
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA-49	(15B-1)-D	PEORIA AND TAZEWELL	97	54
FED. ROAD DIST. NO. 7			ILLINOIS PROJECT	

Sheet 50 of 88

GIRDER 1			GIRDER 2			GIRDER 3			GIRDER 4		
STATION	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION	STATION	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION	STATION	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION	STATION	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
± Brg. So. Abut.	8+61.500	500.998	8+61.500	500.411	500.411	8+61.500	499.824	499.824	8+61.500	499.238	499.238
	8+71.137	501.295	8+71.281	500.712	500.755	8+71.431	500.130	500.164	8+71.584	499.548	499.574
	8+80.773	501.575	8+81.063	500.997	501.083	8+81.361	500.419	500.487	8+81.669	499.841	499.892
	8+90.410	501.839	8+90.844	501.264	501.393	8+91.292	500.689	500.792	8+91.753	500.115	500.192
	8+99.047	502.087	9+00.626	501.515	501.659	9+01.223	500.943	501.059	9+01.838	500.371	500.459
	9+07.684	502.318	9+10.407	501.748	501.898	9+11.153	501.178	501.299	9+11.922	500.609	500.700
	9+16.320	502.532	9+20.189	501.964	502.120	9+21.084	501.396	501.522	9+22.007	500.829	500.924
	9+24.957	502.730	9+29.970	502.164	502.312	9+31.015	501.597	501.716	9+32.091	501.031	501.121
	9+33.594	502.912	9+39.752	502.346	502.468	9+40.945	501.780	501.878	9+42.176	501.215	501.289
	9+42.230	503.077	9+49.533	502.511	502.607	9+50.876	501.946	502.022	9+52.260	501.381	501.438
	9+50.867	503.225	9+59.315	502.659	502.730	9+60.807	502.094	502.150	9+62.345	501.528	501.570
	9+59.504	503.357	9+69.096	502.791	502.838	9+70.737	502.224	502.262	9+72.429	501.658	501.686
	9+68.140	503.472	9+78.878	502.905	502.930	9+80.668	502.337	502.357	9+82.514	501.769	501.785
	9+76.777	503.571									
	9+85.414	503.626	9+93.000	503.040	503.040	9+93.000	502.453	502.453	9+93.000	501.866	501.866
	9+94.051	503.698	10+02.781	503.112	503.130	10+02.931	502.526	502.542	10+03.084	501.941	501.957
	10+02.687	503.753	10+12.563	503.168	503.203	10+12.861	502.582	502.616	10+13.169	501.997	502.029
	10+11.324	503.792	10+22.344	503.206	503.258	10+22.792	502.621	502.671	10+23.253	502.036	502.083
	10+20.961	503.814	10+32.126	503.228	503.297	10+32.723	502.642	502.708	10+33.338	502.056	502.119
	10+30.600	503.819	10+41.907	503.232	503.319	10+42.653	502.645	502.727	10+43.422	502.058	502.135
	10+39.237	503.808	10+51.689	503.220	503.324	10+52.584	502.631	502.728	10+53.507	502.042	502.131
	10+47.874	503.781	10+61.470	503.191	503.312	10+62.515	502.600	502.700	10+63.591	502.009	502.110
	10+56.511	503.737	10+71.252	503.144	503.283	10+72.445	502.550	502.677	10+73.676	501.956	502.070
	10+65.148	503.677	10+81.033	503.080	503.215	10+82.376	502.484	502.606	10+83.760	501.886	501.996
	10+73.785	503.600	10+90.815	503.000	503.118	10+92.307	502.399	502.507	10+93.845	501.798	501.895
	10+82.422	503.506	11+00.596	502.902	503.005	11+02.237	502.298	502.391	11+03.929	501.692	501.776
	10+91.059	503.396	11+10.378	502.788	502.875	11+12.168	502.178	502.258	11+14.014	501.567	501.639
	11+00.700	503.276	11+20.160	502.655	502.725	11+22.124	502.041	502.105	11+24.066	501.426	501.483
	11+09.337	503.152	11+30.102	502.505	502.557	11+32.081	501.886	501.933	11+34.119	501.266	501.307
	11+17.974	502.997	11+39.964	502.338	502.371	11+42.037	501.714	501.743	11+44.172	501.088	501.114
	11+26.611	502.811	11+49.827	502.153	502.168	11+51.994	501.523	501.536	11+54.224	500.892	500.902
	11+35.248	502.591									
	11+43.885	502.351	11+60.000	501.944	501.944	11+60.000	501.358	501.358	11+60.000	500.771	500.771
	11+52.522	502.091	11+69.862	501.733	501.748	11+69.957	501.144	501.158	11+70.053	500.556	500.567
	11+61.159	501.823	11+79.725	501.522	501.551	11+79.913	500.931	500.958	11+80.105	500.341	500.363
	11+70.801	501.677	11+89.587	501.311	501.355	11+89.870	500.718	500.758	11+90.158	500.125	500.160
	11+80.442	501.500	11+99.449	501.100	501.162	11+99.826	500.505	500.560	12+00.211	499.910	499.958
	11+90.089	501.291	12+09.311	500.889	500.969	12+09.783	500.292	500.363	12+10.263	499.695	499.756
	12+00.730	501.046	12+19.174	500.677	500.777	12+19.739	500.079	500.167	12+20.316	499.480	499.555
	12+10.367	500.776	12+29.036	500.466	500.576	12+29.696	499.865	499.962	12+30.368	499.264	499.347
	12+20.004	500.500	12+38.898	500.255	500.361	12+39.652	499.652	499.745	12+40.421	499.049	499.129
	12+29.641	500.224	12+48.761	500.044	500.146	12+49.609	499.439	499.529	12+50.474	498.834	498.911
	12+39.278	500.000	12+58.623	499.833	499.927	12+59.566	499.226	499.310	12+60.526	498.619	498.690
	12+48.915	500.439	12+68.485	499.622	499.722	12+69.522	499.013	499.070	12+70.579	498.404	498.452
	12+58.552	500.230	12+78.348	499.411	499.445	12+79.479	498.800	498.830	12+80.632	498.188	498.214
	12+68.189	500.021									
	12+77.826	500.060	12+91.500	499.129	499.129	12+91.500	498.542	498.542	12+91.500	497.956	497.956
	12+87.463	499.716									
	12+97.100	499.716									

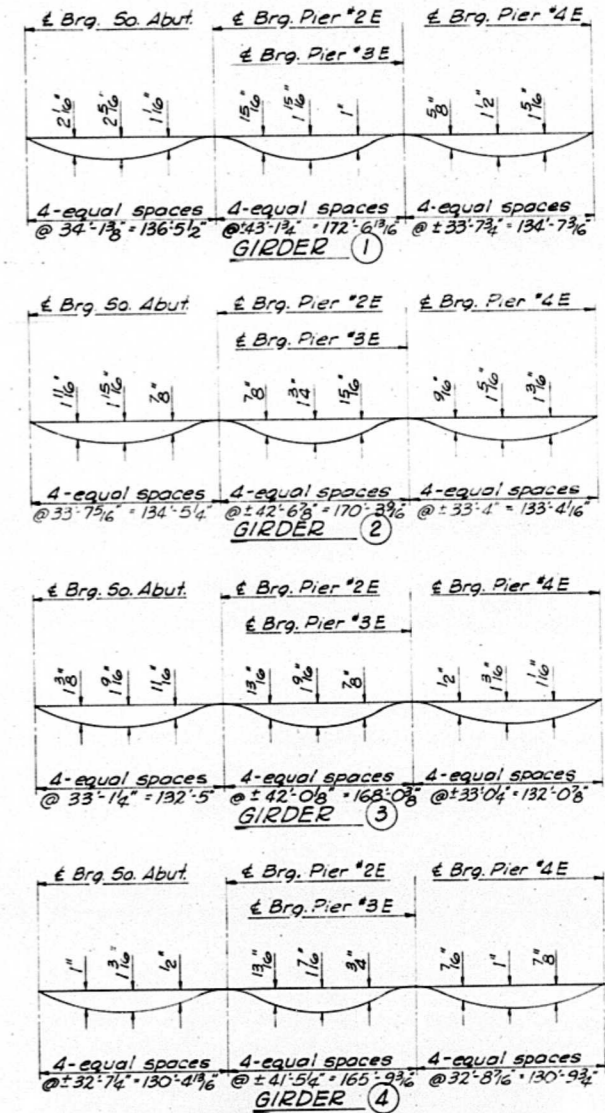
ELEVATIONS-TOP OF CONCRETE



DIAGRAMMATIC PLAN-TOP OF SLAB ELEVATIONS

Note: For notes on method of determining filler heights "t" Sheet 30 of 88

Note: All dimensions shown in plan are measured horizontally.



DEAD LOAD DEFLECTION DIAGRAMS
(INCLUDES WEIGHT OF CONCRETE AND CL. I ONLY)

Note: The above deflections are not to be used in the field if the engineer is working from the slab elevations adjusted for dead load deflection shown in table above.

TOP OF SLAB ELEVATIONS
RAMP E - SPANS 3E, 4E & 5E

M^c CLUGAGE BRIDGE

OVER THE ILLINOIS RIVER

F.A. ROUTE 49 SEC. (15B-1)-D

PEORIA & TAZEWELL COUNTIES

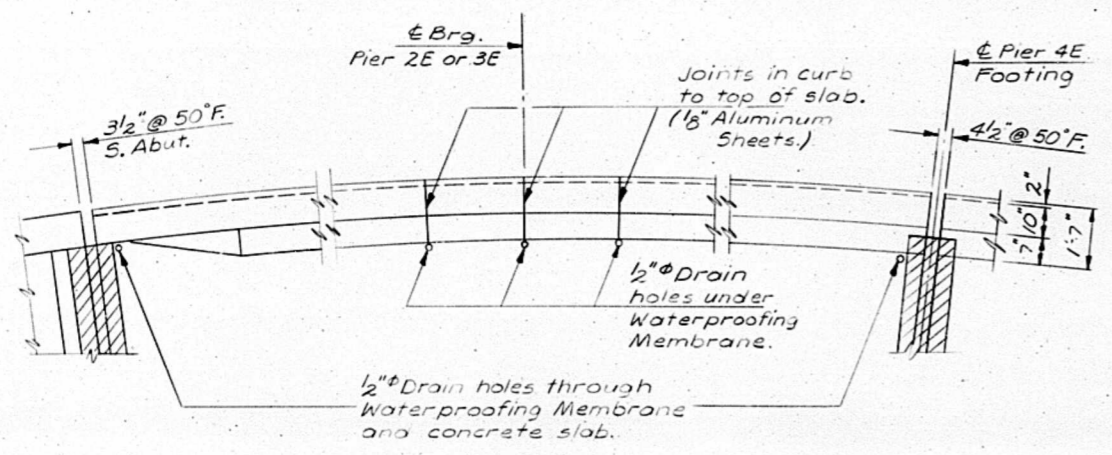
DESIGNED WDL
CHECKED R.W.C.
DRAWN RAH
CHECKED WDL



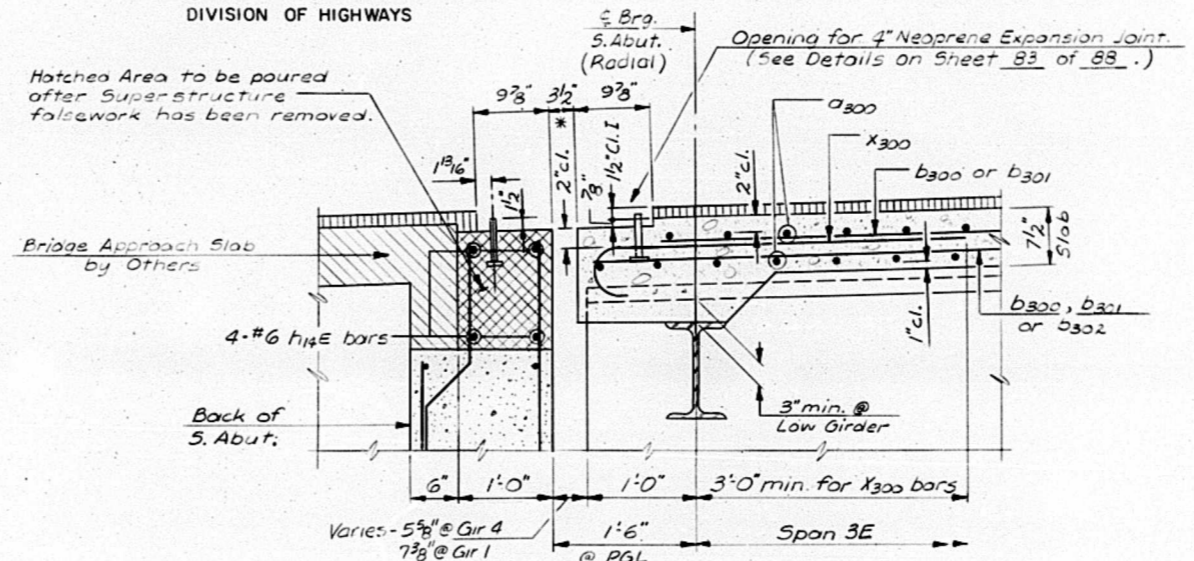
DATE 8-22-80
74001

SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

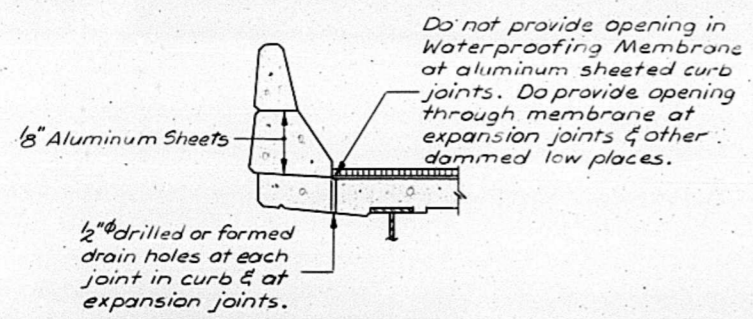


PLAN
Typical each Curb.

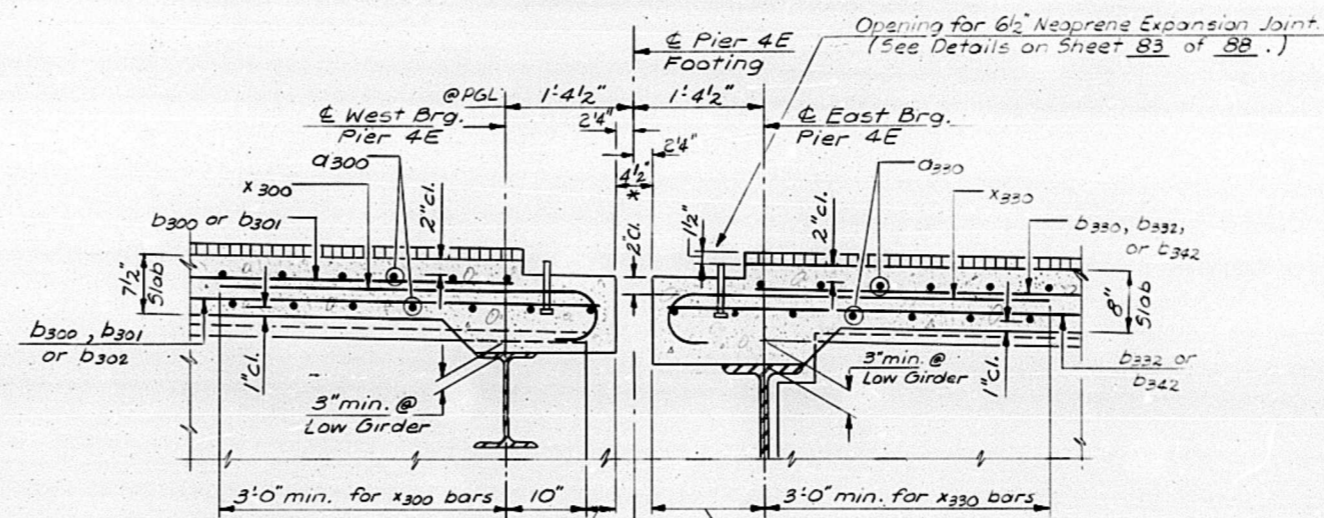


SECTION J-J

* Dimension @ 50° F.
(From Sht. 51 of 88.)

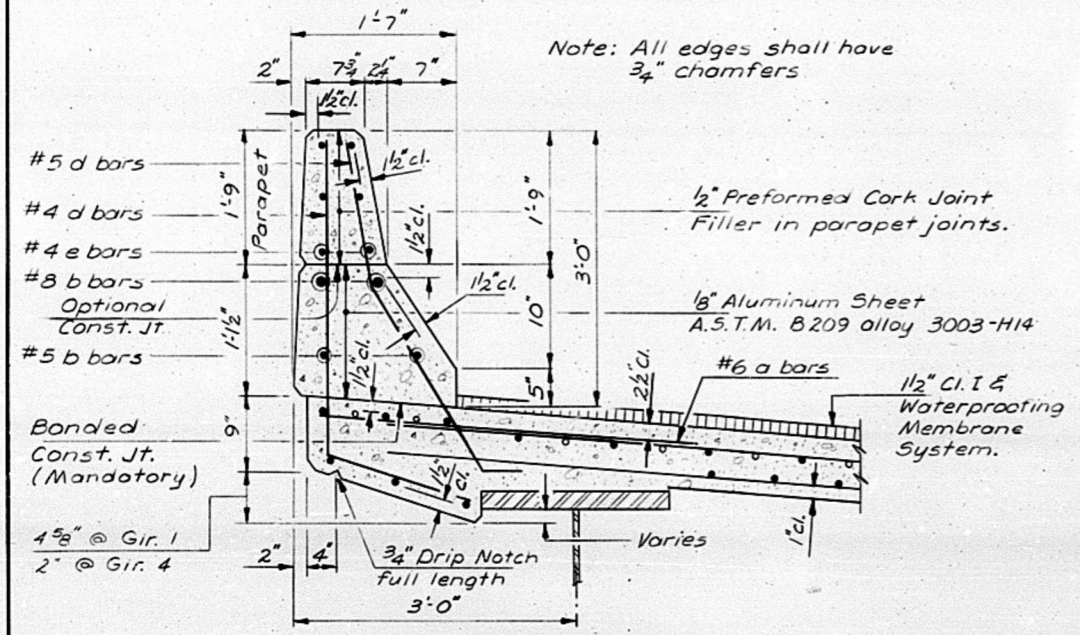


SECTION AT CURB JOINTS



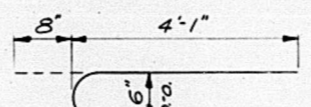
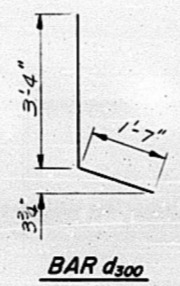
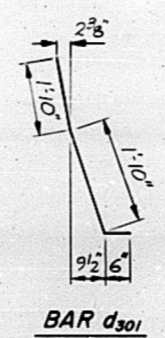
SECTION K-K

* Dimension @ 50° F.
(From Sht. 51 of 88.)

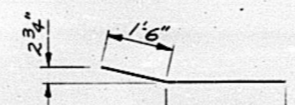


SECTION THRU CURB

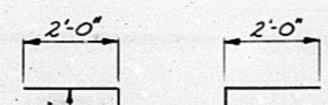
Cost of Aluminum Sheets shall be incidental to Class X Concrete.



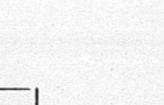
BAR X300



BAR d302



BAR d303



BAR d302

Note: See Sheet 3 of 88 for placement of bars d302 & d303

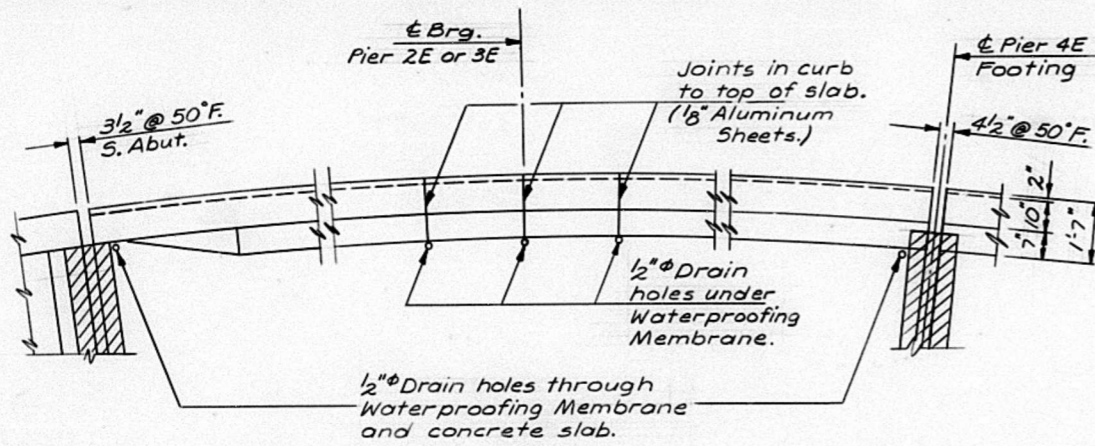
BILL OF MATERIAL
RAMP E - SPANS 3E, 4E, & 5E

BAR	No.	SIZE	LENGTH	SHAPE
h12	12	#4	13'-3"	—
h14	4	#6	25'-10"	—
d300	1425	#6	26'-0"	—
d301	356	#6	4'-0"	—
d302	356	#6	4'-0"	—
d303	12	#5	2'-0"	—
b300	416	#5	29'-5"	—
b301	416	#5	28'-9"	—
b302	144	#5	29'-0"	—
b303	8	#5	26'-8"	—
b304	10	#5	25'-3"	—
b305	162	#6	23'-4"	—
b306	16	#5	27'-11"	—
b308	8	#5	23'-8"	—
b309	8	#5	30'-3"	—
b310	16	#8	30'-4"	—
b311	8	#8	26'-8"	—
b312	8	#8	32'-11"	—
b314	16	#8	29'-3"	—
b315	8	#8	23'-8"	—
b316	8	#8	32'-0"	—
d300	875	#4	4'-11"	L
d301	953	#5	4'-2"	L
d302	9	#6	4'-5"	L
d303	15	#6	8'-11"	L
e300	48	#4	13'-2"	—
e301	48	#4	11'-8"	—
e302	42	#4	16'-8"	—
e303	42	#4	15'-7"	—
e304	42	#4	15'-3"	—
e305	42	#4	14'-11"	—
e306	36	#4	19'-2"	—
e307	36	#4	17'-7"	—
x300	60	#6	4'-9"	C
Drainage Scupper	Each		1	
Protective Coat	Sq.Yds.		362	
Reinforcement Bars	Lbs.		113,020	
Class X Concrete	Cu.Yds.		349.2	
Waterprf. Membrane Sys	Sq.Yds.		1,203	
Stud Shear Connectors	Each		2,244	
Neo Exp. Joint (4')	Lin. Ft.		27.0	
Neo Exp. Joint (6 1/2')	Lin. Ft.		26.8	
Bit. Conc. Sc. Mix. D. C. I.	Ton		97.5	
Floor Drains	Each		17	

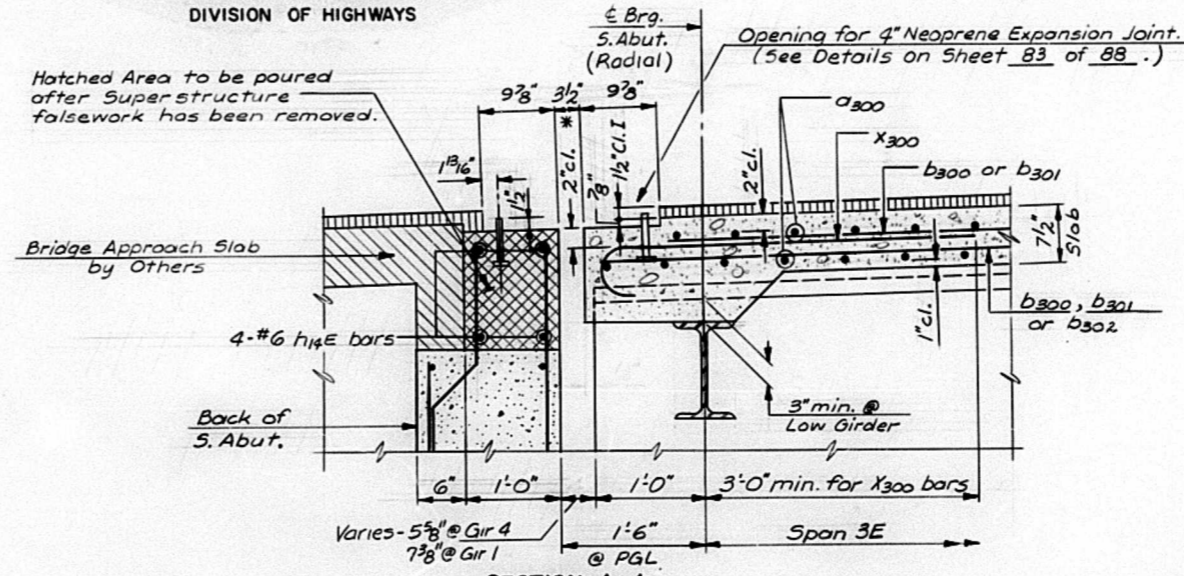
** See End Post Detail on Sheet 37 of 88

SUPERSTRUCTURE DETAILS
RAMP E - SPANS 3E, 4E, & 5E
M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

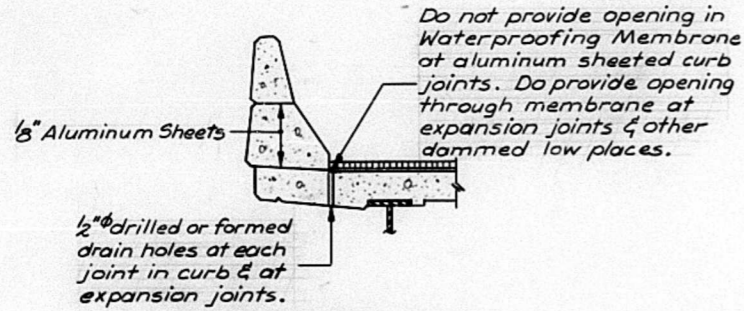
DESIGNED WDL		FILE NO.
CHECKED R.W.C.		74001
DRAWN D.A.M.		DATE
CHECKED R.W.C.		6-22-80



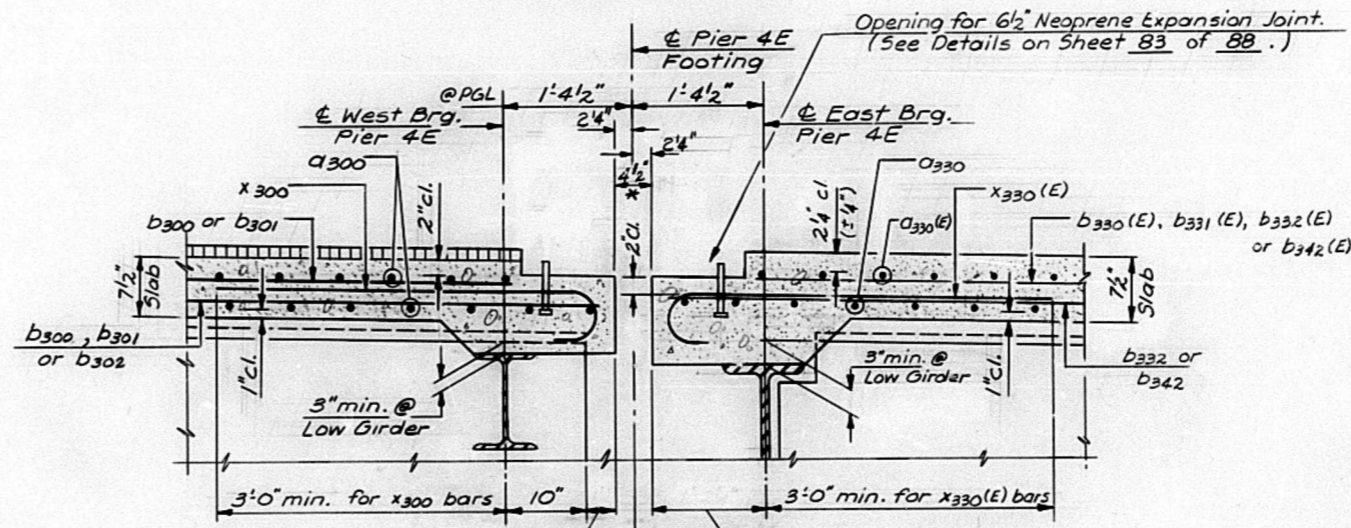
PLAN
Typical each Curb.



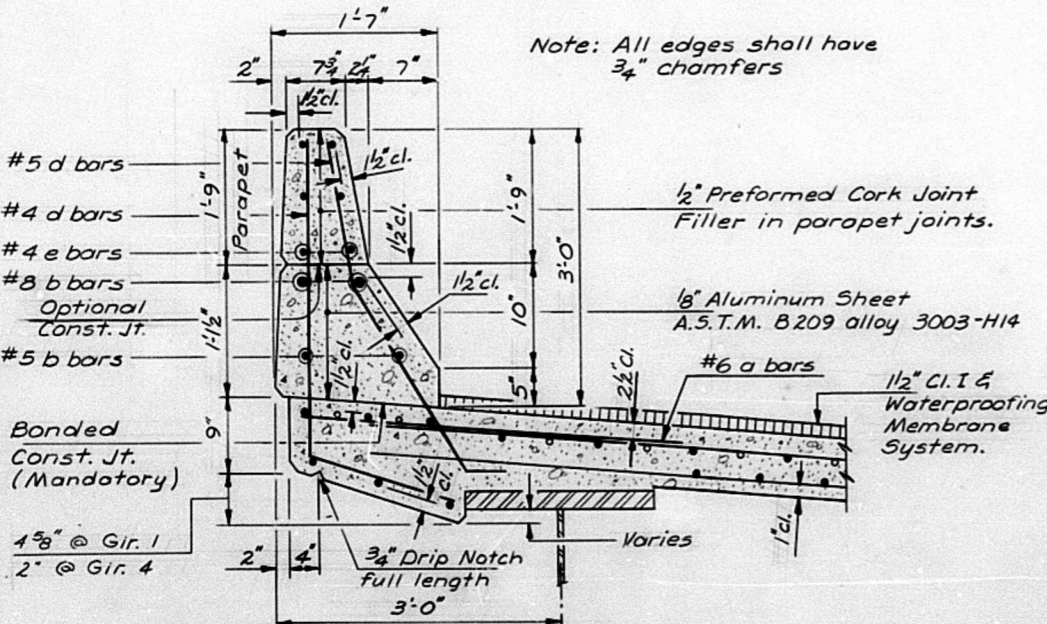
SECTION J-J
* Dimension @ 50°F.
(From Sht. 51 of 88.)



SECTION AT CURB JOINTS

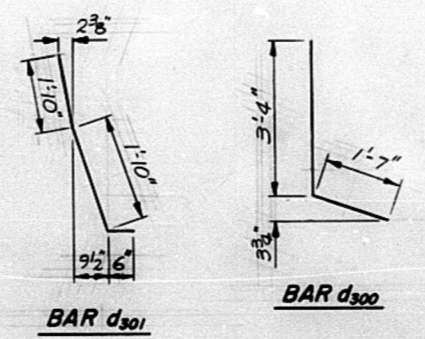


SECTION K-K
* Dimension @ 50°F.
(From Sht. 51 of 88.)



SECTION THRU CURB

Cost of Aluminum Sheets shall be incidental to Class X Concrete.



BILL OF MATERIAL
RAMP E - SPANS 3E, 4E, & 5E

BAR	No.	SIZE	LENGTH	SHAPE
h13	12	#4	13'3"	
h14	4	#6	25'10"	
o300	1425	#6	26'0"	
o301	356	#6	4'0"	
o302	356	#6	4'0"	
o303	12	#5	2'0"	
b300	416	#5	29'5"	
b301	416	#5	28'9"	
b302	144	#5	29'0"	
b303	8	#5	26'8"	
b304	10	#5	25'3"	
b305	162	#6	23'4"	
b306	16	#5	27'11"	
b308	8	#5	23'8"	
b309	8	#5	30'3"	
b310	16	#8	30'4"	
b311	8	#8	26'8"	
b312	8	#8	32'11"	
b314	16	#8	29'3"	
b315	8	#8	23'8"	
b316	8	#8	32'0"	
d300	875	#4	4'11"	
d301	953	#5	4'2"	
d302	9	#6	4'5"	
d303	15	#6	8'11"	
e300	48	#4	13'2"	
e301	48	#4	11'8"	
e302	42	#4	16'8"	
e303	42	#4	15'7"	
e304	42	#4	15'3"	
e305	42	#4	14'11"	
e306	36	#4	19'2"	
e307	36	#4	17'7"	
x300	60	#6	4'9"	
Drainage Scupper	Each		1	
Protective Coat	Sq.Yds.		362	
Reinforcement Bars	Lbs.		113,020	
Class X Concrete	Cu.Yds.		399.2	
Waterprf. Membrane	Sq.Yds.		1,203	
Stud Shear Connectors	Each		2,244	
Neo. Exp. Joint (4")	Lin. Ft.		27.0	
Neo. Exp. Joint (6 1/2")	Lin. Ft.		26.8	
Bit. Conc. 5c. Mix. D.C.I.	Ton		97.5	
Floor Drains	Each		17	

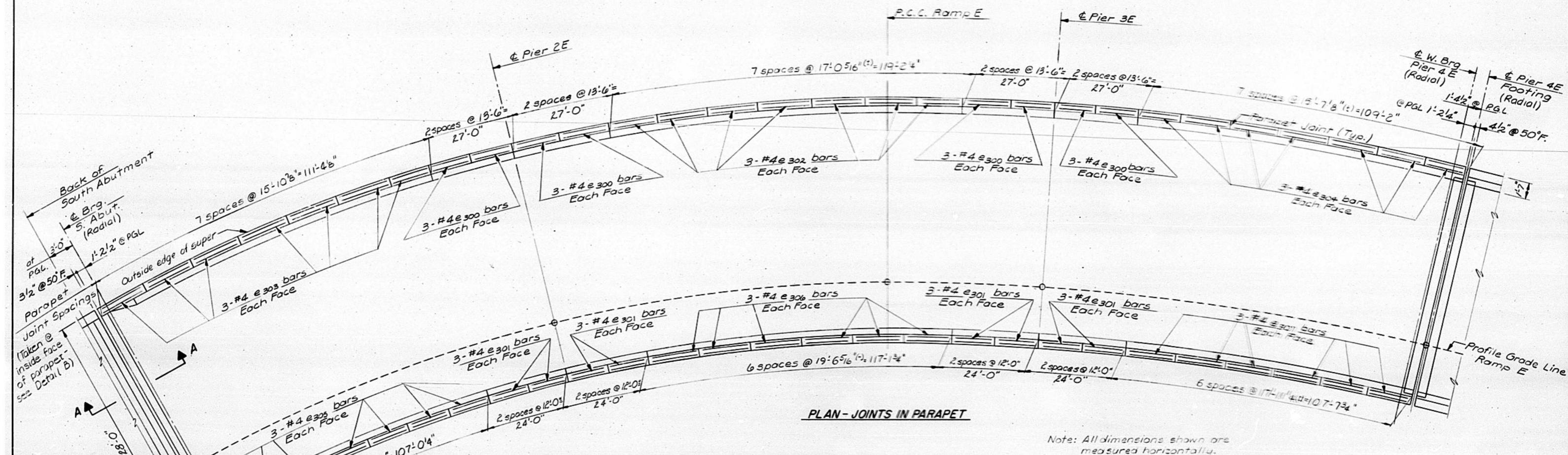
** See End Post Detail on Sheet 37 of 88

SUPERSTRUCTURE DETAILS
RAMP E - SPANS 3E, 4E, & 5E

M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (158-1)-D
PEORIA & TAZEWELL COUNTIES

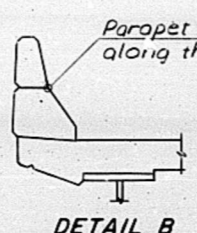
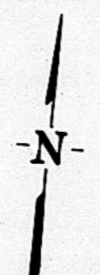
DESIGNED RDL		FILE NO.
CHECKED R.W.C.		74001
DRAWN O.A.M.		DATE
CHECKED R.W.C.		8-22-80

SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

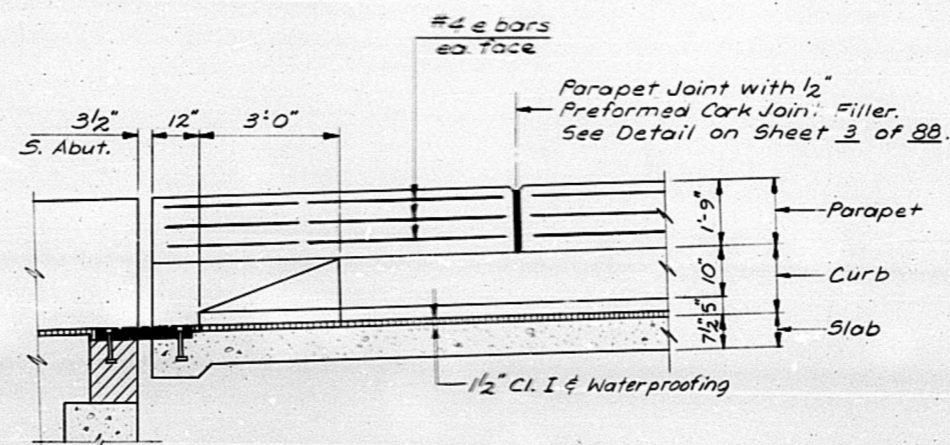


PLAN - JOINTS IN PARAPET


Note: All dimensions shown are measured horizontally.



DETAIL B



SECTION A-A

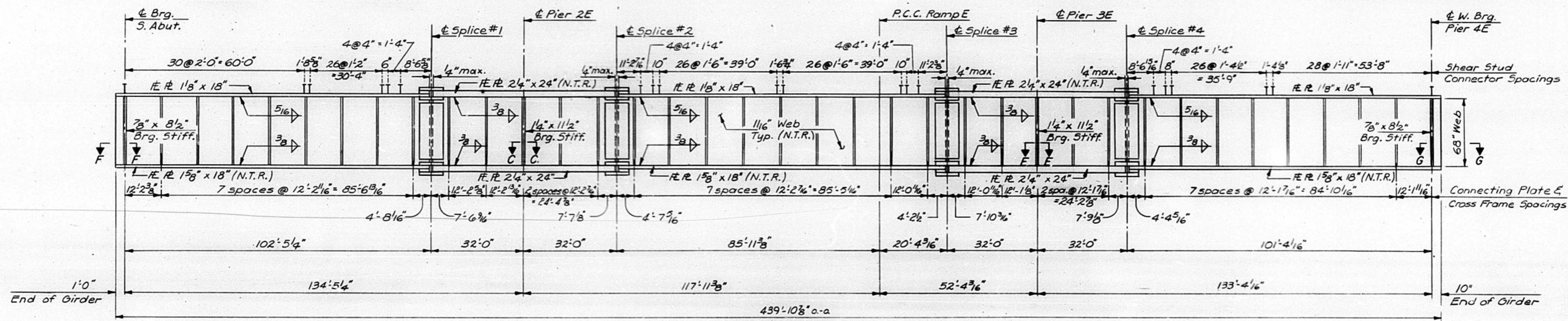
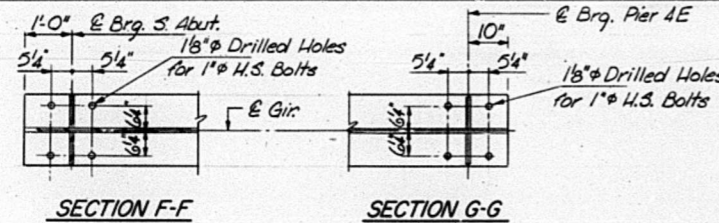
PARAPET DETAILS RAMP E - SPANS 3E, 4E & 5E	
M^c CLUGAGE BRIDGE OVER THE ILLINOIS RIVER	
F.A. ROUTE 49	SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES	
DESIGNED: W.D.L. CHECKED: S.C.O. DRAWN: D.A.N. CHECKED: R.W.C.	 HANSON ENGINEERS INCORPORATED SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS
FILE NO. 74001	DATE 8-22-80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

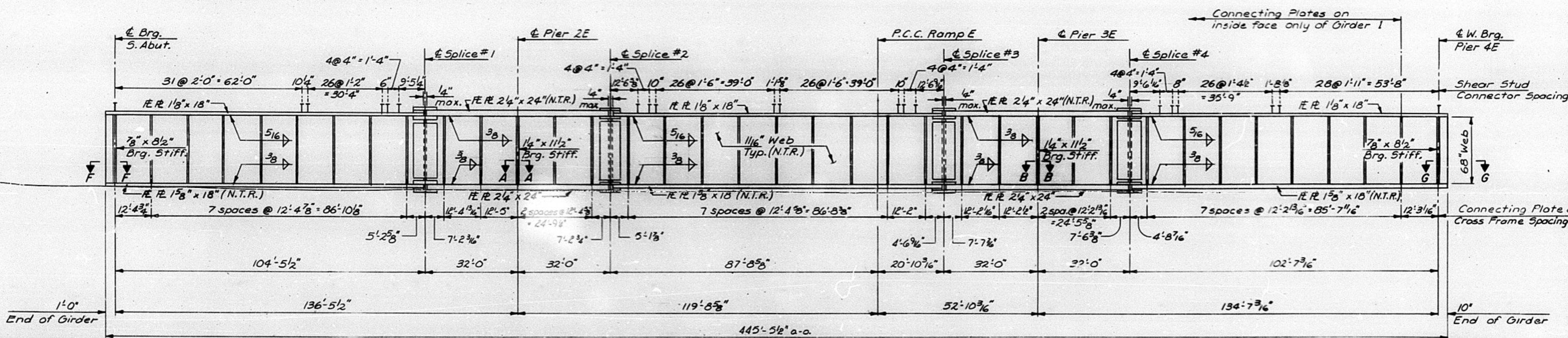
Note:
Steel Specifications this sheet
(Unless otherwise noted)
Flanges 1/8" x 18" AASHTO M223
1 3/8" x 18" AASHTO M223
2 1/4" x 24" AASHTO M222
Web 1/4" x 68" AASHTO M183
Bearing Stiffeners - AASHTO M223

Notes:
All dimensions shown are measured horizontally & along & Girder.
All work on this Sheet is by others except shear stud connectors.

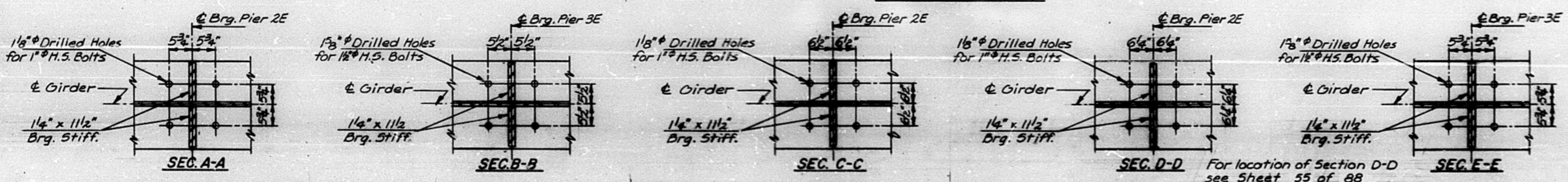
158-11	97	58
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ELEVATION-GIRDER 2



ELEVATION-GIRDER 1



GIRDER DETAILS
RAMP E - SPANS 3E, 4E & 5E

M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER

F.A. ROUTE 49 SEC. (158-11)-D
PEORIA & TAZEWELL COUNTIES

W.D.L.
S.C.G.
D.A.N.
R.W.C.

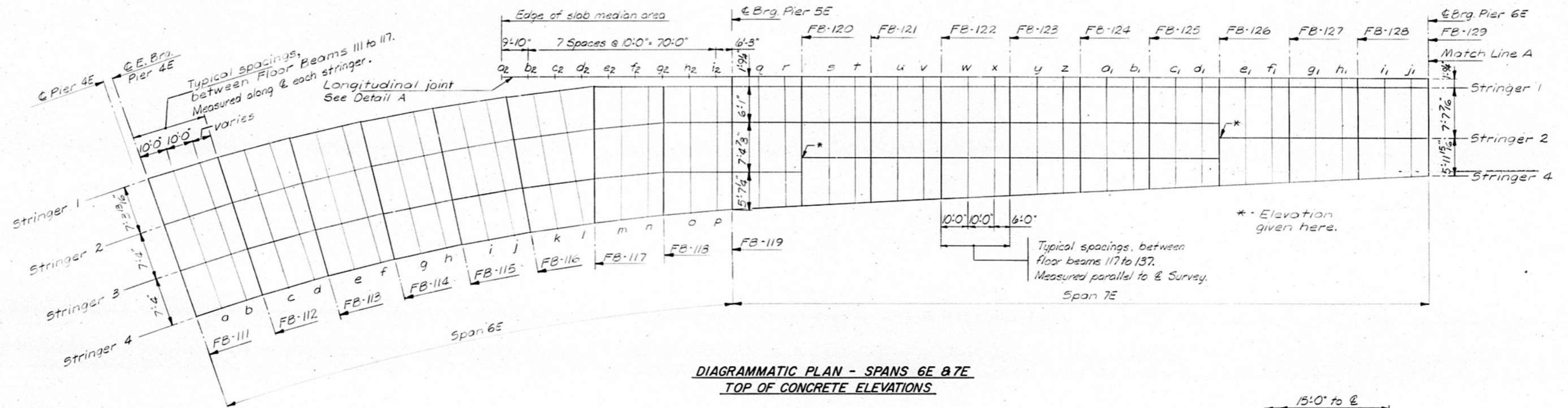
HANSON ENGINEERS
INCORPORATED
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

FILE NO. 74001
DATE 8-22-80

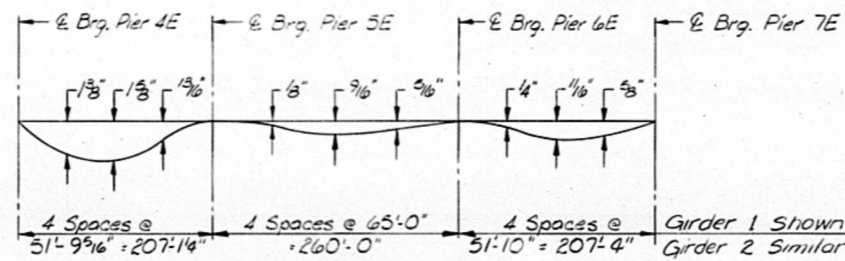
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA-49	(15B-1) -D	PEORIA & TAZEWELL	97	60
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Sheet 56 of 88



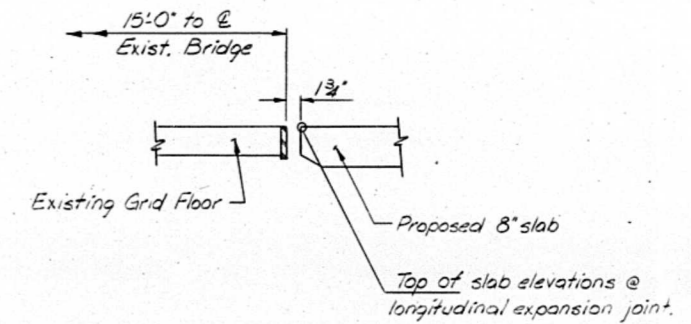
DIAGRAMMATIC PLAN - SPANS 6E & 7E
TOP OF CONCRETE ELEVATIONS



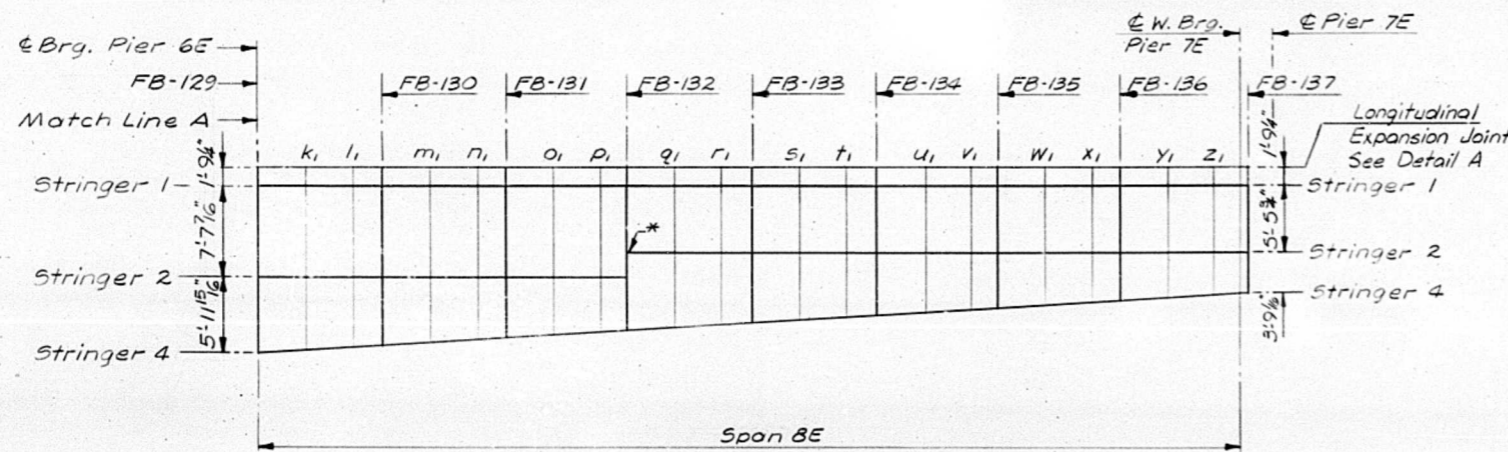
DEAD LOAD DEFLECTION DIAGRAM
(Includes Weight of Concrete Slab & C.I.)

Note: The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown in "Elevations - Top of Concrete" tables.

Note: For notes on method of determining fillet heights "r" see sheet 30 of 88.



DETAIL A



DIAGRAMMATIC PLAN - SPAN 8E
TOP OF CONCRETE ELEVATIONS

NOTES

F.B's 111 thru 116 are radial, therefore stringer stationing, shown on next sheet, is the same for all stringers at each F.B.

Points a thru l are not radial, therefore stringer stationing will be different at each point.

F.B.'s 117 thru 137 & points m thru z, have been adjusted for individual stringer stationing. Stations shown are stations of the intersection of F.B.'s & section lines with the profile grade line.

All dimensions shown are measured horizontally.

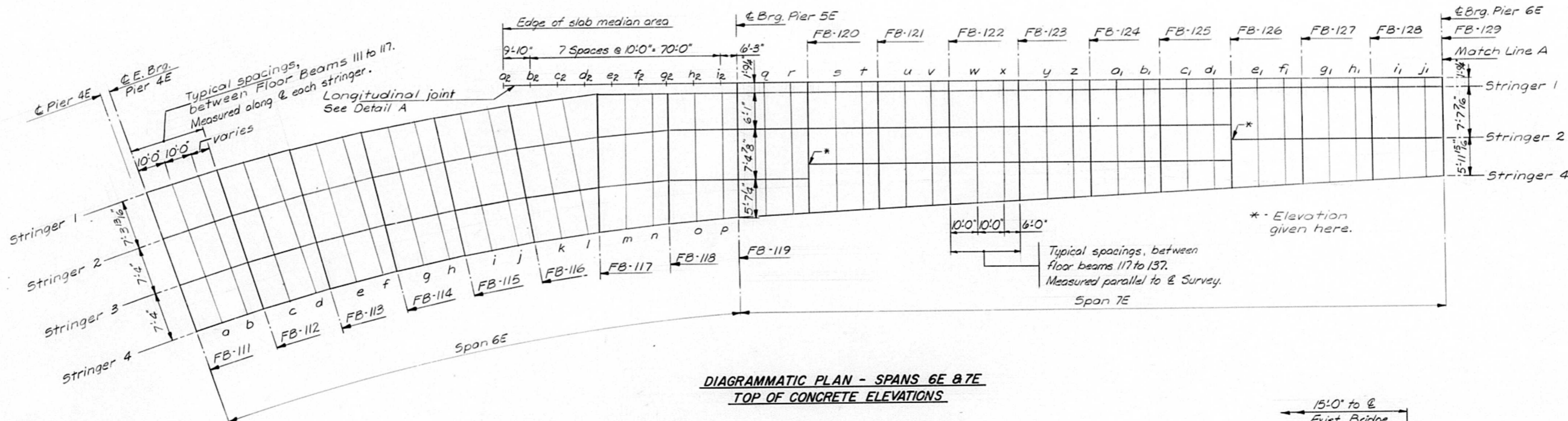
TOP OF SLAB ELEVATIONS
RAMP E - SPANS 6E, 7E & 8E

M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER

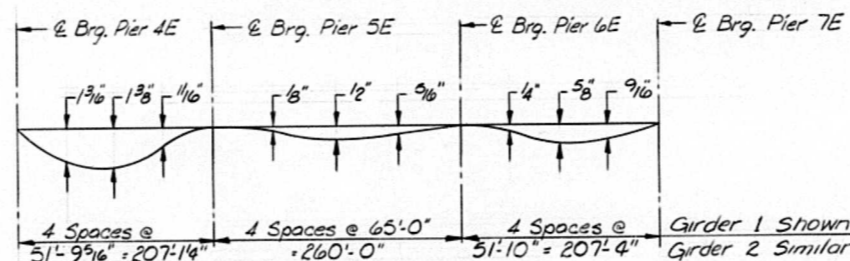
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED W.D.L.	FILE NO. 74001
CHECKED S.C.O.	DATE 8-22-90
DRAWN D.A.N.	
CHECKED S.C.O.	





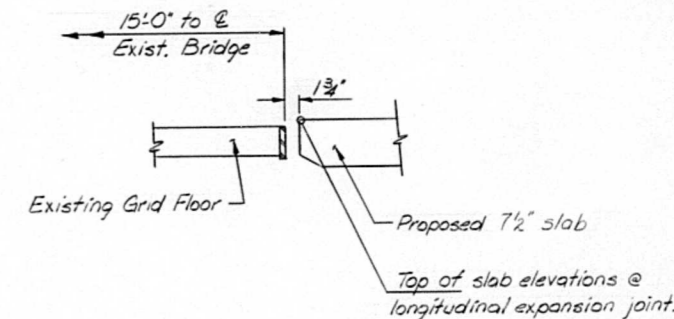
DIAGRAMMATIC PLAN - SPANS 6E & 7E
TOP OF CONCRETE ELEVATIONS



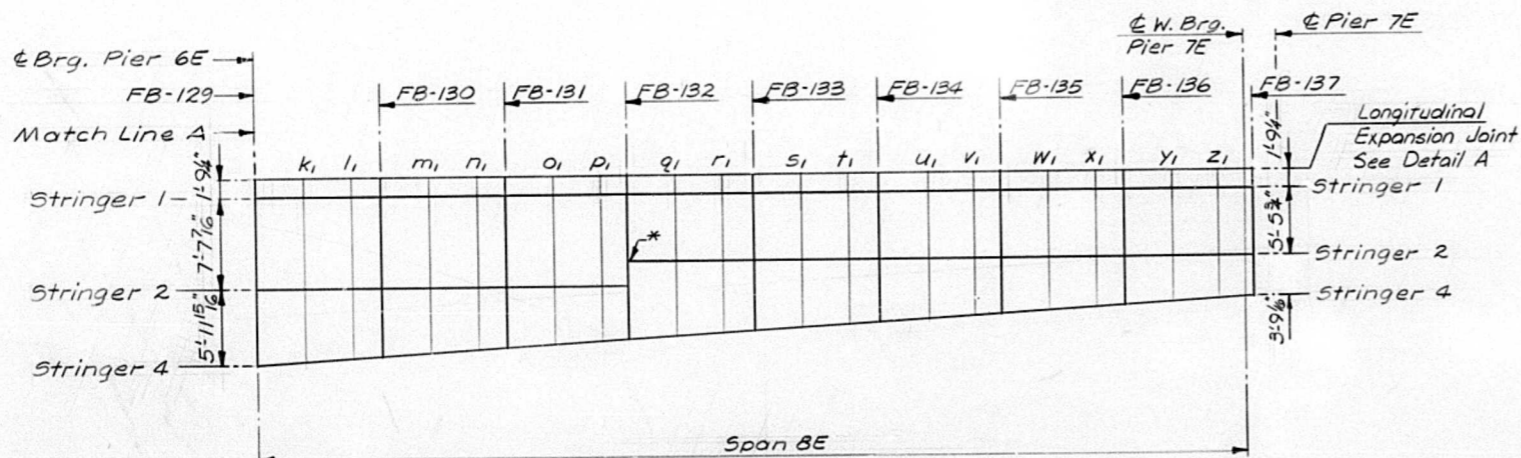
DEAD LOAD DEFLECTION DIAGRAM
(Includes Weight of Concrete Slab)

Note: The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown in "Elevations - Top of Concrete" tables.

Note: For notes on method of determining fillet heights "t" see sheet 30 of 88.



DETAIL A



DIAGRAMMATIC PLAN - SPAN 8E
TOP OF CONCRETE ELEVATIONS


NOTES

FB's 111 thru 116 are radial, therefore stringer stationing, shown on next sheet, is the same for all stringers at each F.B.

Points a thru l are not radial, therefore stringer stationing will be different at each point.

FB's 117 thru 137 & points m thru z, have been adjusted for individual stringer stationing. Stations shown are stations of the intersection of F.B.'s & section lines with the profile grade line.

All dimensions shown are measured horizontally.

TOP OF SLAB ELEVATIONS RAMP E - SPANS 6E, 7E & 8E	
M ^c CLUGAGE BRIDGE OVER THE ILLINOIS RIVER	
F.A. ROUTE 49	SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES	
DESIGNED W.D.L. CHECKED S.C.O. DRAWN D.A.N. CHECKED S.C.O.	 HANSON ENGINEERS INCORPORATED SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS
FILE NO. 74001	DATE 8-22-80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA-49	(15B-1)-D	PEORIA & TAZEWELL	97	61
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Sheet 57 of 88

STRINGER 4

STRINGER 3

STRINGER 2

STRINGER 1

	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B
East Bearing Pier 4E (FB-111)	12+94.25	497.900	497.900	12+94.25	498.487	498.487	12+94.25	499.073	499.073	12+94.25	499.660	499.660			
	13+04.30	497.702	497.727	13+04.21	498.291	498.316	13+04.11	498.879	498.904	13+04.02	499.468	499.493			
	13+14.36	497.522	497.547	13+14.16	498.112	498.137	13+13.96	498.701	498.750	13+13.79	499.292	499.341			
	13+24.42	497.342	497.367	13+18.72	498.036	498.100	13+18.72	498.622	498.686	13+18.72	499.209	499.273			
	13+34.48	497.162	497.187	13+28.67	497.882	497.965	13+28.58	498.469	498.552	13+28.49	499.057	499.140			
	13+44.54	496.982	497.007	13+38.63	497.744	497.846	13+38.44	498.332	498.434	13+38.26	498.922	499.024			
	13+54.60	496.802	496.827	13+44.30	497.673	497.784	13+44.30	498.259	498.373	13+44.30	498.846	498.960			
	13+64.66	496.622	496.647	13+54.25	497.562	497.686	13+54.16	498.149	498.273	13+54.07	498.737	498.861			
	13+74.72	496.442	496.467	13+64.21	497.468	497.601	13+64.02	498.056	498.189	13+63.84	498.644	498.777			
	13+84.78	496.262	496.287	13+69.89	497.422	497.561	13+69.89	498.008	498.147	13+69.89	498.595	498.734			
	13+94.84	496.082	496.107	13+79.84	497.354	497.492	13+79.75	497.941	498.079	13+79.66	498.528	498.666			
	14+04.90	495.902	495.927	13+89.80	497.304	497.441	13+89.61	497.890	498.027	13+89.43	498.478	498.615			
	14+14.96	495.722	495.747	13+95.29	497.282	497.418	13+95.49	497.868	498.004	13+95.49	498.455	498.591			
	14+24.02	495.542	495.567	14+05.45	497.258	497.383	14+05.36	497.844	497.969	14+05.26	498.431	498.556			
	14+34.08	495.362	495.387	14+15.41	497.250	497.364	14+15.22	497.836	497.950	14+15.03	498.423	498.537			
14+44.14	495.182	495.207	14+21.11	497.254	497.362	14+21.11	497.840	497.948	14+21.11	498.427	498.535				
14+54.20	495.002	495.027	14+31.07	497.270	497.362	14+30.98	497.843	497.935	14+30.88	498.411	498.503				
14+64.26	494.822	494.847	14+41.03	497.289	497.365	14+40.84	497.849	497.925	14+40.65	498.396	498.472				
14+74.32	494.642	494.667	14+44.59	497.296	497.362	14+44.59	497.851	497.917	14+44.59	498.388	498.454				
14+84.38	494.462	494.487	14+54.62	497.342	497.392	14+54.62	497.921	497.971	14+54.62	498.357	498.407				
14+94.44	494.282	494.307	14+64.65	497.389	497.423	14+64.65	497.892	497.926	14+64.65	498.326	498.360				
15+04.50	494.102	494.127	14+70.66	497.417	497.442	14+70.66	497.929	497.944	14+70.66	498.332	498.337				
15+14.56	493.922	493.947	14+80.67	497.499	497.514	14+80.67	497.950	497.965	14+80.67	498.322	498.337				
15+24.62	493.742	493.767	14+90.68	497.580	497.584	14+90.68	497.996	498.000	14+90.68	498.337	498.341				
15+34.68	493.562	493.587	14+96.68	497.629	497.627	14+96.68	498.023	498.021	14+96.68	498.346	498.344				
15+44.74	493.382	493.407	15+06.68	497.718	497.713	15+06.68	498.076	498.071	15+06.68	498.369	498.364				
15+54.80	493.202	493.227	15+16.68	497.807	497.799	15+16.68	498.128	498.120	15+16.68	498.392	498.384				
15+64.86	493.022	493.047	15+22.69	497.941	497.931	15+22.69	498.160	498.150	15+22.69	498.406	498.396				
15+74.92	492.842	492.867	15+32.69	497.999	497.993	15+32.69	498.193	498.187	15+32.69	498.411	498.405				
15+84.98	492.662	492.687	15+42.69	498.058	498.052	15+42.69	498.226	498.226	15+42.69	498.416	498.410				
15+94.04	492.482	492.507	15+48.69	498.093	498.093	15+48.69	498.246	498.246	15+48.69	498.419	498.413				
16+04.10	492.302	492.327	15+58.69	498.133	498.141	15+58.69	498.270	498.270	15+58.69	498.425	498.419				
16+14.16	492.122	492.147	15+68.69	498.173	498.188	15+68.69	498.294	498.309	15+68.69	498.431	498.446				
16+24.22	491.942	491.967	15+74.70	498.197	498.217	15+74.70	498.309	498.329	15+74.70	498.434	498.454				
16+34.28	491.762	491.787	15+84.70	498.217	498.244	15+84.70	498.321	498.348	15+84.70	498.437	498.464				
16+44.34	491.582	491.607	15+94.70	498.236	498.270	15+94.70	498.332	498.366	15+94.70	498.439	498.473				
16+54.40	491.402	491.427	16+00.70	498.248	498.286	16+00.70	498.339	498.377	16+00.70	498.441	498.479				
16+64.46	491.222	491.247	16+10.70	498.248	498.290	16+10.70	498.339	498.381	16+10.70	498.441	498.483				
16+74.52	491.042	491.067	16+20.70	498.249	498.295	16+20.70	498.339	498.385	16+20.70	498.441	498.487				
16+84.58	490.862	490.887	16+26.71	498.249	498.298	16+26.71	498.339	498.388	16+26.71	498.441	498.489				
16+94.64	490.682	490.707	16+36.71	498.249	498.298	16+36.71	498.339	498.388	16+36.71	498.441	498.490				
17+04.70	490.502	490.527	16+46.71	498.249	498.297	16+46.71	498.339	498.387	16+46.71	498.441	498.489				
17+14.76	490.322	490.347	16+52.71	498.249	498.297	16+52.71	498.339	498.387	16+52.71	498.441	498.489				
17+24.82	490.142	490.167	16+62.71	498.249	498.292	16+62.71	498.339	498.382	16+62.71	498.441	498.484				
17+34.88	490.002	490.027	16+72.71	498.249	498.288	16+72.71	498.339	498.378	16+72.71	498.441	498.480				
17+44.94	489.822	489.847	16+78.72	498.249	498.285	16+78.72	498.339	498.343	16+78.72	498.441	498.477				
17+54.00	489.642	489.667	16+88.72	498.249	498.285	16+88.72	498.339	498.343	16+88.72	498.441	498.477				
17+64.06	489.462	489.487	16+98.72	498.249	498.285	16+98.72	498.339	498.343	16+98.72	498.441	498.477				
17+74.12	489.282	489.307	17+04.73	498.249	498.285	17+04.73	498.339	498.343	17+04.73	498.441	498.477				
17+84.18	489.102	489.127	17+14.73	498.249	498.285	17+14.73	498.339	498.343	17+14.73	498.441	498.477				
17+94.24	488.922	488.947	17+24.73	498.249	498.285	17+24.73	498.339	498.343	17+24.73	498.441	498.477				
18+04.30	488.742	488.767	17+30.73	498.249	498.285	17+30.73	498.339	498.343	17+30.73	498.441	498.477				
18+14.36	488.562	488.587	17+40.73	498.249	498.285	17+40.73	498.339	498.343	17+40.73	498.441	498.477				
18+24.42	488.382	488.407	17+50.73	498.249	498.285	17+50.73	498.339	498.343	17+50.73	498.441	498.477				
18+34.48	488.202	488.227	17+56.74	498.314	498.313	17+56.74	498.314	498.313	17+56.74	498.441	498.440				
18+44.54	488.022	488.047	17+66.74	498.314	498.316	17+66.74	498.314	498.316	17+66.74	498.441	498.443				
18+54.60	487.842	487.867	17+76.74	498.314	498.318	17+76.74	498.314	498.318	17+76.74	498.441	498.445				
18+64.66	487.662	487.687	17+82.74	498.314	498.320	17+82.74	498.314	498.320	17+82.74	498.441	498.447				
18+74.72	487.482	487.507	17+92.74	498.314	498.327	17+92.74	498.314	498.327	17+92.74	498.441	498.454				
18+84.78	487.302	487.327	18+02.74	498.314	498.333	18+02.74	498.314	498.333	18+02.74	498.441	498.460				
18+94.84	487.122	487.147	18+08.75	498.314	498.337	18+08.75	498.314	498.337	18+08.75	498.441	498.464				
19+04.90	486.942	486.967	18+18.75	498.314	498.345	18+18.75	498.314	498.345	18+18.75	498.441	498.464				
19+14.96	486.762	486.787	18+28.75	498.314	498.352	18+28.75	498.314	498.352	18+28.75	498.441	498.464				
19+24.02	486.582	486.607	18+34.76	498.314	498.359	18+34.76	498.314	498.359	18+34.76	498.441	498.464				
19+34.08	486.402	486.427	1												

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	B/C	COUNTY	TOTAL SHEETS	SHEET NO.
FA-49	(15B-1) -D	PEORIA & TAZEWELL	97	61A
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Sheet 57A of 88.

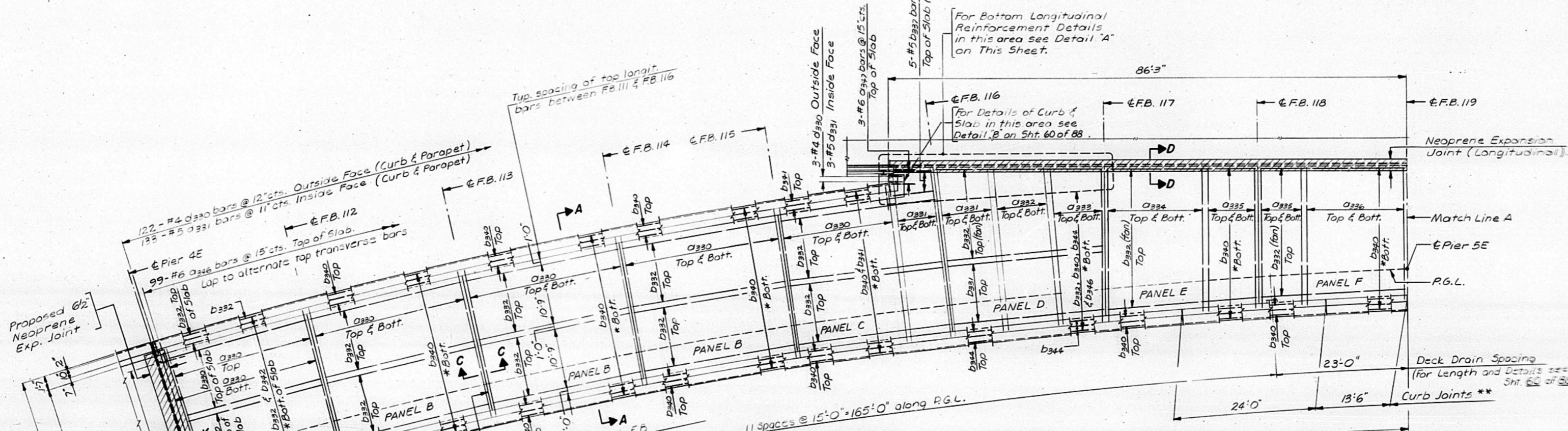
STRINGER 4

STRINGER 3

STRINGER 2

STRINGER 1

	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B
East Bearing Pier 4E (FB-111)	12+94.25	498.025	498.025	12+94.25	498.612	498.612	12+94.25	499.198	499.198	12+94.25	499.785	499.785
a	13+04.30	497.810	497.831	13+04.21	498.399	498.420	13+04.11	498.987	499.008	13+04.02	499.576	499.597
b	13+14.36	497.612	497.654	13+14.16	498.202	498.244	13+13.98	498.791	498.833	13+13.79	499.382	499.424
FB-112	13+18.72	497.532	497.586	13+18.72	498.119	498.173	13+18.72	498.705	498.759	13+18.72	499.292	499.346
c	13+28.77	497.360	497.430	13+28.67	497.949	498.019	13+28.58	498.536	498.606	13+28.49	499.124	499.194
d	13+38.82	497.205	497.292	13+38.63	497.794	497.881	13+38.44	498.382	498.469	13+38.26	499.722	499.809
FB-113	13+44.30	497.127	497.224	13+44.30	497.714	497.811	13+44.30	498.300	498.397	13+44.30	498.887	498.984
e	13+54.35	496.999	497.104	13+54.25	497.587	497.692	13+54.16	498.174	498.279	13+54.07	499.465	499.570
f	13+64.40	496.888	497.001	13+64.21	497.477	497.590	13+64.02	498.065	498.178	13+63.81	499.972	500.085
FB-114	13+69.89	496.835	496.953	13+69.89	497.422	497.540	13+69.89	498.008	498.126	13+69.89	499.595	499.713
g	13+79.94	496.750	496.867	13+79.84	497.337	497.454	13+79.75	497.924	498.041	13+79.66	499.972	500.085
h	13+89.99	496.683	496.799	13+89.80	497.271	497.387	13+89.61	497.857	497.973	13+89.43	499.511	499.628
FB-115	13+95.49	496.653	496.769	13+95.49	497.240	497.356	13+95.49	497.826	497.942	13+95.49	498.413	498.529
i	14+05.55	496.629	496.735	14+05.45	497.216	497.322	14+05.36	497.802	497.908	14+05.26	498.887	498.993
j	14+15.60	496.621	496.718	14+15.41	497.208	497.305	14+15.22	497.794	497.891	14+15.03	499.465	499.571
FB-116	14+21.11	496.625	496.717	14+21.11	497.212	497.304	14+21.11	497.798	497.891	14+21.11	499.041	499.133
k	14+31.17	496.656	496.734	14+31.07	497.228	497.306	14+30.98	497.801	497.879	14+30.88	499.595	499.687
l	14+41.22	496.689	496.754	14+41.03	497.247	497.312	14+40.84	497.807	497.872	14+40.65	499.972	500.064
FB-117	14+44.59	496.699	496.755	14+44.59	497.254	497.310	14+44.59	497.809	497.865	14+44.59	499.465	499.521
m	14+54.62	496.791	496.833	14+54.62	497.300	497.342	14+54.62	497.829	497.871	14+54.62	499.972	500.028
n	14+64.65	496.884	496.913	14+64.65	497.347	497.376	14+64.65	497.850	497.879	14+64.65	499.465	499.511
FB-118	14+70.66	496.940	496.961	14+70.66	497.375	497.396	14+70.66	497.862	497.883	14+70.66	499.972	500.028
o	14+80.67	497.074	497.087	14+80.67	497.457	497.470	14+80.67	497.908	497.921	14+80.67	499.465	499.511
p	14+90.68	497.208	497.211	14+90.68	497.538	497.541	14+90.68	497.954	497.957	14+90.68	499.972	500.028
Bearing Pier 5E (FB-119)	14+96.68	497.289	497.287	14+96.68	497.587	497.585	14+96.68	497.981	497.979	14+96.68	499.465	499.511
q	15+06.68	497.414	497.410	15+06.68	497.676	497.672	15+06.68	498.034	498.030	15+06.68	499.972	500.028
r	15+16.68	497.538	497.531	15+16.68	497.765	497.758	15+16.68	498.086	498.079	15+16.68	499.465	499.511
FB-120	15+22.69	497.613	497.604	15+22.69	497.899	497.890	15+22.69	498.118	498.109	15+22.69	499.972	500.028
s	15+32.69	497.710	497.705	15+32.69	497.957	497.952	15+32.69	498.151	498.146	15+32.69	499.465	499.511
t	15+42.69	497.808	497.805	15+42.69	498.016	498.013	15+42.69	498.184	498.181	15+42.69	499.972	500.028
FB-121	15+48.69	497.866	497.866	15+48.69	498.051	498.051	15+48.69	498.204	498.204	15+48.69	499.465	499.511
u	15+58.69	497.930	497.937	15+58.69	498.091	498.098	15+58.69	498.228	498.235	15+58.69	499.972	500.028
v	15+68.69	497.994	498.007	15+68.69	498.131	498.144	15+68.69	498.252	498.265	15+68.69	499.465	499.511
FB-122	15+74.70	498.033	498.050	15+74.70	498.155	498.172	15+74.70	498.267	498.284	15+74.70	499.972	500.028
w	15+84.70	498.065	498.088	15+84.70	498.175	498.198	15+84.70	498.279	498.302	15+84.70	499.465	499.511
x	15+94.70	498.096	498.125	15+94.70	498.194	498.223	15+94.70	498.290	498.319	15+94.70	499.972	500.028
FB-123	16+00.70	498.115	498.147	16+00.70	498.206	498.238	16+00.70	498.297	498.329	16+00.70	499.465	499.511
y	16+10.70	498.120	498.156	16+10.70	498.206	498.242	16+10.70	498.297	498.333	16+10.70	499.972	500.028
z	16+20.70	498.124	498.163	16+20.70	498.207	498.246	16+20.70	498.297	498.336	16+20.70	499.465	499.511
FB-124	16+26.71	498.127	498.169	16+26.71	498.207	498.249	16+26.71	498.297	498.339	16+26.71	499.972	500.028
a	16+36.71	498.131	498.173	16+36.71	498.207	498.249	16+36.71	498.297	498.339	16+36.71	499.465	499.511
b	16+46.71	498.134	498.175	16+46.71	498.207	498.248	16+46.71	498.297	498.338	16+46.71	499.972	500.028
FB-125	16+52.71	498.136	498.177	16+52.71	498.207	498.248	16+52.71	498.297	498.338	16+52.71	499.465	499.511
c	16+62.71	498.140	498.177	16+62.71	498.207	498.244	16+62.71	498.297	498.334	16+62.71	499.972	500.028
d	16+72.71	498.144	498.177	16+72.71	498.207	498.240	16+72.71	498.297	498.330	16+72.71	499.465	499.511
FB-126	16+78.72	498.145	498.176	16+78.72	498.207	498.228	16+78.72	498.272	498.303	16+78.72	499.972	500.028
e	16+88.72	498.149	498.174	16+88.72	498.207	498.228	16+88.72	498.272	498.297	16+88.72	499.465	499.511
f	16+98.72	498.153	498.173	16+98.72	498.207	498.228	16+98.72	498.272	498.292	16+98.72	499.972	500.028
FB-127	17+04.73	498.154	498.170	17+04.73	498.207	498.228	17+04.73	498.272	498.288	17+04.73	499.465	499.511
g	17+14.73	498.158	498.169	17+14.73	498.207	498.228	17+14.73	498.272	498.283	17+14.73	499.972	500.028
h	17+24.73	498.162	498.168	17+24.73	498.207	498.228	17+24.73	498.272	498.278	17+24.73	499.465	499.511
FB-128	17+30.73	498.164	498.167	17+30.73	498.207	498.228	17+30.73	498.272	498.275	17+30.73	499.972	500.028
i	17+40.73	498.167	498.169	17+40.73	498.207	498.228	17+40.73	498.272	498.274	17+40.73	499.465	499.511
j	17+50.73	498.171	498.171	17+50.73	498.207	498.228	17+50.73	498.272	498.272	17+50.73	499.972	500.028
Bearing Pier 6E (FB-129)	17+56.74	498.173	498.172	17+56.74	498.272	498.271	17+56.74	498.272	498.271	17+56.74	499.465	499.511
k	17+66.74	498.176	498.178	17+66.74	498.272	498.274	17+66.74	498.272	498.274	17+66.74	499.972	500.028
l	17+76.74	498.180	498.183	17+76.74	498.272	498.275	17+76.74	498.272	498.275	17+76.74	499.465	499.511
FB-130	17+82.74	498.182	498.187	17+82.74	498.272	498.277	17+82.74	498.272	498.277	17+82.74	499.972	500.028
m	17+92.74	498.186	498.197	17+92.74	498.272	498.283	17+92.74	498.272	498.283	17+92.74	499.465	499.511
n	18+02.74	498.189	498.205	18+02.74	498.272	498.288	18+02.74	498.272	498.288	18+02.74	499.972	500.028
FB-131	18+08.75	498.191	498.211	18+08.75	498.272	498.292	18+08.75	498.272	498.292	18+08.75	499.465	499.511
o	18+18.75	498.195	498.221	18+18.75	498.272	498.298	18+18.75	498.272	498.298	18+18.75	499.972	500.028
p	18+28.75	498.198	498.230	18+28.75	498.272	498.304	18+28.75	498.272	498.304	18+28.75	499.465	499.511
q	18+34.76	498.200	498.237	18+34.76	498.272	498.308	18+34.76	498.272	498.308	18+34.76	499.972	500.028
FB-132	18+44.76	498.204	498.246	18+44.76	498.272	498.310	18+44.76	498.272	498.310	18+44.76	499.465	499.511
r	18+54.76	498.207	498.254	18+54.76	498.272	498.315	18+54.76	498.272	498.315	18+54.76	499.972	500.028
s	18+60.76	498.209	498.258	18+60.76	498.272	498.317	18+60.76	498.272	498.317	18+60.76	499.465	499.511



203'-7³/₈" (Span 6E) along R.G.L.

PLAN - SPAN 6E

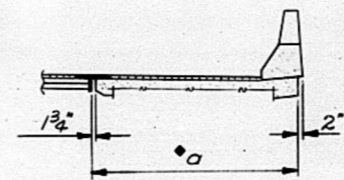


NOTES

Bars indicated thus 20 x 3-#5 indicates 20 lines of bars with 3 lengths per line. See Sheet 61 of 88 for Bar Details & Bill of Material.
 * = For spacing of b bars in Bottom of Slab see Cross Sections on Sheet 60 of 88.
 *** Construction Joints in Curb to Top of Slab. (Insert 1/2" Aluminum Sheets. For Light Pedestal Details see Sheet 3 of 88.
 For Details of Longitudinal Reinforcement in Curbs see Sheet 62 of 88.
 No., Size, Spacing & Locations of bars indicated only by bar designation - b332, b340 etc. are given in table entitled "Table of Slab Reinforcement" on Sheet 61 of 88.
 Place Radially all Transverse Reinforcement between F.B. 111 & F.B. 117.
 Transverse Reinforcement Bars a330 - a344 are spaced @ 7 1/2 cts. along & Stringer (S1).
 For Sections A-A, C-C & D-D See Sheet 60 of 88.
 For Section K-K See Spans 3E, 4E & 5E Sheet 52 of 88.
 All dimensions shown are measured horizontally.

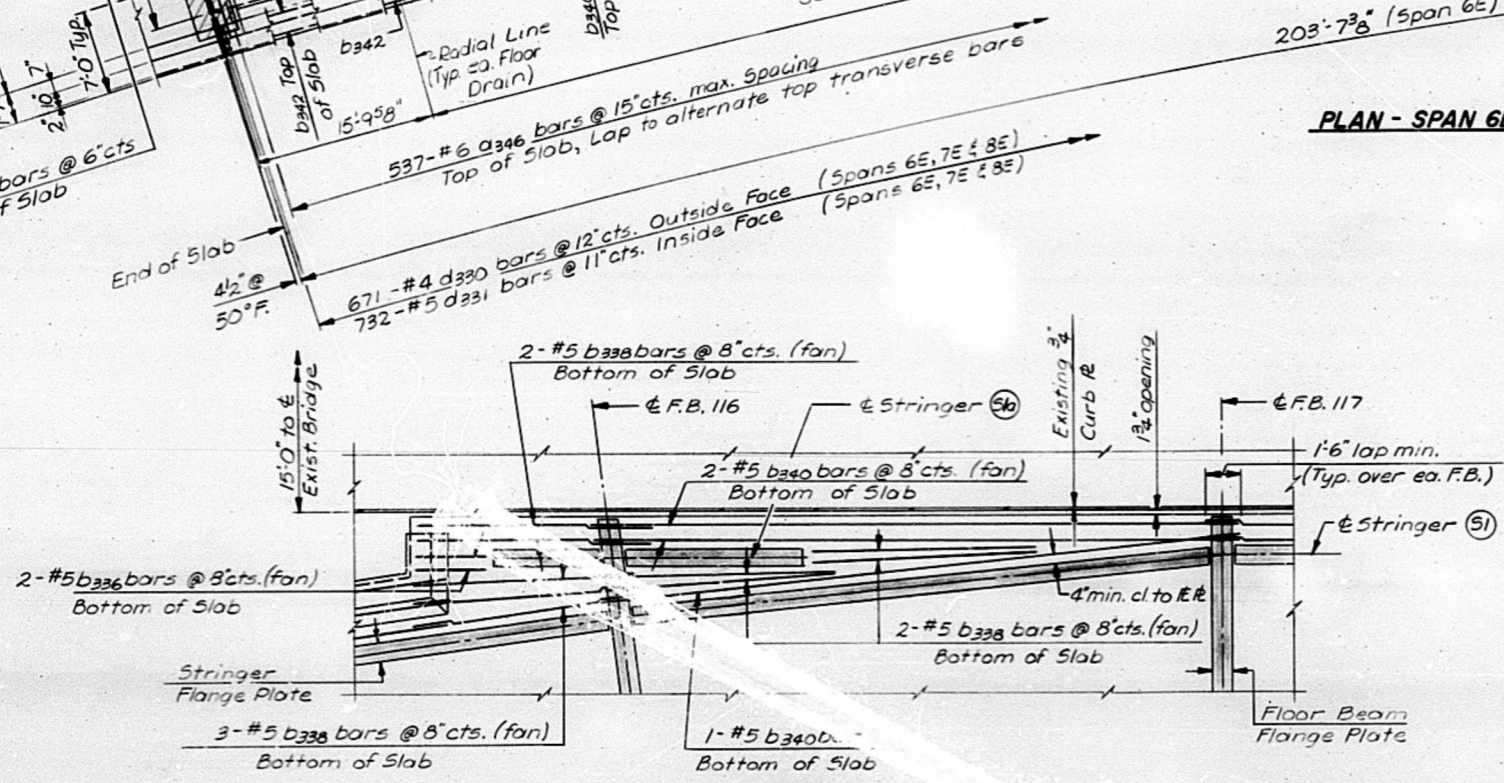
TABLE OF SLAB DIMENSIONS

@ F.B. No.	a
116	29'-4 1/4"
117	26'-9"
118	24'-10 3/4"
119	23'-10 1/8"
120	23'-3 1/2"
121	22'-8 15/16"
122	22'-2 3/8"
123	21'-7 13/16"
124	21'-1 1/4"
125	20'-6 11/16"
126	20'-0 1/16"
127	19'-5 1/2"
128	18'-10 5/16"
129	18'-4 3/8"
130	17'-9 13/16"
131	17'-3 1/4"
132	16'-8 1/16"
133	16'-2 1/8"
134	15'-7 9/16"
135	15'-0 5/16"
136	14'-6 3/8"
137	13'-11 1/16"

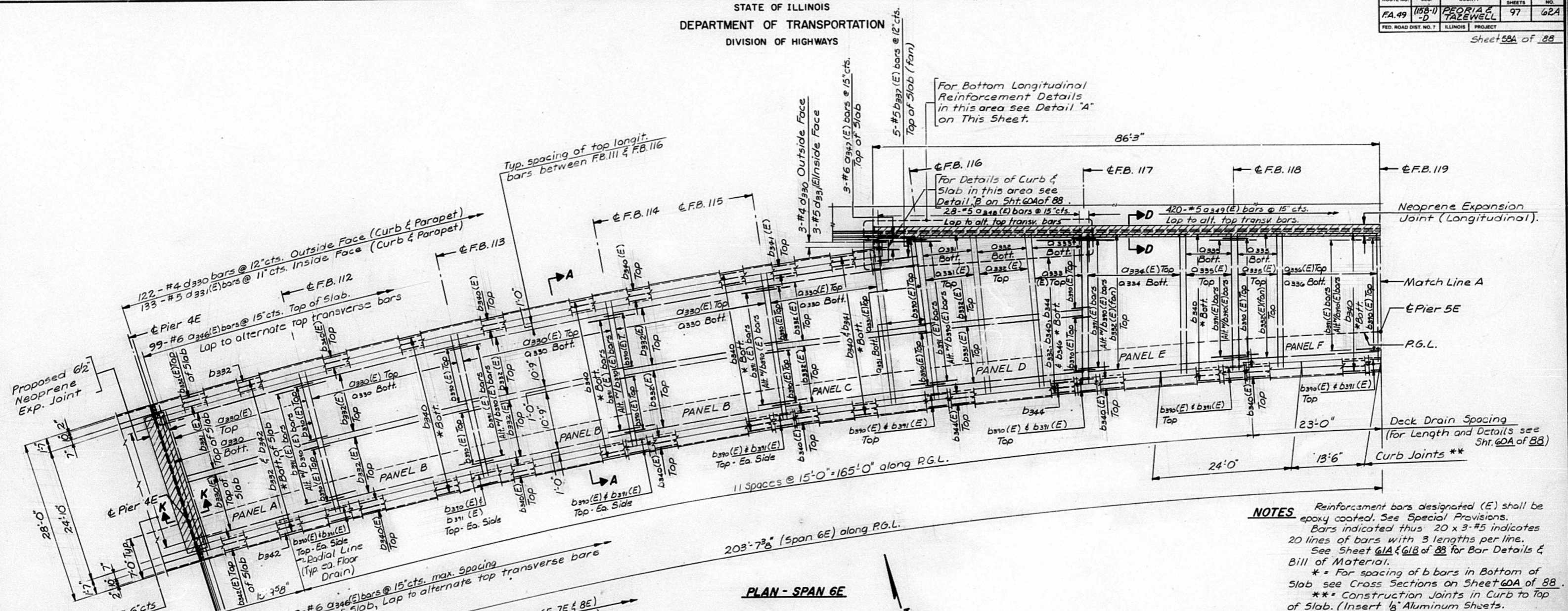


a = Slab width dimensioned along & of each Floor Beam.

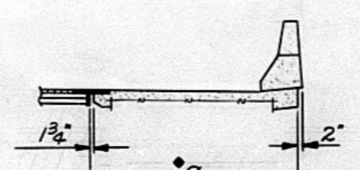
Bar Size	Minimum Lap Distance
#4	1'-0"
#5	1'-8"
#6	2'-0"
#8	3'-6"



SUPERSTRUCTURE RAMP E - SPAN 6E
M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. 15B-11-D
PEORIA & TAZEWELL COUNTIES



PLAN - SPAN 6E



SEC. AT F.B.s 116 - 137

*a = slab width dimensioned along ϵ of each Floor Beam.

Bar Size	Minimum Lap Distance
#4	1'-4"
#5	1'-8"
#6	2'-0"
#8	3'-6"

TABLE OF SLAB DIMENSIONS

@ ϵ F.B. No.	a
116	29'-4 1/4"
117	26'-9"
118	24'-10 3/16"
119	23'-10 1/16"
120	23'-3 1/2"
121	22'-8 15/16"
122	22'-2 23/32"
123	21'-7 13/16"
124	21'-1 1/4"
125	20'-6 11/16"
126	20'-0 1/16"
127	19'-5 1/2"
128	18'-10 5/16"
129	18'-4 3/8"
130	17'-9 13/16"
131	17'-3 1/4"
132	16'-8 11/16"
133	16'-2 1/8"
134	15'-7 1/16"
135	15'-0 15/16"
136	14'-6 3/8"
137	13'-11 13/16"

NOTES

Reinforcement bars designated (E) shall be epoxy coated. See Special Provisions.

Bars indicated thus 20 x 3-#5 indicates 20 lines of bars with 3 lengths per line. See Sheet 61A & 61B of 88 for Bar Details & Bill of Material.

** For spacing of b bars in Bottom of Slab see Cross Sections on Sheet 60A of 88.

*** Construction Joints in Curb to Top of Slab. (Insert 1/2" Aluminum Sheets. For Light Pedestal Details see Sheet 3 of 88.

For Details of Longitudinal Reinforcement in Curbs see Sheet 62A of 88.

No. 5, Spacing & Locations of bars indicated only by bar designation - b330(E), a330 etc. are given in table entitled "Table of Slab Reinforcement" on Sheet 61A & 61B of 88.

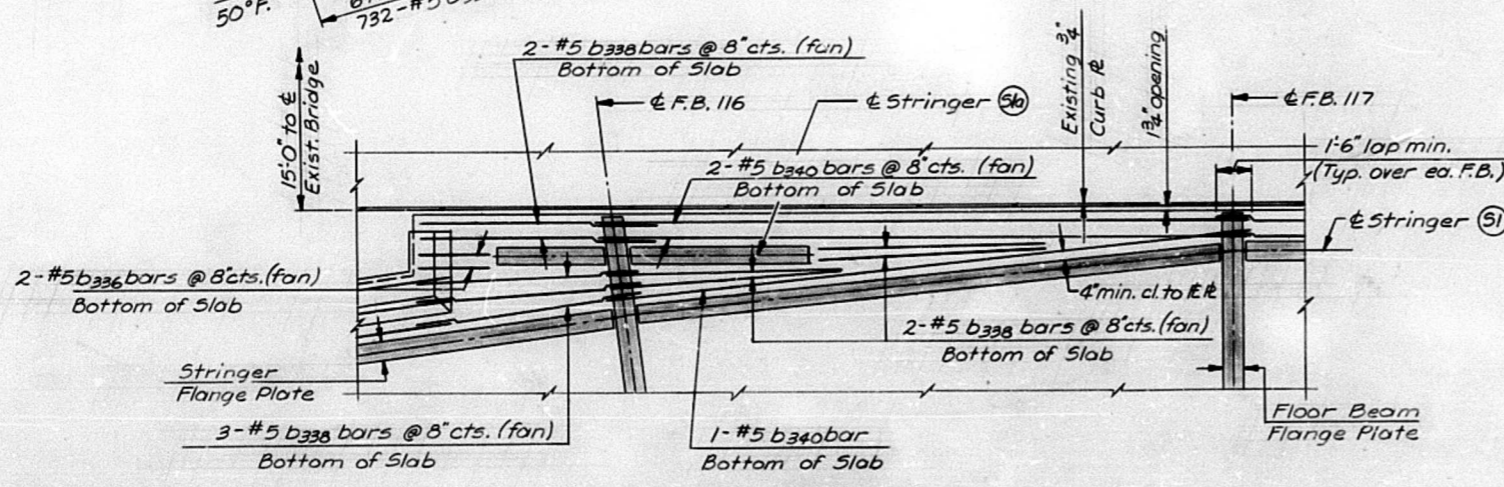
Place Radially all Transverse Reinforcement between F.B. 111 & F.B. 117.

Transverse Reinforcement Bars a330, a333 are spaced @ 7 1/2 cts. along ϵ Stringer (S1).

For Sections A-A & D-D See Sheet 60A of 88.

For Section K-K See Spans 3E, 4E & 5E Sheet 52A of 88.

All dimensions shown are measured horizontally.



DETAIL - A
PARTIAL PLAN
(Showing Bottom Longitudinal Reinforcement Only.)

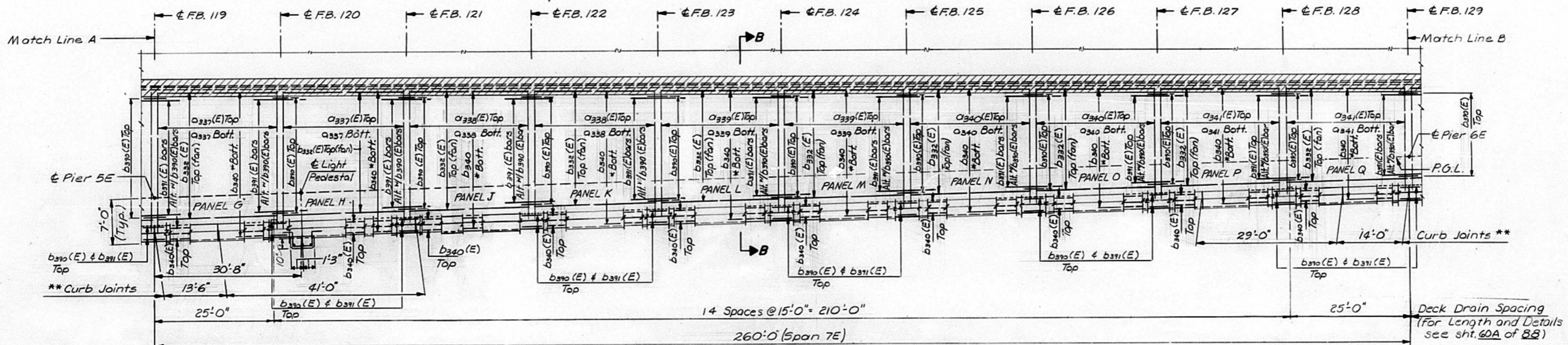
**SUPERSTRUCTURE
RAMP E - SPAN 6E**

**M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER**

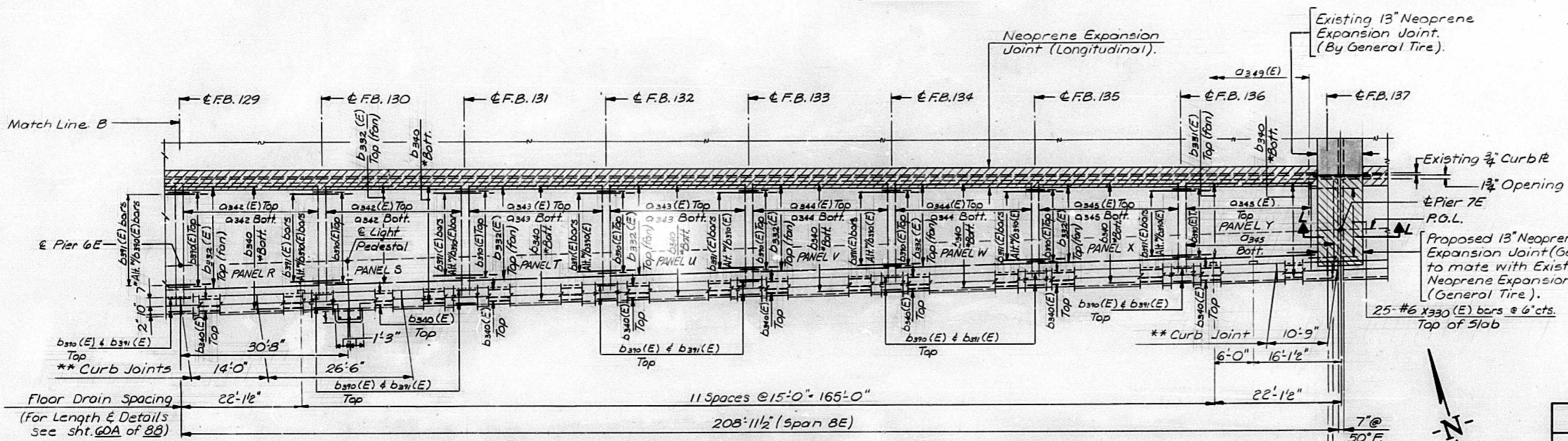
**F.A. ROUTE 49 SEC. 158-II-D
PEORIA & TAZEWELL COUNTIES**

DESIGNED WDL		FILE NO.
CHECKED CRN		74001
DRAWN D.A.N.		DATE
CHECKED CRN		8-22-80

SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS



PLAN-SPAN 7E



PLAN-SPAN 8E

NOTES

For Section B-B see Sheet 60A of 88.
For Section L-L see Sheet 67A of 88.
For Light Pedestal Details see Sheet 3 of 88.
All dimensions shown are measured horizontally.
Reinforcement bars designated (E) shall be epoxy coated. See Special Provisions.

Bar Size	Minimum Lap Distance
#4	1'-4"
#5	1'-8"
#6	2'-0"
#8	3'-6"

SUPERSTRUCTURE
RAMP E - SPANS 7E & 8E
M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED W.D.L.	<p>HANSON ENGINEERS INCORPORATED</p> <p>SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS</p>	FILE NO.
CHECKED C.R.N.		74001
DRAWN D.A.N.		DATE
CHECKED C.R.N.		8-22-80

TABLE OF SLAB REINFORCEMENT

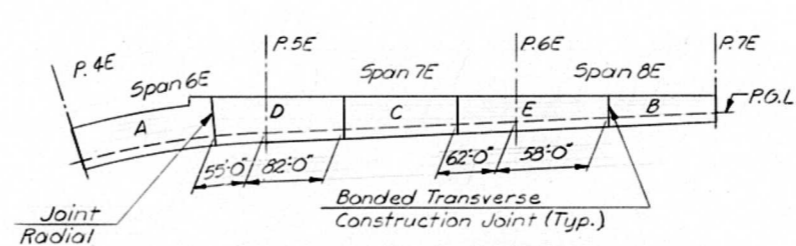
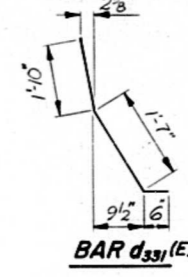
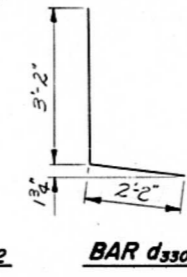
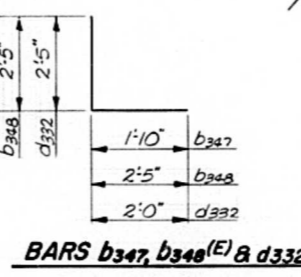
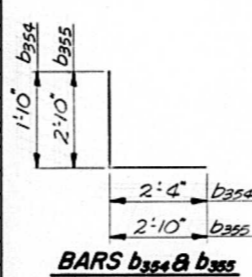
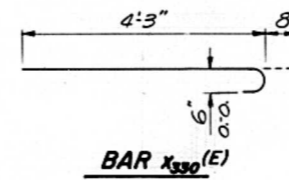
Panel	Bar	Top or Bott. of Slab	Location	Size & Spacing	No.
A	O330	(E) Top	See Plan	#6@7 1/2"	28
"	O330	Bott.	"	"	40
"	b332	(E) Top	"	#5-2es.	3
"	b330	(E) "	"	#5@12"	12
"	b331	(E) "	"	"	12
"	b332	(E) "	"	#5-2es.	3
"	b332	Bott.	Under N.Curb	"	3
"	b332	"	Betw. 53454	#5@8"	9
"	b332	"	Betw. 51452	"	9
"	b332	"	Betw. 52453	"	9
"	b342	"	Under S.Curb	#5-2es.	3
B	O330	(E) Top	See Plan	#6@7 1/2"	42
"	O330	Bott.	"	"	42
"	b340	(E) Top	"	#5-2es.	3
"	b332	(E) "	"	#5@12"	12
"	b332	(E) "	"	"	12
"	b340	(E) "	"	#5-2es.	3
"	b340	Bott.	Betw. 53454	#5@8"	9
"	b340	"	Betw. 51452	"	9
"	b340	"	Under N.Curb	#5-2es.	3
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 52453	#5@8"	9
C	O330	(E) Top	See Plan	#6@7 1/2"	28
"	O330	Bott.	"	"	28
"	O331	(E) Top	"	"	14
"	O331	Bott.	"	"	14
"	b332	(E) Top	"	#5@12"	12
"	b332	(E) "	"	"	12
"	b341	(E) "	"	#5-2es.	3
"	b340	(E) "	"	#5-2es.	3
"	b337	(E) "	"	#5@12"	5*
"	b340	Bott.	Betw. 53454	#5@8"	9
"	b340	"	Betw. 51452	"	9
"	b341	"	Under N.Curb	#5-2es.	3
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 52453	#5@8"	9
D	O331	(E) Top	See Plan	#6@7 1/2"	14
"	O331	Bott.	"	"	14
"	O332	(E) Top	"	"	14
"	O332	Bott.	"	"	14
"	O333	(E) Top	"	"	14
"	O333	Bott.	"	"	14
"	b332	(E) Top	"	#5@12"	12*
"	b332	Bott.	Betw. 53454	#5@8"	10*
"	b331	(E) Top	See Plan	#5@12"	12
"	b344	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	9
"	b344	"	Under S.Curb	#5-2es.	3
"	b346	"	Betw. 52453	#5@8"	10*
E	O334	(E) Top	See Plan	#6@7 1/2"	28
"	O334	Bott.	"	"	28
"	O335	(E) Top	"	"	14
"	O335	Bott.	"	"	14
"	b332	(E) Top	"	#5@12"	22*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	11*
"	b340	"	Betw. 52453	#5@8"	10*
"	b340	"	Betw. 53454	#5@8"	10*
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
F	O335	(E) Top	See Plan	#6@7 1/2"	14
"	O335	Bott.	"	"	14
"	O336	(E) Top	"	"	28
"	O336	Bott.	"	"	28
"	b332	(E) Top	"	#5@12"	22*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	3
"	b340	Bott.	Betw. 52453	#5@8"	10

Panel	Bar	Top or Bott. of Slab	Location	Size & Spacing	No.
F	b340	Bott.	Betw. 53454	#5-2es.	9*
"	O340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
G	O337	(E) Top	See Plan	#6@7 1/2"	42
"	O337	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	22*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	8
"	b340	"	Betw. 52453	"	10
"	b340	"	Betw. 53454	"	7
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
H	O337	(E) Top	See Plan	#6@7 1/2"	42
"	O337	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	21*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	8
"	b340	"	Betw. 52453	"	7*
"	b340	"	Betw. 53454	"	9*
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
J	O338	(E) Top	See Plan	#6@7 1/2"	42
"	O338	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	21*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	8
"	b340	"	Betw. 52453	"	7
"	b340	"	Betw. 53454	"	8
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
K	O338	(E) Top	See Plan	#6@7 1/2"	42
"	O338	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	20*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	8
"	b340	"	Betw. 52453	"	7
"	b340	"	Betw. 53454	"	8
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
L	O339	(E) Top	See Plan	#6@7 1/2"	42
"	O339	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	20*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	8
"	b340	"	Betw. 52453	"	7
"	b340	"	Betw. 53454	"	7*
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
M	O339	(E) Top	See Plan	#6@7 1/2"	42
"	O339	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	19*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	8
"	b340	"	Betw. 52453	"	7
"	b340	"	Betw. 53454	"	5*
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
N	O340	(E) Top	See Plan	#6@7 1/2"	42
"	O340	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	19*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	8*
"	b340	"	Betw. 52453	"	7
"	b340	"	Betw. 53454	"	5
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
O	O340	(E) Top	See Plan	#6@7 1/2"	42
"	O340	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	18*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	10*
"	b340	Bott.	Betw. 52453	"	10

Panel	Bar	Top or Bott. of Slab	Location	Size & Spacing	No.
O	b340	Bott.	Under S.Curb	#5-2es.	3
"	O340	"	Betw. 51452	#5@8"	2
P	O341	(E) Top	See Plan	#6@7 1/2"	42
"	O341	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	17*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	10
"	b340	"	Betw. 52453	"	10
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
Q	O341	(E) Top	See Plan	#6@7 1/2"	42
"	O341	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	17*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	10
"	b340	"	Betw. 52453	"	10
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
R	O342	(E) Top	See Plan	#6@7 1/2"	42
"	O342	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	16*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	10
"	b340	"	Betw. 52453	"	8*
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
S	O342	(E) Top	See Plan	#6@7 1/2"	42
"	O342	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	16*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	10
"	b340	"	Betw. 52453	"	8*
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
T	O343	(E) Top	See Plan	#6@7 1/2"	42
"	O343	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	15*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	10
"	b340	"	Betw. 52453	"	7*
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
U	O343	(E) Top	See Plan	#6@7 1/2"	42
"	O343	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	15*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	7
"	b340	"	Betw. 52453	"	9*
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
V	O344	(E) Top	See Plan	#6@7 1/2"	42
"	O344	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	14*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	7
"	b340	"	Betw. 52453	"	8*
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
W	O344	(E) Top	See Plan	#6@7 1/2"	42
"	O344	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	14*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	7
"	b340	"	Betw. 52453	"	7*
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2
X	O345	(E) Top	See Plan	#6@7 1/2"	42
"	O345	Bott.	"	"	42
"	b332	(E) Top	"	#5@12"	13*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	7
"	b340	Bott.	Betw. 52453	"	6*

Panel	Bar	Top or Bott. of Slab	Location	Size & Spacing	No.
X	b340	Bott.	Under S.Curb	#5-2es.	3
"	O340	"	Betw. 51452	#5@8"	2
Y	O345	(E) Top	See Plan	#6@7 1/2"	41
"	O345	Bott.	"	"	43
"	b331	(E) Top	"	#5@12"	13*
"	b340	(E) Top	"	#5-2es.	3
"	b340	Bott.	Betw. 51452	#5@8"	7
"	b340	"	Betw. 52453	"	5
"	b340	"	Under S.Curb	#5-2es.	3
"	b340	"	Betw. 51452	#5@8"	2

Note: 2es. = 2 Equal Spaces
* = Fan re-bars as required.



SLAB POURING SEQUENCE

Note: The concrete floor slab shall be poured in one continuous operation between construction joints.
The pouring shall be done in alphabetical order. If the area C is not poured on the same day as A and B, then there should be a seven (7) day time lapse between pours.

BILL OF MATERIAL
RAMP E - SPANS 6E, 7E & 8E

Bar	No.	Size	Length	Shape
O330	386	#6	26'-0"	
O331	56	#6	28'-8"	
O332	28	#6	27'-1"	
O333	28	#6	25'-6	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 49	(15B-1)-D	PEORIA & TAZEWELL	97	658
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT		

Sheet 61 B of 88

TABLE OF SLAB REINFORCEMENT

Floor BM. No.	Bar	Top or Bot. of Slab	Location	Size & Spacing	No.
112-115	b390(E)	Top	See Plan	#5 @ 12"	24
	b390(E)	"	Under Curbs	#5 - 2 eq. spa.	6
	b391(E)	"	See Plan	Alt. w/ b390(E)	23
	b391(E)	"	Under Curbs	"	4
116-117	b390(E)	"	See Plan	lap w/ b332(E) & b332(E)	24
	b390(E)	"	Under Curb	lap w/ b334(E) & b334(E)	3
	b391(E)	"	See Plan	Alt. w/ b390(E)	23
	b391(E)	"	Under Curb	"	2
118-120	b390(E)	"	See Plan	lap w/ b332(E)	22
	b390(E)	"	Under Curb	lap w/ b340(E)	3
	b391(E)	"	See Plan	Alt. w/ b390(E)	21
	b391(E)	"	Under Curb	"	2
121-122	b390(E)	"	See Plan	lap w/ b332(E)	21
	b390(E)	"	Under Curb	lap w/ b340(E)	3
	b391(E)	"	See Plan	Alt. w/ b390(E)	20
	b391(E)	"	Under Curb	"	2
123-124	b390(E)	"	See Plan	lap w/ b332(E)	20
	b390(E)	"	Under Curb	lap w/ b340(E)	3
	b391(E)	"	See Plan	Alt. w/ b390(E)	19
	b391(E)	"	Under Curb	"	2
125-126	b390(E)	"	See Plan	lap w/ b332(E)	19
	b390(E)	"	Under Curb	lap w/ b340(E)	3
	b391(E)	"	See Plan	Alt. w/ b390(E)	18
	b391(E)	"	Under Curb	"	2
127	b390(E)	"	See Plan	lap w/ b332(E)	18
	b390(E)	"	Under Curb	lap w/ b340(E)	3
	b391(E)	"	See Plan	Alt. w/ b390(E)	17
	b391(E)	"	Under Curb	"	2
128-129	b390(E)	"	See Plan	lap w/ b332(E)	17
	b390(E)	"	Under Curb	lap w/ b340(E)	3
	b391(E)	"	See Plan	Alt. w/ b390(E)	16
	b391(E)	"	Under Curb	"	2
130-131	b390(E)	"	See Plan	lap w/ b332(E)	16
	b390(E)	"	Under Curb	lap w/ b340(E)	3
	b391(E)	"	See Plan	Alt. w/ b390(E)	15
	b391(E)	"	Under Curb	"	2
132-133	b390(E)	"	See Plan	lap w/ b332(E)	15
	b390(E)	"	Under Curb	lap w/ b340(E)	3
	b391(E)	"	See Plan	Alt. w/ b390(E)	14
	b391(E)	"	Under Curb	"	2
134-135	b390(E)	"	See Plan	lap w/ b332(E)	14
	b390(E)	"	Under Curb	lap w/ b340(E)	3
	b391(E)	"	See Plan	Alt. w/ b390(E)	13
	b391(E)	"	Under Curb	"	2
136	b390(E)	"	See Plan	lap w/ b332(E)	13
	b390(E)	"	Under Curb	lap w/ b340(E)	3
	b391(E)	"	See Plan	Alt. w/ b390(E)	12
	b391(E)	"	Under Curb	"	2

BILL OF MATERIAL
RAMP E - SPANS 6E, 7E & 8E

Bar	No.	Bar	No.	Size	Length	Shape
a330(E)	192	a330	194	#6	26'-0"	---
a331(E)	28	a331	28	#6	28'-8"	---
a332(E)	14	a332	14	#6	27'-1"	---
a333(E)	14	a333	14	#6	25'-6"	---
a334(E)	28	a334	28	#6	25'-0"	---
a335(E)	28	a335	28	#6	24'-6"	---
a336(E)	28	a336	28	#6	22'-11"	---
a337(E)	84	a337	84	#6	22'-1"	---
a338(E)	84	a338	84	#6	21'-0"	---
a339(E)	84	a339	84	#6	19'-11"	---
a340(E)	84	a340	84	#6	18'-10"	---
a341(E)	84	a341	84	#6	17'-9"	---
a342(E)	84	a342	84	#6	16'-7"	---
a343(E)	84	a343	84	#6	15'-6"	---
a344(E)	84	a344	84	#6	14'-5"	---
a345(E)	83	a345	85	#6	13'-4"	---
a346(E)	636			#6	4'-0"	---
a347(E)	3			#6	4'-0"	---
a348(E)	28			#5	6'-0"	---
a349(E)	420			#5	3'-11"	---
b330(E)	13	b330	1	#5	23'-6"	---
b331(E)	37			#5	24'-5"	---
b332(E)	452	b332	40	#5	25'-10"	---
		b333	2	#8	40'-8"	---
		b334	10	#8	35'-3"	---
		b335	2	#8	28'-9"	---
		b336	2	#5	3'-0"	---
b337(E)	5			#5	8'-0"	---
b338(E)	1	b338	10	#5	10'-3"	---
		b339	2	#8	26'-2"	---
b340(E)	87	b340	641	#5	27'-9"	---
b341(E)	3	b341	3	#5	19'-10"	---
b342(E)	3	b342	3	#5	26'-3"	---
		b343	10	#8	34'-3"	---
b344(E)	3	b344	3	#5	24'-6"	---
		b345	2	#8	10'-5"	---
b346(E)	6	b346	16	#5	26'-3"	---
		b347	1	#5	3'-8"	L
b348(E)	1			#5	4'-10"	L
b349(E)	13	b349	13	#5	28'-10"	---
b350(E)	2	b350	2	#5	13'-1"	---
b351(E)	2	b351	2	#5	21'-1"	---
b352(E)	2	b352	2	#5	13'-8"	---
		b353	8	#8	33'-5"	---
		b354	1	#8	4'-2"	L
		b355	1	#8	5'-8"	L
		b356	10	#8	35'-1"	---
		b357	2	#8	23'-6"	---
		b358	8	#8	13'-2"	---
b390(E)	572			#5	2'-6"	---
b391(E)	518			#6	13'-0"	---

BILL OF MATERIAL
RAMP E - SPANS 6E, 7E & 8E

Bar	No.	Bar	No.	Size	Length	Shape
		d330	796	#4	5'-4"	L
d331(E)	868			#5	3'-11"	L
		d332	6	#6	4'-5"	L
		d333	10	#6	8'-11"	L
		e330	132	#4	14'-4"	---
		e331	12	#4	11'-7"	---
		e332	6	#4	13'-0"	---
		e333	6	#4	3'-2"	L
		e334	90	#4	13'-8"	---
		e335	36	#4	12'-11"	---
		e336	6	#4	10'-5"	---
		e337	48	#4	15'-3"	---
x330(E)	75			#6	4'-11"	C
Rem. of Exist. Deck Drains						Lump Sum 1
Class X Concrete						Cu. Yds. 426.5
Reinforcement Bars						Lbs. 64590
Reinf. Bars (Epoxy Coated)						Lbs. 71280
Neo. Exp. Joint (13")						Lin. Ft. 13.6
Neo. Exp. Joint (Long.)						Lin. Ft. 553.4
Floor Drains						Each 40
Bituminous Concrete Surface Rem.						Sq. Yds. 21.8
Altered Rail Removal						Lin. Ft. 554.3
Curb Plate Removal						Lin. Ft. 556.6
Protective Coat						Sq. Yd. 1748.1

SUPERSTRUCTURE DETAILS
RAMP E - SPANS 6E, 7E & 8E

MC CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED S.C.O.
CHECKED C.R.N.
DRAWN P.M.M.
CHECKED C.R.N.

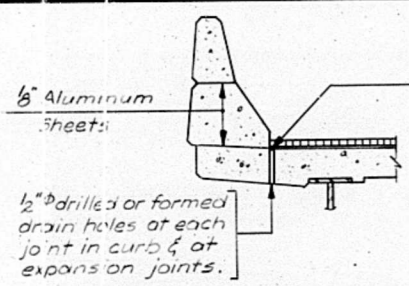


FILE NO. 74001
DATE 5-14-82

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 49	(15B-1)	PEORIA & TAZEWELL	97	66
FED. ROAD DIST. NO. 7	ILLINOIS PROJECT			

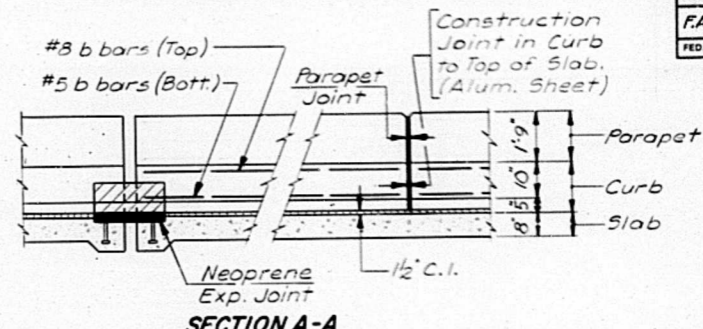
Sheet 62 of 88



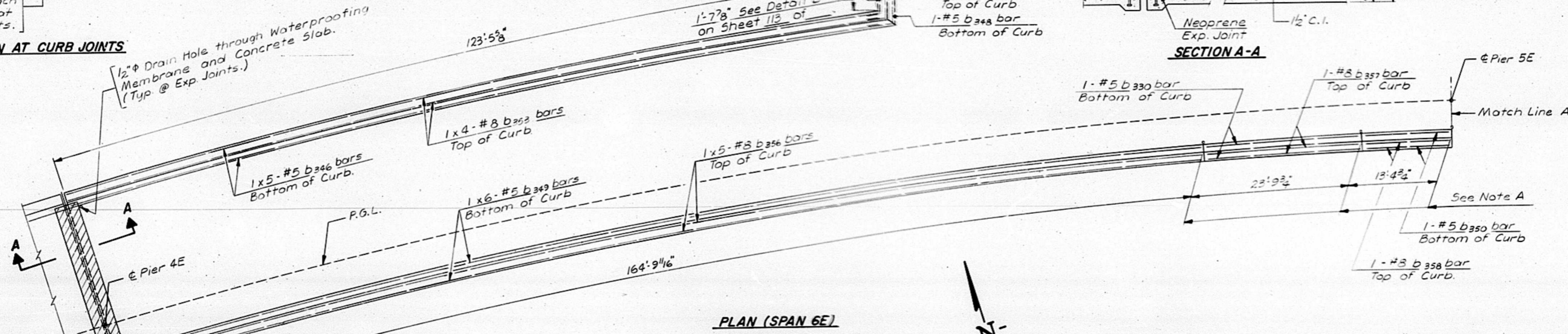
Do not provide opening in Waterproofing Membrane at aluminum sheeted curb joints. Do provide opening through membrane at expansion joints & other dammed low places.

SECTION AT CURB JOINTS

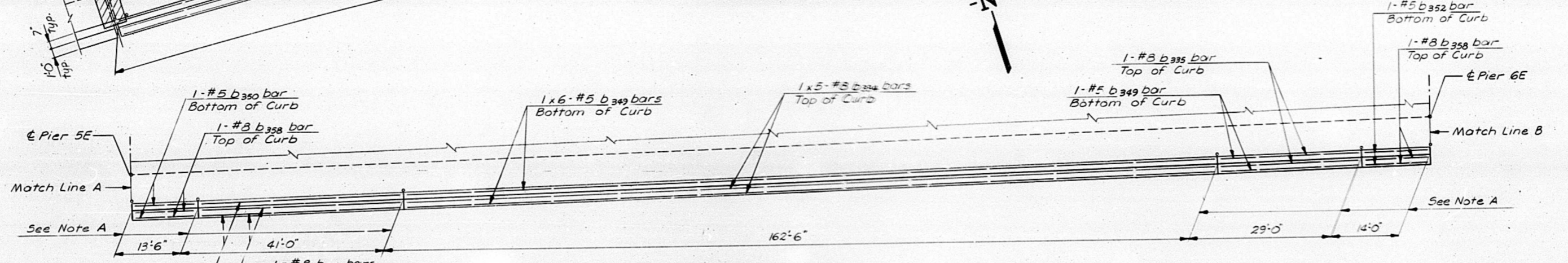
1-#8 b354 bar Top of Curb
1-#5 b347 bar Bottom of Curb



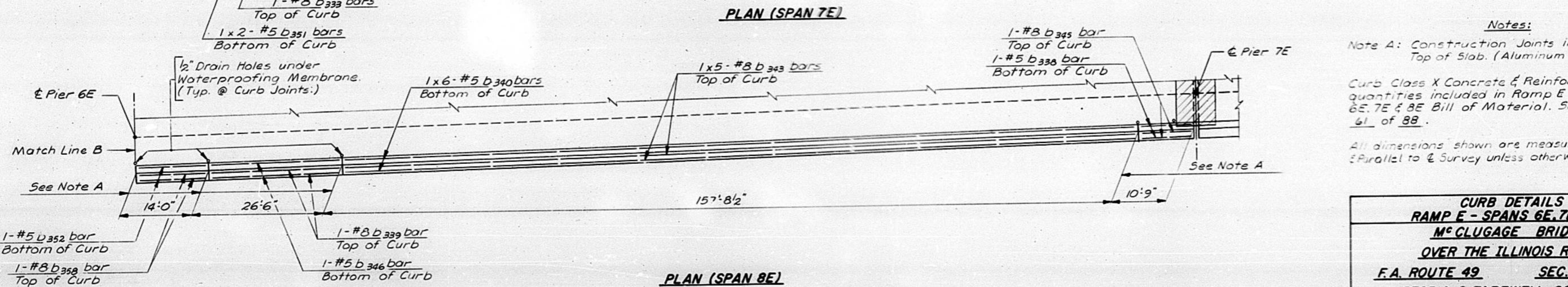
SECTION A-A



PLAN (SPAN 6E)



PLAN (SPAN 7E)



PLAN (SPAN 8E)

Notes:
Note A: Construction Joints in Curb to Top of Slab. (Aluminum Sheets.)
Curb Class X Concrete & Reinforcement quantities included in Ramp E - Spans 6E, 7E & 8E Bill of Material. See Sheet 61 of 88.
All dimensions shown are measured horizontally & parallel to & Survey unless otherwise shown.

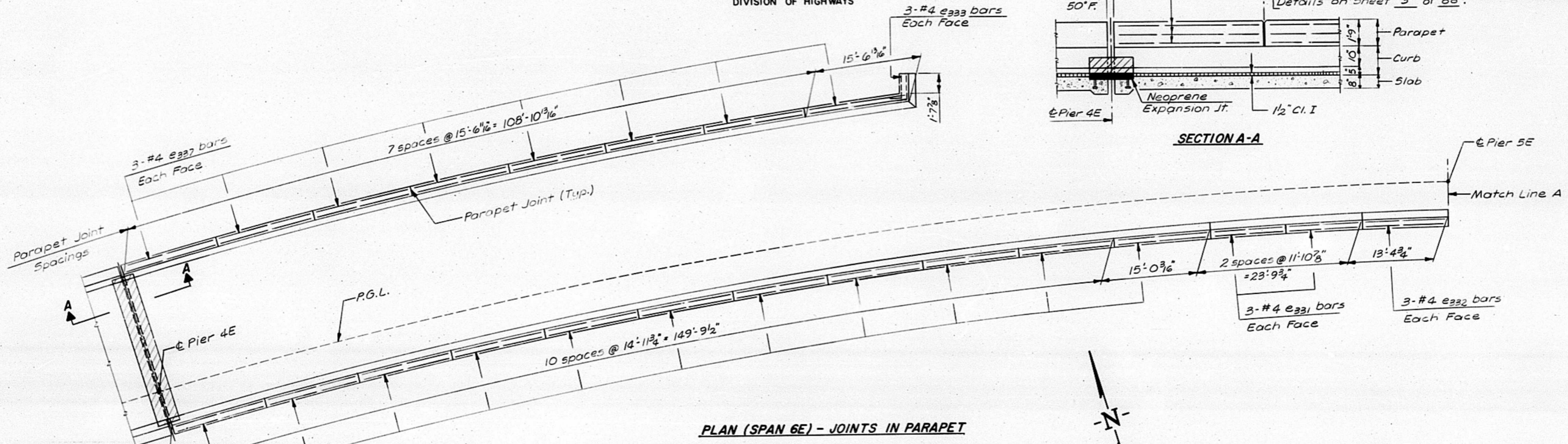
**CURB DETAILS
RAMP E - SPANS 6E, 7E & 8E
M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES**

DESIGNED D.A.N.		FILE NO.
CHECKED C.R.N.		74001
DRAWN D.A.N.		DATE
CHECKED C.R.N.		8-22-80

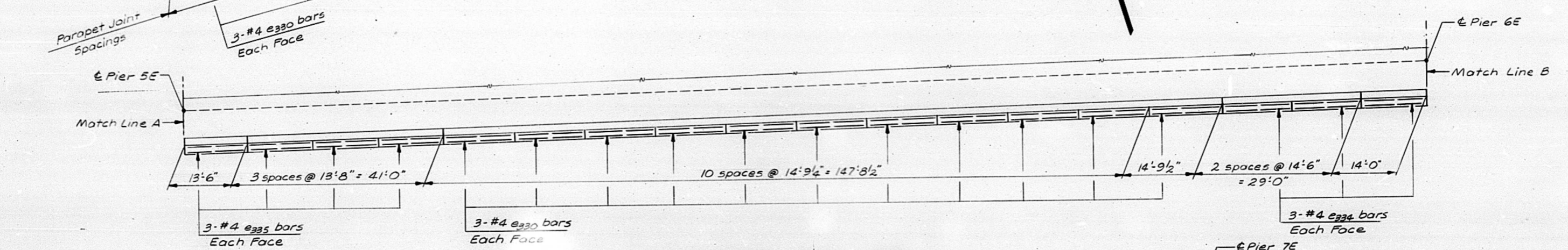
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

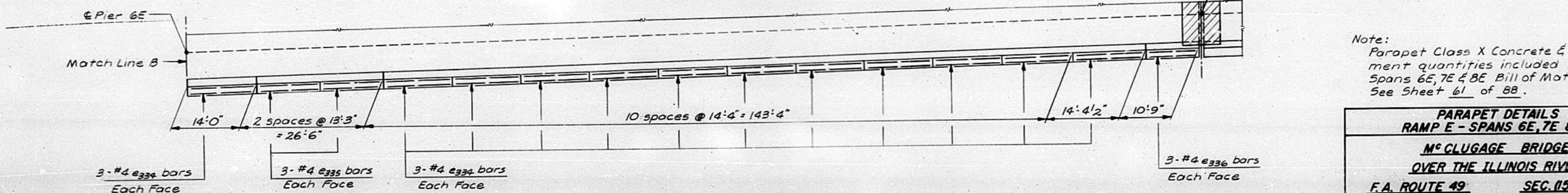
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA.49	(158-1)	PEORIA & TAZEWELL	97	67
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT		Sheet 63 of 83



PLAN (SPAN 6E) - JOINTS IN PARAPET



PLAN (SPAN 7E) - JOINTS IN PARAPET



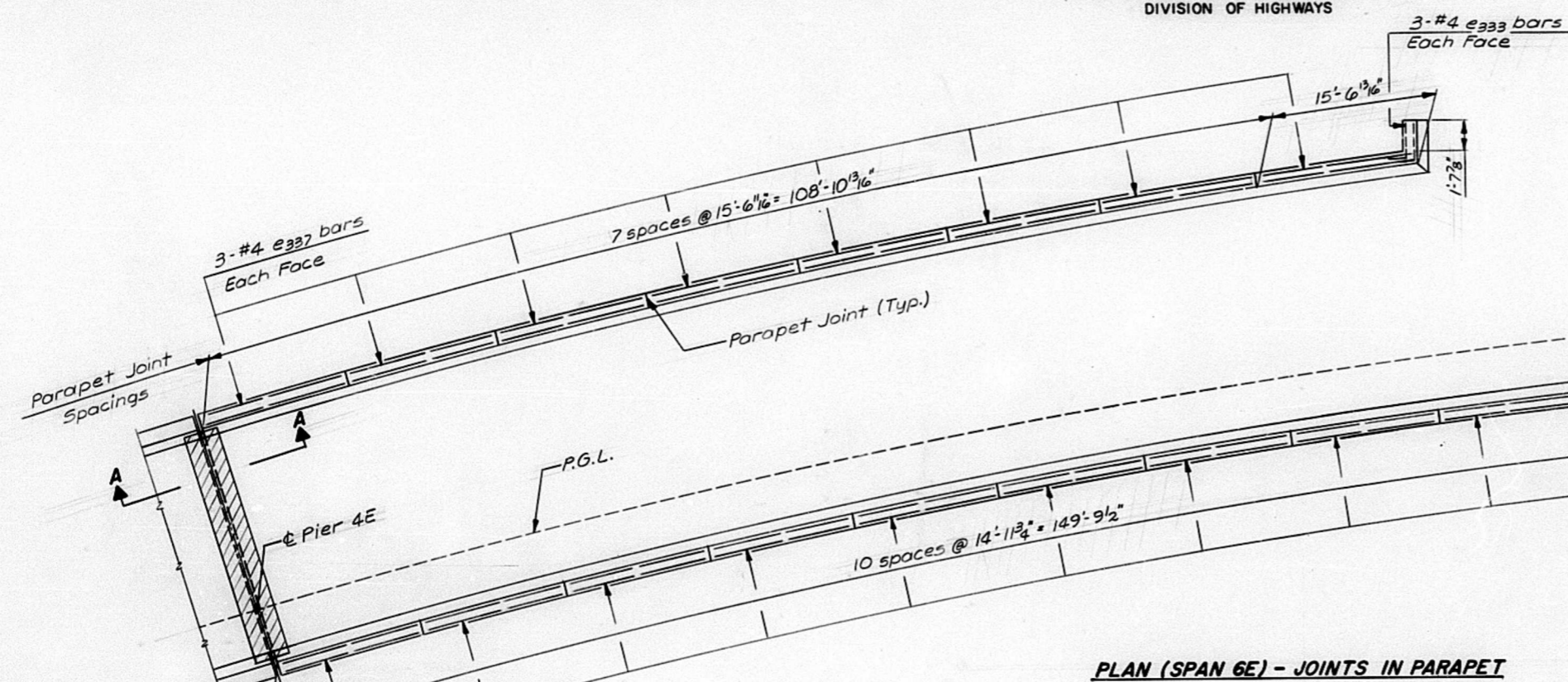
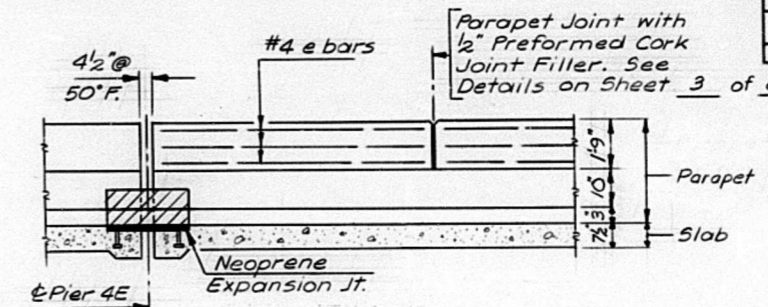
PLAN (SPAN 8E) - JOINTS IN PARAPET

Note: All dimensions shown are measured horizontally & parallel to € Survey unless otherwise shown

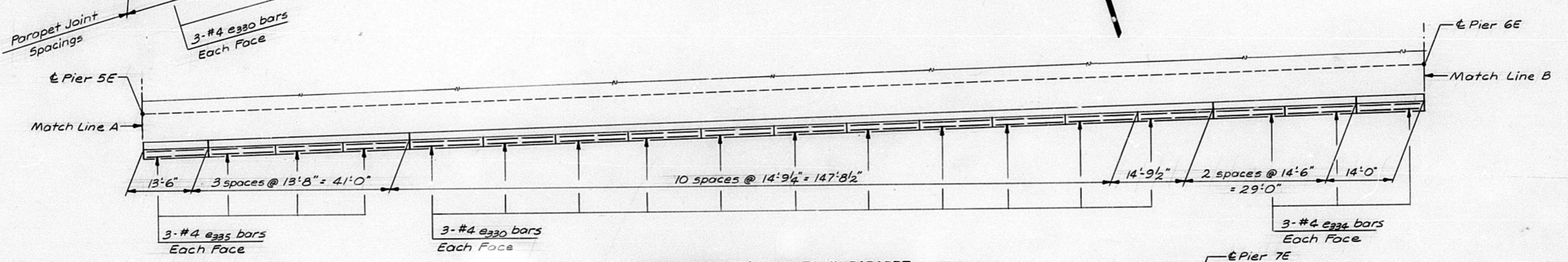
Note:
Parapet Class X Concrete & Reinforcement quantities included in Ramp E - Spans 6E, 7E & 8E Bill of Material. See Sheet 61 of 88.

PARAPET DETAILS
RAMP E - SPANS 6E, 7E & 8E
M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (158-1)-D
PEORIA & TAZEWELL COUNTIES

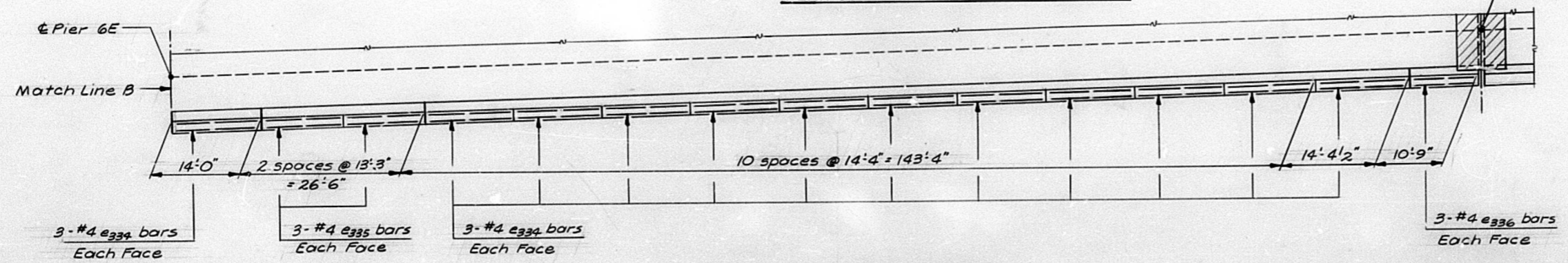
DESIGNED D.A.N.	<p>HANSON ENGINEERS INCORPORATED SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS</p>	FILE NO.
CHECKED C.R.N.		74001
DRAWN D.A.N.		DATE
CHECKED C.R.N.		8-22-80



PLAN (SPAN 6E) - JOINTS IN PARAPET



PLAN (SPAN 7E) - JOINTS IN PARAPET



PLAN (SPAN 8E) - JOINTS IN PARAPET

Note:
Parapet Class X Concrete & Reinforcement quantities included in Ramp E-Spans 6E, 7E & 8E Bill of Material. See Sheet 61A & 61B of 88.

PARAPET DETAILS
RAMP E - SPANS 6E, 7E & 8E
M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (158-1)-D
PEORIA & TAZEWELL COUNTIES

Note: All dimensions shown are measured horizontally & parallel to & Survey unless otherwise shown.

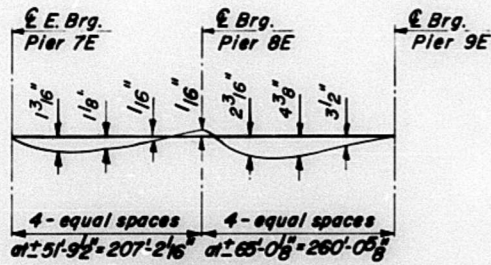
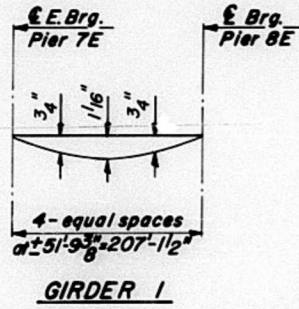
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CHECKED C.R.N.		DATE 8-22-80
DRAWN D.A.N.		
CHECKED C.R.N.		

Revised 5/14/82

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA-49	(15B-1)-D	Peoria & Tazewell	97	68A
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Sheet 64A of 88.



DEAD LOAD DEFLECTION DIAGRAMS

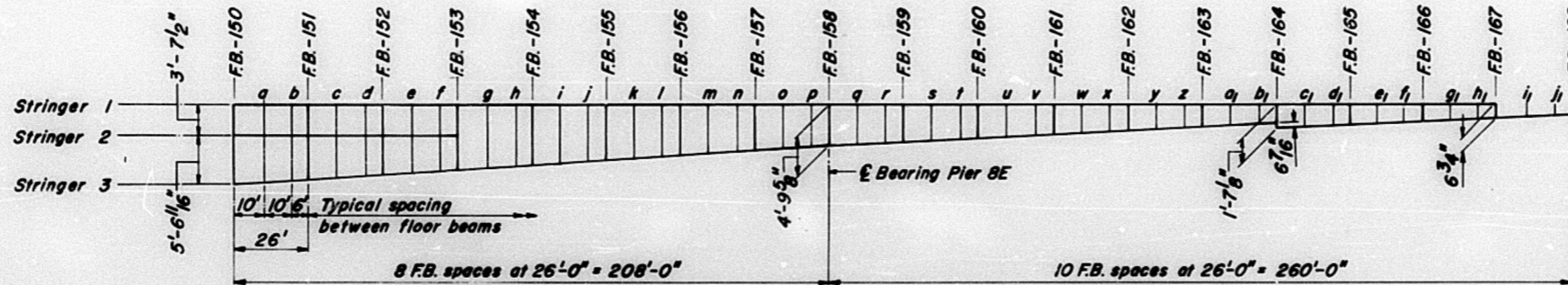
Note: The above deflections are not to be used in the field if the Engineer is working from The Theoretical Grade Elevations Adjusted for Dead Load Deflection (Elev. B) of the adjacent tables.

Note: Span IOE adjusted elevations include girder deflection plus additional adjustment due to rotation of pin connected floor beams.

	STRINGER 1			STRINGER 2			STRINGER 3		
	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B
FB.-150	19+67.284	498.400	498.400	19+67.284	498.339	498.339	19+67.284	498.246	498.246
a	19+77.286	498.400	498.413	19+77.286	498.339	498.356	19+77.286	498.249	498.273
b	19+87.288	498.400	498.427	19+87.288	498.339	498.374	19+87.288	498.253	498.299
FB.-151	19+93.289	498.400	498.435	19+93.289	498.339	498.385	19+93.289	498.255	498.315
c	20+03.291	498.400	498.446	20+03.291	498.339	498.398	20+03.291	498.258	498.334
FB.-152	20+13.293	498.400	498.457	20+13.293	498.339	498.411	20+13.293	498.262	498.353
d	20+19.294	498.400	498.463	20+19.294	498.339	498.419	20+19.294	498.264	498.365
e	20+29.296	498.400	498.470	20+29.296	498.339	498.425	20+29.296	498.267	498.372
FB.-153	20+39.298	498.400	498.477	20+39.298	498.339	498.431	20+39.298	498.271	498.380
f	20+45.300	498.400	498.481	20+45.300	498.339	498.435	20+45.300	498.273	498.386
g	20+55.302	498.400	498.483				20+55.302	498.276	498.381
FB.-154	20+65.304	498.400	498.485				20+65.304	498.280	498.377
h	20+71.305	498.400	498.486				20+71.305	498.282	498.375
i	20+81.307	498.400	498.483				20+81.307	498.286	498.363
FB.-155	20+91.309	498.400	498.481				20+91.309	498.289	498.351
j	20+97.310	498.400	498.479				20+97.310	498.291	498.343
k	21+07.312	498.400	498.472				21+07.312	498.295	498.329
FB.-156	21+17.314	498.400	498.464				21+17.314	498.298	498.315
l	21+23.315	498.400	498.460				21+23.315	498.300	498.308
m	21+33.317	498.400	498.450				21+33.317	498.304	498.301
FB.-157	21+43.319	498.400	498.439				21+43.319	498.308	498.295
n	21+49.320	498.400	498.433				21+49.320	498.310	498.292
o	21+59.322	498.400	498.420				21+59.322	498.313	498.300
p	21+69.324	498.400	498.408				21+69.324	498.317	498.308
FB.-158	21+75.326	498.400	498.400				21+75.326	498.319	498.313
q	21+85.328	498.400	498.404				21+85.328	498.322	498.333
FB.-159	21+95.330	498.400	498.408				21+95.330	498.326	498.357
r	22+01.331	498.400	498.410				22+01.331	498.328	498.370
s	22+11.333	498.400	498.418				22+11.333	498.331	498.405
t	22+21.335	498.400	498.425				22+21.335	498.335	498.439
FB.-160	22+27.336	498.400	498.430				22+27.336	498.337	498.460
u	22+37.338	498.400	498.434				22+37.338	498.340	498.502
v	22+47.340	498.400	498.438				22+47.340	498.344	498.544
FB.-161	22+53.341	498.400	498.440				22+53.341	498.346	498.570
w	22+63.343	498.400	498.455				22+63.343	498.349	498.605
x	22+73.345	498.400	498.471				22+73.345	498.353	498.639
FB.-162	22+79.346	498.400	498.480				22+79.346	498.355	498.660
y	22+89.348	498.400	498.488				22+89.348	498.358	498.683
z	22+99.350	498.400	498.495				22+99.350	498.362	498.706
FB.-163	23+05.352	498.400	498.500				23+05.352	498.364	498.720
aa	23+15.354	498.400	498.508				23+15.354	498.367	498.758
ab	23+25.356	498.400	498.515				23+25.356	498.370	498.797
FB.-164	23+31.357	498.400	498.520				23+31.357	498.372	498.820
ac	23+41.359	498.400	498.528				23+41.359	498.367	498.835
ad	23+51.361	498.400	498.535				23+51.361	498.370	498.851
FB.-165	23+57.362	498.400	498.540				23+57.362	498.372	498.860
ae	23+67.364	498.400	498.536				23+67.364	498.376	498.806
af	23+77.366	498.400	498.532				23+77.366	498.379	498.752
FB.-166	23+83.367	498.400	498.530				23+83.367	498.381	498.720
ag	23+93.369	498.400	498.530				23+93.369	498.384	498.689
ah	24+03.371	498.400	498.530				24+03.371	498.388	498.658
ai	24+09.372	498.400	498.530				24+09.372	498.390	498.640
aj	24+19.374	498.400	498.530				24+19.374	498.393	498.547
ak	24+29.376	498.400	498.530				24+29.376	498.396	498.454
FB.-168							24+35.390	498.398	498.398

ELEVATIONS-TOP OF CONCRETE

ELEV A = THEORETICAL GRADE ELEVATIONS
ELEV B = THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION



DIAGRAMMATIC PLAN - TOP OF CONCRETE ELEVATIONS

Note: All dimensions shown in plan are measured horizontally.

NOTES:

FBs. 150 thru 168 @ points a thru j_i have been adjusted for individual stringer stationing. Stations shown are stations of the intersection of FBs. @ section lines with the profile grade line.

See Sheet 30 of 88 for Method of Determining Fillet Heights.

TOP OF SLAB ELEVATIONS
RAMP E - SPANS 9E & 10E

M^c CLUGAGE BRIDGE

OVER THE ILLINOIS RIVER

F.A. ROUTE 49 SEC. (15B-1)-D

PEORIA & TAZEWELL COUNTIES

DESIGNED W.D.L.
CHECKED S.C.O.
DRAWN D.A.N.
CHECKED W.D.L.

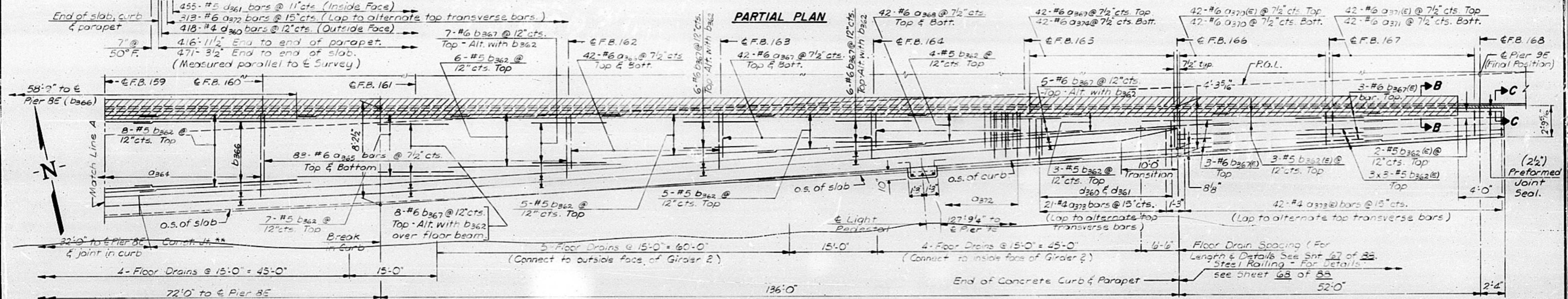
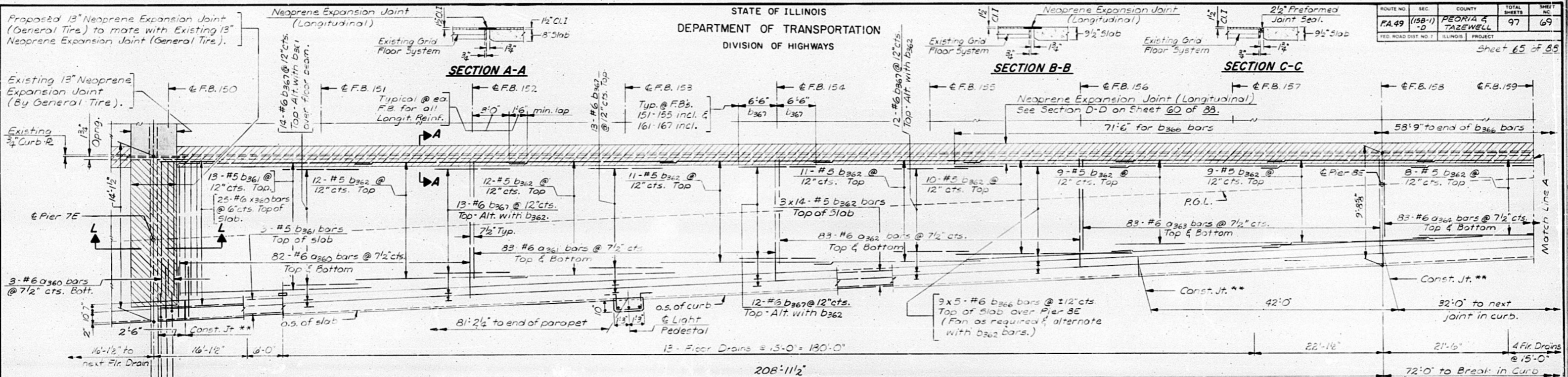


FILE NO. 74001
DATE 8-22-80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 49	(15B-1)-D	PEORIA & TAZEWELL	97	69
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Sheet 65 of 85



NOTES

Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line. See Sheet 67 of 88 for Bill of Material & Bar Details.
For spacing of b361 & b362 bars in bottom of slab see Sheet 64 of 88.
** Construction Joints in Curb to top of Slab. (Insert 1/8" Aluminum Sheets.)
For Curb & Parapet Details & Reinforcement see Sheet 62 of 88.
Bend Reinforcement Bars in field to fit Transition in Curb & Parapet.
For Light Pedestal Details & Reinforcement see Sheet 3 of 88.
For Section A-A see this Sheet
For Section L-L see Sheet 67 of 88.

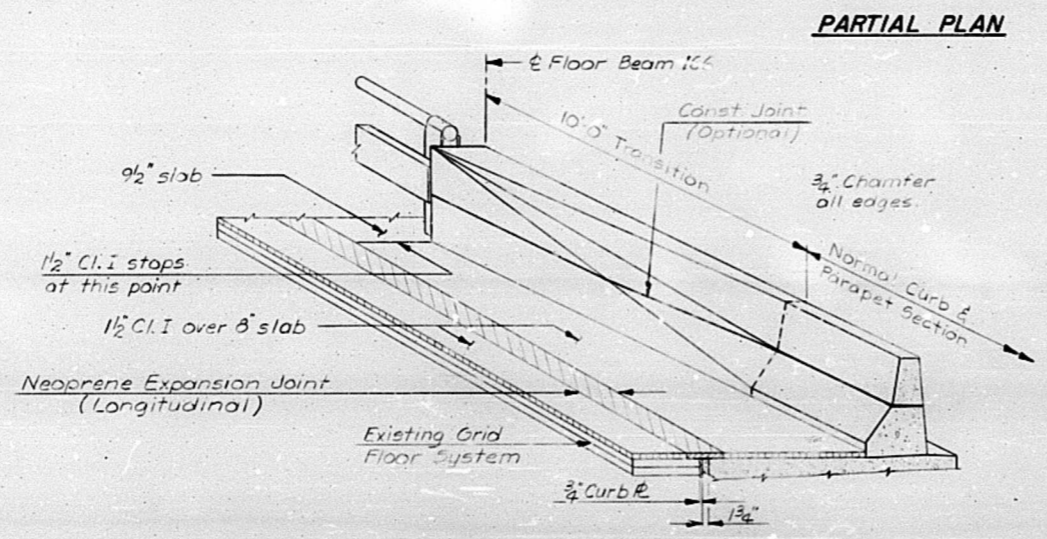


TABLE OF DIMENSIONS SLAB

F.B. No.	a	b	c
150	14'-13/16"	2"	N.A.
151	13'-6 3/8"	2"	N.A.
152	13'-0 1/16"	2"	N.A.
153	12'-5 1/2"	2"	N.A.
154	11'-10 1/4"	2"	N.A.
155	11'-4 5/8"	2"	N.A.
156	10'-9 3/4"	2"	N.A.
157	10'-3 3/8"	2"	N.A.
158	9'-8 3/8"	2"	N.A.
159	9'-2 1/16"	2"	N.A.
160	8'-7 1/2"	2"	N.A.
Break	8'-2 7/8"	2"	N.A.
161	8'-0"	1 9/16"	N.A.
162	7'-1 13/16"	N.A.	3/8"
163	6'-5 9/16"	N.A.	2 5/8"
164	5'-8 9/16"	N.A.	4 1/4"
165	4'-11 7/8"	N.A.	6 9/16"
166	4'-3 1/4"	N.A.	1'-7 1/8"
167	3'-6 5/8"	N.A.	1'-10 3/8"
168	2'-10"	N.A.	2'-3"

Note: All dimensions shown are measured horizontally & parallel to & Survey unless otherwise shown.

Bar Size	Minimum Lap Distance
#4	1'-6"
#5	1'-8"
#6	2'-0"
#3	3'-6"

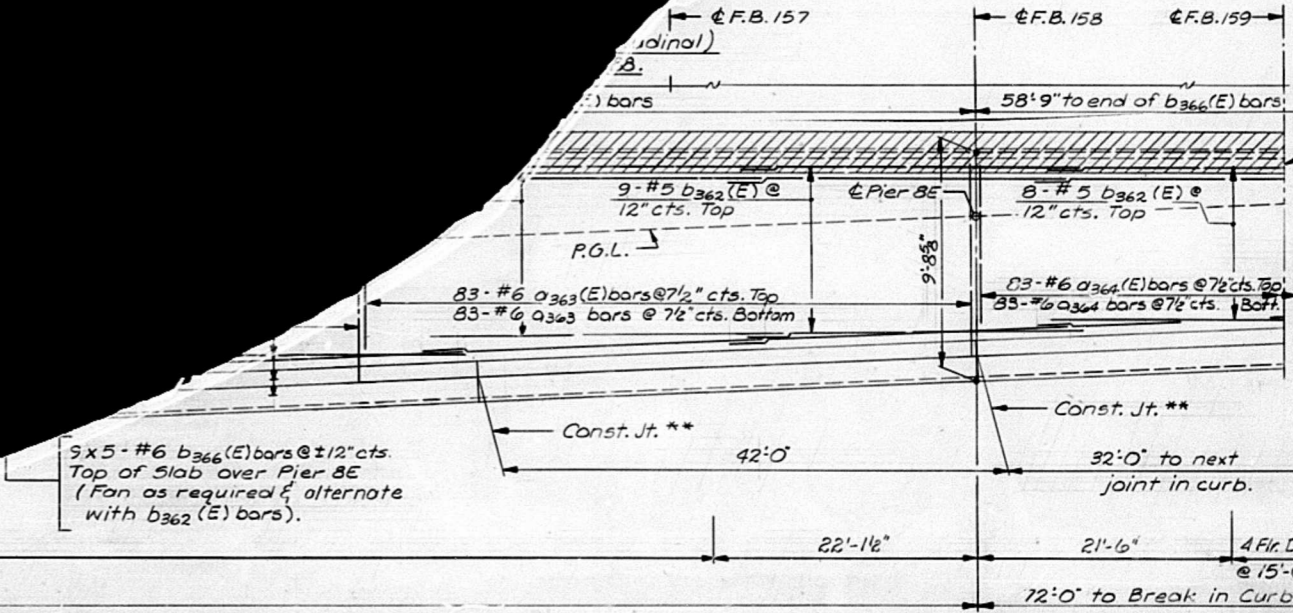
SUPERSTRUCTURE
RAMP E - SPANS 9E & 10E
M^o CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED: WDL
CHECKED: CRN
DRAWN: D.A.N.
CHECKED: CRN

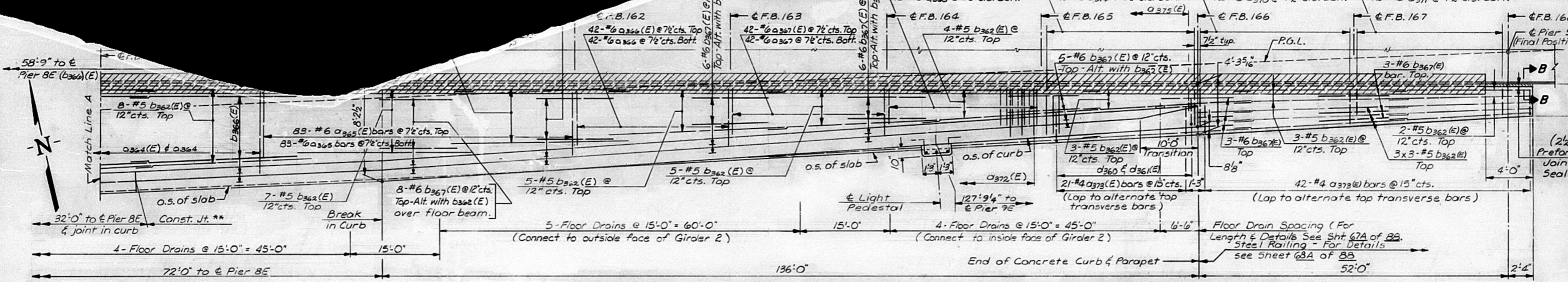
HANSON ENGINEERS INCORPORATED
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

FILE NO. 74001
DATE 8-22-80

SECTION B-B



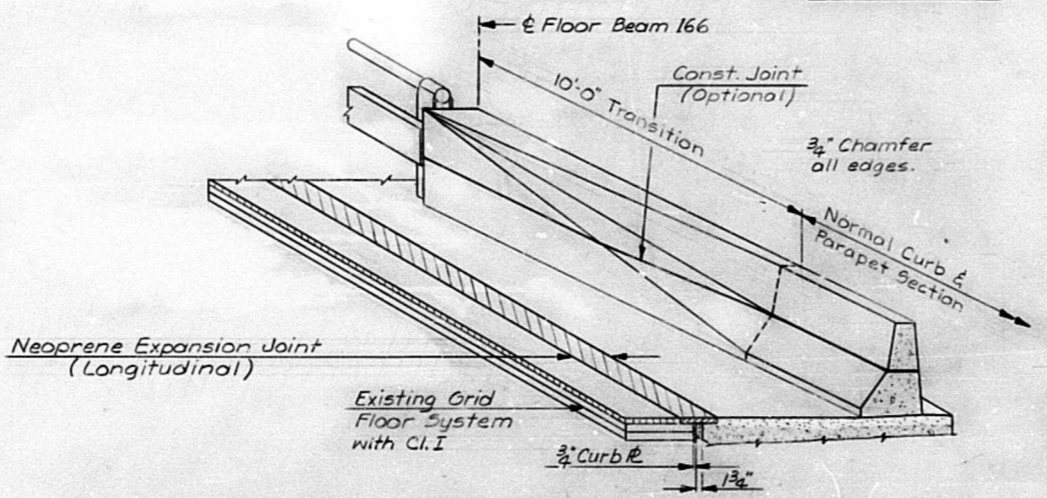
PARTIAL PLAN



NOTES

Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line. See Sheet 67A of 88 for Bill of Material & Bar Details.
 For spacing of b₃₆₁ & b₃₆₂ bars in bottom of slab see Sheet 66A of 88.
 ** Construction Joints in Curb to top of Slab. (Insert 1/8" Aluminum Sheets.)
 For Curb & Parapet Details & Reinforcement see Sheet 69A of 88.
 Bend Reinforcement Bars in field to fit Transition in Curb & Parapet.
 For Light Pedestal Details & Reinforcement see Sheet 3 of 88.
 For Section A-A see this Sheet.
 For Section L-L see Sheet 67A of 88.
 Reinforcement bars designated (E) shall be epoxy coated. See Special Provisions.

PARTIAL PLAN



DETAILS OF TRANSITION AT CURB & PARAPET

TABLE OF DIMENSIONS SLAB

F.B. No.	a	b	c
150	14'-1 3/16"	2"	N.A.
151	13'-6 5/8"	2"	N.A.
152	13'-0 1/16"	2"	N.A.
153	12'-5 1/2"	2"	N.A.
154	11'-10 1/16"	2"	N.A.
155	11'-4 5/16"	2"	N.A.
156	10'-9 3/4"	2"	N.A.
157	10'-3 3/16"	2"	N.A.
158	9'-8 5/8"	2"	N.A.
159	9'-2 1/16"	2"	N.A.
160	8'-7 1/2"	2"	N.A.
Break	8'-2 1/16"	2"	N.A.
161	8'-0"	1 9/16"	N.A.
162	7'-1 9/16"	N.A.	3 5/8"
163	6'-5 9/16"	N.A.	2 5/16"
164	5'-8 9/16"	N.A.	4 1/2"
165	4'-11 8/16"	N.A.	6 3/16"
166	4'-3 1/4"	N.A.	1'-7 7/8"
167	3'-6 5/8"	N.A.	1'-10 7/16"
168	2'-10"	N.A.	2'-3"

Note: All dimensions shown are measured horizontally & parallel to & Survey unless otherwise shown.

Bar Size	Minimum Lap Distance
#4	1'-6"
#5	1'-8"
#6	2'-0"
#8	3'-6"

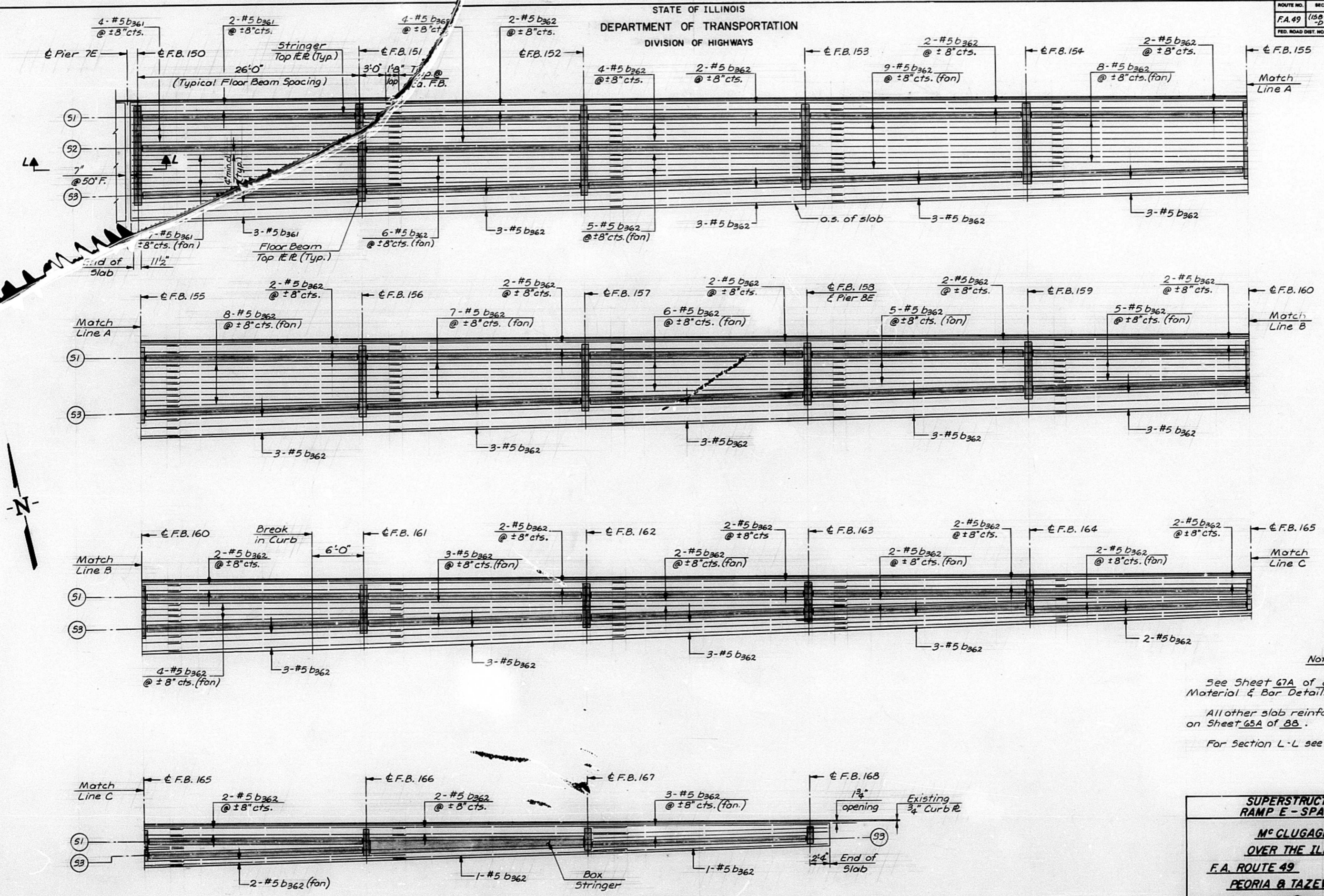
SUPERSTRUCTURE RAMP E - SPANS 9E & 10E
M^c CLUGAGE BRIDGE OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED WDL		FILE NO.
CHECKED C.R.N.		740
DRAWN D.A.N.		DATE
CHECKED C.R.N.		8-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 49	(15B-1)-D	Peoria & Tazewell	97	70A
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT		

Sheet 66A of 88



PLAN OF SLAB
(Showing Bottom Longitudinal Reinforcement Only.)

Notes:

See Sheet 67A of 88 for Bill of Material & Bar Details.
All other slab reinforcement is shown on Sheet 65A of 88.
For Section L-L see Sheet 67A of 88.

SUPERSTRUCTURE DETAILS
RAMP E - SPANS 9E & 10E

M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER

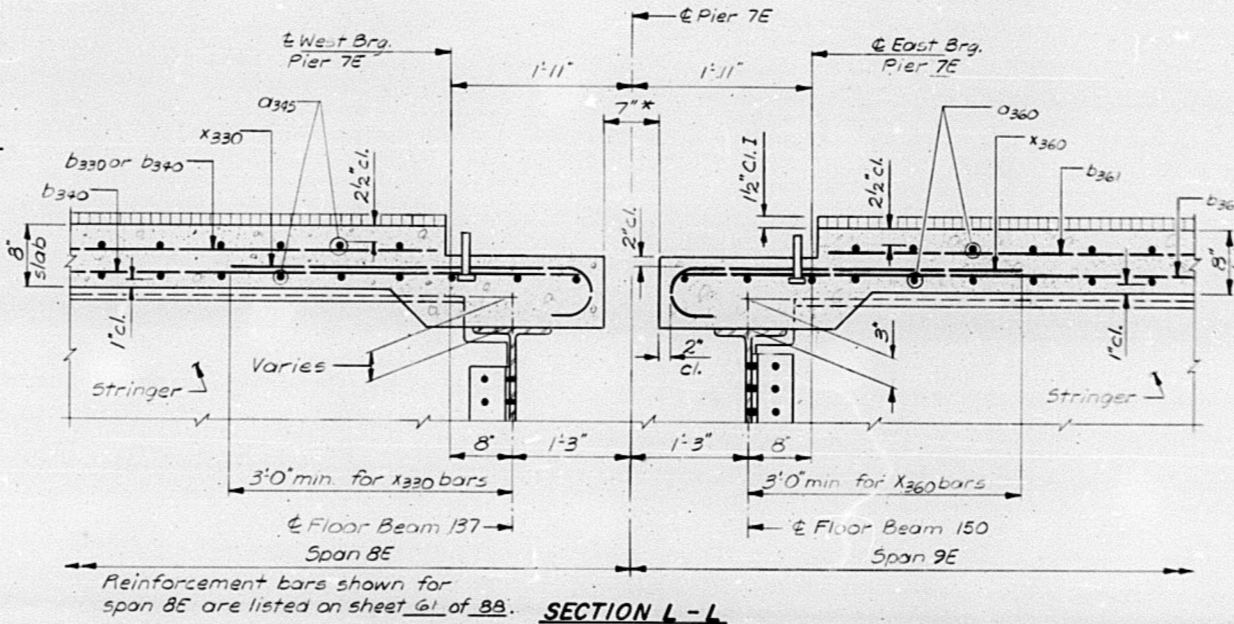
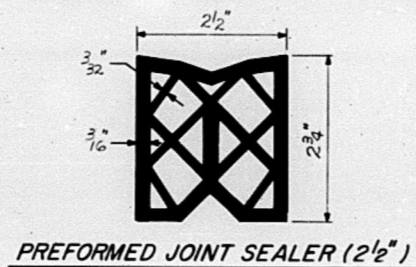
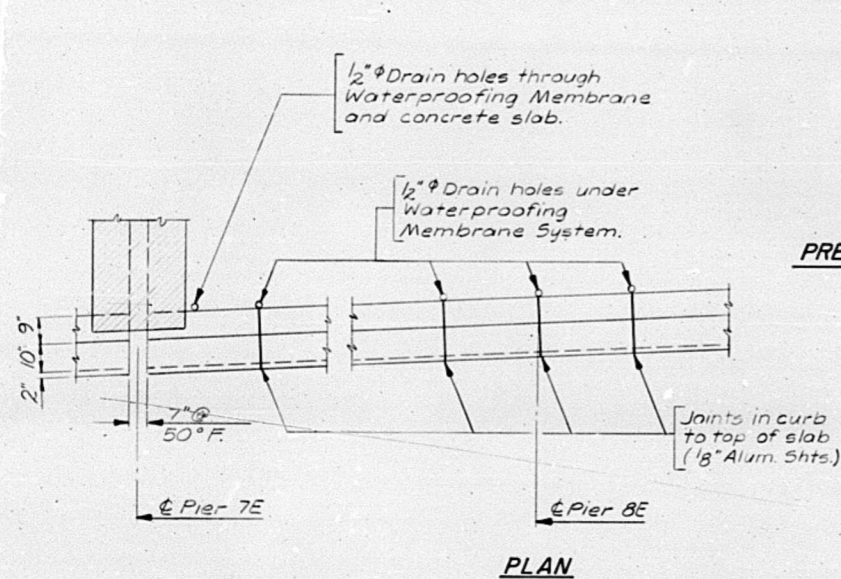
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED H.D.L.		FILE NO. 74001
CHECKED C.R.N.		DATE 8-22-80
DRAWN D.A.N.		
CHECKED C.R.N.		

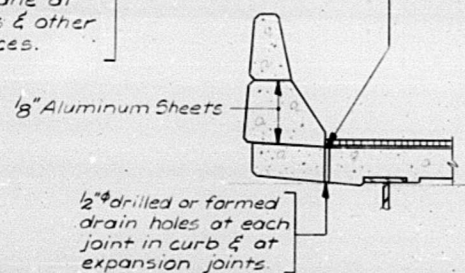
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

*@ 50°F.

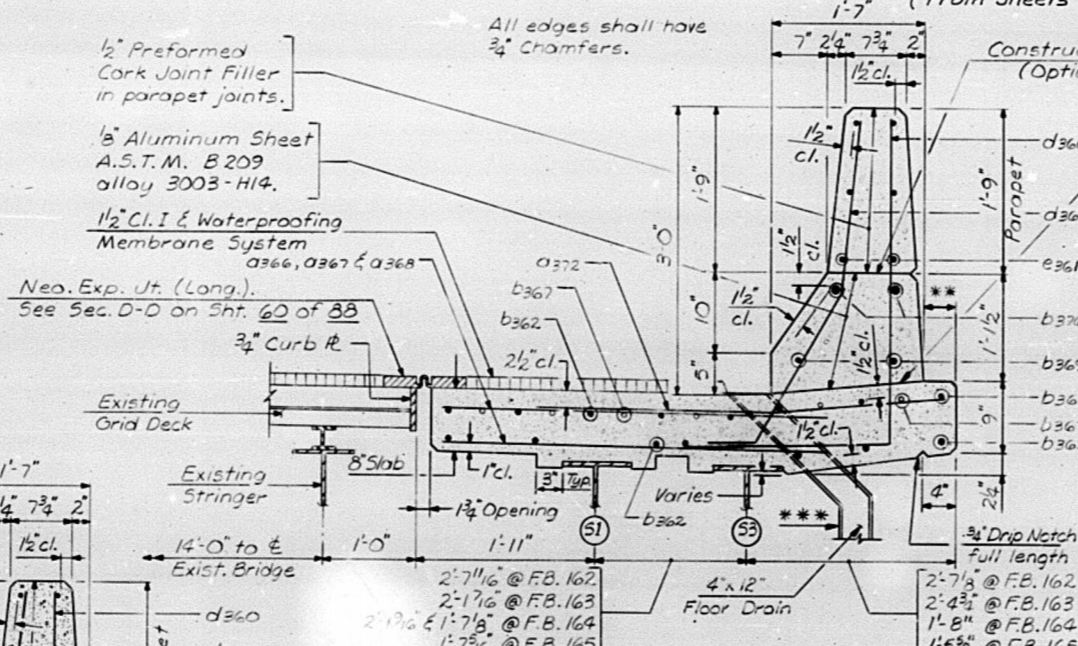
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA.49	(15B-1)	PEORIA & TAZEWELL	47	71
FED. ROAD DIST. NO. 7		ILLINOIS PROJECT	Sheet 67 of 88	



Do not provide opening in waterproofing membrane of aluminum sheeted curb joints. Do provide opening through membrane at expansion joints & other dammed low places.



SECTION AT CURB JOINTS



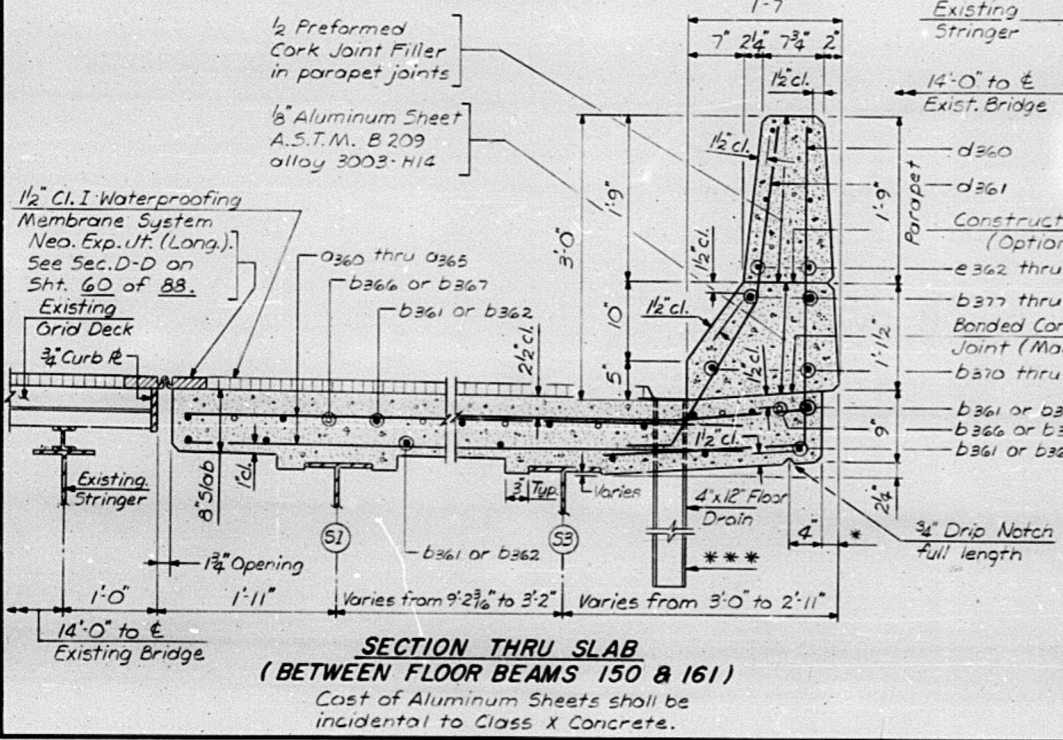
SECTION THRU SLAB (BETWEEN FLOOR BEAMS 161 & 166)

BILL OF MATERIAL (CONT'D)
RAMP E - SPANS 9E & 10E

Item	Quantity	Unit	Value
Class X Concrete	130.5	Cu.Yds.	130.5
Reinforcement Bars	41,320	Lbs.	41,320
Reinforcement Bars (Epoxy Coated)	930	Lbs.	930
Preformed Joint Seal (2 1/2")	4.0	Lin.Ft.	4.0
Neo. Exp. Ut. (Long.)	465.6	Lin.Ft.	465.6
4"x12" Floor Drains	27	Each	27
Bituminous Concrete Surface Removal	18.5	Sq.Yds.	18.5
Altered Rail Removal	469.3	Lin.Ft.	469.3
Steel Railing	52.0	Lin.Ft.	52.0
Stud Shear Connectors	1,350	Each	1,350
Bit. Conc. Sc. Mix. D. Cl.	18.0	Tons	18.0
Waterproofing Membrane System	221.8	Sq.Yds.	221.8
Curb Plate Removal	467.3	Lin.Ft.	467.3
High Strength Bolt Tightening	1	Lump Sum	1
Protective Coat	193.7	Sq. Yds.	193.7

BILL OF MATERIAL
RAMP E - SPANS 9E & 10E

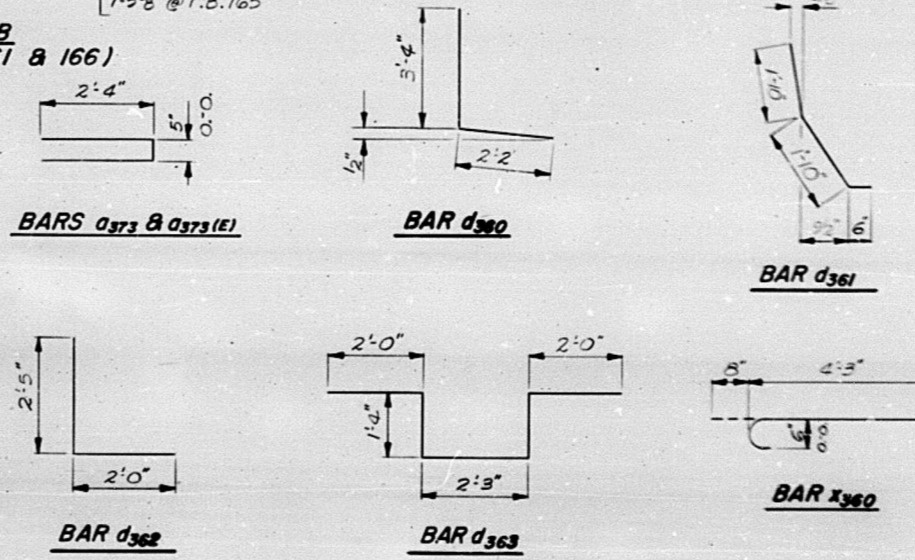
BAR NO.	BAR NO.	SIZE	LENGTH	SHAPE
	0360	167 #6	12'-3"	
	0361	166 #6	11'-2"	
	0362	166 #6	10'-1"	
	0363	166 #6	8'-11"	
	0364	166 #6	7'-4"	
	0365	166 #6	6'-10"	
	0366	84 #6	5'-10"	
	0367	84 #6	4'-7"	
	0368	84 #6	3'-2"	
	0369	42 #6	3'-2"	
	0370	42 #6	2'-11"	
0370(E)	42	#6	2'-11"	
0371(E)	42	#6	2'-2"	
	0372	313 #6	4'-0"	
	0372	21 #4	5'-1"	
0372(E)	42	#4	5'-1"	
	0374	42 #6	3'-9"	
	b361	32 #5	29'-11"	
	b362	322 #5	27'-8"	
b362(E)	14	#5	27'-8"	
	b366	45 #6	27'-8"	
	b367	96 #6	13'-0"	
b367(E)	6	#6	13'-0"	
	b368	2 #5	9'-8"	
	b369	10 #5	26'-6"	
	b370	4 #5	20'-6"	
	b371	4 #5	16'-7"	
	b372	4 #5	21'-8"	
	b373	12 #5	28'-9"	
	b374	2 #5	2'-2"	
	b375	2 #8	9'-8"	
	b376	8 #8	34'-0"	
	b377	4 #8	21'-7"	
	b378	2 #8	31'-8"	
	b379	4 #8	22'-7"	
	b380	10 #8	35'-8"	
	b381	2 #8	2'-2"	
	d360	418 #4	5'-6"	
	d361	455 #5	4'-2"	
	d362	12 #4	19'-8"	
	d363	12 #4	15'-8"	
	d364	18 #4	13'-8"	
	d365	60 #4	16'-1"	
	d366	6 #4	2'-2"	
	x360	25 #6	4'-11"	



SECTION THRU SLAB (BETWEEN FLOOR BEAMS 150 & 161)

Cost of Aluminum Sheets shall be incidental to Class X Concrete.

* = Varies - See Dimension 'b' in Table of Slab Dimensions on Sht. 65 of 88.
 ** = Varies - See Dimension 'c' in Table of Slab Dimensions on Sht. 65 of 88.
 *** = All Floor Drains in Spans 9E & 10E shall be 16'-4" long and shall be located clear of all diaphragms, floor beams, & lateral bracing. See Sht. 3 & 60 of 88 for additional details of Floor Drains.



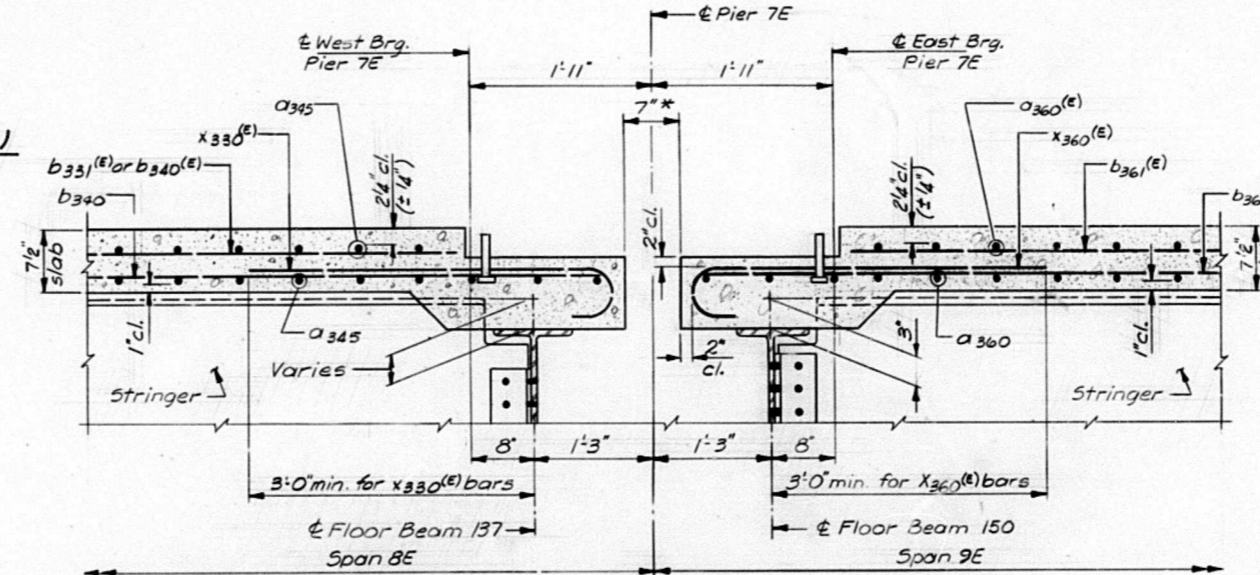
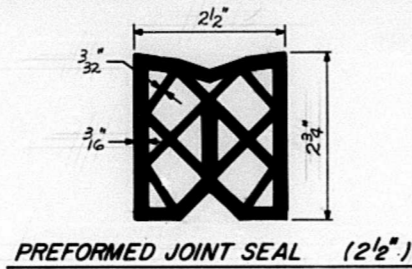
SUPERSTRUCTURE DETAILS
RAMP E - SPANS 9E & 10E

M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-11)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED WDL
CHECKED C.R.N.
DRAWN D.A.N.
CHECKED C.R.M.

HANSON ENGINEERS
INCORPORATED
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

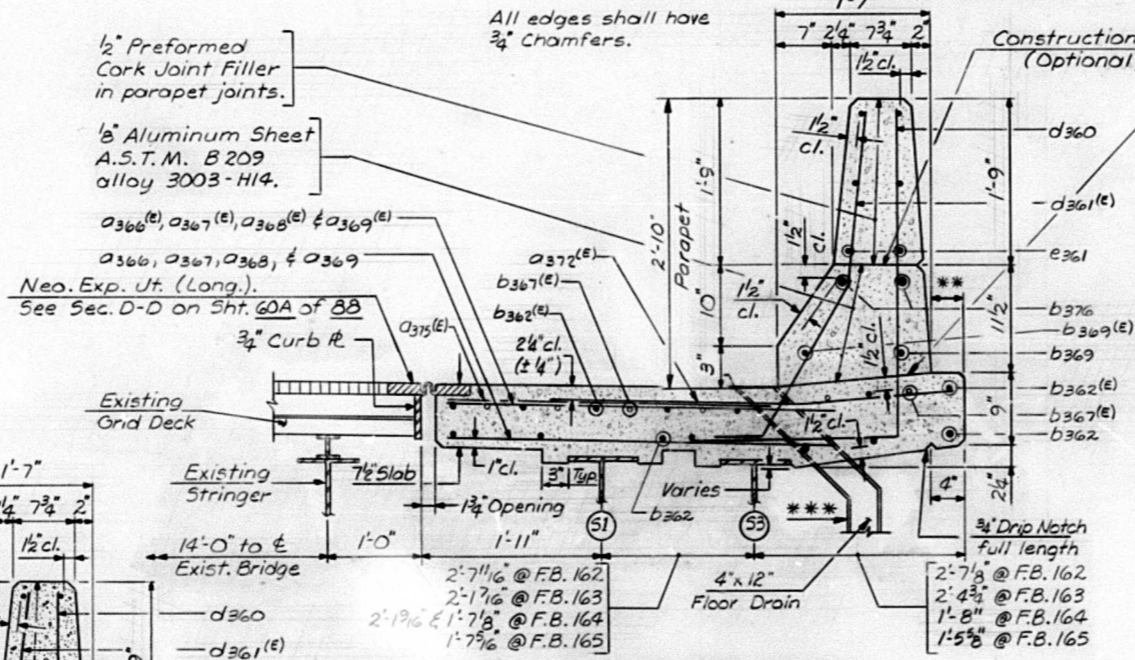
740211
5-22-80



Reinforcement bars shown for span 8E are listed on sheets 61A & 61B of 88.

SECTION L-L

(From Sheets 59A, 65A & 66A of 88).



SECTION THRU SLAB (BETWEEN FLOOR BEAMS 161 & 166)

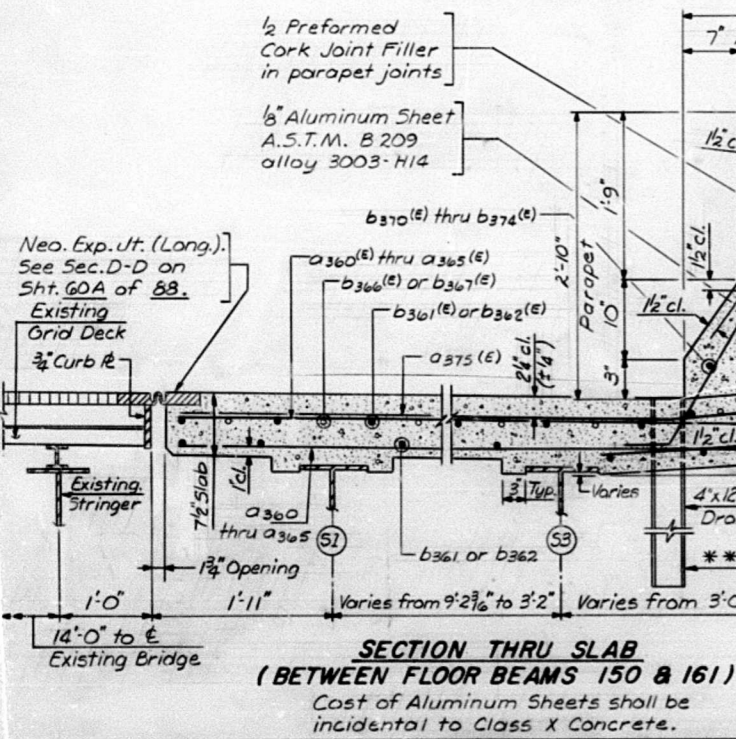
* = Varies - See Dimension "b" in Table of Slab Dimensions on Sht. 65A of 88.
 ** = Varies - See Dimension "c" in Table of Slab Dimensions on Sht. 65A of 88.
 *** = All Floor Drains in Spans 9E & 10E shall be 16'-4" long and shall be located clear of all diaphragms, floor beams, & lateral bracing. See Sht. 3 & 60A of 88 for additional details of Floor Drains.

BILL OF MATERIAL (CONT'D)
RAMP E - SPANS 9E & 10E

Item	Quantity	Unit	Value
Class X Concrete	120.3	Cu. Yds.	120.3
Reinforcement Bars	19,720	Lbs.	19,720
Reinforcement Bars (Epoxy Coated)	23,770	Lbs.	23,770
Preformed Joint Seal (2 1/2")	4.0	Lin. Ft.	4.0
Neo. Exp. Ut. (Long.)	465.6	Lin. Ft.	465.6
4" x 12" Floor Drains	27	Each	27
Bituminous Concrete Surface Removal	18.5	Sq. Yds.	18.5
Altered Rail Removal	469.3	Lin. Ft.	469.3
Steel Railing	52.0	Lin. Ft.	52.0
Stud Shear Connectors	1,350	Each	1,350
Curb Plate Removal	467.3	Lin. Ft.	467.3
High Strength Bolt Tightening	1	Lump Sum	1
Protective Coat	434.8	Sq. Yds.	434.8

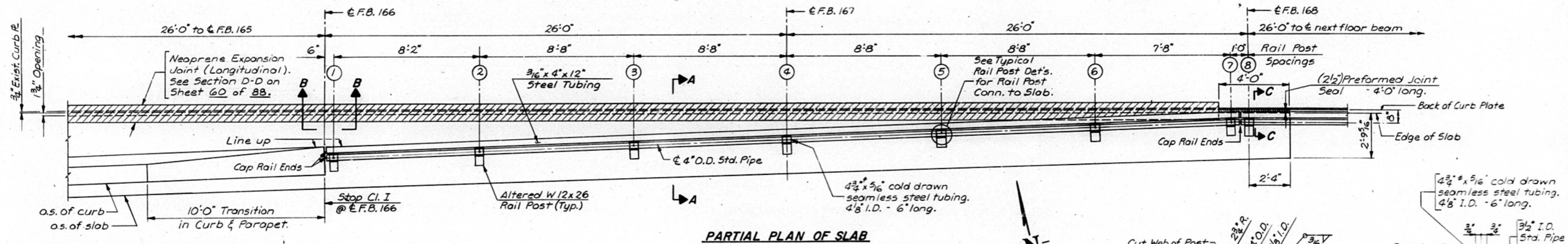
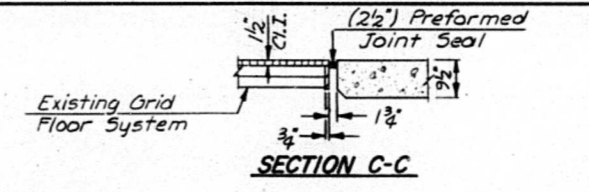
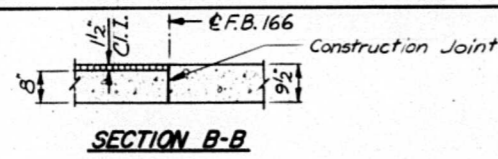
BILL OF MATERIAL
RAMP E - SPANS 9E & 10E

BAR NO.	BAR NO.	SIZE	LENGTH	SHAPE
a360(e)	a360	#6	12'-3"	—
a361(e)	a361	#6	11'-2"	—
a362(e)	a362	#6	10'-1"	—
a363(e)	a363	#6	8'-11"	—
a364(e)	a364	#6	7'-4"	—
a365(e)	a365	#6	6'-10"	—
a366(e)	a366	#6	5'-10"	—
a367(e)	a367	#6	4'-1"	—
a368(e)	a368	#6	3'-2"	—
a369(e)	a369	#6	3'-2"	—
a370(e)	a370	#6	2'-11"	—
a371(e)	a371	#6	2'-11"	—
a372(e)	a372	#6	2'-2"	—
a373(e)	a373	#6	2'-2"	—
a374(e)	a374	#6	4'-0"	—
a375(e)	a375	#2	5'-1"	—
a376(e)	a376	#6	3'-9"	—
a377(e)	a377	#6	3'-11"	—
b361(e)	b361	#5	29'-11"	—
b362(e)	b362	#5	27'-8"	—
b363(e)	b363	#5	27'-8"	—
b364(e)	b364	#6	27'-8"	—
b365(e)	b365	#6	27'-8"	—
b366(e)	b366	#6	13'-0"	—
b367(e)	b367	#5	9'-8"	—
b368(e)	b368	#5	26'-6"	—
b369(e)	b369	#5	20'-6"	—
b370(e)	b370	#5	16'-7"	—
b371(e)	b371	#5	21'-8"	—
b372(e)	b372	#5	28'-9"	—
b373(e)	b373	#5	2'-2"	—
b374(e)	b374	#5	9'-8"	—
b375(e)	b375	#8	34'-0"	—
b376(e)	b376	#8	21'-7"	—
b377(e)	b377	#8	31'-8"	—
b378(e)	b378	#8	22'-7"	—
b379(e)	b379	#8	35'-8"	—
b380(e)	b380	#8	2'-2"	—
b381(e)	b381	#4	5'-4"	L
b382(e)	b382	#5	3'-11"	L
b383(e)	b383	#6	4'-8"	L
b384(e)	b384	#6	8'-11"	L
b385(e)	b385	#4	9'-8"	—
b386(e)	b386	#4	17'-8"	—
b387(e)	b387	#4	19'-8"	—
b388(e)	b388	#4	15'-8"	—
b389(e)	b389	#4	13'-8"	—
b390(e)	b390	#4	16'-1"	—
b391(e)	b391	#4	2'-2"	—
b392(e)	b392	#6	4'-11"	C

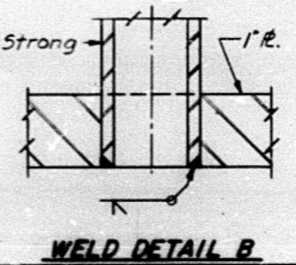
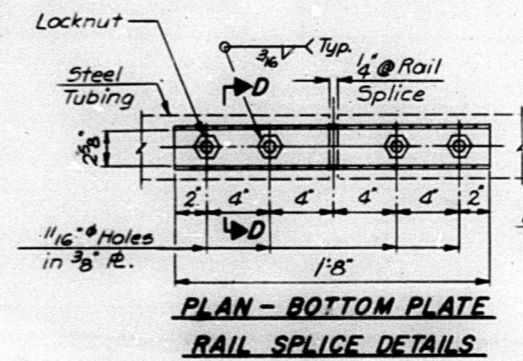
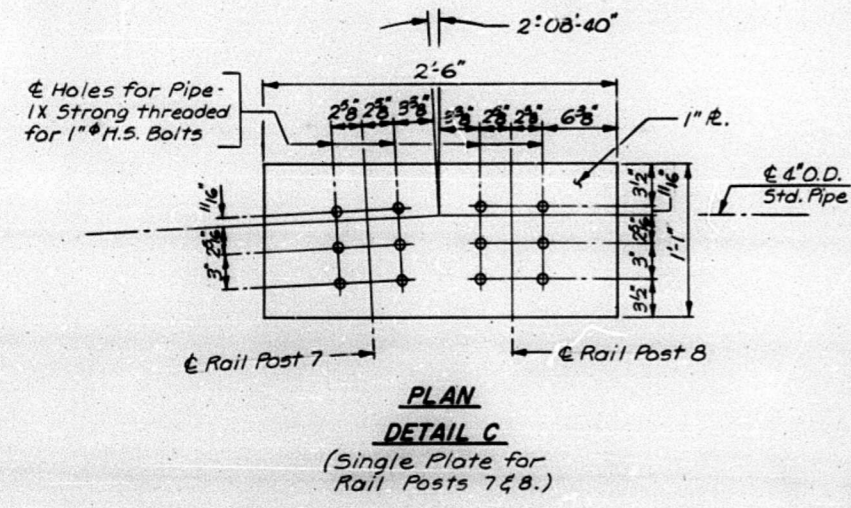
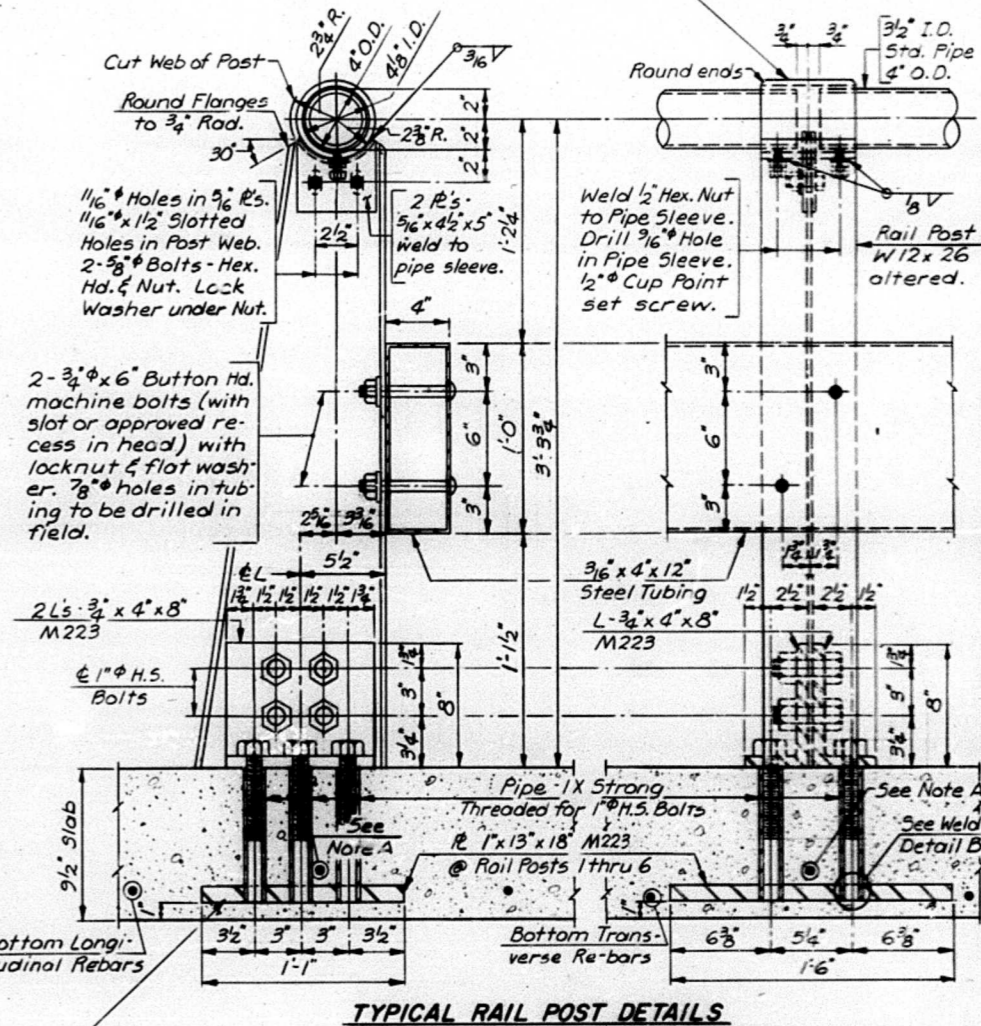
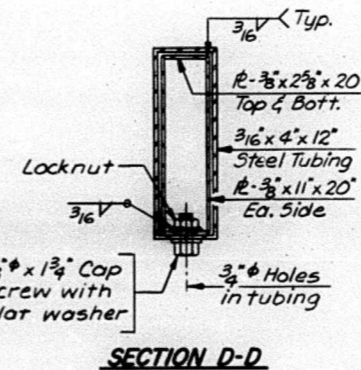
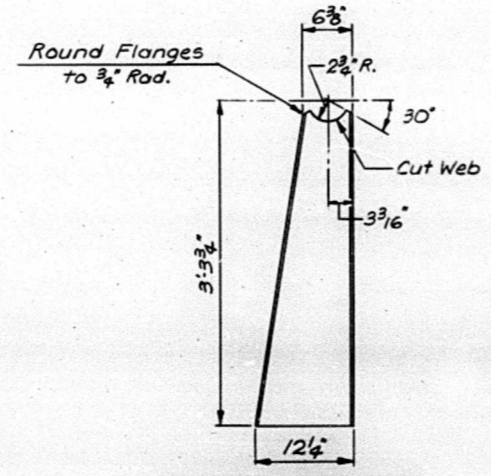
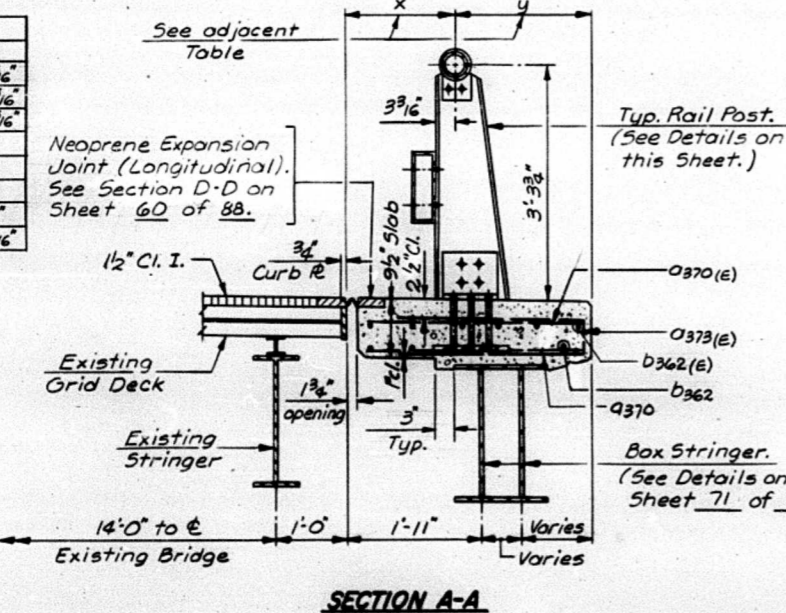


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 49	(15B-11)-D	Peoria & Tazewell	97	72
ILLINOIS PROJECT			Sheet 68 of 88	



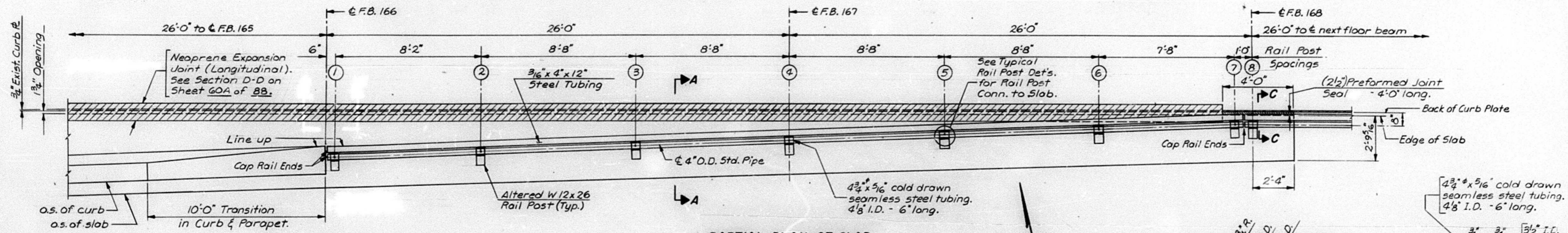
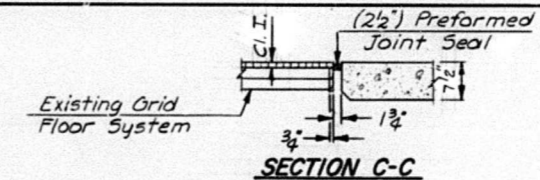
Rail Post No.	Dimensions
1	2'-7 1/8" x 1'-7 1/8"
2	2'-3 3/8" x 1'-8 1/8"
3	1'-11 9/16" x 1'-9 1/16"
4	1'-7 5/8" x 1'-11"
5	1'-3 3/8" x 2'-0"
6	0'-11 7/8" x 2'-1"
7	0'-8 3/16" x 2'-1 7/8"
8	0'-8 3/16" x 2'-1 13/16"



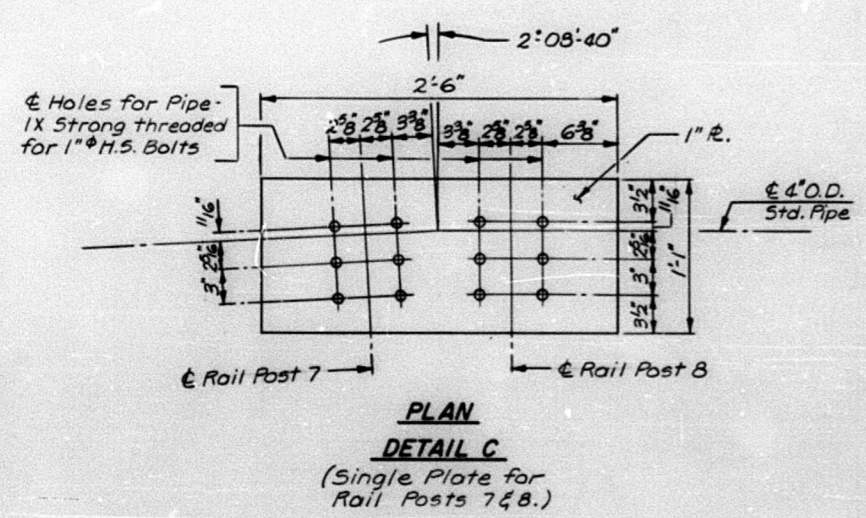
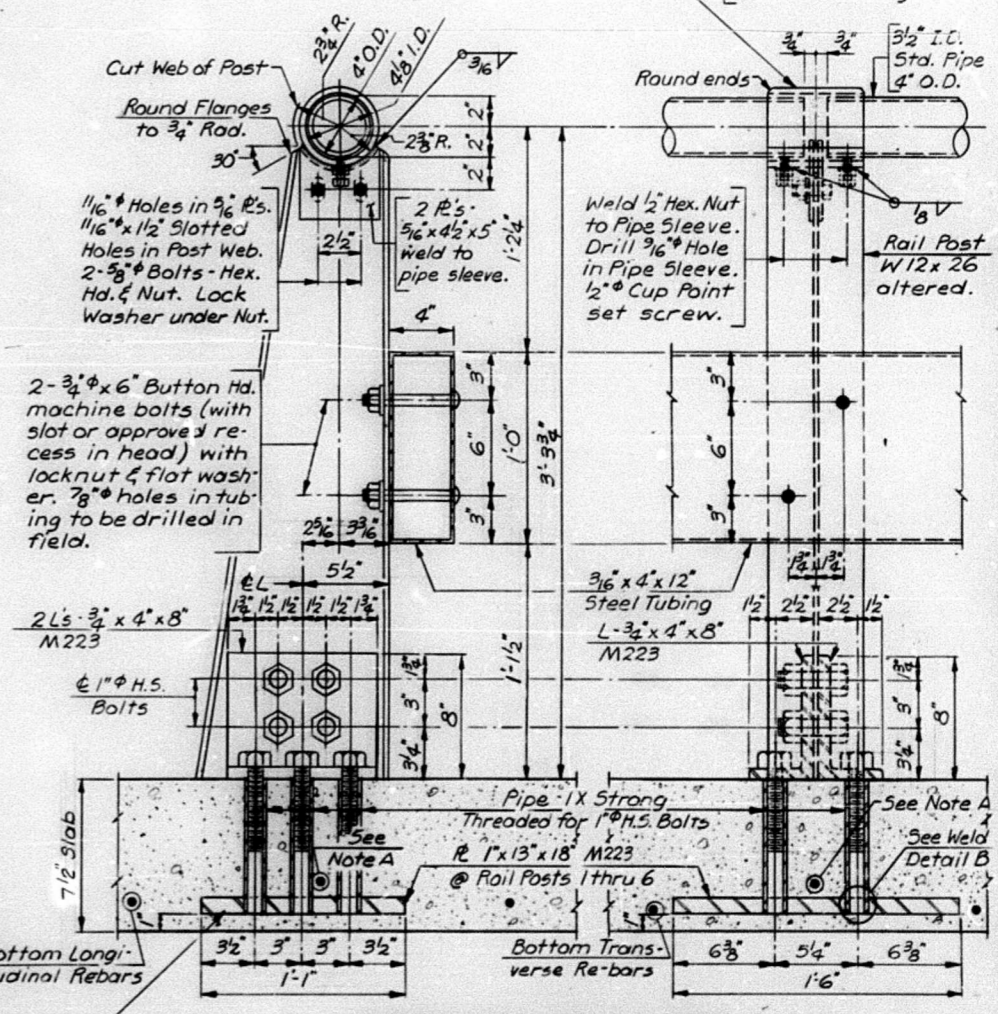
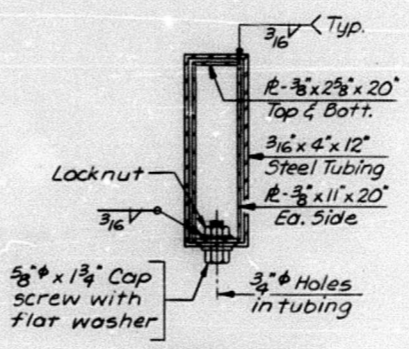
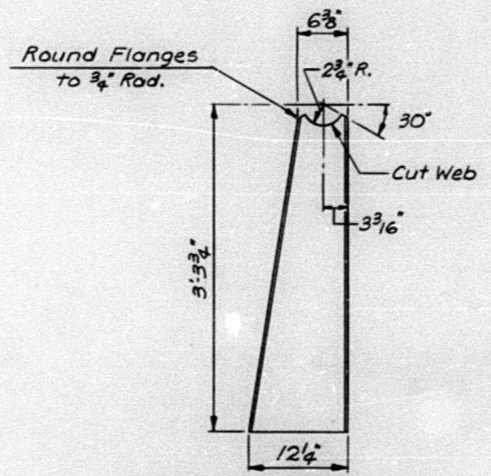
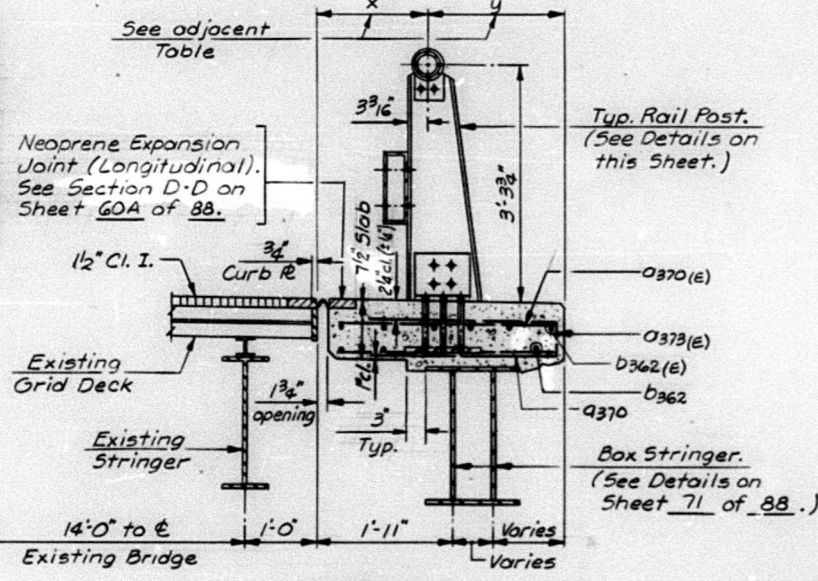
Notes:
All dimensions shown are measured horizontally.
Note A: Bottom Longitudinal & Transverse Reinforcement Bars that fall in line with 1'x13'x18" Plates shall be placed over the plates.
Pipes -1X Strong shall be plugged during pouring of concrete. Upper end plugs shall be temporary & lower end plugs may be permanent.
Hollow structural steel tubing shall conform to the requirements of A.S.T.M. A-500 Grade B Structural Steel Tubing.
All other steel shapes & plates shall conform to the requirements of AASHTO M-183 unless otherwise noted.
Provide one 1/8" and one 1/4" shim plate 6 1/2" x 12", per post, to align rail box section.
See General Note 7 on Sheet 1 of 88 for Painting.
Bolts, cap screws, and nuts shall conform to the requirements of ASTM A-307 except for high strength bolts, nuts & washers noted which shall conform to AASHTO M-164.
Railing shall be in accordance with Sec. 508 of the Std. Spec., except as noted, & paid for at the contract unit price per Lin. Ft. for Steel Railing.
Railing shall be adjusted to true vertical and horizontal alignment after erection.
Cap all rail ends as noted.

SUPERSTRUCTURE DETAILS
RAMP E - SPANS 9E & 10E
M^o CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. 115B-11-D
PEORIA & TAZEWELL COUNTIES

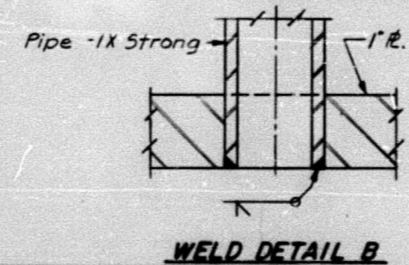
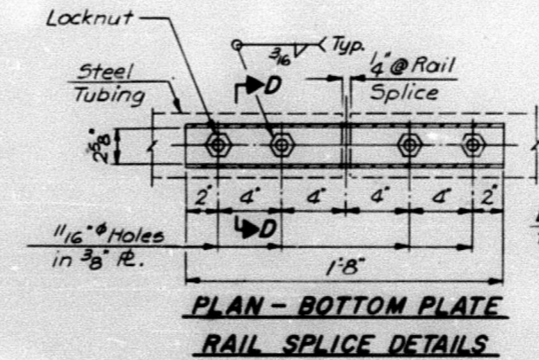
DESIGNED BY S.C.O.	HANSON ENGINEERS INCORPORATED SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS	FILE NO. 74001
CHECKED BY C.R.N.		DATE 8-22-80
DESIGNED BY D.A.M.		
CHECKED BY C.R.N.		



Rail Post No.	Dimensions	x	y
1	2'-7 1/8"	1'-7 1/16"	
2	2'-3 3/8"	1'-8 1/16"	
3	1'-11 3/8"	1'-9 1/16"	
4	1'-7 3/8"	1'-11"	
5	1'-3 3/8"	2'-0"	
6	0'-11 3/8"	2'-1"	
7	0'-8 3/8"	2'-7 3/8"	
8	0'-8 3/8"	2'-1 1/16"	

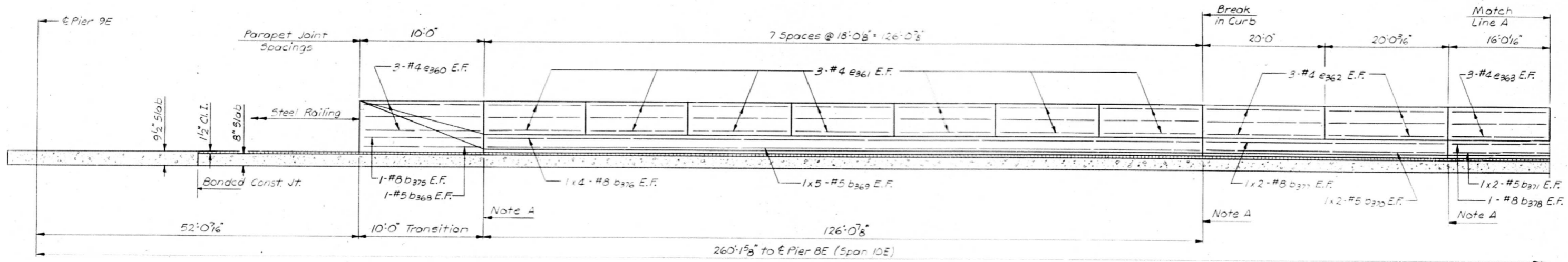


Notes:
All dimensions shown are measured horizontally.
Note A: Bottom Longitudinal & Transverse Reinforcement Bars that fall in line with 1"x13"x18" Plates shall be placed over the plates.
Pipes - 1X Strong shall be plugged during pouring of concrete. Upper end plugs shall be temporary & lower end plugs may be permanent. Hollow structural steel tubing shall conform to the requirements of A.S.T.M. A-500 Grade B Structural Steel Tubing.
All other steel shapes & plates shall conform to the requirements of AASHTO M-183 unless otherwise noted.
Provide one 1/8" and one 1/4" shim plate 6 1/2" x 12", per post, to align rail box section.
See General Note 7 on Sheet 1 of 88 for Painting. Bolts, cap screws, and nuts shall conform to the requirements of ASTM A-307 except for high strength bolts, nuts & washers noted which shall conform to AASHTO M-164.
Railing shall be in accordance with Sec. 508 of the Std. Spec., except as noted, & paid for at the contract unit price per Lin. Ft. for Steel Railing. Railing shall be adjusted to true vertical and horizontal alignment after erection.
Cap all rail ends as noted.

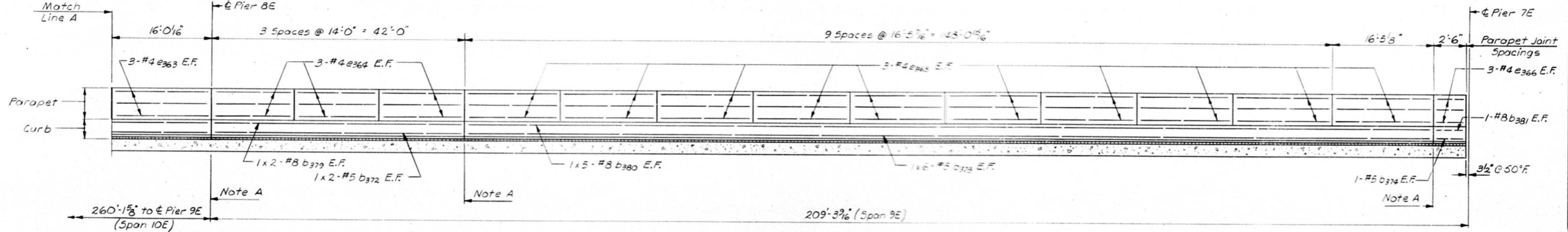


SUPERSTRUCTURE DETAILS
RAMP E - SPANS 9E & 10E
M^o CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

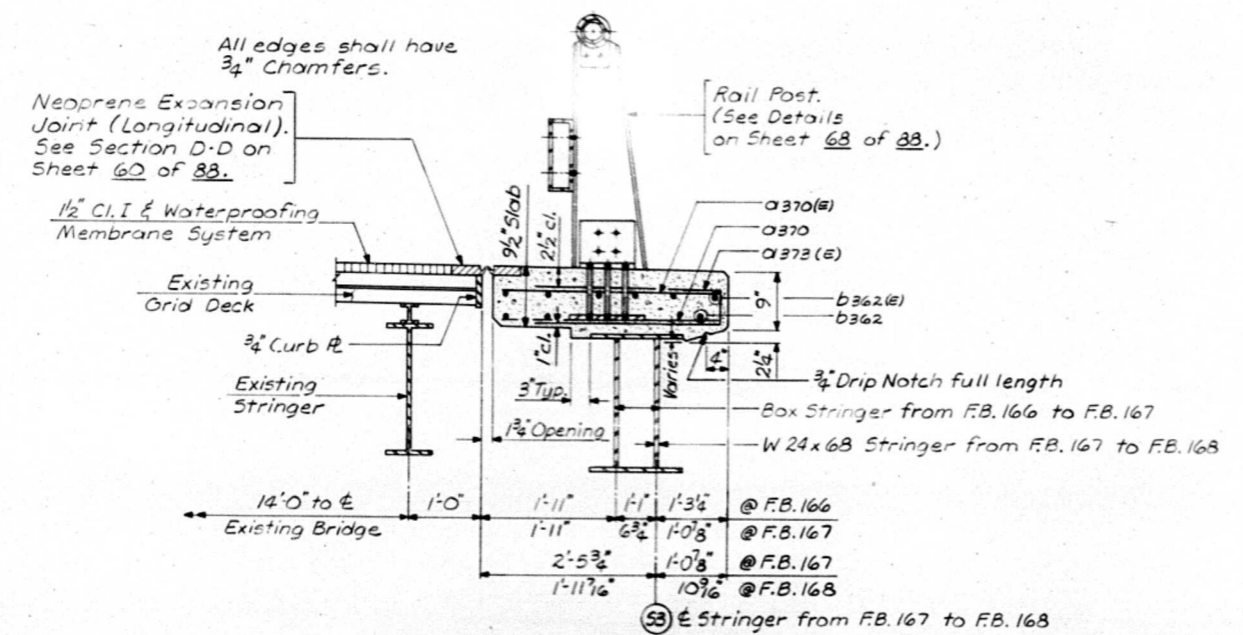
DESIGNED BY S.C.O.		PROJECT NO. 74001
CHECKED BY CRN		DATE 8-22-80
DESIGNED BY D.A.N.		
CHECKED BY CRN		



INSIDE ELEVATION OF CURB & PARAPET (SPAN IOE)



INSIDE ELEVATION OF CURB & PARAPET (SPAN 9E)



SECTION THRU SLAB (BETWEEN FLOOR BEAMS 166 & 168)

Bar Size	Minimum Lap Distance
#4	1'-4"
#5	1'-8"
#6	2'-0"
#8	3'-6"

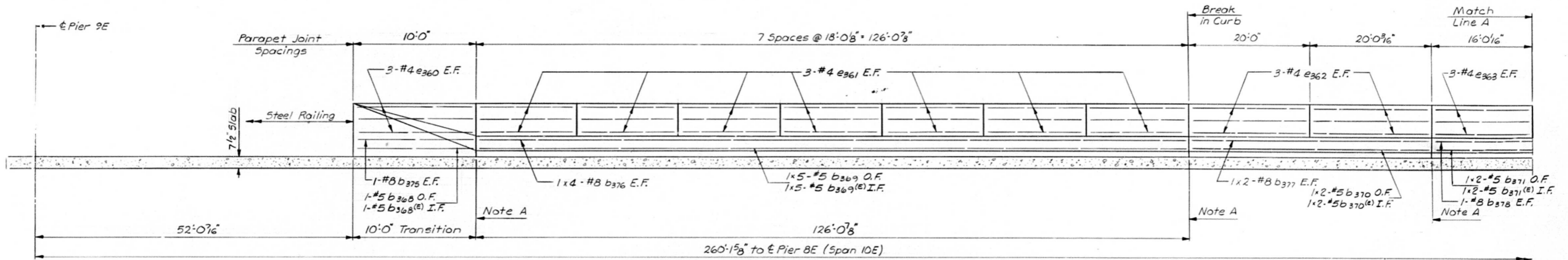
Notes:
 Note A - Aluminum Sheeted Construction Joints in Curb to Top of Slab.
 All dimensions shown in Elevation are measured along the outside edge of the curb.
 For Bill of Material & Bar Shapes see Sheet 67 of 88.
 For Section thru Slab @ Pier 7E (Section L-L) see Sheet 67 of 88.
 For Parapet Joint Details see Sheet 3 of 88.
 For Section thru Curb & Parapet see Sheet 67 of 88.
 For Details of Transition @ Curb & Parapet see Sheet 65 of 88.
 Bend Reinforcement Bars in field to fit Transition @ Curb & Parapet.
 All dimensions shown are measured horizontally.

CURB & PARAPET DETAILS RAMP E - SPANS 9E & IOE

M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

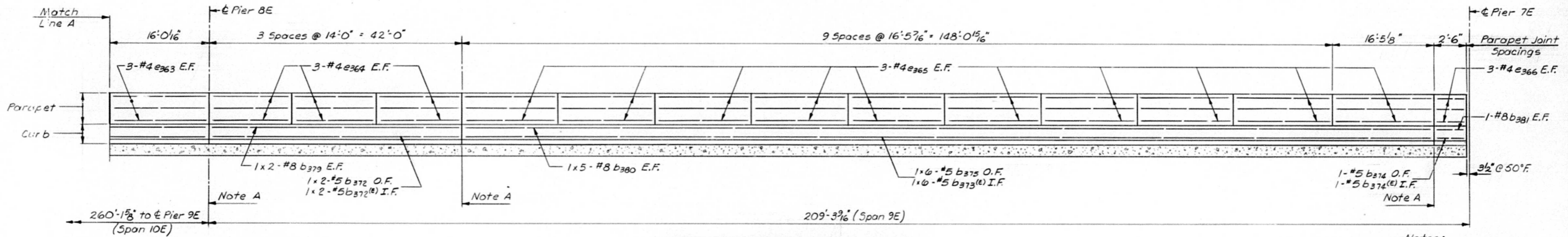
DESIGNED: S.C.O.		FILE NO.
CHECKED: CRN		74001
DRAWN: D.A.N.		DATE
CHECKED: CRN		8-22-80

SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS



**INSIDE ELEVATION OF CURB & PARAPET
(SPAN 10E)**

O.F. - Outside Face
I.F. - Inside Face
E.F. - Each Face

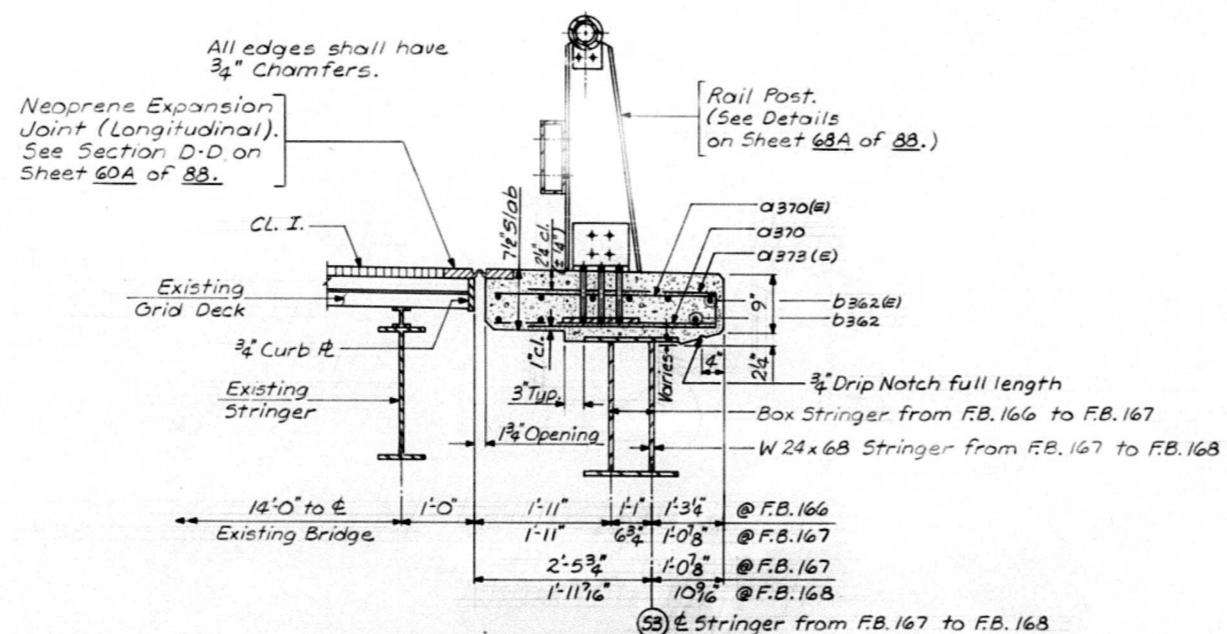


**INSIDE ELEVATION OF CURB & PARAPET
(SPAN 9E)**

Notes:

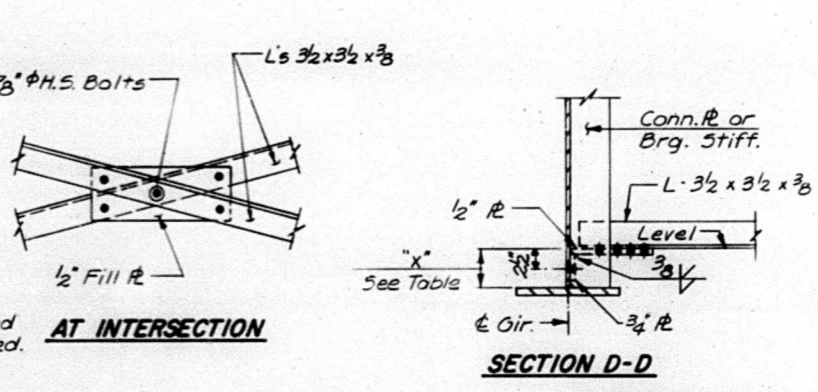
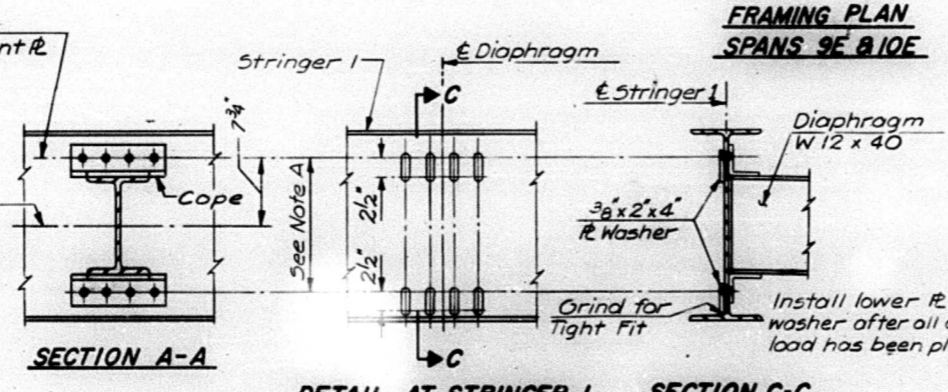
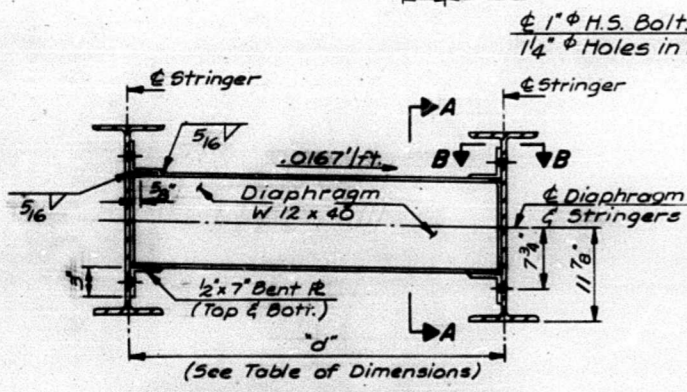
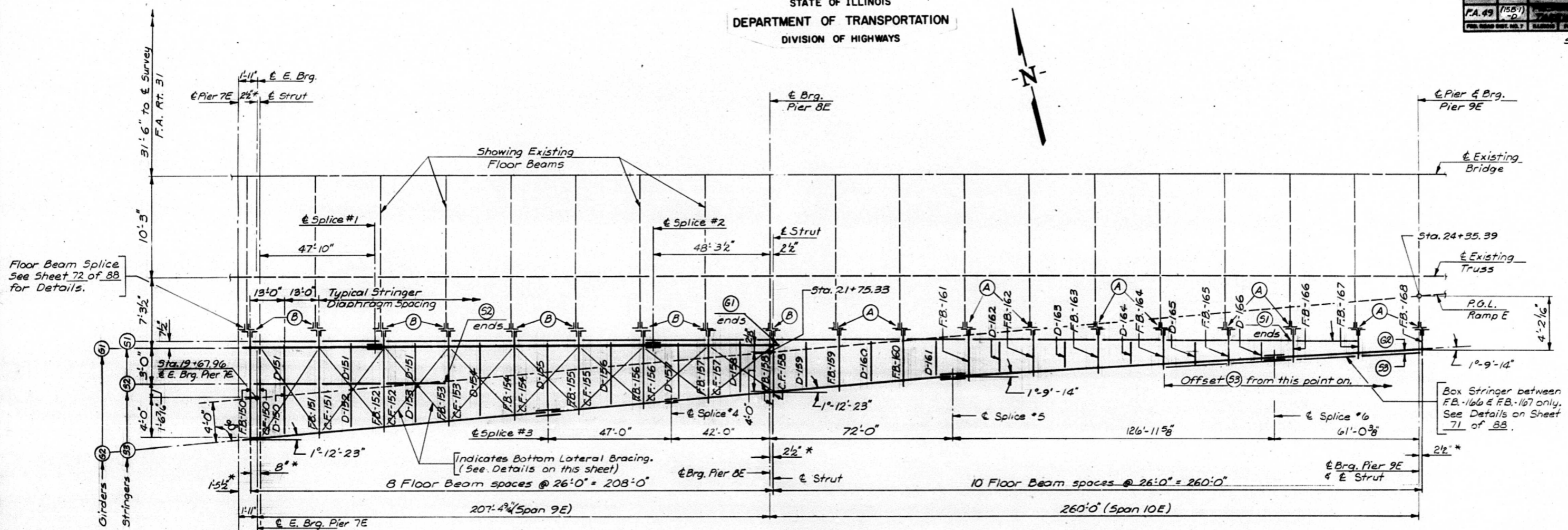
Note A - Aluminum Sheeted Construction Joints in Curb to Top of Slab.
All dimensions shown in Elevation are measured along the outside edge of the curb.
For Bill of Material & Bar Shapes see Sheet 67A of 88.
For Section thru Slab @ Pier 7E (Section L-L) see Sheet 67A of 88.
For Parapet Joint Details see Sheet 3 of 88.
For Section thru Curb & Parapet see Sheet 67A of 88.
For Details of Transition @ Curb & Parapet see Sheet 65A of 88.
Bend Reinforcement Bars in field to fit Transition @ Curb & Parapet.
All dimensions shown are measured horizontally.

Bar Size	Minimum Lap Distance
#4	1'-4"
#5	1'-8"
#6	2'-0"
#8	3'-6"



**SECTION THRU SLAB
(BETWEEN FLOOR BEAMS 166 & 168)**

CURB & PARAPET DETAILS RAMP E - SPANS 9E & 10E	
M^c CLUGAGE BRIDGE OVER THE ILLINOIS RIVER	
F.A. ROUTE 49 SEC. (15B-1)-D PEORIA & TAZEWELL COUNTIES	
DESIGNED S.C.O. CHECKED C.R.N. DRAWN D.A.N. CHECKED C.R.N.	 FILE NO. 74001 DATE 8-22-80 SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS



NOTES

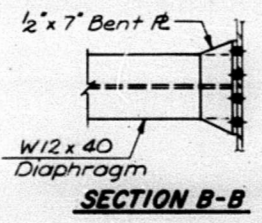
* All Ramp E floor beams (spans 9E & 10E) will initially be offset 2 1/2" East of centerline of existing floor beams. After all dead load has been placed, offset will range from 0" to 6" East of existing floor beams.

All structural steel shall conform to AASHTO M183 unless otherwise noted.

DIAPHRAGMS D-150 THRU D-166

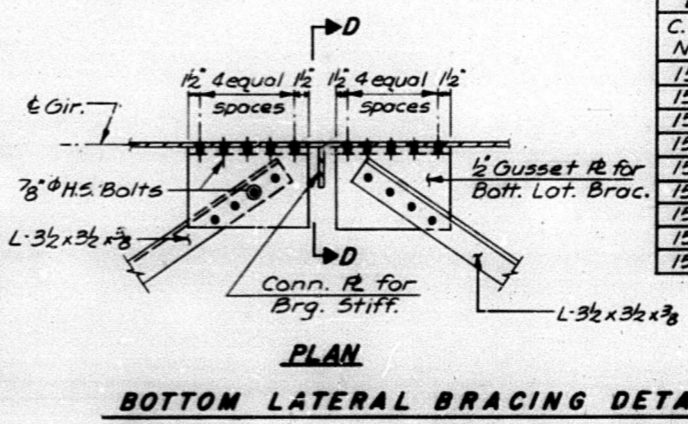
Diaphragm No.	Dimension "d"
D-150	5'-3 7/16"
D-151	3'-7 1/2"
D-152	4'-8 3/8"
D-153	4'-2 5/16"
D-154	7'-3 1/4"
D-155	6'-8 3/8"
D-156	6'-2 1/16"
D-157	5'-7 1/2"
D-158	5'-0 1/16"
D-159	4'-6 3/8"
D-160	3'-11 1/16"
D-161	3'-5 1/4"
D-162	2'-10 3/8"
D-163	2'-8 1/16"
D-164	1'-10 1/16"
D-165	1'-10 1/16"
D-166	1'-4 1/16"

Note: Hardened washers shall be required over 1/4" holes in Bent Plates.



NOTE A

1" H.S. Bolts after all dead load is in place. Use 2 1/2" slotted hole in all stringer I connections. Note that for the installation of diaphragms, the centerline of the 1" H.S. bolts will be near the bottom of the slots. All 1" H.S. bolts used in the stringer I connection should have self-locking nuts. The nuts should be installed onto the bolts but not tightened, so that the stringer may be free to move as additional dead load deflects the girder-stringer system. The nuts should have the self-locking device in use during construction to prevent them from backing off of the bolt. After all dead load has been placed, the nuts on the stringer I connections should then be tightened by the deck contractor.



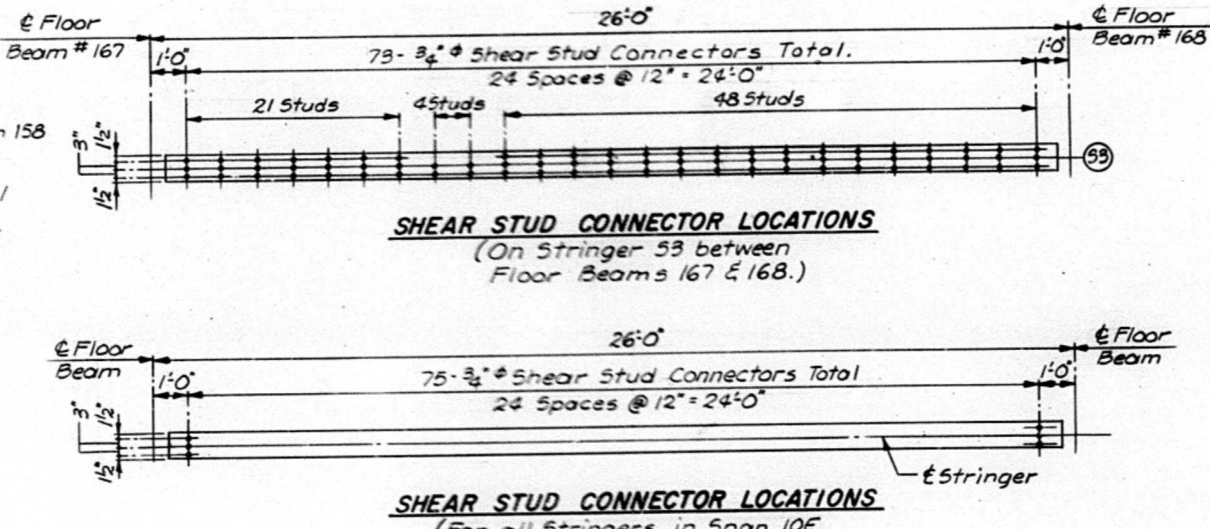
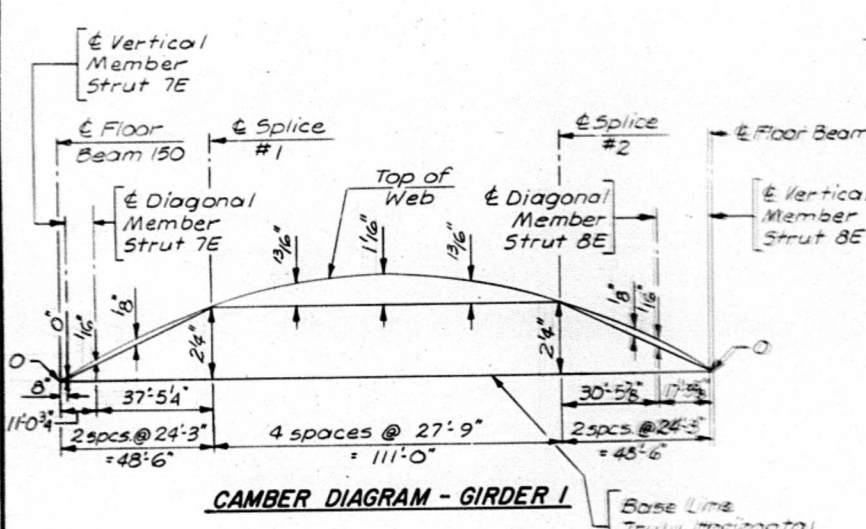
C.F. No.	Gir. 1	Gir. 2
150	5'	6 1/2"
151	5'	6 3/8"
152	5'	6 1/4"
153	5'	6 1/8"
154	5'	6"
155	5'	5 1/2"
156	5'	5 1/4"
157	5'	5 1/8"
158	5'	5 1/16"

All dimensions are measured horizontally and parallel or perpendicular to the centerline of survey unless otherwise shown. All work on this sheet is by others except for Note A.

**STRUCTURAL STEEL PLAN
RAMP E - SPANS 9E & 10E**

**M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER**

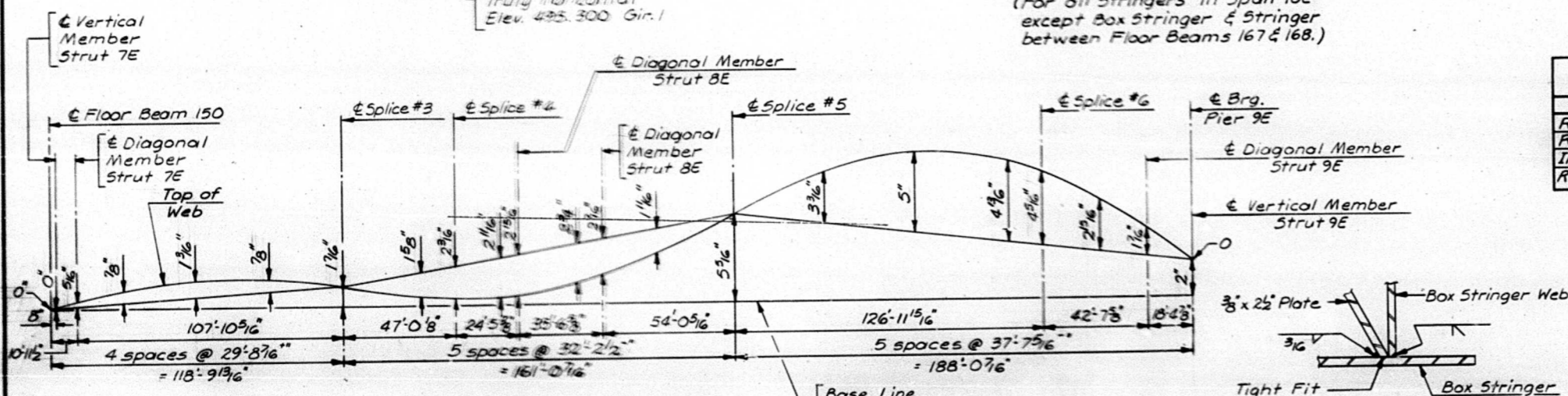
**F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES**



GIRDER MOMENT TABLE

	Girder 1		Girder 2		
	Span 9E	Span 9E	Span 9E	Span 10E	Span 10E
I (in ⁴)	506,657	288,435	457,715	457,715	319,109
Q* (K/1)	1.845	1.538	1.549	1.643	1.527
M _D (ik)	9,219	3,123	8,258	7,687	6,783
M _L (ik)	2,048	1,470	1,337	1,285	1,031
Imp. (ik)	287	206	187	180	145
M _{TOTAL} (ik)	11,554	4,799	9,782	9,152	7,959
f _s (ksi)	19.9	14.4	18.6	17.4	21.5

* Due to varying super width, this figure is only an average of varying dead load.



GIRDER 2 REACTION TABLE

	Pier 7E	Pier 8E	Pier 9E
R _D (K)	105.9	466.1	145.8
R _L (K)	41.8	77.7	14.1
Imp. (K)	5.8	10.9	2.0
R _{TOTAL} (K)	153.5	554.7	161.9

TOP OF WEB ELEVATIONS **

	Girder 1	Girder 2
€ Vertical Member Strut 7E	495.300	495.179
€ Diagonal Member Strut 7E	495.348	495.216
€ Splice #1	495.488	N.A.
€ Splice #3	N.A.	495.299
€ Splice #2	495.488	N.A.
€ Splice #4	N.A.	495.622
€ Diagonal Member Strut 8E	495.374	495.197
€ Vertical Member Strut 8E	495.300	N.A.
€ Diagonal Member Strut 8E	N.A.	495.310
€ Splice #5	N.A.	495.622
€ Splice #6	N.A.	495.795
€ Diagonal Member Strut 9E	N.A.	495.493
€ Vertical Member Strut 9E	N.A.	495.346

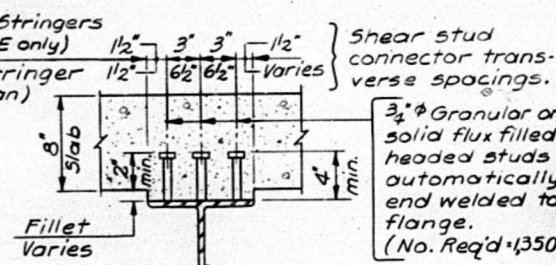
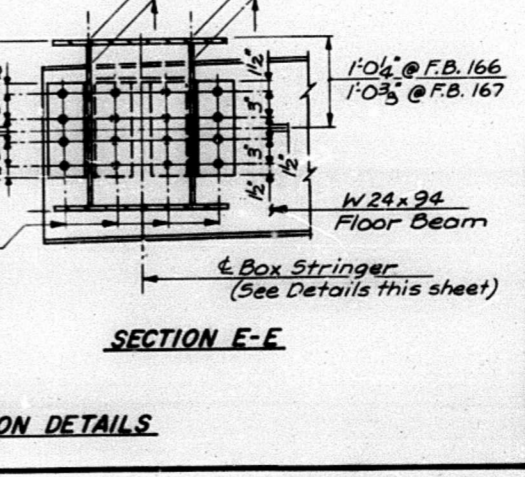
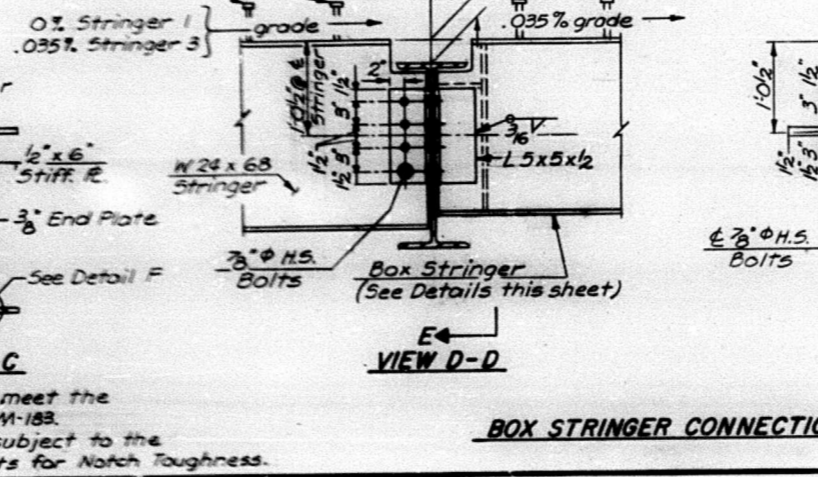
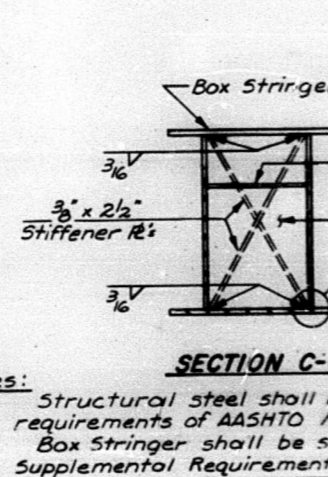
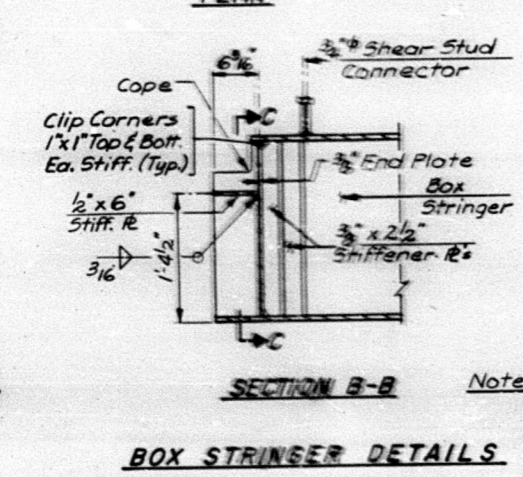
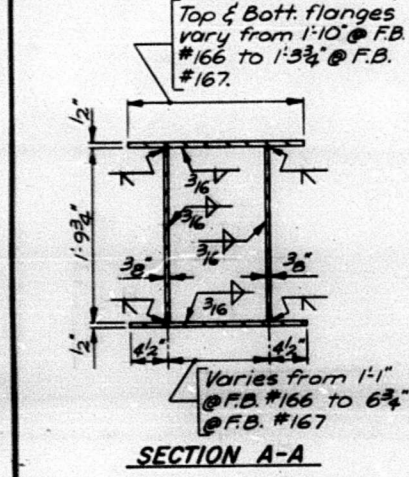
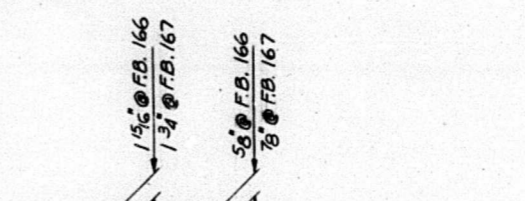
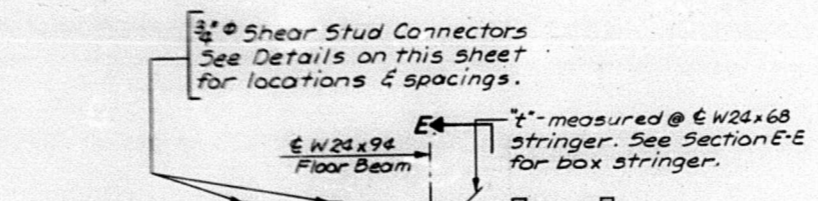
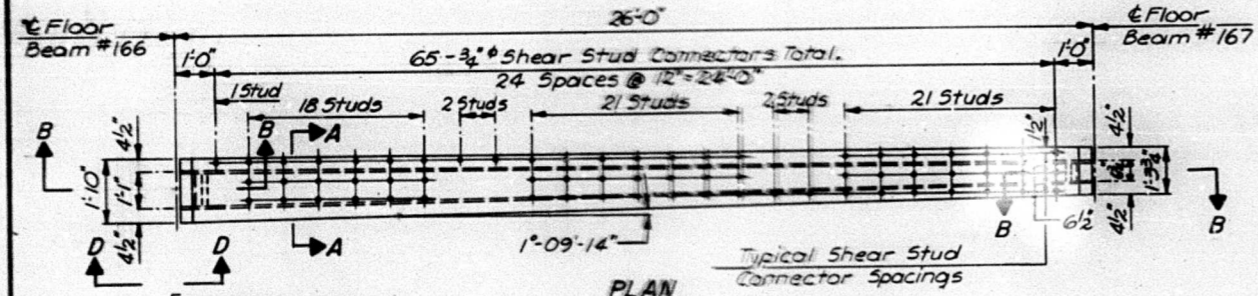
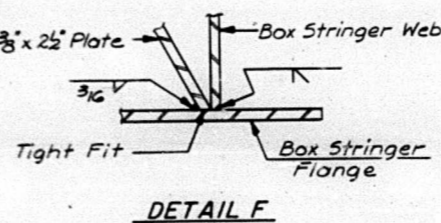
** Elevations include camber for dead load deflections and are for fabrication only. N.A. denotes not applicable.

GIRDER 1 REACTION TABLE

	Pier 7E	Pier 8E
R _D (K)	176.5	189.3
R _L (K)	43.7	41.6
Imp. (K)	6.2	5.8
R _{TOTAL} (K)	226.4	236.7

TABLE OF Y-DIMENSIONS

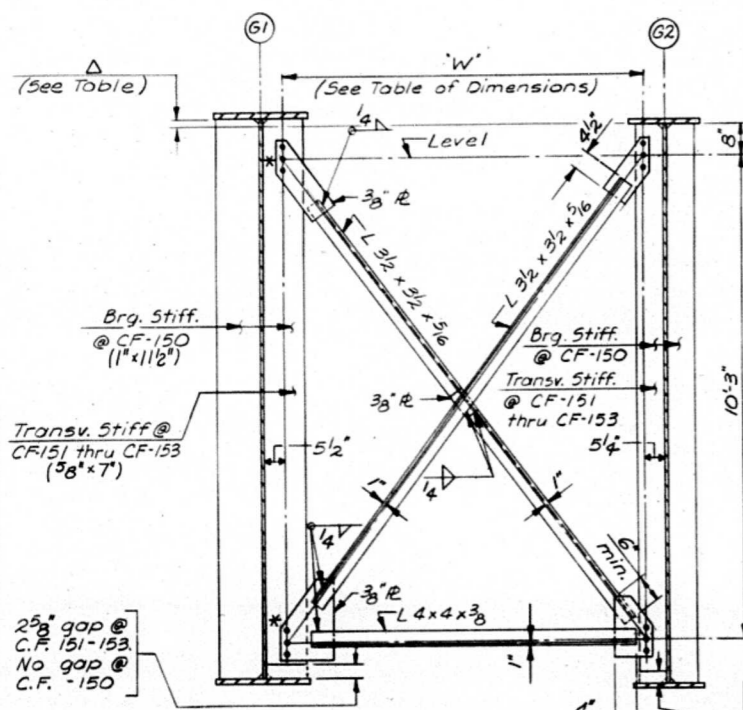
Fl. Bm. No.	Str. 1	Str. 3
166	78"	134"
167	-	134"
168	-	12"



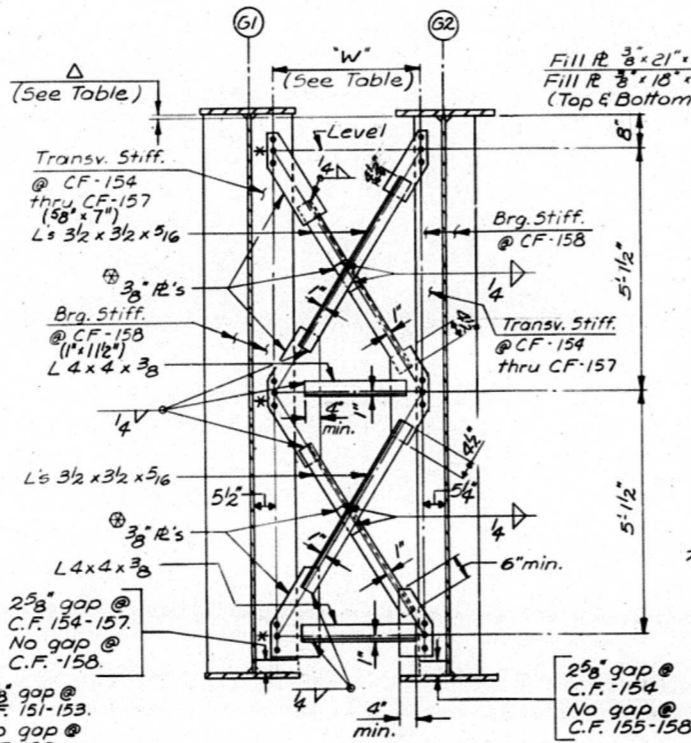
All work on this sheet except Stud Shear Connectors is by others.

STRUCTURAL STEEL DETAILS
RAMP E - SPANS 9E & 10E
M^C CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (158-1)-D
PEORIA & TAZEWELL COUNTIES

Notes:
Structural steel shall meet the requirements of AASHTO M-183.
Box Stringer shall be subject to the Supplemental Requirements for Notch Toughness.



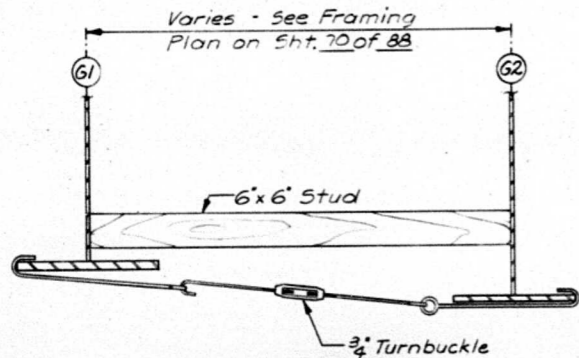
CROSS FRAMES C.F.-150 THRU C.F.-153



CROSS FRAMES C.F.-154 THRU C.F.-158

Note: 1/16" holes in gusset R's for 7/8" H.S. Bolts.

Hardened washers shall be required over holes in gusset R's.



SUGGESTED TEMPORARY GIRDER BRACING DETAIL

Temporary girder bracing shall be used during the construction of Span 9E. As shown in the suggested temporary girder bracing detail, the bottom flange of the girder shall be braced against both inward and outward movements. The temporary bracing shall be installed adjacent to all cross frames at ± 26 ft. intervals and spaced to miss all girder splices and transverse stiffeners. Note that the cross frames shall initially be installed only to girder 2. After all dead load has been placed, the holes in the bearing or transverse stiffeners of girder 1 will match those holes in the gusset plates of the cross frames. The cross frames should then be bolted to girder 1 by the deck contractor. The cost of the temporary girder bracing & installation shall be incidental to the cost of the F&E Contract. Cost of removal is the responsibility of the Deck Contractor & they will be his property.

The 7/8" bolts and hardened washers used in connecting the cross frames to girder 1 shall be supplied by the deck contractor and are incidental to the cost of the Contract.

TABLE OF DIMENSIONS CROSS FRAMES

Cross Frame No.	Dimension "W"	Δ
C.F. 150	7'-7 1/4"	1 1/2"
C.F. 151	7'-0 15/16"	1 3/8"
C.F. 152	6'-6 3/8"	1 1/4"
C.F. 153	5'-11 13/16"	1 1/8"
C.F. 154	5'-5 1/4"	1"
C.F. 155	4'-10 11/16"	1 3/8"
C.F. 156	4'-4 1/8"	1 1/8"
C.F. 157	3'-9 1/2"	1 1/16"
C.F. 158	3'-2 15/16"	3/8"

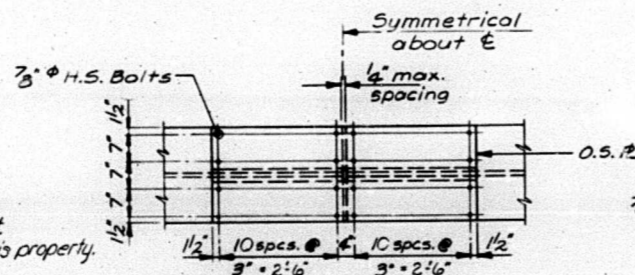
* See note with Suggested Temporary Girder Bracing Detail on this sheet.

3/8" Bent Plate shall be used @ C.F.-158.

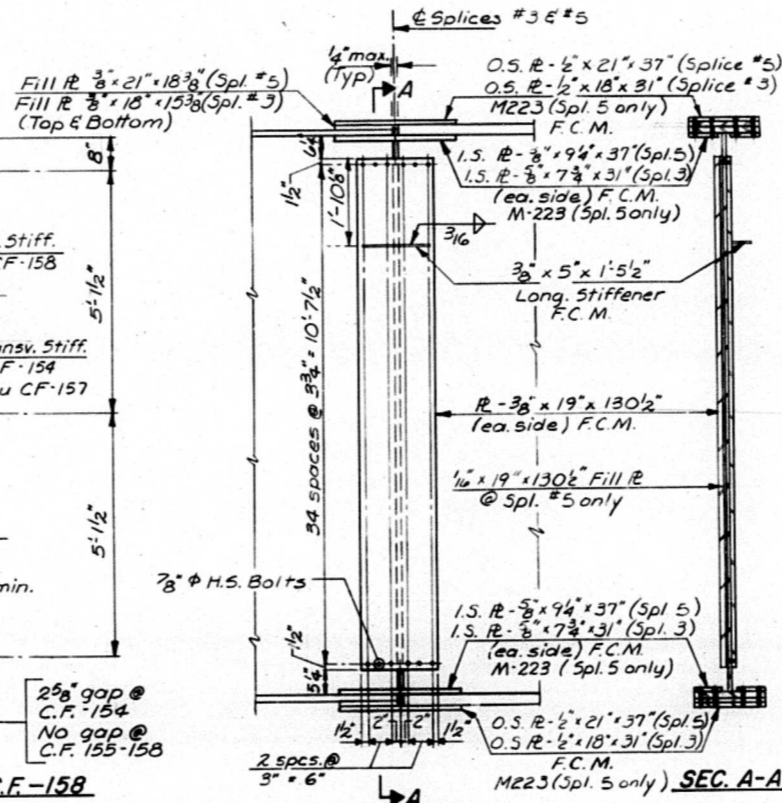
Steel Specifications This Sheet:

All structural steel shall meet the requirements of AASHTO M-183 unless otherwise noted.

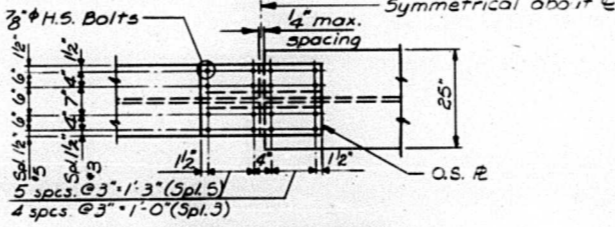
All high strength bolts shall meet the requirements of AASHTO M-164.



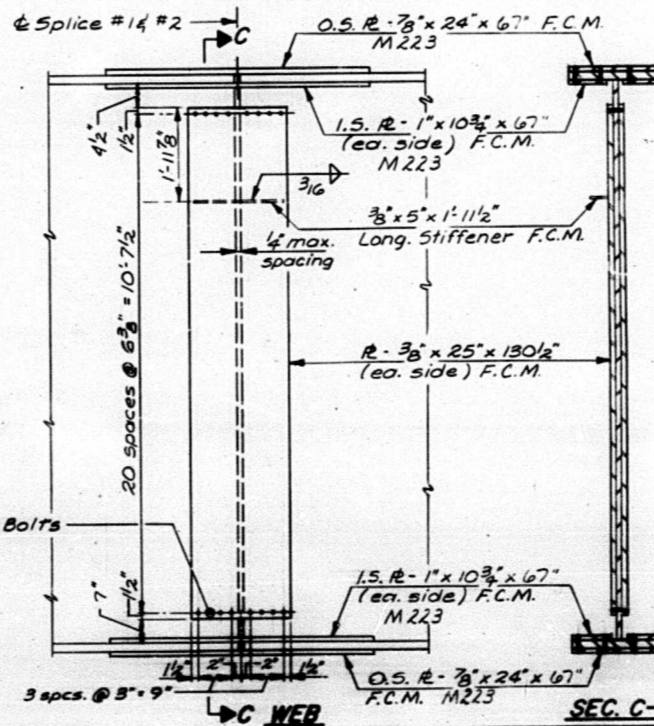
TOP & BOTTOM FLANGES DETAIL OF SPLICES 1 & 2



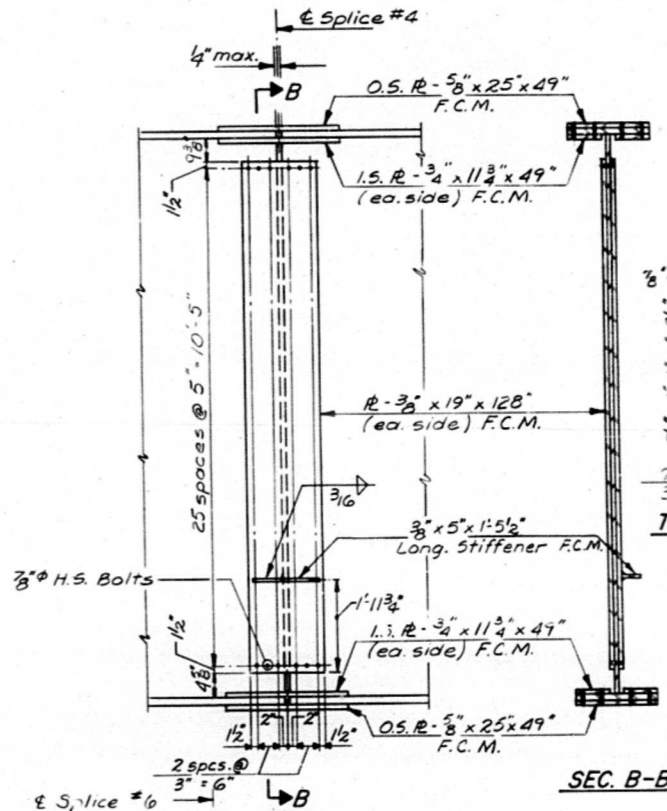
SEC. A-A



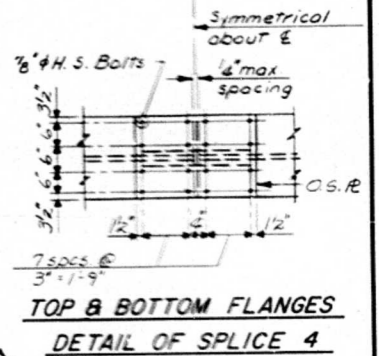
TOP & BOTTOM FLANGES DETAIL OF SPLICES 3 & 5



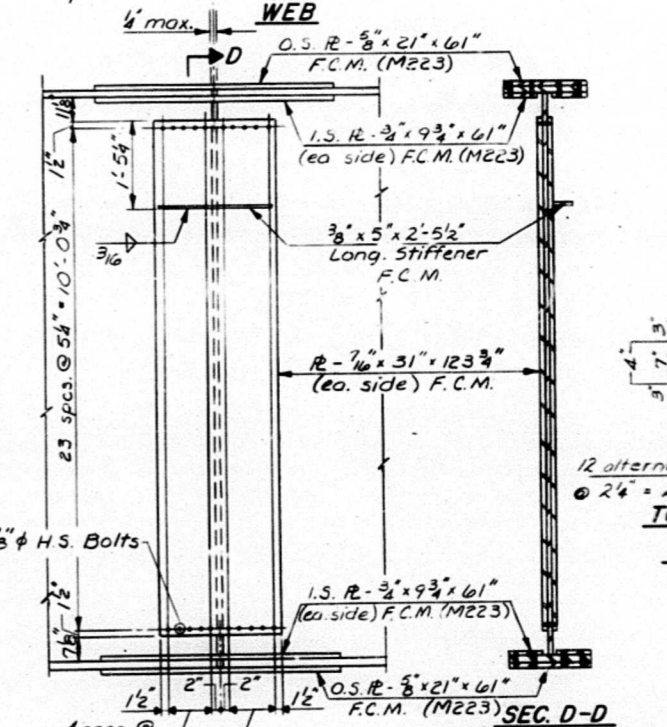
SEC. C-C



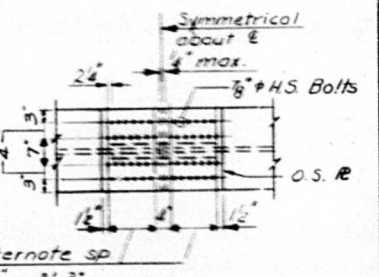
SEC. B-B



TOP & BOTTOM FLANGES DETAIL OF SPLICE 4



SEC. D-D



TOP & BOTTOM FLANGES DETAIL OF SPLICE 6

Note: Bolts shall be incidental to cost of project.

STRUCTURAL STEEL DETAILS
RAMP E - SPANS 9E & 10E

M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (158-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED BY S.C.C.
CHECKED BY R.W.C.
DRAWN BY D.A.M.
CHECKED BY S.C.C.

HANSON ENGINEERS
INCORPORATED
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

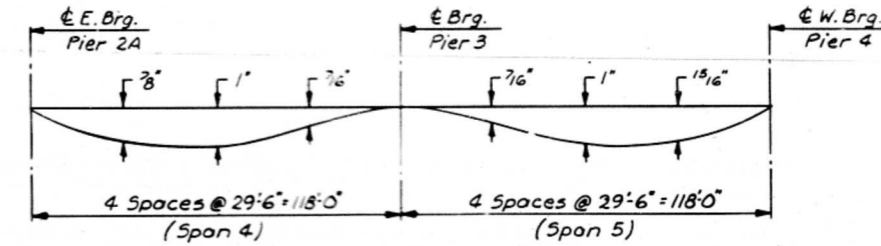
FILE NO. 74001
DATE 8-22-80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA-49	158-1	PEORIA & TAZEWELL	37	73
FILE ROAD DIST. NO. 1		SCALE	SHEET 73 OF 38	

GIRDER 1			GIRDER 2			
	STATION	ELEV. A	ELEV. B	STATION	ELEV. A	ELEV. B
East Bearing Pier 2A	199+48.000	502.523	502.523	199+48.000	502.713	502.713
a	199+58.000	502.481	502.501	199+58.000	502.713	502.742
b	199+68.000	502.441	502.477	199+68.000	502.711	502.765
c	199+78.000	502.375	502.423	199+78.000	502.635	502.708
d	199+88.000	502.284	502.339	199+88.000	502.512	502.597
e	199+98.000	502.192	502.248	199+98.000	502.386	502.473
f	200+08.000	502.085	502.137	200+08.000	502.254	502.336
g	200+18.000	501.957	501.999	200+18.000	502.090	502.160
h	200+28.000	501.828	501.858	200+28.000	501.913	501.965
i	200+38.000	501.658	501.674	200+38.000	501.635	501.667
j	200+48.000	501.457	501.462	200+48.000	501.288	501.302
k	200+58.000	501.193	501.193	200+58.000	501.961	500.964
Bearing Pier 3	200+66.000	500.806	500.806	200+66.000	500.735	500.735
l	200+71.000	500.303	500.303	200+71.000	500.378	500.379

GIRDER 3			
	STATION	ELEV. A	ELEV. B
East Bearing Pier 2A	199+48.000	502.892	502.892
q	199+58.000	502.931	502.960
b	199+68.000	502.965	503.019
c	199+78.000	502.872	502.945
d	199+88.000	502.681	502.766
e	199+98.000	502.489	502.576
f	200+08.000	502.225	502.307
g	200+18.000	501.882	501.952
g1	200+24.500	501.428	501.489



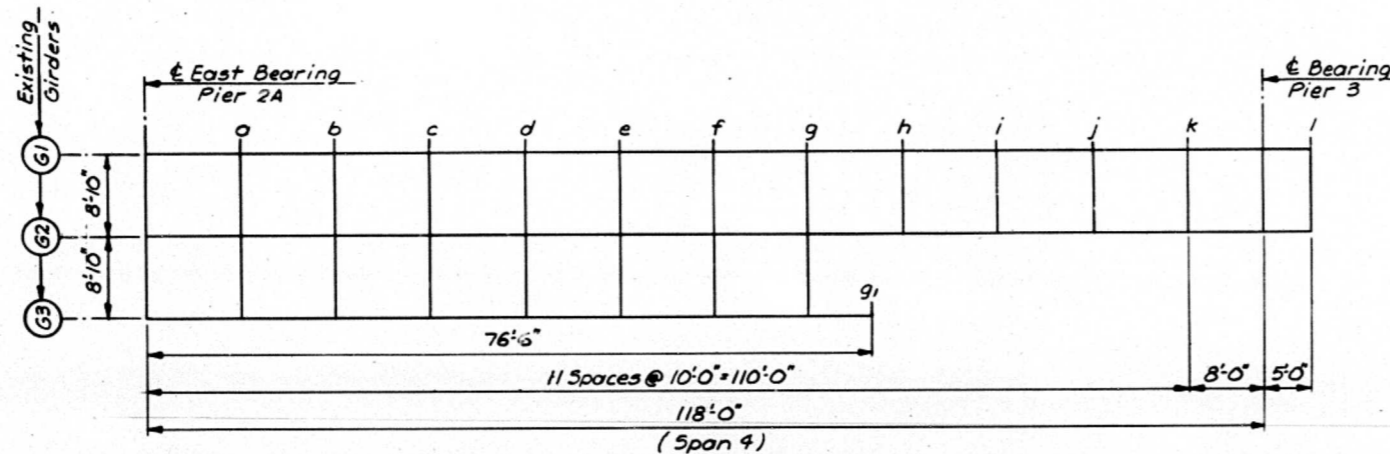
DEAD LOAD DEFLECTION DIAGRAM
(Includes Weight of Concrete Slab & C.I.)

Note: The above deflections are not to be used in the field if the Engineer is working from the Grade Elevations Adjusted for Dead Load Deflections (Elev. B) as shown in table of Top of Concrete Elevations.

Note: Stations used above are existing bridge stations.

TOP OF CONCRETE ELEVATIONS

ELEV A = THEORETICAL GRADE ELEVATIONS
ELEV B = THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION



DIAGRAMMATIC PLAN

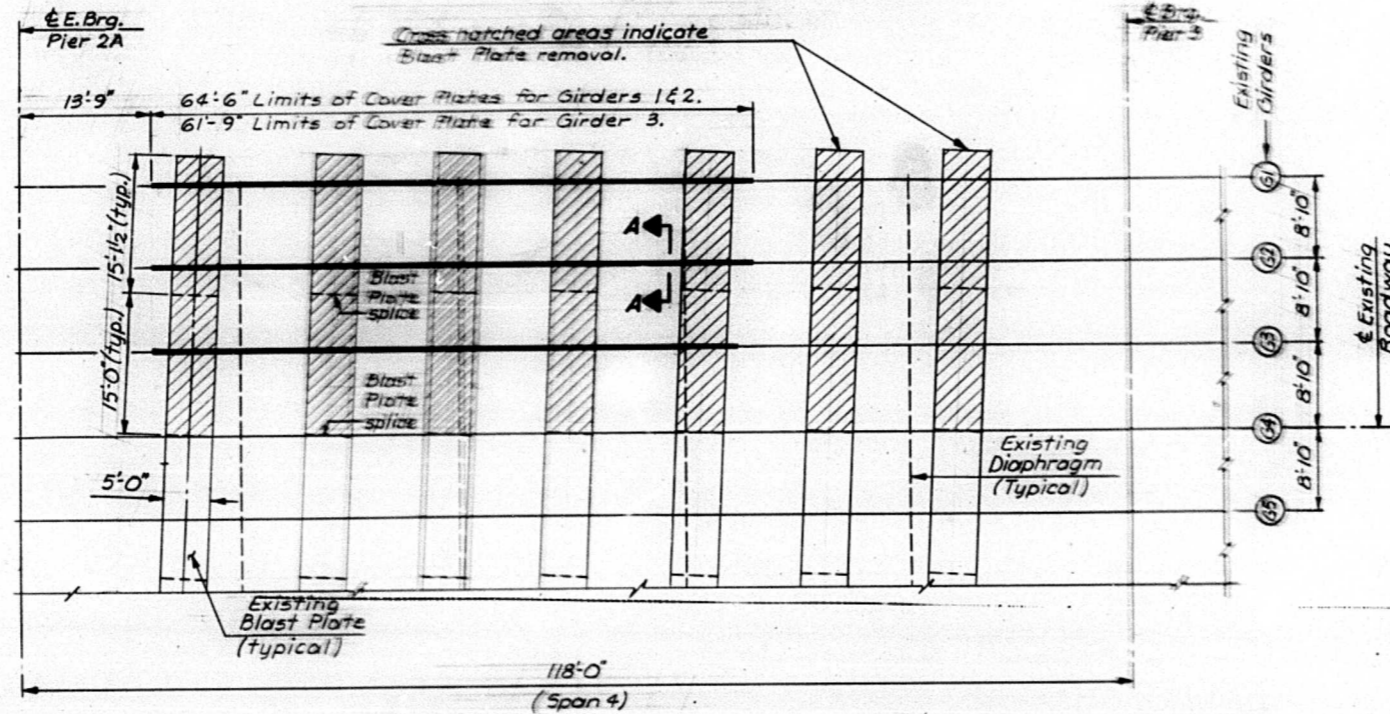
Note: See Sheet 30 for Method of Determining Fillet Heights.

TOP OF SLAB ELEVATIONS EXISTING SPAN 4

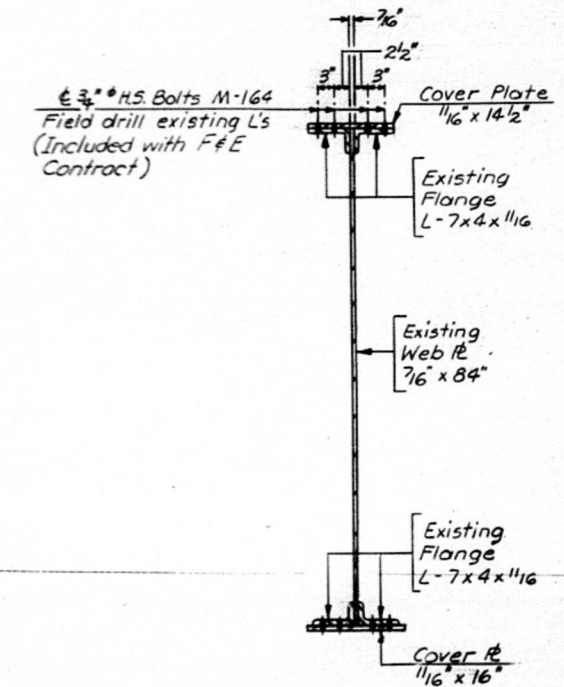
M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. 158-1-0
PEORIA & TAZEWELL COUNTIES

DESIGNED S.C.O.
CHECKED C.R.N.
DRAWN D.A.M.
CHECKED S.C.O.

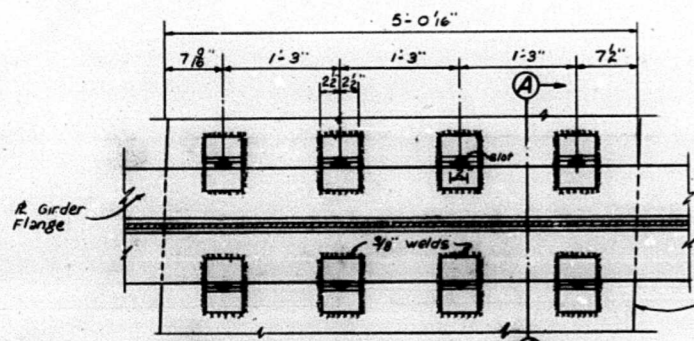
HANSON ENGINEERS
INCORPORATED
74001
DATE 8-22-80
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS



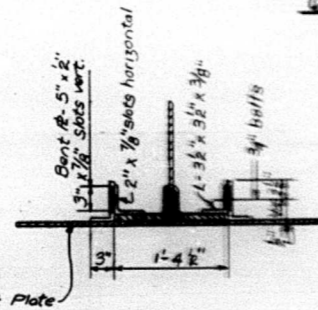
COVER PLATE LAYOUT



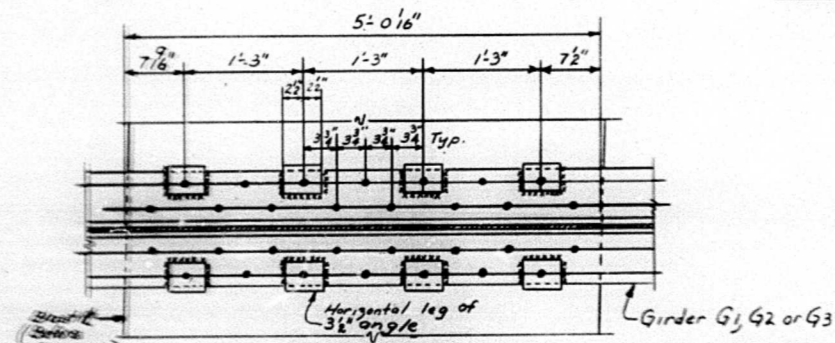
SECTION A-A
TYPICAL - SPAN 4 - GIRDERS 1,2,3



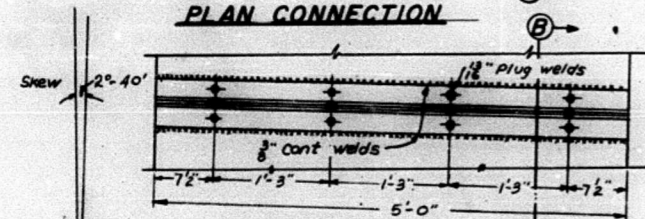
PLAN CONNECTION



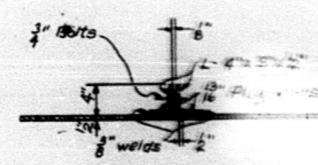
SECTION A-A



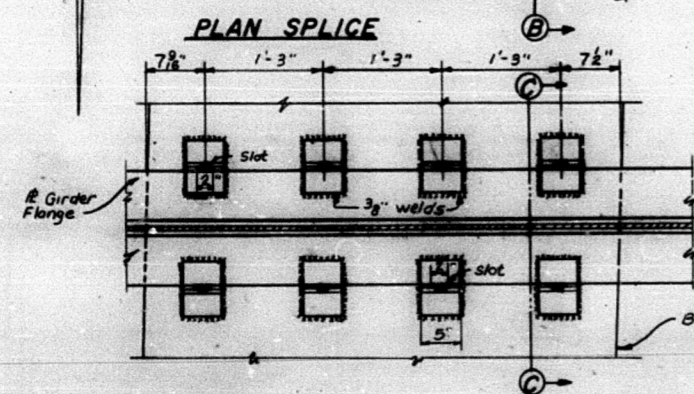
COVER PLATE BOLT PLAN



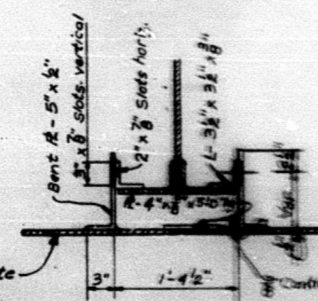
PLAN SPLICE



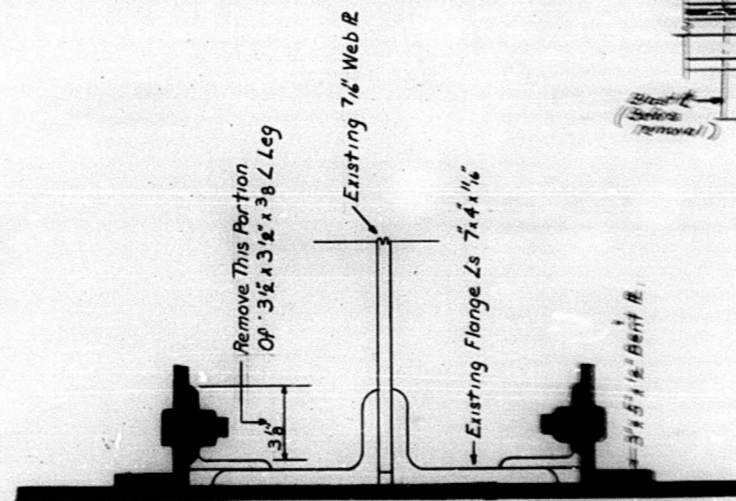
SECTION B-B



PLAN SPLICE



SECTION C-C



BLAST PLATE CONNECTION REMOVAL

Note: Existing 1/2" Blast Pl. Shaded Areas To Be Removed
Removal Of Vertical Leg Of 3 1/2" x 3 1/2" x 3/8" L
Applies Only To Existing Girders G1, G2 & G3
For The Specified Length Of New Cover Plates
Shown On Plans (Number To Be Removed - 120 @ 5" Long)

Note: Calculated weight of Structural Steel = 14,640 Lbs. (M183)

Note: Cover plates shall be made of M183 steel.

STRUCTURAL STEEL DETAILS
EXISTING SPAN 4

M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. 15B-1-D
PEORIA & TAZEWELL COUNTIES

W.D.C.		FILE NO.
S.C.O.		74001
D.A.N.		DATE
S.C.O.		8-22-80

** - North shoulder super-elevation will match super-elevation of slab.

**TOP OF CL.I ELEVATIONS
TEMPORARY CROSSOVER**

LOCATION	SUPERELEVATION (Ft./In.)*		TOP OF CL.I ELEVATION AT EDGE OF 24'-0" LANE		
	Lane	South Shoulder **	North Edge	South Edge (Note B)	
E Brg. W. Abut.	a	+0.17	503.745	504.153	
	b	To Match	503.485	503.893	
	c	Exist. Deck	503.225	503.633	
	d		502.965	503.373	
	e	+0.17	502.705	503.113	
	E Pier 2	f	+0.021	502.595	503.099
		g	+0.026	502.495	503.119
		h	+0.030	502.385	503.105
		i	+0.026	502.285	502.909
		j	+0.021	502.175	502.679
k		+0.017	502.075	502.483	
l		+0.013	501.965	502.277	
m		+0.009	501.865	502.081	
n		+0.004	501.765	501.881	
o		0	501.655	501.655	
E Pier 3	p	-0.004	501.475	501.379	
	q	-0.009	501.305	501.089	
	r	-0.013	501.135	500.823	
	s	-0.017	500.925	500.517	
	t	-0.021	500.735	500.231	
	u	-0.026	500.545	499.921	
	v	-0.030	500.385	499.665	
	w	-0.030	500.205	499.485	
	x	-0.028	500.035	499.363	
	y	-0.027	499.865	499.217	
z	-0.025	499.695	499.095		
aa	-0.024	499.545	498.969		
bb	-0.022	499.405	498.877		
cc	-0.021	499.295	498.791		
dd	-0.019	499.245	498.789		

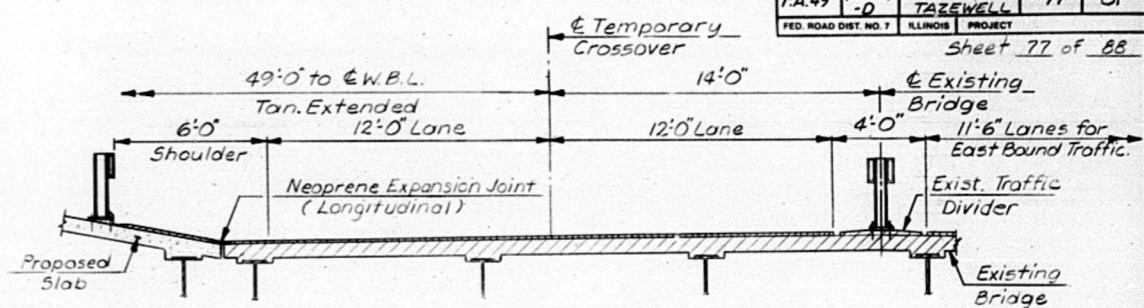
* Looking West - + Slope down from left to right.
- Slope down from right to left.

TEMPORARY CROSSOVER LAYOUT

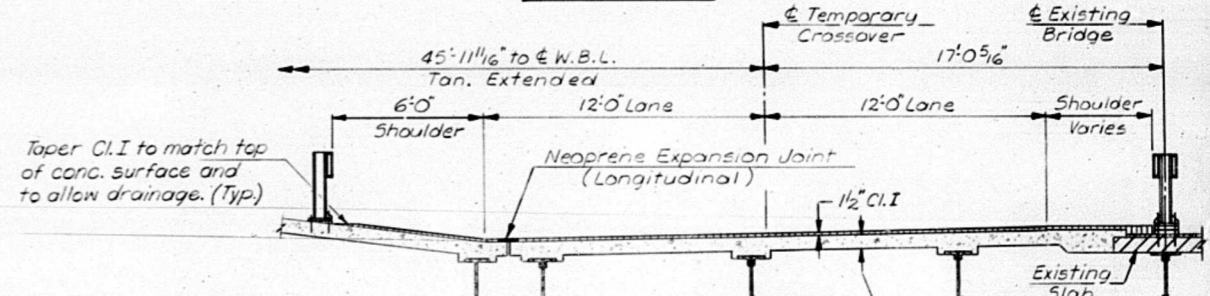
Distance along Tan. Extended	Offset South from Tan. Extended
0'-0"	0
25'-0"	8 3/8"
50'-0"	2'-10 3/8"
75'-0"	6'-5 3/4"
100'-0"	11'-7"
117'-9 1/2"	16'-11 5/8"
125'-0"	18'-2 3/8"
144'-4"	24'-6"
150'-0"	26'-5 1/4"
175'-0"	33'-11 1/8"
200'-0"	39'-11"
225'-0"	44'-4 1/8"
237'-3 1/2"	45'-11 1/8"
250'-0"	47'-3 3/8"
275'-0"	48'-9 1/8"
288'-8 3/8"	49'-0"

HORIZONTAL CURVE INFORMATION FOR TEMPORARY CROSSOVER

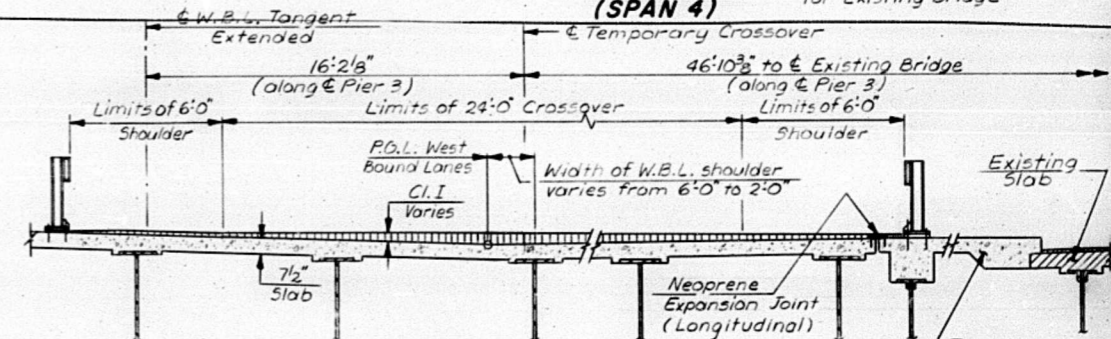
FOR WEST BOUND TRAFFIC	FOR EAST BOUND TRAFFIC
Δ = 19°-16'-03"	Δ = 6°-03'-50"
D = 13°-05'-57"	D = 5°-07'-45"
R = 437.40'	R = 1117.04'
T = 74.25'	T = 59.16'
L.C. = 147.09'	L.C. = 118.22'
E = 6.26'	E = 1.56'
P.C. = Back West Abut.	P.C. = E East Brg. Pier 2
P.C.C. = See Plan	P.C.C. = See Plan
P.T. = E Pier 4	P.T. = E West Brg. Pier 4



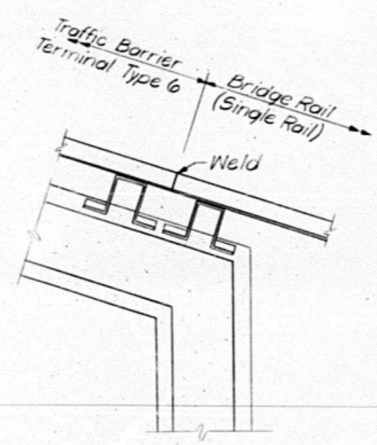
SECTION A-A



SECTION B-B (SPAN 4)

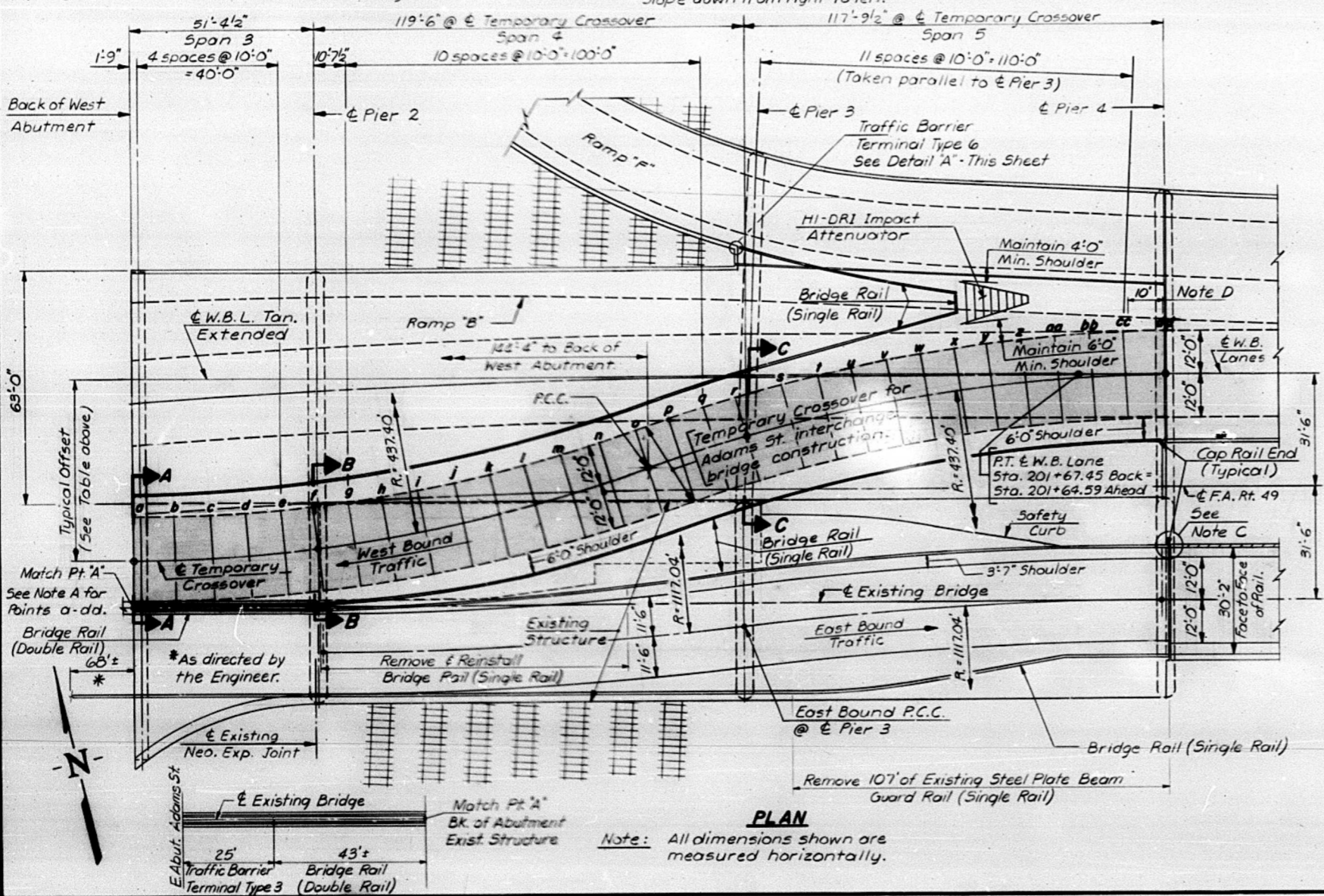


SECTION C-C



DETAIL A

This modification will not be paid for separately, (Incidental in cost)



PLAN

Note: All dimensions shown are measured horizontally.

NOTES:

- Note A: Points a thru dd can be located by intersecting the north edge of the 24'-0" temporary crossover with lines at the spacings shown in the plan view.
- Note B: Elevations given along the south edge of the 24'-0" temporary crossover are taken at locations radial to the north edge of the crossover.
- Note C: Face of Bridge Rail to match face of 4x12" rectangular railing in Span 6. Note that the terminal for 4x12" rectangular railing is to be removed and the end of the railing is to be capped. Cost of removing terminal & supplying cap will be incidental to cost of Bridge Rail.

See Sheet 78 of 88 for details of Impact Attenuator & Bridge Rail.

299' Existing Steel Plate Beam Guard Rail (from West Abut. to Pier 4) to be removed. (Paid for under S.P.B.G.R. Removal Single Rail)

Note D: Taper Cl.I - from 1/2" to match top surface of 6/8" neoprene expansion joint.

107' Existing Steel Plate Beam Guard Rail (South Curb of Span 5) to be removed. (Paid for under S.P.B.G.R. Removal Single Rail)

**BILL OF MATERIAL
TEMPORARY CROSSOVER**

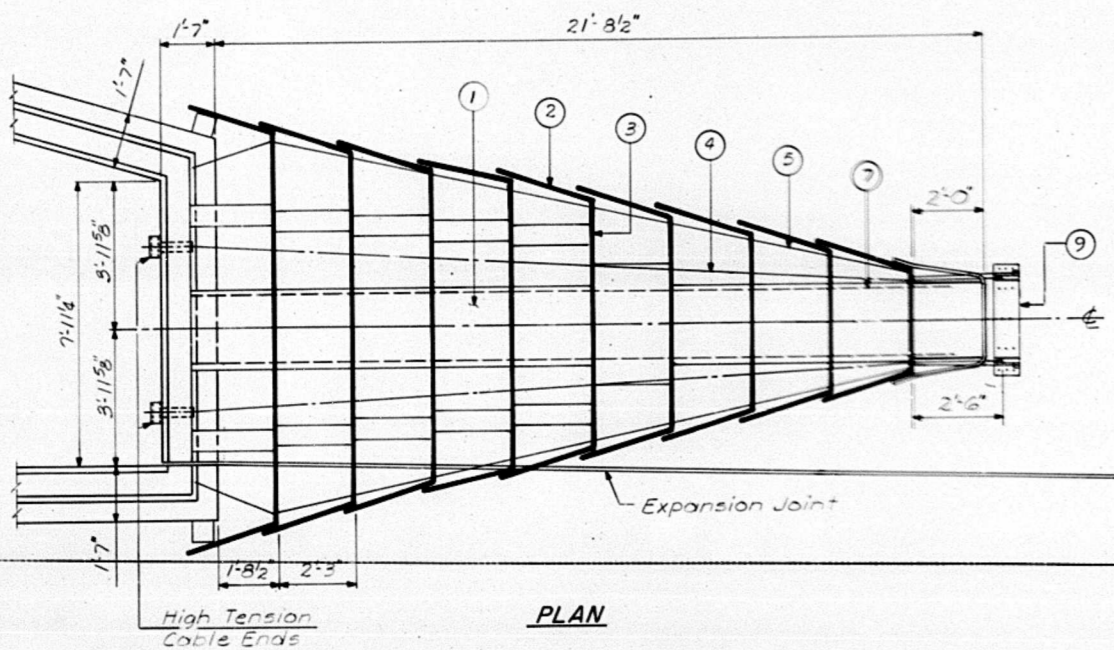
Item	Unit	Total
Bit. Conc. 5c. Mix. D.Cl.I.	Ton	146.7
Waterprf. Membrane Sys.	Sq. Yds.	1,176.7
Bridge Rail (Single)	Lin. Ft.	1,154
Bridge Rail (Double)	Lin. Ft.	94
Remove & Reinstall Bridge Rail (Single Rail)	Lin. Ft.	90
Traf. Barrier Term. T3	Each	1
Traf. Barrier Term. T6	Each	1
S.P.B.G.R. Rem. Single Rail	Lin. Ft.	107

**TEMPORARY CROSSOVER
SPANS 3, 4 & 5**

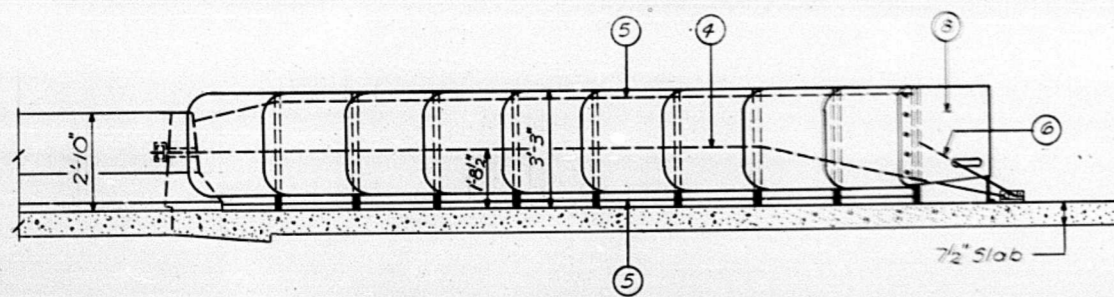
**M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER**

F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED: S.C.O.		FILE NO.
CHECKED: W.D.L.		74001
DRAWN: D.A.N.		DATE
CHECKED: W.D.L.		8-22-80

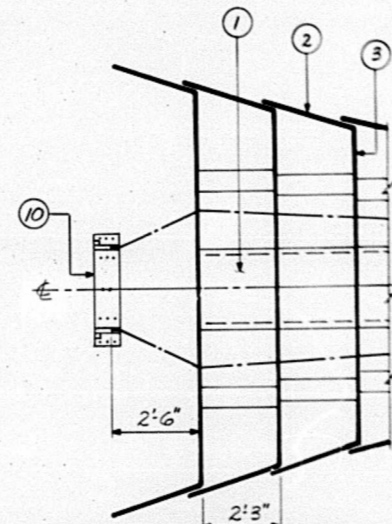


PLAN

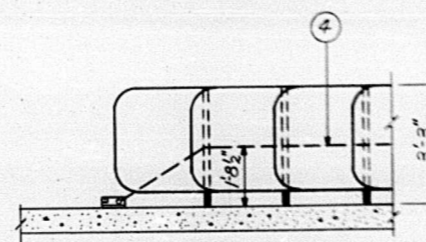


ELEVATION

SHOWING ANCHORAGE AT FINAL LOCATION
(See Sht. 77 For Temp. Location)

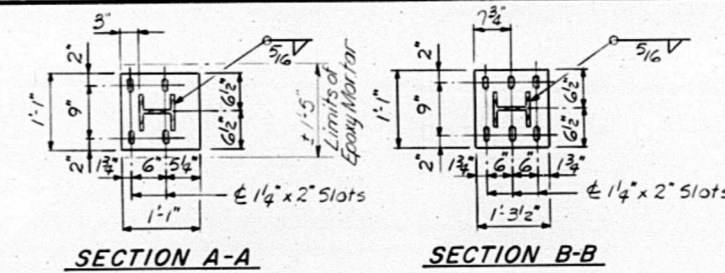


PARTIAL PLAN



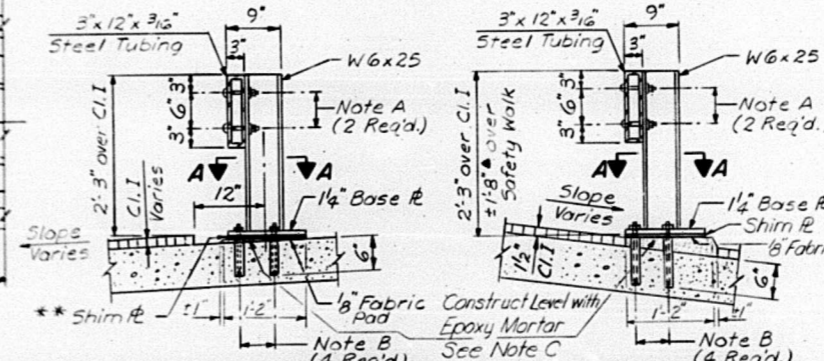
PARTIAL ELEVATION

SHOWING ANCHORAGE AT TEMPORARY LOCATION



SECTION A-A

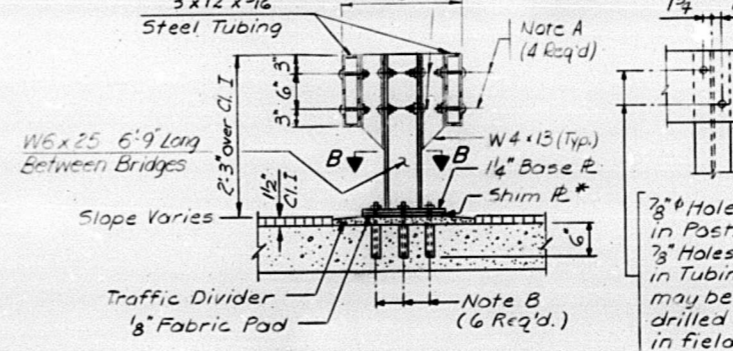
SECTION B-B



BRIDGE RAIL (SINGLE RAIL)
(On Proposed Slab)

BRIDGE RAIL (SINGLE RAIL)
(On Existing C.I.)

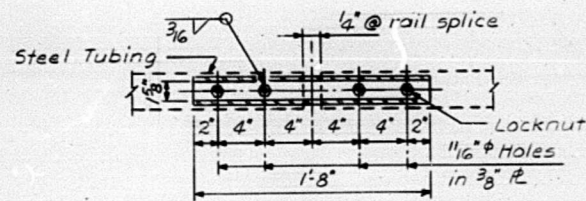
BRIDGE RAIL (DOUBLE RAIL) DETAILS



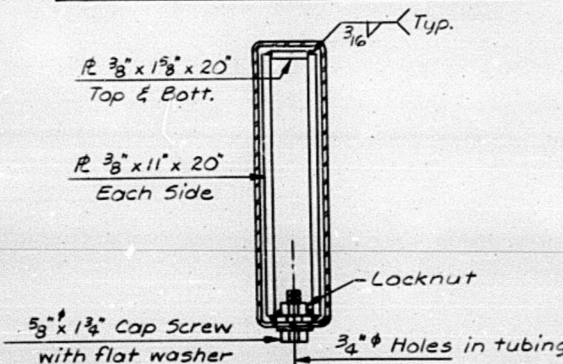
BRIDGE RAIL (DOUBLE RAIL)

BRIDGE RAIL DETAILS

DETAILS OF HI-DRI IMPACT ATTENUATOR SYSTEM
(OPTIONAL EXTRA WIDE ATTENUATOR)



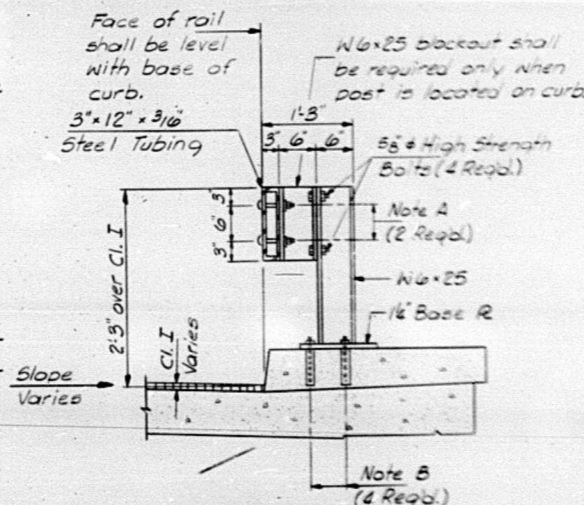
PLAN - BOTT. SPLICE PL. (TYPICAL)



SECTION
BRIDGE RAIL SPLICE

KEY

- ① Crushable Cartridge
- ② Fender Panel
- ③ Diaphragm
- ④ High Tension Cable
- ⑤ Pullout Cable
- ⑥ Secondary Cable
- ⑦ Slide Trap
- ⑧ Safety-Flex Belt
- ⑨ Front Cable Anchor
- ⑩ Rear Cable Anchor



BRIDGE RAIL (SINGLE RAIL)

FOR RAIL ALONG SOUTH EDGE OF EAST BOUND TRAFFIC
Note: W6x25 Posts Not on Bridge shall be 6'-9" in length.
Top of rail shall be 2'-3" above C.I. surfacing.

NOTES - BRIDGE RAIL

- * Provide 2 - 1/8" x 13" x 1-3/2" Shim Plates for each Double Rail Post.
- ** Provide 2 - 1/8" x 13" x 13" shim plates for each Single Rail Post.
- Note A: 3/4" x 5" Button Hd. Machine Bolts (with slot or approved recess in head) with locknut & flat washer.
- Note B: Drill & Epoxy Grout 1/4" holes for 1" H.S. bolts with nut & flat washers. See Spec. Prov. The portion of the base plate or shim plate that contacts concrete shall receive two coats of asphalt point conforming to Section 714.08 Type B or place 1/8" fabric bearing pad between the post and concrete.
- Hollow structural steel tubing shall conform to the requirements of A.S.T.M. designation A-500 Grade B Structural Steel Tubing.
- All other steel shapes and plates shall conform to the requirements of A.A.S.H.T.O. M-183 except posts and angles shall conform to A.A.S.H.T.O. M-223 Grade 50.
- Bolts, cap screws and nuts shall conform to the requirements of A.S.T.M. designation A-307 except for high strength bolts, nuts and washers noted which shall conform to A.A.S.H.T.O. M-164.
- All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with A.A.S.H.T.O. M-232.
- All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with A.A.S.H.T.O. M-111 and A.S.T.M. A-385. Galvanized rail shall not be painted.
- Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per linear foot for furnishing and erecting Bridge Rail. All shim plates, posts, blockouts and mounting hardware shall be included in the price per linear foot of Bridge Rail.
- All field drilled holes shall be coated with an approved zinc rich paint before erection.
- Maximum rail post spacing shall be 6'-9"

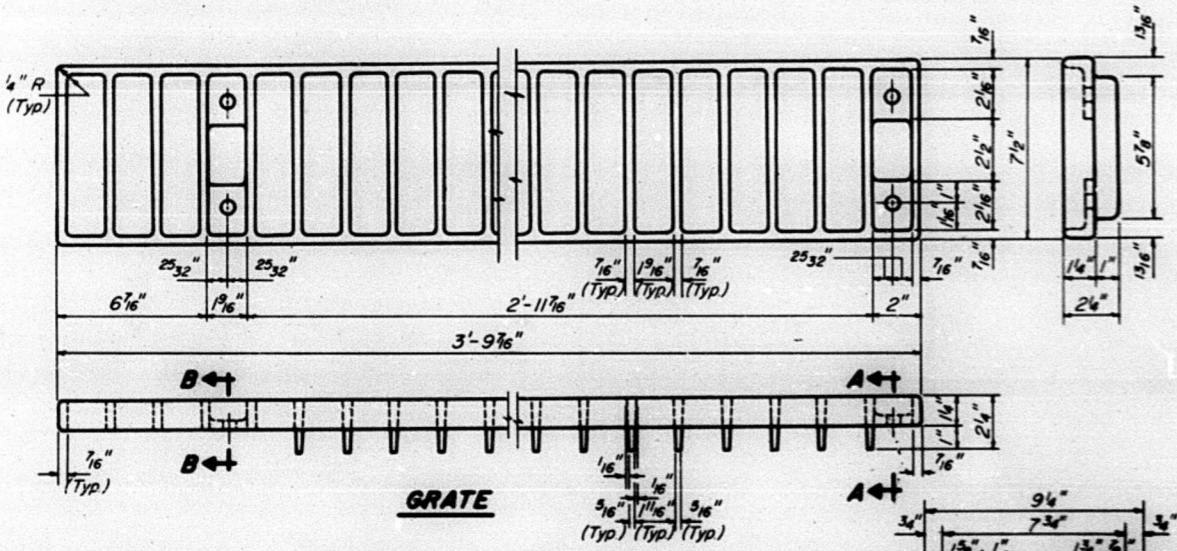
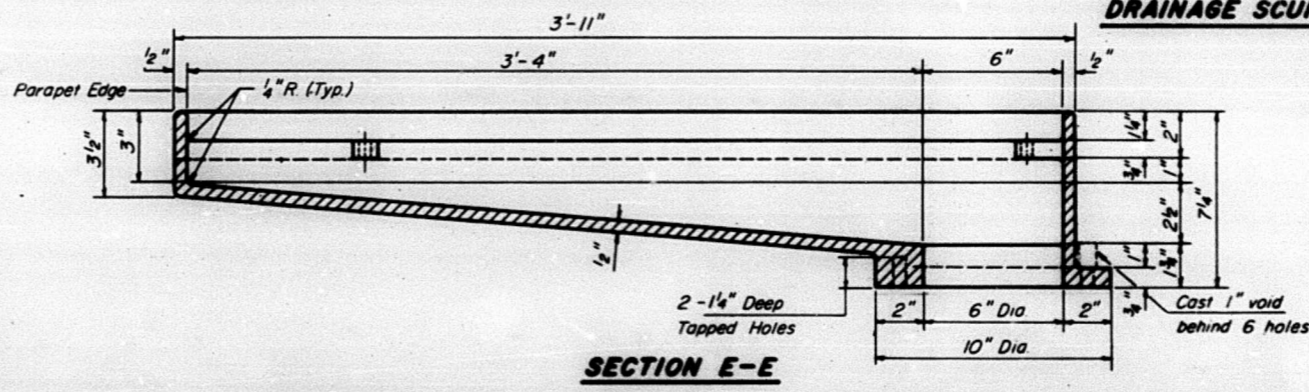
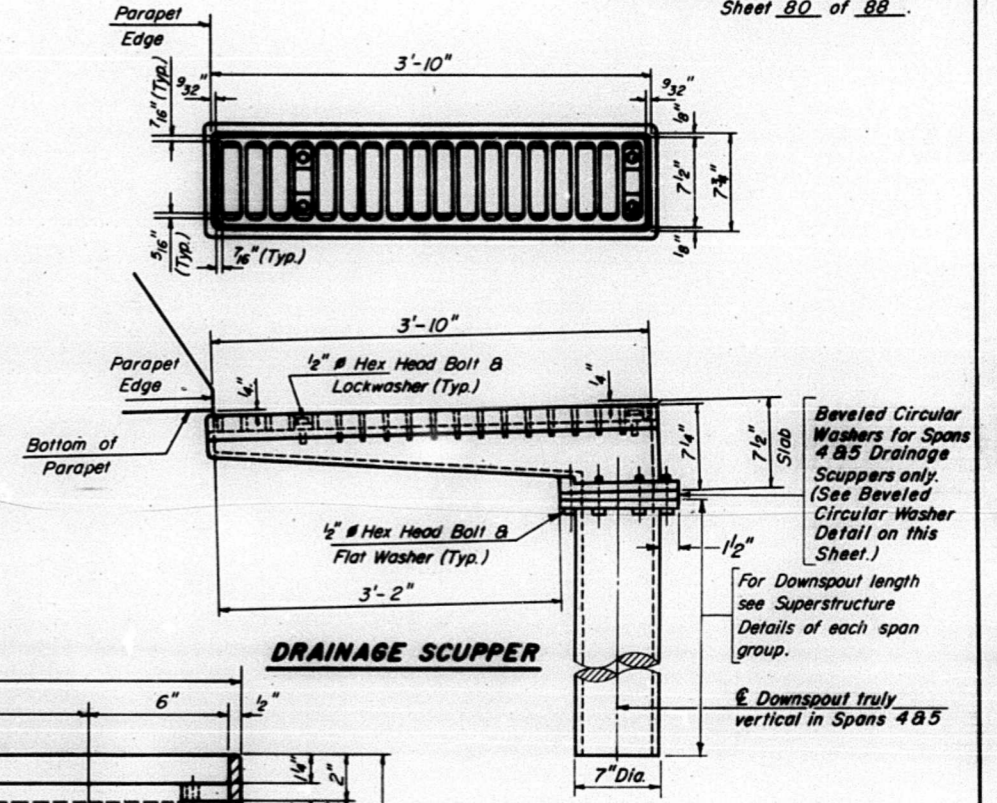
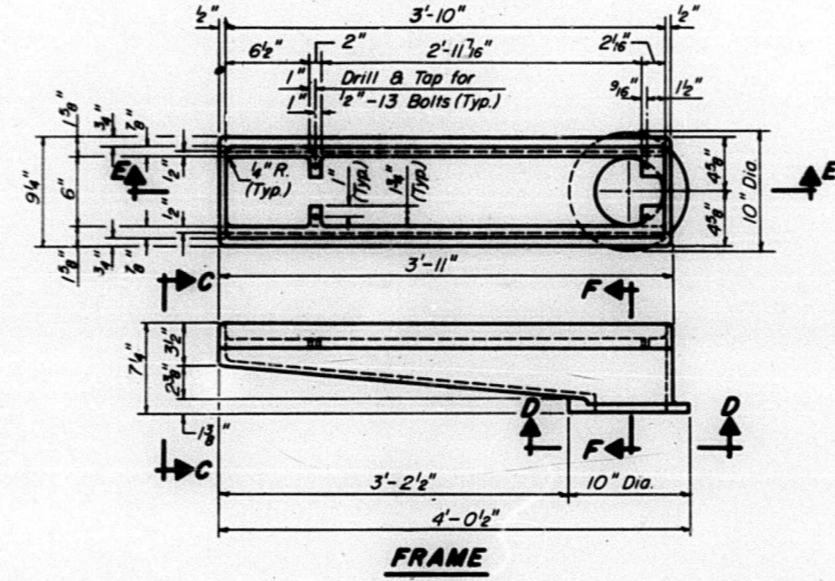
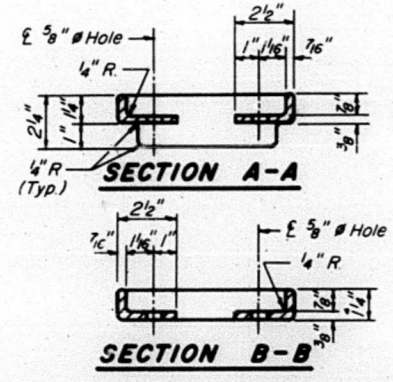
Note C: Remove wearing surface and sandblast the concrete surface clean & free of sealant, loose or unsound concrete and contaminants. The seats shall then be built up with Epoxy Mortar to the dimensions shown. The epoxy mortar shall consist of a 100 percent solids (solvent-free), two-component, fast curing, epoxy-resin system, suitably mixed with a clean, oven-dried aggregate of the type and gradation recommended by the manufacturer of the epoxy. The epoxy mortar shall be mixed, placed, and cured in accordance with the manufacturer's instructions. It shall be capable of bonding to concrete surfaces, provide compressive strength of 8000 psi when fully cured, and recommended by the manufacturer for the use intended. (Cost Incidental)

IMPACT ATTENUATOR SYSTEM & BRIDGE RAIL DETAILS SPANS 3, 4 & 5

M^o CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER

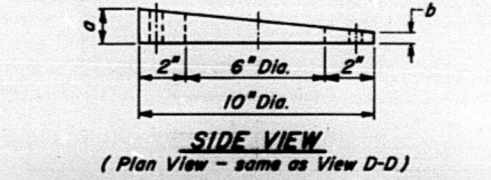
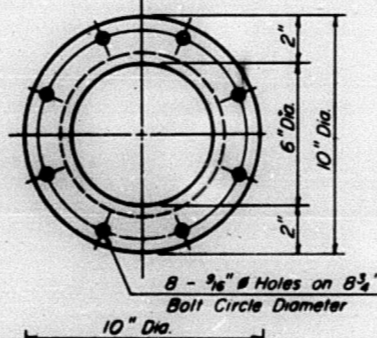
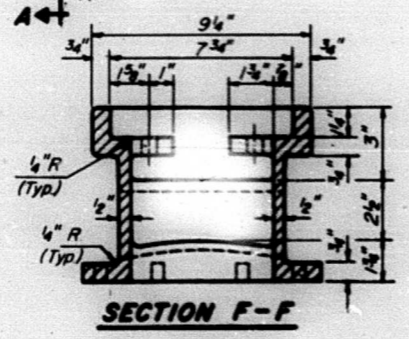
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED S.C.O.		FILE NO.
CHECKED W.D.L.		74001
DRAWN D.A.N.		SHT
CHECKED S.C.O.		8-22-80



NOTES:

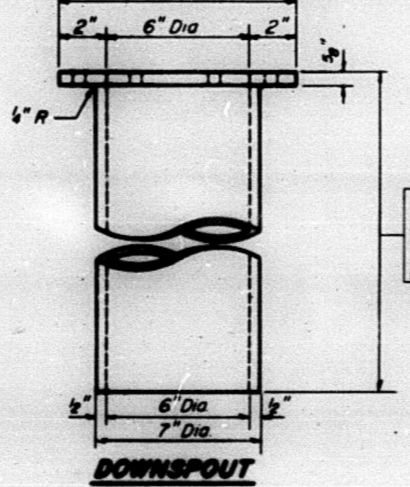
All cast iron parts shall be gray iron conforming to the requirements of AASHTO: M-105, Class 30.
Bolts and washers shall conform to the requirements of A.S.T.M.: A-307.
All bolts and washers shall be galvanized in accordance with A.A.S.H.T.O. M-232.
As an alternate bolts and washers may be stainless steel conforming to the requirements of A.S.T.M. A-193 Type 304.
Cost of the Grate, Frame, Downspout, bolts and washers including complete installation of Scupper shall be paid for at the unit bid price for "DRAINAGE SCUPPERS".
The Contractor may use at his option steel drainage scuppers or cast iron drainage scuppers.



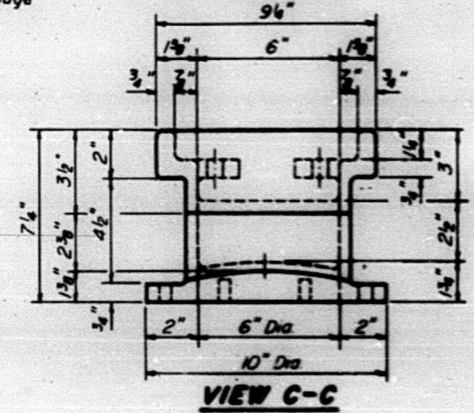
WASHER LOCATION	a	b
* Downspout closest to Pier 2	13 3/8"	3 3/8"
* Downspout closest to Pier 3	11 3/8"	3 3/8"
* Downspout closest to Pier 4	9 3/8"	3 3/8"

* See Sheet 12 of 88 for exact downspout locations.

BEVELED CIRCULAR WASHER DETAIL



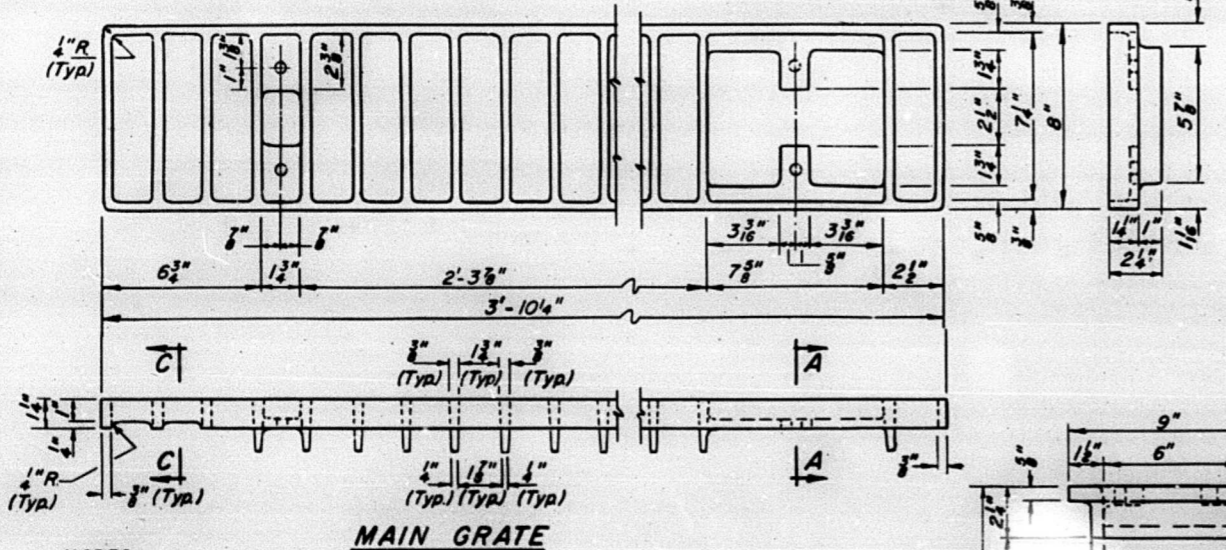
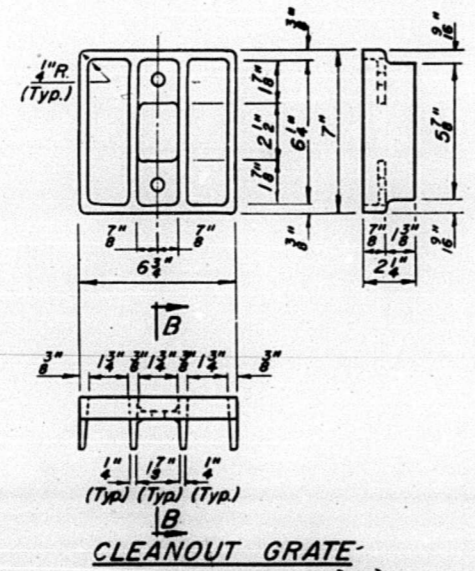
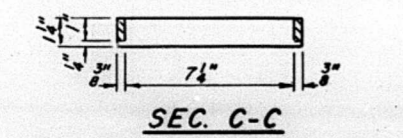
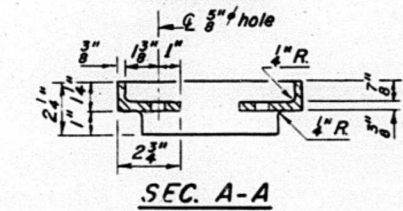
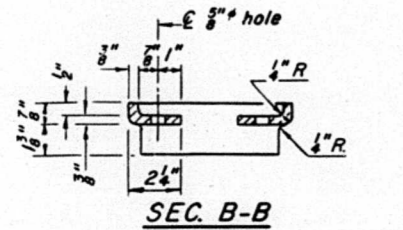
For Downspout length see Superstructure Details of each span group.



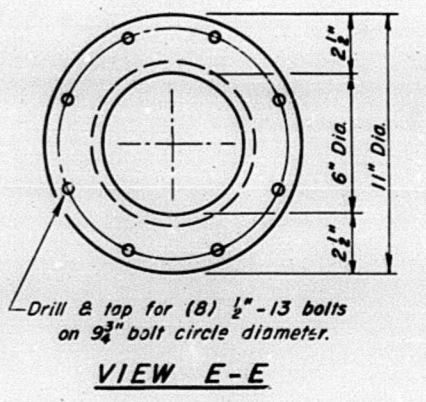
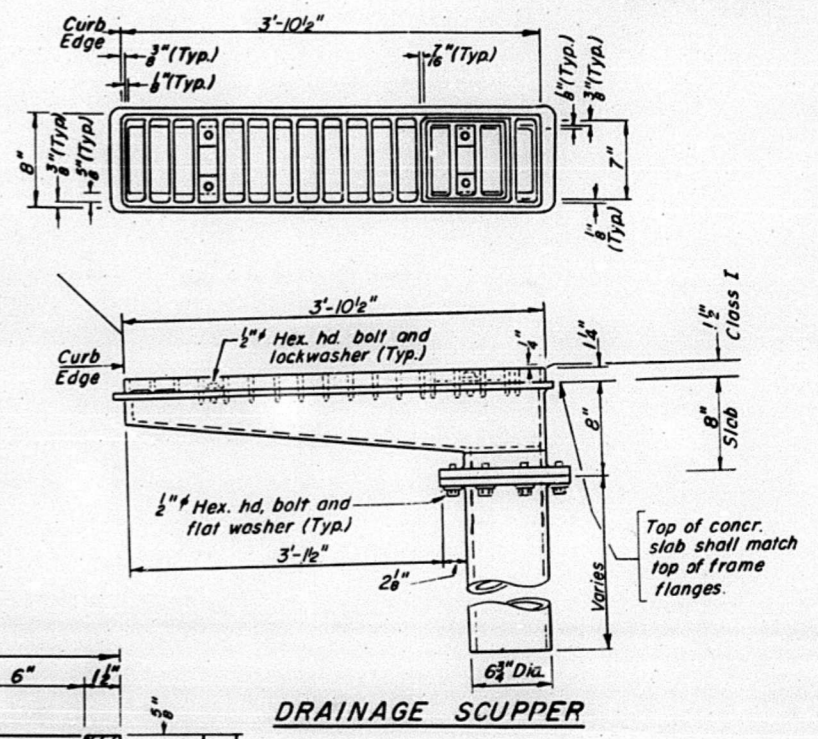
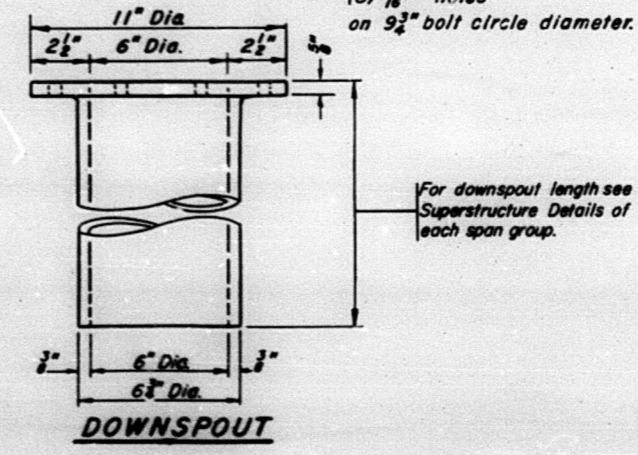
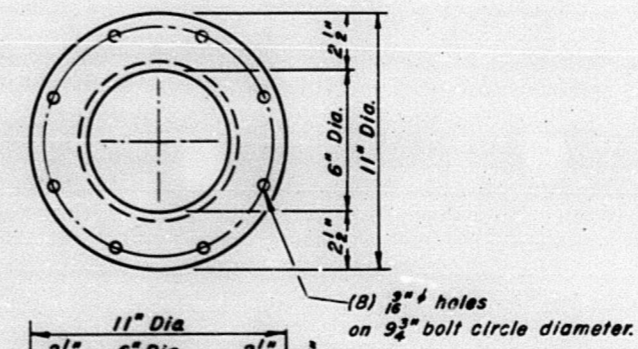
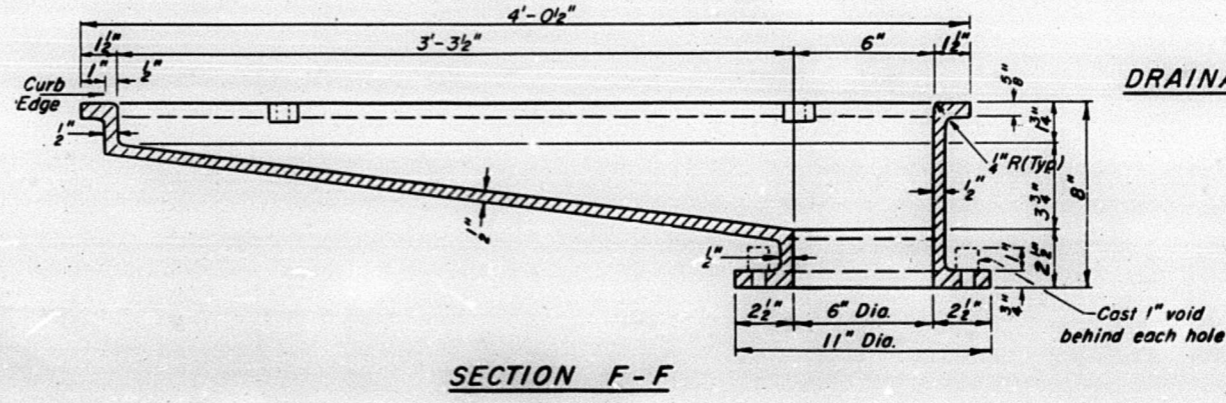
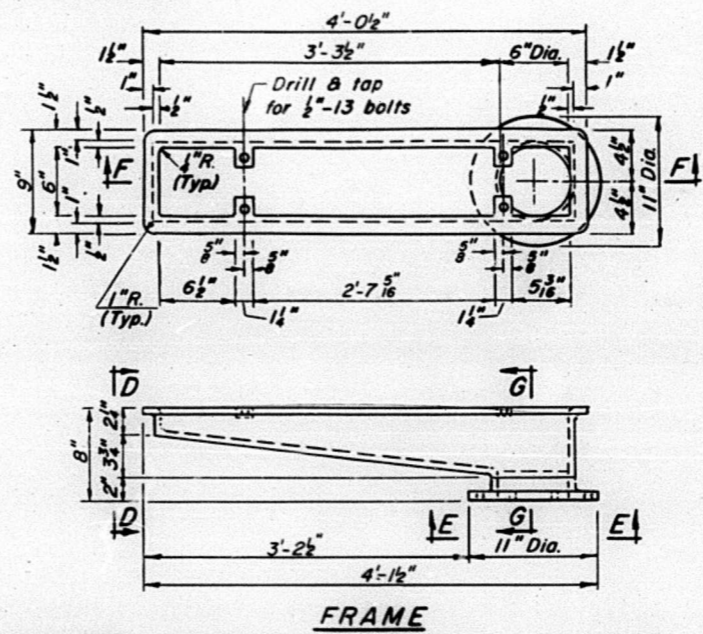
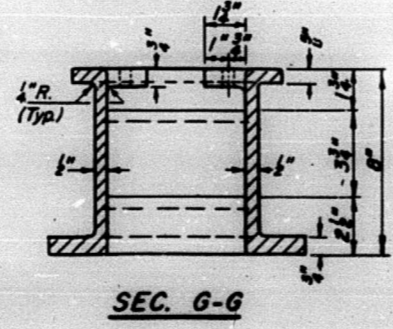
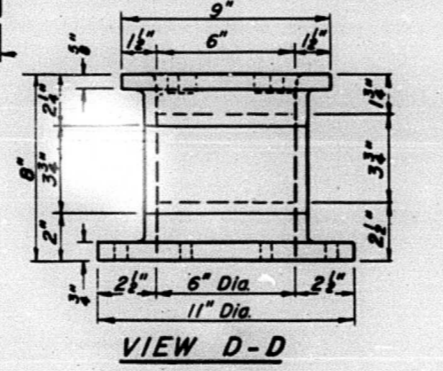
ALTERNATE - CAST IRON DRAINAGE SCUPPER
ALL SPANS EXCEPT RAMP E

M^cCLUGASE BRIDGE
OVER THE ILLINOIS RIVER

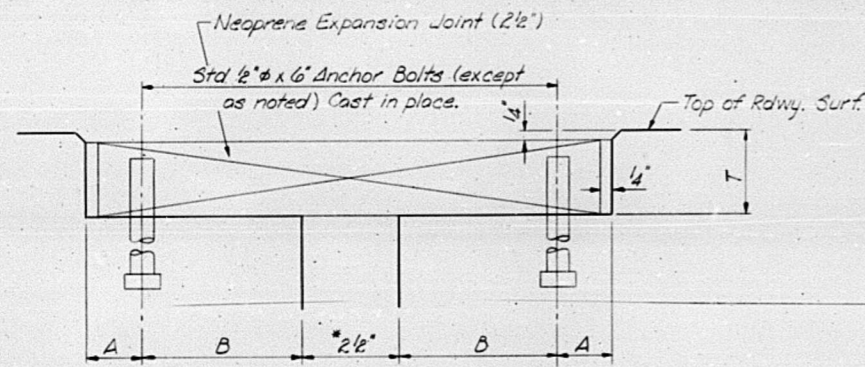
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES



NOTES:
All cast iron parts shall be gray iron conforming to the requirements of AASHTO M105, Class 30.
Bolts, washers and nuts shall conform to the requirements of ASTM A-307.
All bolts, washers and nuts shall be galvanized in accordance with AASHTO M 232.
The waterproofing membrane system shall be installed such that the membrane covers the frame flanges and extends down into the frame with the grates placed on top of the membrane.
Cost of the Main Grate, Cleanout Grate, Frame, Downspout, Bolts, Washers and Nuts including complete installation of Scupper shall be paid for at the unit bid price for "DRAINAGE SCUPPERS".
The Contractor may use at his option steel frames and steel grates or cast frames and cast grates, but will not be allowed to use steel grates with cast frames nor cast grates with steel frames.

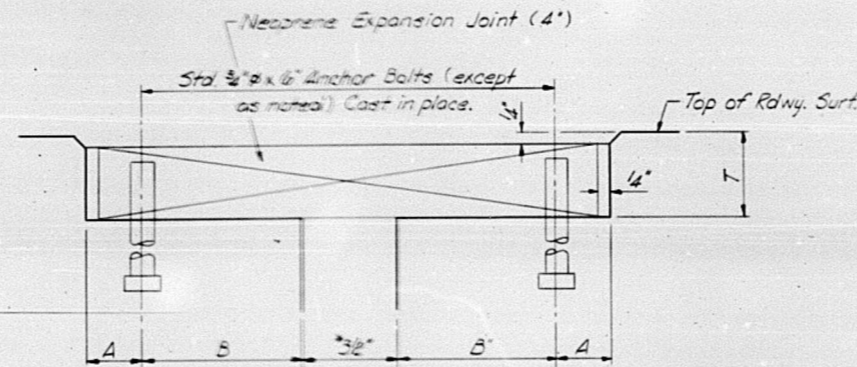


ALTERNATE CAST IRON DRAINAGE SCUPPER
RAMP E ONLY
M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC.(15B-1)-D
PEORIA & TAZEWELL COUNTIES



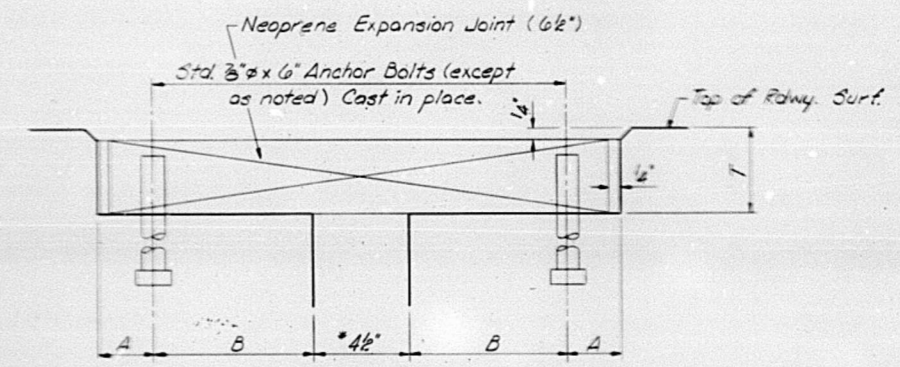
CROSS SECTION - 2 1/2" JOINT
E. ABUT. & PIER 2

*At 50°F
Dimensions are at right angles.



CROSS SECTION - 4" JOINT
N. ABUT. & S. ABUT.

*At 50°F
Dimensions are at right angles.



CROSS SECTION - 6 1/2" JOINT
PIERS 4, 16, 19 & 4E

*At 50°F
Dimensions are at right angles.

NOTE:
Joint openings shall be adjusted in accordance with Article 503.07(c) of the Std. Spec.'s when the deck is poured at an ambient temperature other than 50°F.

ALTERNATE NEOPRENE EXPANSION JOINTS (2 1/2")
(See Special Provisions)

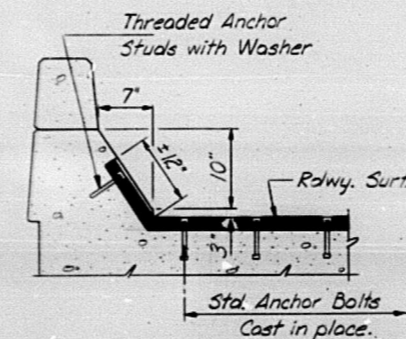
Model	Supplier	Blockout Dimension
TRANSFLEX, MODEL 250 Use 3/8" x 6" Anchor Bolts	GENERAL TIRE COMPANY	T=2 1/8", A=1 1/2", B=4 1/4"
WABOFLEX, MODEL SR 2.5 Use 3/8" x 6" Anchor Bolts	WATSON BOWMAN ASSOCIATES, INC.	T=2 1/8", A=1 1/2", B=4 1/4"
FEL-SPAN, MODEL T-30 Set joint seal 1 3/8" at 50°F	FEL-PRO BUILDING PRODUCTS, INC.	T=1 3/4", A=2 1/4", B=2 9/16"
WABO ELASTODAM, Type 300 Set joint seal 1 3/8" at 50°F	WATSON BOWMAN ASSOCIATES, INC.	T=1 3/4", A=2 1/4", B=2 9/16"
WABO ALU-STRIP, Type III S300 Set joint seal 1 1/2" at 50°F Permitted for 0° skew only.	WATSON BOWMAN ASSOCIATES, INC.	T=1 3/4", A=1 5/8", B=2 1/2"
LOW PROFILE ONFLEX-25 Set joint seal 1 1/2" at 50°F Roadway bolt channel shall be filled with approved grout. Permitted for up to 50° skew.	STRUCTURAL ACCESSORIES, INC.	T=1 3/4", A=1 5/8", B=2 1/2"

ALTERNATE NEOPRENE EXPANSION JOINTS (4")
(See Special Provisions)

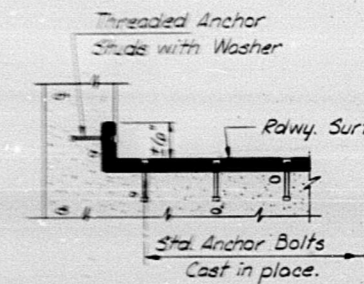
Model	Supplier	Blockout Dimension
TRANSFLEX, MODEL 400A	GENERAL TIRE COMPANY	T=2 3/8", A=1 3/16", B=8 1/16"
WABOFLEX, MODEL SR 4	WATSON BOWMAN ASSOCIATES, INC.	T=2 3/8", A=1 3/16", B=8 1/16"
FEL-SPAN, MODEL T-40 Set joint seal 2 1/8" at 50°F Use 1/2" Anchor Bolts Max. expansion length = 300'	FEL-PRO BUILDING PRODUCTS, INC.	T=2 3/8", A=2 1/4", B=2 9/16"
WABO ELASTODAM, Type 400 Set joint seal 2 1/8" at 50°F Use 1/2" x 6" Anchor Bolts Max. expansion length = 300'	WATSON BOWMAN ASSOCIATES, INC.	T=2 3/8", A=2 1/4", B=2 9/16"

ALTERNATE NEOPRENE EXPANSION JOINTS (6 1/2")
(See Special Provisions)

Model	Supplier	Blockout Dimension
TRANSFLEX, MODEL 650	GENERAL TIRE COMPANY	T=3 1/4", A=2 1/8", B=9 3/8"
WABOFLEX, MODEL SR 6.5 Use 3/4" x 6" Anchor Bolts	WATSON BOWMAN ASSOCIATES, INC.	T=3 1/4", A=2 1/8", B=9 3/8"



AT CURB



AT ABUTMENT

TYPICAL END TREATMENT

NEOPRENE EXPANSION JOINTS (2 1/2", 4" & 6 1/2")

M^cCLUSAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES

DESIGNED W.D.L.
CHECKED S.C.Q.
DRAWN R.L.F.
CHECKED C.R.N.

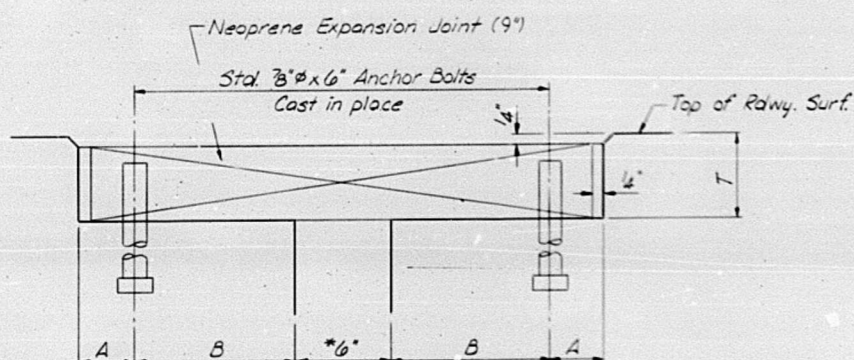


FILE NO. 74001
DATE 8-22-80

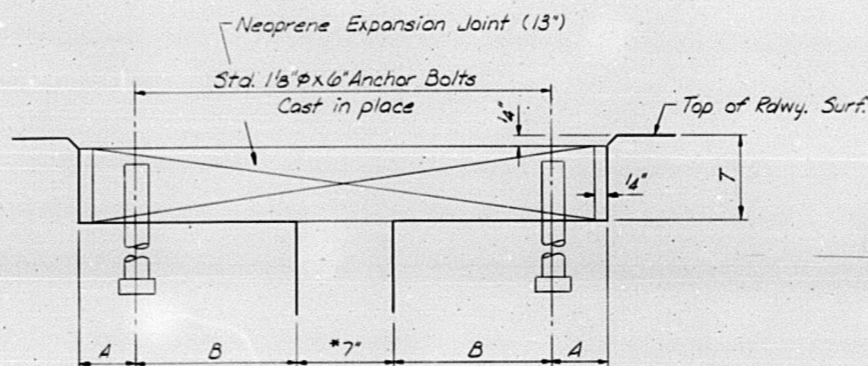
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA. 49	(15B-1)	PEORIA & TAZEWELL	97	88
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Sheet 84 of 88

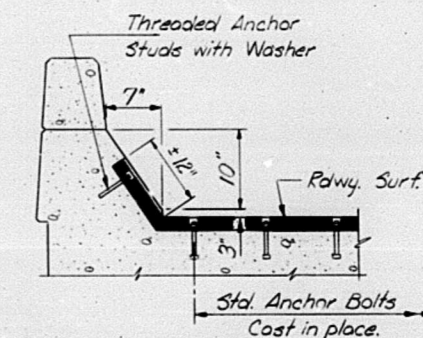


CROSS SECTION - 9" JOINT
PIER 10 & TRUSS L21
*At 50°F
Dimensions are at right angles.

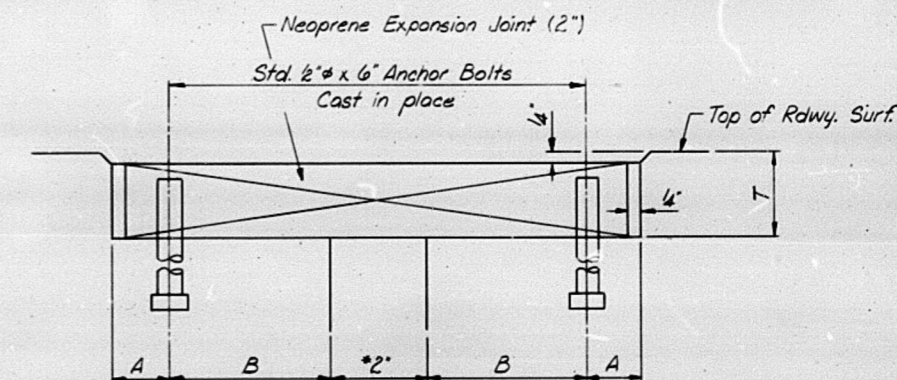


CROSS SECTION - 13" JOINT
PIERS 7, 13 & 7E
*At 50°F
Dimensions are at right angles.

NOTE:
Joint openings shall be adjusted in accordance with Article 503.07(c) of the Std. Spec's when the deck is poured at an ambient temperature other than 50°F



AT CURB
TYPICAL END TREATMENT



CROSS SECTION - 2" JOINT
PANEL POINTS L4, L6, L12, L25,
L4', L6', L12', L25' & L25'
*At 50°F
Dimensions are at right angles.

ALTERNATE NEOPRENE EXPANSION JOINTS (9")
(See Special Provisions)

Model	Supplier	Blockout Dimension
TRANSFLEX, MODEL 900	GENERAL TIRE COMPANY	T=4", A=2 3/8", B=1'-0 1/2"
WABOFLEX, MODEL SR 9	WATSON BOWMAN ASSOCIATES, INC.	T=4", A=2 3/8", B=1'-0 1/2"

ALTERNATE NEOPRENE EXPANSION JOINTS (13")
(See Special Provisions)

Model	Supplier	Blockout Dimension
TRANSFLEX, MODEL 1300	GENERAL TIRE COMPANY	T=5 1/2", A=2 1/2", B=1'-5 3/4"
WABOFLEX, MODEL SR 13	WATSON BOWMAN ASSOCIATES, INC.	T=5 1/2", A=2 1/2", B=1'-5 3/4"

ALTERNATE NEOPRENE EXPANSION JOINTS (2")
(See Special Provisions)

Model	Supplier	Blockout Dimension
TRANSFLEX, MODEL 200A	GENERAL TIRE COMPANY	T=1 1/8", A=1/8", B=3 5/8"
WABOFLEX, MODEL SR2	WATSON BOWMAN ASSOCIATES, INC.	T=1 1/8", A=1/8", B=3 5/8"
FEL-SPAN, MODEL T-30	FEL-PRO BUILDING PRODUCTS, INC.	T=1 3/4", A=2 1/4", B=2 1/8"
WABO ELASTODAM, TYPE 300	WATSON BOWMAN ASSOCIATES, INC.	T=1 3/4", A=2 1/4", B=2 1/8"
WABO ALU-STRIP, TYPE III S300	WATSON BOWMAN ASSOCIATES, INC.	T=1 3/4", A=1 3/8", B=2 3/4"
Low PROFILE ONFLEX-25	STRUCTURAL ACCESSORIES, INC.	T=1 3/4", A=1 5/8", B=2 3/8"

Set joint seal 1 3/8" at 50°F
Set joint seal 1 1/2" at 50°F
Permitted for 0° skew only.
Roadway bolt channel shall be filled with approved grout.

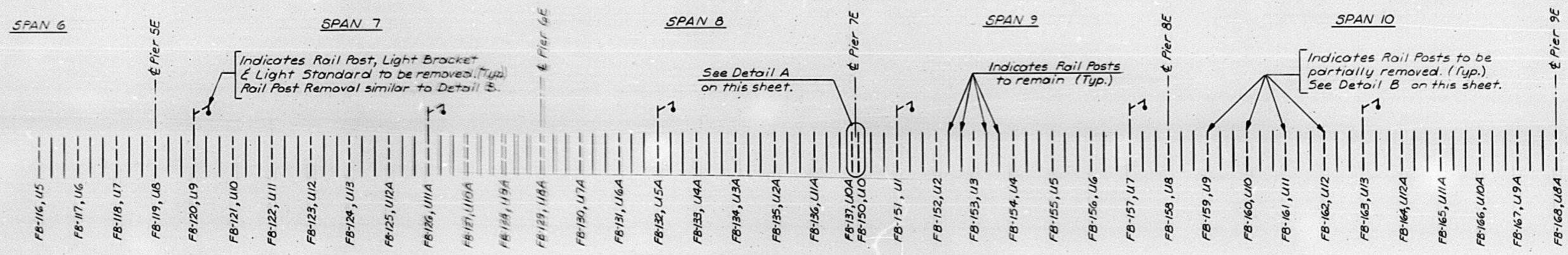
NEOPRENE EXPANSION JOINTS (2", 9" & 13")

M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. (15B-1)-D
PEORIA & TAZEWELL COUNTIES.

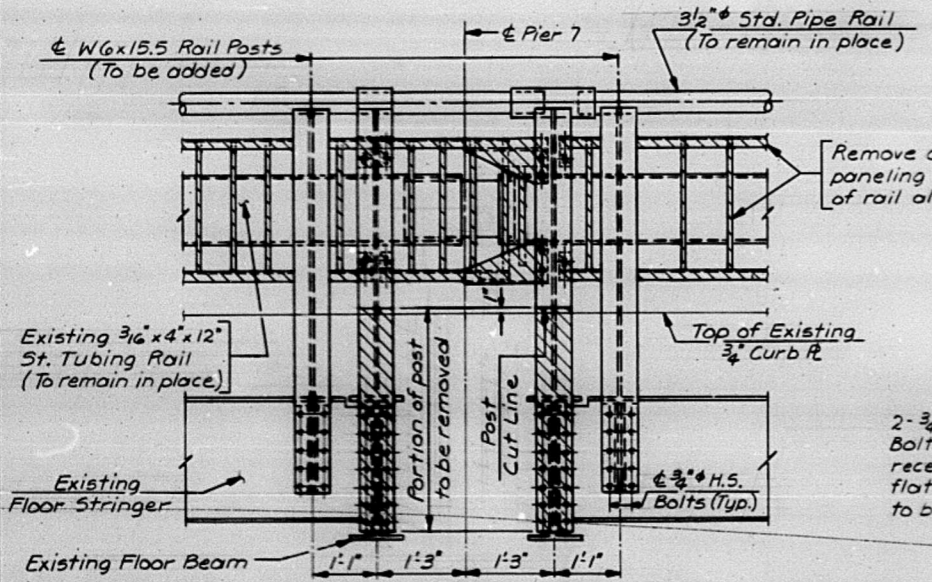
DESIGNED W.D.L.	CHECKED S.C.Q.	DRAWN R.J.F.	CHECKED C.R.N.	FILE NO. 74001	DATE 8-22-80
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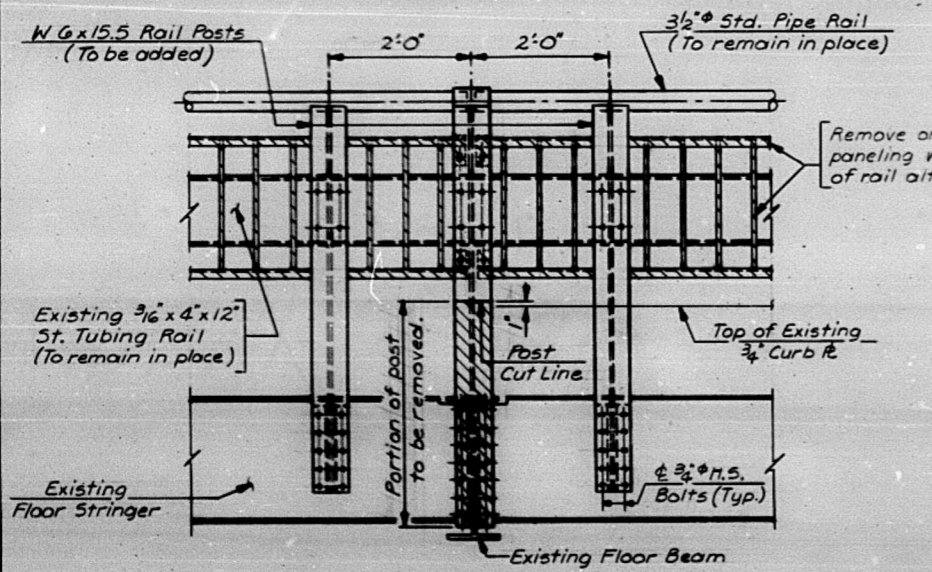
SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS



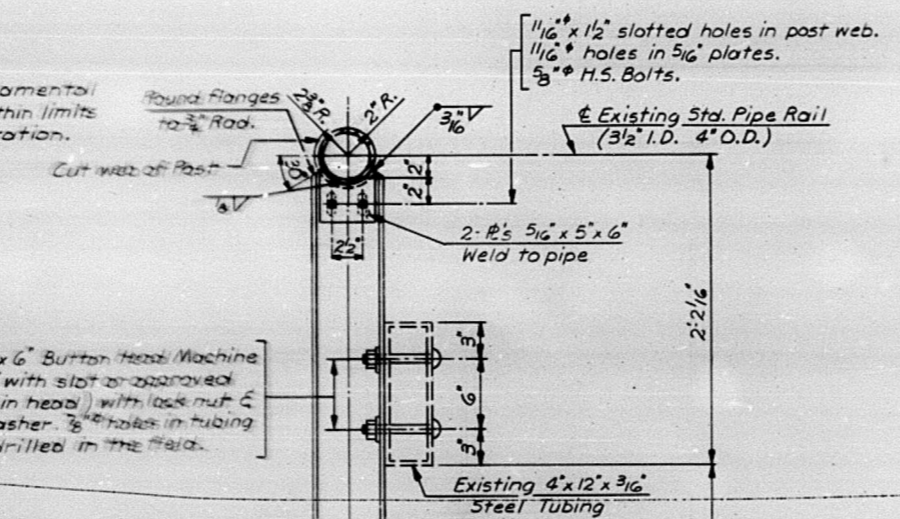
SCHEMATIC OF EXISTING RAIL TO BE ALTERED



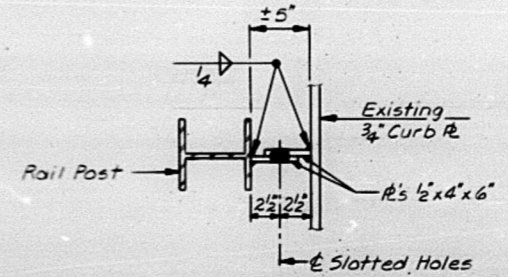
DETAIL A



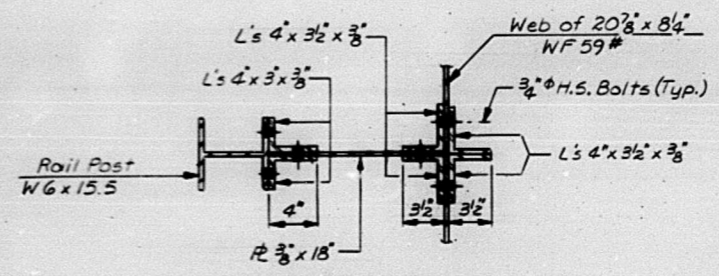
DETAIL B



SECTION AT RAIL POST



SECTION A-A



REPLACEMENT HANDRAIL POST CONNECTION

- RAIL ALTERATION**
- 117 - Ornamental Rail Panels 8'-8" long to be removed.
 - 1 - Ornamental Rail Panel 2'-6" long to be removed.
 - 35 - Rail Posts to be partially removed.
 - 6 - Combination Rail Posts, Light Standard Brackets & Light Standards to be removed.
 - 80 - New Rail Posts to be added.

EXISTING RAIL ALTERATIONS	
McCLUGAGE BRIDGE OVER THE ILLINOIS RIVER	
F.A. ROUTE 49 SEC. 15B-11-D PEORIA & TAZEWELL COUNTIES	
<ul style="list-style-type: none"> — CRN — S.C.O. — D.A.N. — CRN 	<p>74001</p> <p>8-22-80</p>

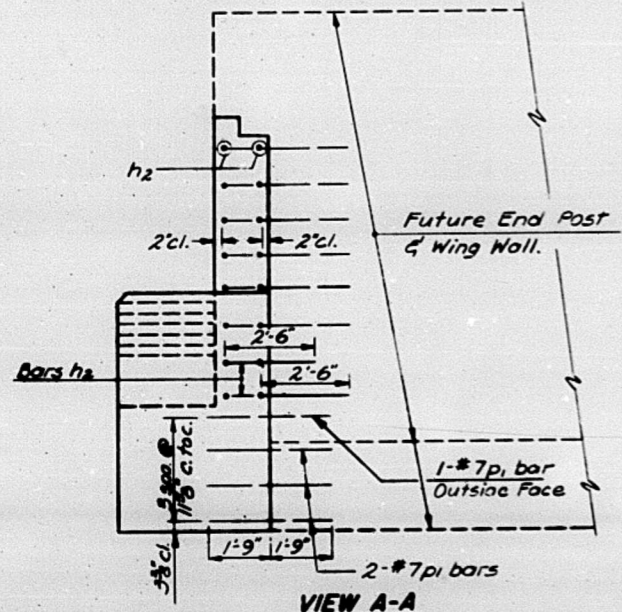
Note: This Sheet for Informational Purposes Only. Showing Altered Rail, Rail Posts, and Rail Post Connections to be removed by the Deck Contractor.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

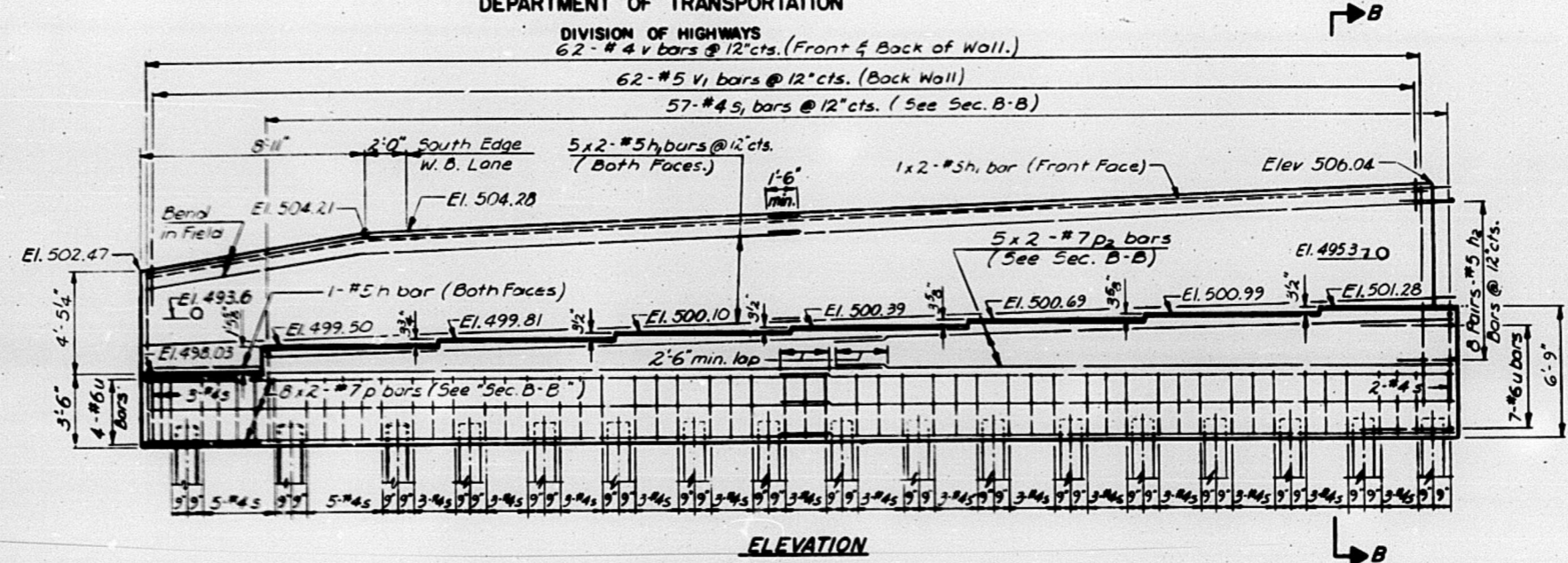
DIVISION OF HIGHWAYS
62-#4 v bars @ 12" cts. (Front & Back of Wall.)
62-#5 v bars @ 12" cts. (Back Wall)
57-#4 s bars @ 12" cts. (See Sec. B-B)

PROJECT NO.	CONTRACT NO.	SHEET NO.	TOTAL SHEETS
FA 49	115B-11-10	97	90

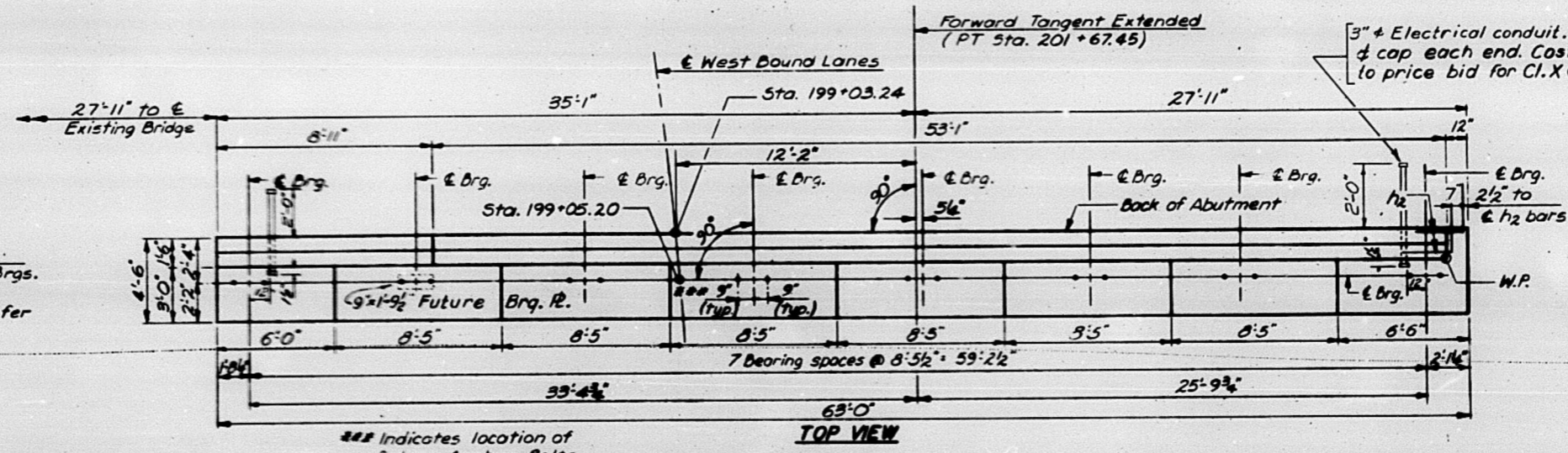
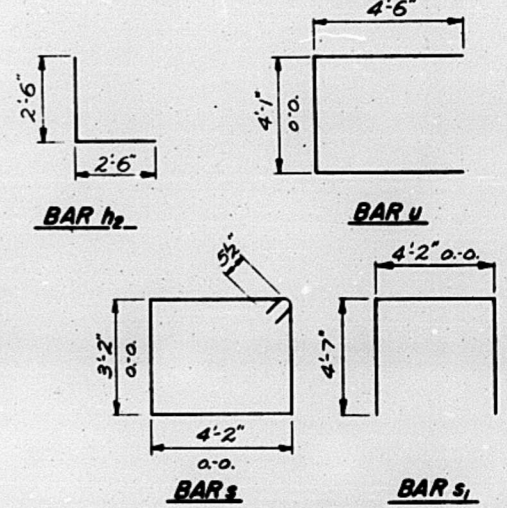
Sheet 86 of 88.



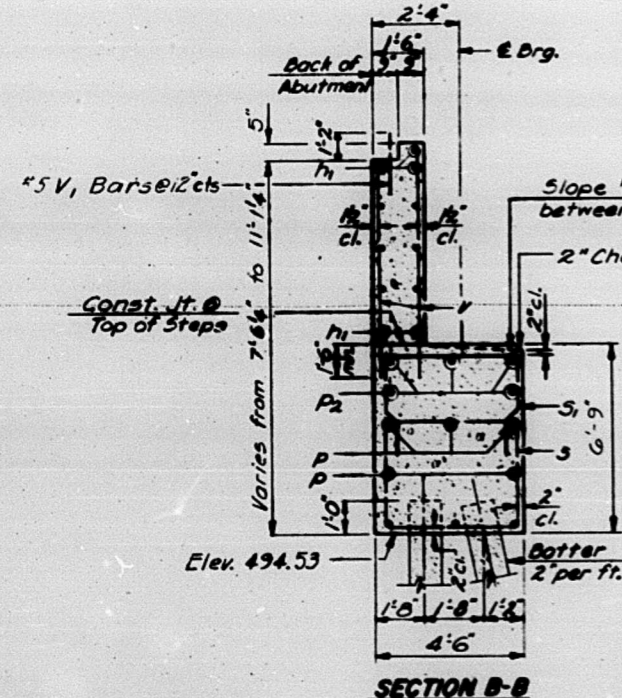
VIEW A-A



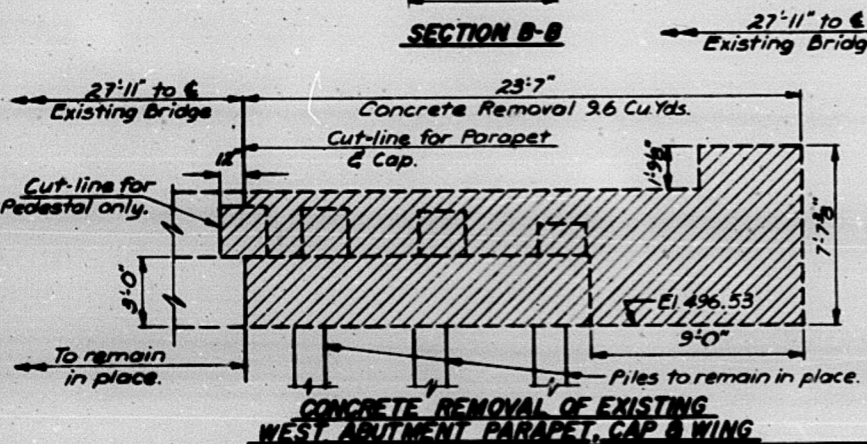
ELEVATION



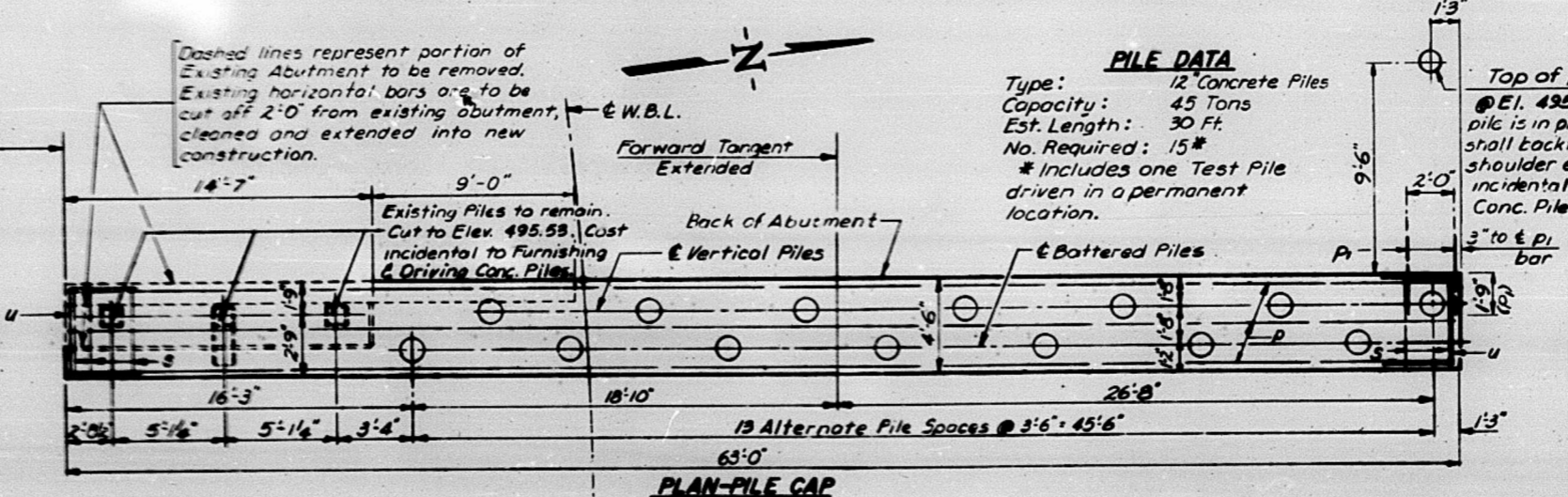
TOP VIEW



SECTION B-B



CONCRETE REMOVAL OF EXISTING WEST ABUTMENT PARAPET, CAP & WING



PLAN-PILE CAP

Note: See Sheet 87 of 88 for Steel Sheet Piling.

PILE DATA

Type: 12 Concrete Piles
Capacity: 45 Tons
Est. Length: 30 Ft.
No. Required: 15*
* Includes one Test Pile driven in a permanent location.

Top of pile @ Elevation 495.53 After pile is in place, Contractor shall backfill to existing shoulder elevation. Cost incidental to Fur. & Driving Conc. Piles.

WEST ABUTMENT BILL OF MATERIAL

BAR NO.	SIZE	LENGTH	SHAPE
h	#5	5'-6"	U
h1	#5	32'-0"	U
h2	#5	5'-0"	L
p	#7	32'-6"	U
pi	#7	3'-6"	U
ps	#7	29'-6"	U
s	#4	15'-7"	U
s1	#4	13'-4"	U
u	#6	13'-1"	U
v	#4	6'-0"	U
vi	#5	2'-8"	U

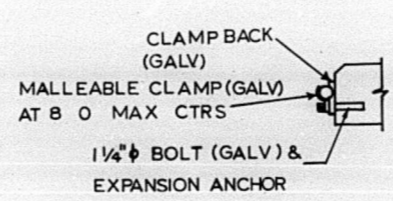
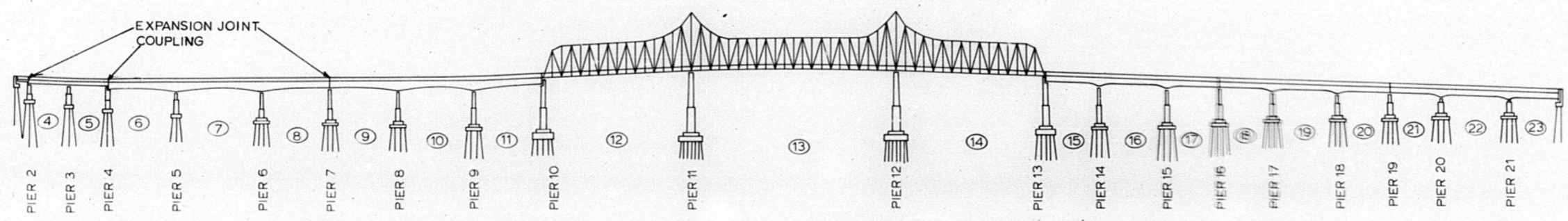
Item	Quantity	Unit
Test Pile 12" Conc.	1	Each
Class X Concrete	74.4	Cu. Yds.
Reinforcement Bars	4,530	Lbs.
Concrete Piles 12"	420	Lin. Ft.
Structure Excavation	152	Cu. Yds.
Concrete Removal	9.6	Cu. Yds.
Steel Sheet Piling	1,482	Sq. Ft.

WEST ABUTMENT

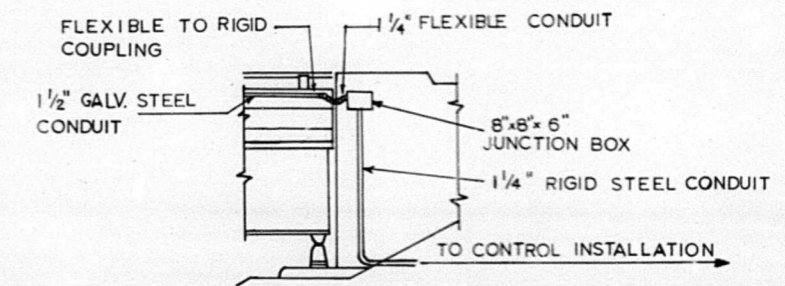
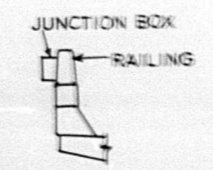
M^C CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 49 SEC. 11B-11-D
PEORIA & TAZEWELL COUNTIES

HANSON ENGINEERS INCORPORATED
74001
B-22-80

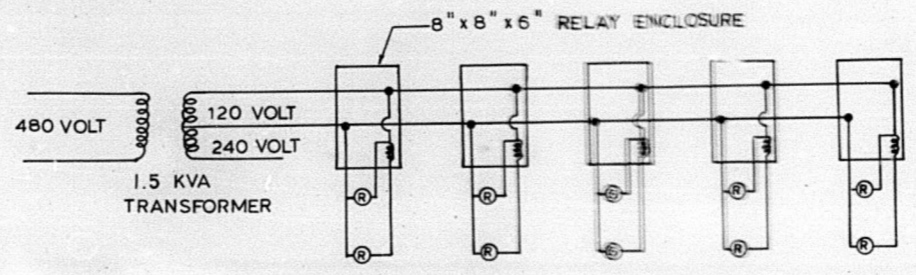
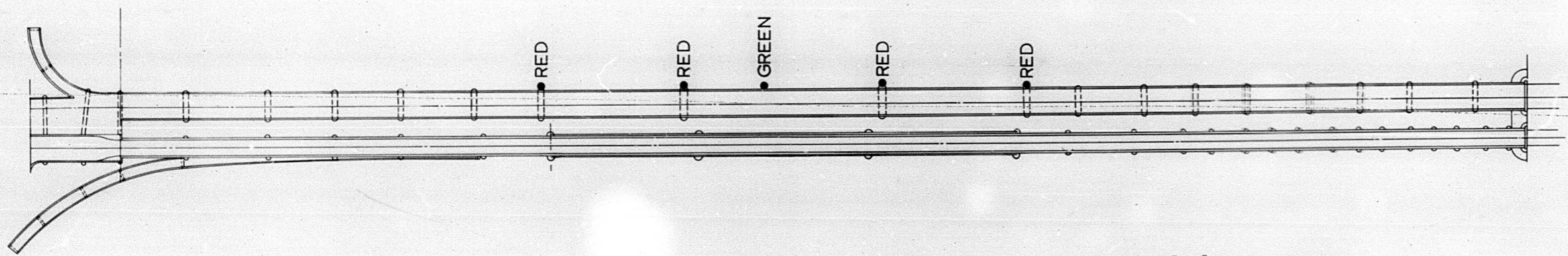
PROJECT	SECTION	COUNTY	TOTAL	NO.
FA 49	(15B-1)-D	PEORIA TAZEWELL	97	93
TO STA.				



TYPICAL SECTION THROUGH PARAPET



ABUTMENT DETAIL

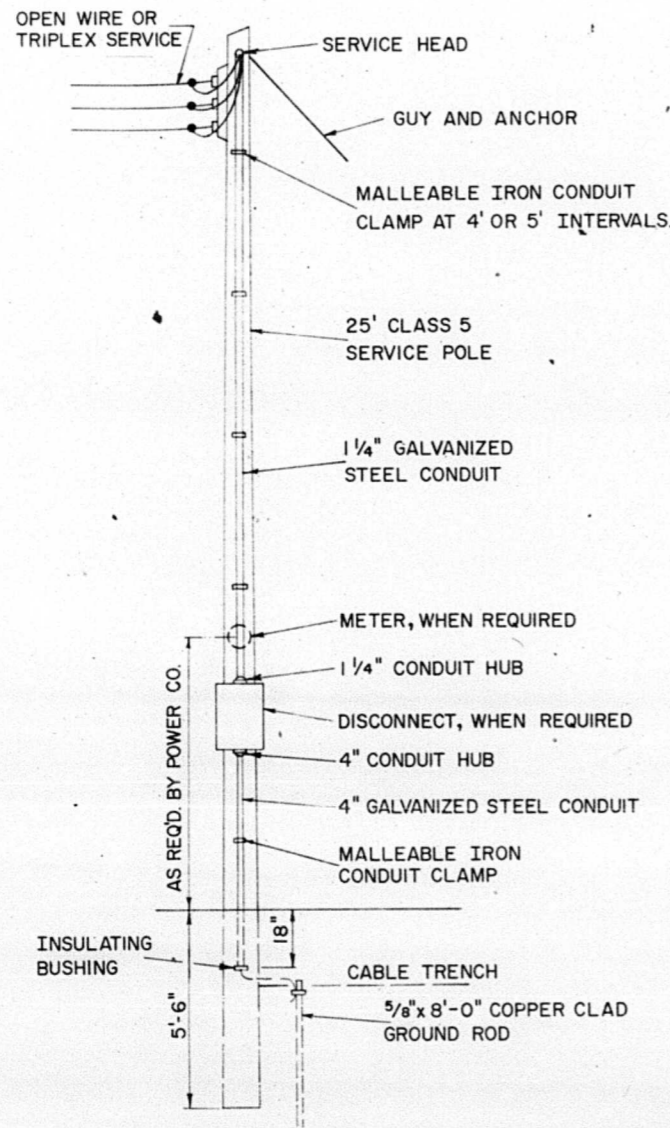


WIRING DIAGRAM

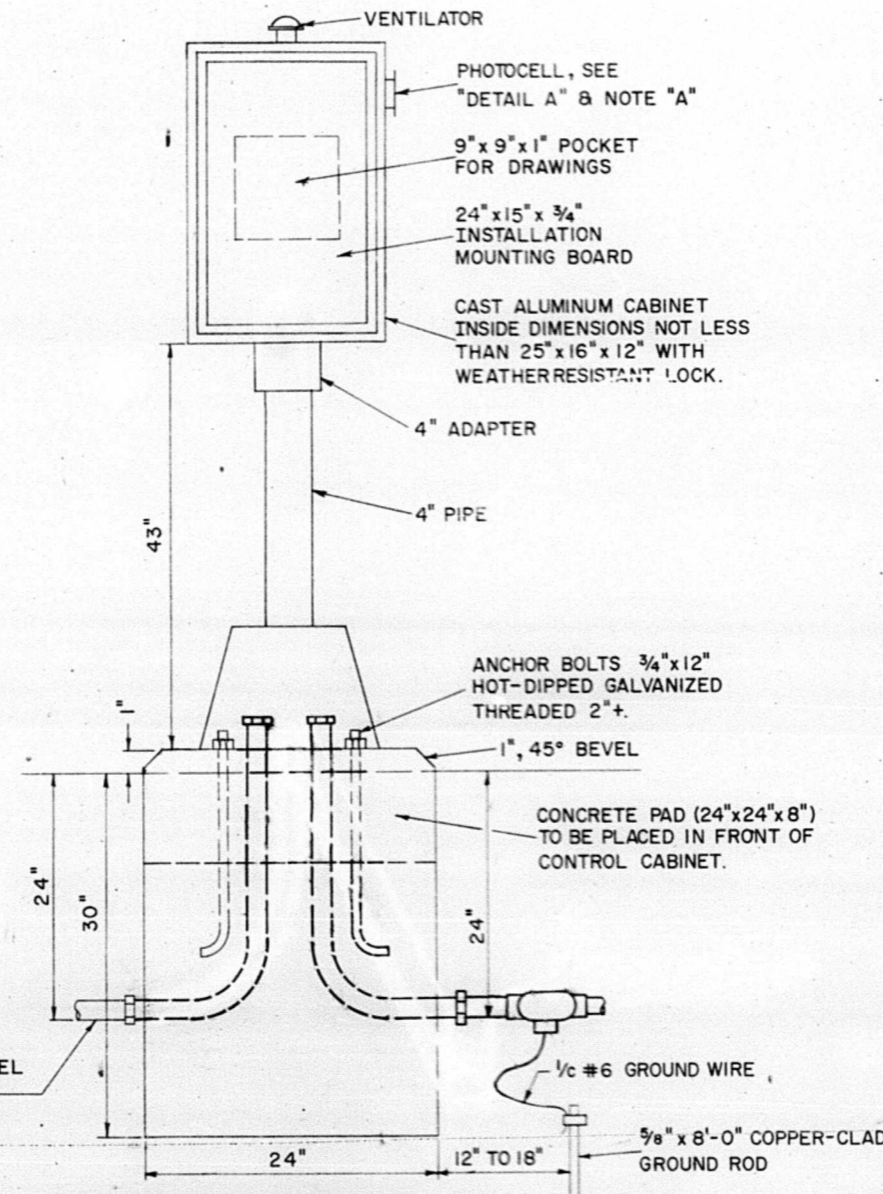
DETAIL
NAVIGATIONAL LIGHTS
F.A. ROUTE 49
SECTION 15B-1
PEORIA & TAZEWELL COUNTIES

ROUTE	SECTION	COUNTY	TOT. SHTS	SHEET #
FA 49	(15B-1)-D	PEORIA-TAZEWELL	97	94

SHEET #
SHEETS

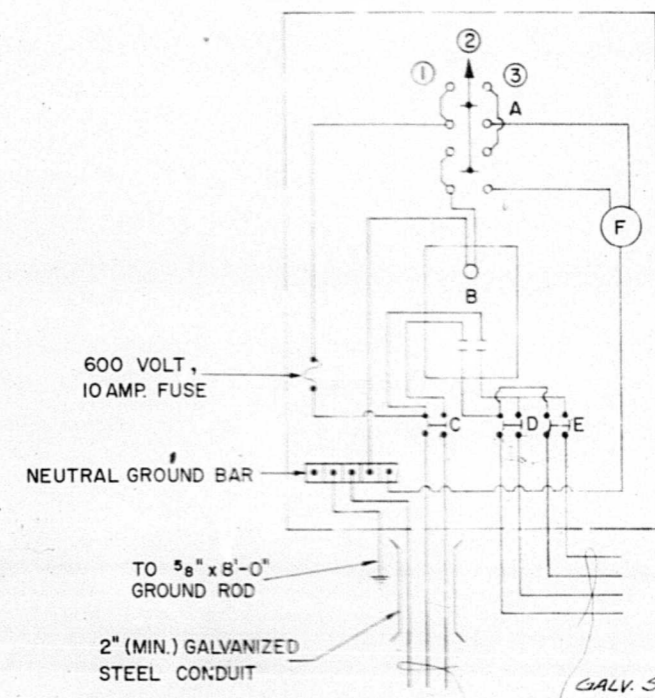


SERVICE POLE (WHEN REQ'D.)
LOCATE ADJACENT TO R.O.W. LINE



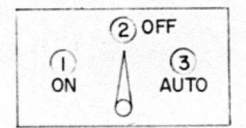
CONTROL INSTALLATION

TOP OF FOUNDATION



- A- SELECTOR SWITCH
- B- 2 POLE 30 AMP CONTACTOR
- C- 2 POLE 70 AMP BREAKER
- D, E- 2 POLE 15 AMP BREAKERS
- F- PHOTOCELL

A. SELECTOR SWITCH, THREE POSITION, DOUBLE POLE. MARK POSITIONS WITH METAL OR ENGRAVED PLASTIC NAME PLATE AS SHOWN.

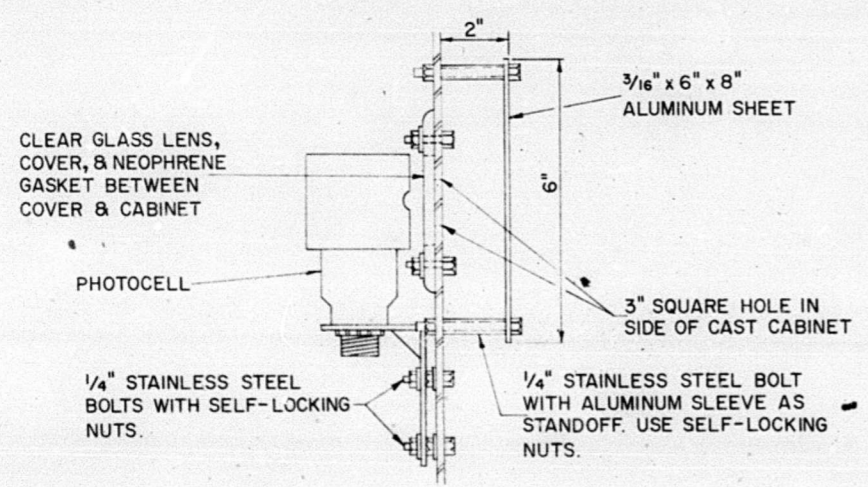


F PHOTOCELL
SEE DETAIL "A" & NOTE "A"

LIGHTING CIRCUITS 2-1/2" GALV. S. CONDUIT CONTAINING 2-1/2 #6 COPPER CONDUCTORS WITH 600 V. INSULATION

NOTE:
WIRING SHALL BE PANEL BOARD FASHION. ALL BENDS SHALL BE RIGHT ANGLES. ALL RUNS SHALL BE VERTICAL OR PARALLEL TO PANEL BOARD. WIRES SHALL BE GROUPED OR LACED.

WIRING DIAGRAM



DETAIL "A"

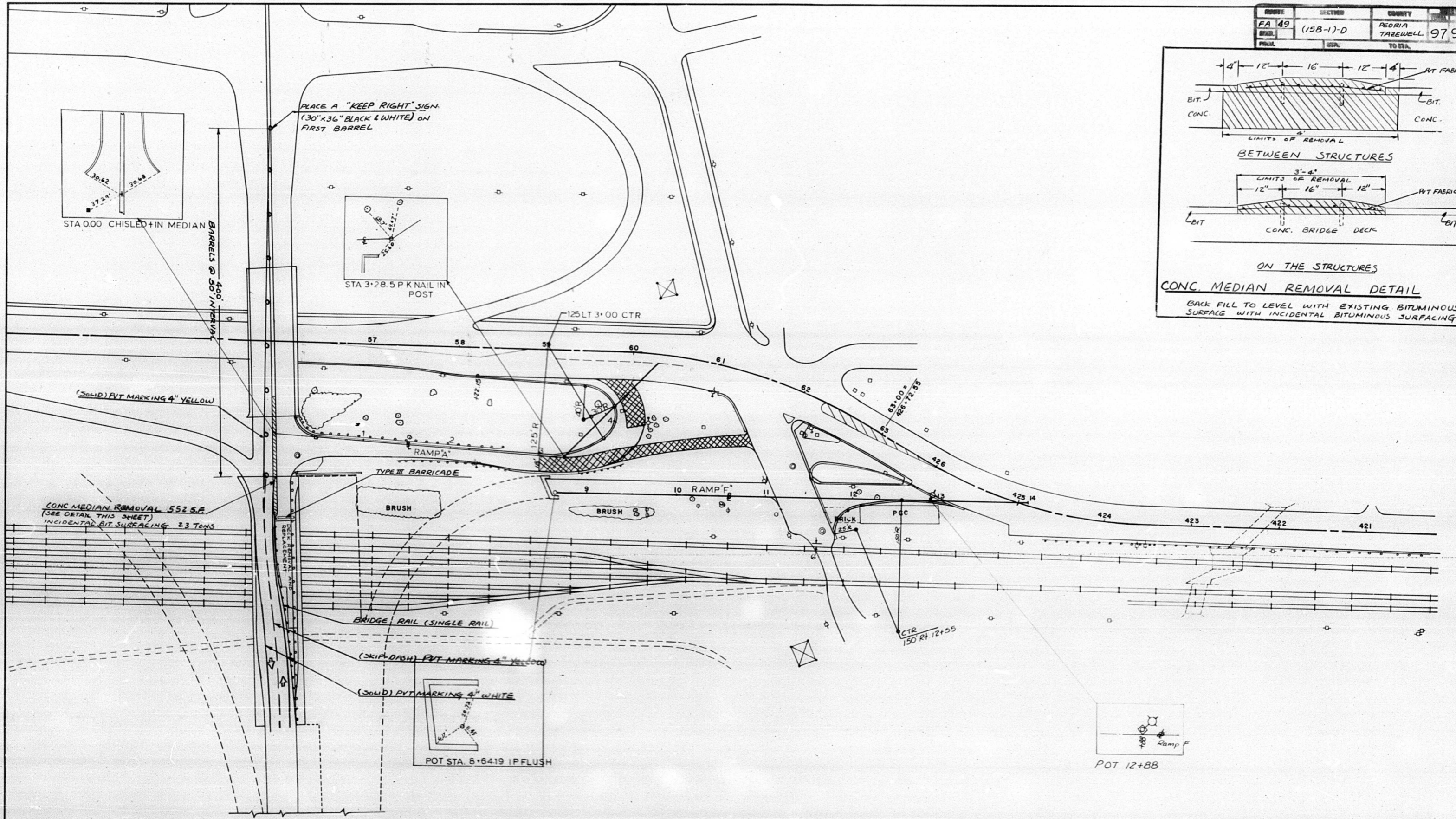
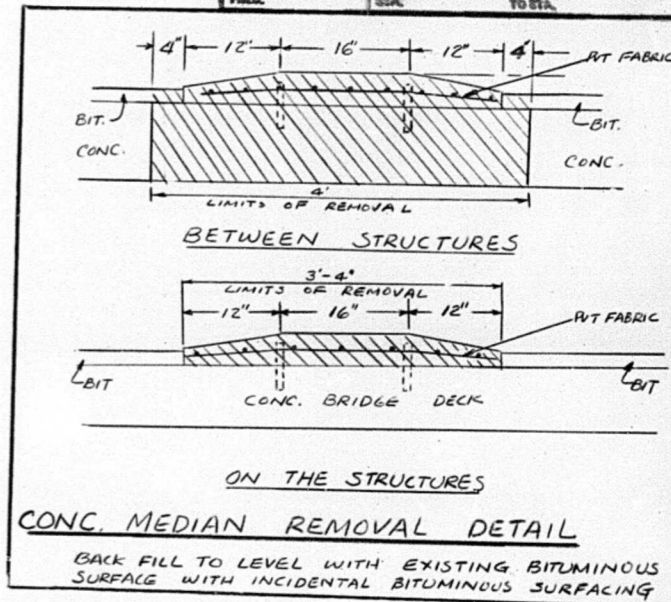
NOTE "A"
WHERE UNMETERED SERVICE IS PROVIDED BY THE POWER COMPANY, THE PHOTOCELL, RECEPT., & WINDOW COVER MAY BE OMITTED. THE CONTRACTOR SHALL FURNISH AND INSTALL 2-1/2 #12 AND AERIAL WIRE IF REQUIRED FROM THE CONTROL INSTALLATION TO THE POWER COMPANY'S PHOTOCELL CONTROL AND CONNECT PER WIRING DIAGRAM.

NOTE "B"
THE UNDERGROUND SERVICE SHALL BE 30 FT. MINIMUM AND 150 FT. MAXIMUM. TOTAL AERIAL & UNDERGROUND SERVICE BETWEEN THE CONTROL INSTALLATION AND PRIMARY TRANSFORMER SHALL BE 250 FT.

DRAWN BY	J.L.P.
FEBRUARY	16, 1979
3-28-80	J.L.P.
7-24-80	J.L.P.

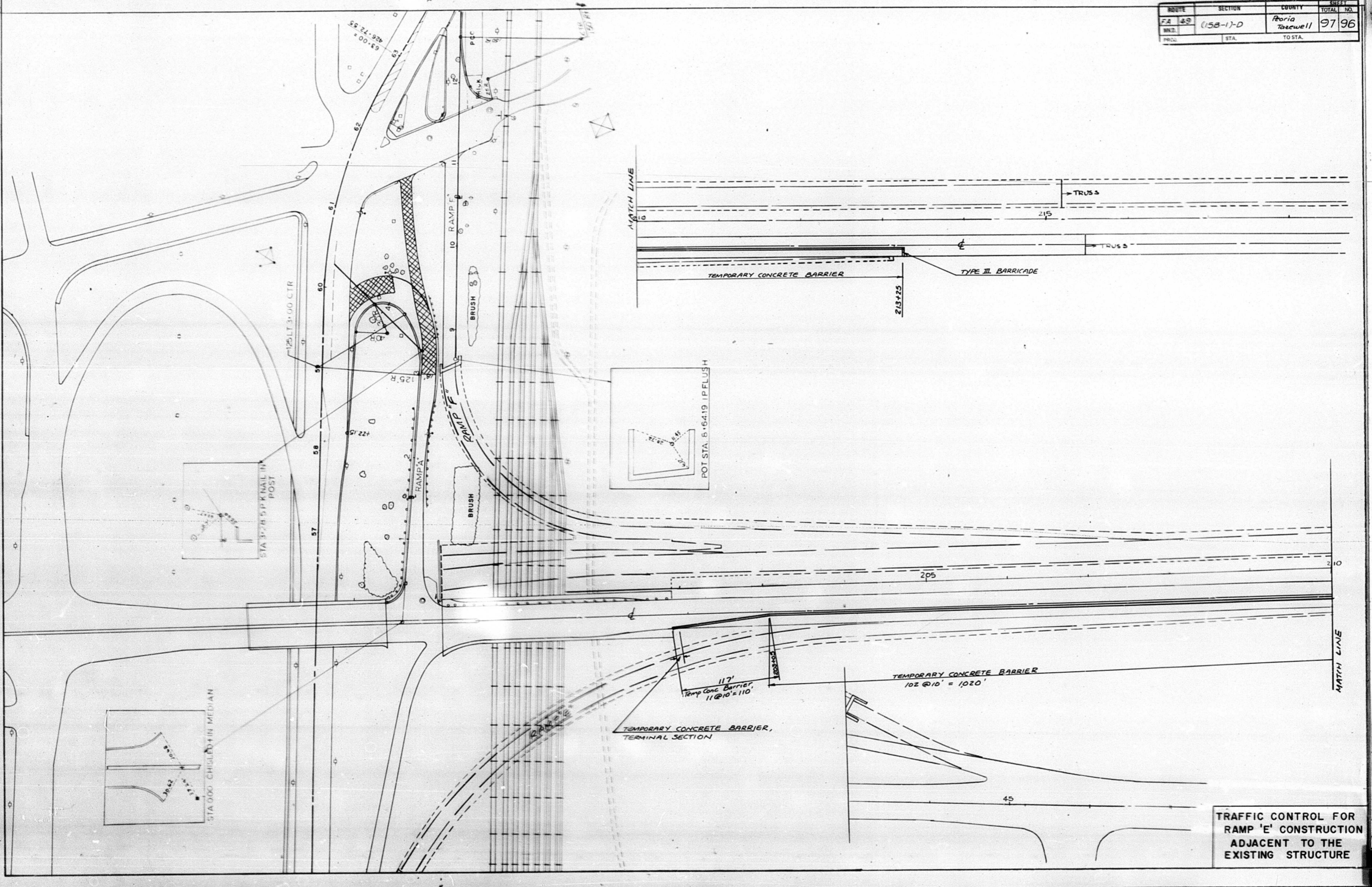
CONTROL INSTALLATION
TYPE CB-RCS-60-480

ROUTE	SECTION	COUNTY
FA 49	(15B-1)-D	PEORIA
BLK.		TAREWELL 97 95
FILE	SER.	TOTAL



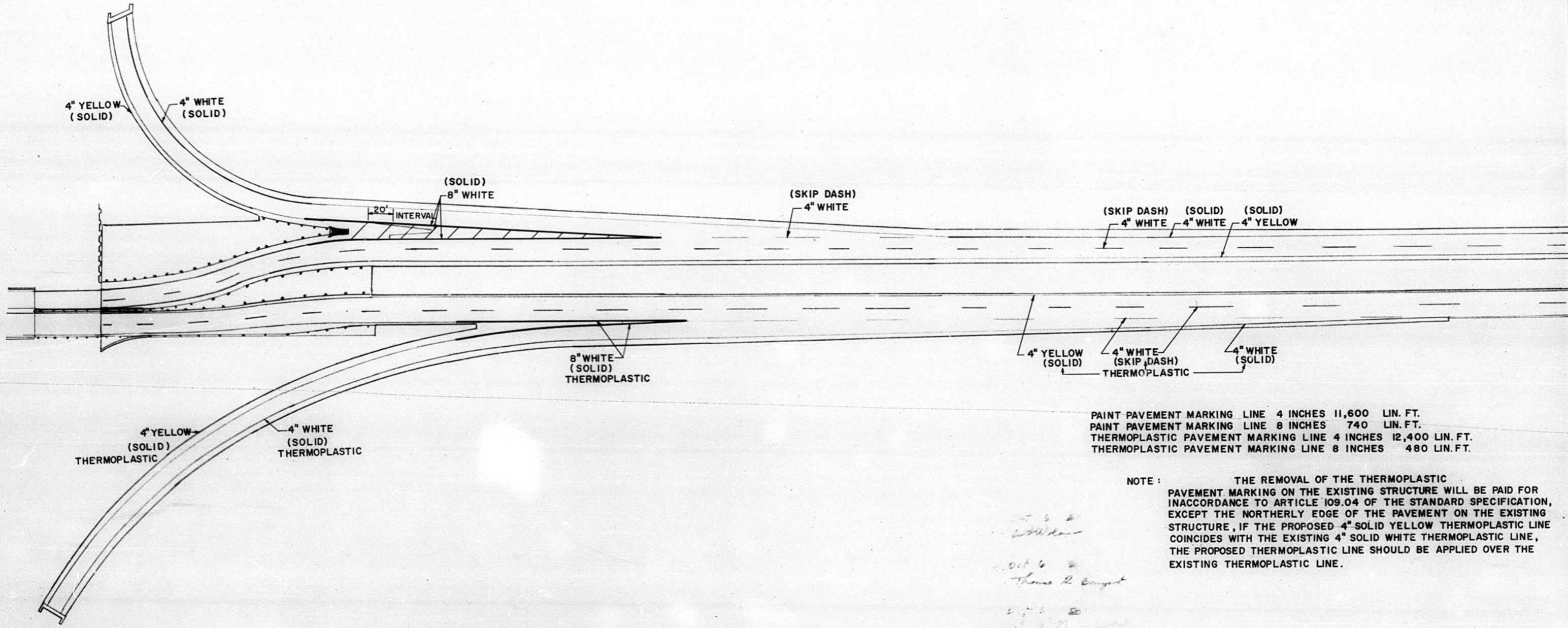
TRAFFIC CONTROL FOR EXISTING BRIDGE DECK REMOVAL AND REPLACEMENT

ROUTE	SECTION	COUNTY	SHEET
FA			TOTAL NO.
49	(158-1)-D	Peria Tazewell	97 96
WALD			
PRCL	STA.	TO STA.	



TRAFFIC CONTROL FOR
RAMP 'E' CONSTRUCTION
ADJACENT TO THE
EXISTING STRUCTURE

ROUTE	SECTION	COUNTY	SHEET	
FA 49	(15B-1)-D	PEORIA	TOTAL	NO.
PROJ.	STA.	TO STA.	97	97



PAINT PAVEMENT MARKING LINE 4 INCHES 11,600 LIN. FT.
 PAINT PAVEMENT MARKING LINE 8 INCHES 740 LIN. FT.
 THERMOPLASTIC PAVEMENT MARKING LINE 4 INCHES 12,400 LIN. FT.
 THERMOPLASTIC PAVEMENT MARKING LINE 8 INCHES 480 LIN. FT.

NOTE: THE REMOVAL OF THE THERMOPLASTIC PAVEMENT MARKING ON THE EXISTING STRUCTURE WILL BE PAID FOR IN ACCORDANCE TO ARTICLE 109.04 OF THE STANDARD SPECIFICATION, EXCEPT THE NORTHERLY EDGE OF THE PAVEMENT ON THE EXISTING STRUCTURE, IF THE PROPOSED 4" SOLID YELLOW THERMOPLASTIC LINE COINCIDES WITH THE EXISTING 4" SOLID WHITE THERMOPLASTIC LINE, THE PROPOSED THERMOPLASTIC LINE SHOULD BE APPLIED OVER THE EXISTING THERMOPLASTIC LINE.

Oct 6
Thomas R. Knight
1971

PAVEMENT MARKING
 DETAIL