BOND ISSUE ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
SBI 121	103 B-I-1	PEORIA TAZEWELL	39	1
F.A.P. REG. NO. 4	ILLINOIS	PROJECT		

P-94-134-66

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

PLANS FOR PROPOSED
STATE BOND ISSUE HIGHWAY

SCALE IN FEET

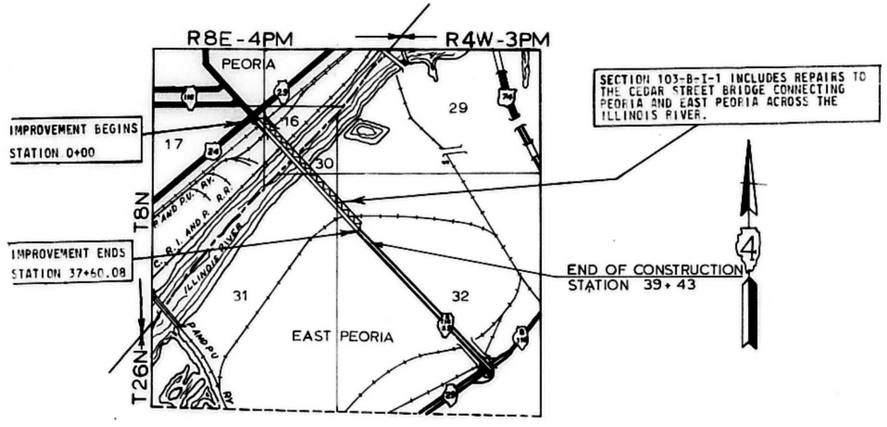
PLAN 0 100 200 — PROFILE VERT. 0 10 20

PROFILE HOR. 0 100 200 — CROSS-SECTIONS 0 5 10

S.B.I. ROUTE 121
SECTION 103-B-I-1
PEORIA-TAZEWELL COUNTY

C-94-311-68

INDEX OF SHEETS



LAYOUT
SCALE : 3" = 1 MILE

NET LENGTH OF IMPROVEMENT = 3760.08 FT. = 0.712 MI.

LOCATION OF SECTION INDICATED THUS:-

SUBMITTED April 22, 1968 — Elio Sjau, DIST. DESIGN ENGR.

EXAMINED April 19, 1968 — DIST. CONST. ENGR.

EXAMINED April 22, 1968 — DIST. MAINT. ENGR.

EXAMINED — DIST. TRAFFIC ENGR.

Entire section inspected and approved as to policy

DATE 4-22-68 — J.E. Harland, DISTRICT ENGINEER

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

SUBMITTED 4-22-68 — J.E. Harland, DISTRICT ENGINEER

EXAMINED 5-3-68 — D. Wm. Arnold, ENGINEER OF ROAD PLANS AND CONTRACTS

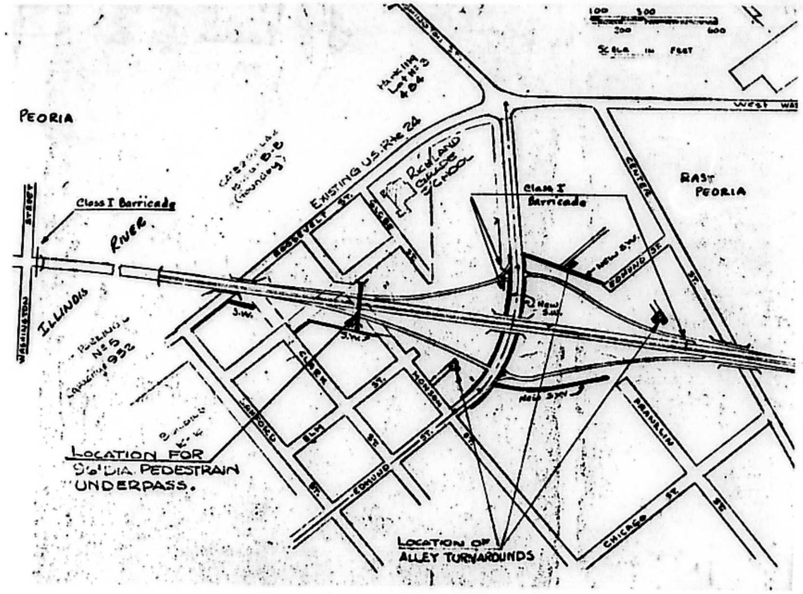
PASSED 5-3-68 — H.E. Baumann, ENGINEER OF DESIGN

APPROVED 5-3-68 — CHIEF HIGHWAY ENGINEER

APPROVED 5-3-68 — Lawrence A. Kreeger, DIRECTOR

CONTRACT NO. 25647

REVISED SET 6/19/69



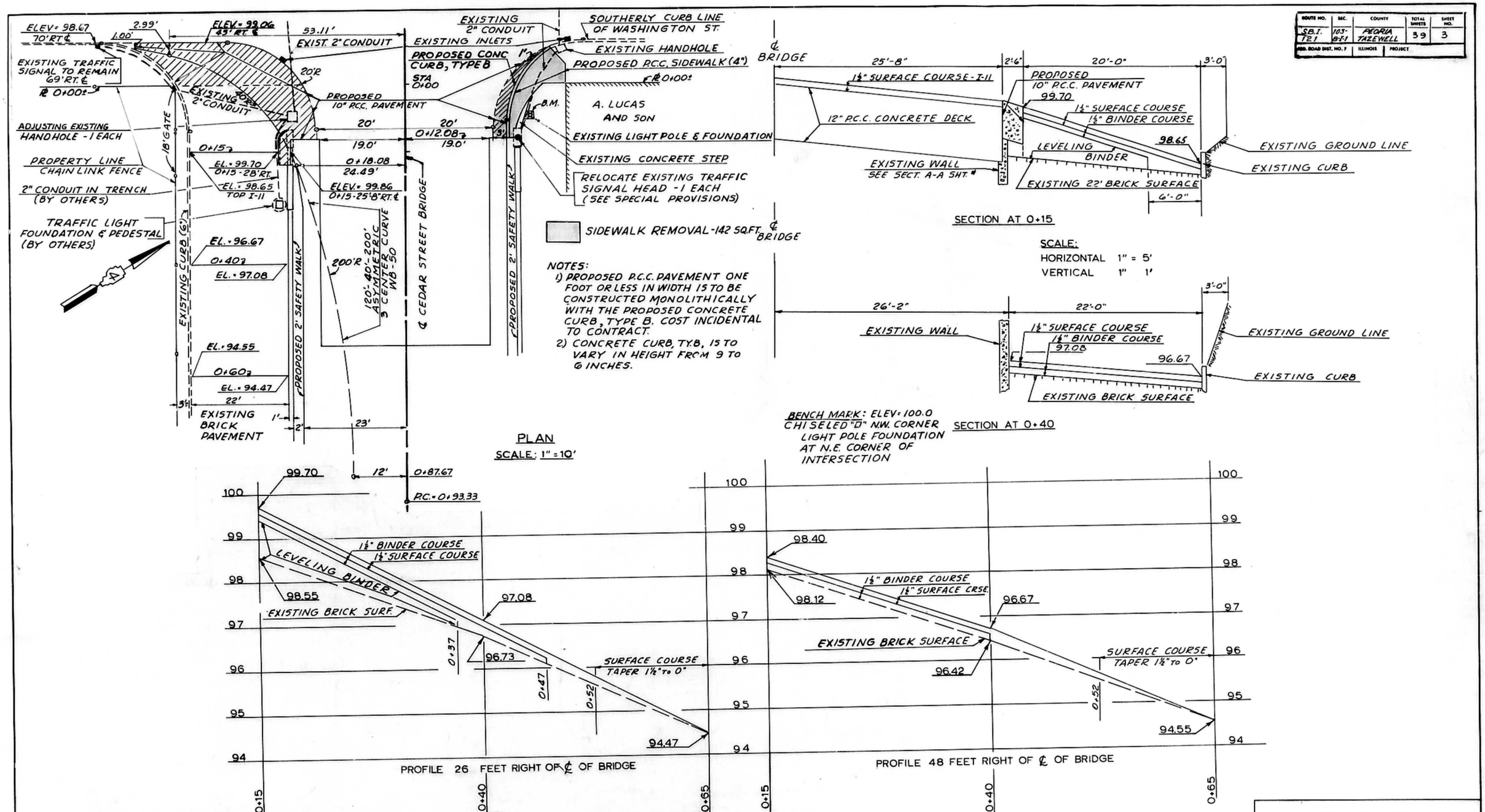
SUMMARY OF QUANTITIES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
SBI. 121	103 B-I-1	PEORIA TAZEWELL	39	2

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	CONSTRUCTION TYPE CODE		X0325
406005	LEVELING BINDER (MACHINE METHOD)	TON	20
406006	LEVELING BINDER (HAND METHOD)	TON	5
406007	BITUMINOUS CONCRETE BINDER COURSE	TON	10
406008	BITUMINOUS CONCRETE SURFACE COURSE, CLASS I	TON	151
408005	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	102
408013	PAVEMENT FABRIC	SQ YD	102
501022	CONCRETE REMOVAL	CU YD	7
501035	BRIDGE HANDRAIL REMOVAL	LIN FT	7494
503004	PROTECTIVE COAT	SQ YD	14500
504003	CLASS X CONCRETE	CU YD	4010.9
504006	CEMENT FOR GUNITING	SACKS	145
507001	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	208010
508006	ALUMINUM RAILING, TYPE L	LIN FT	7446
512001	REINFORCEMENT BARS	POUND	995500
612165	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2
X61251	ADJUSTING EXISTING HANDHOLE	EACH	1
615003	FILLING EXISTING INLETS	EACH	2
616006	CONCRETE CURB, TYPE B	LIN FT	140
616059	COMBINATION CONCRETE CURB AND GUTTER TYPE B-9.24	LIN FT	93
617001	PAVEMENT REMOVAL	SQ YD	46
617003	CURB REMOVAL	LIN FT	116
617005	COMBINATION CURB AND GUTTER REMOVAL	LIN FT	93
617006	SIDEWALK REMOVAL	SQ FT	668
617008	BITUMINOUS CONCRETE SURFACE REMOVAL	SQ YD	159
624002	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	374
628015	TEMPORARY GUARDRAIL	LIN FT	2120
646001	ENGINEER'S FIELD OFFICE, TYPE A	EACH	1 *
Z10029	BRIDGE SEAT SEALANT	L SUM	1
Z10253	JACKING AND CRIBBING	EACH	9
X03646	DECK REMOVAL	CU YD	2144.6
X03647	SIDEWALK REMOVAL	CU YD	482
X03648	CLASS X CONCRETE (DECK-FULL DEPTH PATCH)	CU YD	29.7
X03649	DECK REMOVAL (FULL DEPTH PATCH)	CU YD	29.7
541001	RELOCATE EXISTING TRAFFIC SIGNAL HEAD	EACH	1
L00054	CONDUIT ATTACHED TO STRUCTURE, 1 1/4" DIA., GALVANIZED STEEL	LIN FT	150
L05E90	ALUMINUM TRANSFORMER BASE	EACH	28
L02733	RELOCATING EXISTING LIGHTING UNITS, COMPLETE	EACH	28
106035	ELECTRIC CABLE IN CONDUIT, 600V (NEOPPRENE-RUBBER INSULATED) 1/C #12	LIN FT	350
106038	ELECTRIC CABLE IN CONDUIT, 600V (NEOPRENE-RUBBER INSULATED) 1/C #6	LIN FT	14100
507025	STUD SHEAR CONNECTORS	EACH	58512
L04947	NAVIGATION LIGHTING SYSTEM	L SUM	1

* CONSTRUCTION TYPE CODE CE 58

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121	103-B-I-1	PEORIA TAZEWELL	39	3
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



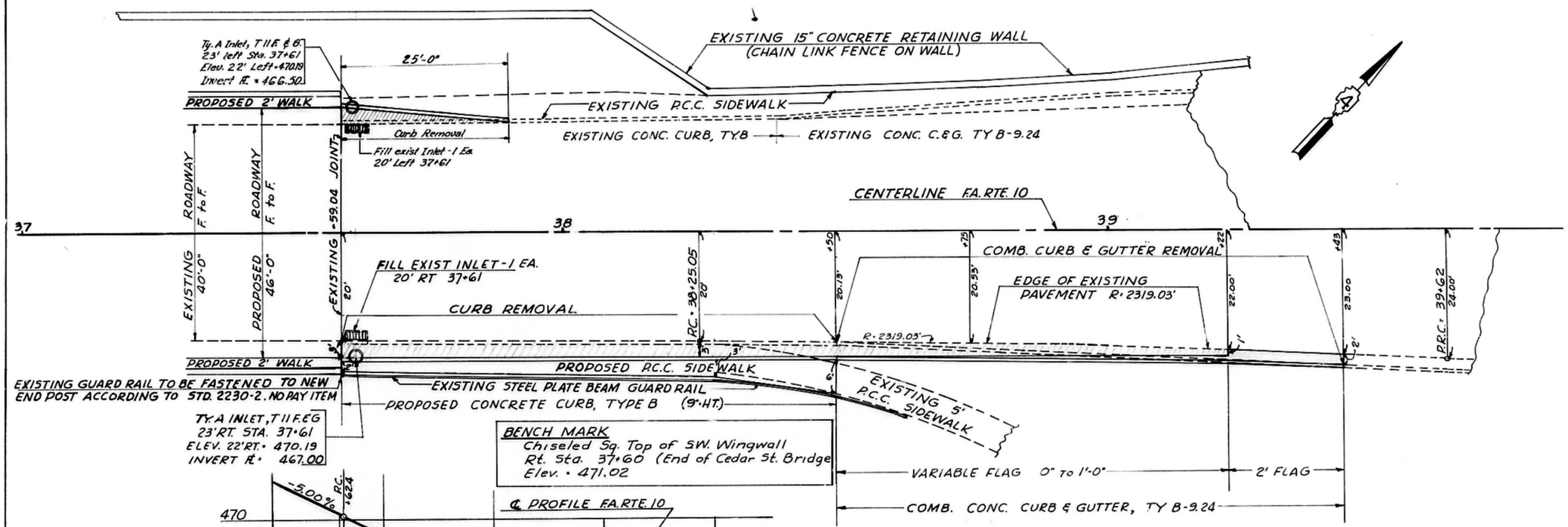
QUANTITIES ON THIS SHEET

PAVEMENT REMOVAL		46 SQ.YD.
PORTLAND CEMENT CONCRETE PAVEMENT (10")		50 SQ.YD.
LEVELING BINDER (MACHINE METHOD)		20 TON
BITUMINOUS CONCRETE BINDER COURSE		10 TON
BITUMINOUS CONCRETE SURFACE COURSE,	CLASS I	13 TON
PAVEMENT FABRIC		50 SQ.YD.
LEVELING BINDER (HAND METHOD)		5 TON
SIDEWALK REMOVAL		142 SQ.FT.
PORTLAND CEMENT CONCRETE SIDEWALK		4 INCH = 92 SQ.FT.
CONCRETE CURB, TY. B		24 LIN.FT.
ADJUSTING EXISTING HANDHOLE		1 EA.
RELOCATE EXISTING TRAFFIC SIGNAL HEAD		1 EA.

INTERSECTION DETAILS
WASHINGTON AND CEDAR ST.
BRIDGE
S.B.I. 121 SECTION 103-B-I-1
PEORIA AND TAZEWELL CO.

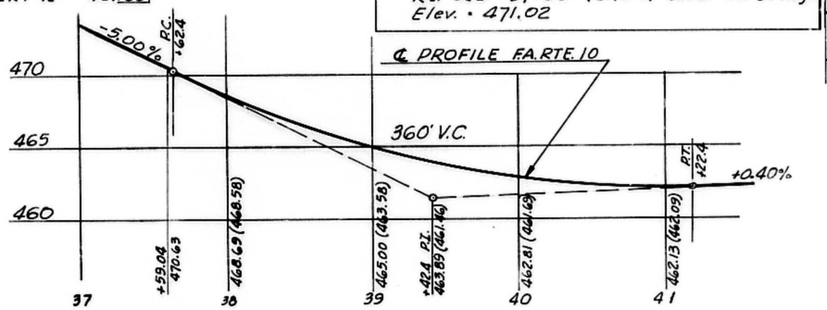
REV. 10-25-68

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
SBI 121	103 B-I-1	PEORIA-TAZEWELL	39	4
FED. ROAD DIST. NO. 7	ILLINOIS PROJECT			



PLAN

SCALE: 1" = 10'



PROFILE

SCALE: HORIZ. 1" = 50'
VERT. 1" = 5'

QUANTITIES ON THIS SHEET

PORTLAND CEMENT CONCRETE PAVEMENT (10")	---	52 SQ. YD.
PAVEMENT FABRIC	---	52 SQ. YD.
INLETS, TYPE A, TYPE 11 FRAME AND GRATE	---	2 EACH
FILLING EXISTING INLETS	---	2 EACH
CONCRETE CURB, TYPE B	---	116 LIN. FT.
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24	---	93 LIN. FT.
CURB REMOVAL	---	116 LIN. FT.
COMBINATION CURB AND GUTTER REMOVAL	---	93 LIN. FT.
SIDEWALK REMOVAL	---	526 SQ. FT.
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	---	272 SQ. FT.

CONSTRUCTION DETAILS

STA. 37+59.04 TO STA. 39+43

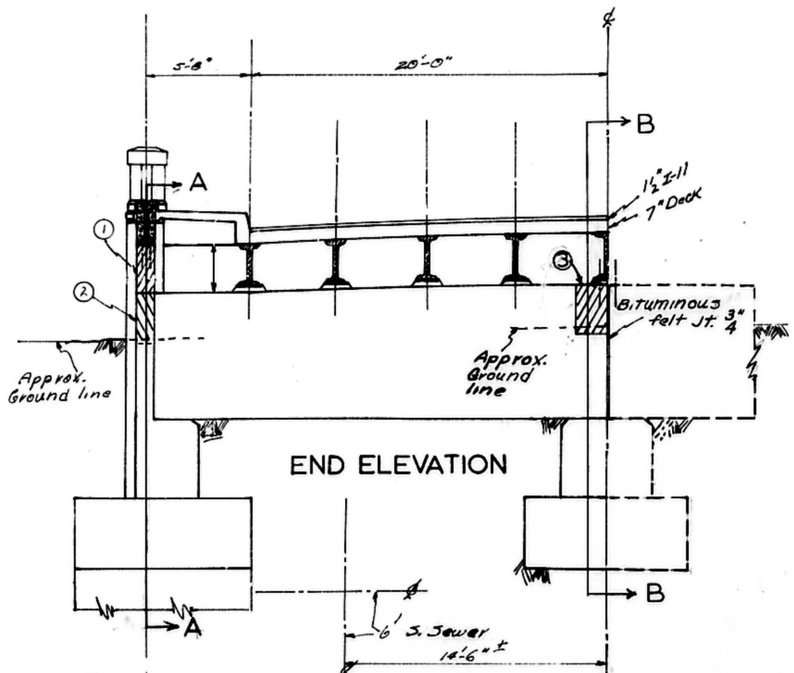
EAST PEORIA END OF

CEDAR ST. BRIDGE

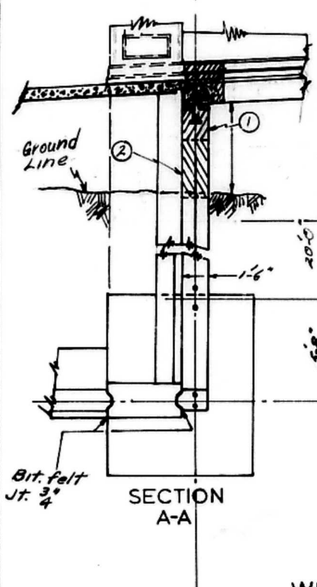
SBI 121 SEC. 103-B-I-1

PEORIA & TAZEWELL COUNTIES

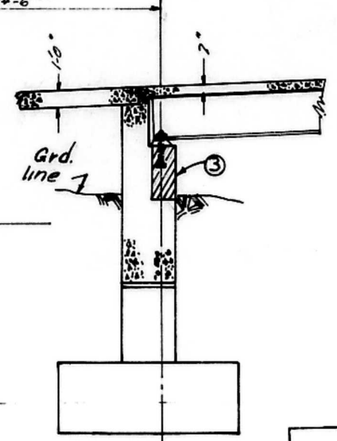
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121	103-B1-1	PEORIA TAZEWELL	39	5
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



END ELEVATION



SECTION A-A



SECTION B-B
SCALE 1"=4'

WEST ABUTMENT
STA. 0+59.83

WEST ABUTMENT

CONCRETE REMOVAL = 1.2 CU YD
CLASS X CONCRETE = 1.2 CU YD

NORTH SIDE - REMOVE AND REPLACE SHADED AREAS SHOWN AS (1) AND (2) IN SECTION A-A

SOUTH SIDE - REMOVE AND REPLACE SHADED AREA SHOWN (1) IN SECTION A-A

CENTER OF PIER CAP - REMOVE AND REPLACE SHADED AREA SHOWN AS (3) ON SOUTH SIDE OF BITUMINOUS JOINT.

CRIBBING AND JACKING - 3 EACH

NORTH SIDE - CRIBBING AND JACKING (6'±)

SOUTH SIDE - CRIBBING AND JACKING (6'±)

CENTER OF PIER CAP - CRIBBING AND JACKING (4'±)

BENTS 1,2,4,5, AND 6

CONCRETE REMOVAL = 1.8 CU. YDS.
CLASS X CONCRETE = 1.8 CU. YDS.

BENT 1 - NORTH AND SOUTH CANTILEVER ENDS REMOVE AND REPLACE AS SHOWN IN TYPICAL SECTION.

CRIBBING AND JACKING - 4 EACH - 2 EACH AT SOUTH AND NORTH CANTILEVER BENT # 1 - (2 @ 11'±) (2 @ 10'±)

GUNITING REPAIRS

BENT 2 - AT BASE OF SOUTH COLUMN - 1 CU FT

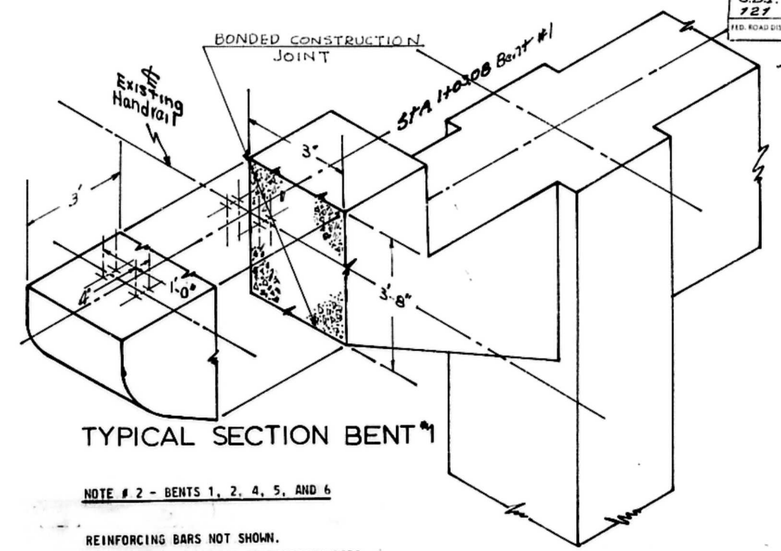
BENT 4 - BOTTOM OF PIER CAP AND SOUTH CANTILEVER - 2 CU. FT.

BENT 5 - BOTTOM OF PIER CAP AND BASE OF SOUTH COLUMN - 12 CU. FT.

BENT 6 - BASE OF BOTH NORTH AND SOUTH COLUMNS - 15 CU. FT.

QUANTITIES ON THIS SHEET

CLASS X CONCRETE	= 3.0 CU. YDS.
CEMENT FOR GUNITING	= 15 SACKS
JACKING AND CRIBBING	= 7 EACH
CONCRETE REMOVAL	= 3.0 CU. YDS.



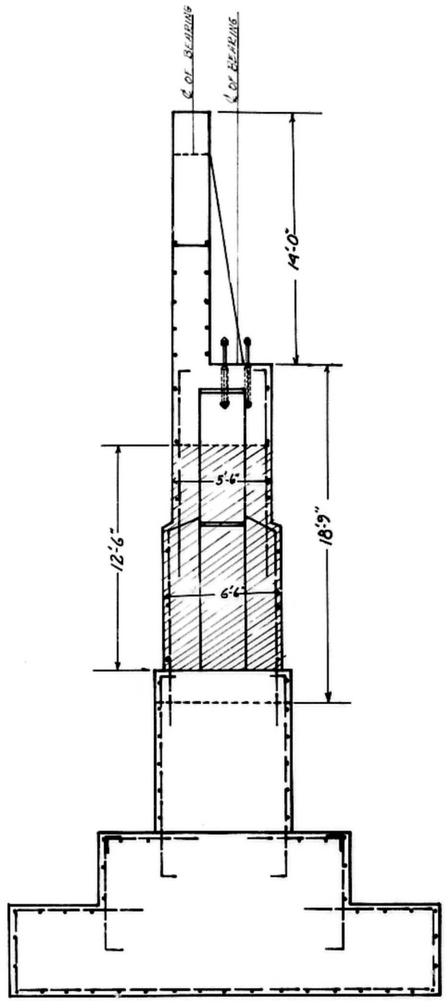
TYPICAL SECTION BENT #1

NOTE # 2 - BENTS 1, 2, 4, 5, AND 6

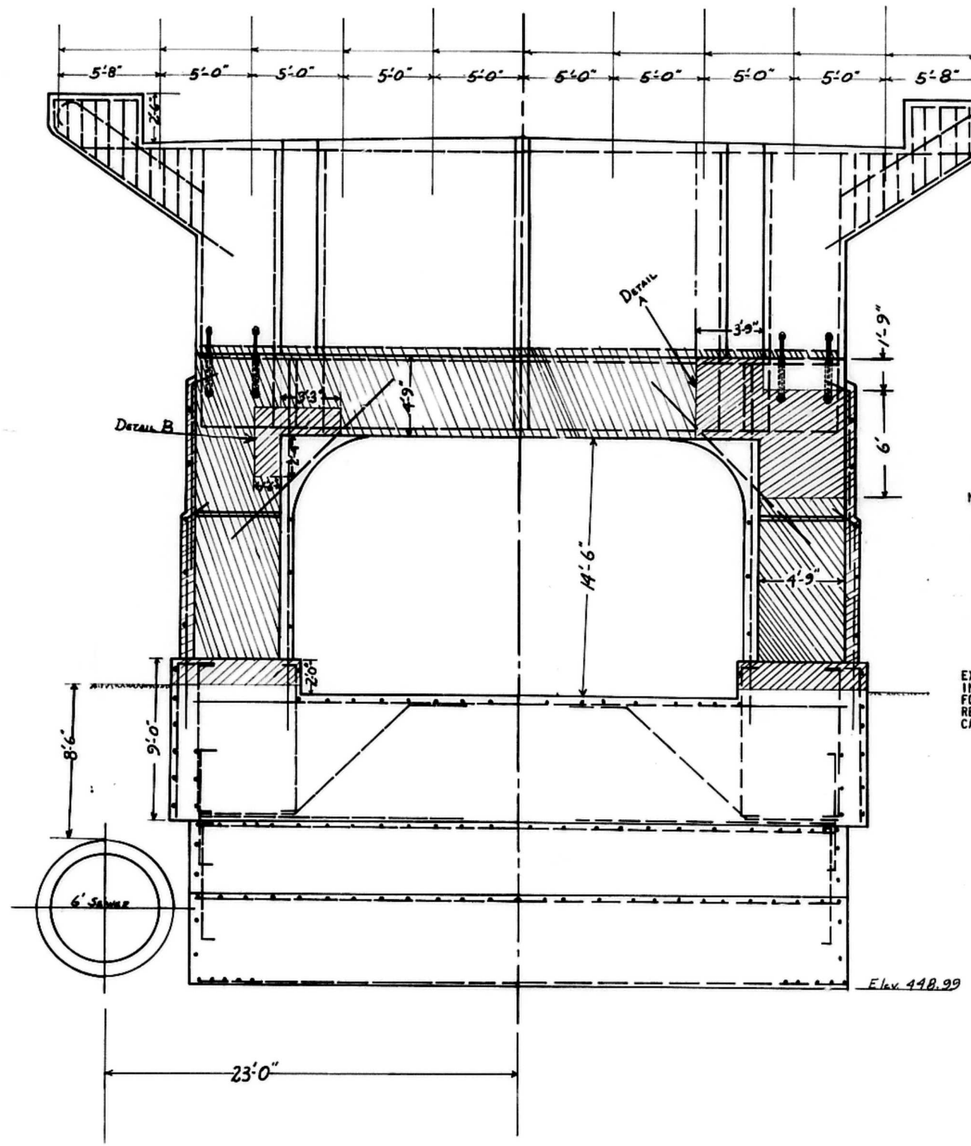
REINFORCING BARS NOT SHOWN.
CLEAN AND REUSE EXISTING REINFORCING BARS.
DO NOT REMOVE EXISTING ANCHOR BOLTS FROM HANDRAIL.

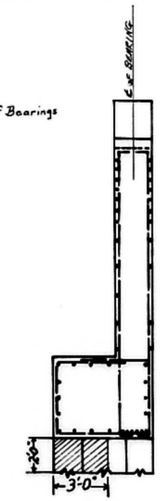
CEDAR ST. BRIDGE
DETAILS FOR GUNITING
WEST ABUTMENT
TO BENT NO. 6

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121	103-B-2-1	PEORIA TAZEWELL	39	6
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

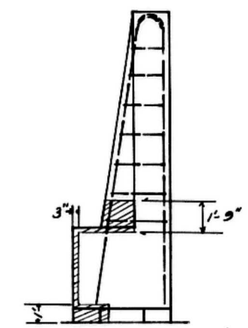


END VIEW





DETAIL B



DETAIL A

NOTES:

AREA OF 1 TO 3 INCH GUNITING DEPTH = 21 SACKS

AREA OF 1 INCH OR LESS GUNITING DEPTH = 32 SACKS

TOTAL = 53 SACKS

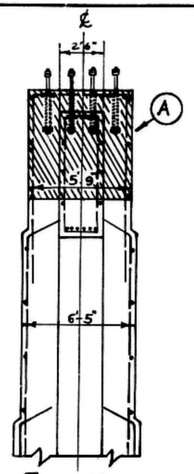
EXISTING REINFORCING BARS SHALL BE REUSED. IF IN THE OPINION OF THE ENGINEER, EXISTING REINFORCING BARS ARE NOT USABLE, THEY SHALL BE REPLACED IN ACCORDANCE WITH STANDARD SPECIFICATIONS

QUANTITIES THIS SHEET

CEMENT FOR GUNITING - 53 SACKS

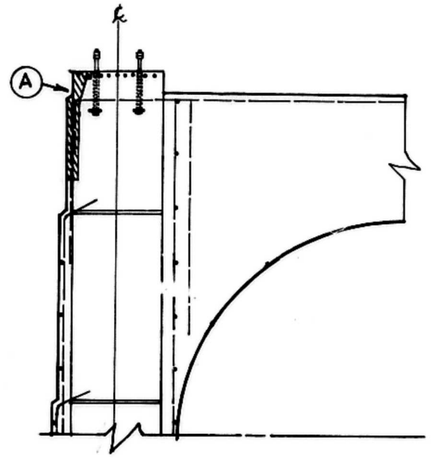
CEDAR STREET BRIDGE
PIER 1 - STA. 3+66.83
SPECIAL DETAIL FOR GUNITING

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I 121	103-B-1	PEORIA TAZEWELL	39	7
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

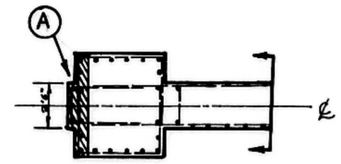


END VIEW

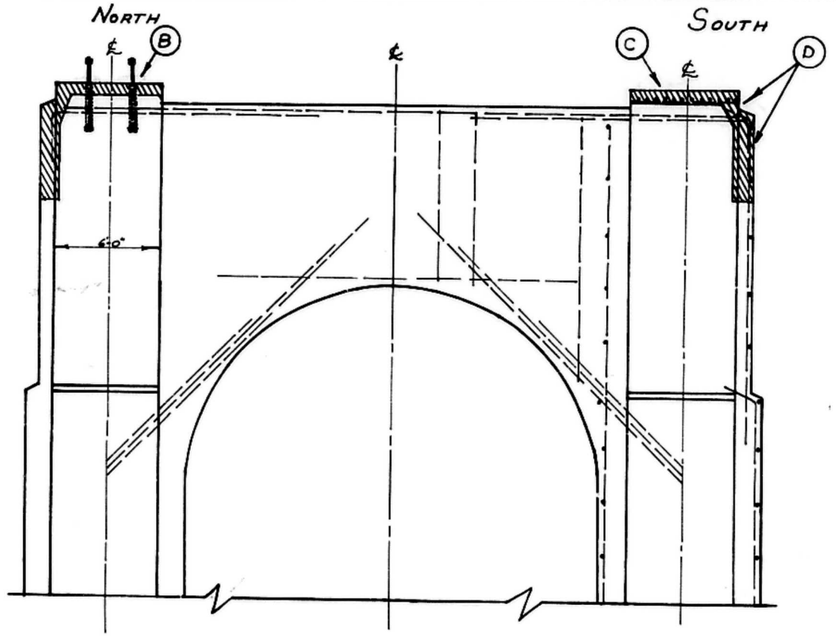
PIER 4



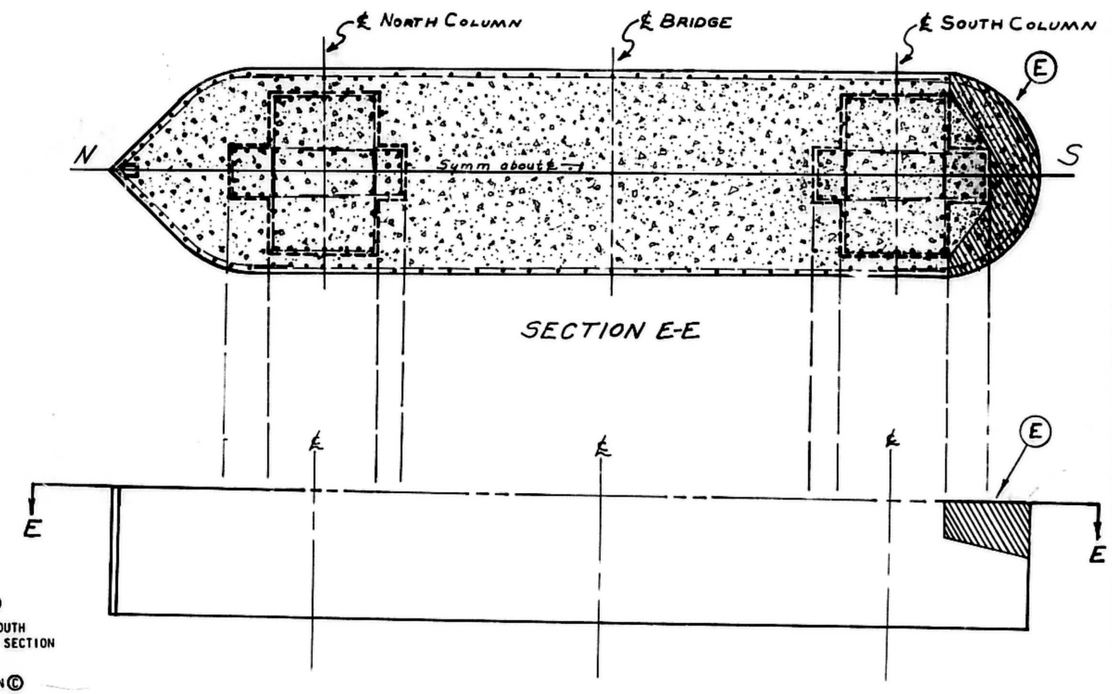
ELEVATION



TOP VIEW



PIERS 5, 6, 9, 10, AND 11, TYPICAL SECTION REMOVAL



SECTION E-E

PIER 9 SHOWN, PIERS 11 THROUGH 15 SIMILIAR

GUNITING REPAIRS

PIER 4 - 5 FT³ TOP OF SOUTH COLUMN SHOWN AS (A)

PIER 5 - 15 FT³ - TOP AND SIDE OF NORTH AND SOUTH COLUMNS AS SHOWN (B) TYPICAL SECTION REMOVAL

PIER 6 - 10 FT³ - TOP OF SOUTH COLUMN AS SHOWN (C)

PIER 9 - 10 FT³ - TOP OF SOUTH COLUMN AS SHOWN (C)

PIER 10 - 5 FT³ - INSIDE NORTH COLUMN NEAR GROUND LINE. (NOT SHOWN)

PIER 11 - 15 FT³ - TOP AND SIDE SOUTH COLUMN AS SHOWN (C) & (D)

CLASS X CONCRETE AND CONCRETE REMOVAL

PIER 9 - 1.0 CU. YD. SOUTH END BOTTOM CROSS BEAM AS SHOWN (E)

PIER 11, 12, 14, 15 - 3.0 CU. YD. - SOUTH ENDS BOTTOM CROSS BEAM AS SHOWN (E)

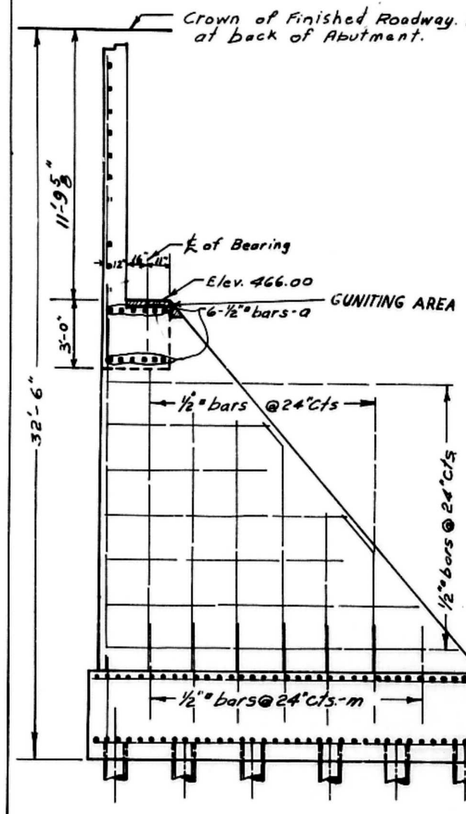
QUANTITIES ON THIS SHEET

CLASS X CONCRETE	= 4.0 CU. YD.
CEMENT FOR GUNITING	= 67 SACKS
CONCRETE REMOVAL	= 4.0 CU. YD.

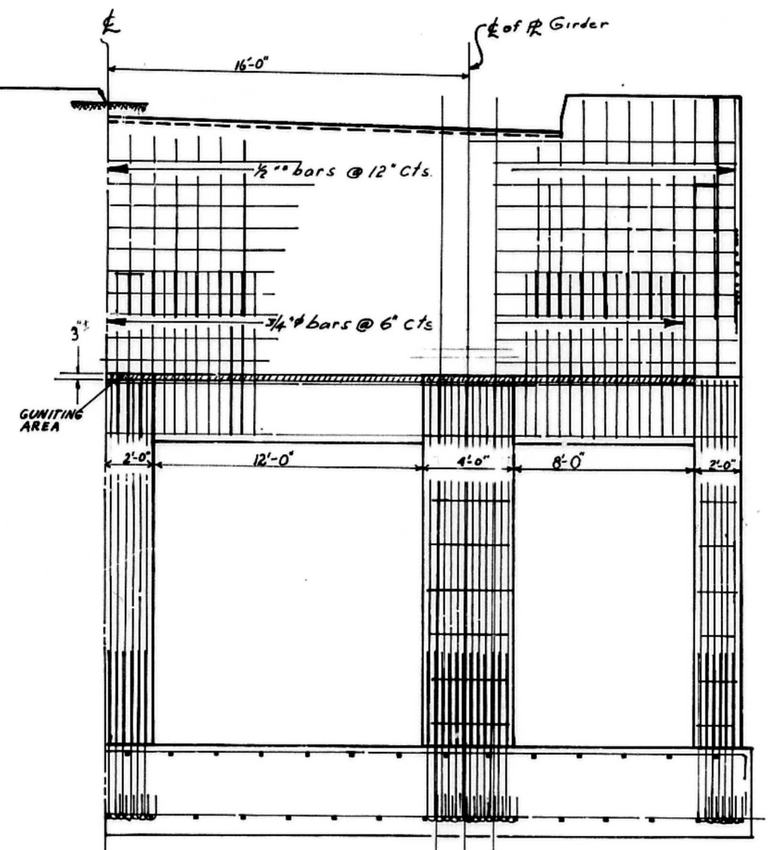
CEDAR STREET BRIDGE
DETAILS FOR GUNITING AT PIERS

PIER	STATION
4	7+54.75
5	9+21.75
6	10+88.75
9	17+97.25
10	19+64.25
11	21+31.25
12	22+97.00
14	23+85.17
15	25+19.17

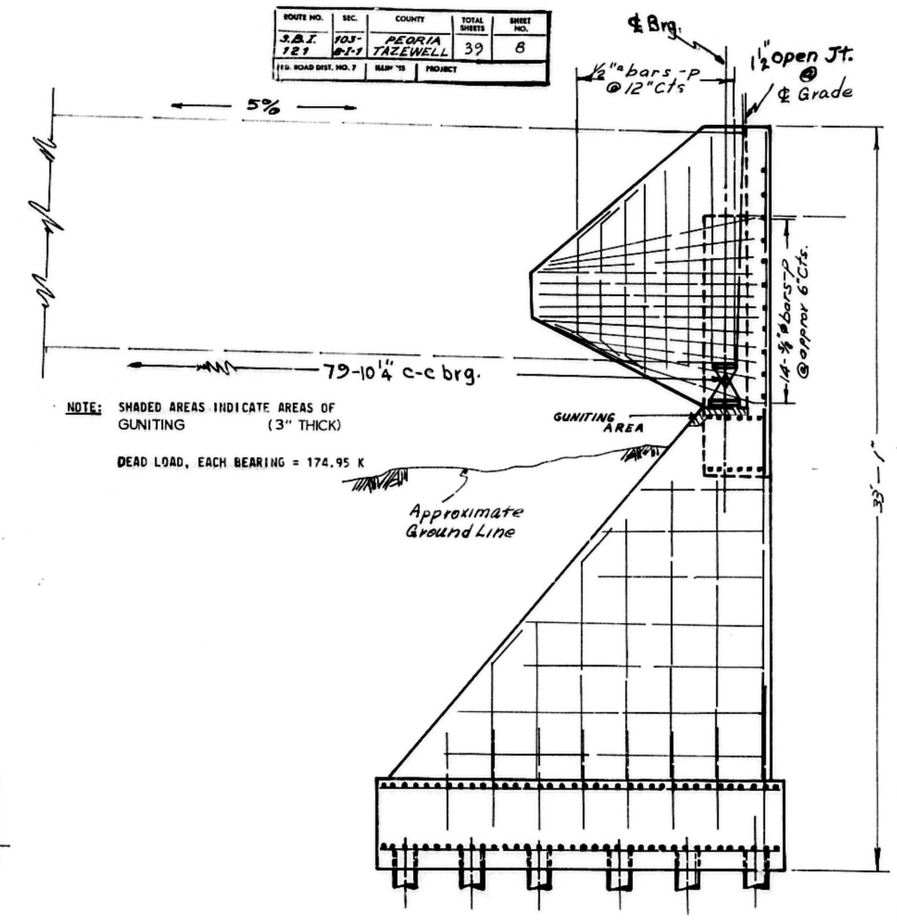
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121	103-B-1-1	PEORIA TAZEWELL	39	8
ILL. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



SECTION AT ℄



HALF FRONT ELEVATION

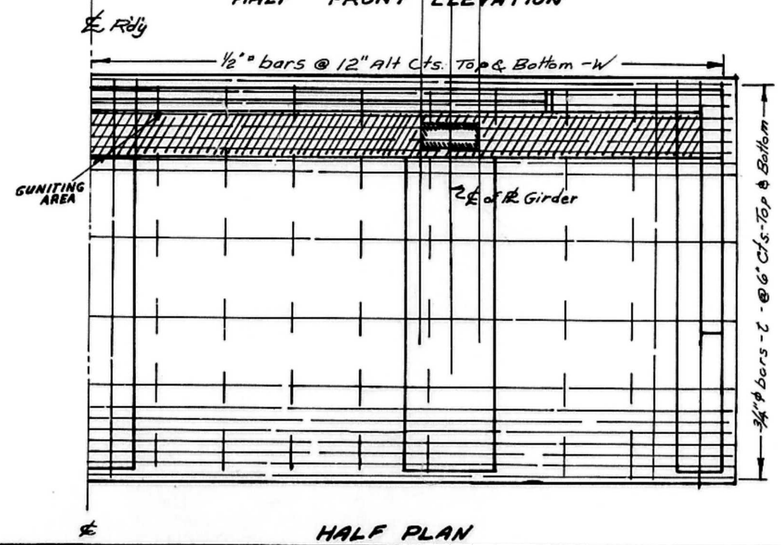


NOTE: SHADED AREAS INDICATE AREAS OF GUNITING (3" THICK)

DEAD LOAD, EACH BEARING = 174.95 K

END ELEVATION

QUANTITIES ON THIS SHEET		
CEMENT FOR GUNITING	=	10 SACKS
JACKING AND CRIBBING	=	2 EACH



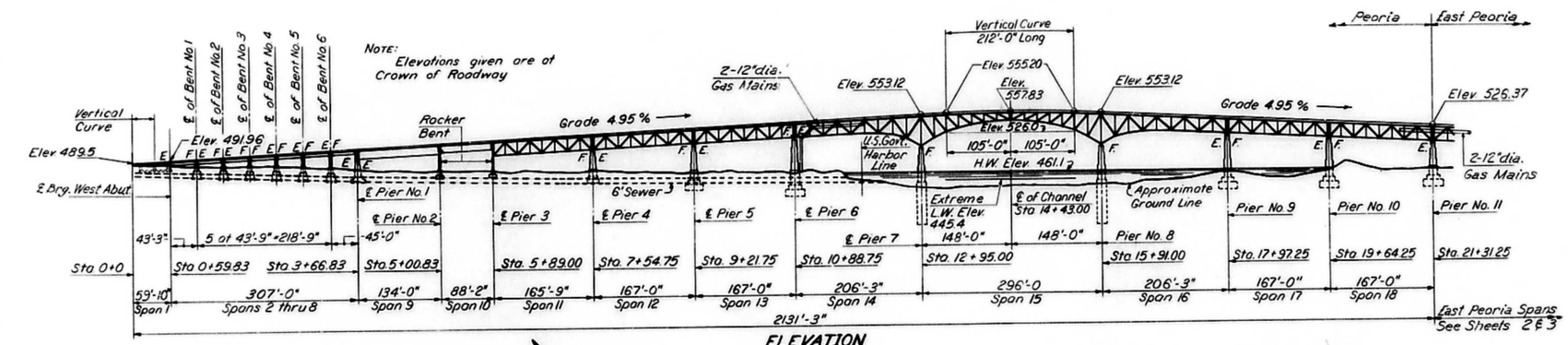
HALF PLAN

EAST ABUTMENT
CEDAR ST. BRIDGE
DETAILS FOR GUNITING
STA. 37+60.08

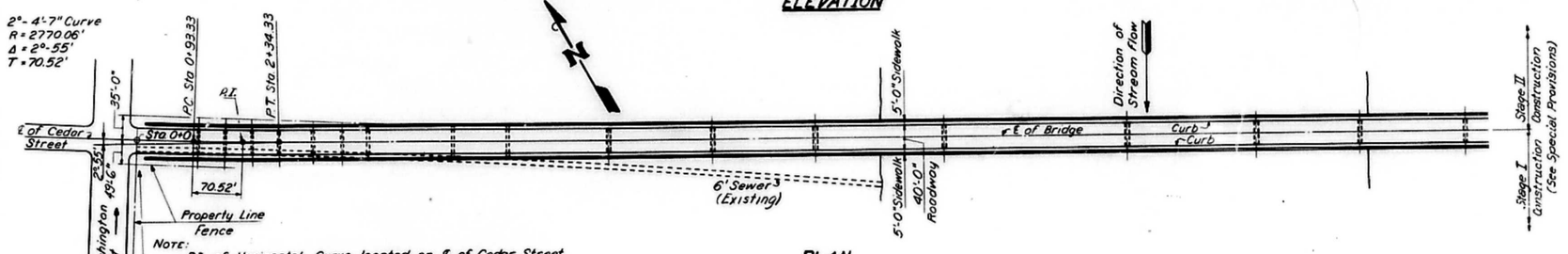
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121	103 B-E1	Peoria Tazewell	39	9
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT: —		

SHEET NO. 1
17 SHEETS

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



ELEVATION

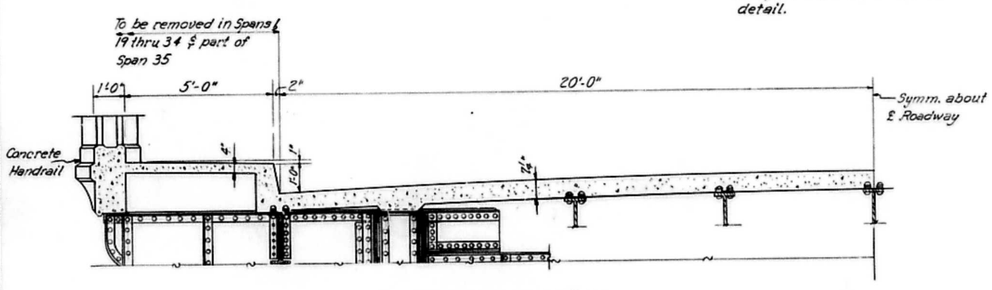


Note:
P.I. of Horizontal Curve, located on ℄ of Cedar Street and 163.85' from Sta. 0+0 is Sta. 1+63.85 of City Survey of Peoria dated Dec. 12, 1928.

For detail of Intersection Improvement See Plan Sheet # 3 of 39

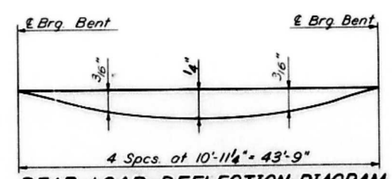
PLAN

Notes:
Vary Deck Grade in Span 2 to match Bituminous Surface on Span 1. See Sheet # 4 for detail.



EXISTING HALF SECTION

Note:
Complete slab, sidewalk & handrail removed in Spans 2 thru 18 & part of Span 35.
Full Depth Patch in Spans 21, 29, 30 & 34



DEAD LOAD DEFLECTION DIAGRAM
TYPICAL-SPANS 2 THRU 8

(Includes weight of Concrete only)
Deflection in stringers in spans 9 thru 18 due to dead load of Concrete is negligible.

GENERAL NOTES

The concrete floor slab shall be finished in accordance with Article 503.16 of the Standard Specifications.

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

Rivets ⅞" ø, Open holes 15/16" unless otherwise noted.

The exposed surfaces of the sidewalk sliding plate & new finger plate shall be given two shop coats of red lead paint, the contact surfaces shall be given one coat of red lead paint. Anchor studs shall not be painted.

Except as otherwise provided, all new Struct. steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Article 509.01 to 509.05 inclusive of the Standard Specifications.

The sidewalk sliding plates & finger plates are included in the Quantity of Structural steel. Estimated weight 53030 Lbs.

Stud shear connectors on the beam flanges shall be placed in field after the steel has been erected and the deck forms are in place.

It shall be the responsibility of the contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.

Field welding of construction accessories to beams or girders will not be permitted on the bottom flanges. Field welding in other areas will be permitted only when approved by the Engineer.

Permanent forms will not be permitted in forming the concrete floor.

Unless otherwise noted all new Struct. steel shall comply with the Specifications for Structural Steel A.S.T.M. A-36.

Adequate temporary guardrail shall be installed and maintained during 1st & 2nd stage construction.

A concrete saw or other mechanical equipment shall be used to provide vertical edges for a minimum of ¾" around the perimeter of areas to be patched and along the line of concrete removal. Cost shall be incidental.

Bond joints between old and new concrete with joint sealant. See Special Provisions.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER.	SUB.	TOTAL
Class X Concrete	Cu. Yds.	4,003.9		4,003.9
Deck Removal	Cu. Yds.	2,144.6		2,144.6
Sidewalk Removal	Cu. Yds.	482.0		482.0
Reinforcement Bars	Lbs.	995,500		995,500
Class X Concrete (Deck-Full depth Patch)	Cu. Yds.	29.7		29.7
Deck Removal (Full depth Patch)	Cu. Yds.	29.7		29.7
Structural Steel	Lbs.	208,010		208,010
Protective Coat	Sq. Yds.	14,500		14,500
* Bituminous Concrete Removal	Sq. Yds.	159.0		159.0
** Bituminous Concrete Surface course Class I	Tons	138		138
Temporary Guard Rail	Lin. ft.	2,120		2,120
Handrail Removal	Lin. ft.	7,494		7,494
Aluminum Railing Type L	Lin. ft.	7,446		7,446
*** Bridge seat Sealant	Lump Sum		L.S.	L.S.
Stud Shear Connectors	Each	58,512		58,512

* Includes all patched areas shown on sheets # 2 & 3
** All new Bituminous Concrete Class I included.
*** For use on Piers 1, 4, 5, 6, 9, 10, 11 & 15 thru 155.

DESIGNED Dan Schulte	EXAMINED Oct. 9 1968
CHECKED James M. Barker	PASSED M E Bowman
DRAWN: G. Ritchie / ustanik	APPROVED
CHECKED	

REV. 10-25-68

GENERAL PLAN AND ELEVATION
S.B.I. ROUTE 121
SECTION 103B-1-1
PEORIA AND TAZEWELL COUNTIES

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B. 121 F.A.	103B-F-1	Peoria Tazewell	39	10
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

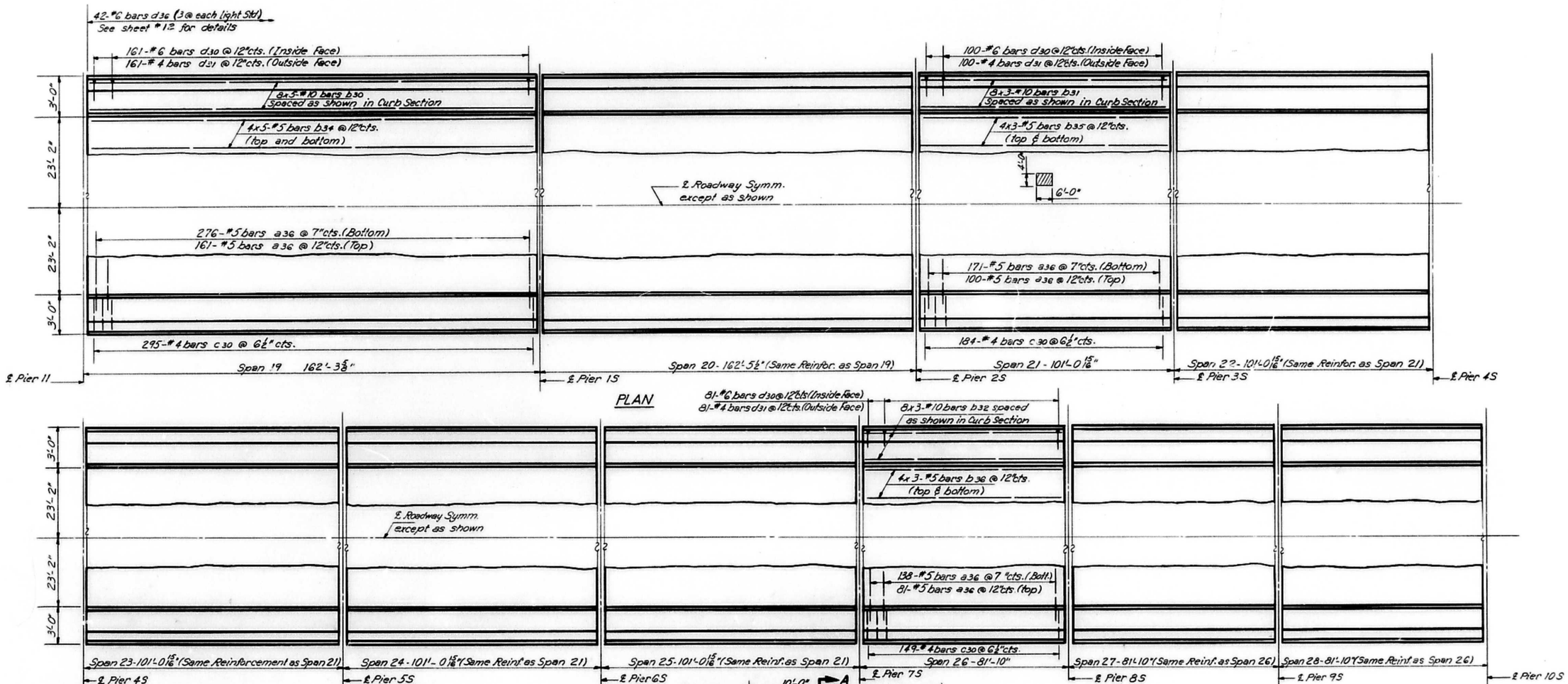
SHEET NO. 2
17 SHEETS

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

Class X Concrete —— (Full Depth Patch)
Deck Removal (Full Depth Patch)
(See Note A Sheet #3)

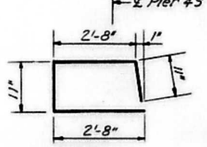
Note:
Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
Min. bar laps = 24 dia.

Note: For details & location of light Std mounting See sheets 12 to 17.

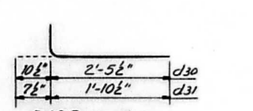


PLAN

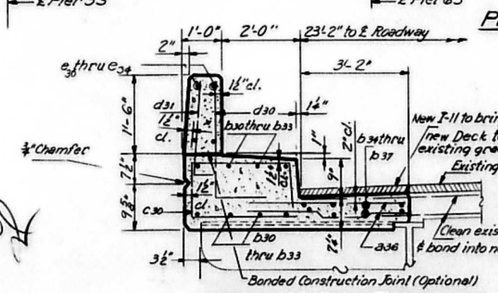
PLAN



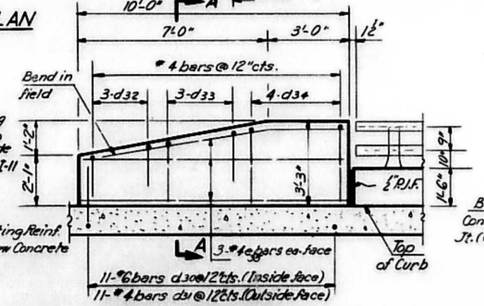
BAR c30



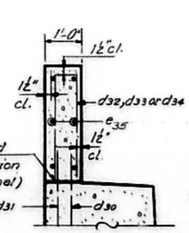
BARS d30 & d31



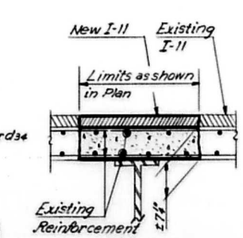
TYPICAL SECTION THRU CURB



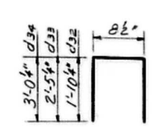
END POST DETAIL
(Showing Inside Face)



SECTION A-A



TYPICAL DECK PATCHING SECTION
(See Note A - Sheet #3)



BARS d32, d33 & d34

DESIGNED	Dan Britton
CHECKED	James M. Rankin
DRAWN	ustanik
CHECKED	

EXAMINED — ENGINEER OF BRIDGE AND GRADE SEPARATIONS
PASSED — ENGINEER OF BRIDGES
APPROVED — CHIEF HIGHWAY ENGINEER

Oct 9 1968
Carl E. Lemmon

EAST PEORIA SPANS-DETAILS
SBI RTE 121-SEC. 103B-I-1
PEORIA-TAZEWELL CO'S

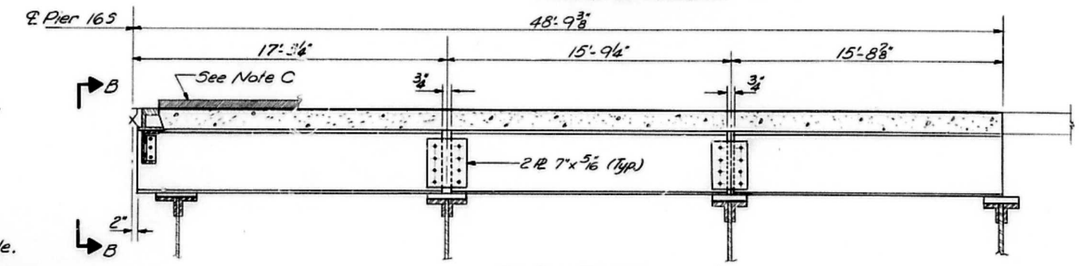
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 121	103 B-1-1	Peoria Tazewell	39	11
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 3 OF 17 SHEETS

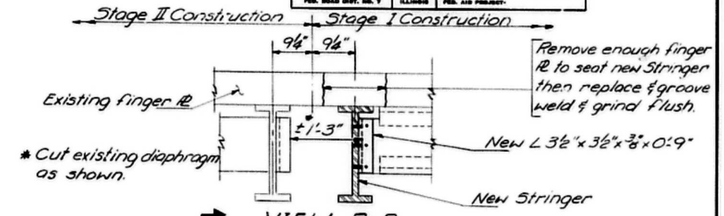
Class X Concrete (Full depth Patch)
Deck Removal (Full depth Patch)
(See Note A)

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

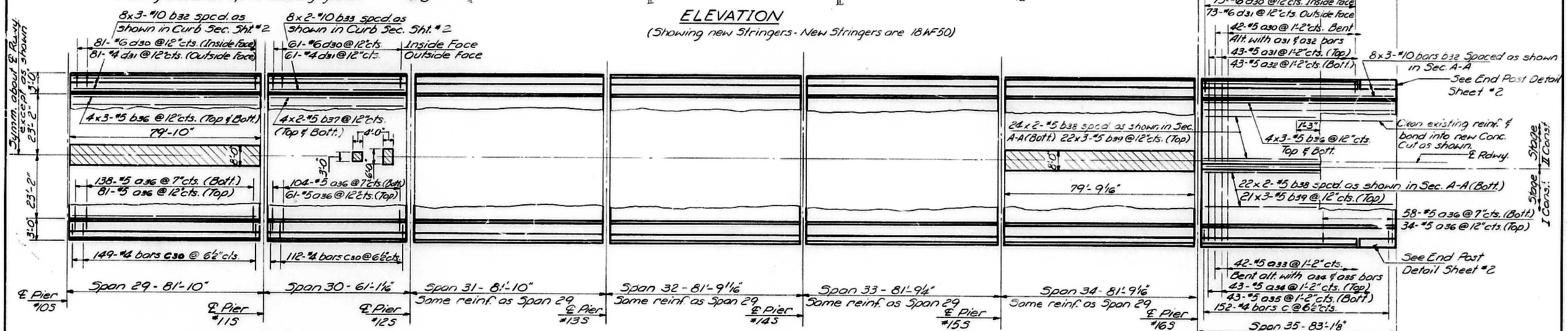
Notes:
A) Full depth patch for limits shown. Clean existing reinforcement and bond into new concrete. Bring up to existing grade with new I-11.
B) See Sht. #2 for typical Section of new Curb in this area.
C) New I-11 to be placed on new deck to bring elevation up to existing grade.



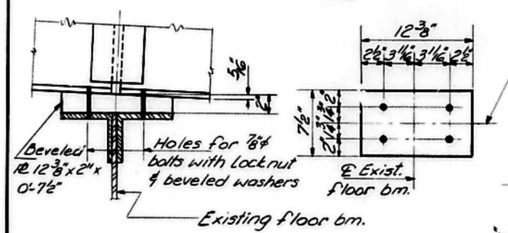
ELEVATION
(Showing new Stringers - New Stringers are 18WF50)



VIEW B-B



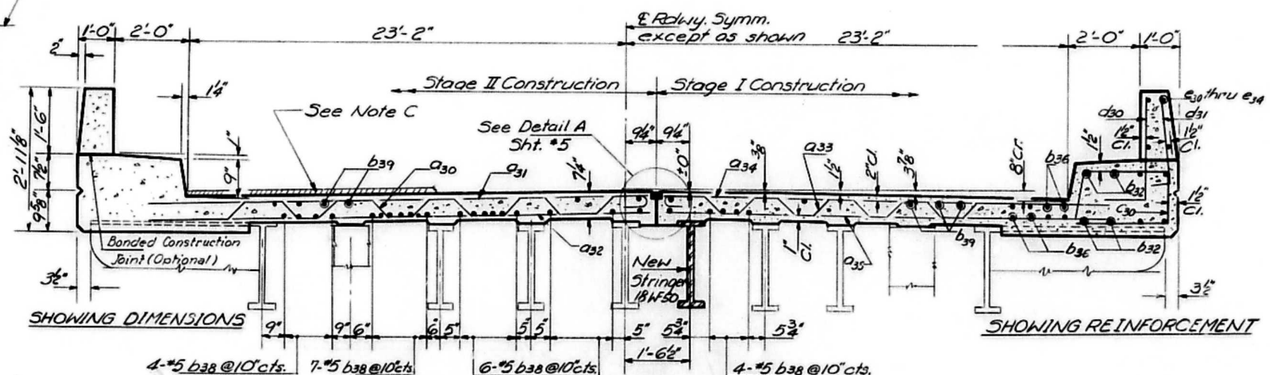
PLAN
(See Note C)



ELEVATION PLAN

BEARING DETAILS

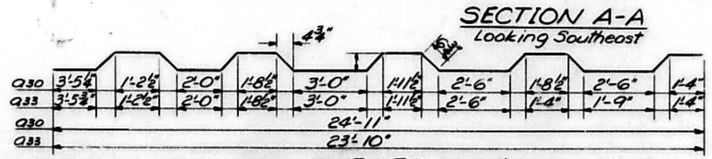
Note: Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line. Min. bar lap = 24 dia.



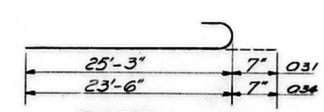
SHOWING DIMENSIONS

SHOWING REINFORCEMENT

SECTION A-A
Looking Southeast



BARS a30 & a33



BARS a31 & a34

SPANS 19 THRU 35
BILL OF MATERIAL

Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
a30	42	#5	26'-5"		b38	92	#5	24'-9"	
a31	43	#5	25'-10"		b39	129	#5	17'-0"	
a32	43	#5	25'-3"						
a33	42	#5	25'-4"		c30	5932	#4	7'-2"	
a34	43	#5	24'-1"		d30	3230	#6	3'-4"	
a35	43	#5	23'-6"		d31	3230	#4	2'-6"	
a36	8476	#5	4'-6"		d36	42	#6	5'-9"	
					Deck Removal			Cu.Yds.	152.0
b30	160	#10	34'-0"		Reinf. Bars			Lbs.	146,930
b31	240	#10	35'-6"		Structural Steel			Lbs.	39,370
b32	432	#10	28'-9"		Class X Conc.			Cu.Yds.	783.0
b33	32	#10	31'-3"		Deck Removal (Full depth patch)			Cu.Yds.	29.7
b34	160	#5	33'-3"						
b35	240	#5	34'-3"		Sidewalk Removal			Cu.Yds.	205.0
b36	432	#5	27'-9"		Handrail Removal			Lin.Ft.	3258
b37	32	#5	30'-9"		Class X Conc (Deck-Full depth patch)			Cu.Yds.	29.7

Note: These Quantities do not include Class X Concrete & Reinforcement for the parapets & End Posts. See Sheet #17.

DETAILS - EAST PEORIA SPANS
S.B.I. RT. 121 - SEC. 103B-1-1
PEORIA - TAZEWELL COUNTIES

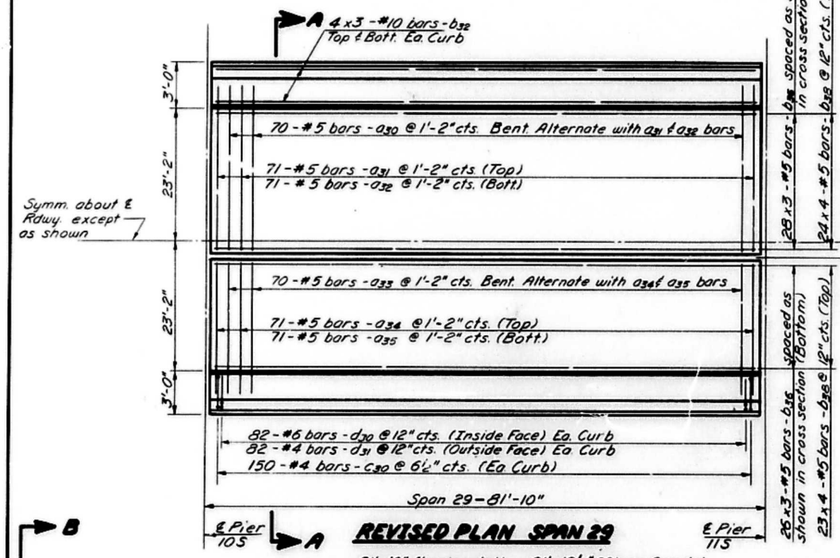
DESIGNED	Jim Schilling
CHECKED	James M. Barker
DRAWN	A. Barraza 8/86
CHECKED	JB
EXAMINED	Oct 9 1968 Carl E. Zimmerman
PASSED	
APPROVED	

REV. 10-25-68

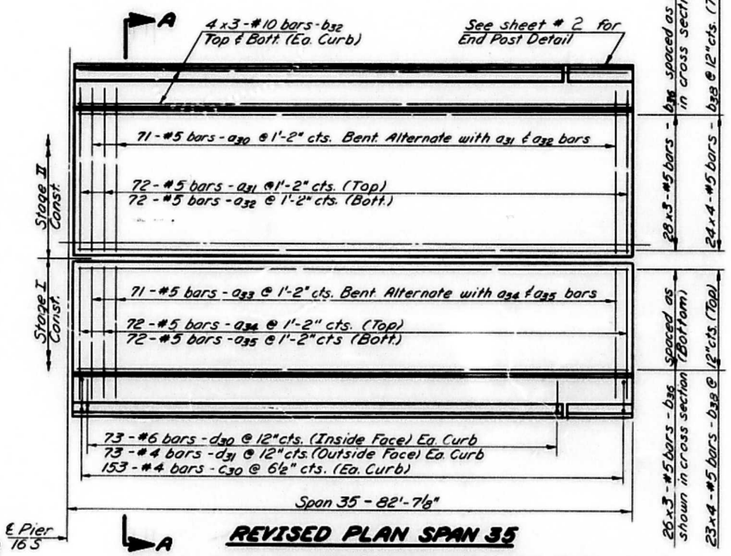
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. I. R. A.				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 30
17 SHEETS

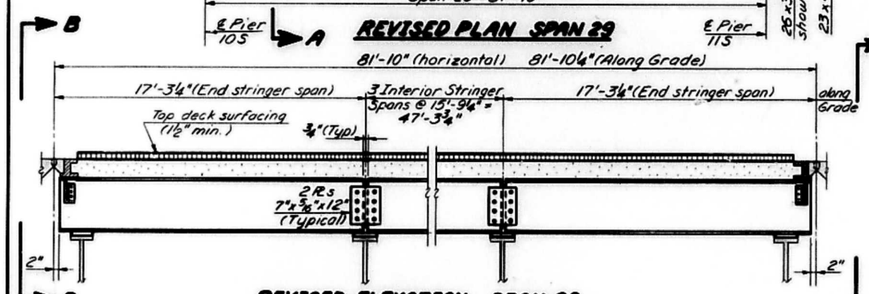


REVISED PLAN SPAN 29



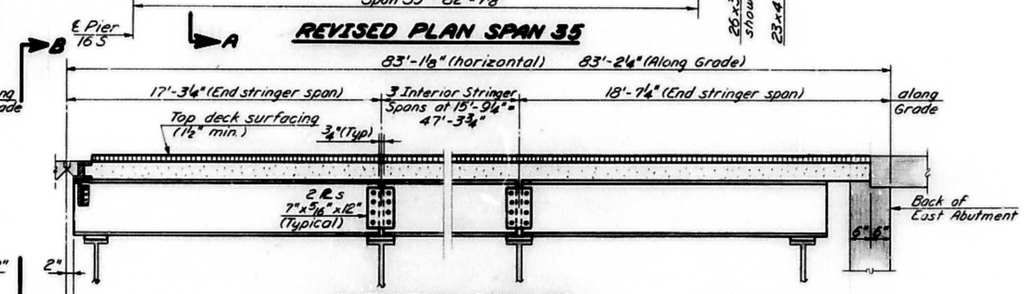
REVISED PLAN SPAN 35

Notes:
Section A-A on sheet 3 is typical for Revised Plans 29 & 35 except for bar designations.
See sheet 3 for VIEW B-B.
See sheet 3 for Brg. Details.



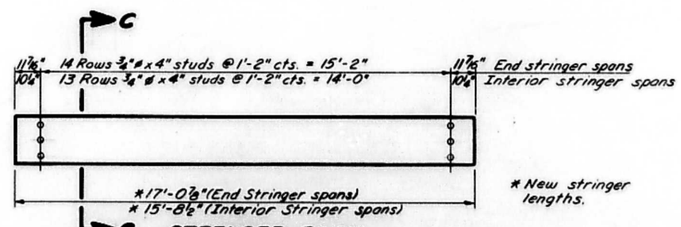
REVISED ELEVATION SPAN 29

(Showing new stringer - New stringers are 18WF50)



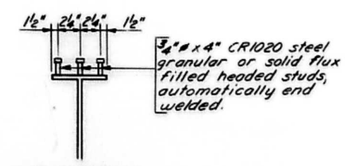
ELEVATION SPAN 35

(Showing new stringer - New stringers are 18WF50)



STRINGER PLAN

(Showing stud spacing for all stringers in spans 29 & 35)
(New stringers are 18WF50)



SECTION C-C

SPANS 19 THRU 35
REVISED BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a30	141	#5	26'-5"	
a31	143	#5	25'-10"	
a32	143	#5	25'-3"	
a33	141	#5	25'-4"	
a34	143	#5	24'-1"	
a35	143	#5	23'-6"	
a36	7854	#5	4'-6"	
b30	160	#10	34'-0"	
b31	240	#10	35'-6"	
b32	432	#10	28'-9"	
b33	32	#10	31'-3"	
b34	160	#5	33'-3"	
b35	240	#5	34'-3"	
b36	660	#5	28'-6"	
b37	32	#5	30'-9"	
b38	376	#5	21'-6"	
c30	5936	#4	7'-2"	
d30	3230	#6	3'-4"	
d31	3230	#4	2'-6"	
d36	42	#6	5'-9"	
Deck Removal			Cu.Yds.	254.0
Reinf. Bars			Lbs.	270550
Structural Steel			Lbs.	47,250
Class X Conc.			Cu.Yds.	885
Deck Removal (Full depth patch)			Cu.Yds.	15.4
Sidewalk Removal			Cu.Yds.	205.0
Handrail Removal			Lin. Ft.	3252
Class X Conc. (Deck-Full depth patch)			Cu.Yds.	15.4

DESIGNED	Dan Schulten
CHECKED	James M. Barker
DRAWN	g.m. ritchie
CHECKED	B

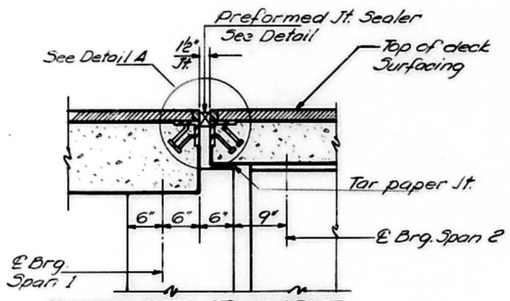
19
EXAMINED
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
ENGINEER OF BRIDGES
APPROVED
CHIEF HIGHWAY ENGINEER

REVISED DETAILS - EAST PEORIA SPANS
S.B.I. RT. 121 - SEC. 103B-1-1
PEORIA - TAZEWELL COUNTIES

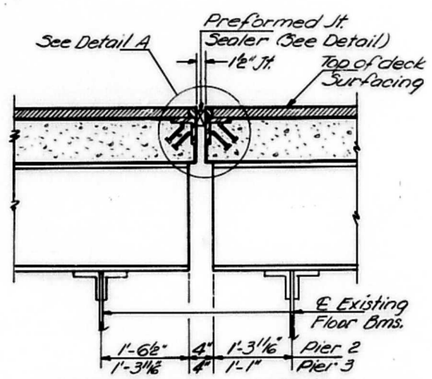
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. I. F. A.				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

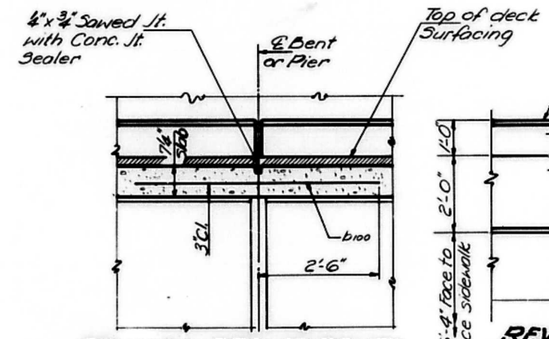
SHEET NO. 3b
17 SHEETS



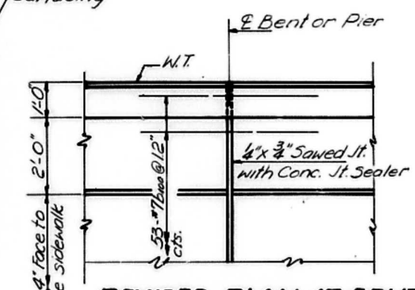
REVISED SEC. AT W. ABUT.



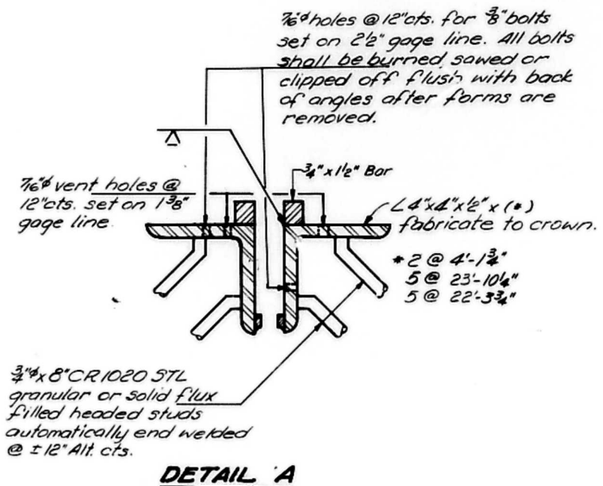
REVISED SEC. AT PIERS 2 & 3



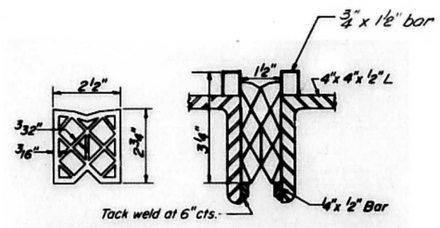
REVISED SEC. AT BENTS 1,2,4,5,6 & PIERS 7 & 8



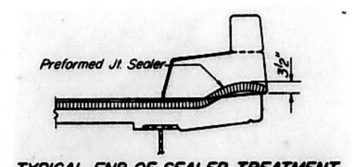
REVISED PLAN AT BENTS 1,2,4,5,6 & PIERS 7 & 8



DETAIL 'A'



PREFORMED JOINT SEALER



TYPICAL END OF SEALER TREATMENT

ADDITIONAL BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b100	371	#7	5'-0"	——
Reinf. Bars			Lbs.	3790
Preformed Jt. Sealer			Lin. ft.	157
Structural Steel			Lbs.	4330

Note: The expansion devices @ Piers 1,4,5 6,9,10,11, 15 thru 16s & ℄ Span 15 are to remain unchanged.

DESIGNED	Dan Chilton
CHECKED	James M. Burke
DRAWN	A. Barraza
CHECKED	

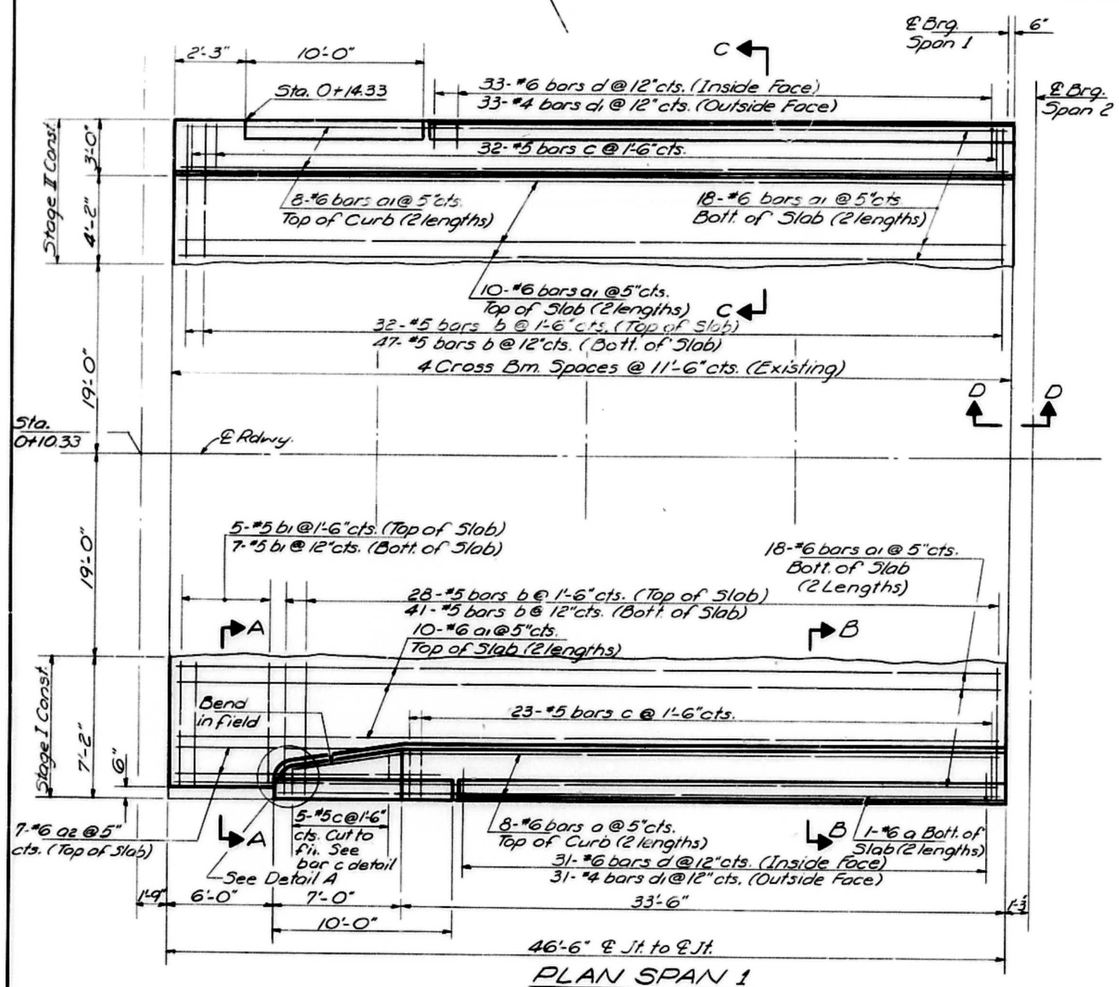
19
EXAMINED
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
ENGINEER OF DESIGN
APPROVED
CHIEF HIGHWAY ENGINEER

EXPANSION DETAILS
SBI RTE. 121 SEC. 103B-1-1
PEORIA & TAZEWELL COUNTIES

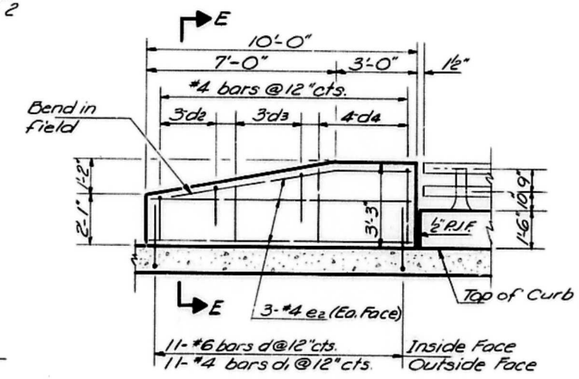
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121	103 B-I-1	Peoria Tazewell	39	12
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

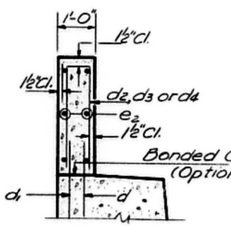
SHEET NO. 4 OF 17 SHEETS



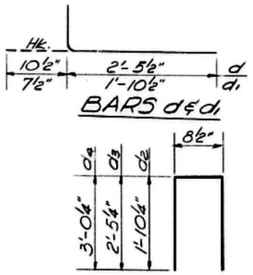
PLAN SPAN 1

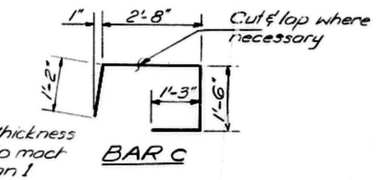


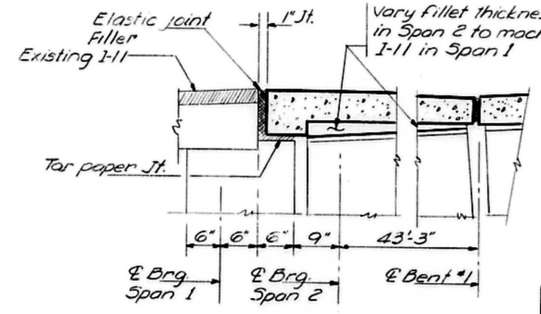
END POST DETAIL
(Showing inside face)



SECTION E-E

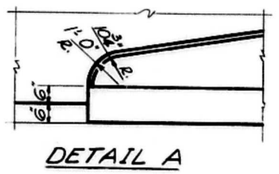




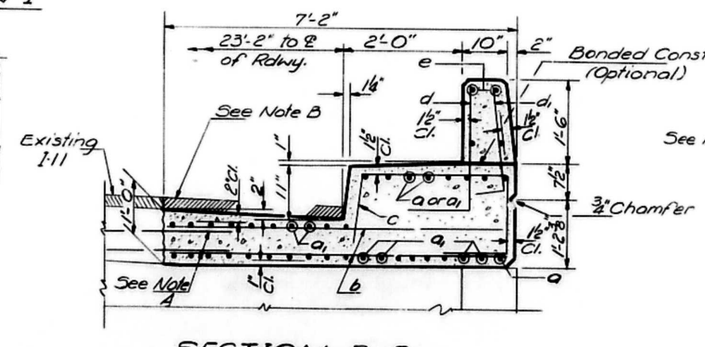


SECTION D-D

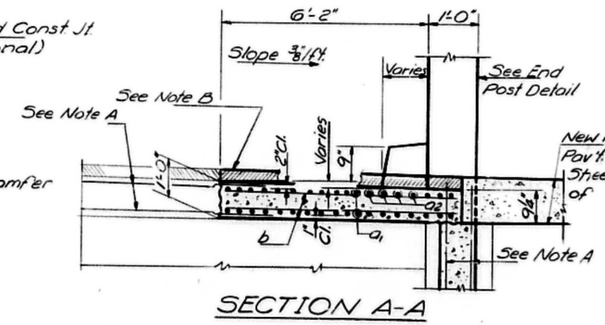
Notes:
A- Clean existing reinforcement & bond into new concrete. Cut off as required.
B- Bring new portions of slab up to grade with I-11.



DETAIL A



SECTION B-B
(Section C-C similar)



SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	18	#6	21'-0"	
a1	128	#6	24'-0"	
a2	7	#6	14'-6"	
b	148	#5	6'-9"	
b1	12	#5	6'-3"	
c	60	#5	6'-7"	
d	86	#6	3'-4"	
d1	86	#4	2'-6"	
Deck Removal			Cu. Yds.	7.6
Reinforcement Bars			Lbs.	7440
Class X Concrete			Cu. Yds.	30.4
Sidewalk Removal			Cu. Yds.	6.0
Handrail Removal			Lin. Ft.	93

Note: These quantities do not include Class X Concrete & Reinf. for the parapets & End Posts. See Sht. #17

DESIGNED	Dan Schulten
CHECKED	James M. Barker
DRAWN	A. Barroza
CHECKED	

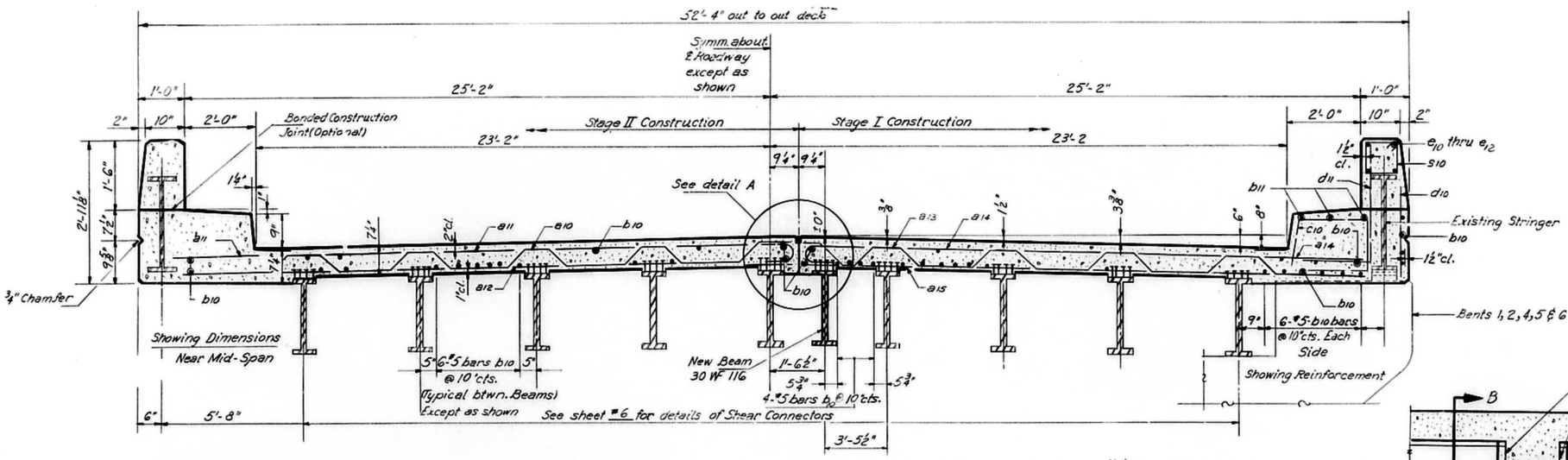
EXAMINED — Chief Engineer
PASSED — Engineer of Design
APPROVED — Chief Highway Engineer

SPAN 1 DETAILS
S.B.I. RT. 121 - SEC. 103B-I-1
PEORIA & TAZEWELL COUNTIES

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121	103 B-I-1	Peoria Tazewell	39	13
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT- -		

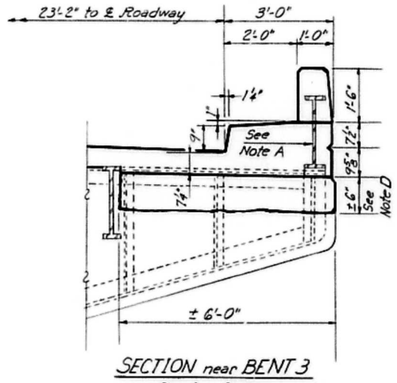
SHEET NO. 5
17 SHEETS



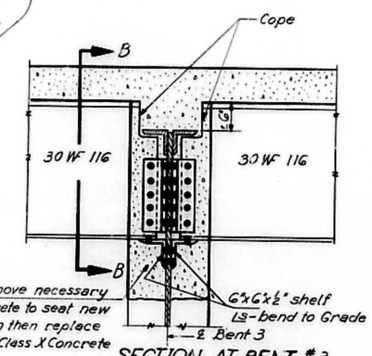
TYPICAL CROSS SECTION
(Spans 2 thru 8)
Looking Southeast

Note:
Bars indicated thus 20x3-#5etc. indicates 20 lines of bars with 3 lengths per line.
Min. bar laps = 24 dia.

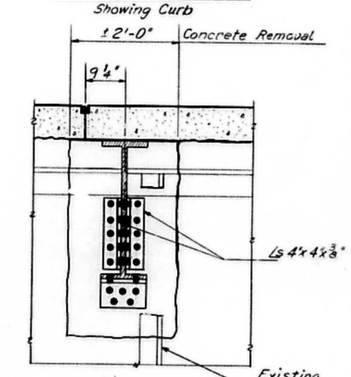
See Sheet #13 for spacing of s10 bars and longitudinal steel in parapet.



SECTION near BENT 3
Showing Curb

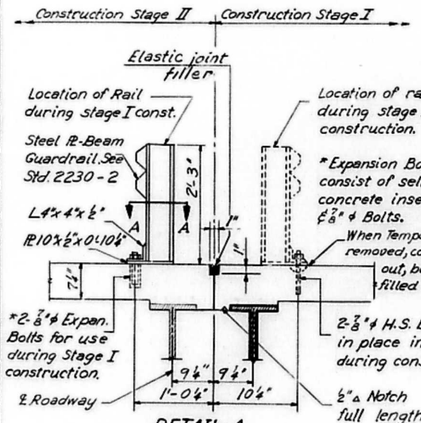


SECTION AT BENT #3

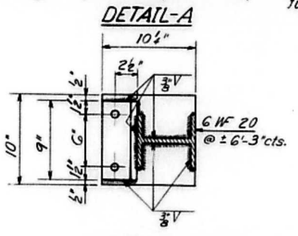


SECTION B-B
(See Note C)

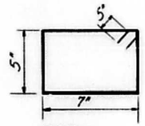
BEARING DETAIL FOR NEW BEAM AT BENT #3



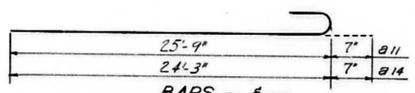
DETAIL-A



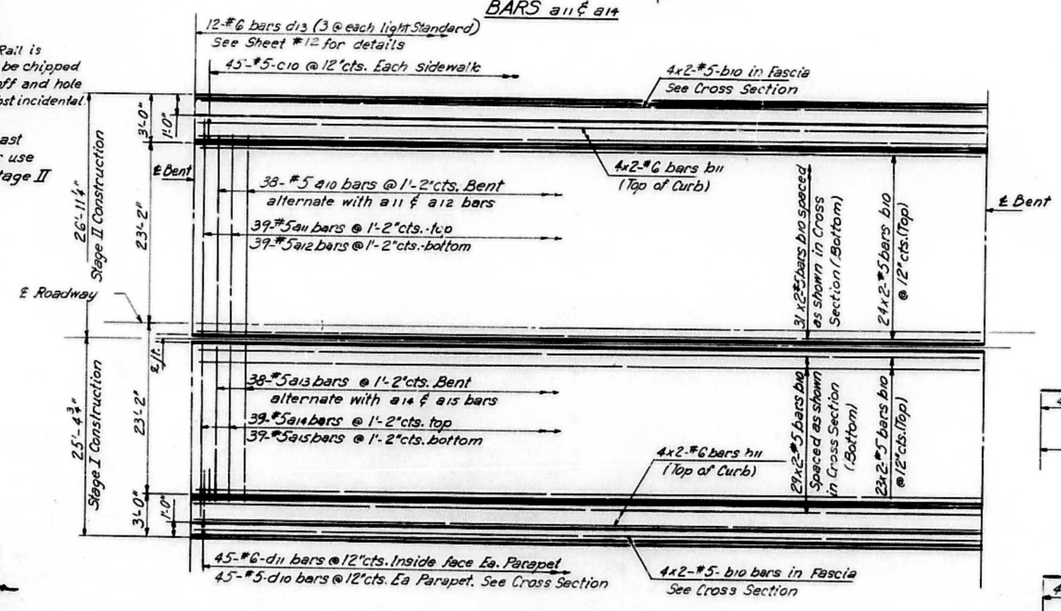
SECTION A-A



BAR s10

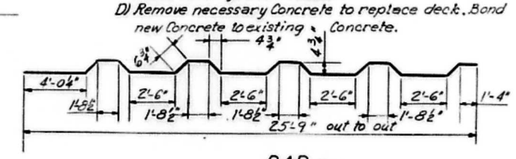


BARS a11 & a14

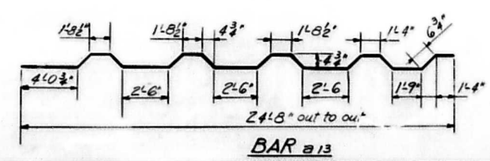


TYPICAL PLAN (SPANS 2 thru 8)

Notes:
A) Clean existing encased exterior Stringer by Method III See Article 509.06 b Standard Specifications. Cost incidental. No Paint.
B) See Sheet #6 for Bill of Material & Bar List and lengths of new beams.
C) Remove existing stiffeners where necessary to seat New Beam. Plug weld existing Rivet holes and grind flush.
D) Remove necessary Concrete to replace deck. Bond new Concrete to existing Concrete.

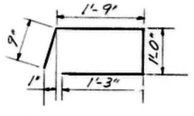


BAR a10



BAR a13

BAR d11



BAR c10

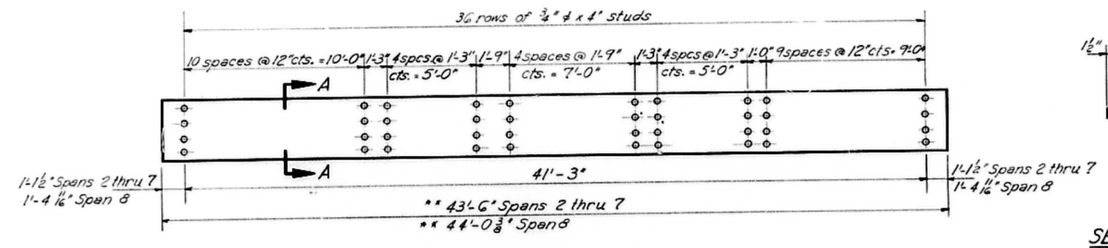
SUPERSTRUCTURE
SPANS 2 thru 8
SBI RTE 121-SEC. 103 B-I-1
PEORIA & TAZEWELL COS

DESIGNED	Dan Chilton	EXAMINED	1968
CHECKED	James M. Banks	PASSED	
DRAWN	S. ustanik	APPROVED	
CHECKED			

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

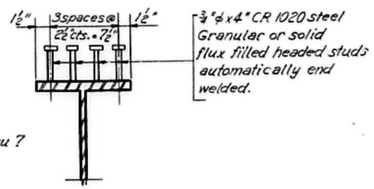
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B. 121	103	Peoria	39	14
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT- —		

SHEET NO. 6
17 SHEETS



**New Beam Lengths.
New Beams are 30WF116

BEAM PLAN
(Showing Shear connectors for all Interior Beams. in spans 2 Thru 8)



SECTION A-A

Notes:

1) Brg. details shown on this sheet are typical for all 30 WF 116 Beams except @ Bent #3.

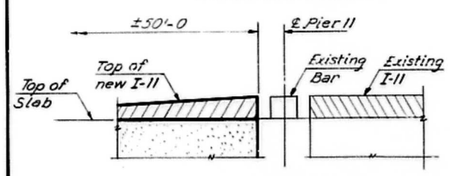
2) See Sheet # 5 for Brg. details @ Bent #3.

3) See Sheet # 10 for section @ Pier 1.

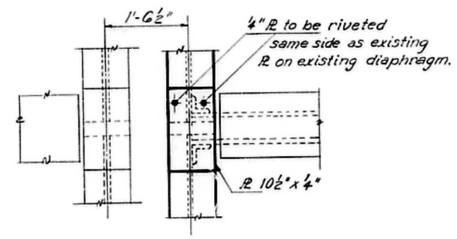
4) Cut existing end diaphragms @ West Abutment and fasten to the new 30 WF 116 as shown in Detail. See Section @ Pier 1 on Sheet # 10 . for details of end diaphragm at Pier 1.

5) See Section E-E, Sheet # 9 for Sidewalk details @ Bents 1, 2 & 4 thru 6.

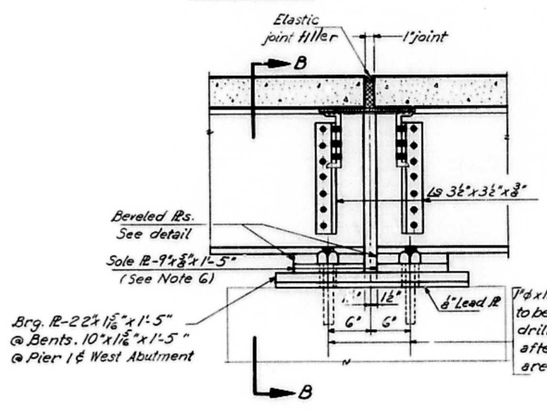
6) Sole ℞ slotted 1½" x 2" for Anchor bolts at expansion ends (W. Abut., East Brgs. Bents 1 & 2, West Brgs. Bents 4 thru 6, and Pier 1.)



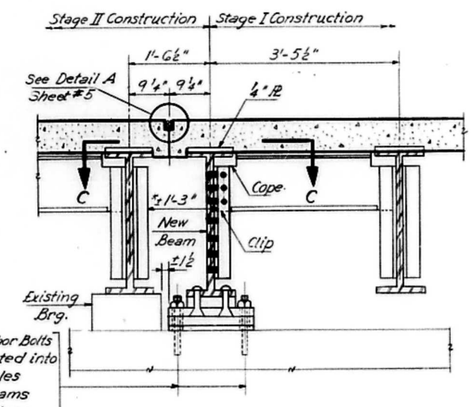
SECTION D-D



VIEW C-C

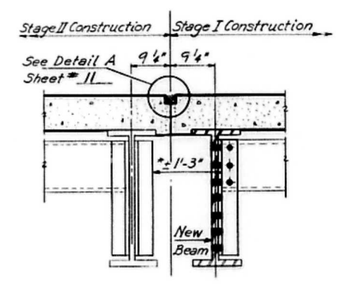


TYPICAL SECTION
AT BENTS 1, 2, 4, 5 & 6

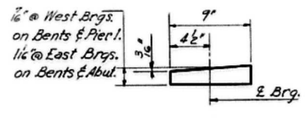


SECTION B-B

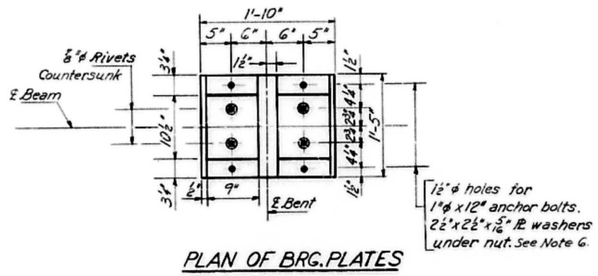
TYPICAL SECTION
AT INTERIOR DIAPHRAGMS
(See Note 4)



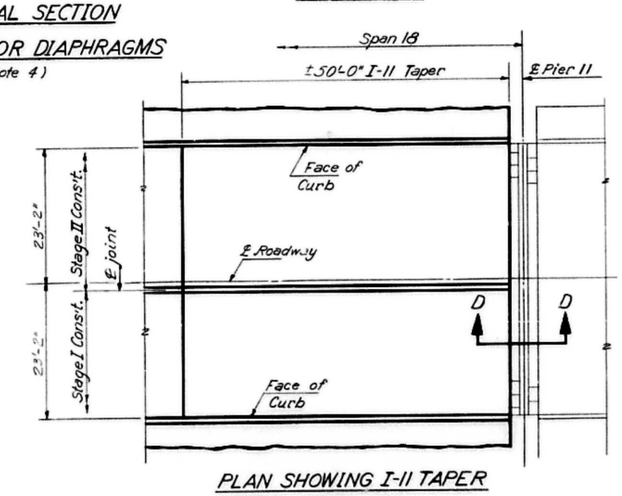
SECTION F-F



BEVELED ℞ DETAIL



PLAN OF BRG. PLATES



PLAN SHOWING I-11 TAPER
SPAN 18

BILL OF MATERIAL
Spans 9 thru 18

Bar	No.	Size	Length	Shape
a20	1503	#5	26'-5"	
a21	1514	#5	25'-10"	
a22	1514	#5	25'-3"	
a23	1503	#5	25'-4"	
a24	1514	#5	24'-1"	
a25	1514	#5	23'-6"	
b20	1566	#5	34'-6"	
b21	240	#5	27'-6"	
b22	1374	#5	30'-9"	
b23	192	#5	23'-0"	
b24	1440	#5	28'-9"	
b25	648	#5	35'-6"	
b26	576	#5	25'-9"	
b27	464	#10	35'-6"	
b28	48	#10	31'-3"	
b29	384	#10	31'-9"	
c20	6,538	#4	7'-2"	
d20	3,542	#6	3'-4"	
d21	3,542	#4	2'-6"	
d23	30	#6	5'-9"	
Reinforcement Bars			Lbs.	616,460
Structural Steel			Lbs.	130,820
Class X Concrete			Cu. Yds.	2381.5
Sidewalk Removal			Cu. Yds.	228.0
Deck Removal			Cu. Yds.	1690
Handrail Removal			Lin. ft.	3529

Parapet Reinforcement and Class X Concrete are billed on sheet #17

BILL OF MATERIAL
(Spans 2 thru 8)

Bar	No.	Size	Length	Shape
a10	266	#5	27'-3"	
a11	273	#5	26'-4"	
a12	273	#5	25'-9"	
a13	266	#5	26'-2"	
a14	273	#5	24'-10"	
a15	273	#5	24'-3"	
b10	1610	#5	22'-6"	
b11	112	#6	22'-9"	
c10	630	#5	4'-9"	
d10	630	#6	3'-4"	
d11	630	#4	2'-6"	
d13	12	#6	5'-9"	
Reinforcement Bars			Lbs.	92660
Class X Concrete			Cu. Yds.	410.0
Deck Removal			Cu. Yds.	295.0
Structural Steel			Lbs.	37,820
Sidewalk Removal			Cu. Yds.	43.0
Handrail Removal			Lin. ft.	614

Parapet Reinforcement and Class X Concrete are billed on sheet #17

STRUCTURAL STEEL DETAILS
SPANS 2 thru 8
SBI RTE. 121 - SEC. 103 B-1-1
PEORIA - TAZEWELL COUNTIES

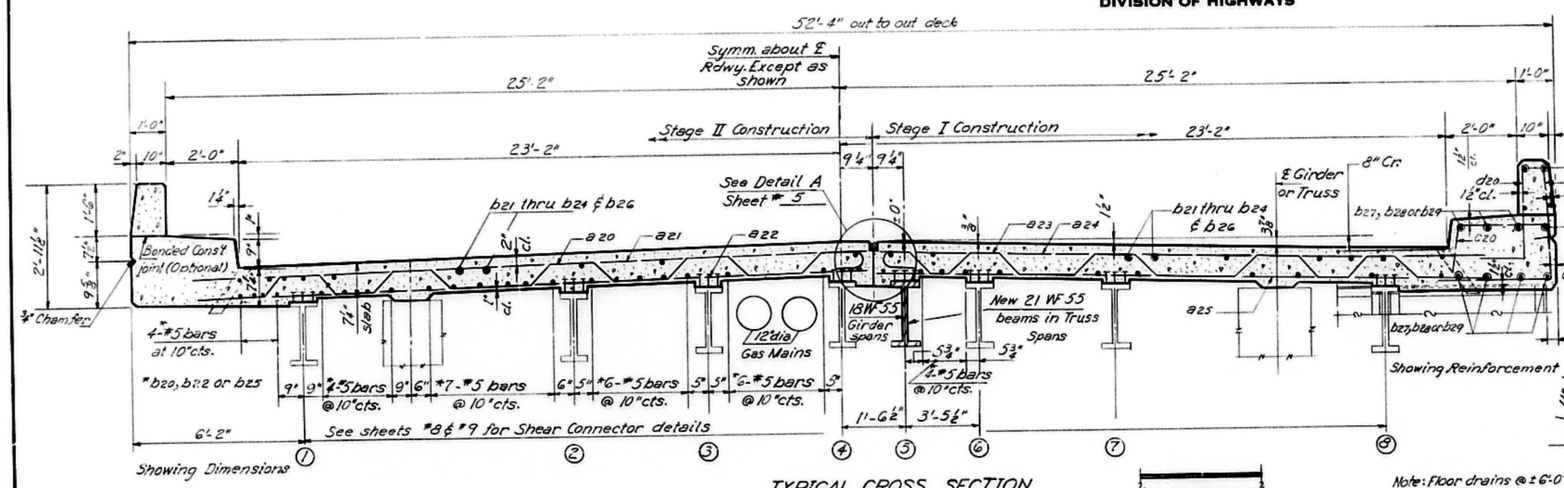
DESIGNED	Dan Chalton
CHECKED	James M. Baska
DRAWN	S. Ustanik
CHECKED	

EXAMINED — 1968
PASSED
APPROVED

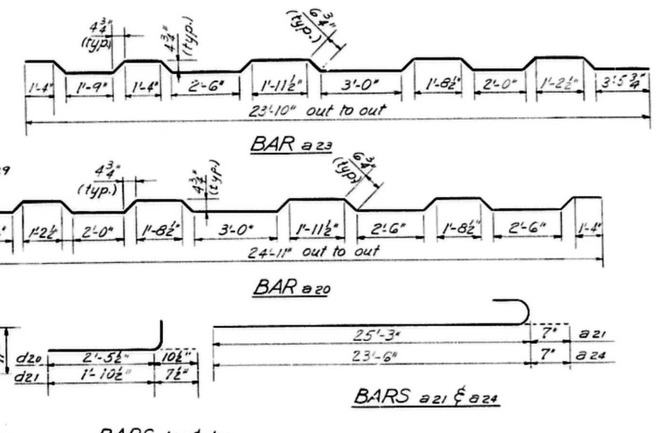
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B. 121	103	Peoria	39	15
	B-I-1	Tazewell		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

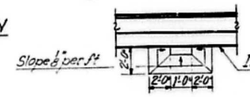
SHEET NO. 7
17 SHEETS

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



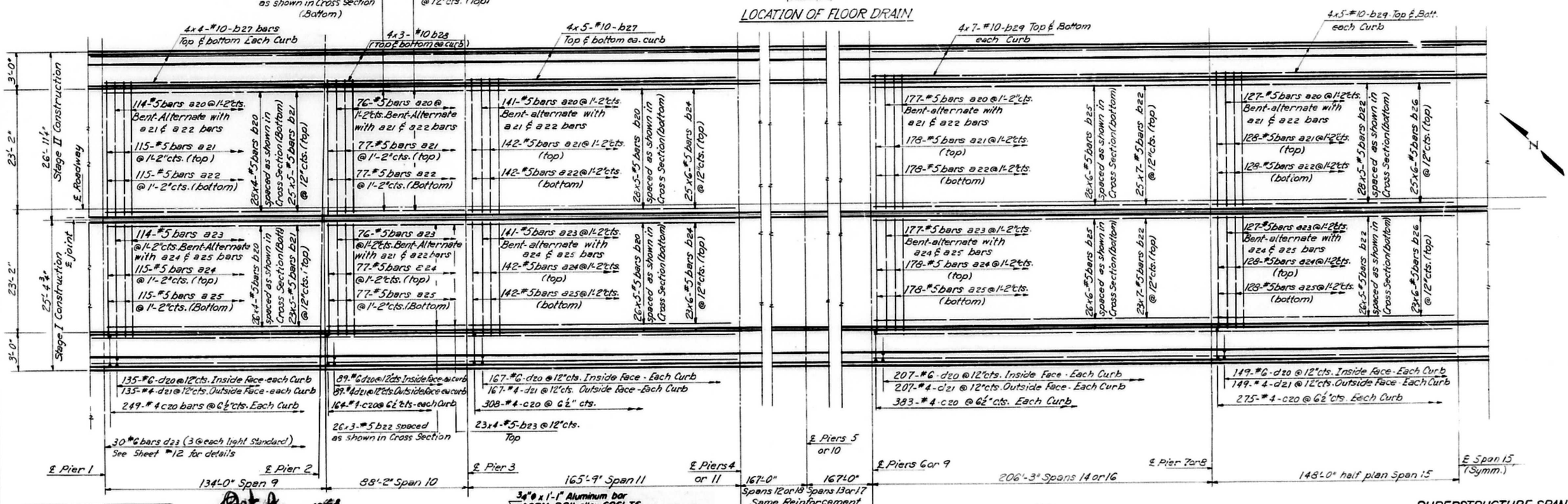
TYPICAL CROSS SECTION
(Spans 9 thru 18)
Looking Southeast



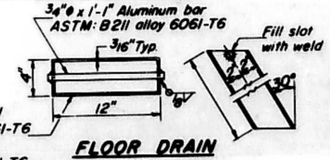


LOCATION OF FLOOR DRAIN

Note: Floor drains @ ± 6'-0" cts. Spans 15, 16 & 17 only. Space to miss floor beams & Piers. (Typ. each Curb)



PARTIAL PLAN - SPANS 9 THRU 18
See Sheet #6 for Bill of Material
℄ I-11 transition in Span 18



FLOOR DRAIN
(Cost of Drains incidental)

Aluminum Sheets Welded
ASTM: B209 alloy 6061-T6
or Aluminum Extrusions
ASTM: B221 alloy 6061-T6

Note:
Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
Min. bar laps = 24 dia.

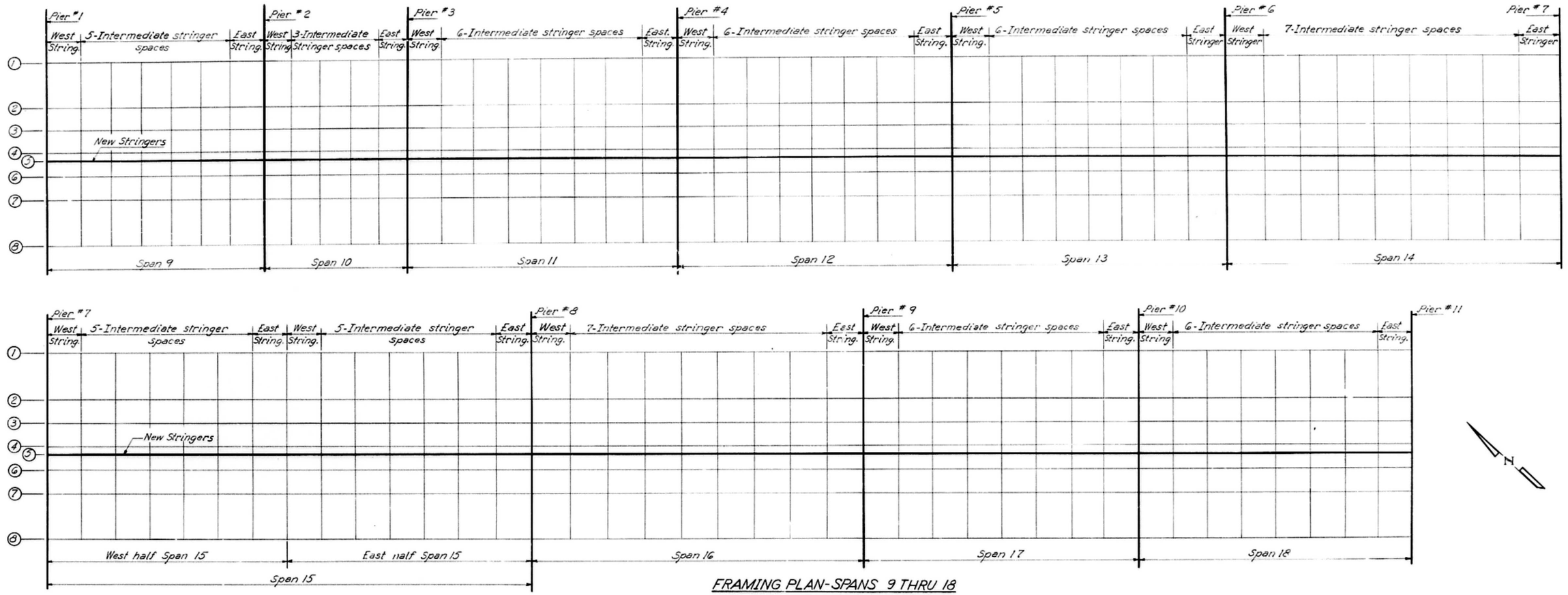
DESIGNED	Don Schultz
CHECKED	James M. Baird
DRAWN	S. Ustanik
CHECKED	
EXAMINED	
PASSED	
APPROVED	

SUPERSTRUCTURE-SPANS 9 thru 18
SBI RTE. 121-SEC. 103 B-I-1
PEORIA & TAZEWELL COUNTIES

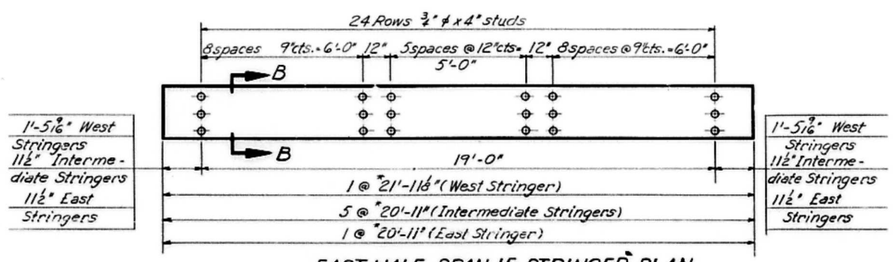
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B. 121 P.T.N.	103 B-I-1	Peoria Tazewell	39	16
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

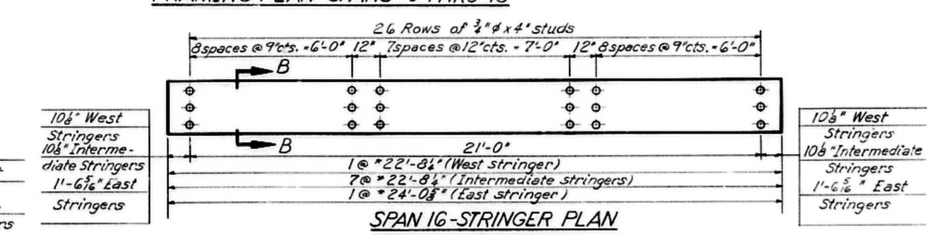
SHEET NO. 8
17 SHEETS



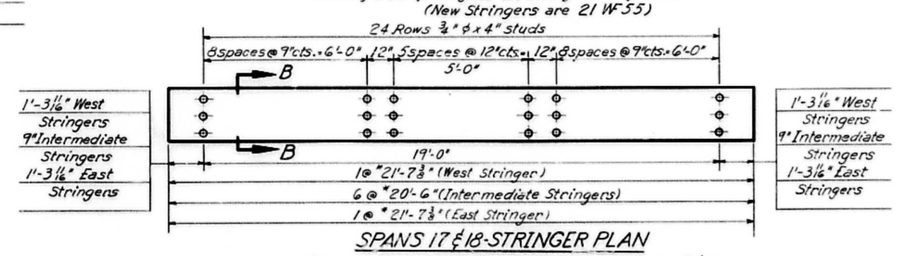
FRAMING PLAN-SPANS 9 THRU 18



EAST HALF SPAN 15-STRINGER PLAN
(Showing stud spacing for all stringers in East half Span 15)
(New Stringers are 21 WF 55)



SPAN 16-STRINGER PLAN
(Showing stud spacing for all stringers in Span 16)
(New Stringers are 21 WF 55)



SPANS 17 & 18-STRINGER PLAN
(Showing Stud spacing for all stringers in Spans 17 & 18)
(New stringers are 21 WF 55)

Notes:
A) For Section B-B see Sheet # 9.

B) For Remainder of stringer Plans, see Sheet # 9.

*New Stringer Lengths.

DESIGNED	Van Schilten
CHECKED	James M Barker
DRAWN	S.ustanik
CHECKED	

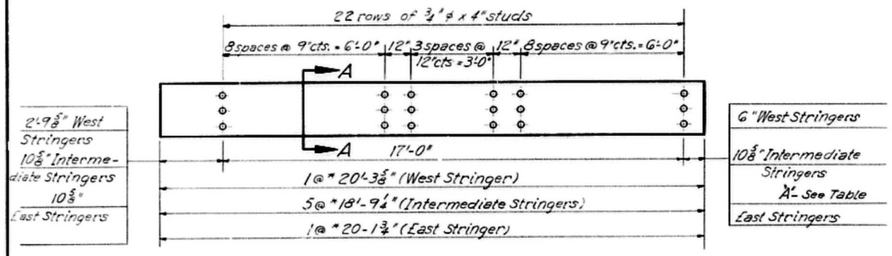
Oct 10 1968
EXAMINED
PASSED
APPROVED

STRUCTURAL STEEL-DETAILS
SPANS 9 THRU 18
SBI RTE 121-SEC. 103 B-I-1
PEORIA-TAZEWELL COUNTIES

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121	103	Peoria	39	17
F.A.I.	B-I-1	Tazewell		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

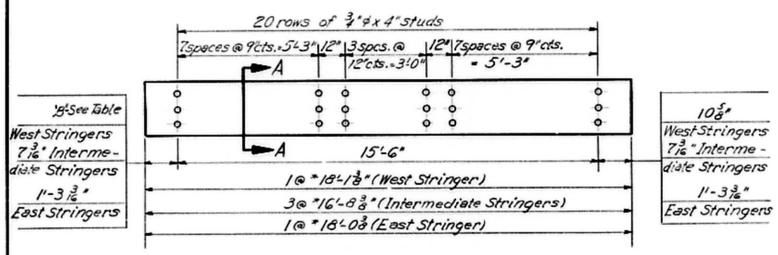
SHEET NO. 9
17 SHEETS



SPAN 9-STRINGER PLAN

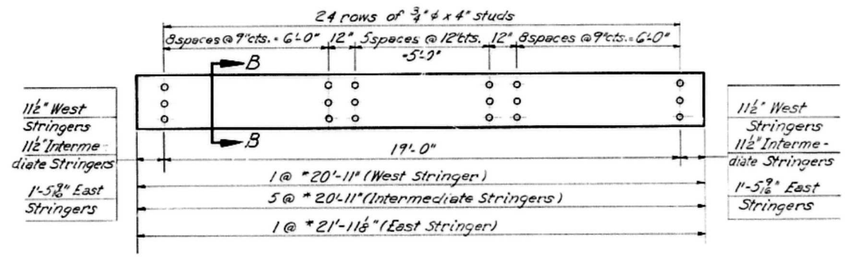
(Showing Stud spacing for all stringers in Span 9)
(new Stringers are 18 WF 55)

* New Stringer lengths



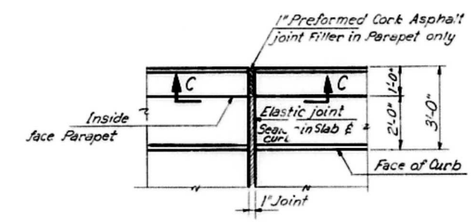
SPAN 10-STRINGER PLAN

(Showing Stud spacing for all stringers in Span 10)
(New Stringers are 18 WF 55)



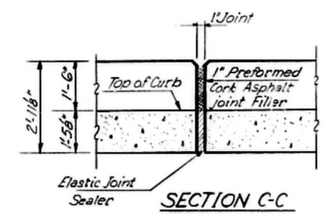
WEST HALF SPAN 15-STRINGER PLAN

(Showing stud spacing for all Stringers in West half Span 15)
(New Stringers are 21 WF 55)

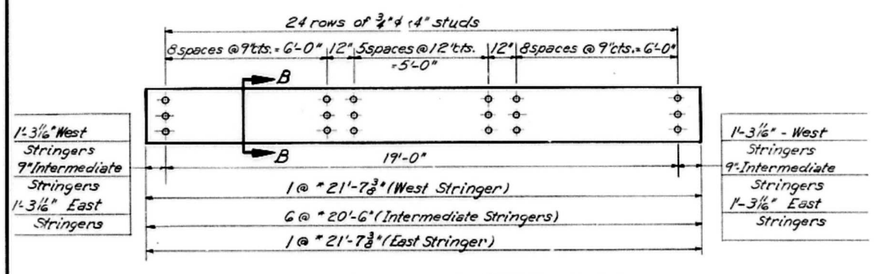


PLAN OF SIDEWALK EXPANSION JOINT

At Piers 2, 3, 7 & 8 and Bents 1, 2, 4, 5 & 6

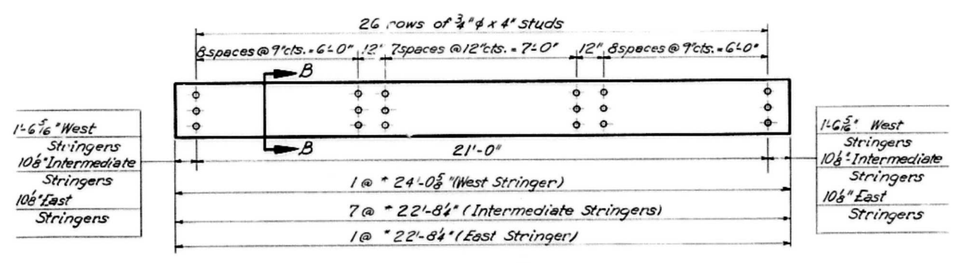


SECTION C-C



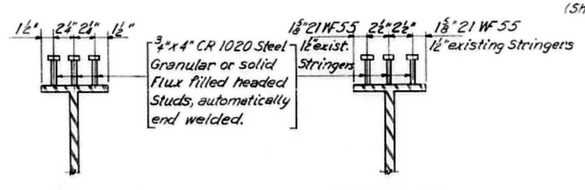
SPANS 11, 12, AND 13 - STRINGER PLAN

(Showing stud spacing for all Stringers in Spans 11, 12 & 13)
(New Stringers are 21 WF 55)



SPAN 14 -STRINGER PLAN

(Showing stud spacing for all Stringers in Span 14)
(New Stringers are 21 WF 55)



SECTION A-A

SECTION B-B

Beam	Dimension "A"	Dimension "B"
1	3'-4 5/8"	7 5/8"
2	2'-10 1/4"	1'-1 3/4"
3	2'-7 5/8"	1'-4 3/4"
4	2'-4 5/8"	1'-7 5/8"
5	2'-3 1/8"	1'-8 3/4"
6	2'-1"	1'-10 1/8"
7	1'-10"	2'-2"
8	1'-3 3/8"	2'-8"

TABLE OF A & B DIMENSIONS

DESIGNED Dan Cabulletta
CHECKED James M. Barker
DRAWN S. Ustanik
CHECKED

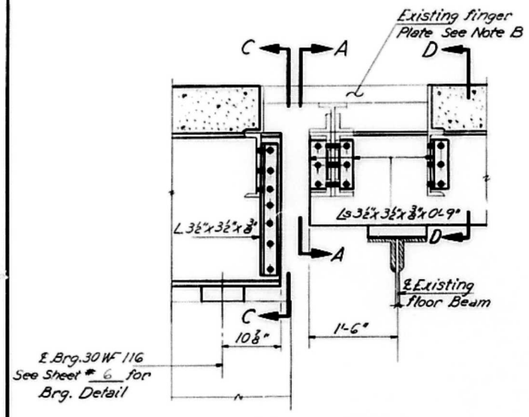
EXAMINED
PASSED
APPROVED

STRUCTURAL STEEL DETAILS
SPANS 9 THRU 18
SBI RTE. 121-SEC. 103-B-I-1
PEORIA & TAZEWELL COUNTIES

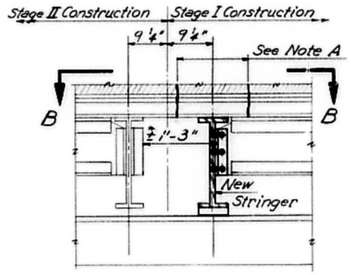
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

STATE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121	103	Peoria	39	18
	B-I-1	Tazewell		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 10
17 SHEETS



SECTION @ PIER 1



SECTION A-A

* Cut existing diaphragm as shown.

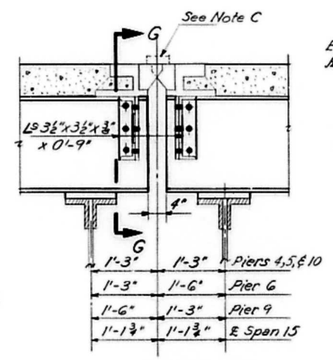
Notes:

A) Remove enough finger ℞ to seat new Stringer or Beam, then replace and Groove weld and grind flush.

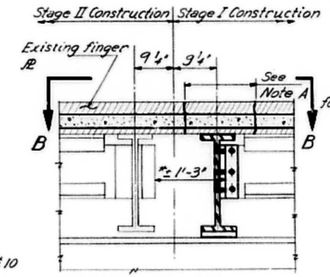
B) Lower finger ℞ @ Pier 1 to Grade.

C) Remove bar welded to finger ℞s @ Piers 4, 5, 6, 9, 10 and ℄ Span 15. Leave @ Pier 11.

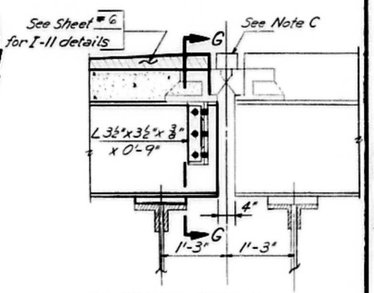
D) Ten Interior diaphragms in Spans 9, and 11 thru 18, to be handled in same manner as shown in section at Piers 7 and 8. New Slab to be continuous thru these points.



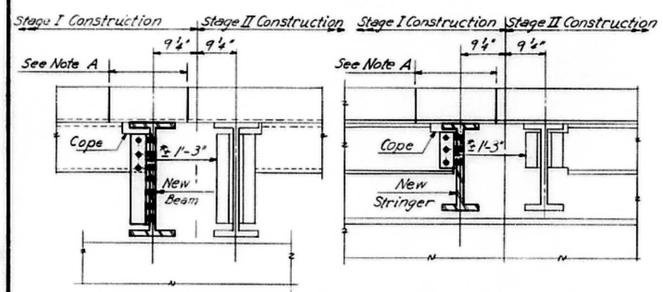
SECTION AT PIERS 4,5,6,9,10 ℄ ℄ SPAN 15



SECTION G-G

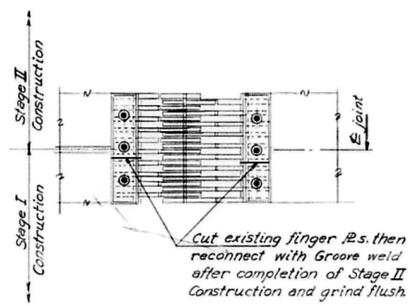


SECTION @ PIER 11

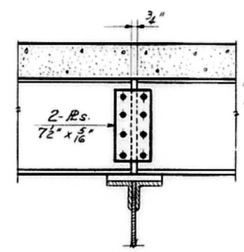


SECTION C-C

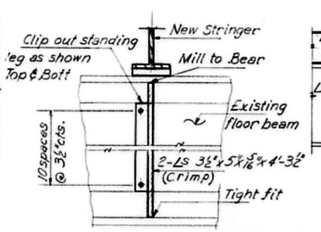
SECTION D-D



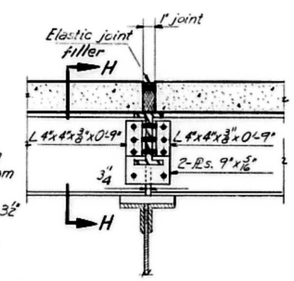
VIEW B-B



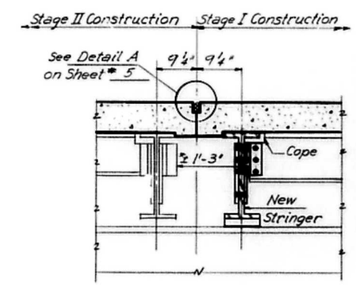
TYPICAL SECTION @ INTERMEDIATE FLOOR BMS.
(63 locations)



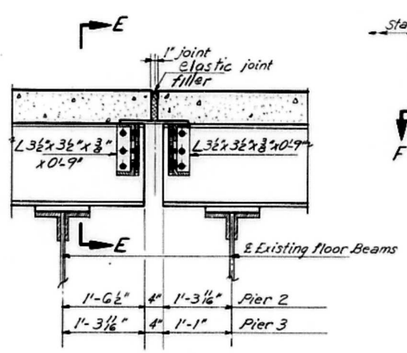
TYPICAL SEC. SHOWING NEW STIFFENERS ON EXISTING FLOOR BEAMS
(93 Required)



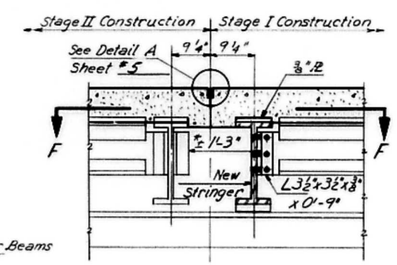
SECTION @ PIERS 7 & 8
(See Note D)



SECTION H-H



SECTION @ PIERS 2 or 3



SECTION E-E

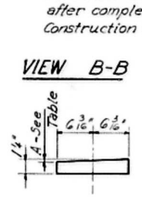
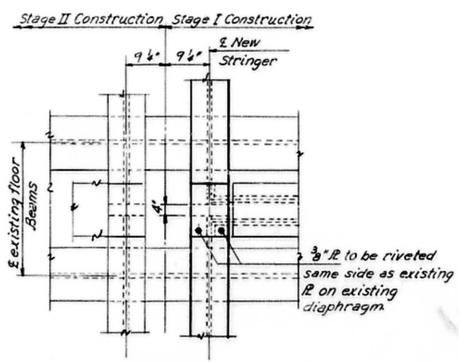
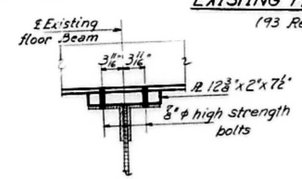


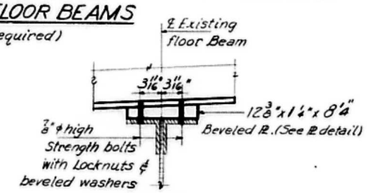
PLATE DETAIL
(Spans 11 thru 18)



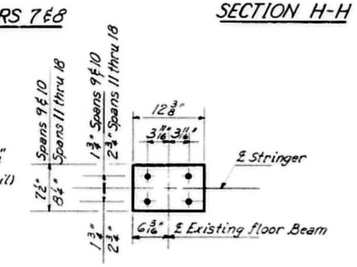
VIEW F-F



BRG. DETAIL FOR STRINGERS-SPANS 9 & 10
(14 Required)



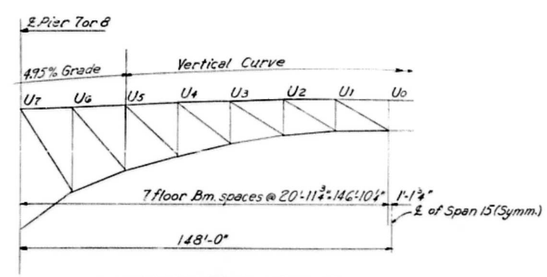
BRG. DETAIL FOR STRINGERS SPANS 11 thru 18
(79 Required)



PLAN OF BRG. PLATE

Location		Dimension-A
Spans 11 thru 14		3/16"
Spans 16 thru 18		5/16"
Span 15	U_7	1/16"
	U_6	3/16"
	U_5	5/16"
	U_4	¼"
	U_3	3/16"
	U_2	⅛"
	U_1	1/16"
	U_0	1/16"

TABLE OF A DIMENSIONS



HALF ELEVATION-SPAN 15
(Showing Brg. ℞ Locations)

STRUCTURAL STEEL DETAILS
SPANS 9 thru 18
SBI RTE. 121-SEC. 103 B-I-1
PEORIA & TAZEWELL CO'S

DESIGNED	Van Chilton
CHECKED	James M. Parker
DRAWN	S. Ustanik
CHECKED	

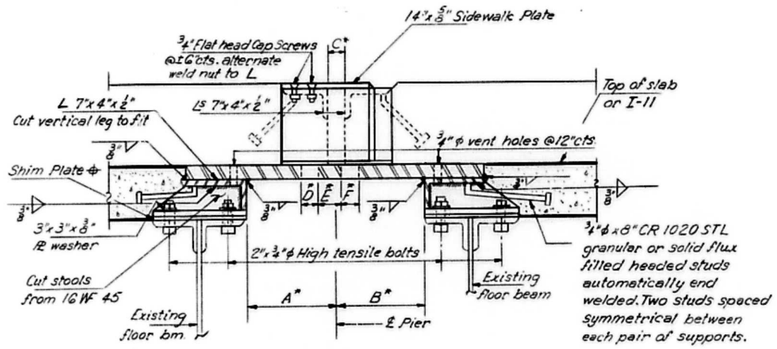
EXAMINED — 19 68
PASSED — H. E. Bunner
APPROVED

Peoria - Tazewell Co.
D.24
4

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121	103B-1-1	Peoria Tazewell	39	19
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 11
17 SHEETS

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



φ 1/4" Normal Shim plus one 1/8" and two 1/16" Shims to permit height adjustment at all supports.

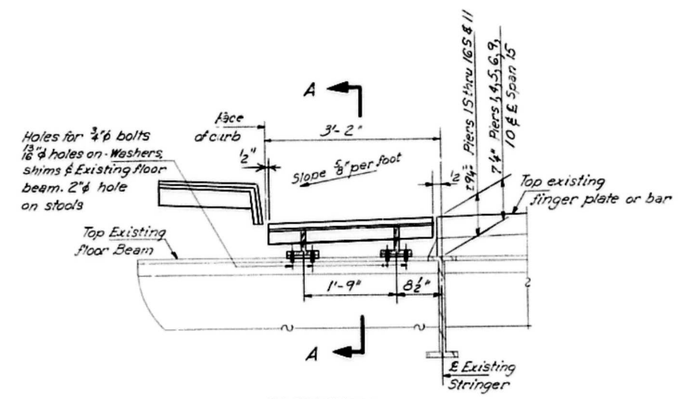
*Increase these dimensions for each 15°F variation under the normal temperature of 50°F as follows:
Pier 1 = 1/2"
Piers 4,5,6,9,10,11 and 2S thru 16S = 3/16"
Pier 1S = 3/8"
℄ Span 15 = 1/4"
Decrease dimensions by the same amount for temperatures above normal.

SECTION A-A

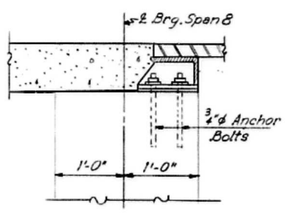
Looking North Piers 1,4,5,6,10,11
℄ Span 15 ℄ Piers 2S thru 16S
Looking South Pier 9

TABLE OF DIMENSIONS

	A	B	C	D	E	F
Pier 1	9"	8 5/8"	3 3/4"	3 3/4"	4 1/2"	3 3/4"
Piers 4,5,10 & 11	9 3/8"	9 1/8"	1 3/4"	1 3/4"	2 1/2"	1 3/4"
Piers 6 & 9	9 7/8"	1'-0 1/8"	1 3/4"	1 3/4"	2 1/2"	1 3/4"
℄ Span 15	8 5/8"	8 5/8"	2 3/8"	2 3/8"	3 1/8"	2 3/8"
Pier 1S	9 7/8"	9 1/8"	2 3/4"	2 3/4"	3 1/2"	2 3/4"
Piers 2S thru 16S	1'-0 1/4"	1'-0 1/8"	1 3/4"	1 3/4"	2 1/2"	1 3/4"

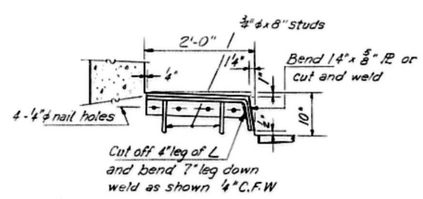


ELEVATION



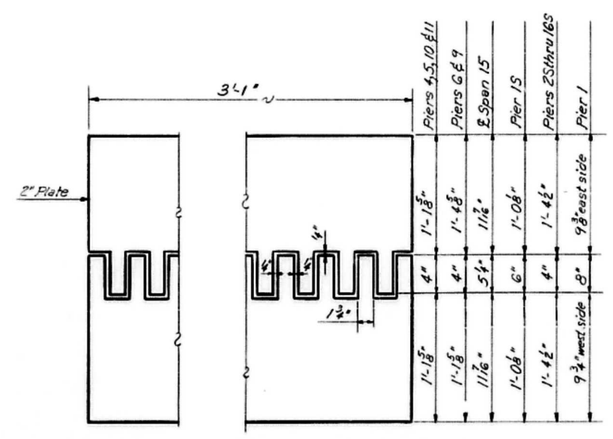
SECTION SHOWING METHOD OF ANCHORING STOOLS @ PIER 1

(Remainder of details. Same as Sec. A-A)



SECTION THRU CURB

Top sidewalk ℞ shall be seam welded to side ℞ only.
The assembly shall not be attached in the field until forms have been removed.



DETAIL OF FLAME CUT PLATE

(Plate shall be match-marked)

DESIGNED	Dan Schulter
CHECKED	James M. Barker
DRAWN	ustanik
CHECKED	

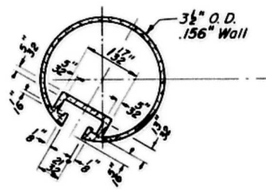
EXAMINED Oct 9 1968 Carl E. Thunman Jr
Engineer of Bridge and Traffic Structures
PASSED
Engineer of Design
APPROVED
Chief Highway Engineer

EXPANSION DETAILS
S.B.I. RTE. 121-SEC. 103B-1-1
PEORIA-TAZEWELL CO'S

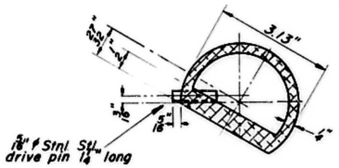
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. Rte. 121	103 B-I-1	Peoria Tazewell	39	20
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

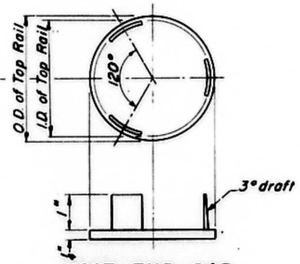
SHEET NO. 12
17 SHEETS



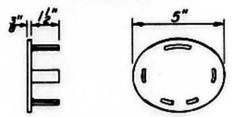
SECTION THRU TOP RAIL



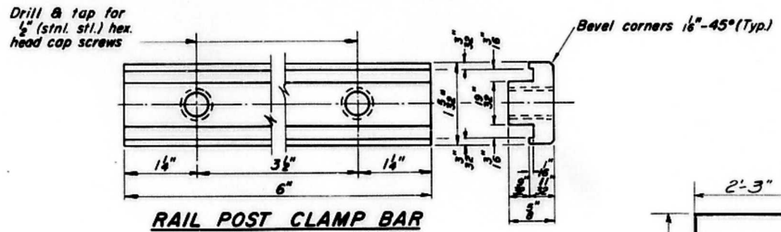
SECTION THRU SPLICE
TOP RAIL



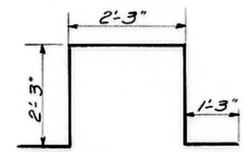
CAST END CAP
For Top Rail
4 Required



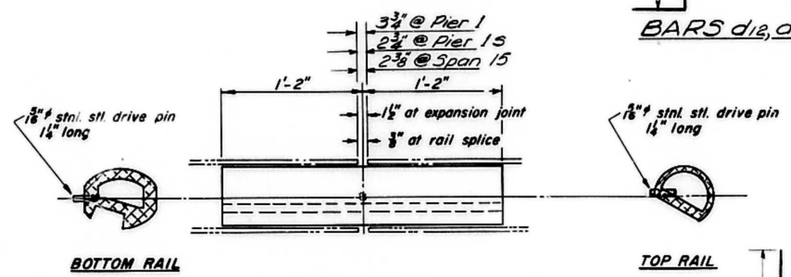
CAST END CAP
For Bottom Rail
DRIVE FIT TYPE
4 Required



RAIL POST CLAMP BAR
For Top Rail



BARS d12, d22 & d35

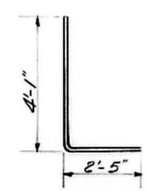


BOTTOM RAIL

RAIL SPLICE

TOP RAIL

BARS d13, d23 & d36



ANCHOR BOLT DETAIL
(Cost incidental to Light Std)

NOTES:

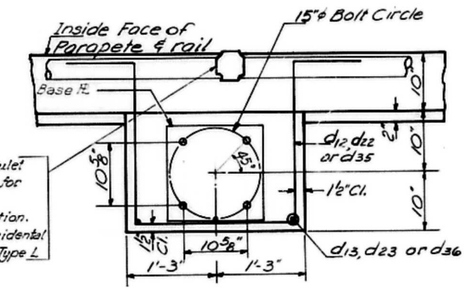
All Posts shall be normal to parapet.

All Aluminum Alloy Extruded Rail shall be supplied in modular lengths of 30 feet, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300 foot radius or less, the modular lengths may be reduced but shall be attached to a minimum of 2 posts.

All joints in rail shall be spliced per detail.

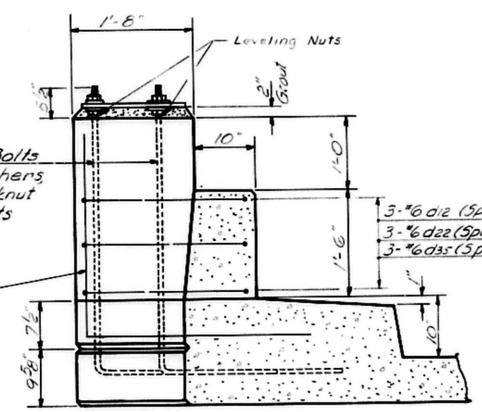
Provide 1-⅛" and 2-1/16" Aluminum Shims for 25 % of the Posts. Rail elements shall be parallel to Grade – high spots shall be ground and low spots shimmed.

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 lineal foot for ALUMINUM RAILING, TYPE L.



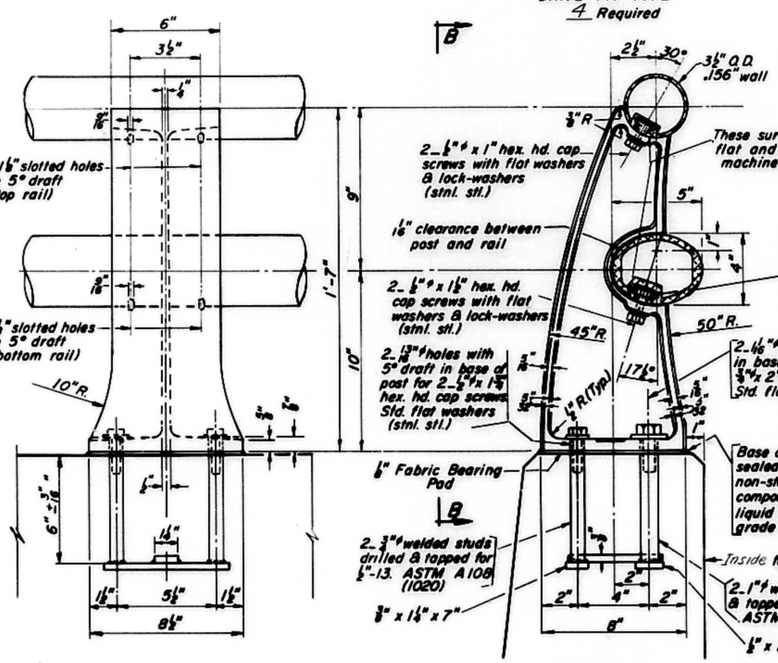
3" Aluminum Conduit See sheet #29 of 39 for details. See Special Provisions for location. Cost of Conduit incidental to Aluminum Railing Type L

PLAN



SECTION NEAR LIGHT STD.
(1½"ϕ holes to be cut in web of sidewalk stringer for Anchor Bolts & 1"ϕ holes for d13 bars - Spans 2 thru 8)

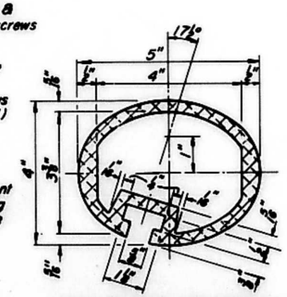
1¼"ϕ x 6'-6" Anchor Bolts Provide 2 flat washers 1 regular nut & 1 locknut for each bolt. All nuts & washers must be galvanized.



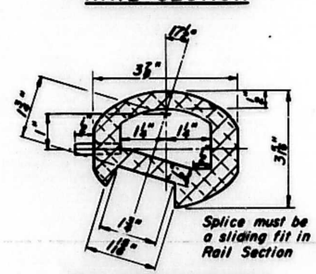
VIEW B-B

SECTION A-A

RAIL POST DETAILS

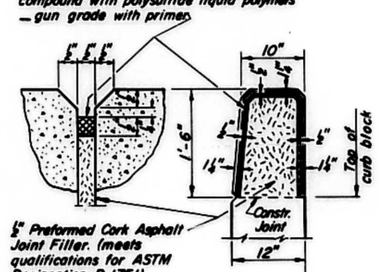


SEC. THRU ELLIPTICAL RAIL SECTION



SEC. THRU SPLICE

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



½" Preformed Cork Asphalt Joint Filler. (meets qualifications for ASTM Designation D 1751) Cost incidental.

PARAPET JOINT DETAIL

TYPE L
ALUMINUM RAILING
S.B.I. RTE. 121 - SEC. 103 B-I-1
PEORIA-TAZEWELL COUNTIES

DESIGNED	Dan Gilton
CHECKED	Francis M. Barker
RE-DRAWN	A. Barraza, Wm. M. Best 5-56
CHECKED	

Oct 9 1968
EXAMINED Carl E. Thuman Jr. ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED ENGINEER OF DESIGN
APPROVED CHIEF HIGHWAY ENGINEER

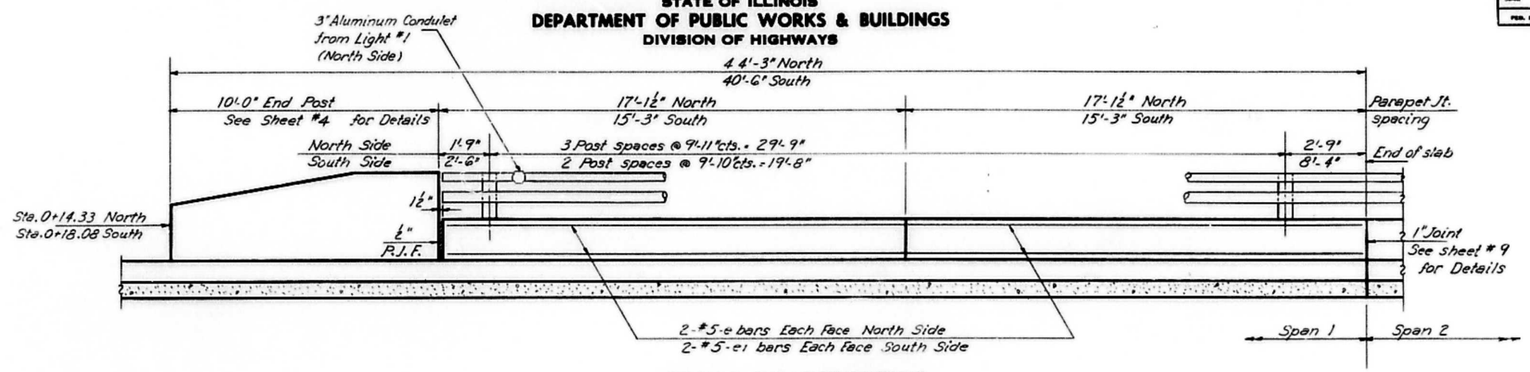
R-20 2-8-67 5-20-68

Rev 10/23/68 WHG

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S.U. 121 Rte.	103B-I-1	Peoria Tazewell	39	21
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

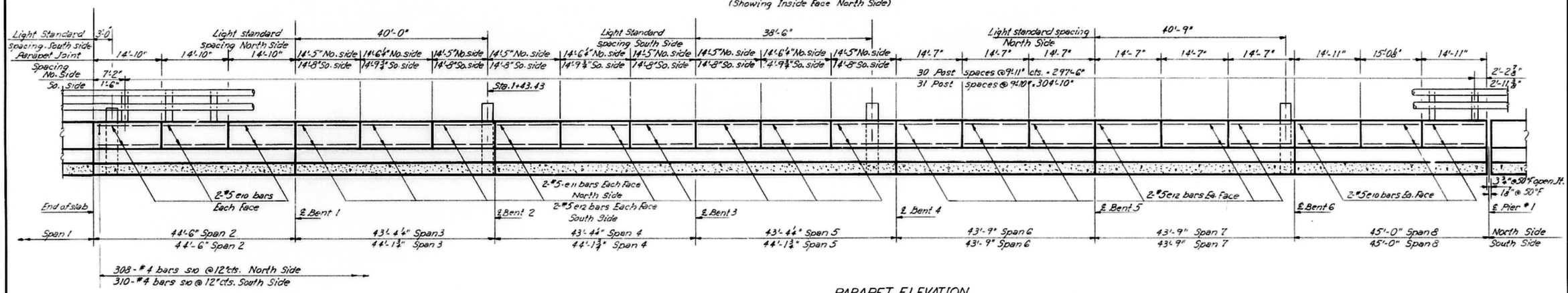
SHEET NO. 13
17 SHEETS

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



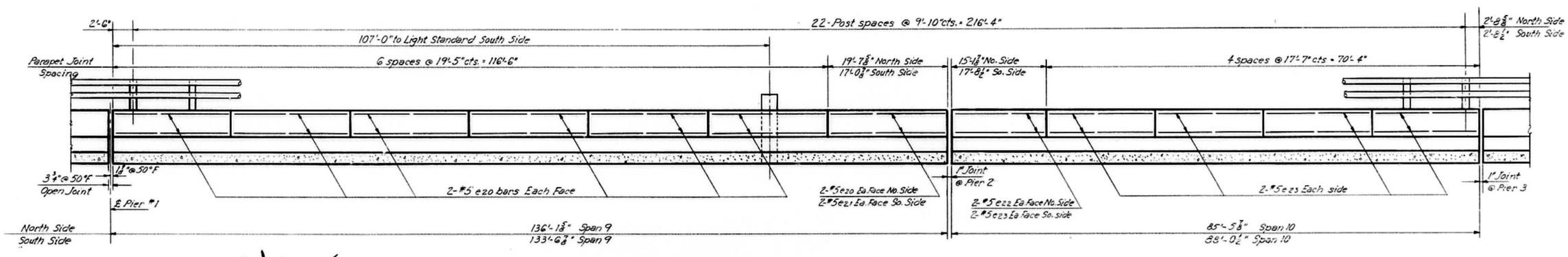
SPAN 1-PARAPET DETAILS

(Showing Inside Face North Side)



PARAPET ELEVATION

(Showing Inside face)
Dimensions along inside face of Parapet



DESIGNED	Dan Chilton
CHECKED	Jamie M. Barker
DRAWN	ustanik
CHECKED	B

EXAMINED Oct 9 1968 Earl E. Hunman Jr.
PASSED
APPROVED

PARAPET ELEVATION

(Showing Inside face)
(See Special Provisions for location of Remaining Conduits)

Notes:
See sheet #9 for Joint details @ Bents 1, 2, 4, 5 & 6

See sheet #9 for details of joints @ Piers 2 & 3

See sheet #12 for light Pole Mounting.

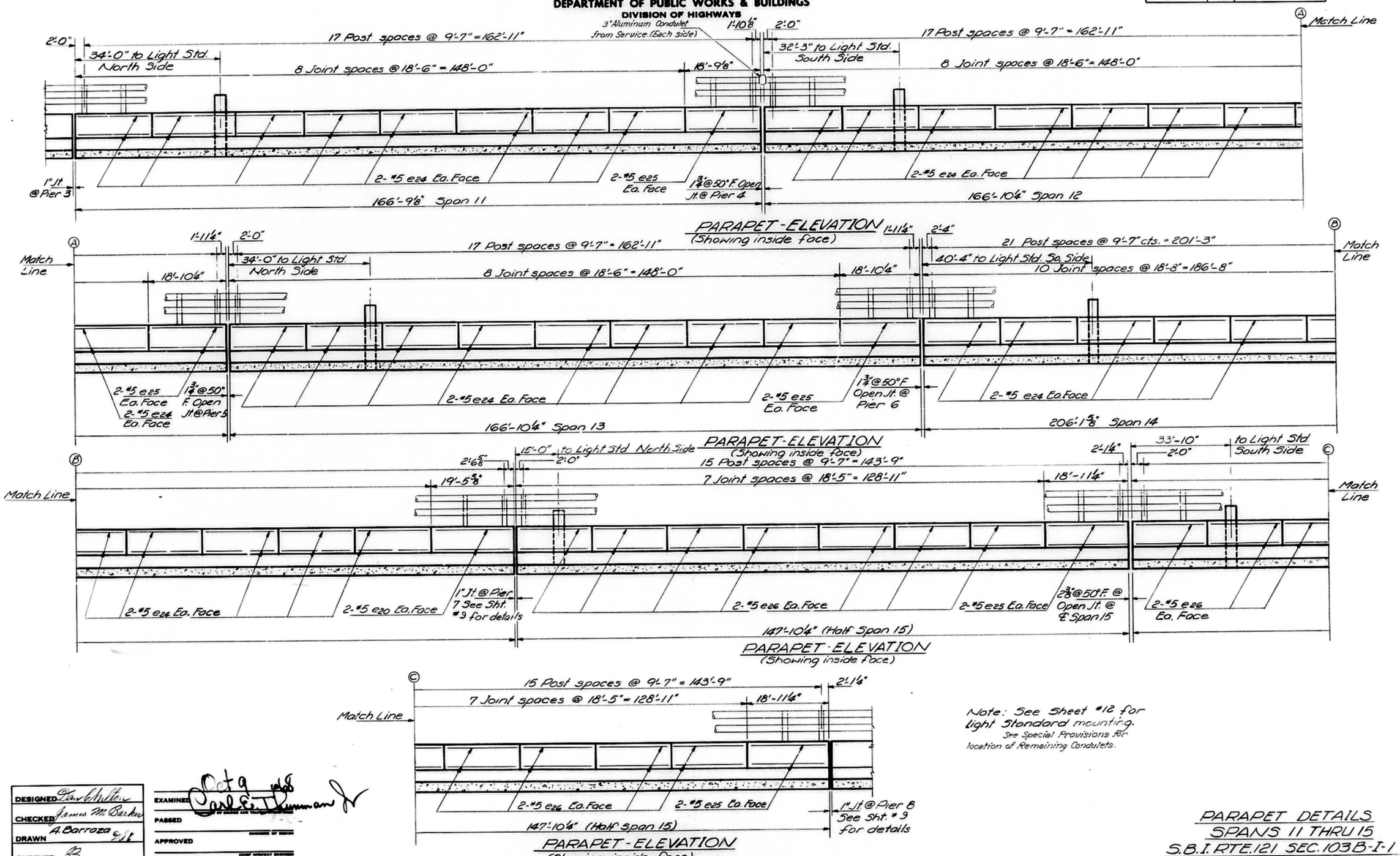
PARAPET DETAILS
SPANS 1 THRU 10
S.B.I. RTE. 121-SEC. 103B-I-1
PEORIA-TAZEWELL CO'S

Rev. 10/25/68 NNG

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121	103	Peoria	39	22
Rte.	B-I-1	Tazewell		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 14
17 SHEETS

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



Note: See Sheet #12 for light Standard mounting.
See Special Provisions for location of Remaining Conduits.

DESIGNED	Tom Walter
CHECKED	James M. Barker
DRAWN	A. Barraza
CHECKED	JB

EXAMINED — Oct 9 1968 — Carl E. Thunman Jr. — ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED — ENGINEER OF DESIGN
APPROVED — CHIEF HIGHWAY ENGINEER

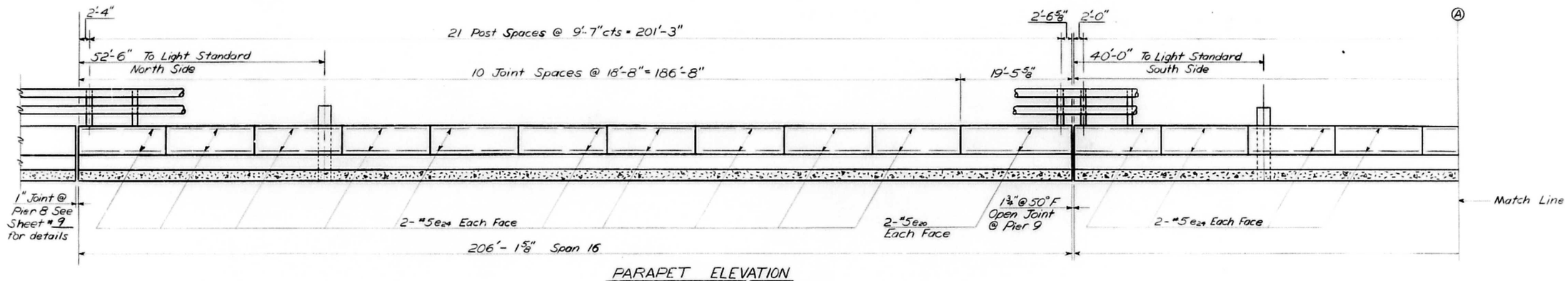
PARAPET DETAILS
SPANS 11 THRU 15
S.B.I. RTE. 121 SEC. 103 B-I-1
PEORIA-TAZEWELL COUNTIES

Rev 10/23/68 WWG

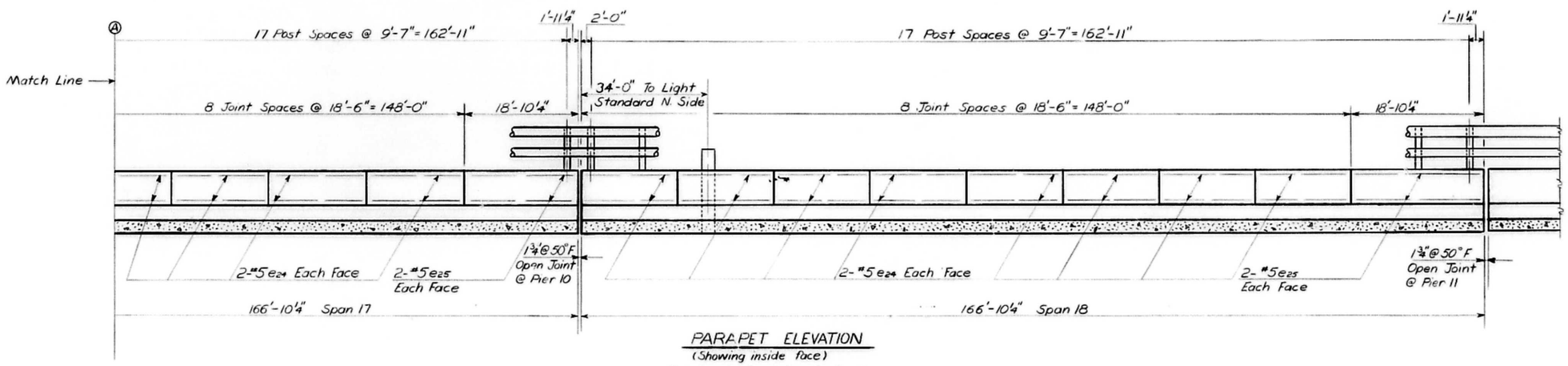
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121 Rte.	103 B-I-1	Peoria Tazewell	39	23
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 15
17 SHEETS

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



PARAPET ELEVATION
(Showing inside face)



PARAPET ELEVATION
(Showing inside face)
(See Special Provisions for location of Remaining Conduits.)

Note:
Sheet # 12
for details of
Light Standard Mounting

DESIGNED	Don Chilton
CHECKED	James M. Baker
DRAWN	MB DLC
CHECKED	JB

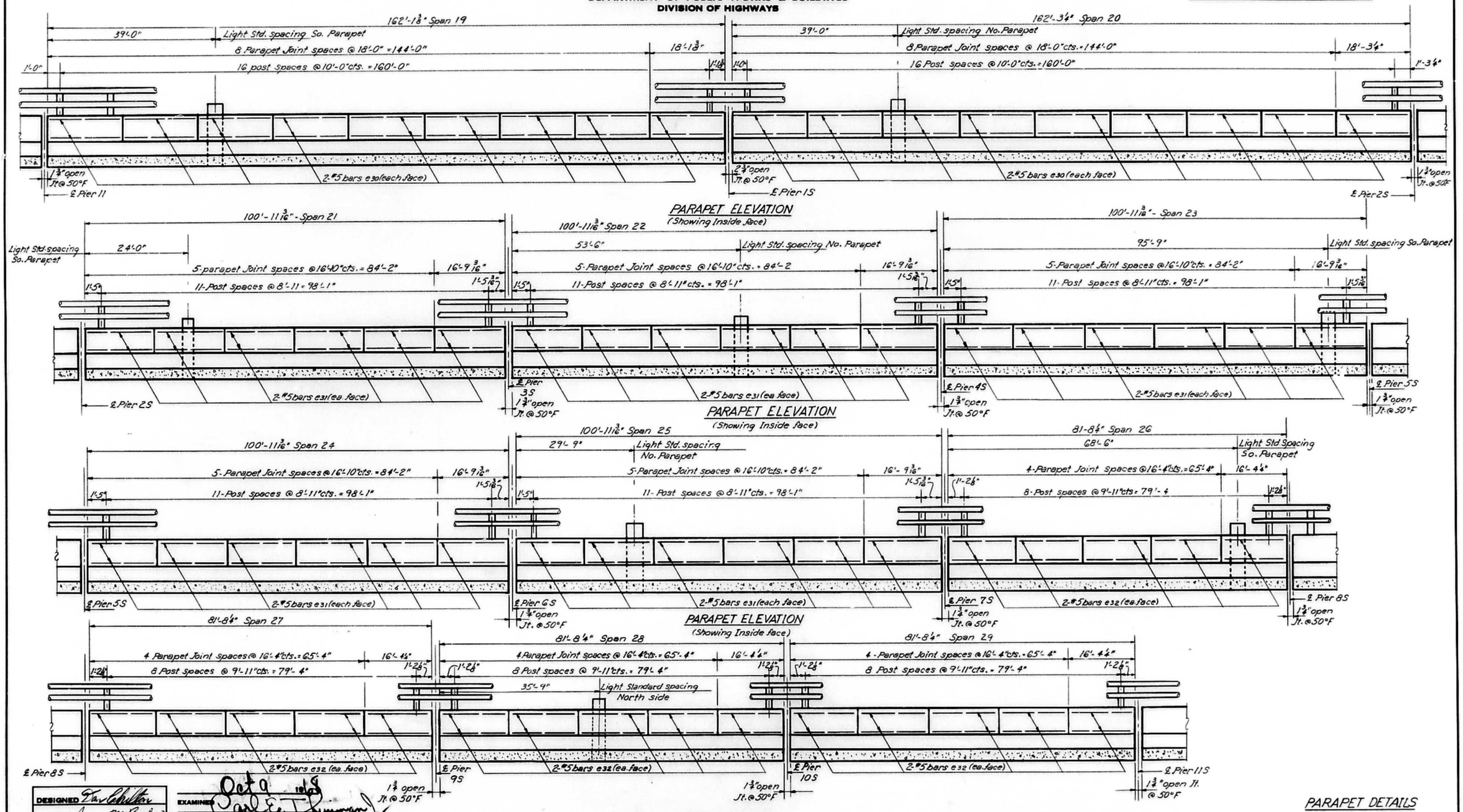
EXAMINED Oct 9 1968 Carl E. Thomas Jr.
DIRECTOR OF STATE AID AND TRUCK OPERATION
PASSED
ENGINEER OF DESIGN
APPROVED
CHIEF HIGHWAY ENGINEER

PARAPET DETAILS
Spans 16, 17, & 18
SBI RTE 121 - SEC. 103 B-I-1
PEORIA - TAZEWELL CO'S.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 121	103 B-F-1	Peoria Tazewell	39	24
"OL" BRIDGE SHEET NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 16
17 SHEETS

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



PARAPET ELEVATION
(Showing Inside face)
(See Special Provisions for location of Remaining Conduits.)

Note:
See Sheet #12 for details of Light Standard Mounting.

DESIGNED	F. W. Schulter
CHECKED	James M. Baker
DRAWN	ustanik 8-86
CHECKED	JB

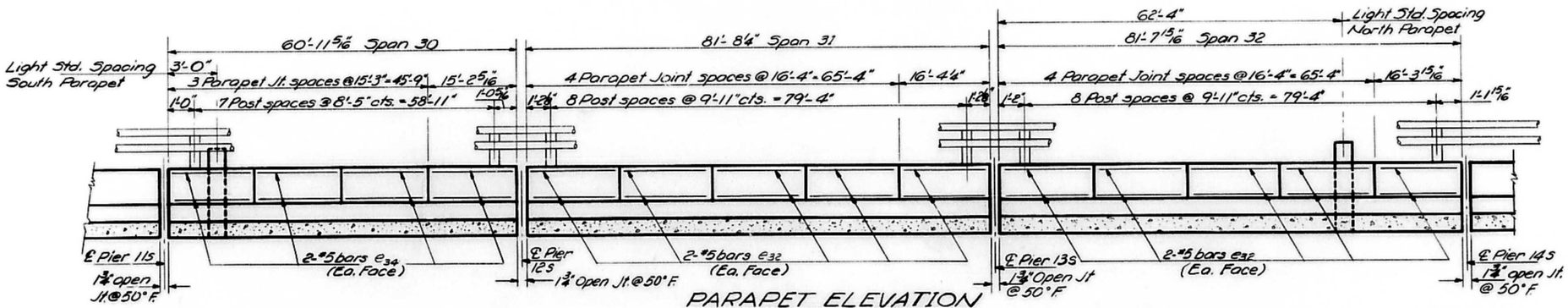
EXAMINED Oct 9 1986
PASSED
APPROVED

PARAPET DETAILS
SPANS 19 THRU 29
S.B.I. RTE. 121-SEC. 103 B-F-1
PEORIA-TAZEWELL CO'S

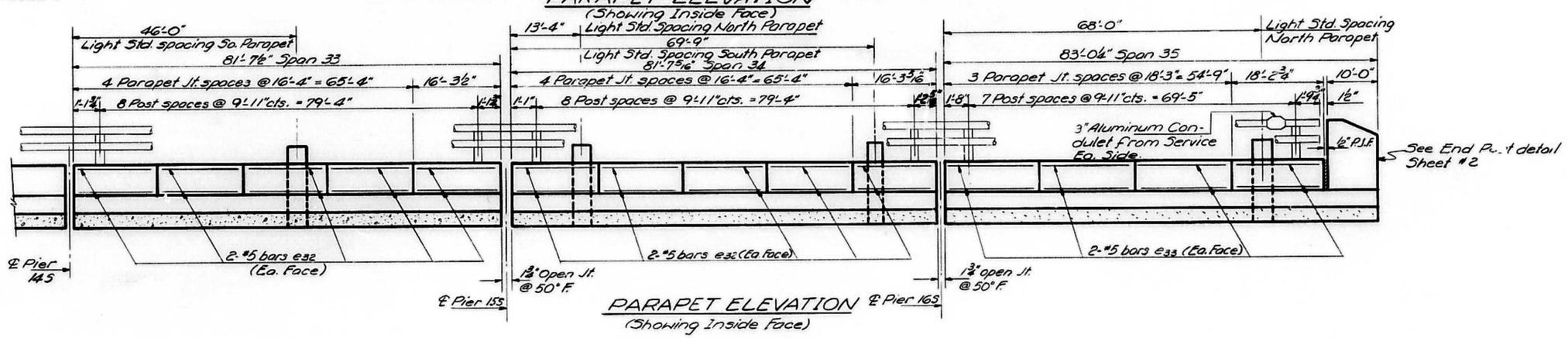
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121	103	Peoria	39	25
	B-I-1	Tazewell		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 17
17 SHEETS

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



PARAPET ELEVATION
(Showing Inside Face)



PARAPET ELEVATION
(Showing Inside Face)

See Special Provisions for location of Remaining condulets

Note: See Sheet #12 for Light Standard mounting

PARAPET AND RAILS BILL OF MATERIAL SPANS 1 THRU 35

Bar	No.	Size	Length	Shape
d2	6	#4	4'-5"	⊓
d3	6	#4	5'-7"	⊓
d4	8	#4	6'-9"	⊓
d32	6	#4	4'-5"	⊓
d33	6	#4	5'-7"	⊓
d34	8	#4	6'-9"	⊓
e	8	#5	16'-9	—
e1	8	#5	15'-0	—
e2	12	#5	9'-9"	—
e10	48	#5	14'-6"	—
e11	36	#5	14'-0"	—
e12	84	#5	14'-3"	—
e20	68	#5	19'-0"	—
e21	4	#5	16'-9"	—
e22	4	#5	14'-9"	—
e23	36	#5	17'-3	—

Bar	No.	Size	Length	Shape
e24	480	#5	18'-3"	—
e25	56	#5	18'-6"	—
e26	112	#5	18'-0"	—
e30	144	#5	17'-9"	—
e31	240	#5	16'-6"	—
e32	320	#5	16'-0"	—
e33	32	#5	18'-0"	—
e34	32	#5	15'-0"	—
e35	12	#5	9'-9"	—
s10	618	#4	2'-10"	◘
Class X Concrete			Cu. Yds.	393.0
Reinforcement Bars			Lbs.	32,010

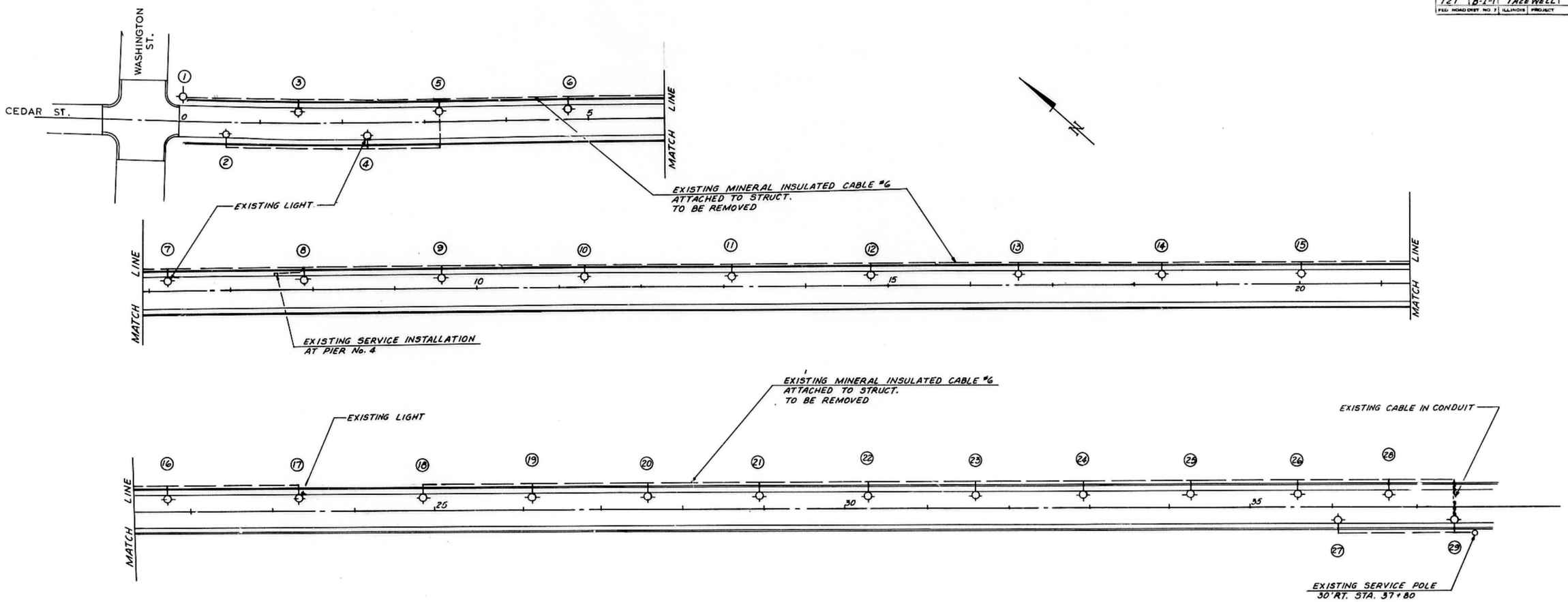
DESIGNED	Dan Chilton
CHECKED	James M. Baker
DRAWN	A. Barrera 9-28
CHECKED	JB

EXAMINED Oct 9 1968 Carl E. Thunman Jr
CHIEF ENGINEER OF DIRECT AID TRAFFIC ENGINEERING
PASSED
ENGINEER OF DESIGN
APPROVED
CHIEF HIGHWAY ENGINEER

PARAPET & RAILS
SPANS 30 THRU 35
S.B.I RTE. 121 SEC. 103B-1-1
PEORIA-TAZEWELL COUNTIES

Rev. 10/23/68 NHG

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
581 121	103 B-1-1	PEORIA TAZEWELL	39	26
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



WIRING DIAGRAM OF EXISTING LIGHTS

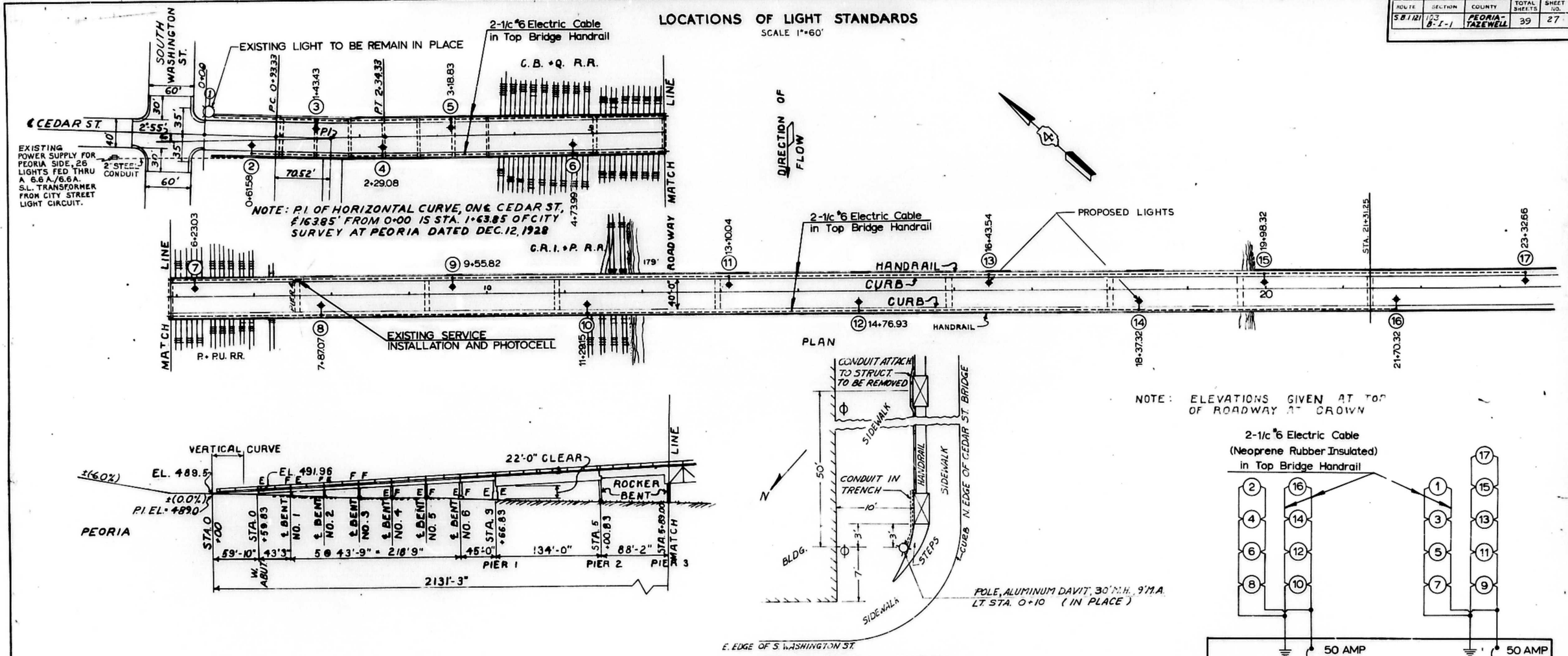
LOCATION & WIRING DIAGRAM OF EXISTING LIGHTS

CEDAR STREET BRIDGE

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I.121	103 B-I-1	PEORIA-TAZEWELL	39	27

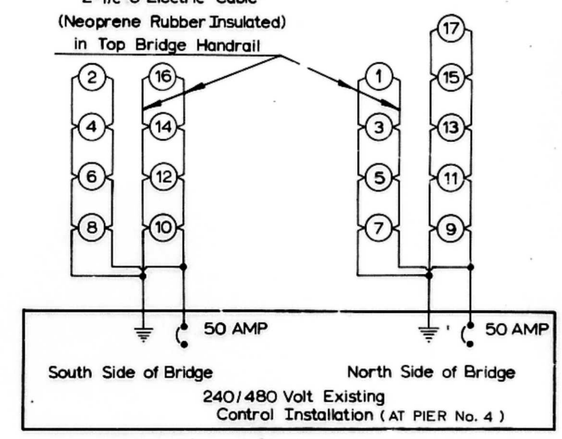
LOCATIONS OF LIGHT STANDARDS

SCALE 1"=60'

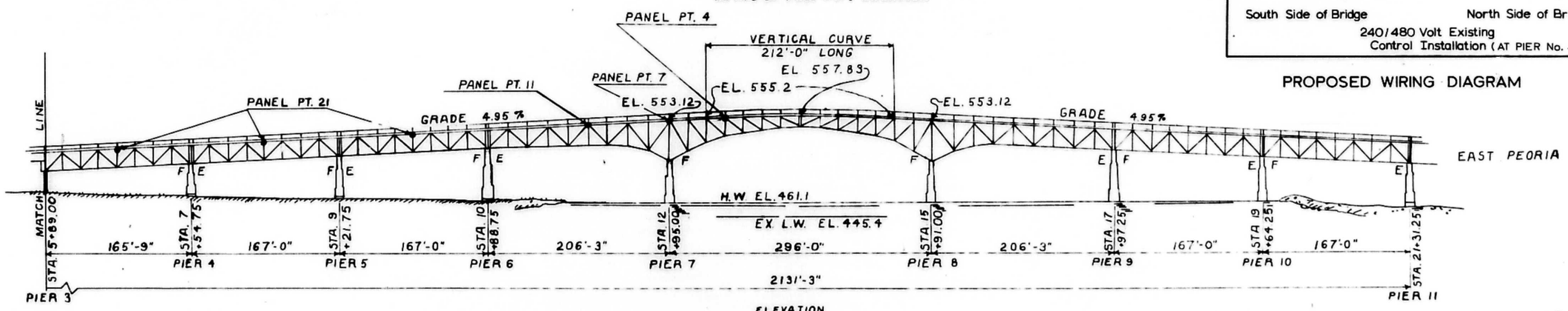


DETAIL OF POLE NO. 1 LOCATION

NOTE: ELEVATIONS GIVEN AT TOP OF ROADWAY AT CROWN



PROPOSED WIRING DIAGRAM



ELEVATION

CITY PORTION OF BRIDGE

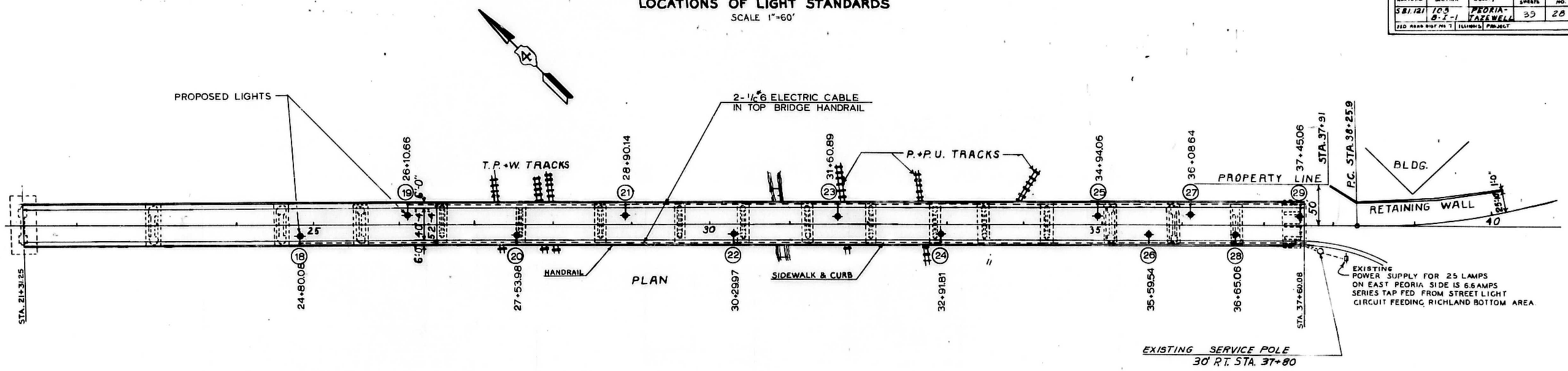
CEDAR STREET BRIDGE

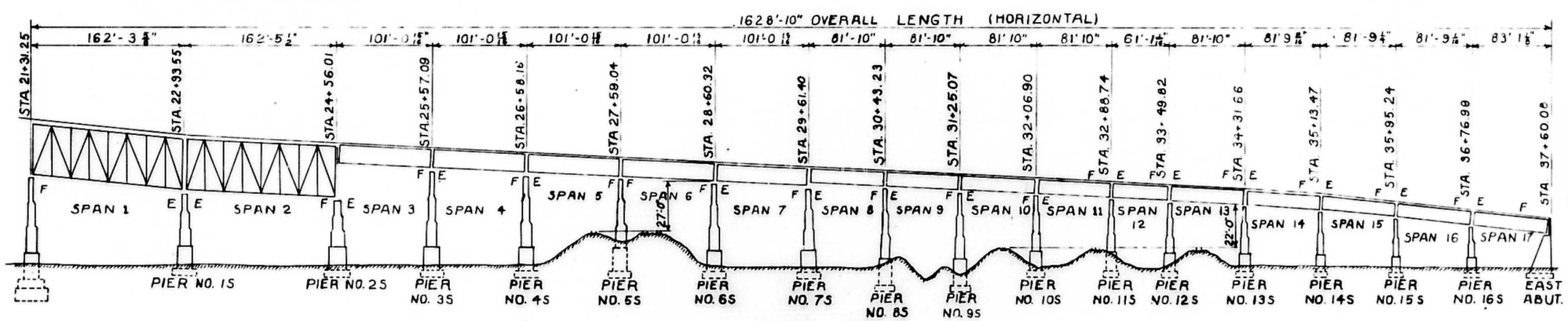
SCALE 1"=60'

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 121	10.5 B-I-1	PEORIA-TAZEWELL	33	28
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

LOCATIONS OF LIGHT STANDARDS

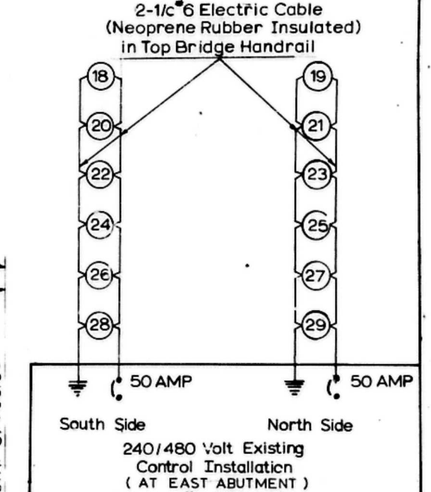
SCALE 1"=60'





ELEVATION

STATE PORTION OF BRIDGE

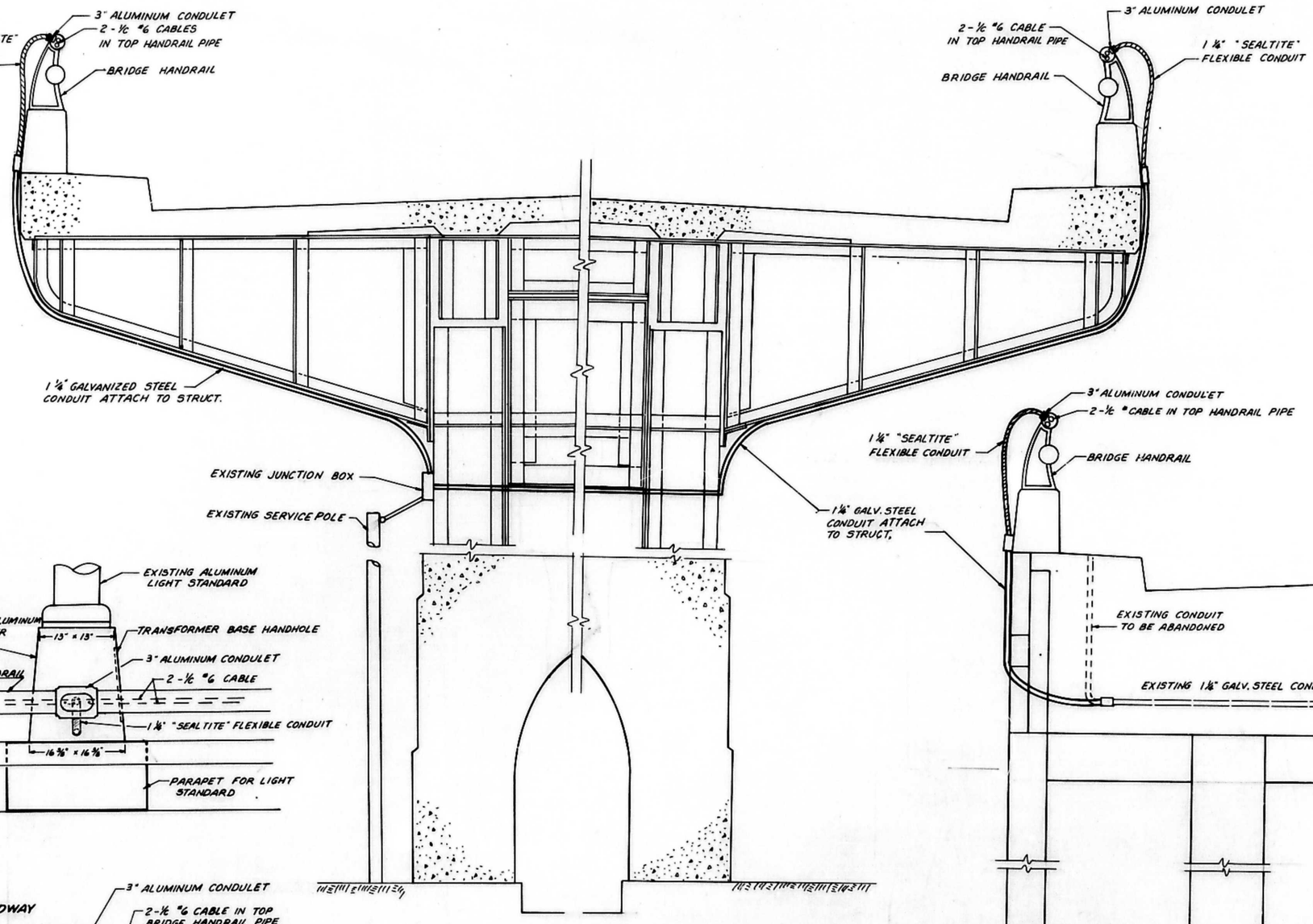


PROPOSED WIRING DIAGRAM

CEDAR STREET BRIDGE

SCALE 1"=60'

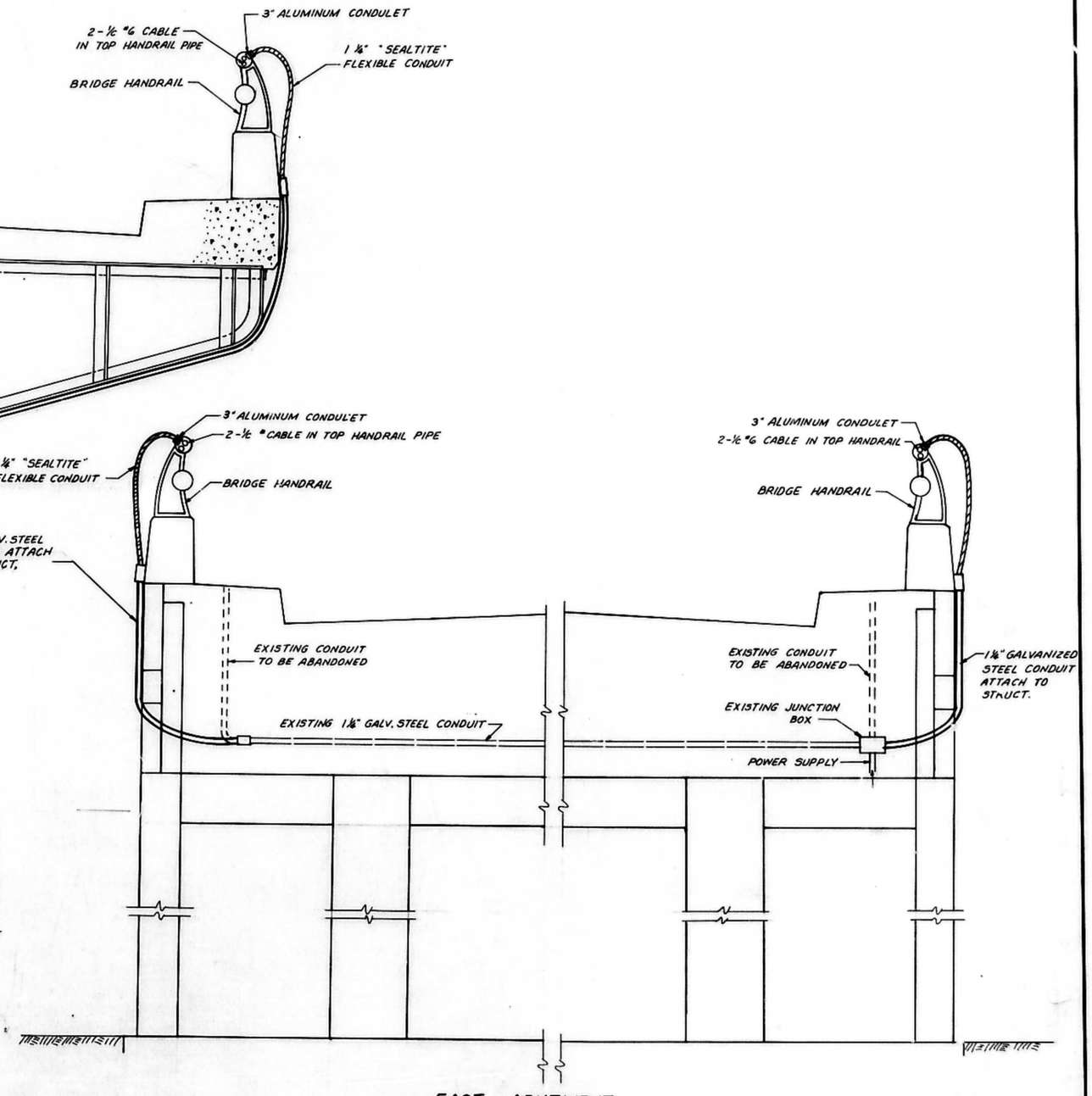
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
SBI 121	103 B-I-1	PEORIA TAZEWELL	39	29



PIER No. 4

DETAIL OF POWER SUPPLY CONNECTION

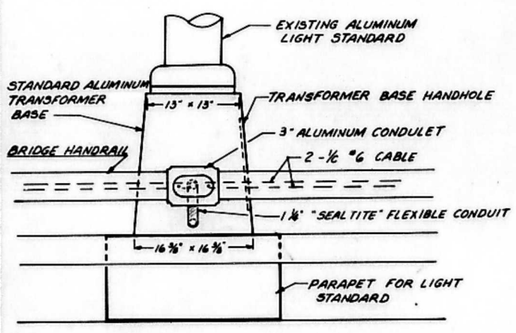
FOR LIGHTS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

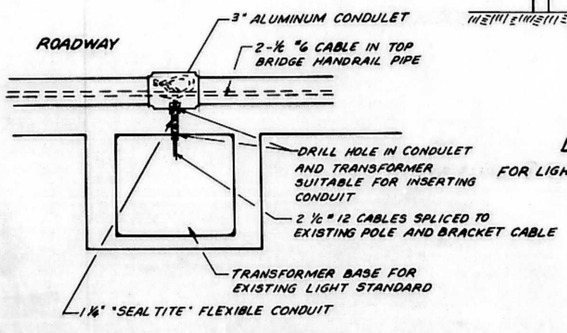


EAST ABUTMENT

DETAIL OF POWER SUPPLY CONNECTION

FOR LIGHTS 18 19 20 21 22 23 24 25 26 27 28 29





DETAIL AT LIGHT STANDARD LOCATION

DETAIL AT LIGHT STANDARD LOCATION, POWER SUPPLY CONNECTION

CEDAR STREET BRIDGE

Rev 10/23/68 WWG