

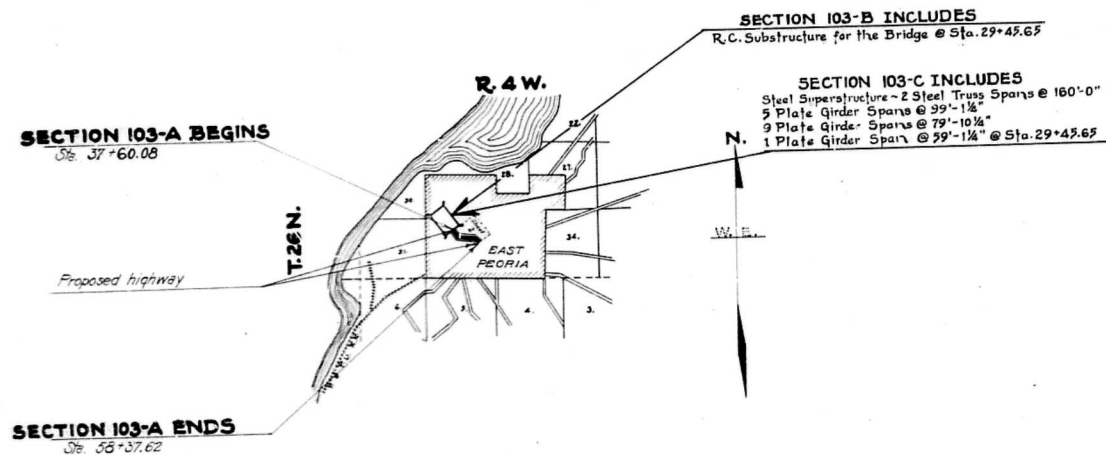
INDEX TO SHEETS.

Section 103-A	
Sheet No. 1	Title Page
2	Plan and Profile Sta. 37+60.08 to Sta. 38+37.62
3	Detail Showing Sanford Street Approach and Retaining Wall Location
4	Detail Showing Intersection of Route 121 with West Washington Street
5	Detail of Borrow Pit No. 2
6	
7-12	Inclusive Cross Sections
13	Special Culvert Design Sta. 38+90; 41+41
13	Standard No. 1162.

Sections 103-B & C	
1	Title Page
2	Plan and Profile
3	Detail Showing Retaining Wall & Sanford St. Approach.
4-34	Inclusive - Special Bridge Design at Sta. 29+43.65.
35	Standard No. 1177.

PROJ. 131.
ROUTE 121, SECTIONS 103A B C, TAZEWELL CO.

From a point near the S.E. corner of the N.W. 1/4 of the N.W. 1/4 sect. 32, T.26N., R.4W. of 3rd P.M.
 To a point near the center of the S.W. 1/4 of the N.E. 1/4 of sect. 32, T.26N., R.4W. of 3rd P.M.



LAYOUT.

Approximate scale: 1" = 1 mile
 Net length of layout: 3706.37 ft. (0.7020 mi.)

STATE OF ILLINOIS	
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS	
DIVISION OF HIGHWAYS	
DESIGNED	June 9, 1926
Three Plans	
PREPARED	July 29, 1926
REVIEWED	July 29, 1926
APPROVED	July 29, 1926

NW 1/4 SEC 32 T26N R4W 3PM.

SECTION 103-B & C

SECTION 103-A BEGINS
STATION 37+60.08

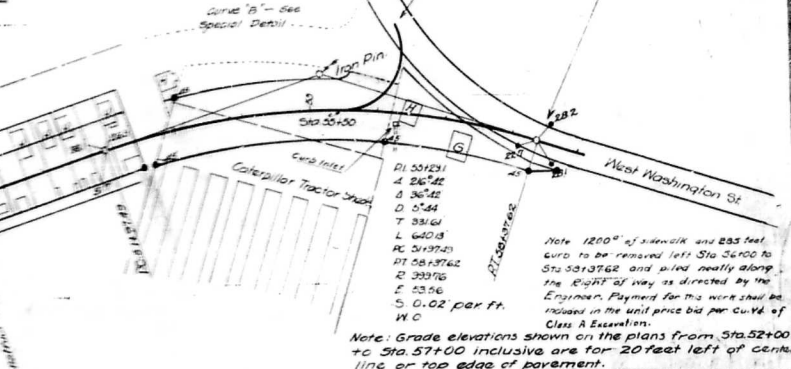
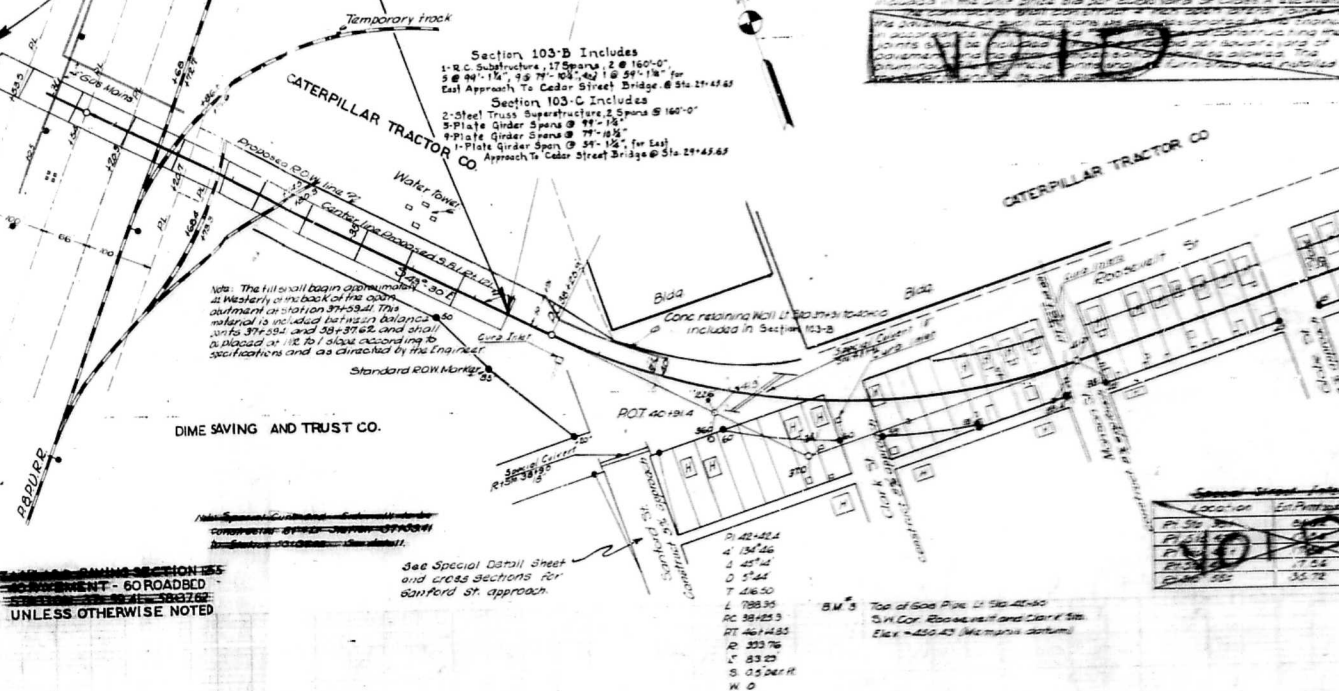
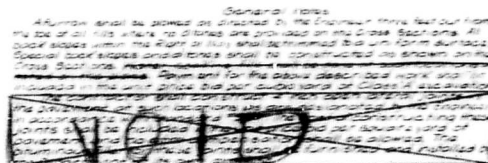
PROPOSED IMPROVEMENT ENDS
STATION 58+37.62
STATION 57+28.3

DATE	BY	REVISION	NO.
12/1	J. J. Torgerson	35	2
12/1	J. J. Torgerson	35	2

EAST PEORIA

DESIGN CHECKED
D.H. CUNNINGHAM

PLAN SURVEYED
D.H. CUNNINGHAM
2-1-42

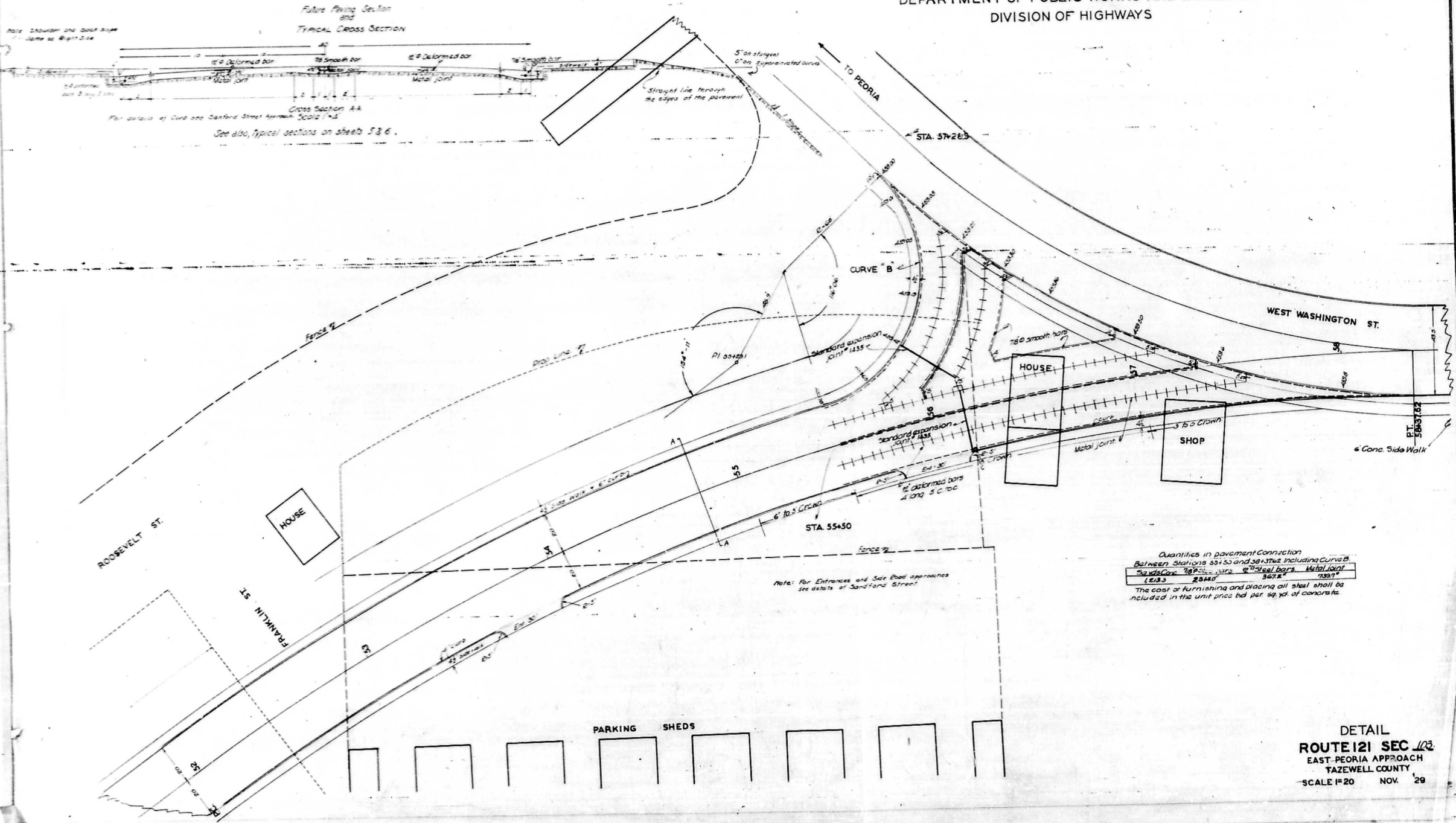


LOCATION	ENT. POINT	CURVE DATA
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St. 36+40	36+40	111.8
St. 36+80	36+80	111.8
St. 37+20	37+20	111.8
St. 37+60	37+60	111.8
St. 38+00	38+00	111.8
St. 38+40	38+40	111.8
St. 38+80	38+80	111.8
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St. 39+60	39+60	111.8
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St. 41+60	41+60	111.8
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St. 92+00	92+00	111.8
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St. 93+60	93+60	111.8
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St. 98+40	98+40	111.8
St. 98+80	98+80	111.8
St. 99+20	99+20	111.8
St. 99+60	99+60	111.8
St. 100+00	100+00	111.8

Computed Quantities for Approach Grades		
Location	Fill	Remarks
Ex. Gr. 36+ Sanford St.	8554	Included in Barren
Ex. Gr. 42+ Clark St.	1118	" " "
Ex. Gr. 46+ Monroe St.	611	" " "
Ex. Gr. 48+ Globe St.	391	" " "
Ex. Gr. 52+ Perkins St.	251	" " "

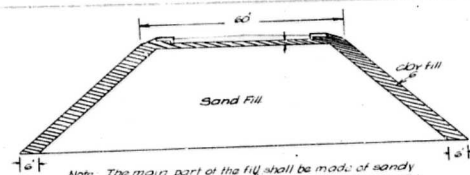
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

NO.	DATE	QUANTITY	UNIT	PRICE
121	1-10-31	Tazewell	3.5	4
STA. 52 ±		TO STA. 58+37.92		
FOR ROAD DIST. NO. 1				
FOR ROAD DIST. NO. 1				
FOR ROAD DIST. NO. 1				



DETAIL
ROUTE 121 SEC 103
EAST PEORIA APPROACH
TAEWELL COUNTY
SCALE 1"=20' NOV. '29

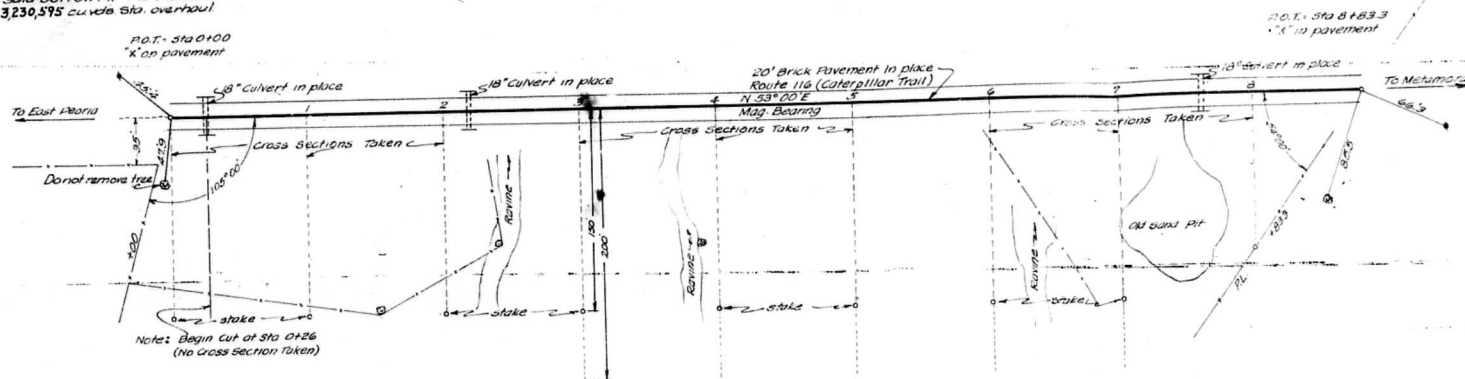
UNITED STATES MARINE CORPS	DATE	WEAPONS	NO. OF ROUNDS	7
121	I-103A	Tazewell	35	5
DTA. TO DTA.				
UNITED STATES MAR. CORPS			131	



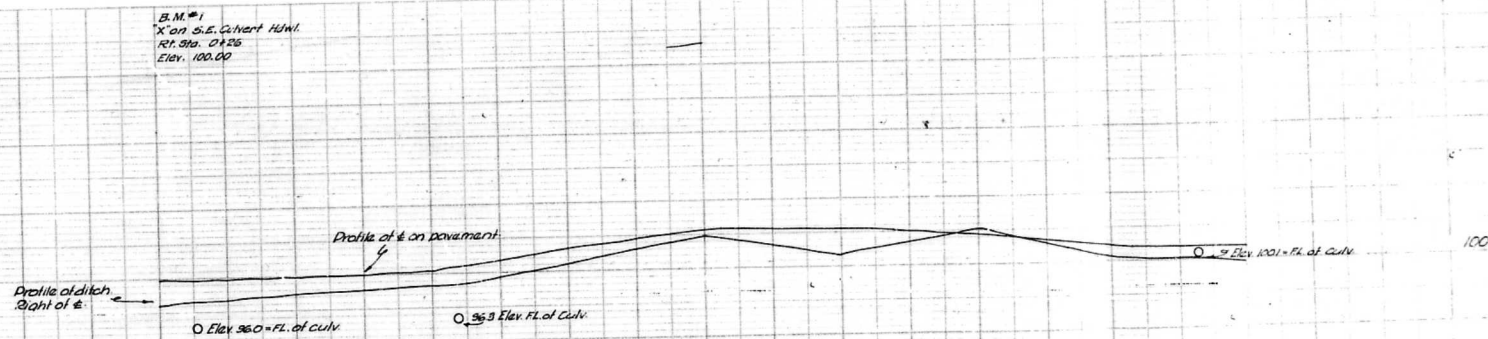
Note: The main part of the fill shall be made of sandy material which is to be secured from Borrow Pit designated as #1 and placed as indicated by the above sketch and as directed by the Engineer. The amount of material to be removed from said Borrow Pit #1 is 46,350 cu yds.
3230,595 cu yds. Sta. overhaul.



DETAIL OF BORROW PIT
SCALE 1" = 50'



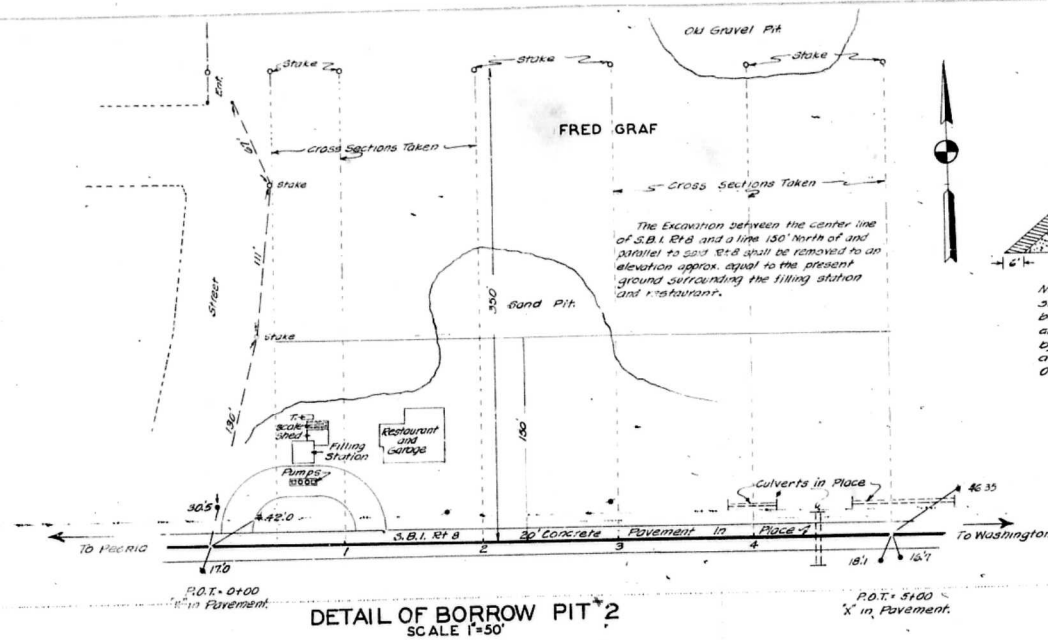
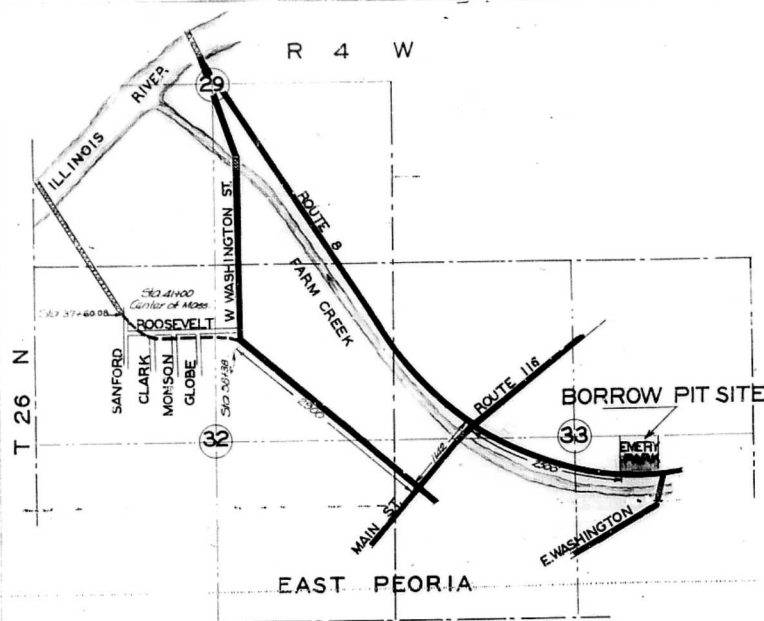
G. G. LUTHY



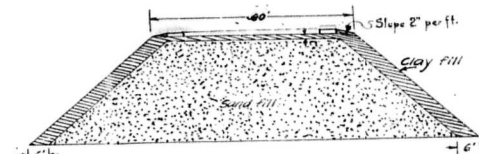
ROUTE 121 SECTION 103A
CEDAR ST BRIDGE
BORROW PIT # 1.

DESIGN
BRIDGE
CITY OF
PEORIA
ILLINOIS

PLAN
SHEET
652
CITY OF
PEORIA
ILLINOIS
BRIDGE
AT
BORROW PIT #2



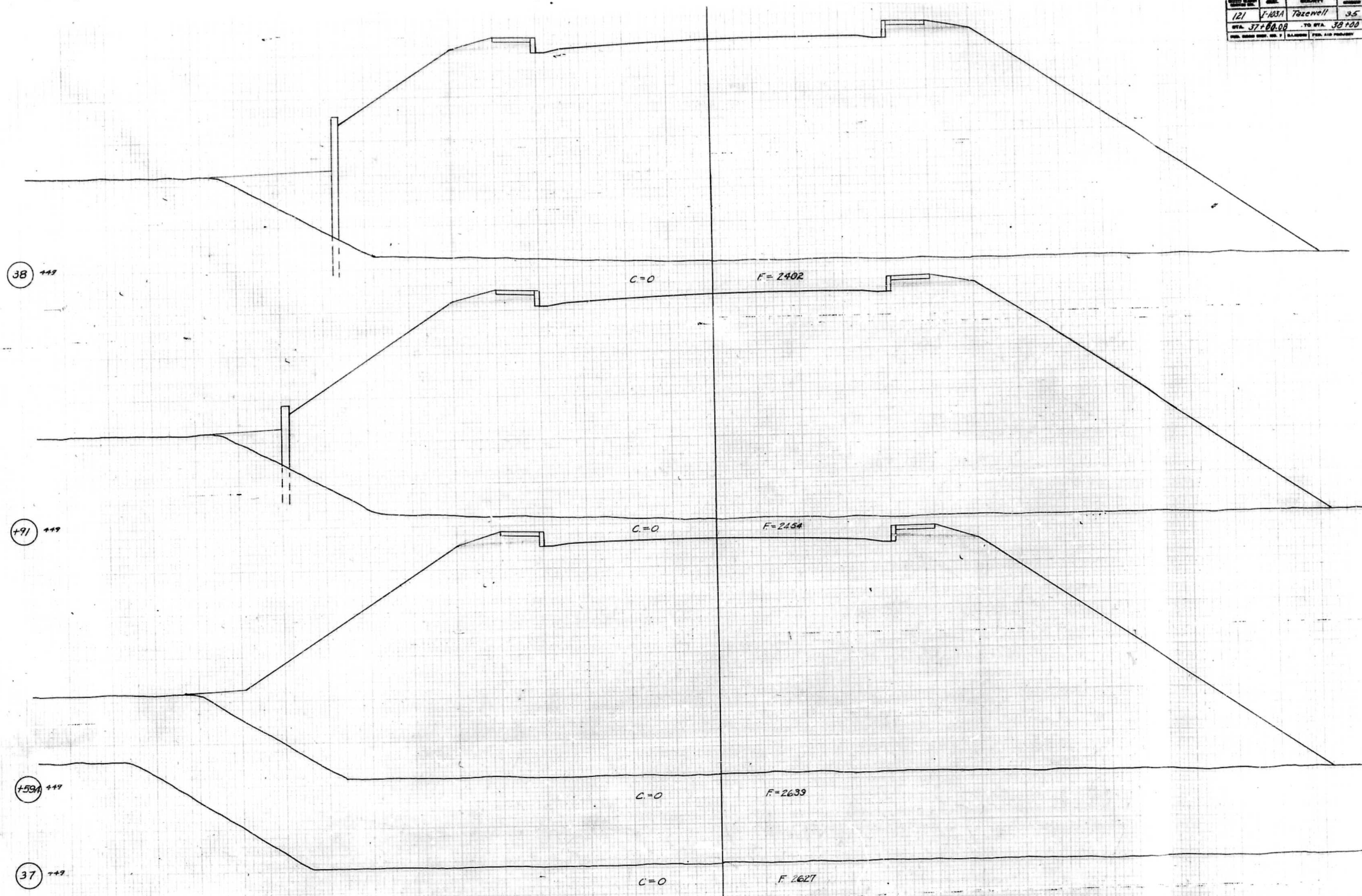
NO.	DATE	REVISION	BY	CHKD.
121	1/13/34	T. J. Ziemer	35	6
121	1/13/34	T. J. Ziemer	35	6
121	1/13/34	T. J. Ziemer	35	6



Note: In order to maintain a 1 1/2 to 1 slope with sand fill 16,409 cu. yds. of clay material shall be removed from Borrow pit designated #2 and placed on the outside of the fill as indicated by the cross hatched area of above sketch and as directed by the Engineer. Overhaul = 13,422.256 cu. yd. stat.

B.M. #1
"X" on Conc. near west pump
LA 3rd. OF 62
Elev. 100.0

UNIT NAME CAMP NO.	QWL	SECURITY	TOTAL COST	QWL NO.
121	I-103A	Tazewell	35	7
ETA. 37+00.08		TO STA. 38+00		
UNIT NAME CAMP NO. 7	BARBERS	FUEL AID PROJECT	131	



ROUTE 121 SEC. 103 E. PEORIA APPROACH CEDAR ST. BRIDGE



NO.	DATE	DESIGNER	SCALE	NO.
121	7-10-54	Towenell	35	8
STA. 38+10.8		TO STA. 39+50		
SHEET NO. 1 OF 1		SHEET NO. 1 OF 1		131

4230
4400
4500
4600
4700

T. L. L. L.
W. L. L. L.
M. L. L. L.
N. L. L. L.

DESIGN DESIGNED
CHECKED
INT. CHECKED
652

4230
4400
4500
4600
4700

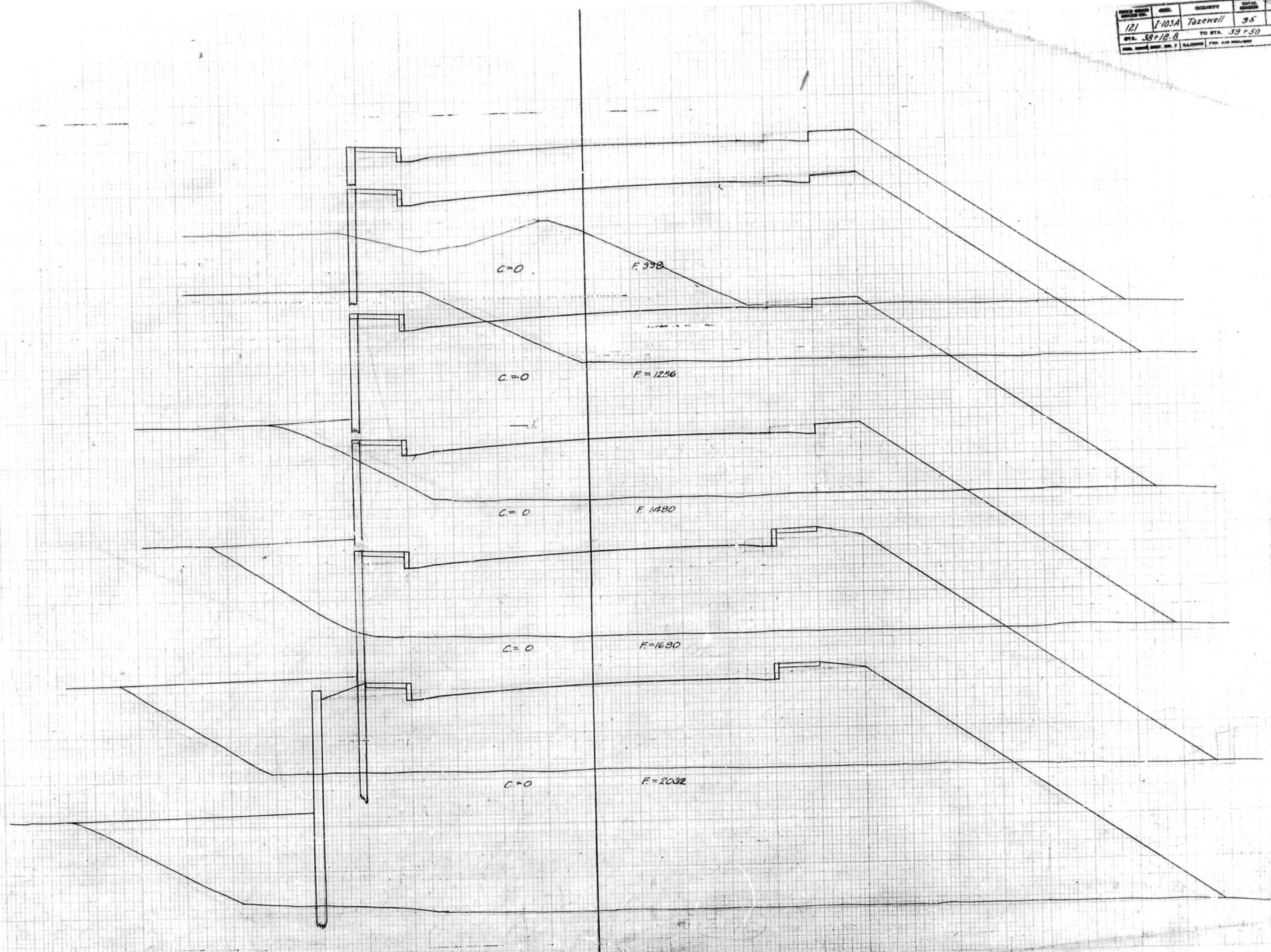
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M. L. L. L.
W. L. L. L.
T. L. L. L.

DESIGN DESIGNED
CHECKED
INT. CHECKED
652

4230
4400
4500
4600
4700

N. L. L. L.
M. L. L. L.
W. L. L. L.
T. L. L. L.

DESIGN DESIGNED
CHECKED
INT. CHECKED
652



6.3.30
6.3.30
6.3.30

Tilley
Mills
M. H. A.

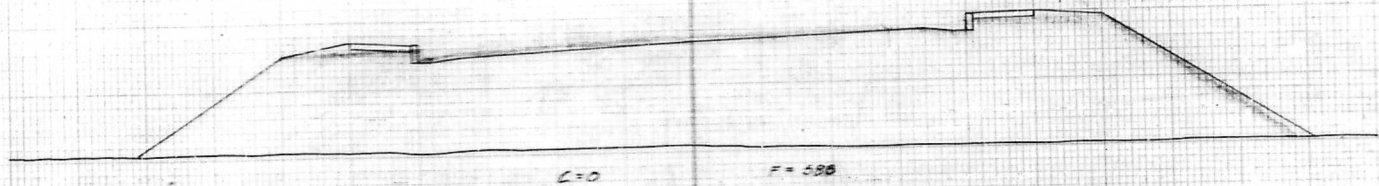
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652

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28 29 30 31
32 33 34 35

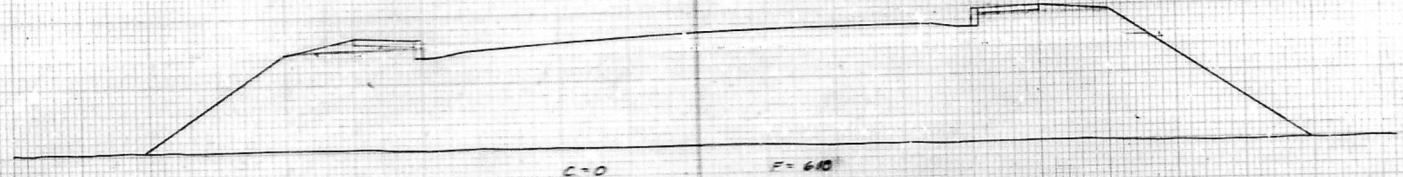
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CROSS
CHECKED
CHECKED
CHECKED
CHECKED
652

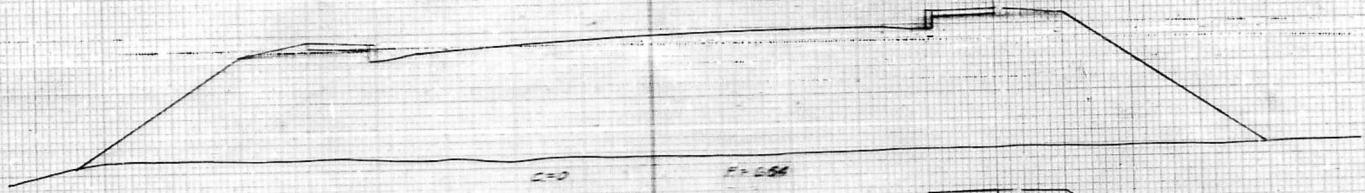
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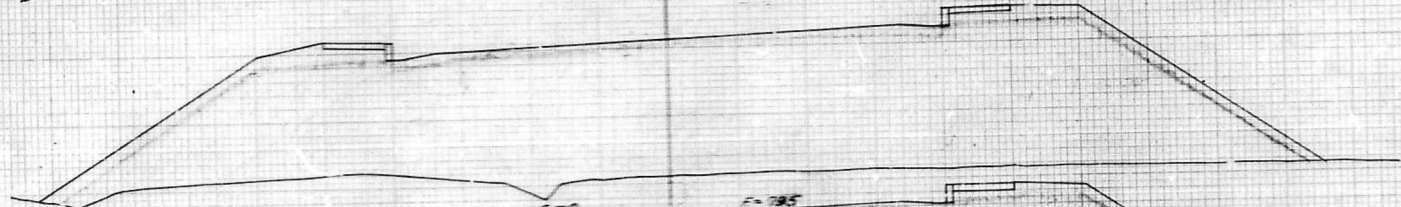
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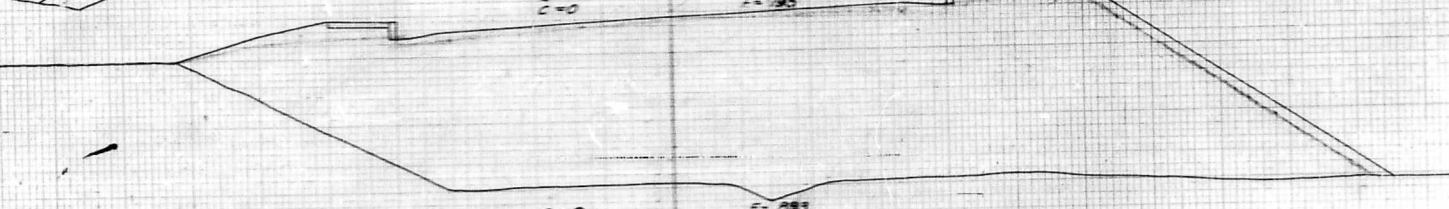
43 450



42 450



41 450



40 451



DATE	BY	CHECKED	DATE	BY
12/1	F. H. A.	Townell	35	10
STA. 46+00	TO STA. 54+00			
NO. 100	NO. 100			

4-3-36
4-3-36
4-3-36

Tiley
Mills
Winters

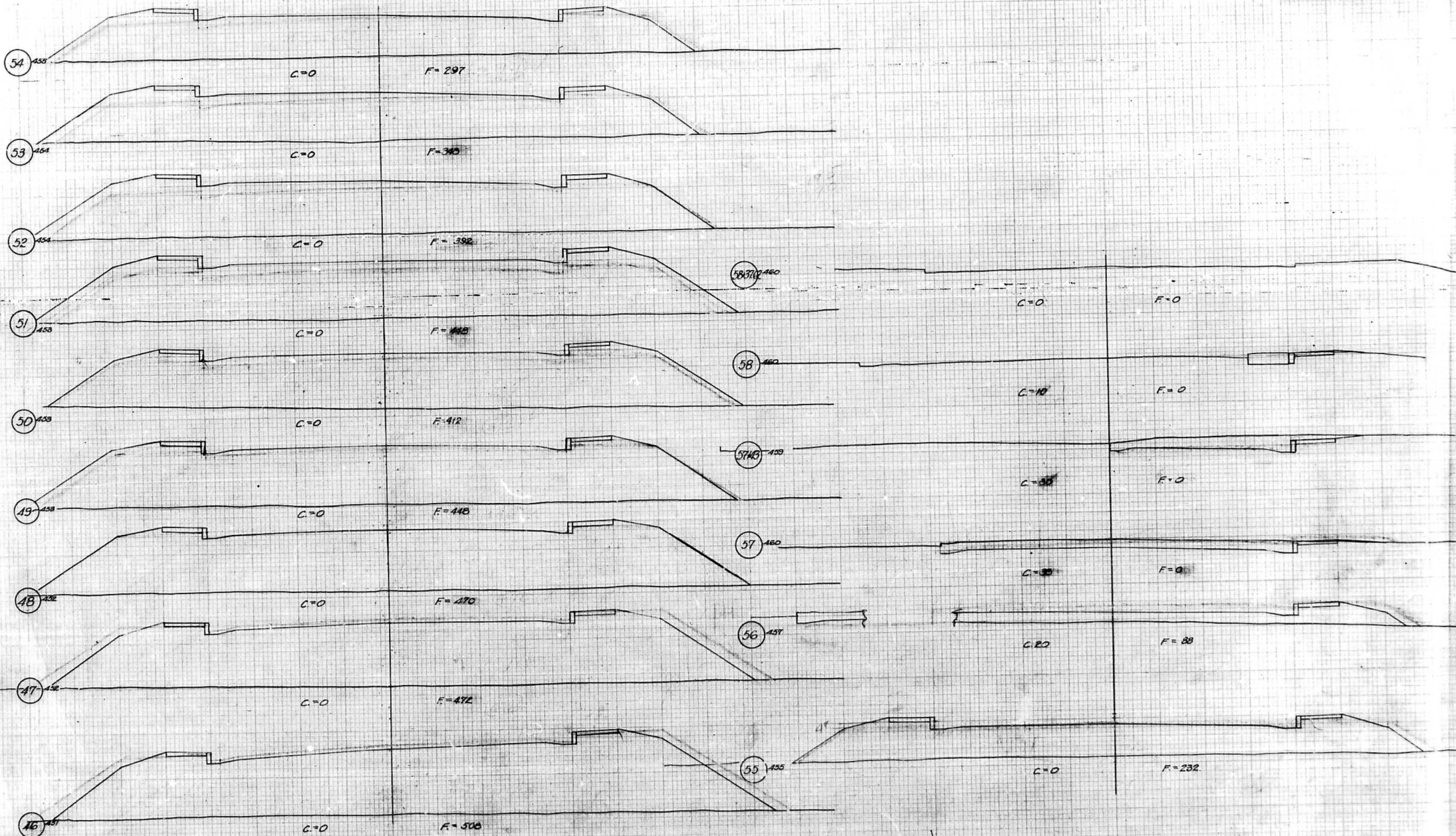
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Int. Checked
G.S.E.

Over amp
...

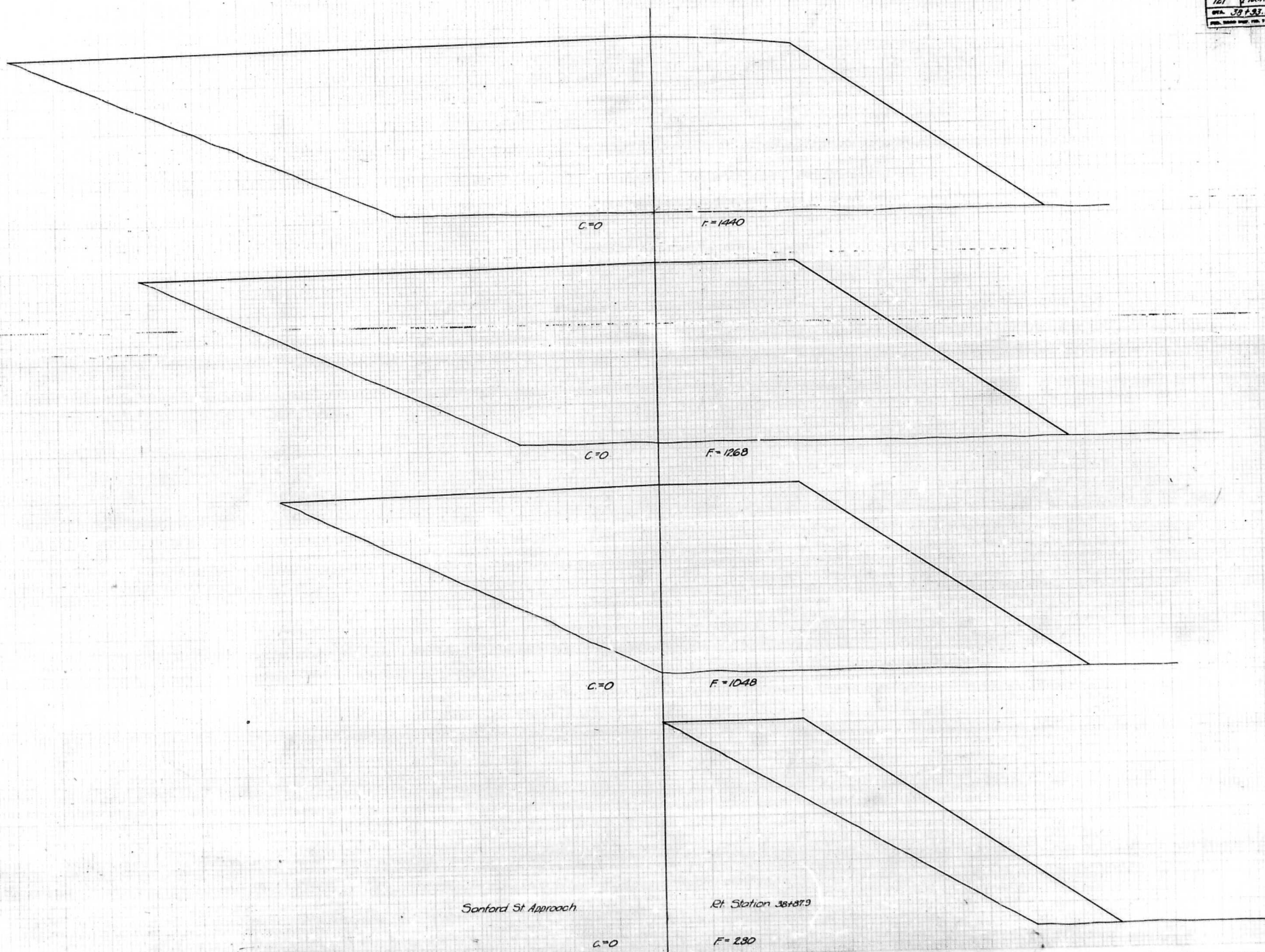
Heavy
Control
Control

Checked
Checked
Int. Checked

G.S.E.



DATE	BY	REVISION	NO.	DATE
12/1	P.M.A.	Revised	3.5	11
STA. 39+33.6	TO STA. 39+77			
REV. 1000 1000	REV. 1000 1000	REV. 1000 1000	REV. 1000 1000	REV. 1000 1000



Sanford St Approach

Rt Station 38+87.9

DESIGN
DESIGNED
CHECKED
DATE
632

CROSS
SECTION
CHECKED
DATE
632

39477 449

39469 449

39466 449

39426 472

21	100	100	100	100
22	100	100	100	100
23	100	100	100	100
24	100	100	100	100
25	100	100	100	100

10-30
10-30
2-3-30

Costello
11/19
Costello

DESIGN
Checked
Not Checked

602

CROSS
SECTION
605

Checked
Not Checked

4342 449

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F=0

43 449

C=0

F=74

42 449

C=0

F=290

41 449

C=0

F=583

40 449

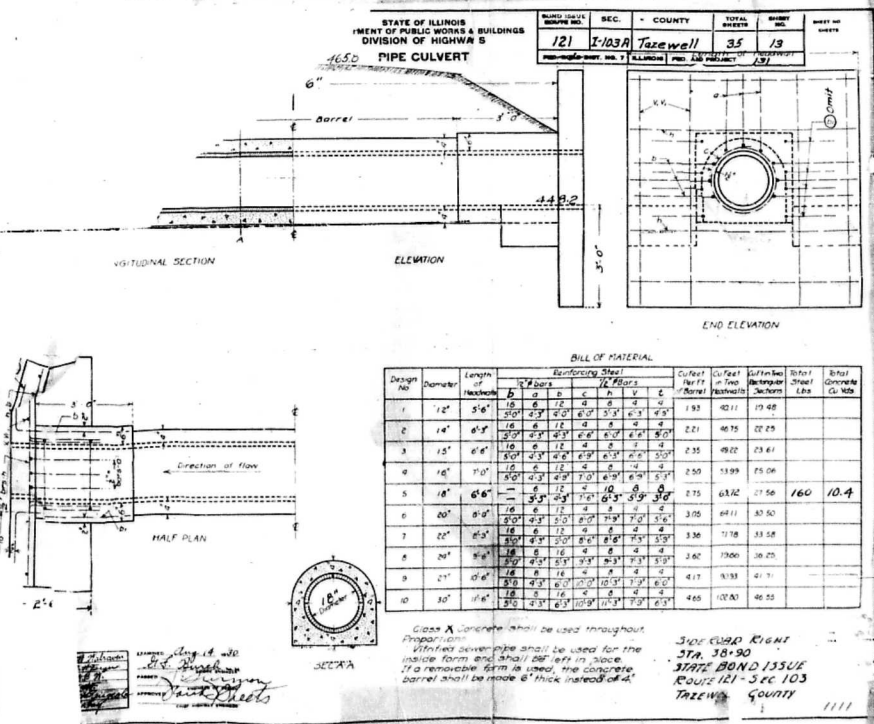
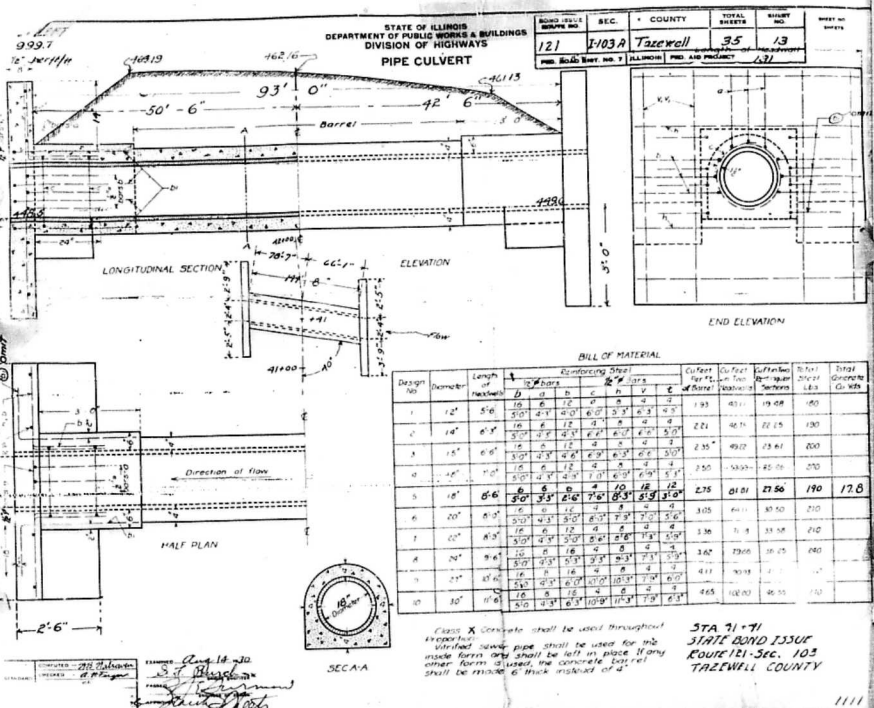
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Sanford St Approach

Rt Sta 38+87.3

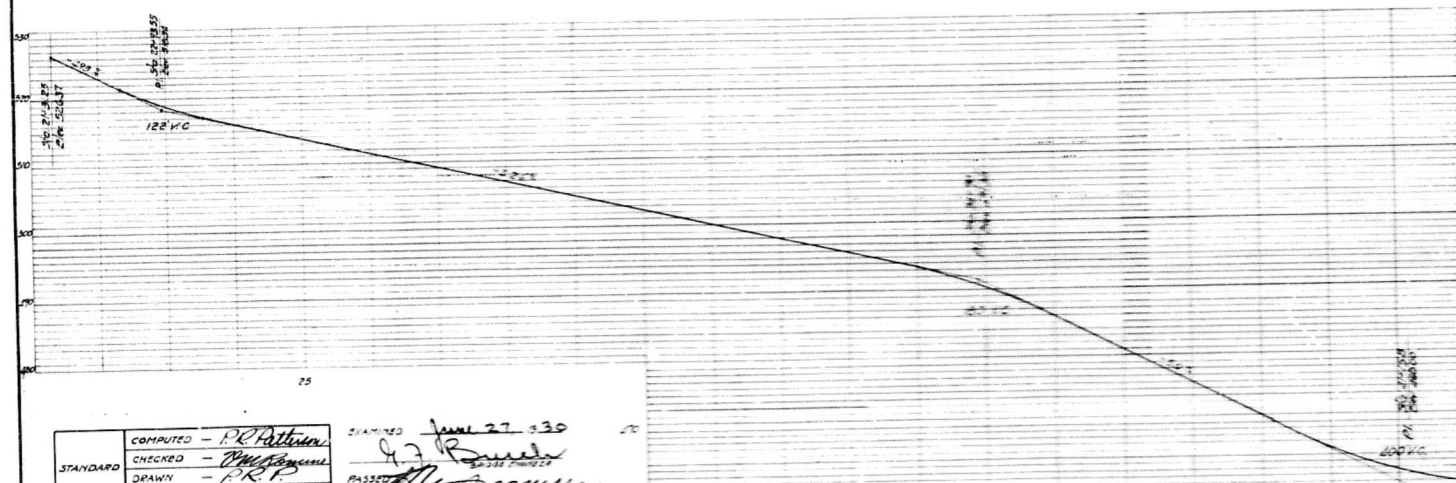
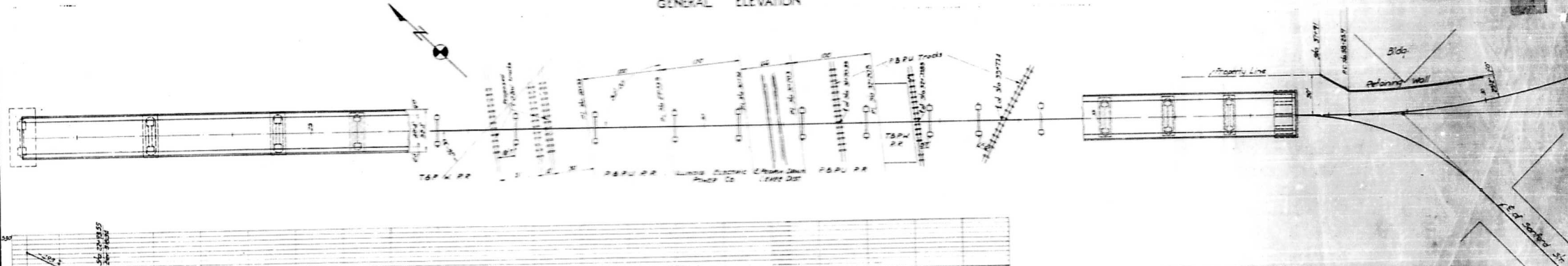
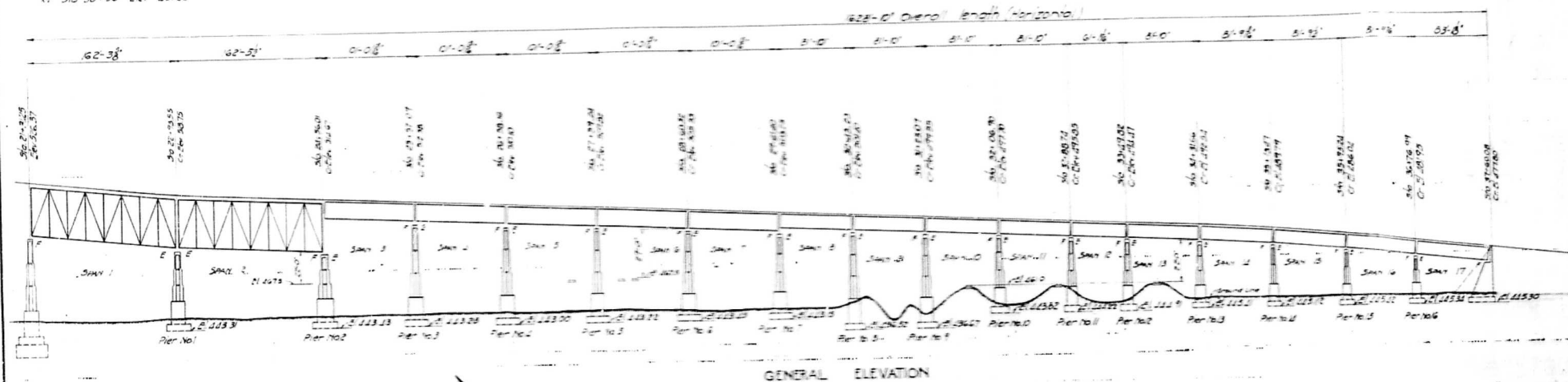
CROSS SECTIONS FOR SANFORD ST APPROACH 810-12



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

WORKING HEADLINE SOURCE NO.	SEC.	1. CODE
121	1103-B 6C	Tax
WEEK & DATE SENT, AND 7	REMARKS	

Sheet 14



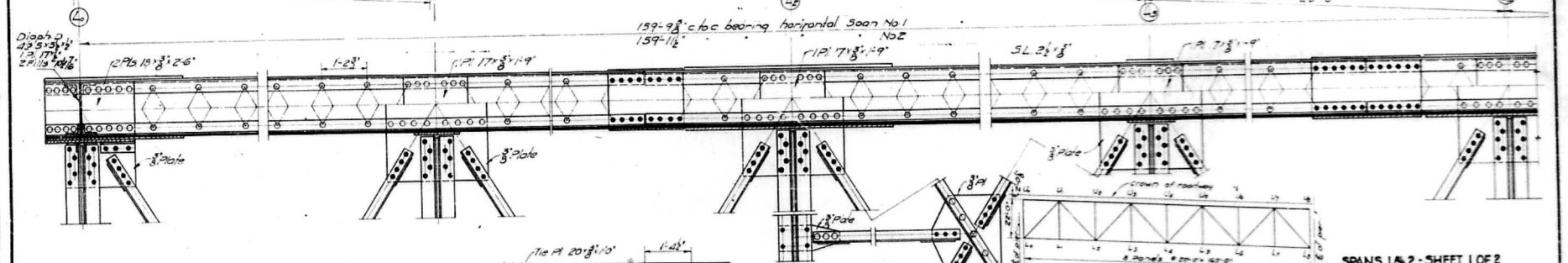
STANDARD	COMPUTED	- P.R. Patterson
	CHECKED	- <i>Wm. R. Bennett</i>
	DRAWN	- P.R.P.
	CHECKED	- <i>Wm.R.</i>
SPECIAL		

EXAMINED June 27 330
97 Birch
 PASSED McGowan
 APPROVED Frank T. Hart
 JUN 28 1933

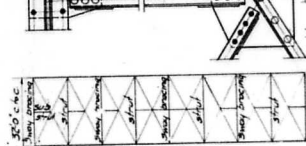
TOTAL BILL OF MATERIAL								
Item	Super	Piers	Abut	Approach slabs	Total	Sec B	Total	Sec C
Class X Concrete - Curb's	23696	41272	2480	4913	29455		23696	
Approach Slabs - LBS	369720	232360	15960	41110	222080		369720	
Structural Steel - lbs	3189870						3189870	
Iron Castings - LBS	69520						69520	
Steel Castings - LBS	45260						45260	
Wire Roobar - Sq Ft	6230						6230	
Corrugated Sheet Pile - lbs	6260						6260	
30 Ties - 1/2" x 10'		20700	2280	4360	27360			
Lighting System Complete								
Hardware - LBS				410	410			
Name Plate								

GENERAL DUT AND QU
EAS APPROAC
ILLINOIS RIVER E
PERX, ILLINOIS
S.B.I. ROUTE 1 - SECTIONS
TAYLOR CO.

ROAD DIST. NO.	SEC.	SECTION	TOTAL SHEETS	SHEET NO.
121	1-03-B	Tazewell	35	15
ROAD DIST. NO. 7			SHEETS	



EXAMINED June 27, 1930
H. F. Burch
BRIDGE ENGINEER
PASSED [Signature]
ENGINEER OF DESIGN
APPROVED [Signature]
CHIEF HIGHWAY ENGINEER

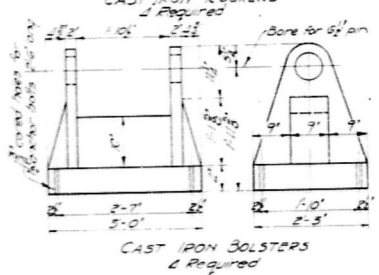
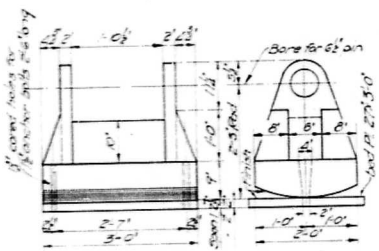
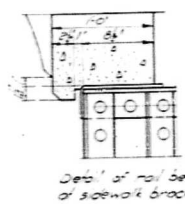
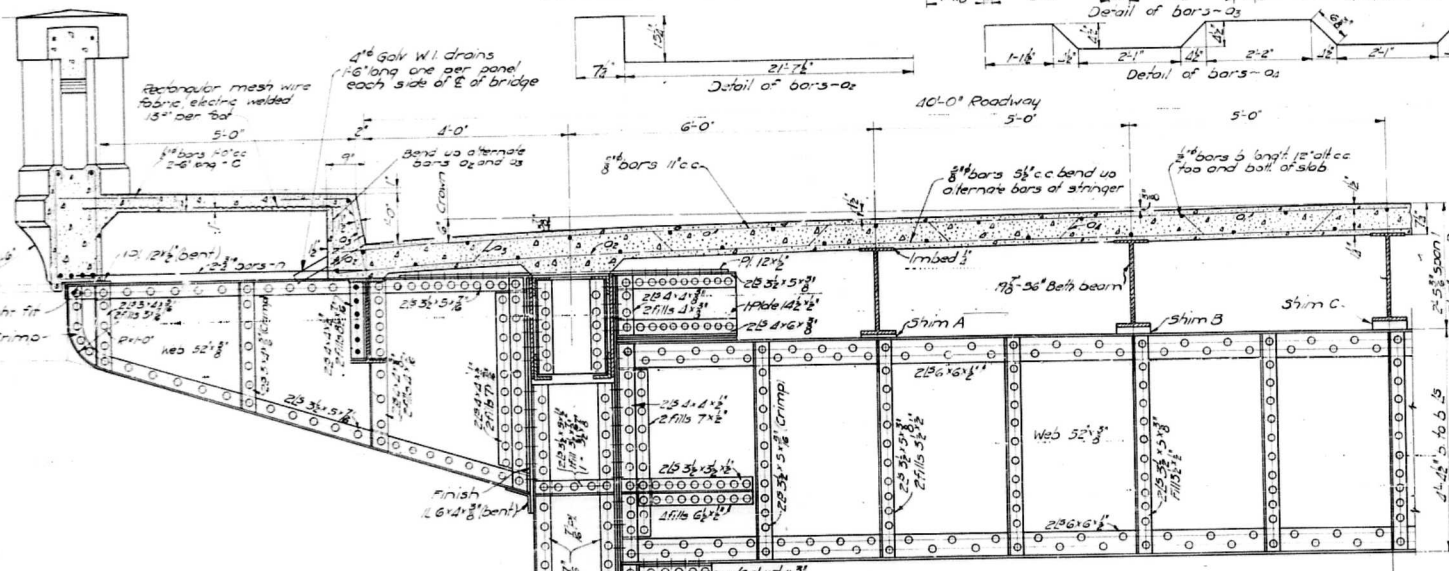
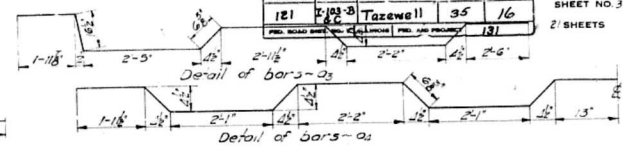


Note: Vertical curve details shown
on sheet No. 9

PLAN OF LOWER LATERALS

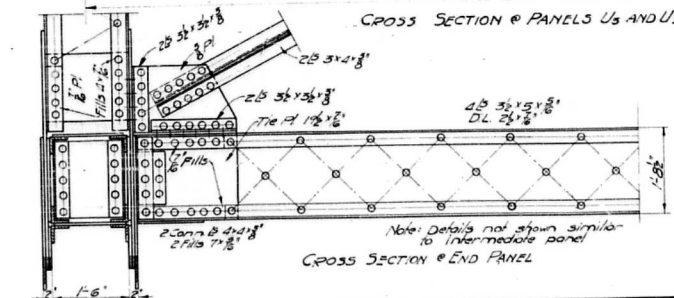
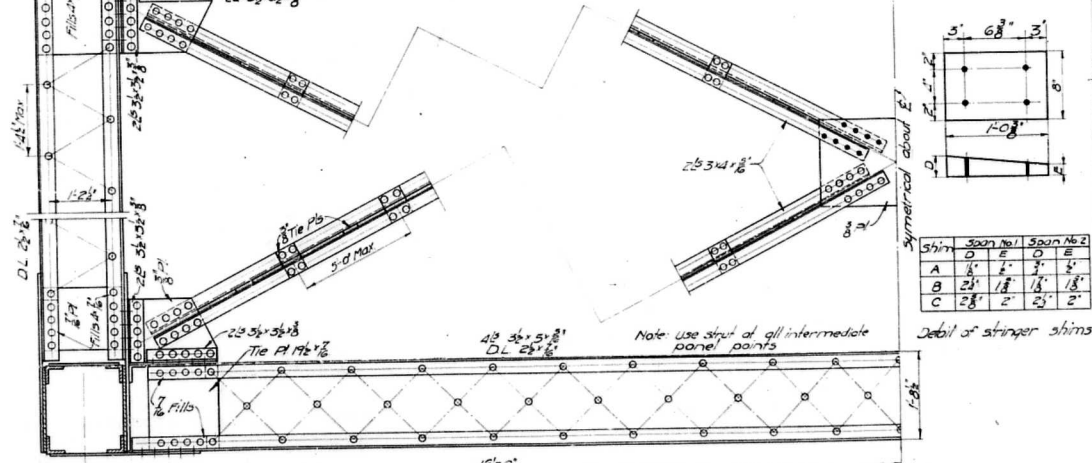
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO. 121-103-3 Tazewell 35 16
SHEET NO. 3
21 SHEETS



BILL OF MATERIAL 2 SPANS

Bar	No.	Size	Length
a	352	1/2"	19'-0"
a1	352	1/2"	24'-0"
a2	704	1/2"	23'-6"
a3	704	1/2"	15'-0"
a4	352	1/2"	23'-0"
b	520	1/2"	28'-6"
c	632	1/2"	2'-6"
d	632	1/2"	4'-0"
e	5	1/2"	6'-0"
f	16	1/2"	3'-3"
g	56	1/2"	19'-9"
h	64	1/2"	22'-3"
i	64	1/2"	23'-6"
j	16	1/2"	23'-6"
k	40	1/2"	23'-0"
l	603	1/2"	5'-9"
m	72	1/2"	6'-0"
Concrete	5105	- Cu Yds	1226
Concrete	7011	- Cu Yds	416
Reinforcing Steel	403	- Lbs	7790
Structural Steel	403	- Lbs	921960
Iron Castings	403	- Lbs	19450
Steel Castings (P.D.)	403	- Lbs	17610
Wire Fabric	39	- Yds	3240

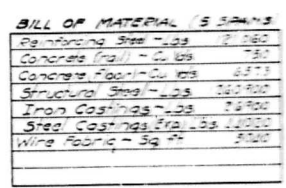
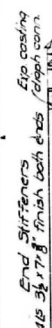


SPANS 1 & 2 - SHEET 2 OF 2
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.I. ROUTE 121 - SECTION 103 C
TAZEWELL CO.

STANDARD	COMPUTED	BY
CHECKED	—	—
DRAWN	—	—
CHECKED	—	—
ASSEMBLED	—	—
CHECKED	—	—

EXAMINED 27.10.30
BRIDGE ENGINEER
APPROVED
CHIEF HIGHWAY ENGINEER

SHEET NO. 1
 2 SHEETS
 TOTAL
 35
 17

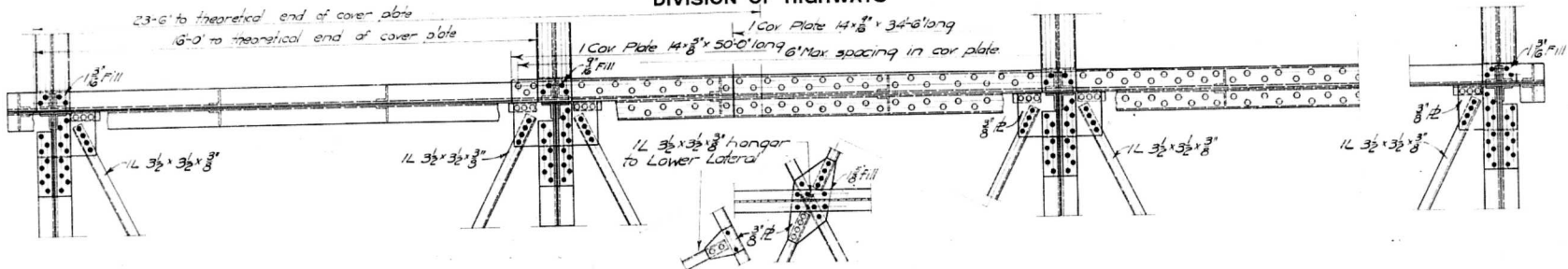


SPANS - 3, 4, 5, 6, 7
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.I. ROUTE 121 - SECTION 103 C
TATEWELL CO.

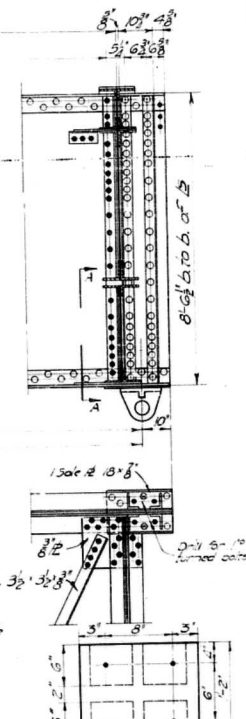
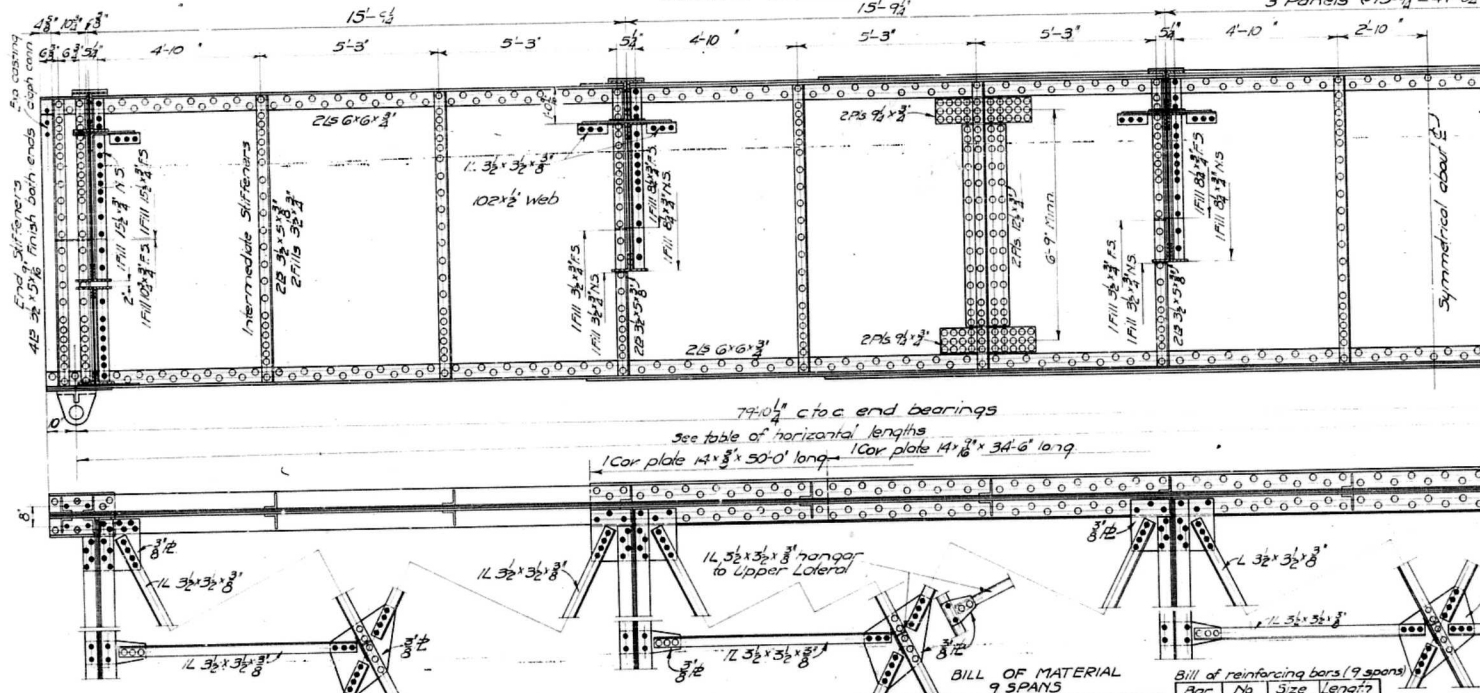
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROAD DISTRICT NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
121	103-B	Tazewell	35	18
PUB. ROAD DIST. NO. 1	ALABAMA	PUB. ROAD DIST. NO. 1	131	

SHEET NO. 3
21 SHEETS



DETAIL OF INTERSECTION OF UPPER LATERALS

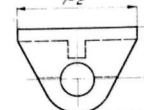


BILL OF MATERIAL
9 SPANS

Reinforcing Steel-Lbs	176380
Concrete (Floor)-Cu Yds	1135
Concrete (Floor)-Cu Yds	9608
Structural Steel-Lbs	1651060
Iron Castings-Lbs	38850
Steel Castings (Exp)-Lbs	74830
Wire Fabric-Sq Ft	7310

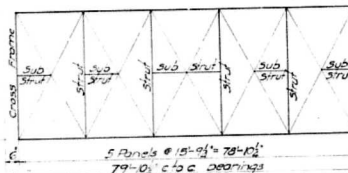
Bill of reinforcing bars (9 spans)

Bar	No	Size	Length
a	792	3/8"	9'-0"
a	792	"	24'-0"
a	1584	"	23'-6"
a	1584	"	15'-0"
a	792	"	23'-0"
c	1620	1 1/2"	21'-9"
c	1476	"	2'-6"
d	1570	1 1/2"	3'-0"
e	40	"	6'-0"
e	72	"	6'-9"
e	141	"	15'-6"
f	80	"	18'-3"
g	180	7/8"	19'-3"
g	72	"	19'-6"
h	108	"	20'-6"
h	1350	1/2"	5'-9"
h	216	3/4"	6'-0"



CAST IRON SHOES
36 Required

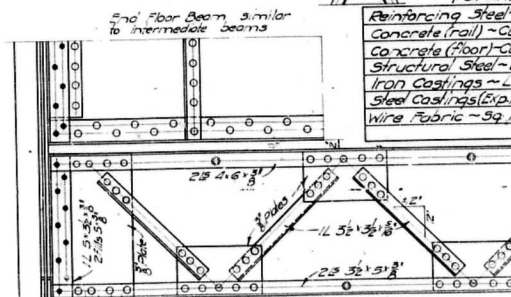
SPANS 8, 9, 10, 11, 13, 14, 15, 16 & 17
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.T. ROUTE 121 - SECTION 103 C
TAEWELL CO.



PLAN OF LOWER LATERALS

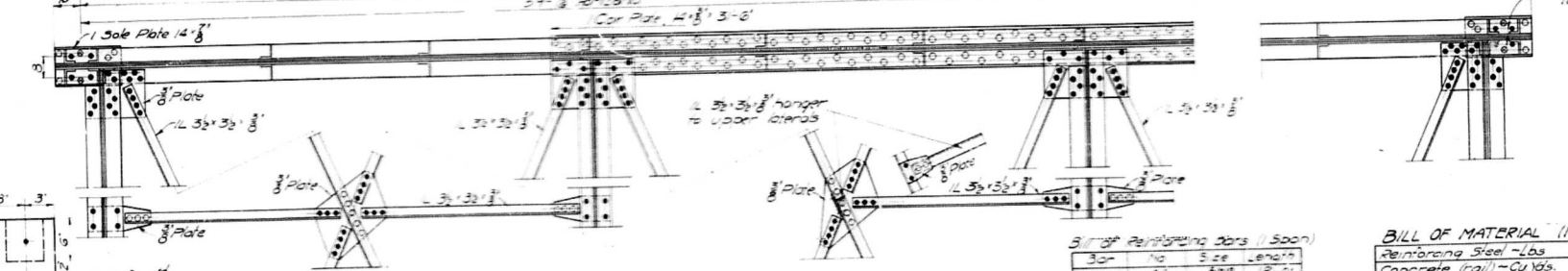
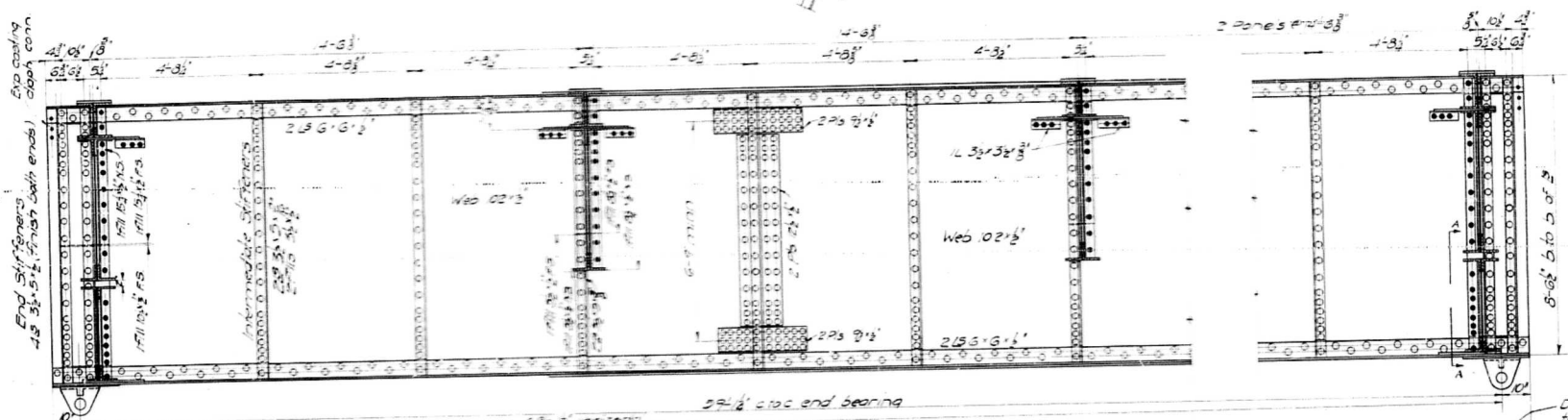
COMPUTED	— F.R. Patterson
CHECKED	— W. R. Patterson
DRAWN	— P.R. Patterson
CHECKED	— J. R. Patterson
ASSEMBLED	—
CHECKED	—

EXAMINED
PASSED
APPROVED
JUNE 27 1930
BRIDGE ENGINEER
ENGINEER OF DESIGN
CHIEF HIGHWAY ENGINEER



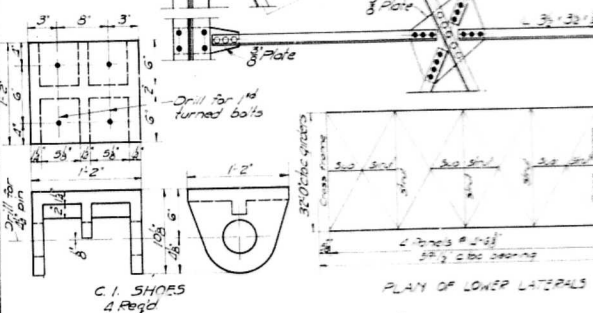
SECTION A-A (detail of end frame)

WOMEN'S AMBLES WOM/TYPE NO	SEC	* COLNTY	TOTAL ENCLTS	SHEET NO
121	1-103-2 4c	Tazewell	35	19
FBI: BOSTON DIST. NO. 7			ILLINOIS	FBI: AID PROJECT
				131

[illegible]

BILL OF MATERIAL (1 SPAN)	
Reinforcing Steel - Lbs	12690
Concrete (Floor) - Cu Yds	97
Concrete (Floor) - Cu Yds	791
Structural Steel - Lbs	134100
Iron Castings - Lbs	4320
Steel Castings (Pit) - Lbs	8800
Wire Fabric - Sq ft	610

SPAN 12
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.I. ROUTE 121 ~ SECTION 103 C
TAZEWELL CO.



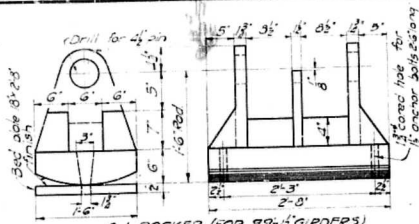
STANDARD	COMPUTED — <i>P.R. Peters</i>
	CHECKED — <i>Wm. Romine</i>
	DRAWN — <i>P.R.P.</i>
	CHECKED — <i>Wm.R.</i>
SPECIAL	ASSEMBLED —
	CHECKED —

EXAMINED June 27 1930
H. F. Bunch
BRIDGE ENGINEER
PASSED the same
ENGINEER OF DESIGN
APPROVED Frank T. Short
CHIEF HIGHWAY ENGINEER

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

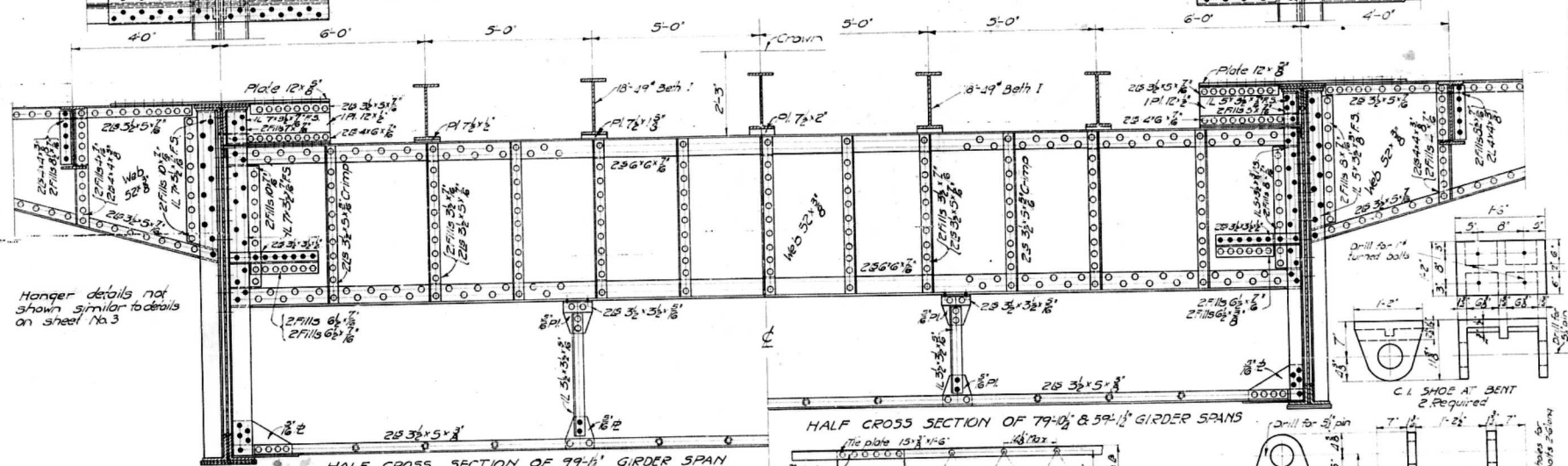
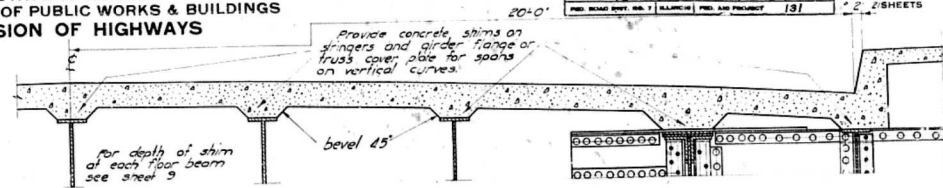
ROAD DISTRICT	SEC.	COUNTY	TOTAL SHEETS	NO.
121	103B	Tazewell	35	20
SHEET NO. 7				

2 SHEETS

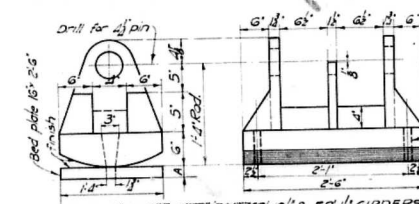


C.I. ROCKER (FOR 79-1/2' GIRDERS)
8 Required

Note: concrete floor similar to detail shown on sheet No. 3

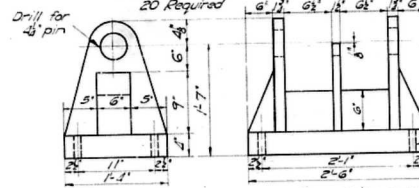


HALF CROSS SECTION OF 79-1/2' GIRDER SPAN



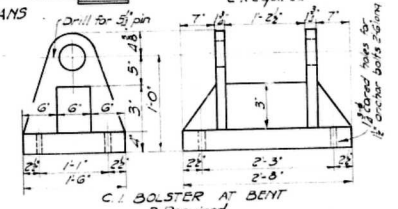
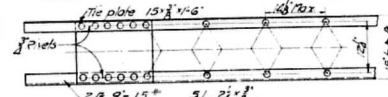
C.I. ROCKER (FOR 79-1/2' & 59-1/2' GIRDERS)
20 Required

Span No.	A
8	27'
9	26'
10	25'
11	24'
12	23'
13	22'
14	21'
15	20'
16	19'
17	18'

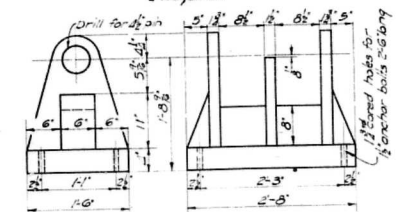


C.I. BOLSTER (FOR 79-1/2' & 59-1/2' GIRDERS)
20 Required

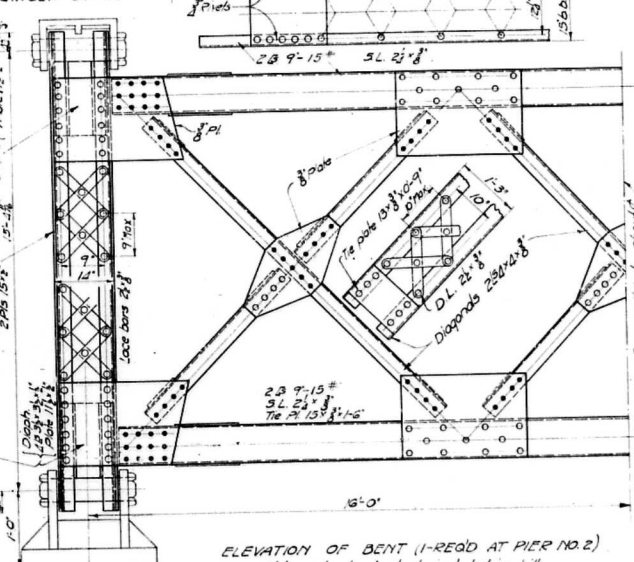
HALF CROSS SECTION OF 79-1/2' & 59-1/2' GIRDER SPANS



C.I. SHOE AT BENT
2 Required



C.I. BOLSTER (FOR 79-1/2' GIRDERS)
10 Required



ELEVATION OF BENT (1-REGD AT PIER NO. 2)

Note: structural steel included in bill of material for 79-1/2' girder spans

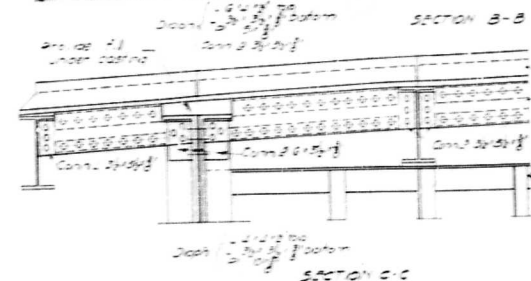
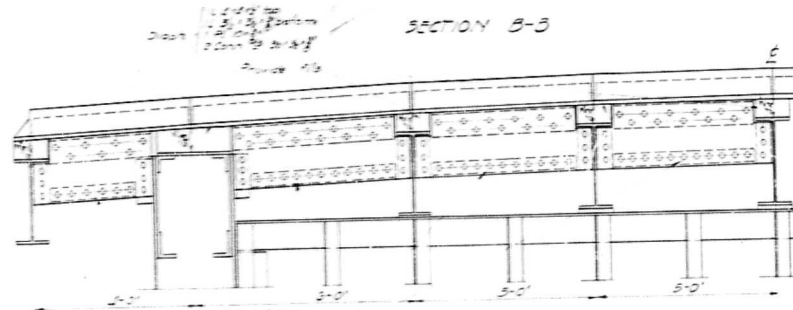
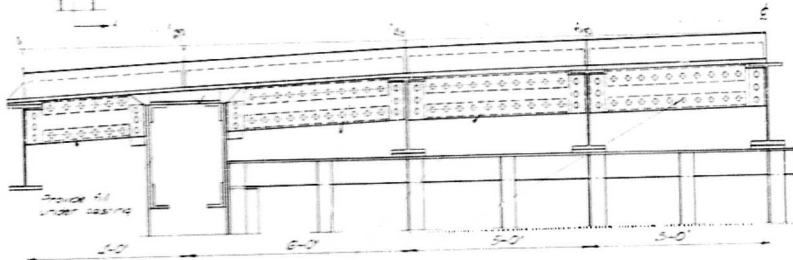
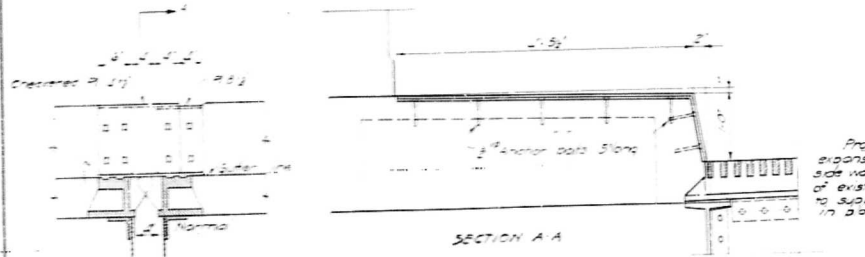
STANDARD	COMPUTED — P.R. Altman
	CHECKED — [Signature]
	DRAWN — P.R. Altman
	CHECKED — [Signature]
SPECIAL	ASSEMBLED — [Signature]
	CHECKED — [Signature]

EXAMINED June 27, 1930
[Signature]
PASSED [Signature]
APPROVED [Signature]
CHIEF HIGHWAY ENGINEER

DETAILS FOR ALL GIRDER SPANS
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.I. ROUTE 121- SECTION 103C
TAZEWELL CO.

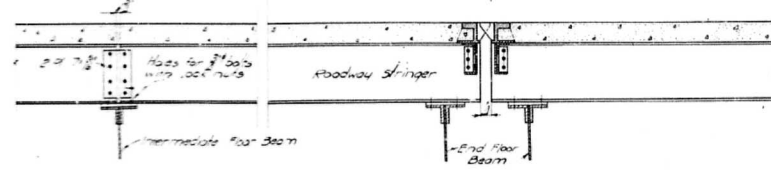
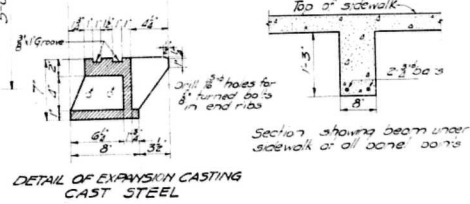
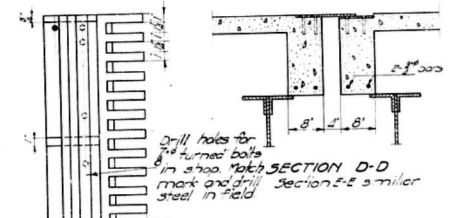
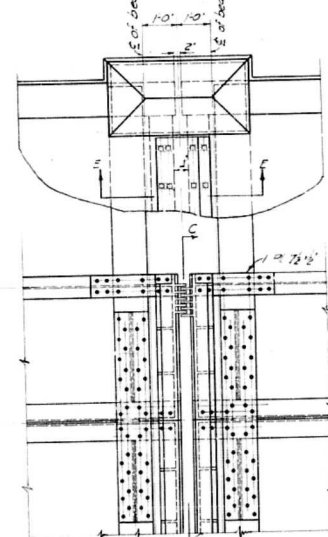
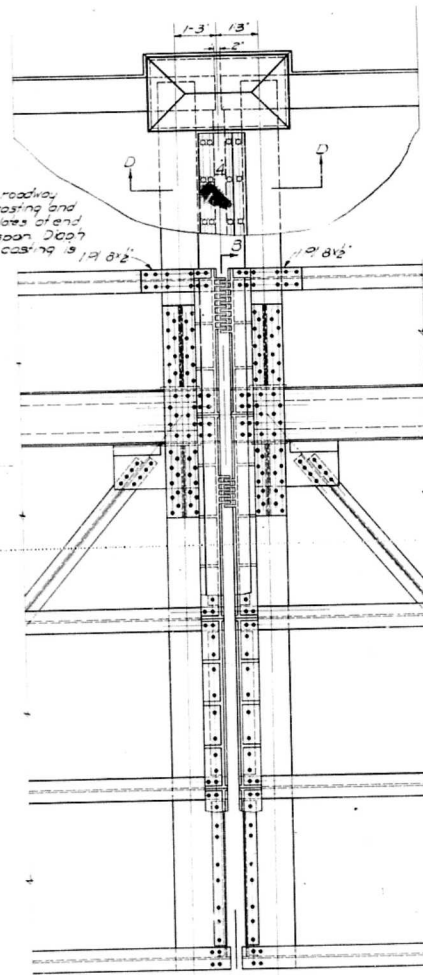
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.	SHEETS
121	103	Tazewell	35	21	27 SHEETS
PRI. ROAD DIST. NO. 7	103	Tazewell	35	21	27 SHEETS



STANDARD	COMPUTED	—	—
	CHECKED	—	—
	DRAWN	—	—
	CHECKED	—	—
SPECIAL	ASSEMBLED	—	—
	CHECKED	—	—

EXAMINED: June 27, 1930
BRIDGE ENGINEER
APPROVED: [Signature]
DIVISION ENGINEER



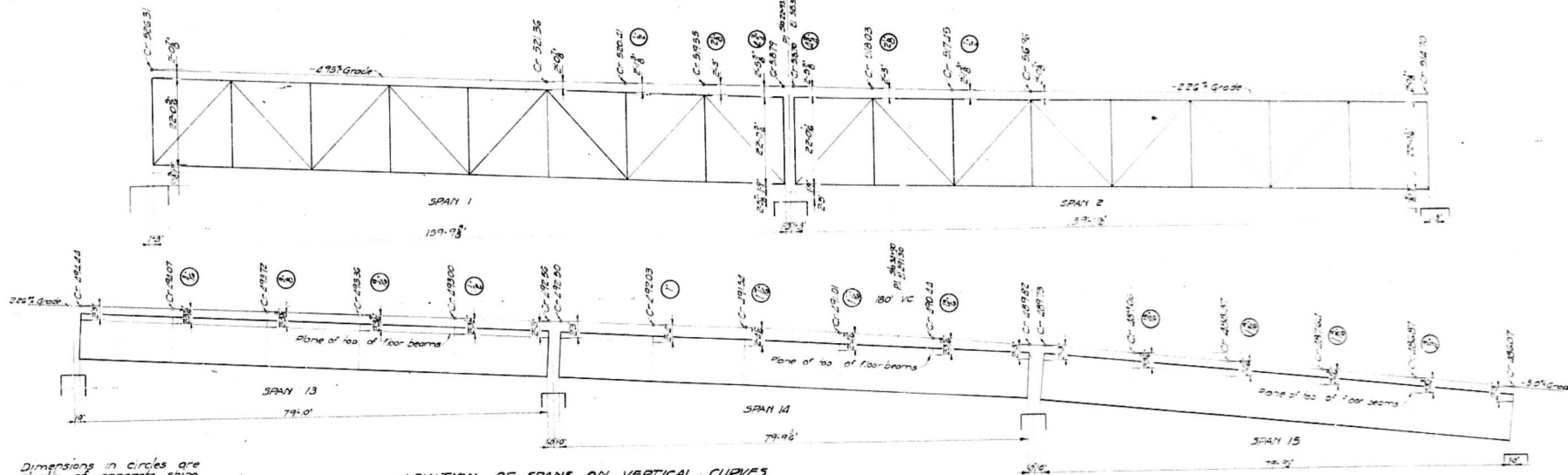
EXPANSION DETAILS
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.I. ROUTE 121 - SECTION 103-C
TAEWELL CO.

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

SECTION	SEC.	COUNTY	DATE	NO.
121	103B	Tazewell	35	22
SEE ROAD DIST. NO. 121, SECTION 103B, TAZEWELL CO. ILL.				

SHEET NO. 2

2 SHEETS



Dimensions in circles are
depth of concrete struts
required on stringer or
floor beam.

ELEVATION OF SPANS ON VERTICAL CURVES

STRESSES IN TRUSS MEMBERS

Member	D.L.	L.L.	Impact	Total	Unit Stress
U ₁ -U ₂	-28.11	-17.46	-25.8	-60.45	15.9
U ₂ -U ₃	-649.4	-232.8	-365	-912.7	15.7
U ₃ -U ₄	+232.4	+101.8	+151	+399.3	18.0
U ₄ -U ₅	+609.0	+218.0	+323	+653.3	18.0
U ₅ -U ₆	-619.7	-166.0	-249	-610.6	18.0
U ₆ -U ₇	+299.8	+129.0	+228	+451.6	18.0
U ₇ -U ₈	-179.9	-97.2	-188	-295.9	12.7
U ₈ -U ₉	+600	+70.7	+148	+1455	18.0
U ₉ -U ₁₀	-500	-52.0	-177	-121.7	11.1
U ₁₀ -U ₁₁	+787	+650	+207	+1644	18.0
U ₁₁ -U ₁₂	-787	-650	-207	-1644	11.1

Loading

Dead Load-Actual weight

Live Load

Side walk 100 lbs per sq foot

Roadway 20 Ton Trucks

Trusses and Girders

Side walk-50 lbs per sq foot

Roadway-Uniform load of 1000 lbs

per lin foot of Truss and

A concentrated load of 28000 lbs for Moment

A 10000 lbs for Shear

Impact

Floor System, Hangers etc 30%

Trusses and Girders 1+123

Design Specifications

A.R.E.A. Specifications for Steel Highway

Bridges of 1927 Modified as follows:

Unit Stresses

Axial tension on net section 8000 lbs per sq in

Axial compression on gross section 8000-80%

GENERAL NOTES

Reinforcing steel as noted
Holes punched except as noted and
except as follows:

All main truss connections both shop
and field shall be sub-punched and
required to be with members assembled
before 60 Truss shall be assembled
complete for reaming.

All members shall be match marked
while assembled.

Floor beam and hanger connections
for truss spans shall be reamed to a hardened
steel template finish.

Inspection by Illinois Division of Highways
before painting.

Paint finished by the Superstructure
Contractor one coat in shop two coats
in field.

Gloss V. concrete shall be used throughout.

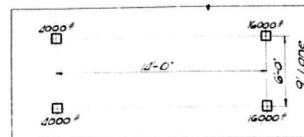
Concrete floor shall be given a smooth finish
according to the specification for finishing the
surface of floor slabs on concrete bridges.

Shop paint: Dulux Bay Liquid, Red
Field paint: Dulux Bay Liquid, Red

Red lead: 70% dark brown
Second Red coat Dulux Bay Liquid

Red lead 100% light green

one ready prepared
equivalent approved
by the Engineer



PLAN OF 20 TON TRUCK

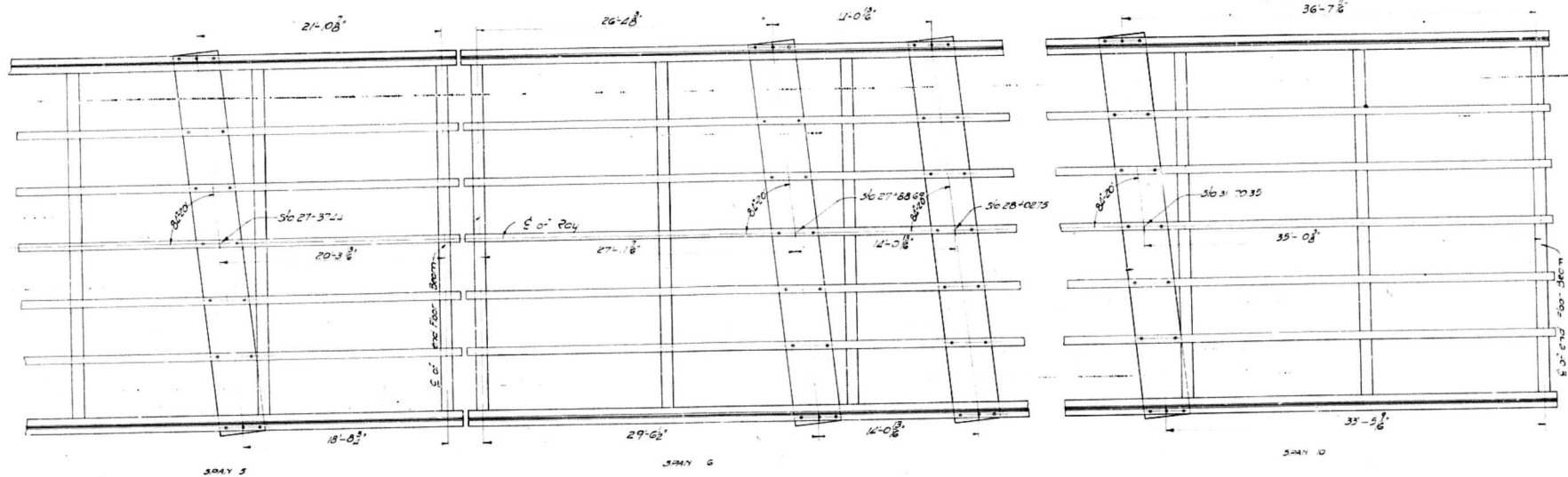
STANDARD	COMPUTED - A.R. Patterson
	CHECKED - [Signature]
	DRAWN - P.R. [Signature]
	CHECKED - [Signature]
SPECIAL	ASSEMBLED - [Signature]
	CHECKED - [Signature]

EXAMINED - June 27, 1930
BRIDGE ENGINEER - [Signature]
ENGINEER OF DESIGN - [Signature]
CHIEF HIGHWAY ENGINEER - [Signature]

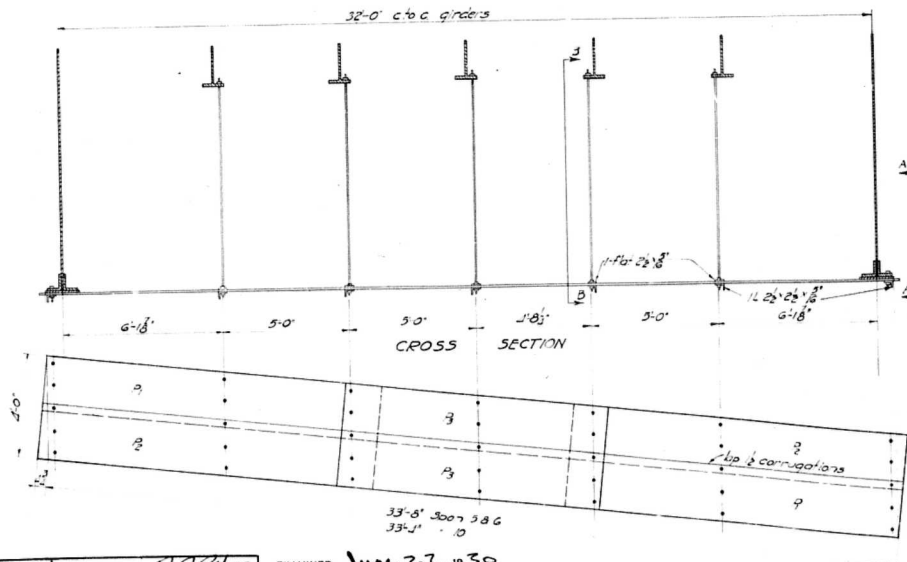
VERTICAL CURVES & GENERAL NOTES
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.I. ROUTE 121 - SECTIONS 103B & C
TAZEWELL CO.

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

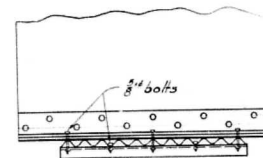
PLANS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. OF SHEETS
121	I-103-B	Tazewell	35	23	21 SHEETS
FBI ROAD SHEET NO. 1 ALLIANCE FBI AND PROPERTY 131					



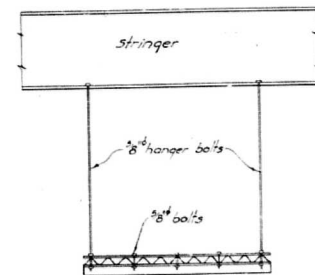
PLAN SHOWING LOCATION OF SMOKE PLATES



33'-0" 3007 386
33'-0" 10



SECTION A-A



SECTION B-B

STANDARD	COMPUTED — R. R. Matheson
	CHECKED — J. M. K. [Signature]
	DRAWN — [Signature]
	CHECKED — [Signature]
SPECIAL	ASSEMBLED — [Signature]
	CHECKED — [Signature]

EXAMINED	June 27, 1930
	[Signature] BRIDGE ENGINEER
PASSED	[Signature] ENGINEER OF DESIGN
APPROVED	[Signature] CHIEF HIGHWAY ENGINEER

PLAN OF SMOKE PLATES

SMOKE PLATES
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.I. ROUTE 121 - SECTION 103-C
TAZEWELL CO.

BONDING NUMBER	SEC	COUNTY	TOTAL DOLLARS	AMOUNT PAID
121	I-103-B 4C	Tazewell	35	24
FED. ROAD DIST. NO. 1			131	

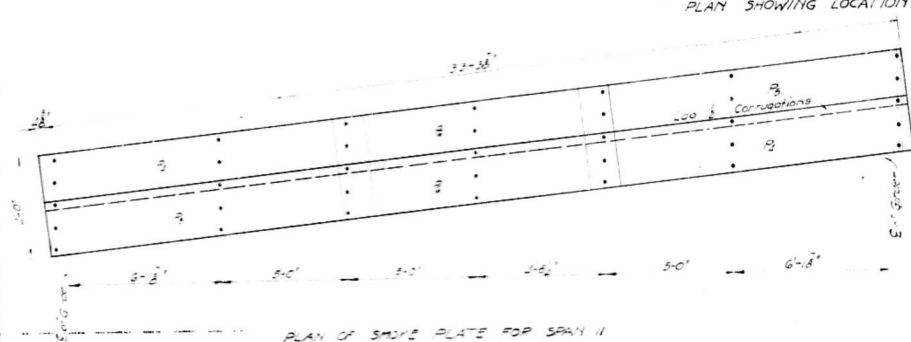
The image contains three hand-drawn diagrams of a roof truss system, likely for a building with a gabled roof. The diagrams are labeled with dimensions and structural details.

Diagram 1 (Left): Shows a side elevation of the roof truss. The roof slope is indicated as $7'-18''$. The vertical height of the roof is $5'-18''$. The horizontal distance from the eave to the ridge is $30'-32'-70.85$. The vertical height of the wall is $14'-08''$. The diagram shows the roof truss members, including the ridge purlin, rafters, and wall studs.

Diagram 2 (Middle): Shows a side elevation of the roof truss. The roof slope is indicated as $3'-23''$. The vertical height of the roof is $25'-$. The horizontal distance from the eave to the ridge is $50'-204$. The vertical height of the wall is $1'-18''$. The diagram shows the roof truss members, including the ridge purlin, rafters, and wall studs.

Diagram 3 (Right): Shows a side elevation of the roof truss. The roof slope is indicated as $4'-0''$. The vertical height of the roof is $5'-7''$. The horizontal distance from the eave to the ridge is $50'-33'-77.4$. The diagram shows the roof truss members, including the ridge purlin, rafters, and wall studs.

See sheet No 10 for card 5
not shown



PLAN OF SMOKE PLATE FOR SPAN II

Core	No. Ages	Length?
P	8	56'
P ₁	8	136'
P ₂	8	123'
P ₃	2	136'
P ₄	2	123'
P ₅	4	117'
P ₆	6	98'
P ₇	2	98'

Structural Steel-03	1890
Core 37048 23-03	6260

5000 Poles
 5000 Poles and 5000
 5000 Poles and 5000
 5000 Poles and 5000
 5000 Poles and 5000
 5000 Poles and 5000

STANDARD	COMPUTED -	<i>J. R. Patterson</i>
	CHECKED -	<i>W. H. Brown</i>
	DRAWN -	<i>J. R. P.</i>
	CHECKED -	<i>W. H. B.</i>
SPECIAL	ASSEMBLED -	_____
	CHECKED -	_____

EXAMINED June 27, 1930

H. F. French
PROJECT ENGINEER

W. H. Thompson
INSTRUCTOR OF DESIGN

APPROVED: _____

1944-1945

PLAN OF SMOKE PLATE FOR SPAN 3

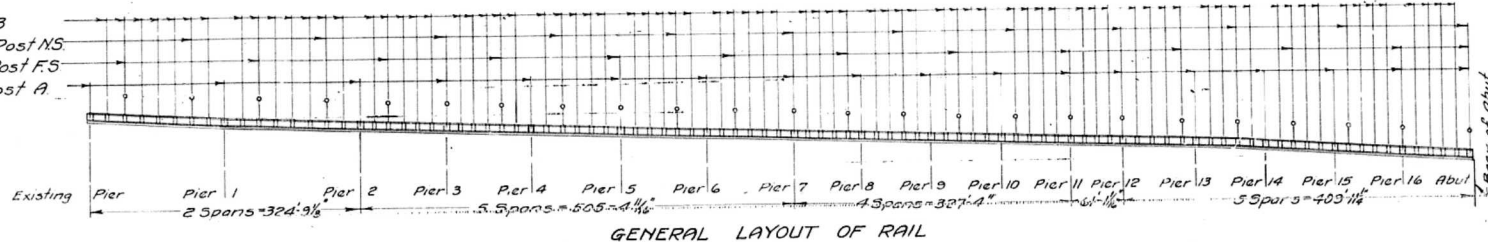
SMOKE PLATES
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.1 ROUTE 121 ~ SECTION 103C
TAZEWELL CO.

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

SHEET NO.	SEC.	COUNTY	TOTAL	SHEET
121	103 B	Tazewell	35	25
SHEET NO. 12				
21 SHEETS				

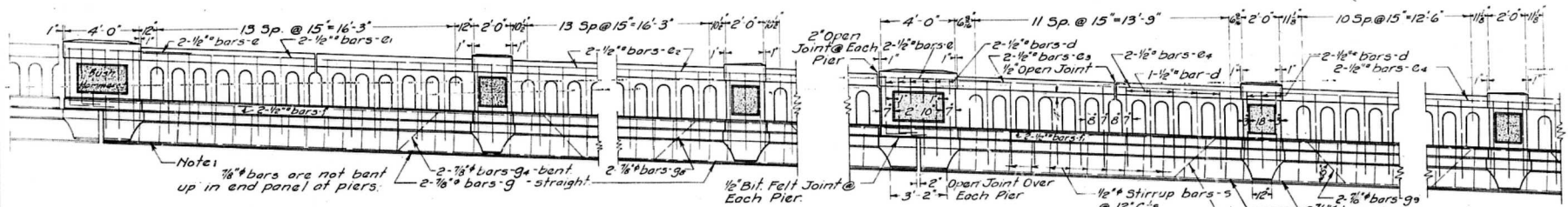
SHEET NO. 12
21 SHEETS

Post B
Lamp Post NS
Lamp Post FS
Pier Post A

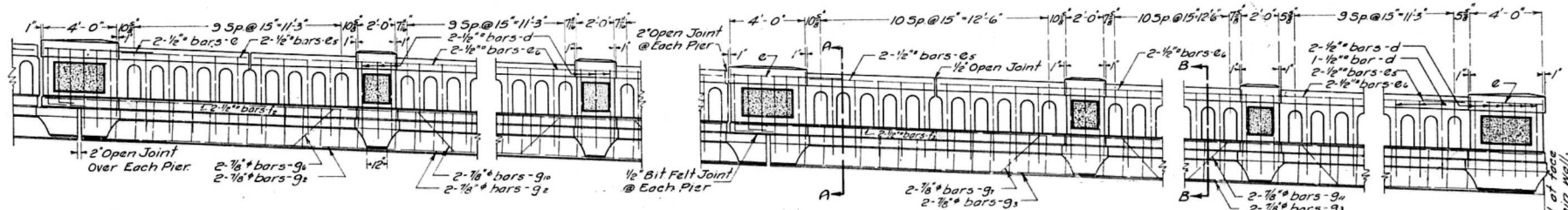


GENERAL LAYOUT OF RAIL

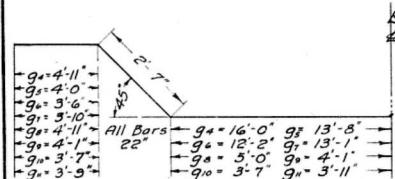
Note: Rail dimensions shown are actual lengths along grade.



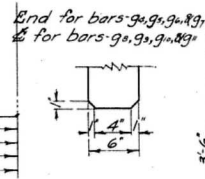
END PANEL TYPICAL RAIL FOR 160' TRUSS SPANS
INTERMEDIATE PANEL TYPICAL RAIL FOR 93'-11 1/4" PLATE GIRDER SPANS



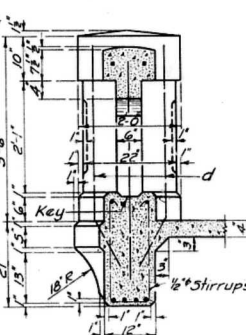
END PANEL TYPICAL RAIL FOR 53'-11 1/4" PLATE GIRDER SPAN
INTERMEDIATE PANEL TYPICAL RAIL FOR 73'-10 1/4" PLATE GIRDER SPANS



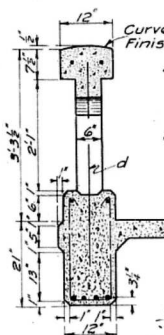
DETAIL OF BEAM BARS G4-G11



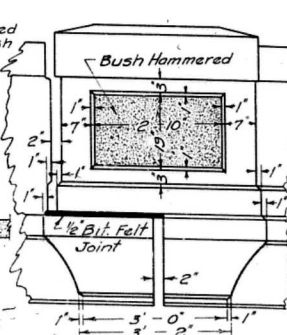
DETAIL OF KEY



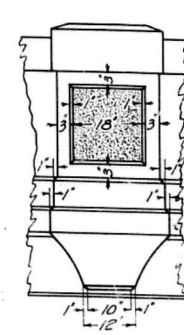
SECTION A-A



SECTION B-B



PIER POST A



POST B

Note: All rails and post shall be vertical and conform with the grade on vertical curves. All reinforcing steel shall be wired securely in place before concrete is poured. Use class X conc. throughout.

RAIL DETAILS
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.T. ROUTE 121 - SECTION 103 C
TAEWELL CO.

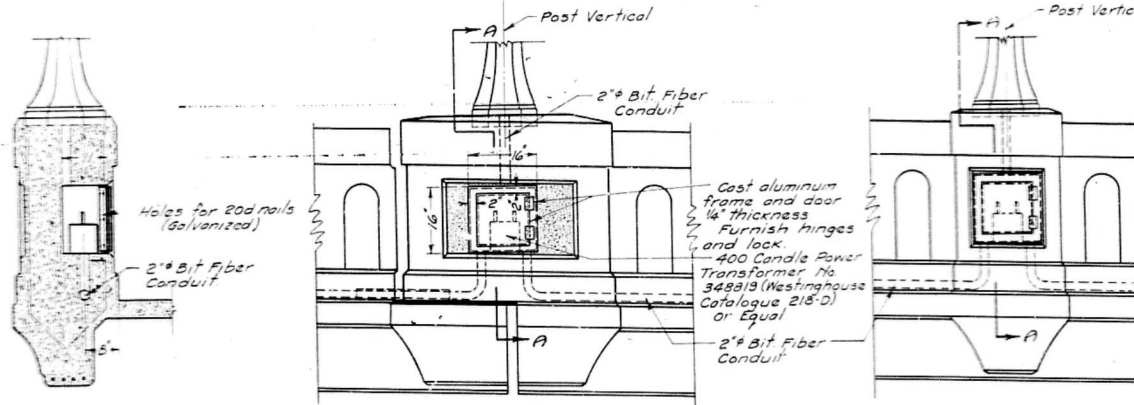
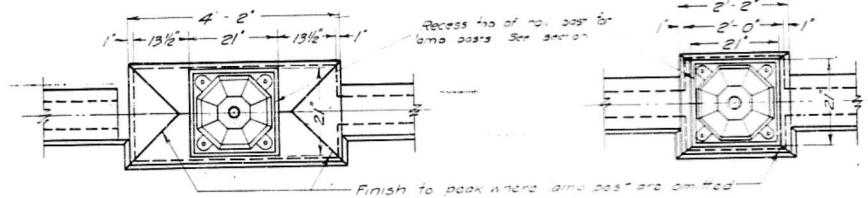
STANDARD	COMPLETED	EXAMINED
	CHECKED	PASSED
	DRAWN	APPROVED
SPECIAL	ASSEMBLED	
	CHECKED	

JUNE 27, 1930
BRIDGE ENGINEER
ENGINEER OF DESIGN
CHIEF HIGHWAY ENGINEER

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

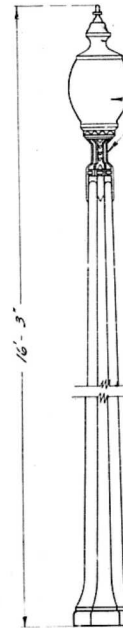
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
131	103-C	Tazewell	35	26
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 131				

SHEET NO. 13
21 SHEETS



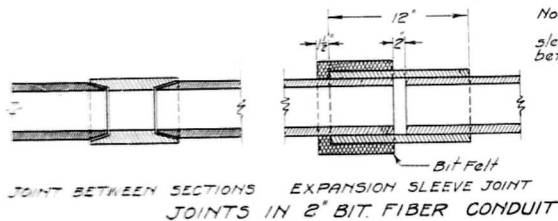
SECTION A-A

DETAILS OF BOX FOR TRANSFORMER
AT POST 'A' AT POST 'B'
Boxes located at all post carrying lamps



Lighting Unit and Casing equal to Westinghouse equipment described as follows:
Washington large lighting unit style No 352,361 with Bi-Lux refractor No 354,160 and Follum casing No 347,341. Lamp to be 4000 lumen, 400 candle power, 15 ampere, mazda C.

TYPICAL LAMP POST
Westinghouse Standard Lamp Post
Sheridan No. 13, fitted with Standard Galvanized Steel Spider Base. Or Equal



SECTION OF RAIL POST
SHOWING RECESS FOR LAMP POST

STANDARD	COMPUTED	EXAMINED
CHECKED	—	—
DRAWN	—	—
CHECKED	—	—
SPECIAL	ASSEMBLED	—
CHECKED	—	—

EXAMINED June 27, 1930
PASSED
APPROVED
CHIEF HIGHWAY ENGINEER

LIGHTING SYSTEM
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.I. ROUTE 121 - SECTION 103-C
TAZEWELL CO.

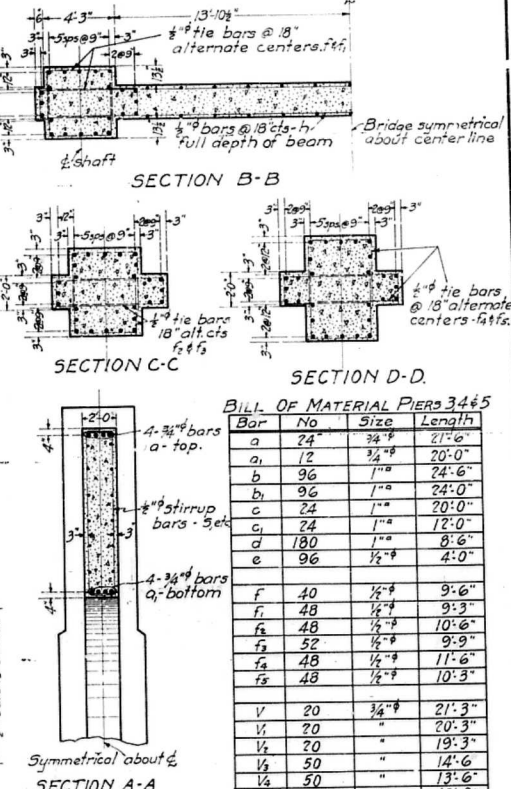
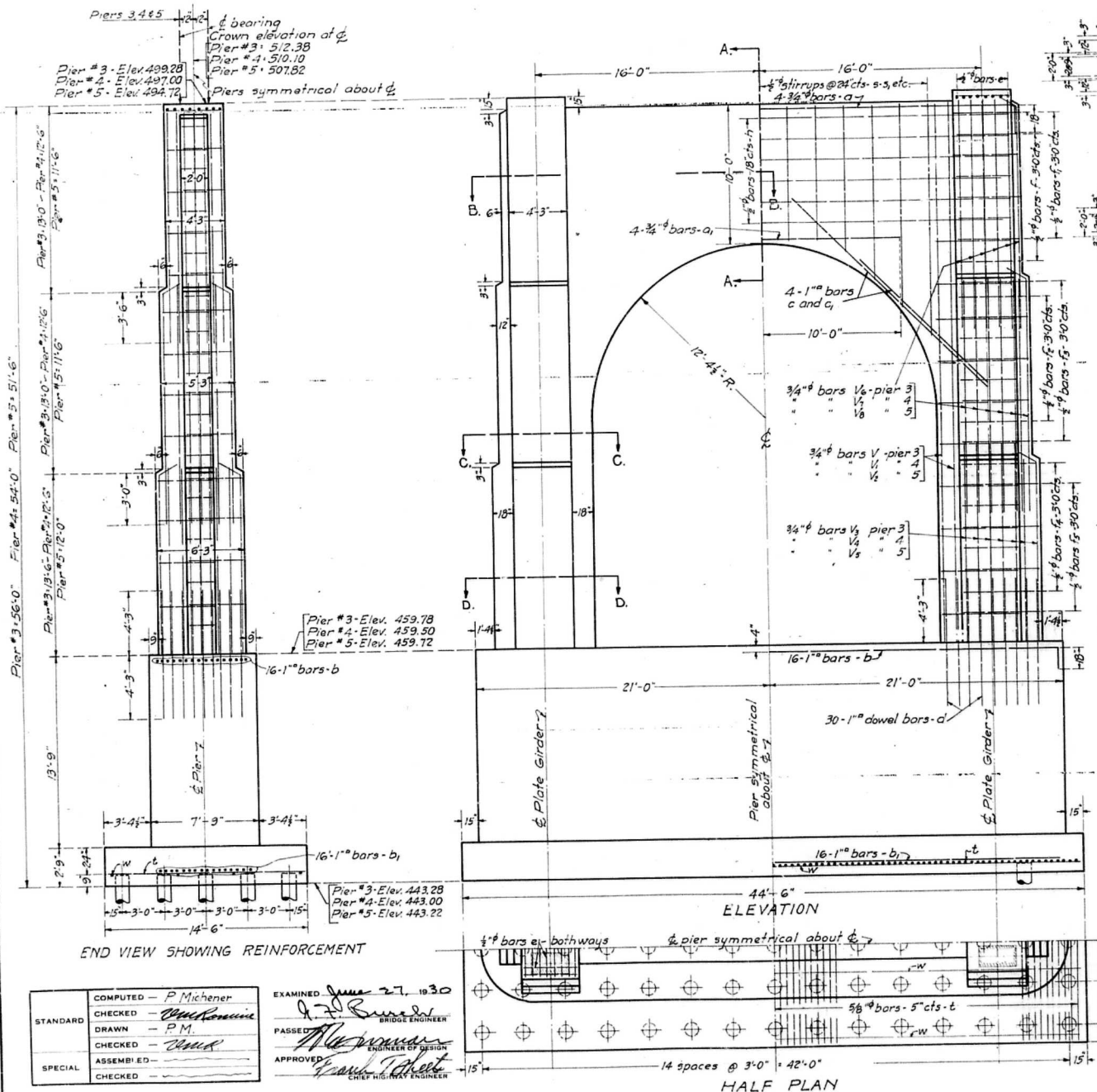
PIERS 1 & 2
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.I. ROUTE 121 - SECTION 105-B
TATZEWELL CO.

B.M. 'X' on concrete base of tower;
Rt. of Sta. 30+50.
Elevation 451.22.

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

WORK SHEET NO.	SHEET NO.	COUNTY	TOTAL SHEETS	DATE
121	121	Tazewell	35	28

SHEET NO. 12
27 SHEETS



BILL OF MATERIAL PIER 34+5

Bar	No	Size	Length
a	24	3/4"	21'-6"
a ₁	12	3/4"	20'-0"
b	96	1"	24'-6"
b ₁	96	1"	24'-0"
c	24	1"	20'-0"
c ₁	24	1"	12'-0"
d	180	1"	8'-6"
e	96	1/2"	4'-0"
F	40	1/2"	9'-6"
F ₁	48	1/2"	9'-3"
F ₂	48	1/2"	10'-6"
F ₃	52	1/2"	9'-9"
F ₄	48	1/2"	11'-6"
F ₅	48	1/2"	10'-3"
V	20	3/4"	21'-3"
V ₁	20	"	20'-3"
V ₂	20	"	19'-3"
V ₃	50	"	14'-6"
V ₄	50	"	13'-6"
V ₅	50	"	13'-0"
V ₆	84	"	16'-6"
V ₇	84	"	15'-9"
V ₈	84	"	14'-9"
h	72	1/2"	16'-0"
s	15	"	23'-6"
s ₁	6	"	25'-0"
s ₂	6	"	29'-6"
s ₃	12	"	17'-6"
s ₄	12	"	19'-6"
t	318	3/8"	14'-3"
w	24	1/4"	23'-0"

Reinforcing Steel Lbs. 44410
Class X concrete Cu Yds. 970.5
18 Ton Creosoted piling 4500 lin. ft.

Class X concrete, to be used throughout.
All reinforcing steel to be securely wired
in place before concrete is poured.
18 Ton Creosoted piles, 12" butt, 8" tip.
225 required, Estimated length 4500 lin. ft.

PIERS 3, 4 & 5
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.I. ROUTE 121 - SECTION 103-B
TAZEWELL CO.

COMPUTED	P. Michener
CHECKED	W. R. Brown
DRAWN	P. M.
CHECKED	W. R. Brown
ASSEMBLED	
CHECKED	

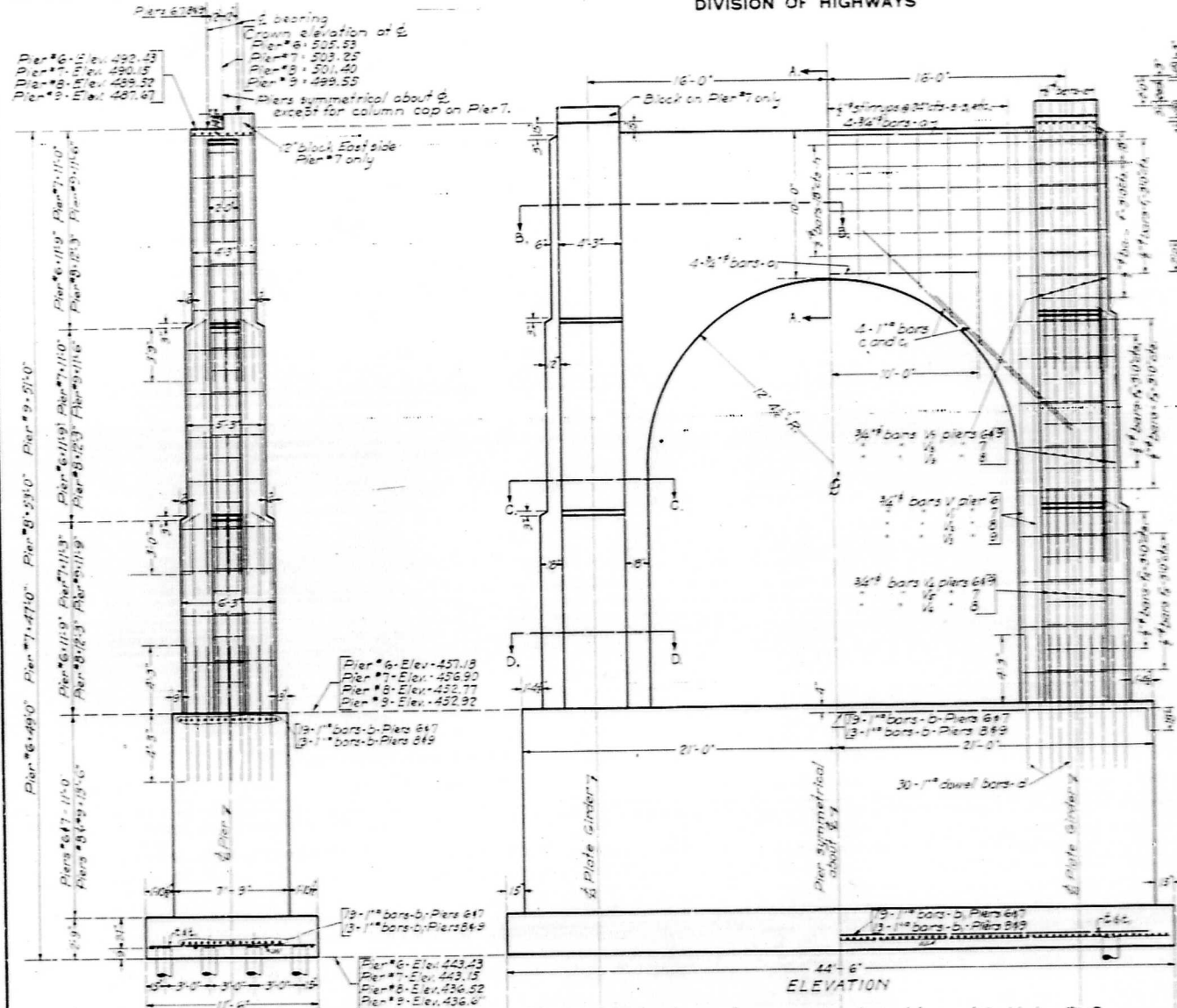
EXAMINED June 27, 1930
W. R. Brown
BRIDGE ENGINEER
PASSED
W. R. Brown
ENGINEER OF DESIGN
APPROVED
Paul Thelt
CHIEF HIGHWAY ENGINEER

B.M. on concrete base of tower
 P. of Sta. 30+30
 Elevation 451.22

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

DATE	BY	CHECKED	APPROVED	SHEET NO.
1930	W. B. Tazewell	35	29	7 SHEETS

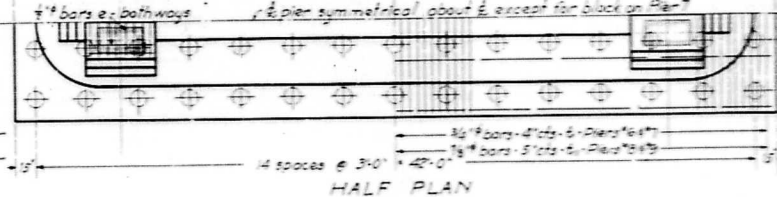
SHEET NO. 6
 7 SHEETS



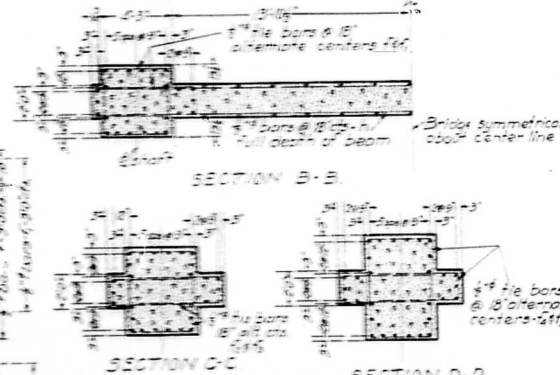
END VIEW SHOWING REINFORCEMENT

STANDARD	COMPUTED - P. Michener
CHECKED - P. Michener	
DRAWN - P. Michener	
CHECKED - P. Michener	
ASSEMBLED - P. Michener	
CHECKED - P. Michener	

EXAMINED June 27, 1930
 W. B. Tazewell
 PASSED
 APPROVED
 W. B. Tazewell



HALF PLAN



Bill of Material Piers 6, 7, 8 & 9

Bar	No.	Size	Length
a	32	3/4"	21'-6"
b	128	1/2"	24'-0"
c	32	1/2"	20'-0"
d	32	1/2"	12'-0"
e	24	1/2"	8'-6"
f	24	1/2"	4'-0"
g	48	1/2"	9'-6"
h	60	1/2"	9'-3"
i	64	1/2"	10'-6"
j	60	1/2"	9'-9"
k	36	1/2"	11'-6"
l	64	1/2"	10'-3"
m	20	3/4"	18'-6"
n	20	1/2"	17'-6"
o	20	1/2"	9'-3"
p	20	1/2"	8'-3"
q	100	1/2"	12'-6"
r	30	1/2"	12'-0"
s	50	1/2"	13'-0"
t	68	1/2"	15'-6"
u	84	1/2"	14'-9"
v	84	1/2"	16'-0"
w	20	1/2"	23'-6"
x	8	1/2"	25'-0"
y	8	1/2"	29'-6"
z	16	1/2"	17'-6"
aa	16	1/2"	19'-6"
ab	266	3/4"	11'-3"
ac	242	3/4"	11'-3"
ad	32	1/2"	23'-0"

Reinforcing Steel Lbs. 61460
 Class II concrete Cu lbs. 1151.6
 18 Ton Cressed piling 1 in 4800

Class II concrete to be used throughout.
 All reinforcing steel to be securely wired
 in place before concrete is poured.
 18 Ton Cressed piles, 27 built & 12
 240 required, Estimated length 4800 in ft.

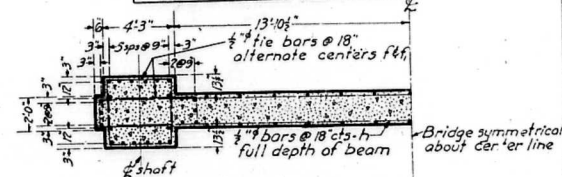
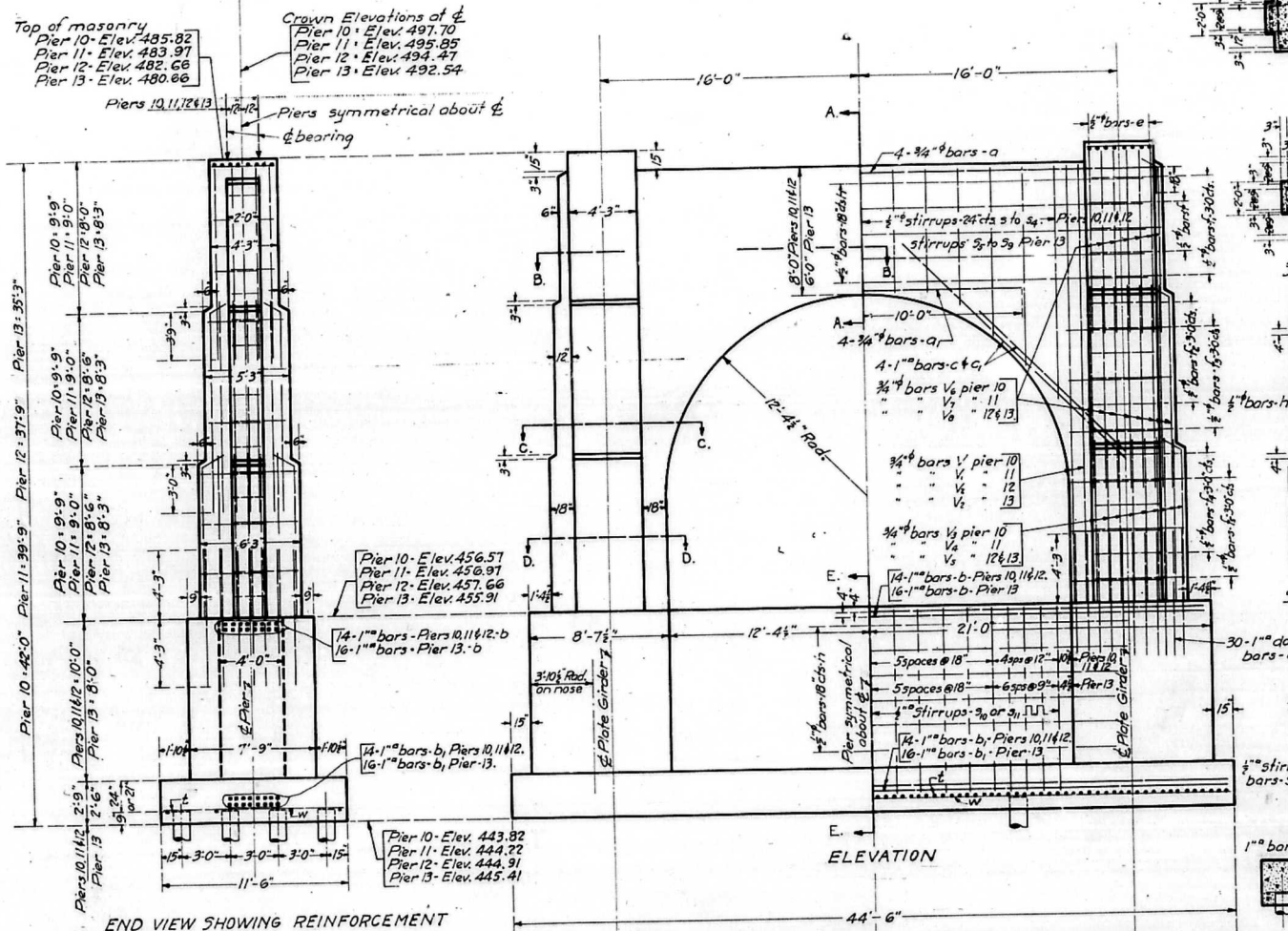
PIERS 6, 7, 8 & 9
 EAST APPROACH
 ILLINOIS RIVER BRIDGE
 PEORIA, ILLINOIS
 S.B.I. ROUTE 101 - SECTION 103-B
 TAZEWELL CO.

B.M. "X" on base of concrete tower
Rt. of Sta. 30+50.
Elevation 451.22

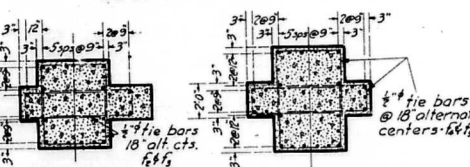
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.	SHEET TOTAL	DATE
121	103	35	30
Tazewell		ILLINOIS	

SHEET NO. 17
21 SHEETS

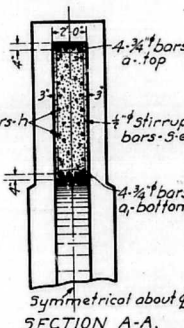


SECTION B-B.

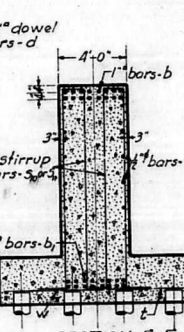


SECTION C-C.

SECTION D-D.



SECTION A-A.



SECTION E-E.

BILL OF MATERIAL PIER 10, 11, 12 & 13

Bar	No	Size	Length
a	32	3/4"	21'-6"
a	16	3/4"	20'-0"
b	116	1"	23'-0"
b	116	1"	24'-0"
c	32	"	20'-0"
c	32	"	12'-0"
d	240	"	8'-6"
e	128	1/2"	4'-0"
f	44	1/2"	9'-6"
f	40	1/2"	9'-3"
g	48	"	10'-6"
g	52	"	9'-9"
h	48	"	11'-6"
h	40	"	10'-3"
i	20	3/4"	15'-6"
j	20	"	14'-6"
k	40	"	13'-6"
k	30	"	10'-6"
l	50	"	9'-9"
l	100	"	9'-3"
m	84	"	13'-6"
m	84	"	12'-9"
n	168	"	12'-3"
o	172	1/2"	18'-0"
p	15	1/2"	19'-6"
q	6	"	21'-0"
q	6	"	25'-6"
r	12	"	15'-6"
r	12	"	17'-6"
s	5	"	15'-6"
s	2	"	17'-0"
s	2	"	13'-6"
s	2	"	15'-6"
t	114	1/2"	27'-9"
t	46	1/2"	23'-9"
u	356	3/4"	17'-3"
u	32	1/2"	23'-0"

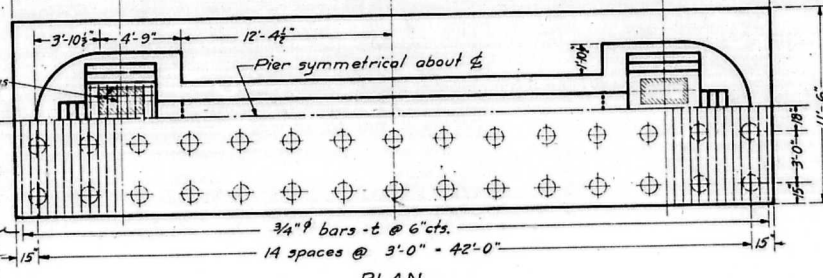
Reinforcing Steel Lbs. 56,630
Class X concrete cu yds. 800.8
15 Ton Cased Piles 111 ft. 4800

Glass X concrete to be used throughout.
All reinforcing steel to be securely wired in place before concrete is poured.

PIERS 10, 11, 12 & 13
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS.
S.B.I. ROUTE 121 - SECTION 103-B
TAEWELL CO.

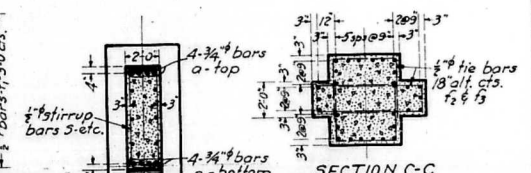
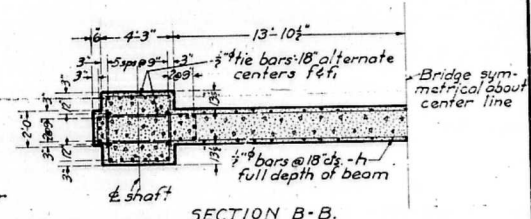
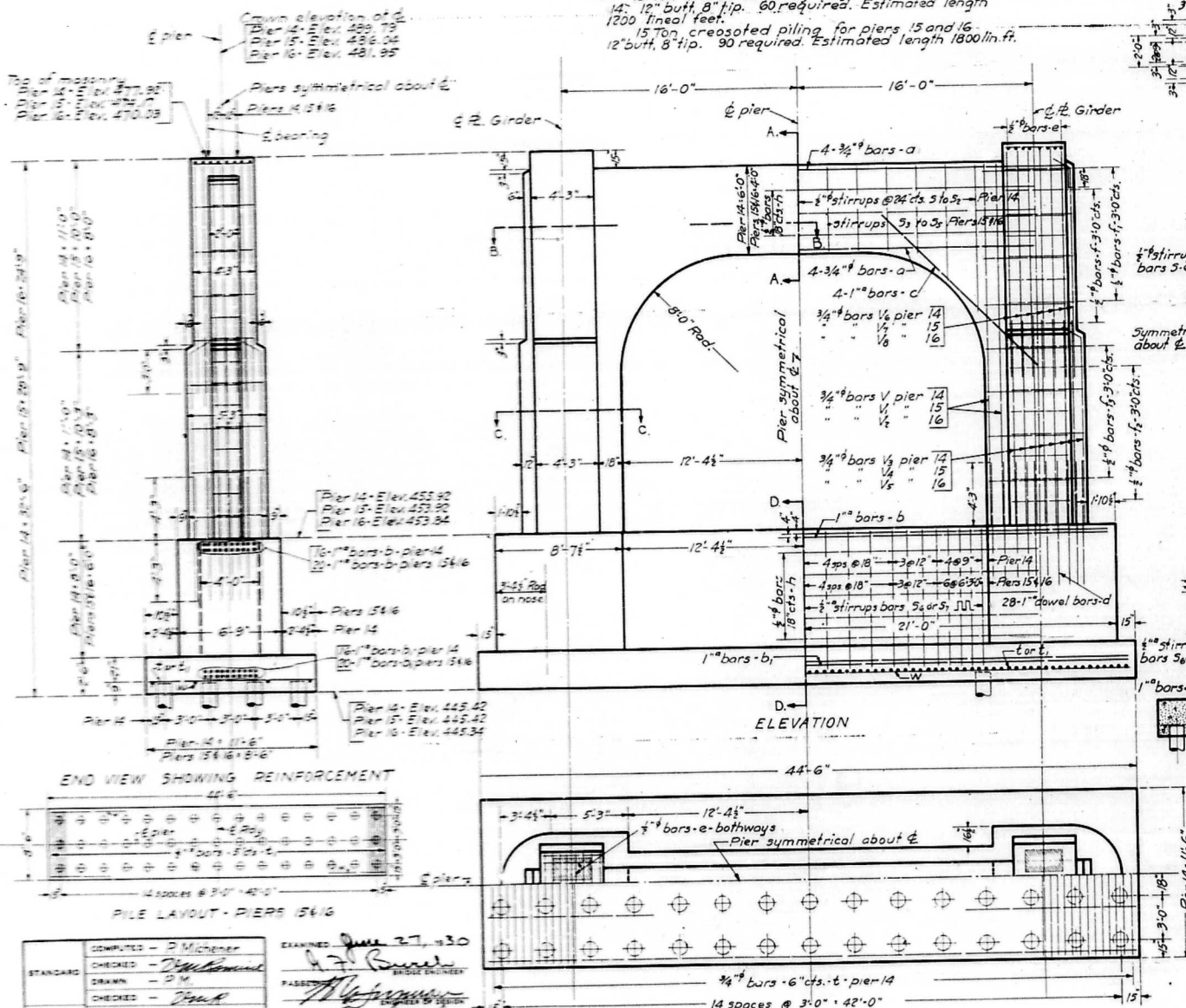
COMPUTED	P. Michener
CHECKED	W. B. Burch
DRAWN	P. M.
CHECKED	W. B. Burch
ASSEMBLED	
CHECKED	

EXAMINED June 27, 1930
W. B. Burch
BRIDGE ENGINEER
PASSED
W. B. Burch
ENGINEER OF HIGHWAY
APPROVED
W. B. Burch
CHIEF HIGHWAY ENGINEER



PLAN

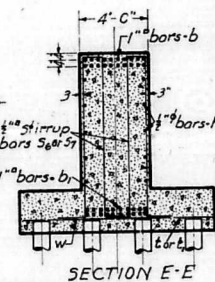
Note:
Class X concrete to be used throughout.
All reinforcing steel shall be wired
securely in place before concrete is poured.
15 ton cresosoted piling required for pier
14: 12" butt, 8" tip. 60 required. Estimated length
1200 lineal feet.
15 ton cresosoted piling for piers 15 and 16
12" butt, 8" tip. 90 required. Estimated length 1800 lin. ft.



BILL OF MATERIAL - PIERS 14, 15 & 16.

Bar	No	Size	Length
a	24	3/4"	27'-6"
a ₁	12	3/4"	32'-0"
b	112	1"	23'-0"
b ₁	112	"	24'-0"
c	24	"	15'-0"
d	168	"	8'-6"
e	96	1/2"	4'-0"
f	32	1/2"	9'-6"
f ₁	40	"	9'-3"
f ₂	40	"	10'-6"
f ₃	36	"	9'-9"
V	10	3/4"	21'-9"
V ₁	10	"	20'-0"
V ₂	10	"	16'-0"
V ₃	46	"	11'-9"
V ₄	46	"	11'-0"
V ₅	46	"	9'-0"
V ₆	38	"	13'-9"
V ₇	38	"	12'-9"
V ₈	38	"	10'-9"
V ₉	80	1/2"	17'-0"
S	9	1/2"	15'-0"
S ₁	2	"	20'-0"
S ₂	2	"	24'-6"
S ₃	18	"	11'-6"
S ₄	4	"	16'-0"
S ₅	4	"	20'-6"
S ₆	46	1/2"	23'-3"
S ₇	108	1/2"	20'-3"
t	89	3/4"	11'-3"
w	214	1/2"	8'-3"
c ₁	16	1/2"	23'-0"

Reinforcing Steel Lys. 33080
 Class X concrete Cuds. 4017
 15 Ton Creosoted piling lin. #4 3000



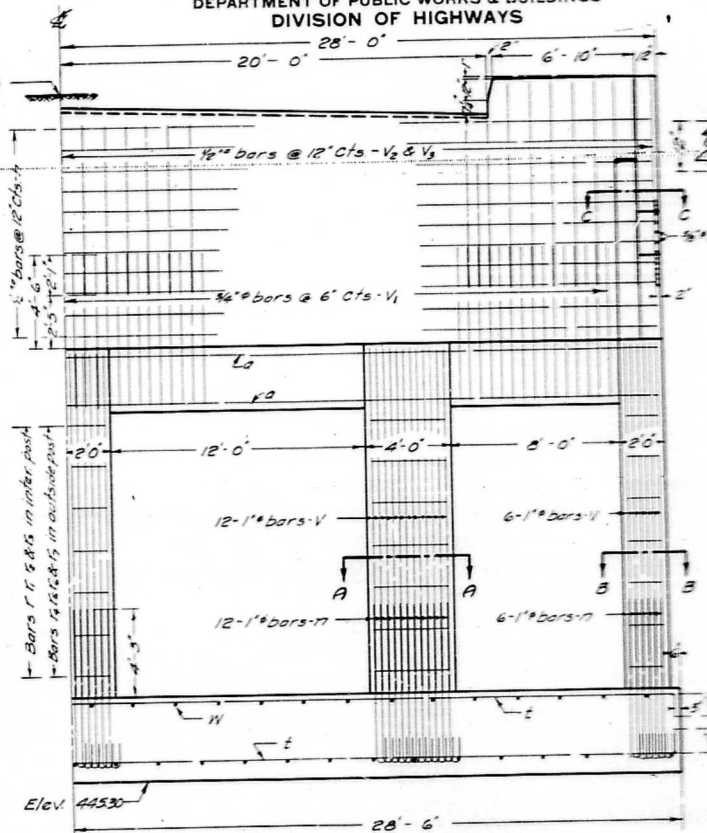
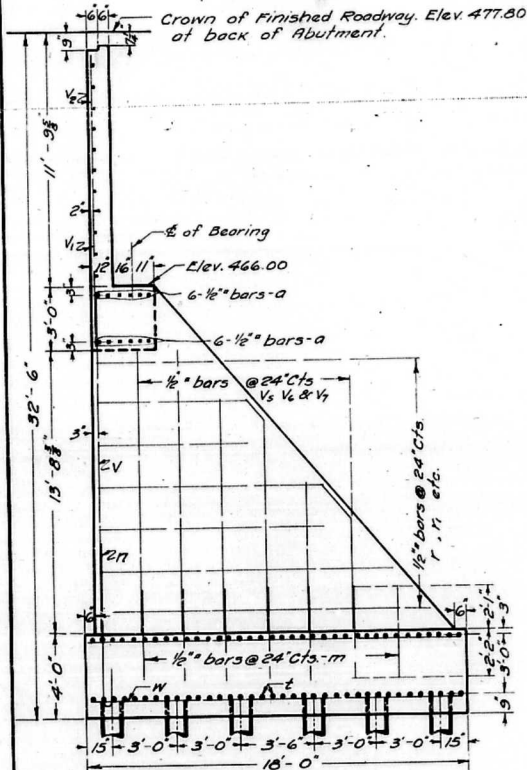
PIERS 14, 15 AND 16
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS.
S.B.I. ROUTE 121 - SECTION 103-B
TAZEWELL CO.

B.M. "X" on concrete base of tower
Right of Sta. 30+50
Elevation 451.22

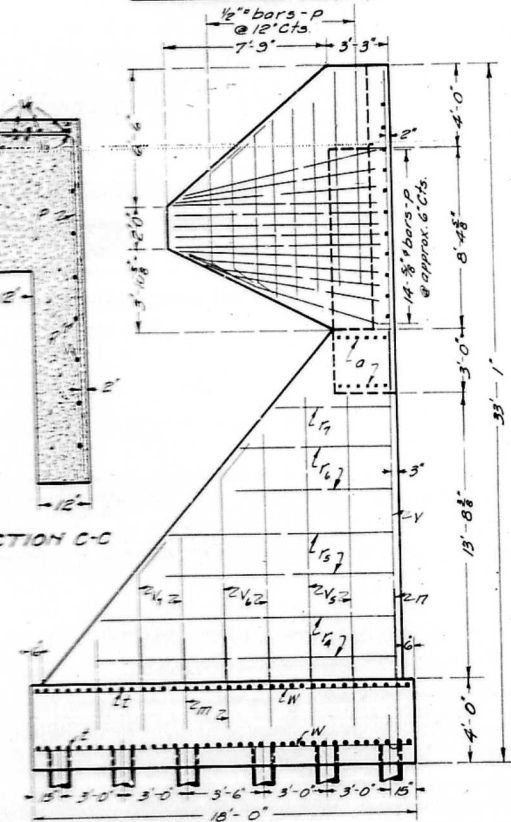
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
121	121	Tazewell	35	32
SHEETS				

Crown of Finished Roadway. Elev. 477.80
at back of Abutment.



SECTION C-C

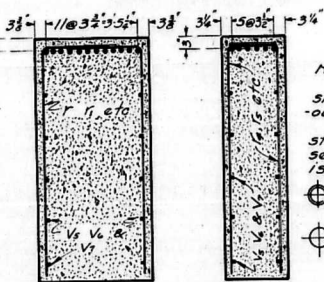


END ELEVATION

BILL OF MATERIAL FOR ABUTMENT

Bar	No.	Size	Length	Bar	No.	Size	Length
V	48	1/2"	16'-6"	F	12	1/2"	17'-0"
V ₁	104	3/8"	7'-3"	F ₁	12	1/2"	13'-0"
V ₂	41	1/4"	8'-3"	F ₂	12	1/2"	10'-0"
V ₃	16	1/4"	9'-9"	F ₃	8	1/2"	8'-0"
V ₄	8	1/4"	11'-3"	F ₄	6	1/2"	15'-6"
V ₅	20	1/2"	13'-6"	F ₅	8	1/2"	11'-6"
V ₆	20	1/2"	11'-0"	F ₆	8	1/2"	8'-6"
V ₇	20	1/2"	7'-0"	F ₇	4	1/2"	6'-6"
W	70	1/2"	4'-3"	L	144	3/4"	31'-0"
T	48	1/2"	8'-6"	N	57	1/2"	17'-6"
P	22	1/2"	28'-6"	P	28	3/8"	11'-9"
P	22	1/2"	28'-6"	P	16	1/2"	10'-0"
Class X Concrete - Cu Yds.							2380
Reinforcing Steel - Lbs.							15560
18 Ton Cressed Piling - Lin Ft							760
15 Ton Cressed Piling - Lin Ft							1520

EAST ABUTMENT
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.I. ROUTE 121 - SECTION 103-B
TAEWELL CO.



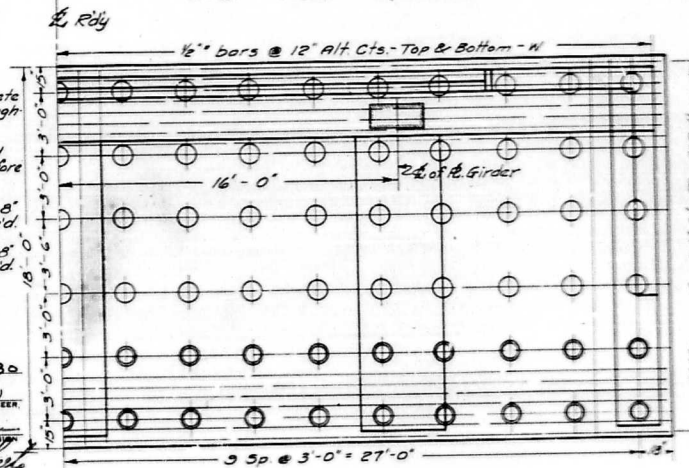
SECTION A-A SECTION B-B

Note:
Class X concrete
shall be used through-
out.
All reinforcing
steel shall be wired
securely in place before
is poured.

18 Ton Creo. Piles 8'
tip, 12" Butt, 38 Reg'd.
15 Ton Creo. Piles 8'
tip, 12" Butt, 76 Reg'd.

COMPUTED -	McKinnis
CHECKED -	P. Michener
DRAWN -	DMR
CHECKED -	P.M.
ASSEMBLED -	
CHECKED -	

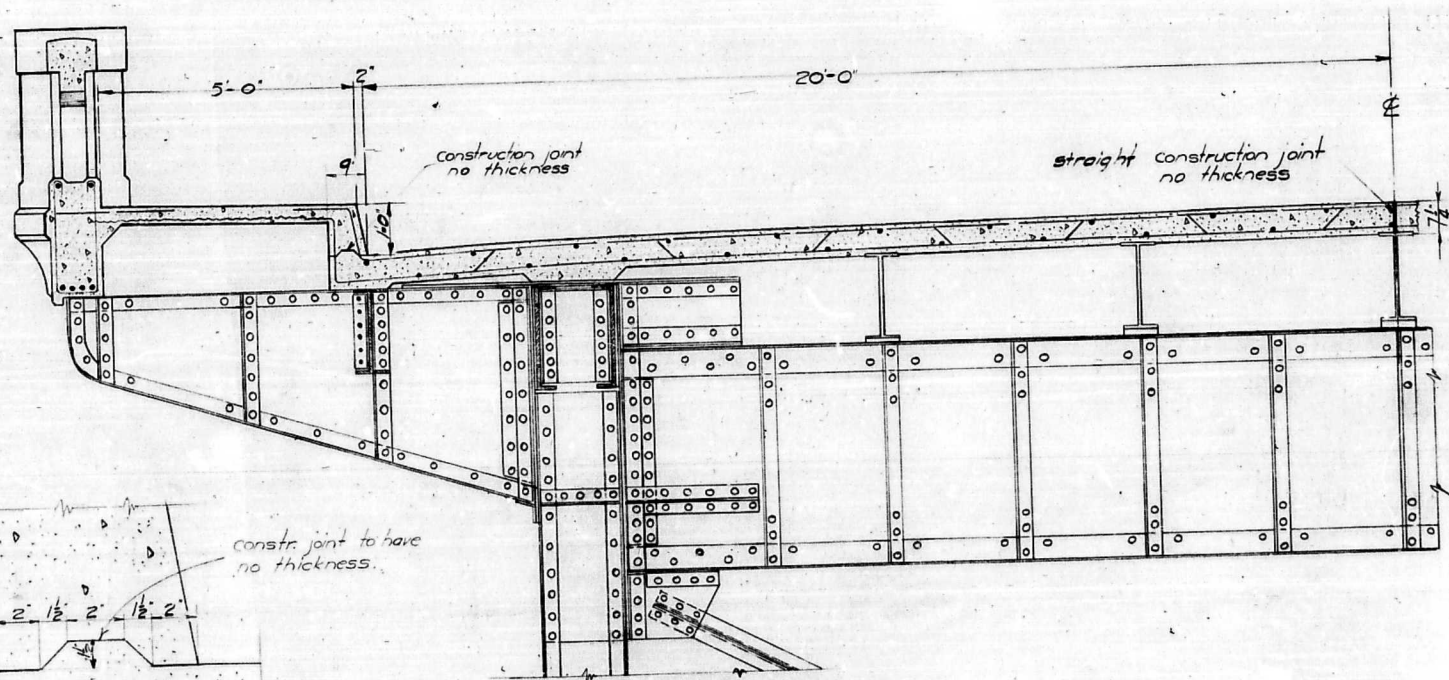
EXAMINED -	June 27, 1932
DESIGNED BY -	H. J. Smith
PASSED -	H. J. Smith
APPROVED -	H. J. Smith
ENGINEER OF HIGHWAYS	



HALF PLAN

RETAINING WALL
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS.
S.B.I. ROUTE 121 - SECTION 103-B
TAZEWELL CO.

RETAINING WALL
EAST APPROACH
ILLINOIS RIVER BRIDGE
PEORIA, ILLINOIS
S.B.I. ROUTE 121 - SECTION 103-B
TAZEWELL CO.



HALF CROSS SECTION OF CONCRETE DECK FLOOR
SHOWING PERMISSABLE LOCATION OF CONST. JOINTS

DETAIL OF CONST. JOINT
AT CURB

CEDAR STREET APPROACH
S. B. I. ROUTE 121-SEC. 103-C
TAZEWELL CO.

June 29, 1932

