

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	FG/ 520(3)			
STATE JOB NO. 11397					

SUMMARY OF BRIDGE QUANTITIES (MO. PAC. R.R. OVERPASS ONLY)

ITEM NO.	ITEM	UNIT	BRIDGE NO 2571 CODE NO X131										TOTALS
			Bents No. 1 & 20	Bents No. 2 & 19	Bents No. 3, 4, 5, 16, 17, 18	Bents No. 6, 7, 8, 11, 14, 15	Bents No. 9, 10, 12, 13	Piers No. 1 & 2	Spans No. 1 & 21	Spans No. 2-9 Incl., 13-20 Incl.	Spans No. 10 & 12	Span No. 11	
103	Dry Excavation For Structures	Cu. Yd.	118	50	204	148		243					763
103	Wet Excavation For Structures	Cu. Yd.				74	126	46					246
SP&802	Class "A" Concrete For Bridges	Cu. Yd.						221.80					221.80
SP&802	Class "S" Concrete For Bridges	Cu. Yd.	27.60	37.56	189.96	202.83	144.12		54.76	546.26	68.46	50.75	1322.30
803	Reinforcing Steel	Lb.	3,306	6,824	32,802	34,530	24,276	13,490	10,008	102,725	12,710	10,009	250,680
SP&804	Concrete Piling (14" Square)	Lin. Ft.						1,260					1,260
SP&804	Concrete Piling (18" Octagonal)	Lin. Ft.	720	630	1,470	1,470	980						5,270
804	Concrete Pile Cut-Off (18" Octagonal)	Lin. Ft.		44	133	133	89						399
SP805-3	Steel Plate Guard Rail (10 Gage)	Lin. Ft.	13						146	1440	180	133	1,912
807	Structural Steel in End Spans	Lb.	1,150						52,108	535,714	71,900	58,958	720,130
SP858-2	Met. Blast Plates	Lb.										5,770	5,770
929	Bridge Name Plates (Type "A")	Each	2										2

NOTE: For Summary of Quantities in Interchange Structure (B. No. 2593) See Drwg. No. 7846.

Work To Be Done By S.W. Bell Tel. Co.
Replace eight poles to clear deck 20 feet.

Work To Be Done By Mo. Pac. R.R. Co.
Install Inside Guard Rail.
Adjust signal wires (Temporary work)
Adjust signal wires (Permanent work)
Temporary and Permanent changes in Western Union Lines.

SCHEDULE OF BRIDGE QUANTITIES
MO. PAC. R.R. OVERPASS
NEAR MARION, ARK.
CRITTENDEN COUNTY
ROUTE 61 SEC. 1

REVISED 2-14-51 To show work to
be done by Mo. Pac. R.R. Co.

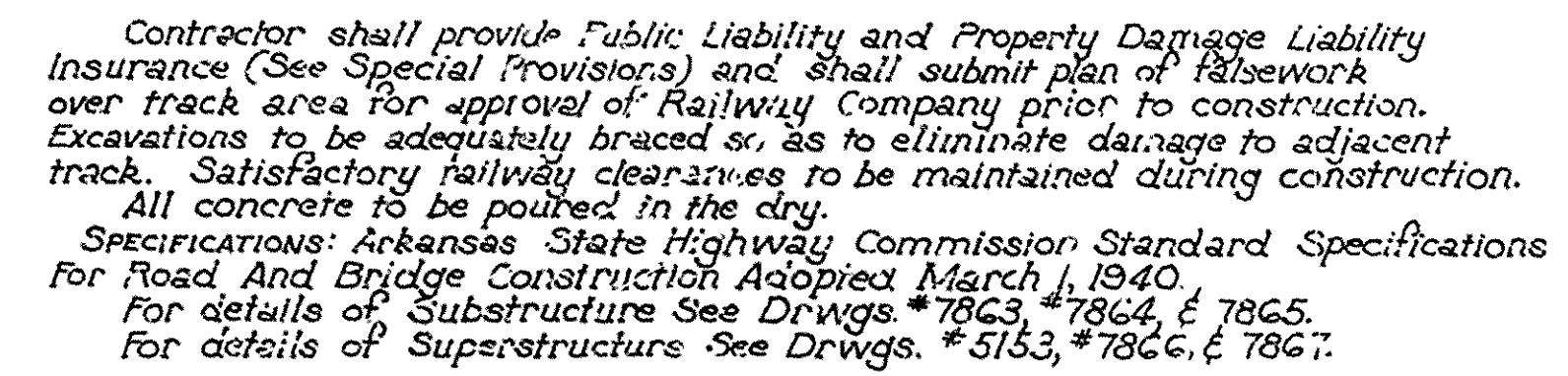
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Drawn By: L.P.C. Date: 2-6-50
Traced By: S.V.G. Date: 2-7-50
Checked By: _____ Date: _____

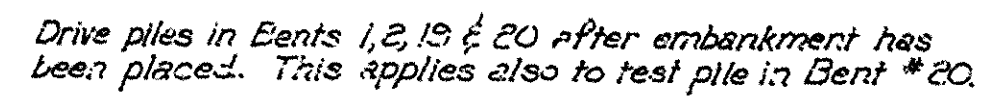
Scale: _____ in. = ft.

BRIDGE NO. 2571 DRAWING NO. 7861

W. J. Goodman
12-10-50
ENGINEER



Overall Length of Bridge = 951.9

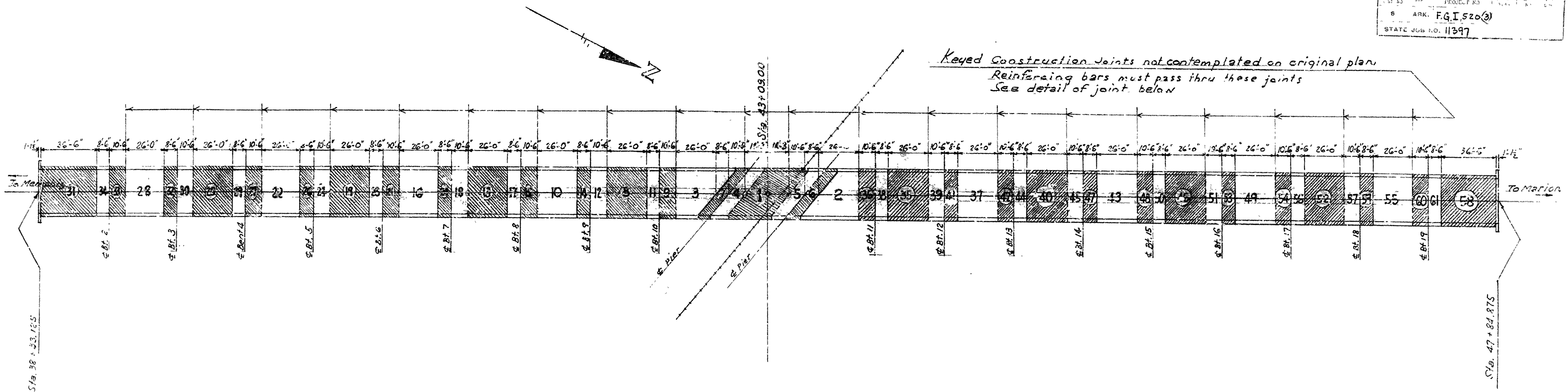


LAYOUT OF
MO. PAC. R.R. OVERPASS
NEAR MARION, ARK.
CRITTENDEN COUNTY
ROUTE 61 SEC. 1

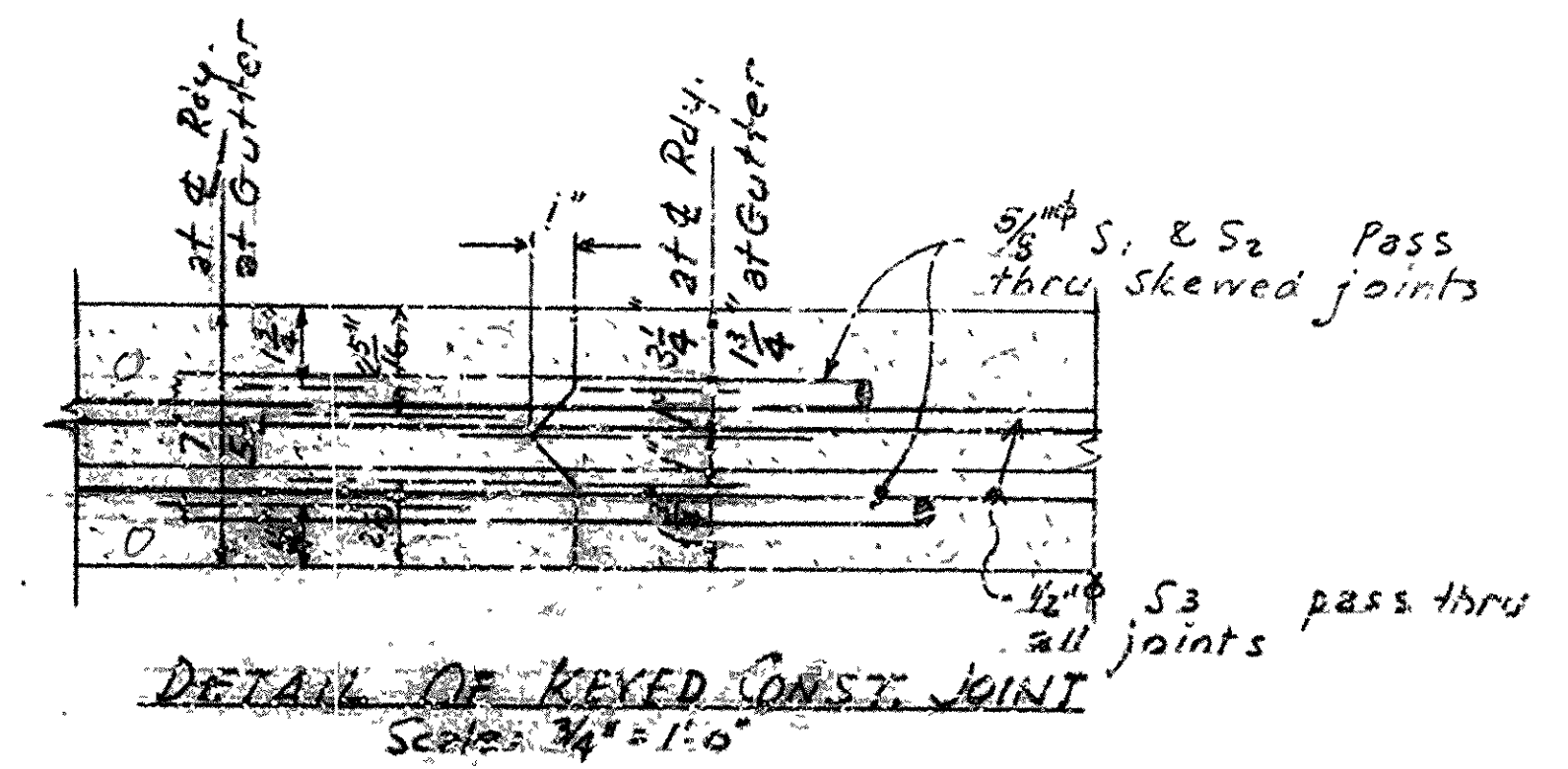
Drawn By: E.A.W. Date: 1-2-50
Traced By: FM Date: 4-18-50
Checked By: _____ Date: _____
Scale: 1 in. = 30 ft.

BRIDGE NO. 2671 **DRAWING NO. 7862**

Loadings: H20 S16
Stresses: Class "A" Concrete = 7000 ψ n=15
Class "C" Concrete = 1000 ψ n=10
Structural and Reinforcing Steel = 18,000 ψ
Drive one pile in Bent #3, one pile in Pier #1, one pile
in Bent #16, and one pile in Bent #20 as test piles.
Test piles are to be cast 50' longer than
lengths indicated.



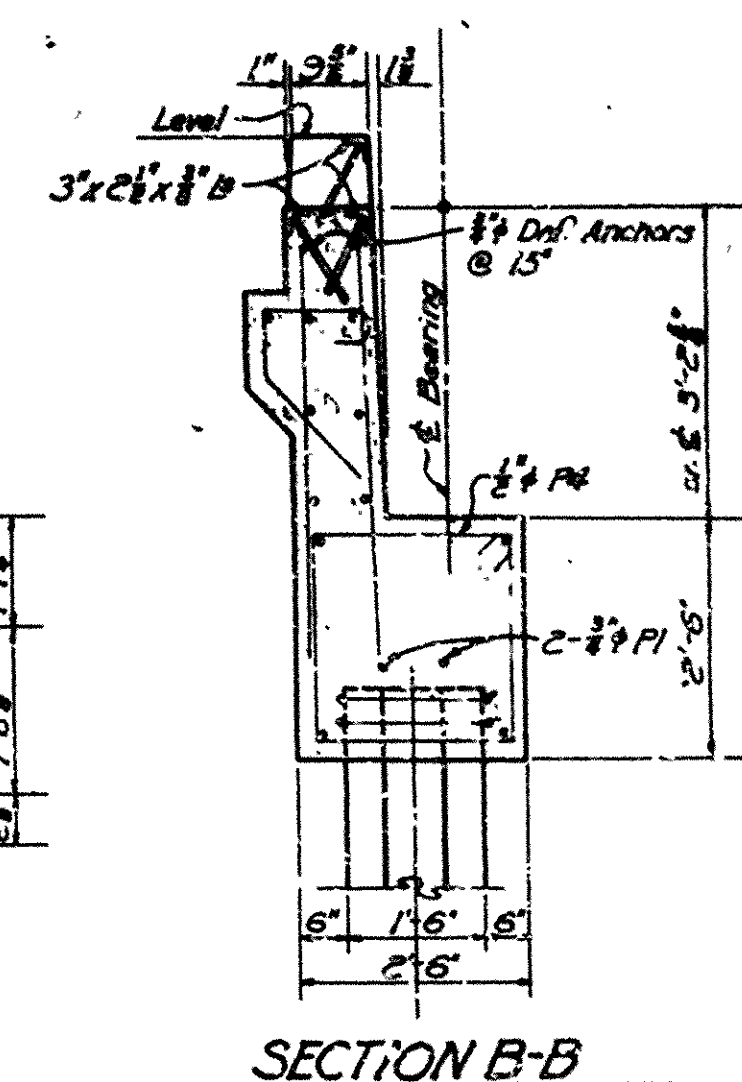
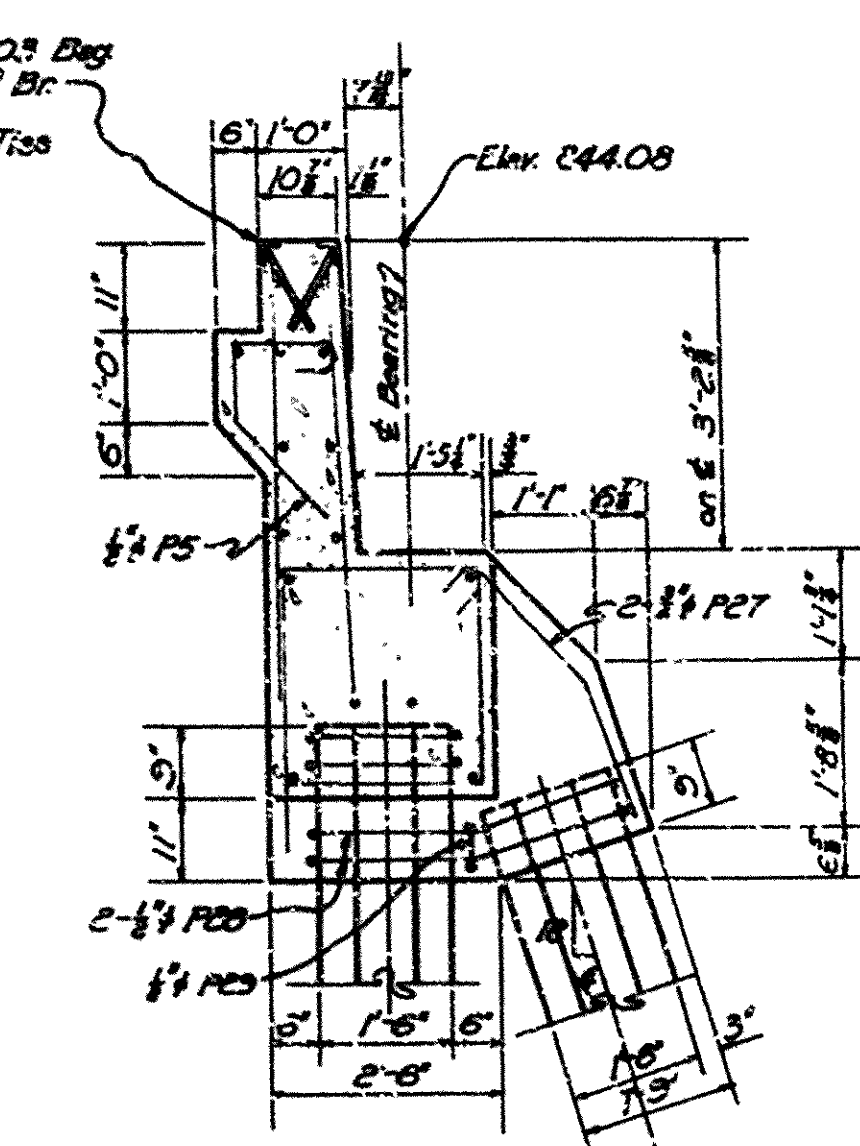
PLAN SHOWING POURING SEQUENCE



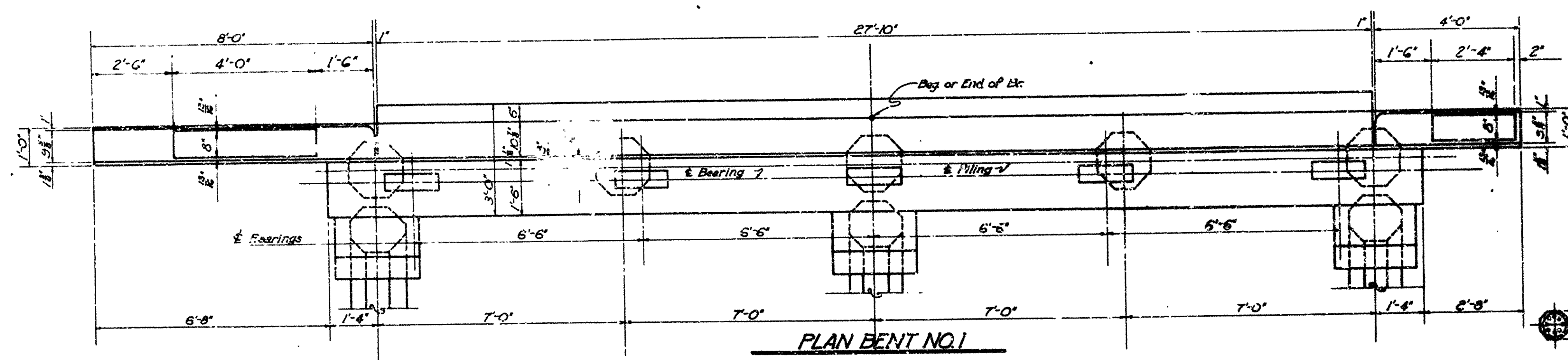
SLAB POURING SEQUENCE
 MO. PAC. R.R. OVERPASS
 NEAR MARION, ARK.
 CRITTENDEN COUNTY
 ROUTE 61 SEC. 1

ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: E.A.W. Date: 8-25-52
 Ckd. By: [Signature] Date: [Signature]
 Scale: 1 in. = 30 ft. and as noted
 BRIDGE NO. 2671 DRAWING NO. 7862-A

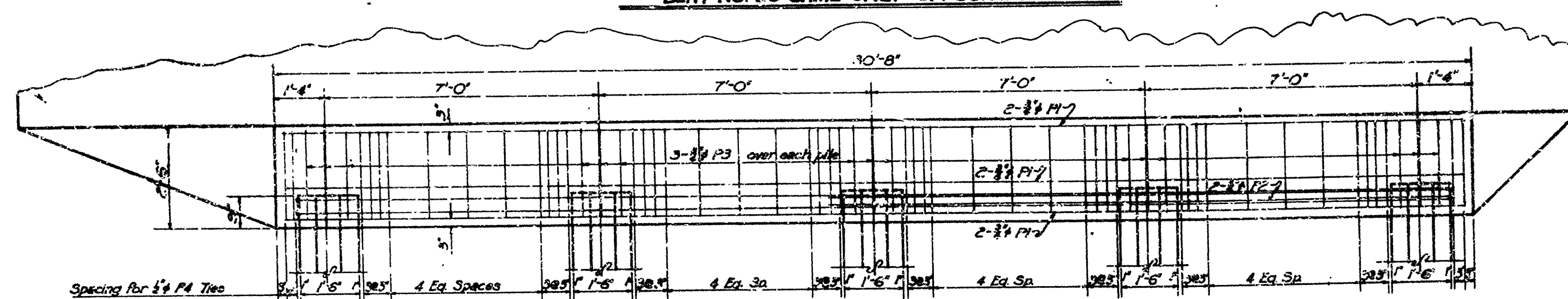
APPROVED BY
 [Signature]
 Bridge Design Engineer



FRONT ELEVATION BENT NO. 1
BENT NO. 20 SAME ONLY OPPOSITE HAND

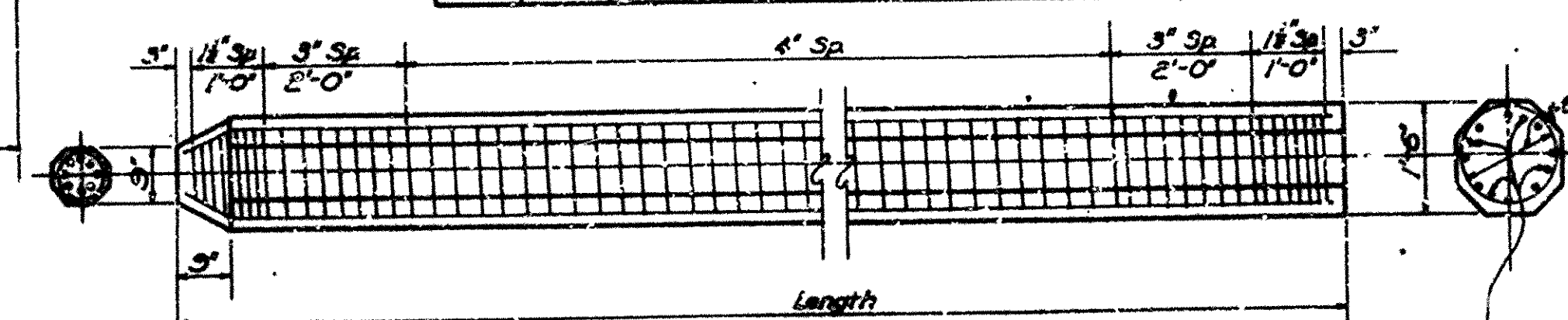


PLAN BENT NO.1
BENT NO. 20 SAME ONLY OPPOSITE HAND



ELEVATION SHOWING REINFORCING STEEL IN CAP ONLY
BENTS 1 & 20

LIST OF BENT BARS

[illegible]

Reinforcing Vertical Bars { 6-3/4" Lengths to 35' } Spiral No. 4 Wire
 { 8-6" Lengths to 45' }
 For Lengths over 45' Add 4-2" thru middle third of pile
 Piles to be driven to a minimum bearing of 45 Tons
 For General Notes see Drawing Number 5553

DETAILS OF 18" PRECAST CONCRETE PILE

DETAILS OF BENTS NO. 1 & 20

MO. FAC. RR OVERPASS

NEAR MARION, ARK.

CRITTENDEN COUNTY

ROUTE 61 SEC. 1

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Drawn By: L.A.M. Date: 5-17-50

Traced By: RM Date: 4-14-50

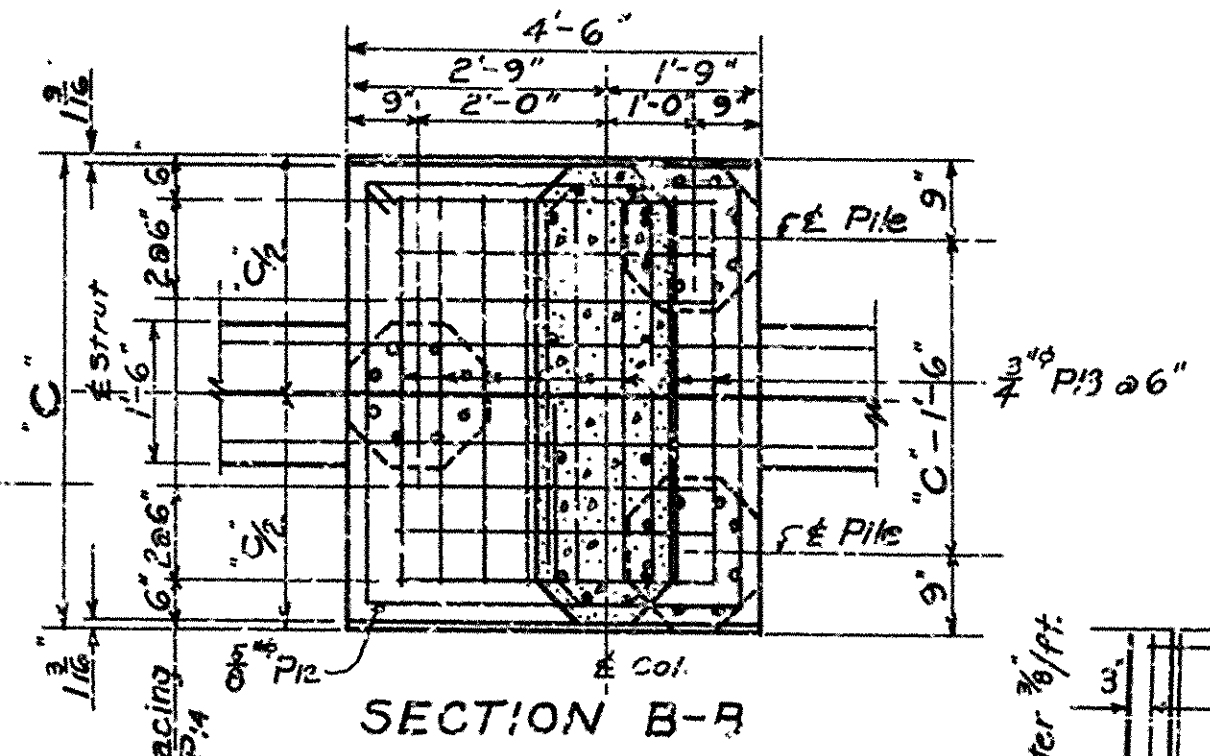
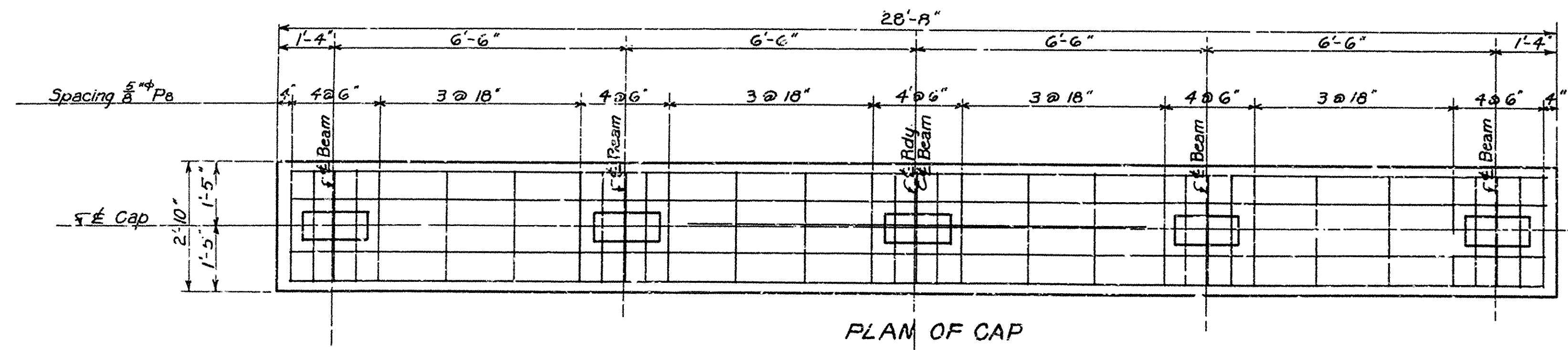
Checked By: LHK Date: 4-18-50

BRIDGE NO. 2671

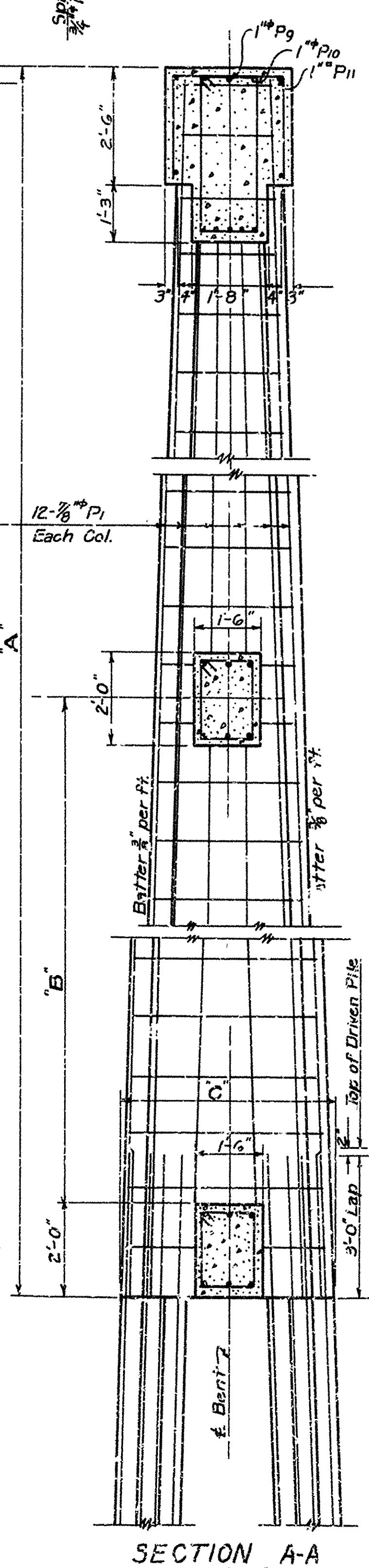
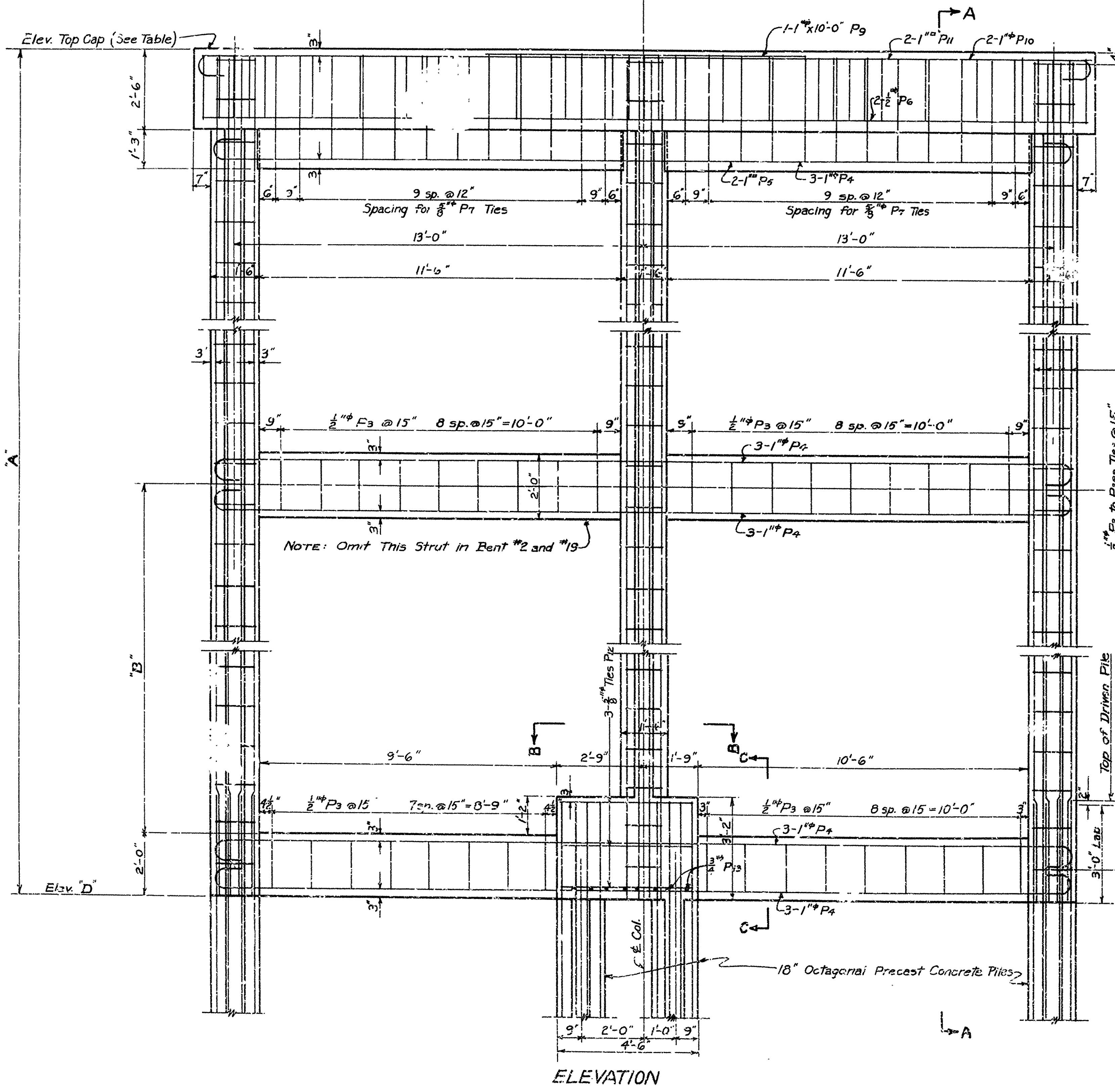
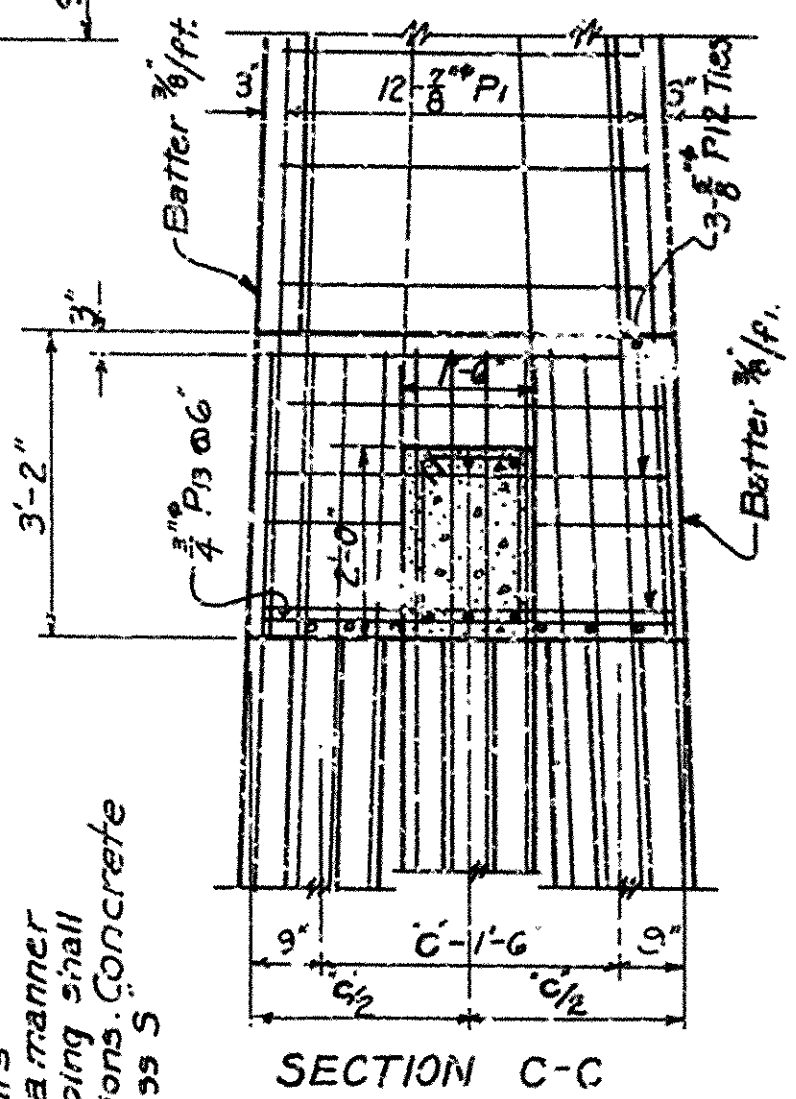
DRAWING NO. 7863

Walt Goodman
Public Opinion Program

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO	TOTAL SHEETS
6	ARK.	F.G. 1 5205		9	28
STATE JOB NO. 11597				10	33



DIMENSIONS AT BENTS					
BENT No.	ELEV. TOP OF CAP	ELEV. D	DIST. A	DIST. B	DIST. C
2	242.02	225.02	17'-0"	0	3'-2½"
3	243.14	209.14	34'-0"	14'-9"	4'-3⅝"
4	244.15	210.15	34'-0"	14'-9"	4'-3⅝"
5	245.03	211.03	34'-0"	14'-9"	4'-3⅝"
6	245.75	200.10	31'-0"		4'-5½"
7	246.41	209.41	37'-0"	3	4'-5½"
8	246.91	209.31	37'-0"	16'-3"	4'-5½"
9	247.29	207.29	40'-0"	17'-9"	4'-8⅛"
10	247.55	207.55	40'-0"	17'-9"	4'-8⅛"
11	247.55	210.55	37'-0"	16'-3"	4'-5½"
12	247.29	207.29	40'-0"	17'-9"	4'-8⅛"
13	246.91	206.91	40'-0"	17'-9"	4'-8⅛"
14	246.41	209.41	37'-0"	16'-3"	4'-5½"
15	247.78	210.78	37'-0"	16'-3"	4'-5½"
16	245.03	211.03	34'-0"	14'-9"	4'-3⅝"
17	244.15	210.15	34'-0"	14'-9"	4'-3⅝"
18	243.14	209.14	34'-0"	14'-9"	4'-3⅝"
19	242.02	225.02	17'-0"	0	3'-2½"



LIST OF REINFORCING BARS

BENT No	MARK	SIZE	LENGTH	A	B
2 & 19	P ₁	$\frac{3}{8}"$	16'-8"	5'4"	
3-4-5	P ₁	"	33'-8"	"	
16-17-18	P ₁	"	33'-8"	"	
6-7-8	P ₁	"	36'-8"	"	
11-14-15	P ₁	"	39'-8"	"	
9-10-12-13	P ₁	"	39'-8"	"	
2 & 19	P ₂ to P _{2m}	$\frac{1}{2}"$	Ave. 7'-3"	Varies 1'-18" to 2'-11"	
3-4-5	P ₂ to P _{2z}	"	Ave. 8'-3"	Varies 1'-18" to 3'-12"	
16-17-18	P _{2z}	"	Ave. 8'-3"	Varies 1'-18" to 3'-12"	
6-7-8	P ₂ to P _{2cr}	"	Ave. 8'-6"	Varies 1'-18" to 3'-4"	
11-14-15	P _{2cr}	"	Ave. 8'-6"	Varies 1'-18" to 3'-4"	
9-10-12-13	P ₂ to P _{2ee}	"	Ave. 9'-12"	Varies 1'-18" to 3'-6"	
2 & 19	P ₁₂	$\frac{3}{8}"$	13'-11"	4'-0"	2'-7"
3-4-5	P ₁₂	"	16'-1"	4'-0"	3'-8"
16-17-18	P ₁₂	"	16'-5"	4'-0"	3'-10"
6-7-8	P ₁₂	"	16'-5"	4'-0"	3'-10"
11-14-15	P ₁₂	"	16'-9"	4'-0"	4'-0"
9-10-12-13	P ₁₂	"	16'-9"	4'-0"	4'-0"
2 & 19	P ₁₃	$\frac{3}{8}"$	2'-3"	5'4"	
3-4-5	P ₁₃	"	3'-4"	"	
16-17-18	P ₁₃	"	3'-4"	"	
6-7-8	P ₁₃	"	3'-6"	"	
11-14-15	P ₁₃	"	3'-9"	"	
9-10-12-13	P ₁₃	"	3'-9"	"	
All	P ₁₄	"	3'-6"	"	
All	P ₅	$\frac{1}{2}"$	6'-3"	1'-12"	1'-7"
All	P ₇	$\frac{3}{8}"$	10'-1"	1'-3 1/2"	3'-4 1/2"
All	P ₈	"	6'-9"	2'-1 1/2"	2'-5 1/2"
All	P ₉	1" #	29'-0"	27'-0"	8
All	P ₅	1" #	29'-0"	27'-0"	8
All	P ₆	$\frac{1}{2}"$ #	28'-2"	3'4"	
All	P ₂	1" #	10'-0"	"	
All	P ₁₀	"	30'-2"	28'-2"	8
All	P ₁₁	1" #	30'-2"	28'-2"	8

BENDING DIAGRAM

When "A" in P₂ is less than 1'-8", make lap same as "A"

 Pile concrete shall be stripped back to here and vertical bars
laid out as shown. The pile concrete shall be stripped in such a manner
as to avoid damage to remaining concrete and steel. Stripping shall
be paid for as pile cut-off under-entire bobs. If the specifications concrete
poured in place above this elevation shall be paid for as Class S
concrete for bridges.

:-GENERAL NOTES:-

Maximum Bearing 33 Tons Per Pile,
Drive to Minimum Bearing Capacity of
33 Tons.
For Details of 16' Precast Piles See
Drwg. No. 7863
For General Notes See Drwg. No. 5153

DETAILS OF BENTS 2 TO 19 INCL.
MO. PACIFIC R.R. OVERPASS
NEAR MARION ARKANSAS
CRITTENDEN COUNTY
ROUTE 61 SEC. 1

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

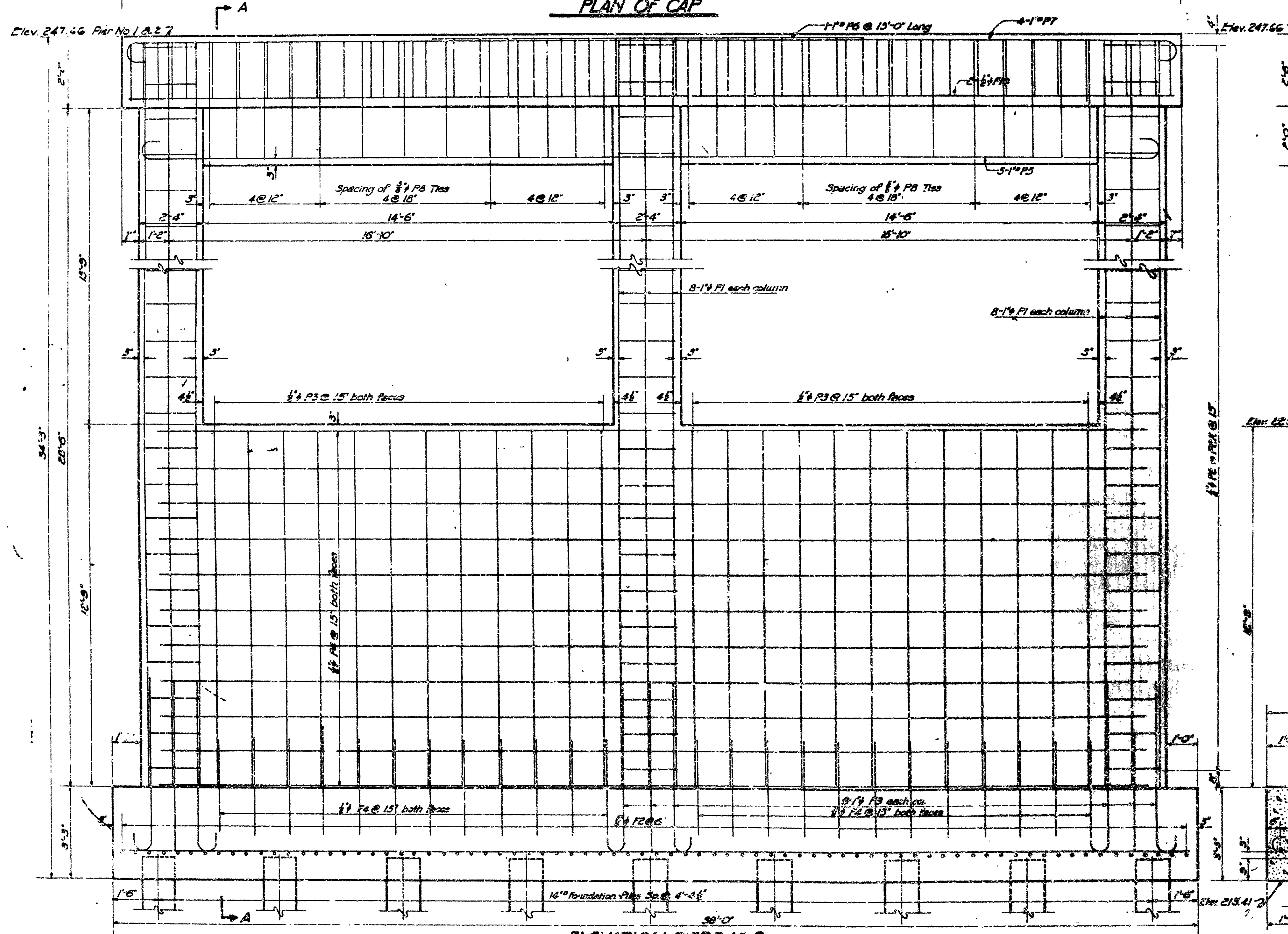
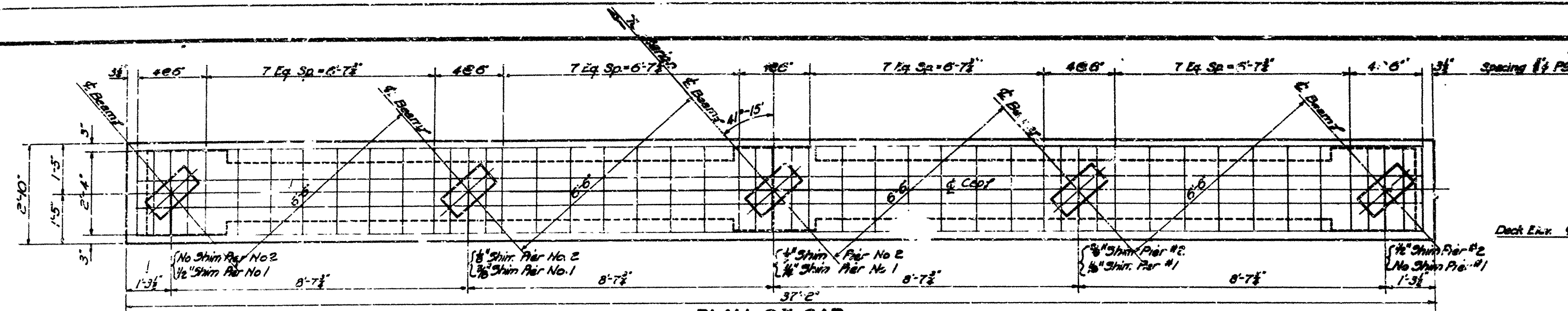
Drawn By: L.A.M. Date: 2-25-50
Traced By: W.W.M. Date: 3-16-50
Checked By: J.H.H. Date: 4-29-50

Scale: $\frac{1}{8} \text{ in.} = 1 \text{ ft.}$

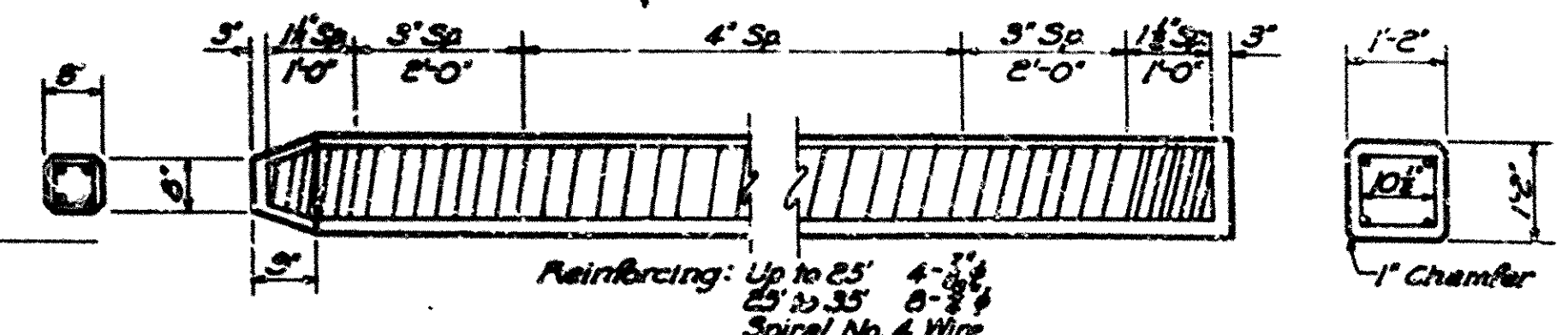
BRIDGE NO. 2671 DRAWING NO. 78G4

BRIDGE NO. 2671 DRAWING NO. 7864

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
ARK.	FGI 520(3)		10	28
STATE JOB NO.	11397		11	45



ELEVATION PIERS 1 & 2



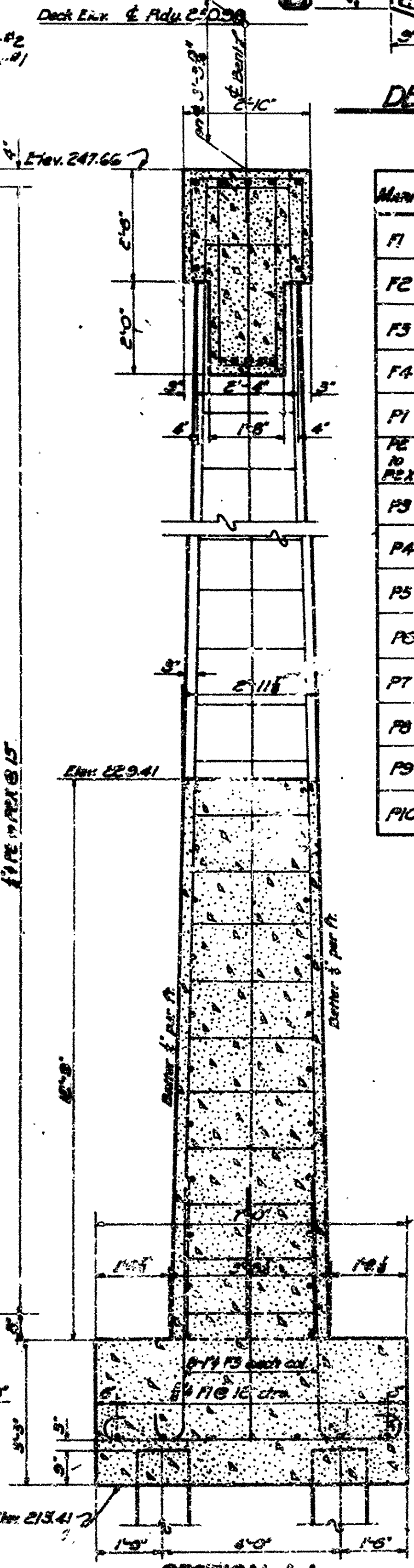
DETAILS OF PRECAST CONCRETE PILE

LIST OF BARS

Mark	Size	Length	A	B	BENDING DIAGRAM
P1	1/2"	37'-6"	Str.		
P2	1/2"	8'-0"	6'-6"	6'	
P3	1/2"	7'-0"	6'-0"		
P4	1/2"	3'-4"	Str.		
P5	1/2"	30'-8"	Str.		
P6	1/2"	11'-11"	1'-10 1/2"	1'-10 1/2"	
P7	1/2"	12'-6"	Str.		
P8	1/2"	34'-8"	Str.		
P9	1/2"	37'-6"	35'-6"	8'	
P10	1/2"	15'-0"	Str.		
P11	1/2"	58'-8"	36'-8"	8'	
P12	1/2"	11'-7"	1'-3 1/2"	4'-1 1/2"	
P13	1/2"	6'-9"	2'-1 1/2"	2'-5 1/2"	
P14	1/2"	36'-8"	Str.		

GENERAL NOTES:-

All concrete in Piers 1 & 2 to be Class "A" except precast concrete piles which are to be Class "B". All exposed corners to have 1" Chamfer unless otherwise noted.
Volume occupied by embedded pile heads is not included in concrete quantity.
Live Load: H20 S18
Unit Stresses: Reinforcing Steel 18000 psi, Class "A" Concrete 7500 psi.
Maximum bearing on 18" Sq. piles = 2.4 tons per pile. Drive to minimum capacity of 25 tons.
For additional general notes See Drawing No. 5153

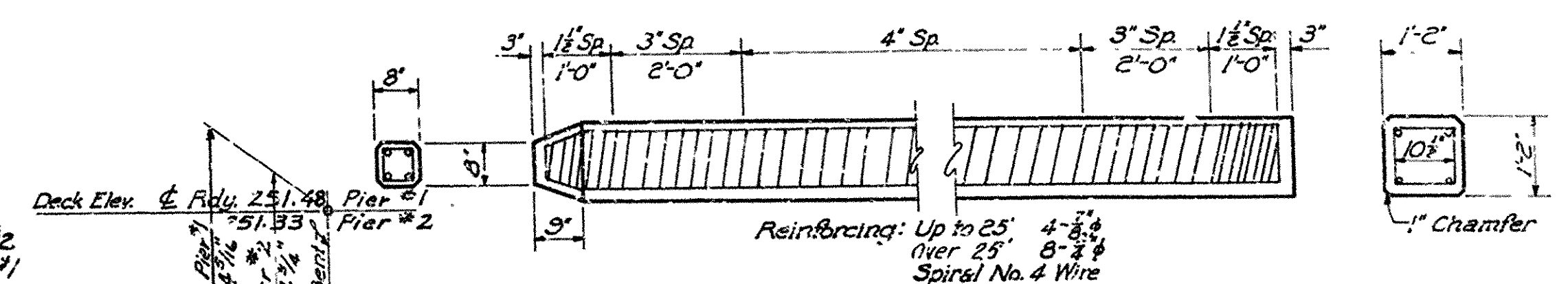
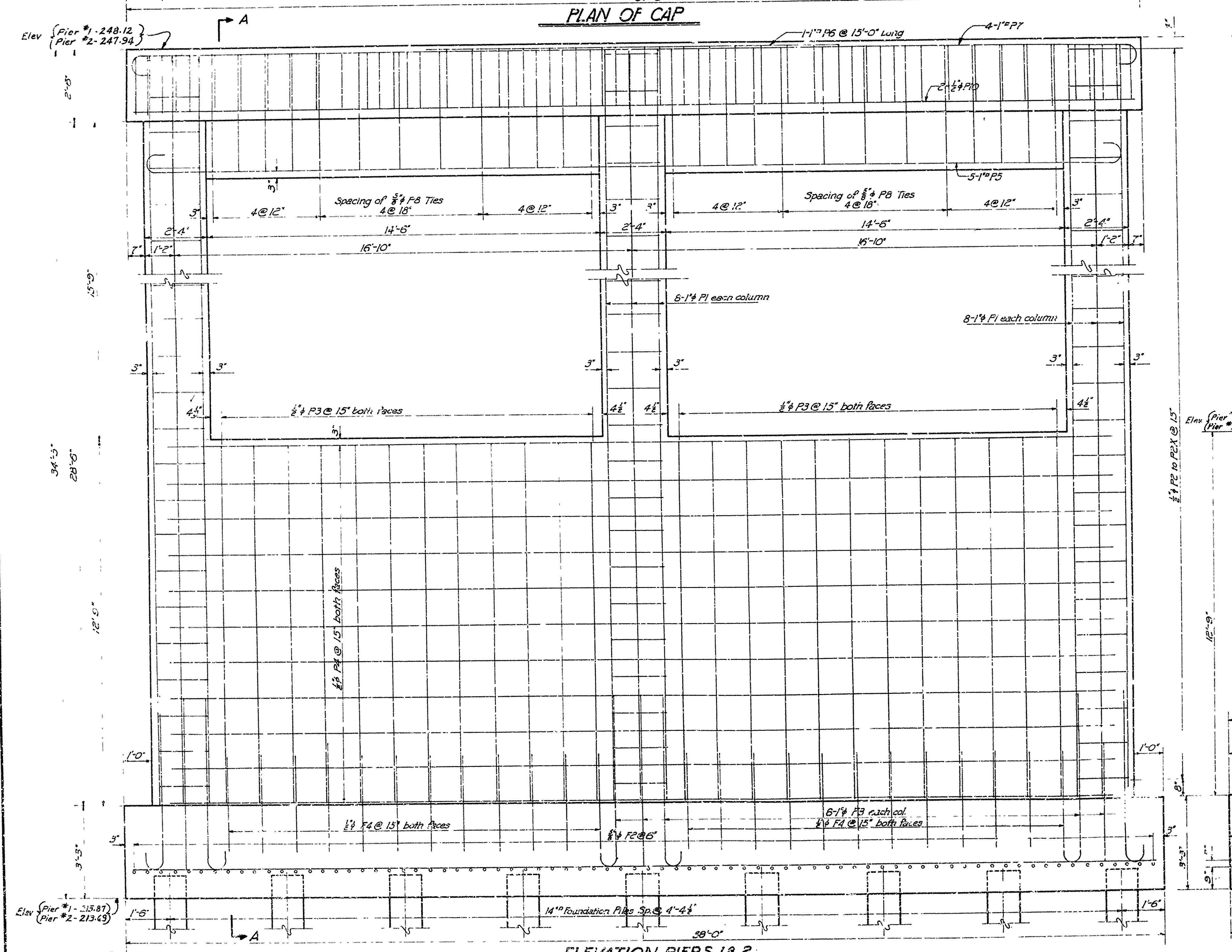
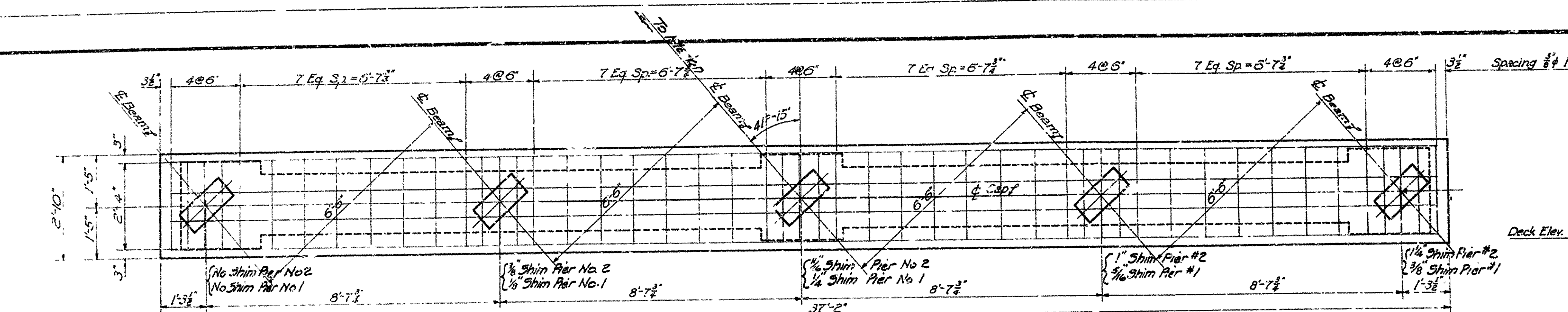


SECTION A-A

DETAILS OF PIERS 1 & 2
MO. PACIFIC R.R. OVERPASS
NEAR MARION, ARKANSAS
CRITTENDEN COUNTY

ROUTE 51 SEC. 1
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: LAME Date: 6-27-50
Checked By: LAME Date: 6-28-50
Bridge No. 2571 DRAWING NO. 7865

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F61-C3-1(6)		8	28
STATE JOB NO. 11517					



DETAILS OF PRECAST CONCRETE PILE

LIST OF BARS

MARK	SIZE	LENGTH	A	B	BENDING DIAGRAM
F1	5/8"	37'-6"	Str.		
F2	5/8"	8'-0"	6'-6"	6'	
F3	1"	7'-0"	6'-0"		
F4	1/2"	3'-4"	Str.		
P1	1"	30'-8"	Str.		
P2 to P2X	5/8"	Ave. 9'-8"	1'-11 1/2"	1'-10 1/2" to 3'-1 1/2"	
P3	5/8"	12'-6"	Str.		
P4	5/8"	34'-3"	Str.		
P5	1"	37'-6"	35'-6"	8'	
P6	1"	15'-0"	Str.		
P7	1"	38'-8"	36'-8"	8'	
P8	5/8"	11'-7"	1'-3 1/2"	4'-1 1/2"	
P9	5/8"	6'-9"	2'-1 1/4"	2'-5 1/2"	
P10	1/2"	36'-8"	Str.		

GENERAL NOTES:-

All concrete in Piers 1 & 2 to be Class "A" except precast concrete piles which are to be Class "S". All exposed corners to have 3" Chamfer unless otherwise noted.
Volume occupied by embedded piles heads is not included in concrete quantity.
Live Load: H20 S16
Unit Stresses: Reinforcing Steel 20,000 #/sq. in. Class "A" Concrete = 840 #/sq. in.
Maximum bearing on 14" Sq. piles = 24 tons per pile. Drive to minimum capacity of 26 tons.
For additional general notes See Drawing No. S153-

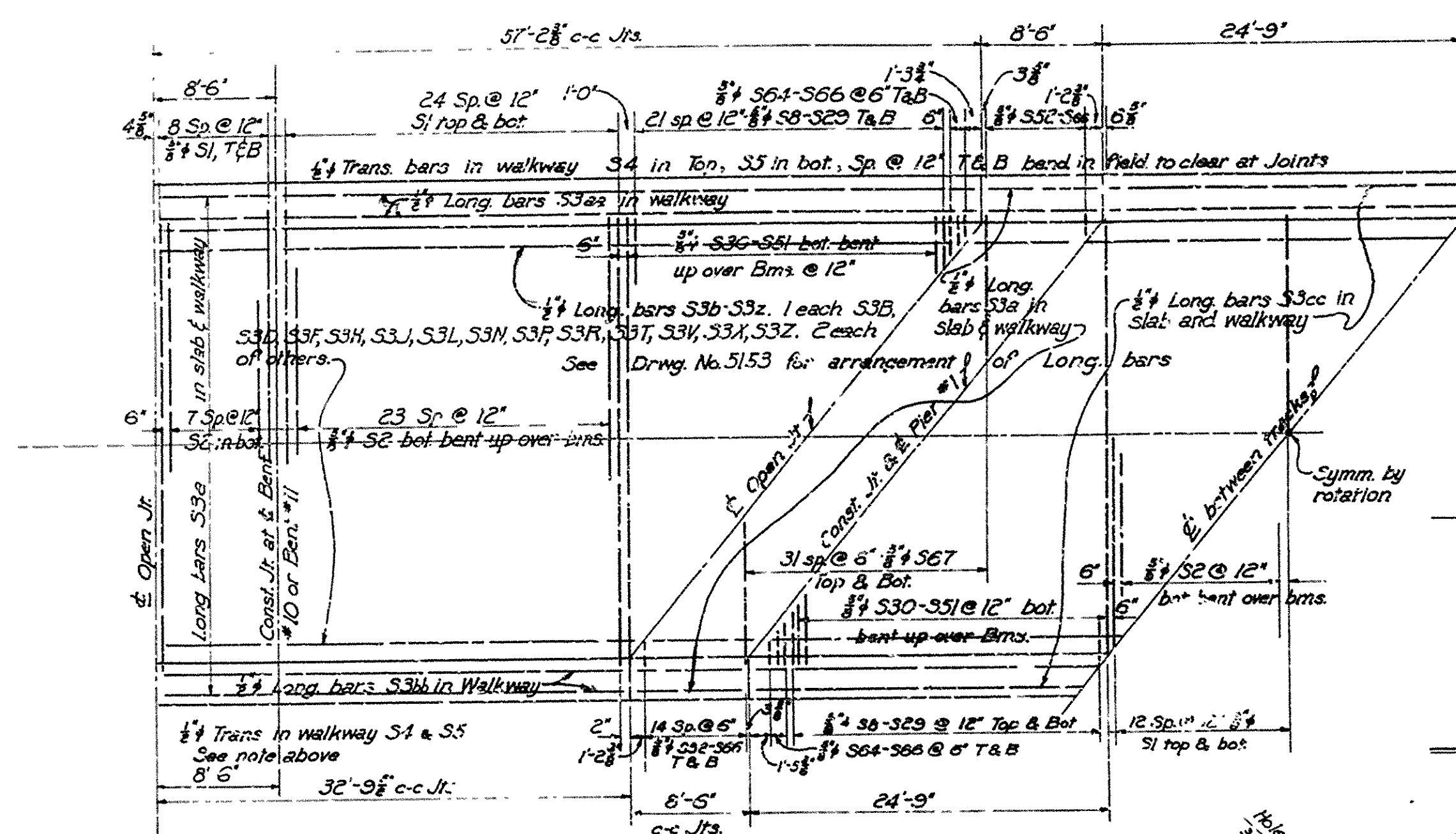
Revised Details of Precast Concrete Piles 7-26-55 WWM

DETAILS OF PIERS 1 & 2
MO. PACIFIC R.R. OVERPASS
NEAR MARION, ARKANSAS
CRITTENDEN COUNTY
ROUTE 51 SEC. 1

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: B.R. Date: 5-20-55
Traced By: D.S. Date: 5-26-55
Checked By: W.E.M. Date: 5-26-55
BRIDGE NO. 2671-A DRAWING NO. 7865-A

SECTION A-A

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	ARK.	FGI 520(3)		12	28
STATE JOB NO. 11397				13	45



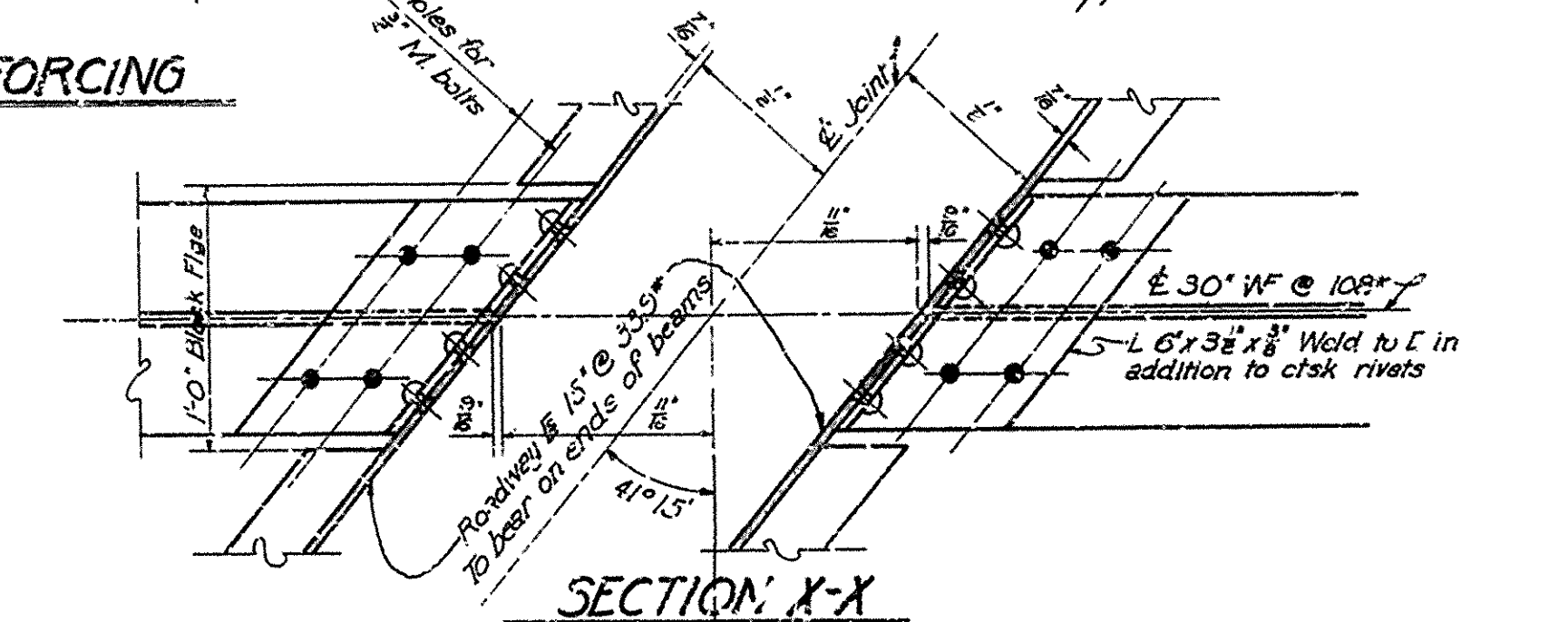
PLACING SKETCH FOR REINFORCING

LOCATION OF SHOE ON PIER

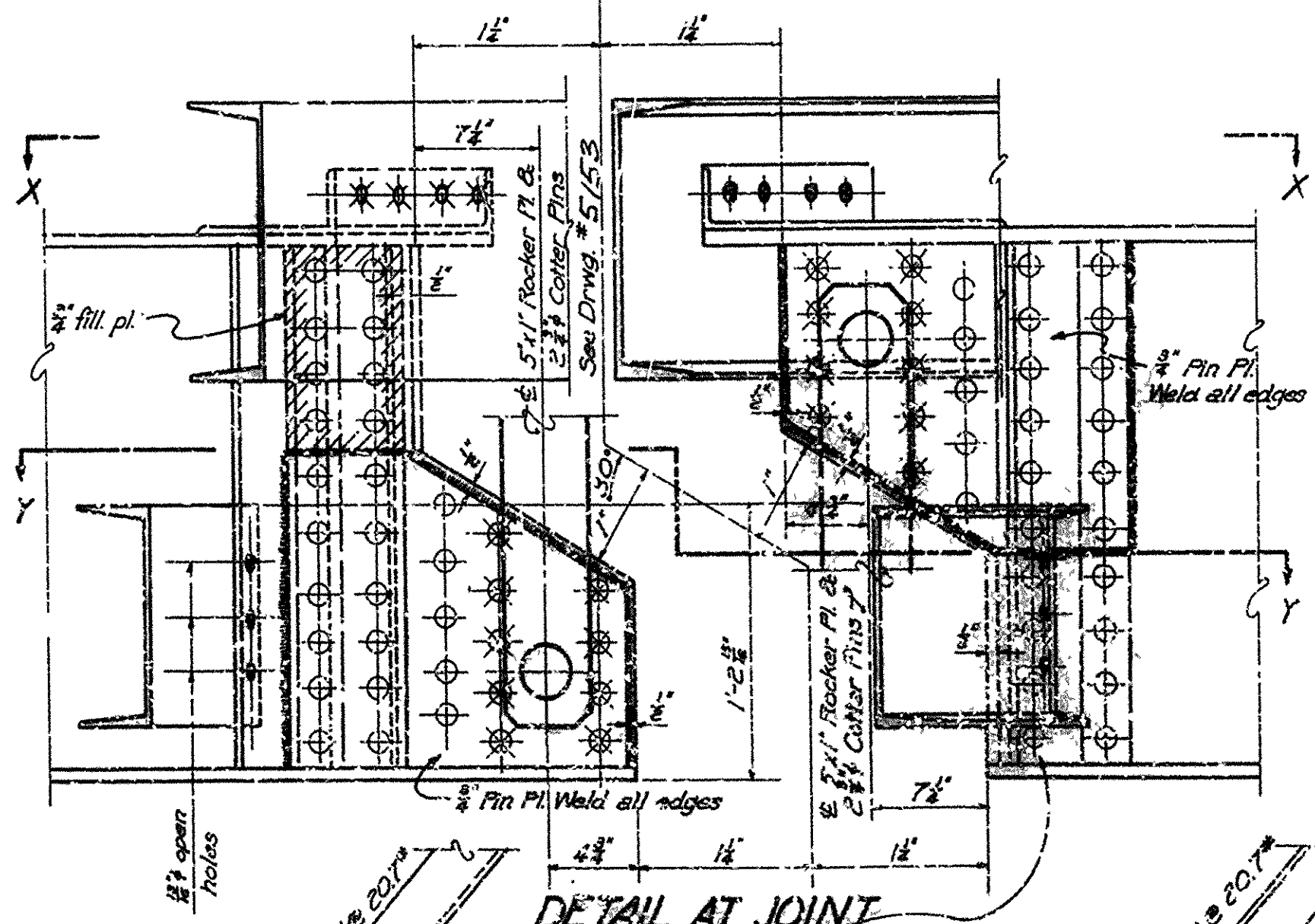
PART PLAN SHOWING CONJ. DIAPH. AT PIERS
(CONN. & STIFFENER PLS. NOT SHOWN)

COMPLETE LIST OF REINFORCING FOR SKEWED SPANS

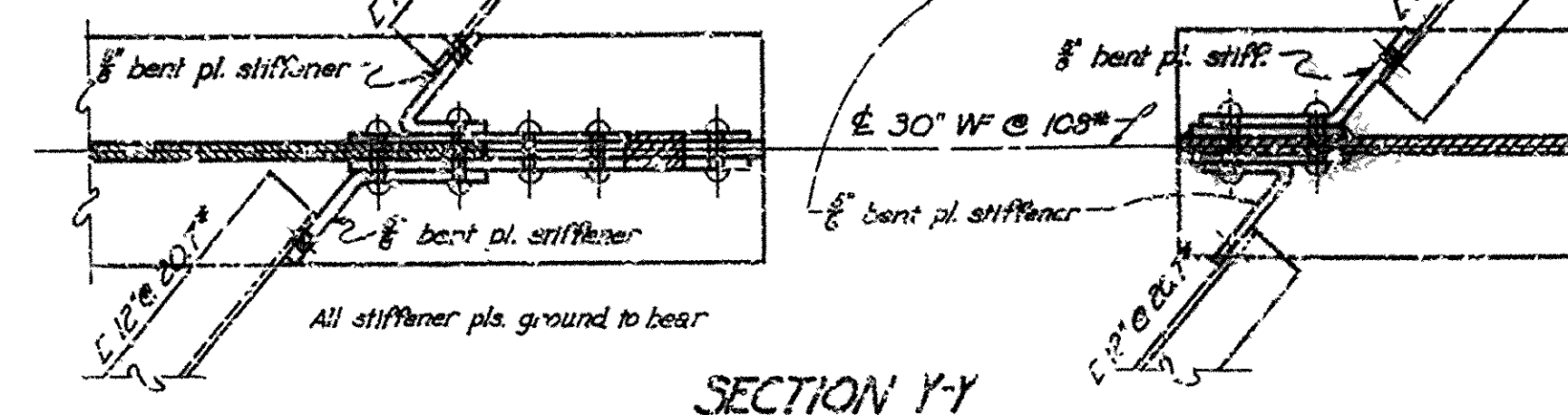
No.	Rebar	MARK	SIZE	LGTH	A	B	DIAGRAM
186	S1	#5	29'-2"				Straight
60	S2	#5	30'-2"				See Drwg. No. 5153
192	S3A	#5	8'-2"				Straight
74	S3B	#5	36'-5"				Straight 1'-8" lap allowed on lengths over 10'
12	S3C	#5	25'-0"				Straight 1'-8" Lap
6	S3D	#5	23'-11"				Straight
86	S3E	#5	25'-4"				Straight 1'-8" Lap
320	S4	#5	5'-7 1/2"				See Drwg. No. 5153
320	S5	#5	4'-2"				See Drwg. No. 5153
32	S6A	#5	8'-5"				Straight
224	S7	#5	2'-9"				See Drwg. No. 5153
176 (8 Ea)	S8	#5	15'-6"				Straight
4	S30	#5	29'-1"	26'-2 1/2"	1'-10 1/2"		
4	S31	#5	27'-1"	26'-2 1/2"	0'-8 1/2"		
4	S32	#5	26'-8"	22'-8 1/2"	3'-0 1/2"		
4	S33	#5	25'-6"	do	1'-10 1/2"		
4	S34	#5	24'-3"	do	0'-9 1/2"		
4	S35	#5	23'-2"	19'-9 1/2"	2'-7 1/2"		
4	S36	#5	22'-0"	do	1'-5 1/2"		
4	S37	#5	20'-9"	16'-2 1/2"	3'-10 1/2"		
4	S38	#5	19'-8"	do	2'-5 1/2"		
4	S39	#5	18'-6"	do	1'-7 1/2"		
4	S40	#5	17'-3"	13'-3 1/2"	3'-5 1/2"		
4	S41	#5	16'-1"	do	2'-3 1/2"		
4	S42	#5	14'-11"	do	1'-3 1/2"		
4	S43	#5	13'-7"	9'-9 1/2"	3'-5 1/2"		
4	S44	#5	12'-5"	do	2'-3 1/2"		
4	S45	#5	11'-4"	do	1'-2 1/2"		
4	S46	#5	10'-1"	6'-10"	3'-0 1/2"		
4	S47	#5	9'-0"	do	1'-11 1/2"		
4	S48	#5	7'-10"	do	0'-9 1/2"		
4	S49	#5	6'-7"	3'-2 1/2"	3'-3 1/2"		
4	S50	#5	5'-5"	do	2'-1 1/2"		
4	S51	#5	4'-4"	do	1'-0 1/2"		
36 (8 Ea)	S52	#5	6'-7"				Straight
48 (16 Ea)	S53	#5	6'-4"				Straight
120	S54	#5	5'-0"				Straight
32	S55	#5	6'-4"				Straight
132	RPI	#5	3'-11"				RPI
192	RPI	#5	2'-7"				RPI



SECTION X-X

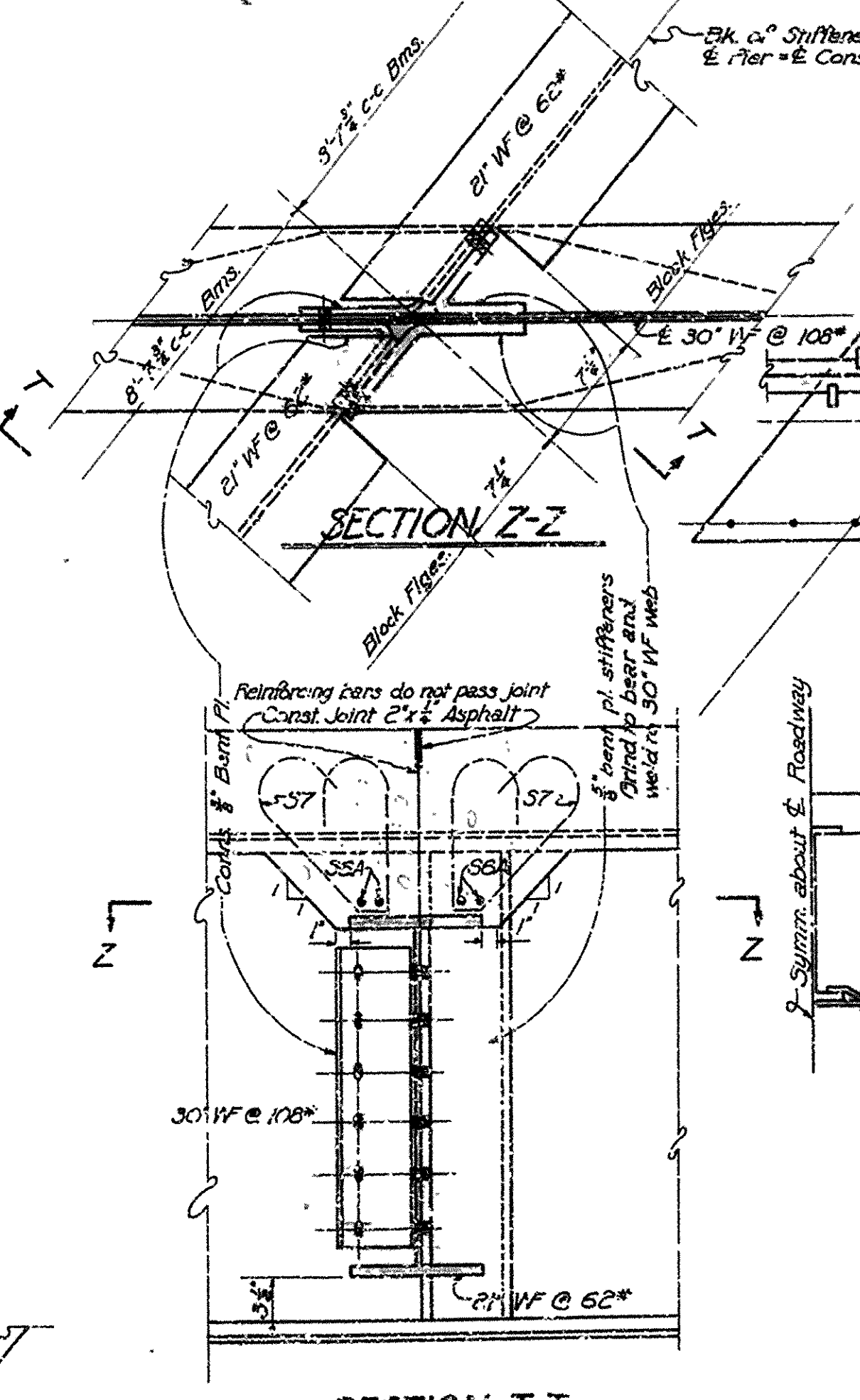


DETAIL AT JOINT



SECTION Y-Y

DETAILS OF EXPANSION JOINT



SECTION Z-Z

SECTION T-T

DETAILS OF CONST. JOINT
STRUT OVER PIERS

DETAIL OF BLAST PLATE

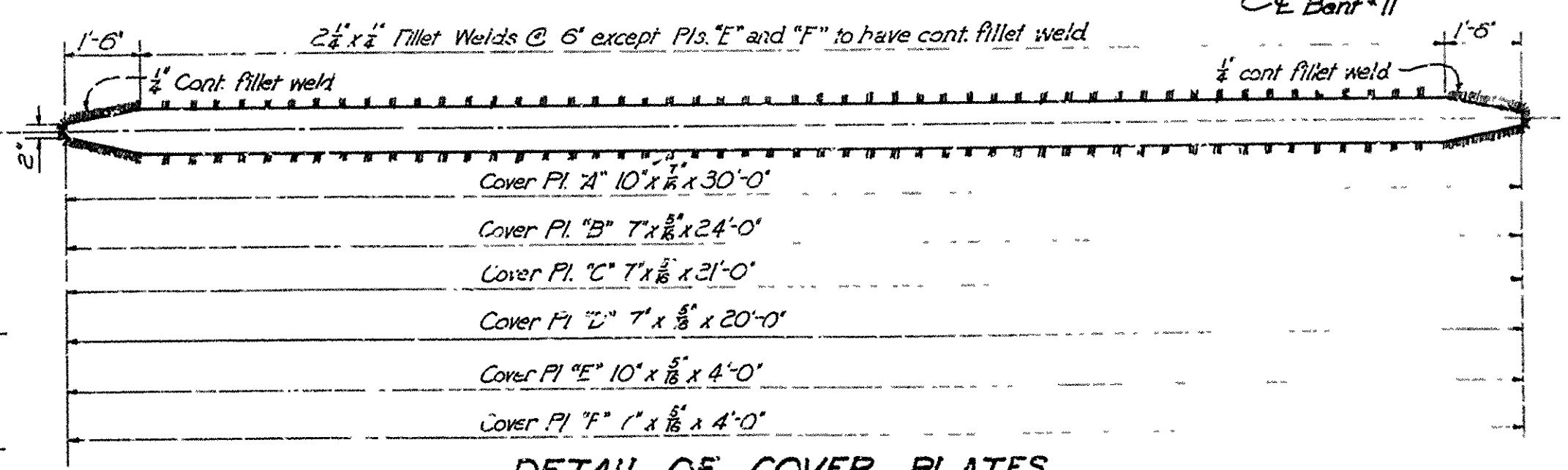
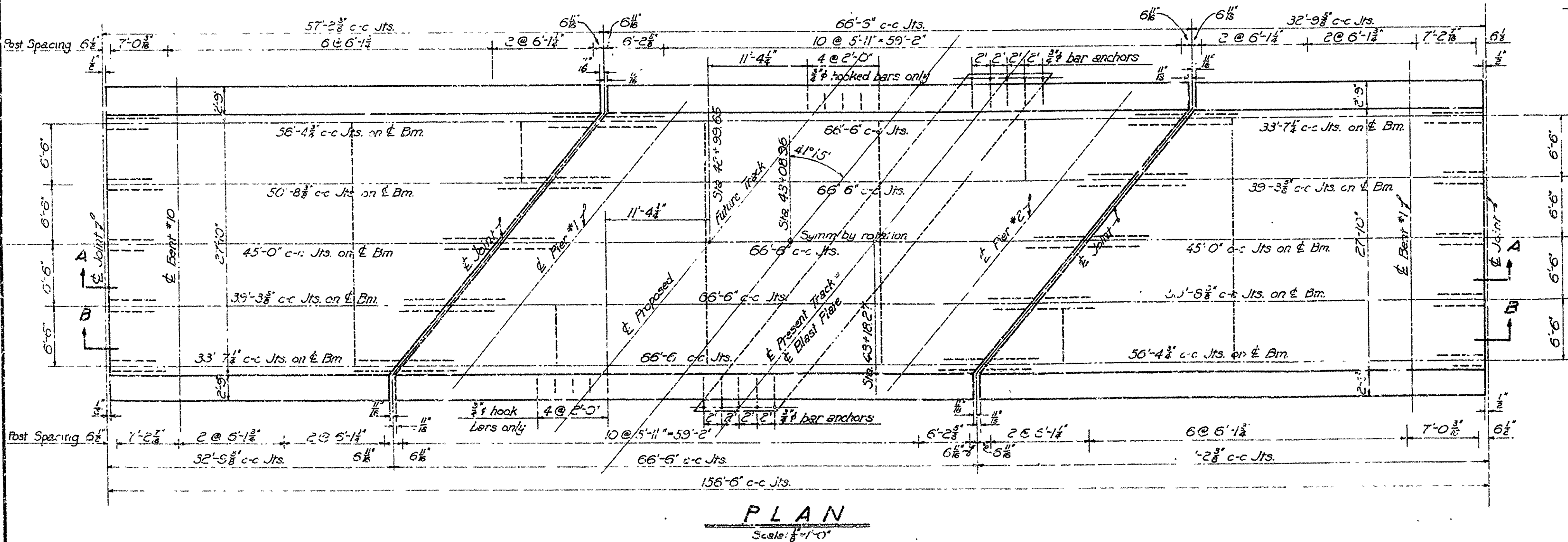
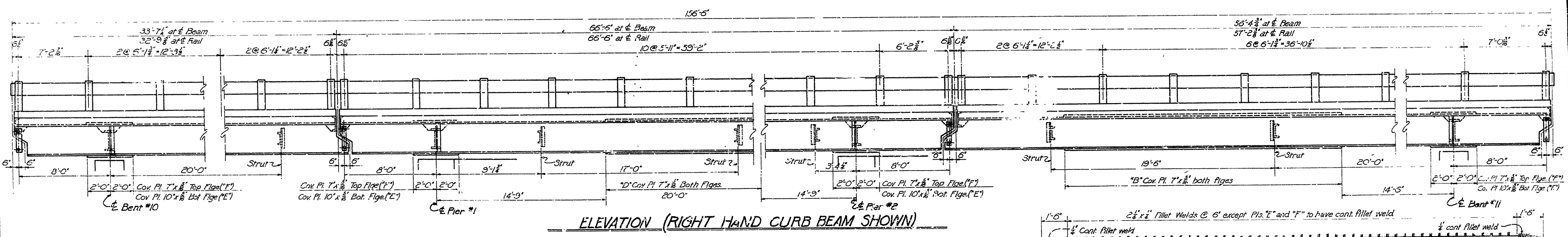
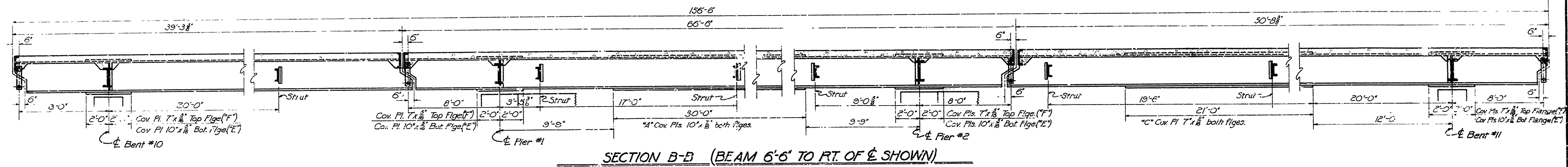
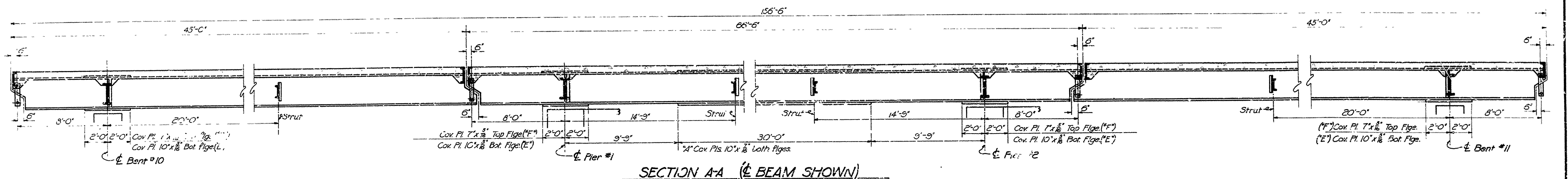
SECTION SHOWING BLAST PLATE

For Details not shown here See Drwgs. 5153 & 7867.
For General Notes See Drwg. 5153.

DETAILS OF SKEWED & TRANSITION SPANS
MISSOURI PACIFIC R.R. OVERPASS
NEAR MARION, ARKANSAS
CRITTENDEN COUNTY
ROUTE 61 SEC. 1

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: E.A.W. Date: 3-1-50
Traced By: F.M. Date: 3-13-50
Checked By: W.B.H. Date: 3-13-50
BRIDGE NO. 2671 DRAWING NO. 7866

FED. ROAD DIST. I.D.	STATE	Fed. Aid PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	FG1 520(3)		13	28
STATE JOB NO. 11397				14	45



DETAILS OF SKEWED & TRANSITION SPANS
MISSOURI PACIFIC R.R. OVERPASS
NEAR MARION, ARKANSAS
CRITTENDEN COUNTY
ROUTE 61 SEC. 1

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: E.W. Date: 3-2-50
Traced By: R.L. Date: 3-6-50
Checked By: W.B.H. Date: 3-19-50
BRIDGE NO. 2671 DRAWING NO. 7867

SUMMARY OF BRIDGE QUANTITIES - JOB 11517 - (Code No. X131)

ITEM NO.	ITEM	UNIT	BRIDGE NO. 2671-A						TOTAL
			BENTS NO. 1 & 22	BENTS NO. 2-4 & 19-21	BENTS NO. 5-12 & 13-18	PIERS NO. 1 & 2	SPANS NO. 1-11 & 15-23	SPA 1	
103	Dry Excavation For Structures	Cu. Yd.	118			213			331
103	Wet Excavation For Structures	Cu. Yd.				30			30
S.P. # 802	Class "A" Concrete For Bridges	Cu. Yd.				221.74			221.74
S.P. # 802	Class "S" Concrete For Bridges	Cu. Yd.	27.54	162.16	442.69		621.75	123.14	1377.28
S.P. # 803	Reinforcing Steel	Lb.	3306	29,872	55,966	13,491	96,644	13,613	217,994
S.P. # 804	Concrete Piling (14" Square)	Lin. Ft.				15.89			15.89
S.P. # 804	Concrete Piling (18" Octagonal)	Lin. Ft.	930	2104	4231				7315
804	Concrete Pile Cut-Off	Lin. Ft.		13.9	311				444
S.P. 805-3	Steel Plate Guard Rail (10 ga.)	Lin. Ft.	12.0				1624.50	279.0	1977.50
S.P. # 807	Structural Steel in Beam Spans	Lb.	1550			153	5771,166	127,592	700,463
92.9	Bridge Name Plates (Type "A")	Each	*1						1

* Plate Name Plate on right hand turn-out of R.R. # 11.

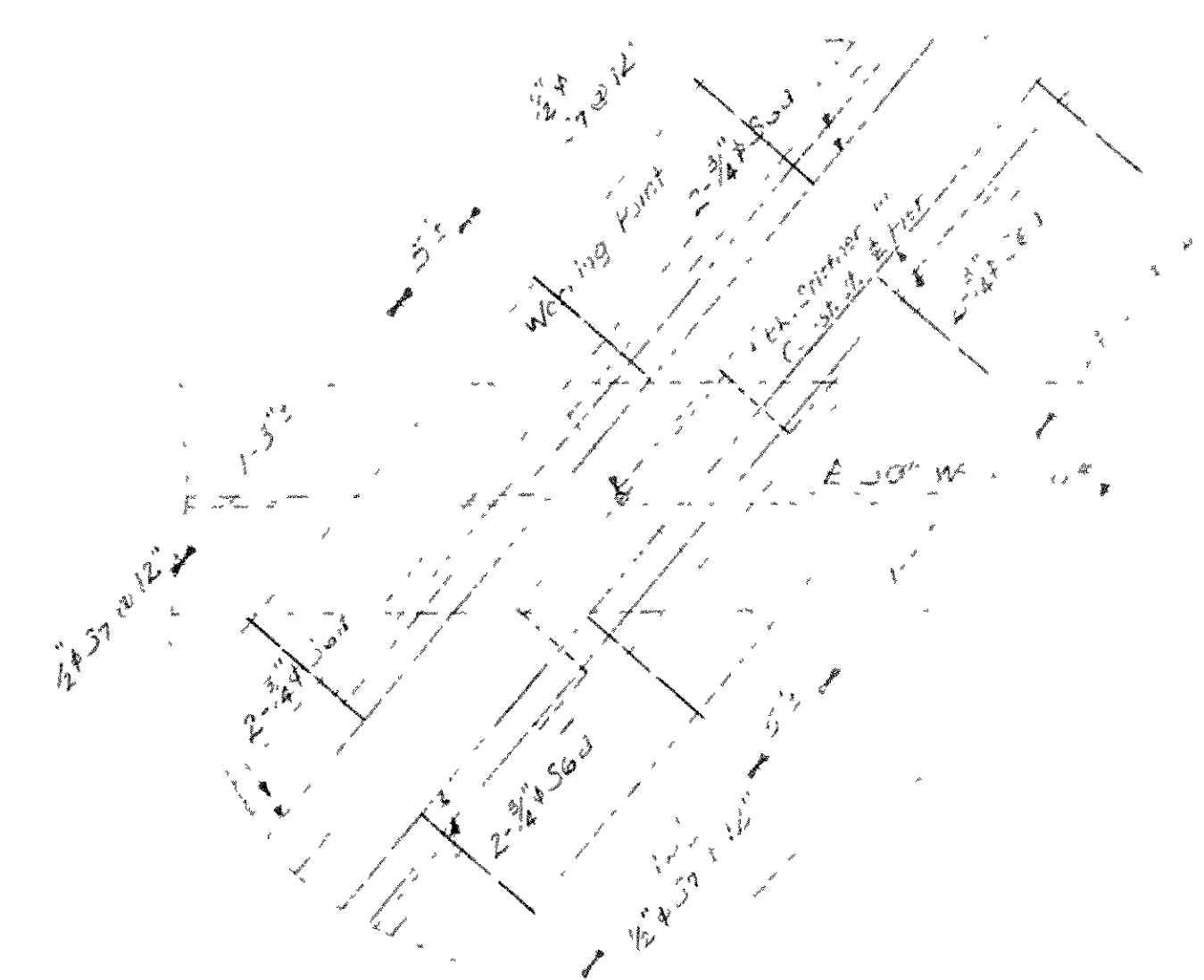
SUMMARY OF BRIDGE QUANTITIES
MO. PAC. R.R. OVERPASS

CRITTENDEN COUNTY
ROUTE 61 SEC. 1

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Drawn By E. C. Date 5-14-55
Traced By Date
Checked By M. E. W. Date 5-26-55
BRIDGE NO. 2671-A DRAWING NO. 8854

L. B. Carlson
Reluctant Engineer



PART PLAN SHOWING CONC. DIAPH. AT PIERS
(CONN. & STIFFENER PLS. NOT SHOWN)

Scale: $\frac{1}{8}"=1'-0"$

SECTION X-X

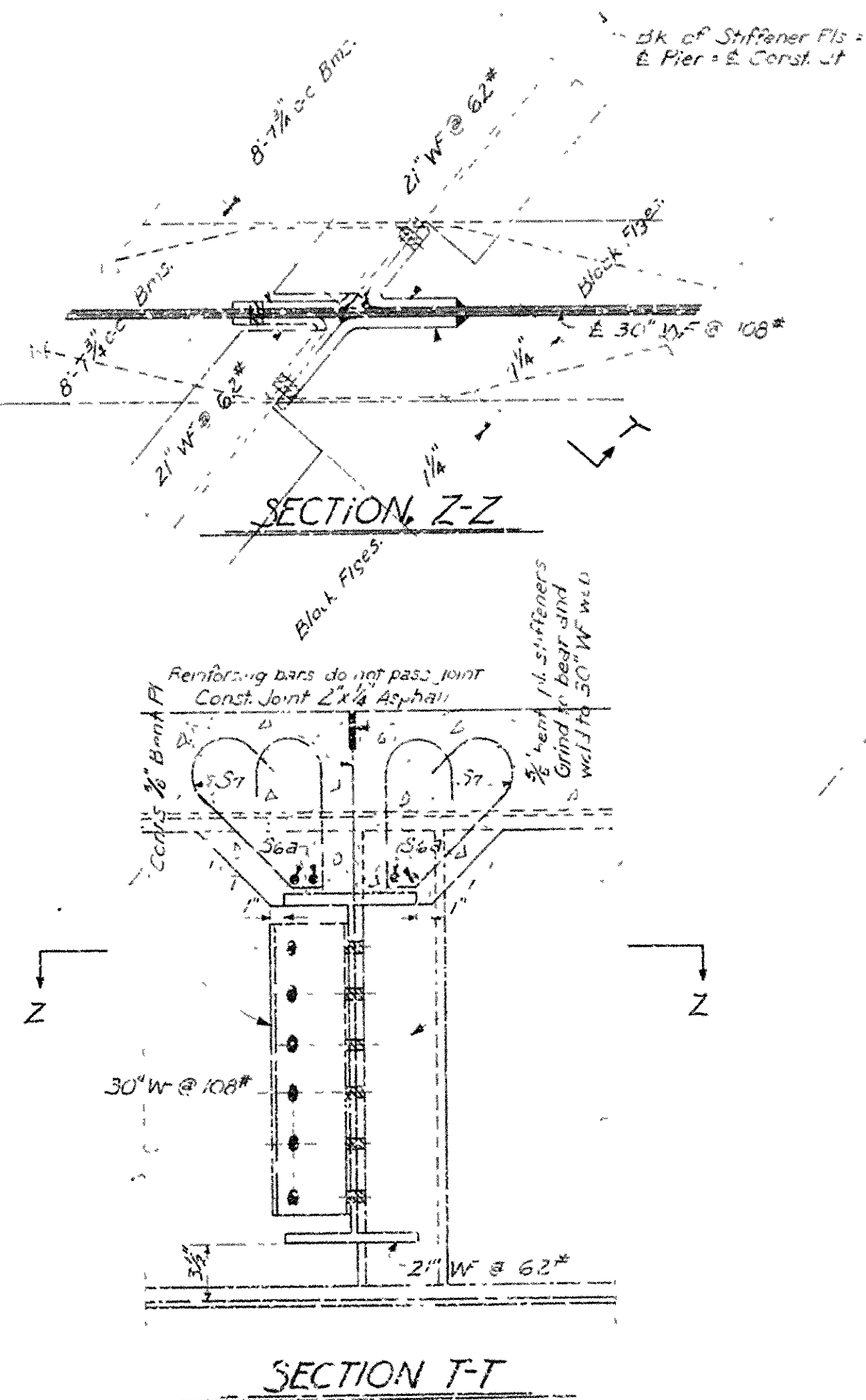
Scale: $\frac{1}{8}"=1'-0"$

DETAIL AT JOINT

SECTION Y-Y

Scale: $\frac{1}{8}"=1'-0"$

Details show inside beams, outside beams similar.



Scale: $1\frac{1}{2}"=1'-0"$
See Inv. No. 5153-A for details of shoe

DETAILS OF
SKEWED & TRANSITION SPANS
MO. PAC. R.R. OVERPASS

CRITTENDEN COUNTY
ROUTE 61 SEC. 1
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Drawn By B.R. Date 5-14-55
Traced By Date
Checked By W.E.W. Date 5-18-55
BRIDGE NO. 8871-A DRAWING NO. 886!

ITEM NO.	UNIT	COMMON EXCAVATION FOR STRUCTURE - BRIDGE	SP. 802	SP. 802	GLASS "S" (AF) CONCRETE	GLASS "S" (AF) CONCRETE	SP. 802	BOILED LAMINATED GIL	REINFORCING STEEL (A615 - 40)	REINFORCING STEEL (A615 - 40)	SP. 815*	METAL BRIDGE RAILING (TYPE A)	SP. 806	STRUCTURAL STEEL IN BEAM SPANS (A36)	SP. 807**	809	BRIDGE NAME PLATES (TYPE C)	SP. 810*	REMODELING EXISTING BRIDGES	SP. 100 11825	DECK REPAIR	SP. 100 11825	JOINT REPAIR	SP. 100 11825	PAINTING EXISTING STRUCTURAL STEEL
1	END BEAM 1 E 20	21	14.40	14.40	0.2	0.2	10.20	10.20	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
2	SPANS 1 E 21	21	14.50	14.50	0.2	0.2	10.20	10.20	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
3	TOTAL FOR BRIDGE NO. 20741	21	14.40	14.40	0.2	0.2	10.20	10.20	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
4	END BEAM 1 E 22	21	14.50	14.50	0.2	0.2	10.20	10.20	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
5	SPANS 1 E 21	21	14.50	14.50	0.2	0.2	10.20	10.20	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
6	TOTAL FOR BRIDGE NO. 20741	21	14.40	14.40	0.2	0.2	10.20	10.20	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
7	END BEAM 1 E 23	21	14.50	14.50	0.2	0.2	10.20	10.20	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
8	SPANS 1 E 21	21	14.50	14.50	0.2	0.2	10.20	10.20	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
9	TOTAL FOR BRIDGE NO. 20741	21	14.40	14.40	0.2	0.2	10.20	10.20	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
10	END BEAM 1 E 24	21	14.50	14.50	0.2	0.2	10.20	10.20	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
11	SPANS 1 E 21	21	14.50	14.50	0.2	0.2	10.20	10.20	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
12	TOTAL FOR BRIDGE NO. 20741	21	14.40	14.40	0.2	0.2	10.20	10.20	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
13	END BEAM 1 E 25	21	14.50	14.50	0.2	0.2	10.20	10.20	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
14	SPANS 1 E 21	21	14.50	14.50	0.2	0.2	10.20	10																	

SCHEDULE OF BRIDGE QUANTITIES
WEST MEMPHIS-CLARKDALE RECONSTRUCTION
CRITTENDEN COUNTY

ROUTE 55 SEC. 11

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: TLB DATE: 6/20/74 APPROVED: _____

TRACED BY: _____ DATE: _____
CHECKED BY: *DV* DATE: *6-20-74*

SCALE: *NDNL*

CHECKED BY: WV DATE: 10/1/81
267IR, 267IAR

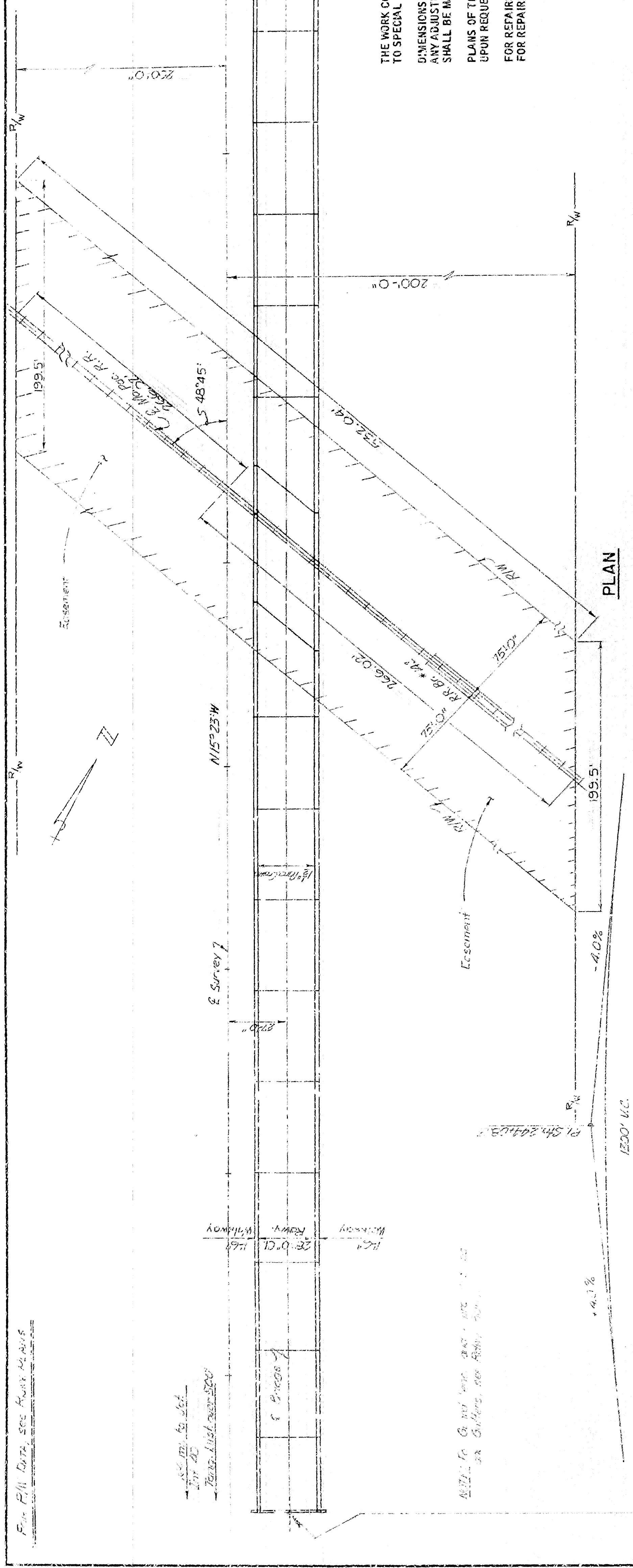
BRIDGE NO. 3131AR, 3131BR
2308R, 2808AR

[illegible]

Journal of Management Inquiry 20(6) 789–804
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DATE RECEIVED	DATE FILED	DATE RETURNED	DATE MAILED	POST BOX NO.	STREET NO.	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.	1327	49	126

① 2671A - LAVOUT - 13744

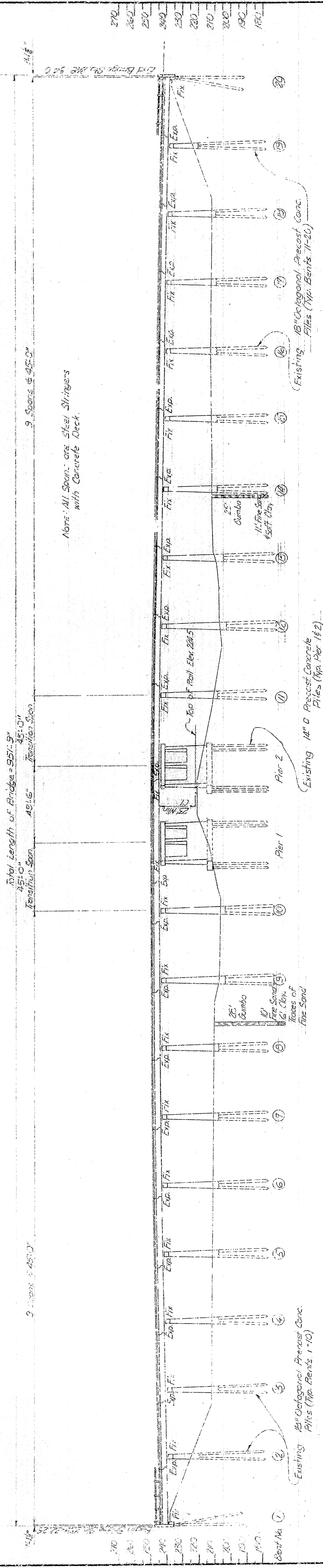


GENERAL NOTES

THE WORK CONTINGATED CONSISTS OF REPAIRING THE EXISTING STRUCTURE. REFER TO SPECIAL PROVISION JOB NO. 11829.

PLANS OF THE EXISTING STRUCTURE WILL BE MADE AVAILABLE TO THE CONTRACTOR UPON REQUEST. (HALF SIZE FROM MICROFILM SECTION).

FOR REPAIRS TO END BENTS, SEE DWG. NO. 18746.
FOR REPAIRS TO SPANS AND INTERMEDIATE BENTS, SEE DWG. NO. 18747.

ELEVATION

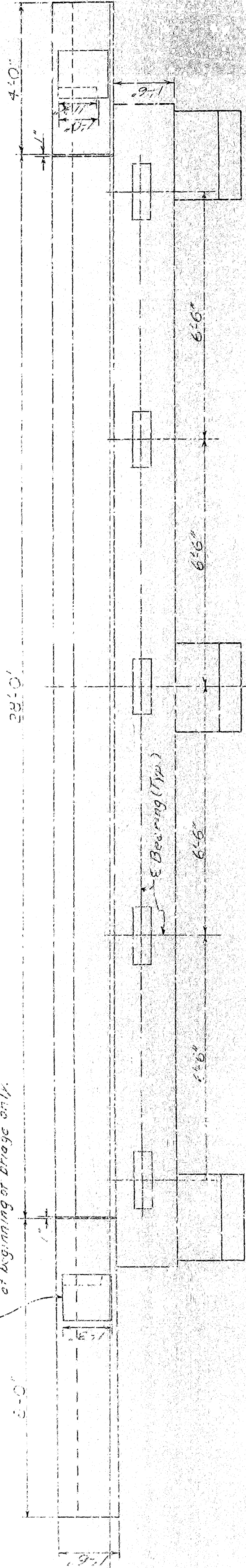
LAYOUT OF
MO. PAC. RAILROAD OVERPASS
W. MEMPHIS - CLARKEDALE RECONST.
CRITTENDEN COUNTY

ROUTE 155 SEC. 11
ARKANSAS STATE HIGHWAY COMMISSION

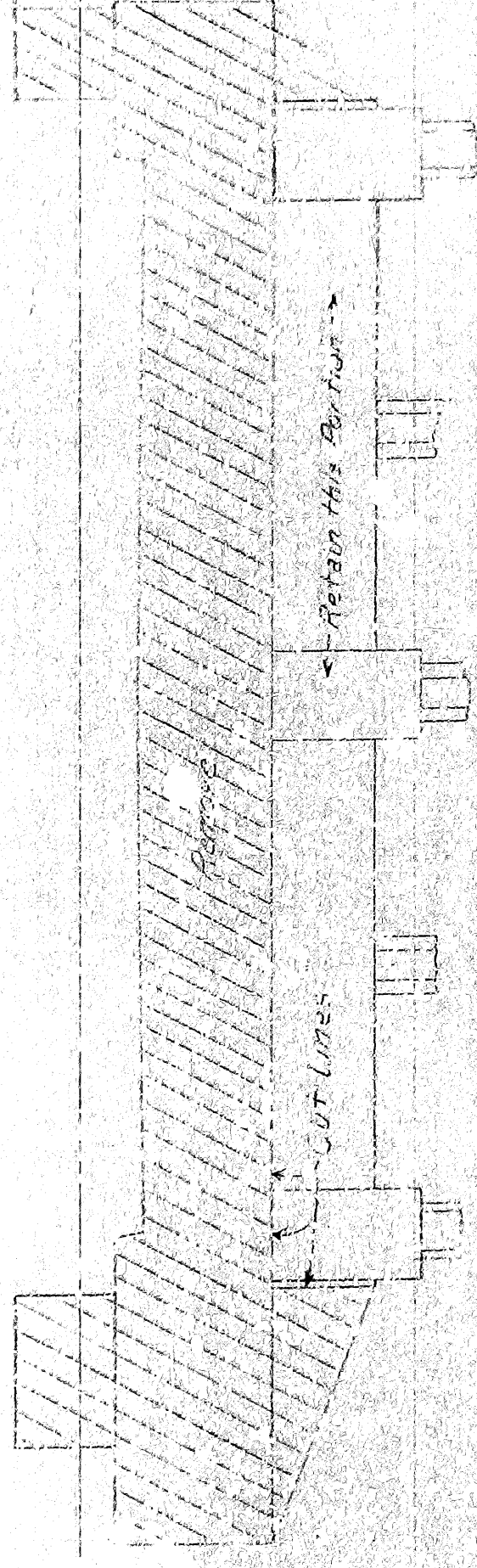
LITTLE ROCK, ARK.

DRAWN BY: G DATE: 28 Sept. 73 SCALE: 1" = 300.0'
 CHECKED BY: DV DATE: 5-13-74

DRAWING NO. 18744
 BRIDGE NO. 2671R
 CHECKED BY: DV DATE: 5-13-76 SCALE: 1" = 30'-0"
 DESIGNED BY: DV DATE: 5-13-76



Views shown are for Bent 1 of Bridge 2611R and Bent 2 E of Bridge 2611AR. The remaining two bents are similar except that the longer wingwall is on the opposite side of the bent.



SKEETCH Showing concrete to be poured
Today. All reinforcing has protruding from the top
shall be cut, all 2" spread and incorporated into the
new work.

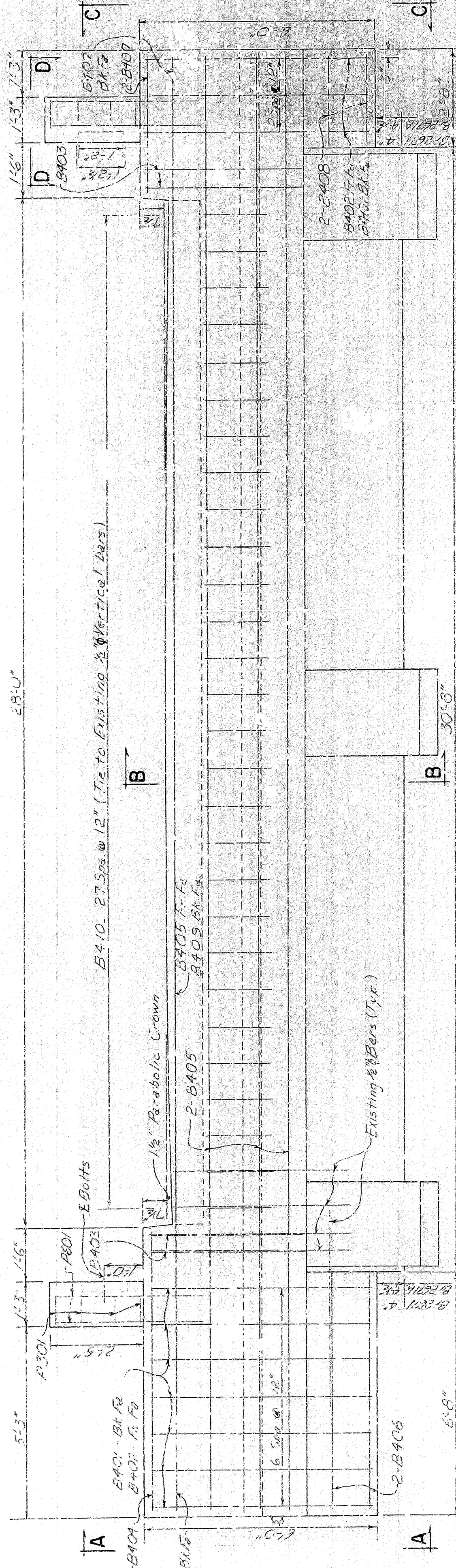
MARK	A3 REQD	LENGTH	PIN DIA
F3-1	8	3'-11"	1 1/8"
B401	10	5'-10"	2"
B402	10	5'-7"	5/8"
H403	4	3'-10"	2"
B404	3	7'-8"	5/8"
B405	7	3'-6 7/8"	5/8"
B406	4	6'-5"	5/8"
B407	3	3'-2"	5/8"
B408	4	8'-3"	5/8"
B409	1	9'-10"	5/8"
B410	28	3'-11"	2"
F401	12	4'-9"	5/8"

ALL CONCRETE TO BE CLASS SAND SHALL BE POURED IN THE DRY. ALL EXPOSED CORNERS TO BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.

REINFORCING STEEL TO BE DEFORMED BARS OF ASTM A615, GRADE 40 STEEL. SHOP LISTS AND BENDING DIAGRAM MUST BE SUBMITTED AND APPROVAL SECURED BEFORE FABRICATION IS BEGUN.

PAYMENT: FOR BASIS OF PAYMENT. SEE SP JOB NO. 11829

ALL STRUCTURAL STEEL SHALL BE ASTM A36. ANCHOR BOLTS SHALL BE GALVANIZED TO CONFORM TO ASTM SPECIFICATION A153.



DETAIL A

VIEW D-D

Three 1/2" Anchor bolts and shoes are to be removed at every tenth of frame. Determine by inspection if new bolts shall be determined in the field. For stretch of anchor bolt replace. (see spec. Div. No. 0247 Masonry notes shall be placed on to bearing post)

Note: Backwall & upper part of wingwalls shall be constructed at the inclination required to proper placement of the preformed joint sealer. End posts shall be constructed as follows:

DETAILS OF END BENT MODIFICATIONS
MO. PAC R. OVERPASSES
W. MEMPHIS-CLARKDALE RECONST.
CRITTENDEN COUNTY

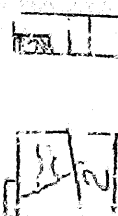




ROUTE I-55 SEC. 11
ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: CSL DATE: 2-1-74
CHECKED BY: DN DATE: 4-23-74
SCALE: 1/2" = 1'-0" SEE NOTES

David D. Foster
BRIDGE ENGINEER

BRIDGE NO. 2671R
DRAWING NO. 18746

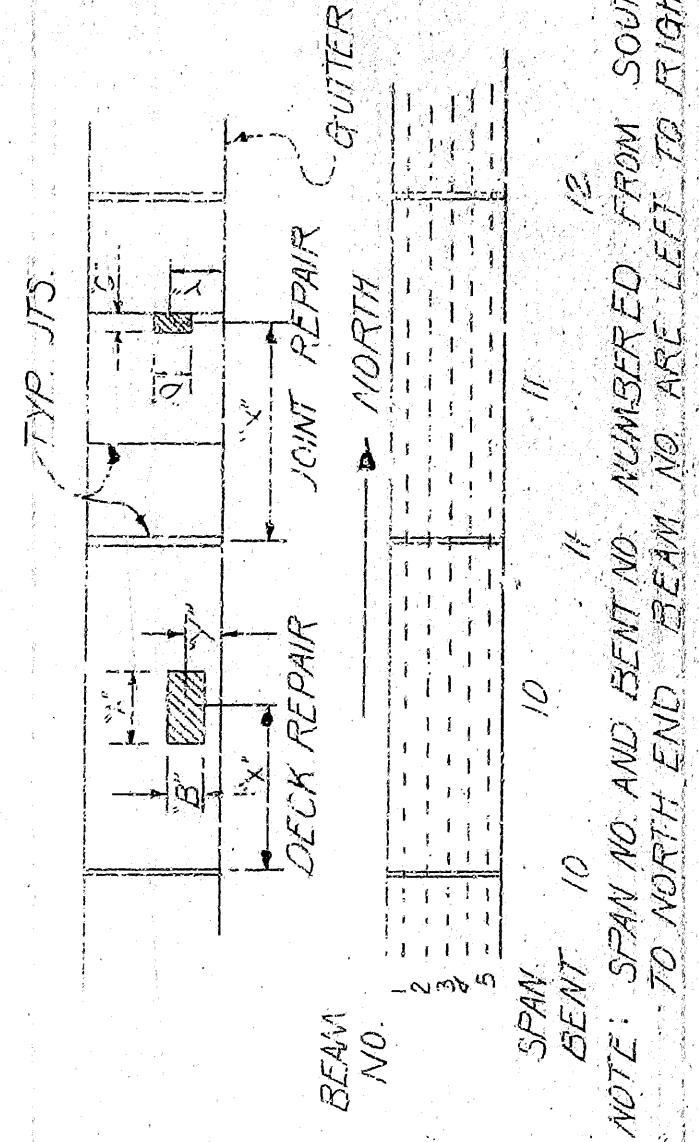
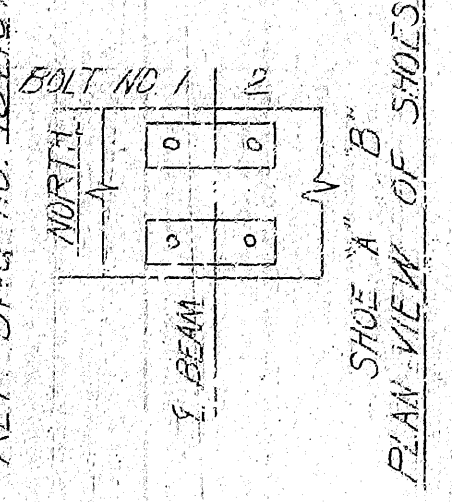
TABLE OF REPAIRS			
BRIDGE NO. 2131	SOUTH BOUND HWY 64 OVERPASS		
SPAN NO.	BENT NO.	TYPE OF REPAIR	APPROXIMATE COST
2	3	AT BEAM NO. 1, SHOE B. BOLT 1 REPAIR CAP END	10.3
			
		VIEW LOOKING SOUTH	
5-6	4	AT BEAM NO. 1, BOLTS ARE O.K., REPAIR CAP END	50.3
			
		VIEW LOOKING NORTH	
6-7	7	AT BEAM NO. 1, SHOE B. BOLT 1 VIBRO-CURE TO CHAIN TOP OF CAP AROUND BOLTS	
			
BRIDGE NO. 2131 SOUTH BOUND HWY 64 OVERPASS			
4-5	5	AT BEAM NO. 1, SHOE B. REPAIR CAP END, BOLTS ARE O.K.	50.2
			
5-6	6	AT BEAM NO. 1, SHOE A. REPAIR CAP END, AT BEAM NOS. 2, 3, 4, 5 SHOE B. CUT OUT AND PLUMED UNDER EXPANSION SHOES	50.2 10.3
			
6-7	7	AT BEAM NOS. 1, 2, 3, 4, 5 SHOE B. CUT OUT AND PLUMED UNDER EXPANSION SHOES, BEAM NO. 4 REPLACE BOLTS	50.3 10.2

FOR BASIS OF PAYMENT, SEE SP JOE NO. 11829

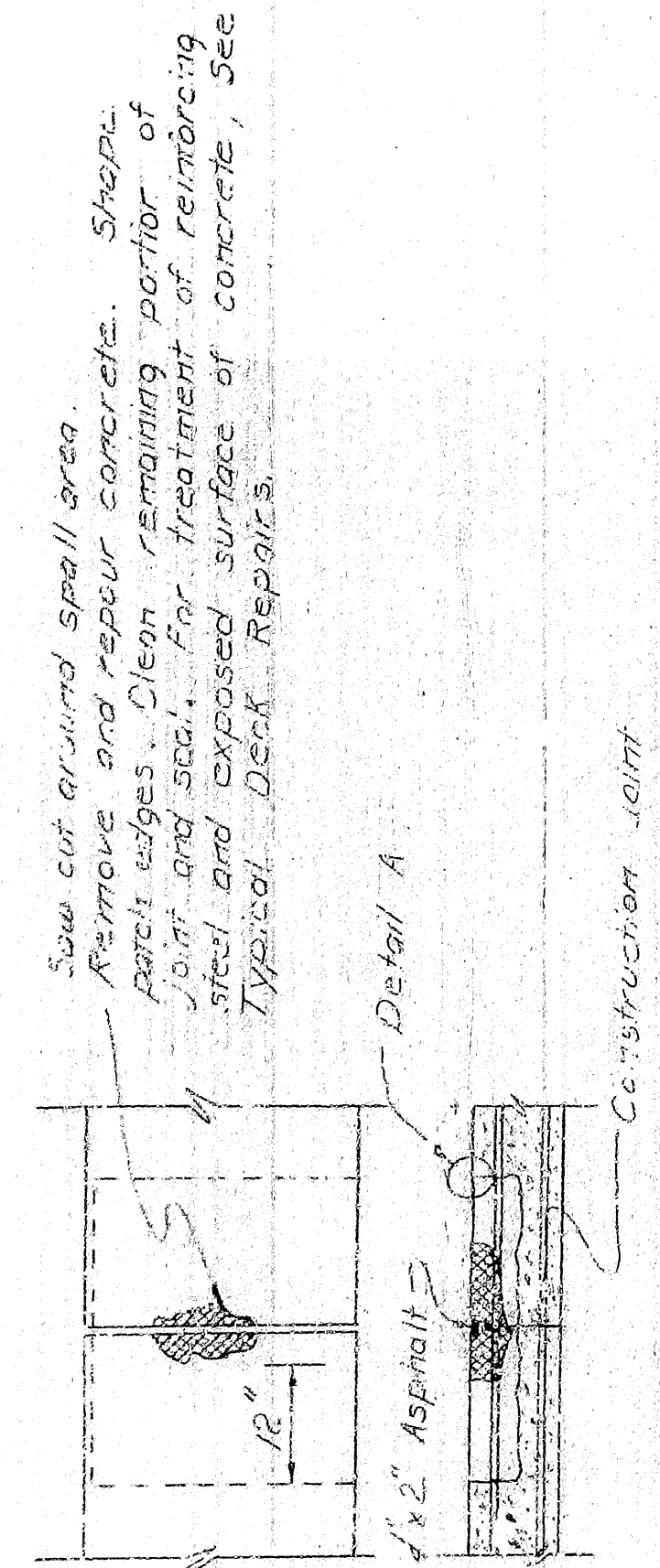
TYPICAL REPAIRS AROUND EXPANSION JOINTS

[illegible]

CLEAN AND RESEAL ALL DECK CONSTRUCTION JOINTS (TOTAL=22)
REF DRAWING NO: 18746 FOR FND RCMT REPAIRS



TYPICAL CONSTRUCTION JOINT REPAIR



TYPICAL REPAIR DETAILS
MO. PAC. RR. & HWY. 64 OVERPASS
WEST MEMPHIS - CLARKEDALE RECONSTRUCTION
CRITTENDEN COUNTY

ROUTE 55 SEC. 11
ARKANSAS STATE HIGHWAY COMMISSION

NOTE: SPAN NO. AND BENT NO. NUMBERED FROM SOUTH END OF BRIDGE TO NORTH END. BEAM NO. ARE LEFT TO RIGHT LOOKING NORTH.


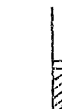
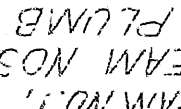
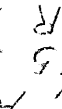
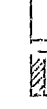

DESIGNED BY: JCL/K DATE: JAN 19
BRIDGE NO. 2671R 2671AR DRAWING NO. 18747
3131AR 3131BR

[illegible]

① 18747-TYP. REPAIR DETAILS

SPAN, BEAM NO.	TYPE OF REPAIR	REF. ELEM. NO.
BRIDGE NO. 511A (SOUTH BOUND HWY 64 OVERPASS)	TABLE OF REPAIRS	

10	NO	2	AT BEAM NO. 1, SHOT 'B' BOLT 1 REPAIR CAP END		VIEW LOOKING SOUTH	5-6	6	AT BEAM NO. 1, BOLTS ARE O.K., REPAIR CAP END		1	1	5-7	1	AT BEAM NO. 1, SHOE B. FORM 3, 16 BOLTS TO DRAIN TOP OF CAP AROUND BOLTS	BRIDGE NO. 313 BR (WORTH BOUND HWY 34 OVERPASS)
----	----	---	---	--	--------------------	-----	---	---	--	---	---	-----	---	--	---

4-5	5	AT BEAM NO. 5, SHOE B, REPAIR CAP END. BOLTS ARE O.K.			1		
5-6	6	AT BEAM NO. 1, SHOE A, REPAIR CAP END. AT BEAM NOS 1,2,3,4,5 SHOE B, CUT OUT AND PLUMB UNDER EXPANSION SHOES			1		
6-7	"	AT BEAM NOS 1,2,3,4,5 SHOE B, CUT OUT AND PLUMB UNDER EXPANSION SHOES BEAM NO. 4 REPLACE BOLTS					

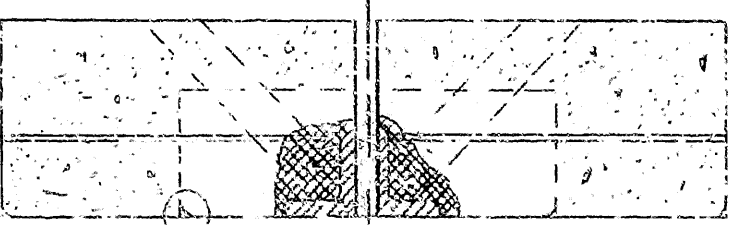
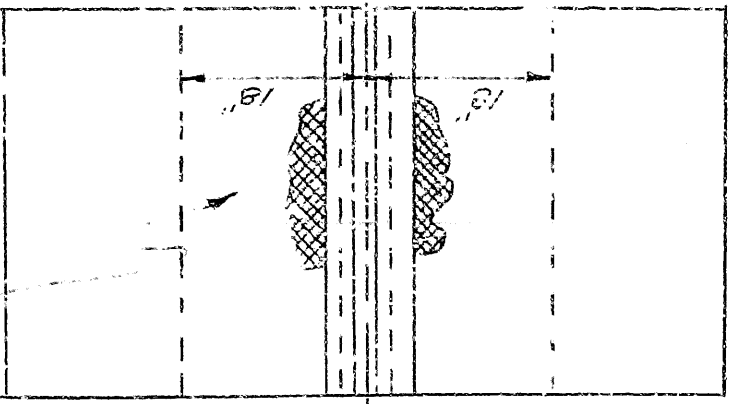
[illegible][illegible]

REF. DWG. NO. 18244 FOR END BENT REPAIRS
TOTAL = 20)
CLEAN AND RESAL ALL DECK CONSTRUCTION JOINTS
LAST 1'-0" FULL DEPTH APPROX 0.3 CU YDS CONC.
BENT 3 (SPAN 2-3) AT BEAM 1 REPAIR END OF CAP

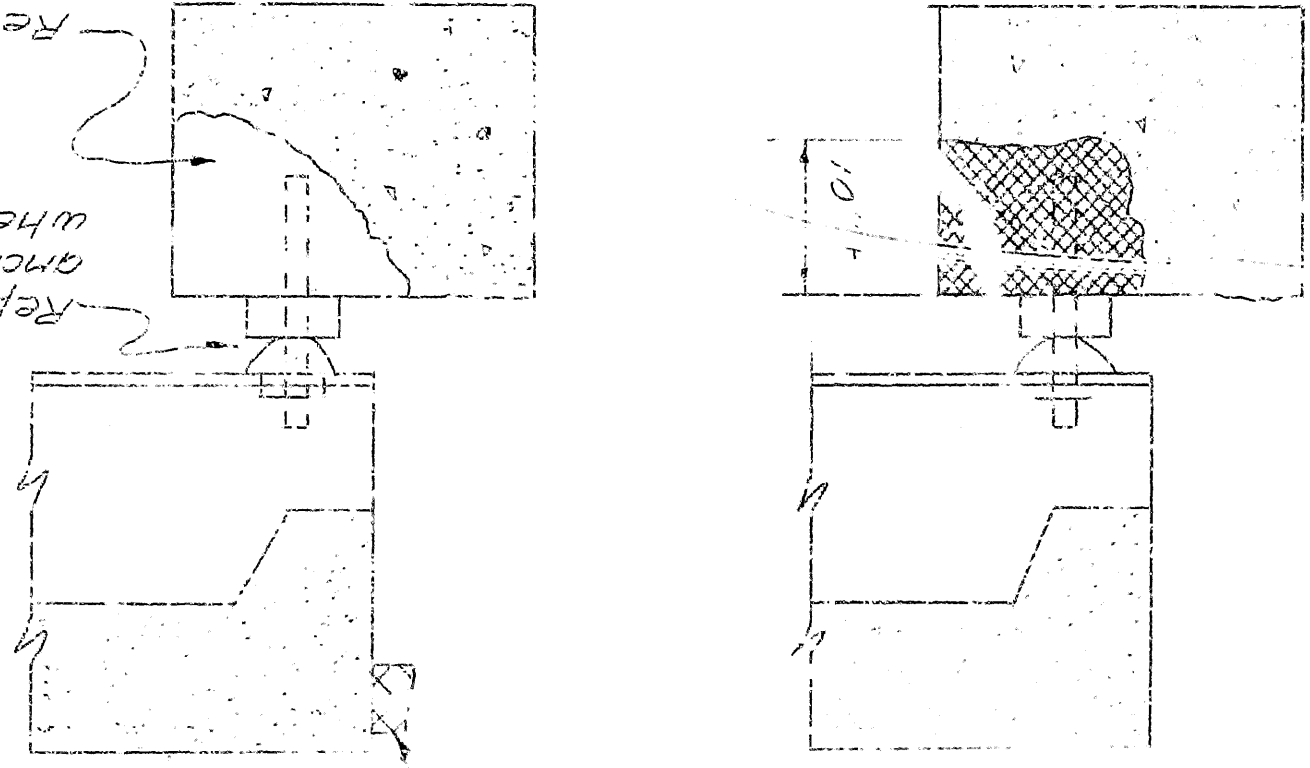
TYPICAL REPAIRS AROUND EXPANSION JOINTS

TABLE OF REPAIRS

low cut. Remove and repair
reinforcing steel. For rain-
forcing steel and exposed
surface treatment, See Typ. Deck Repairs



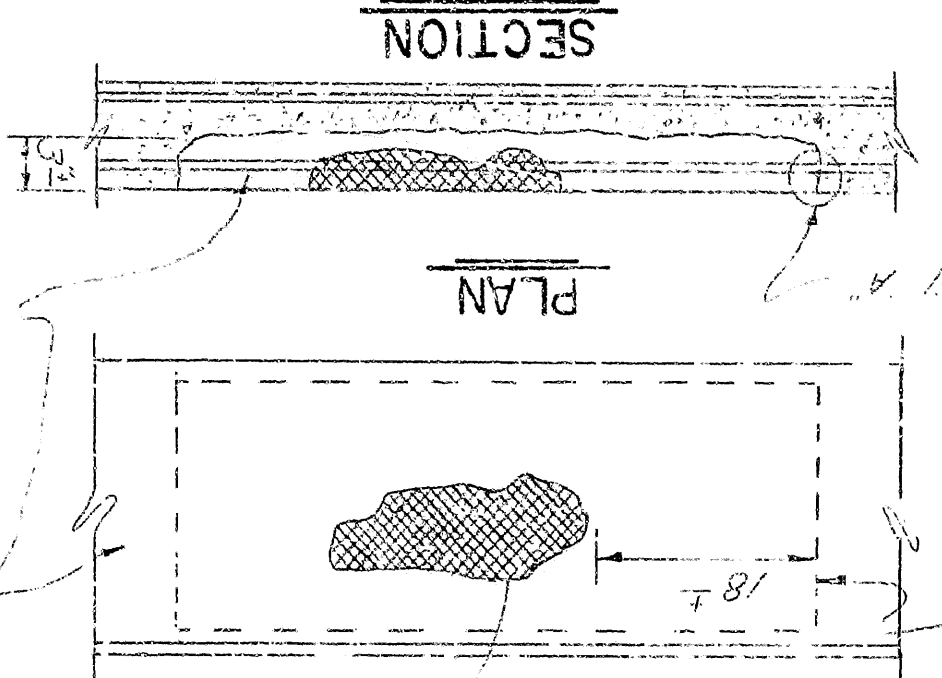
See Detail A



17514-10101 50005

TYPICAL BENT REPAIR

TYPICAL DECK REPAIRS



NOTICES

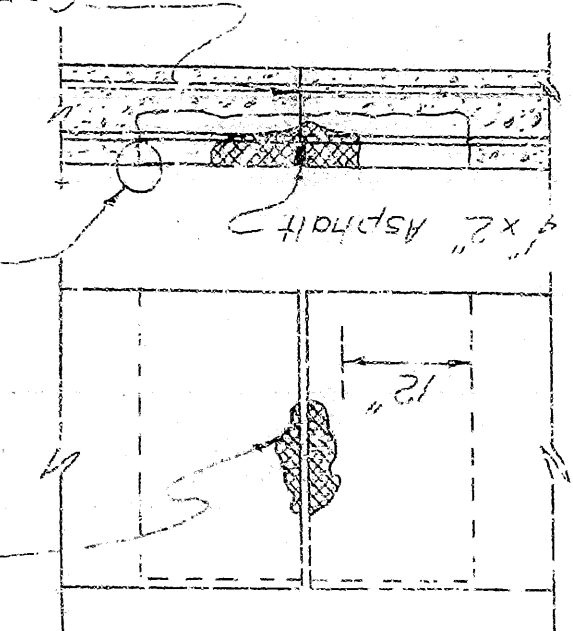
FLAN

Replace bearing fls and/or anchor bolts as directed, when deteriorated.

have concrete to below top
forcing steel, clean steel and
etc, coat with epoxy (sp 1132),
pour new concrete.

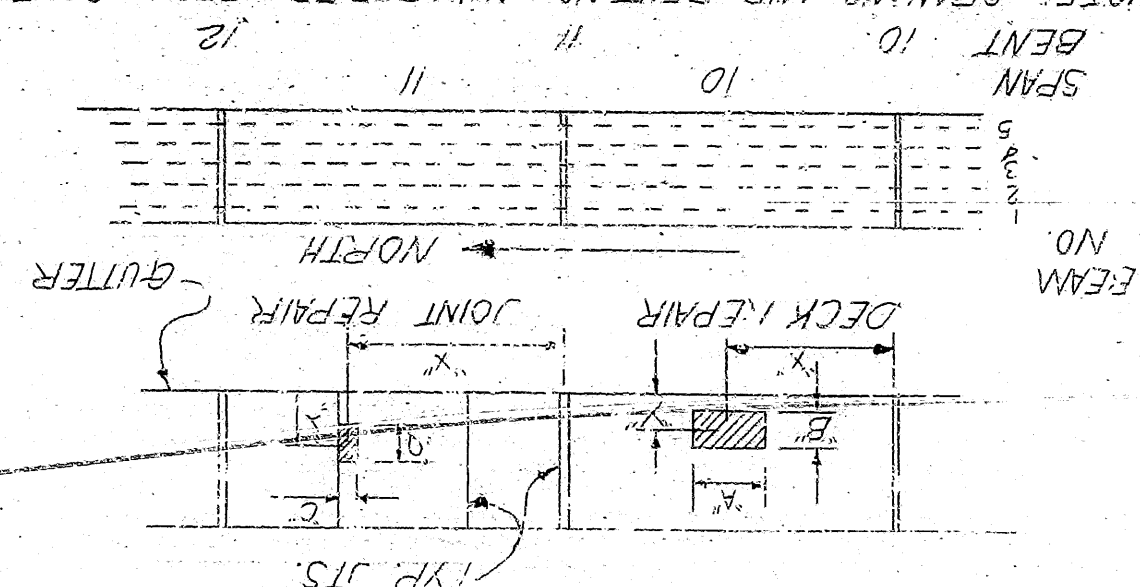
Shape edge of patch seal joint, after one day curing with epoxy (sp 1132)

DETAIL A

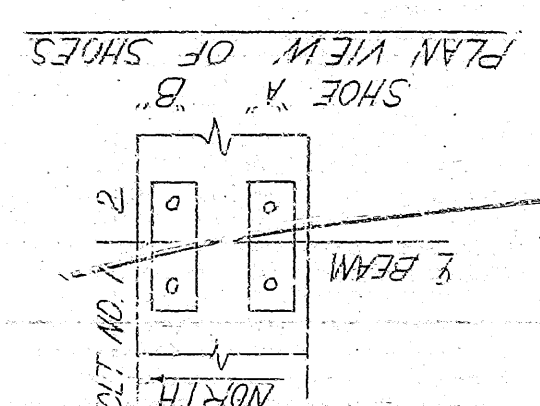


TYPICAL CONSTRUCTION JOINT REPAIR

- Remove and repair concrete. Shop#.
- Saw cut around spill area.
- Patch edges. Clean remaining portion of joint and seal. For treatment of reinforcing steel and exposed surface of concrete, see Typical Deck Repairs.



NOTE: SPAN NO AND BENT NO. NUMBERED FROM SOUTH END OF BRIDGE TO NORTH END. BEAM NO. ARE LEFT TO RIGHT LOOKING NORTH.



REF. DWG NO. 18246 FOR END BENT REPAIRS

TYPICAL REPAIR DETAILS
 MO. PAC. R.R. & HWY. 64 OVERPASS
 WEST MEMPHIS - CLARKEDALE RECONSTRUCTION
 CRITTENDEN COUNTY
 ROUTE 55 SEC. 11
 ARKANSAS STATE HIGHWAY COMMISSION

BRIDGE NO. 26718 DRAWING NO. 18747
 3131AR 3131BR
 DESIGNED BY: JLC DATE: JAN 78
 CHECKED BY: JLC DATE: FEB 78
 DRAWN BY: JLC DATE: 11/9/74
 LITTLE ROCK, ARK.
 SCALE: NOTE