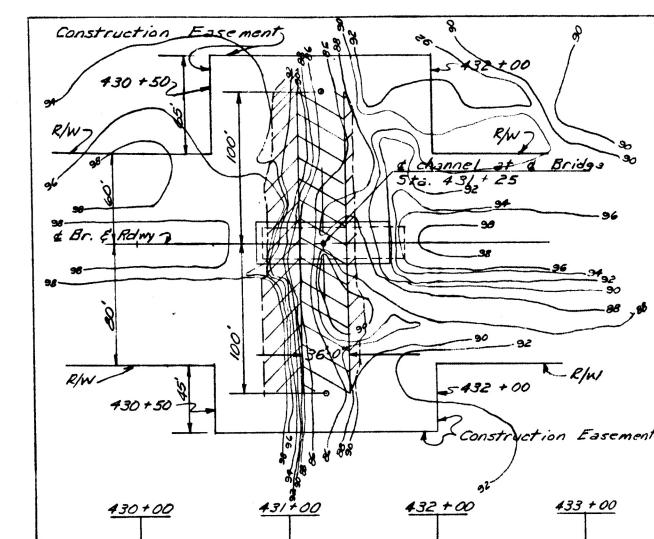
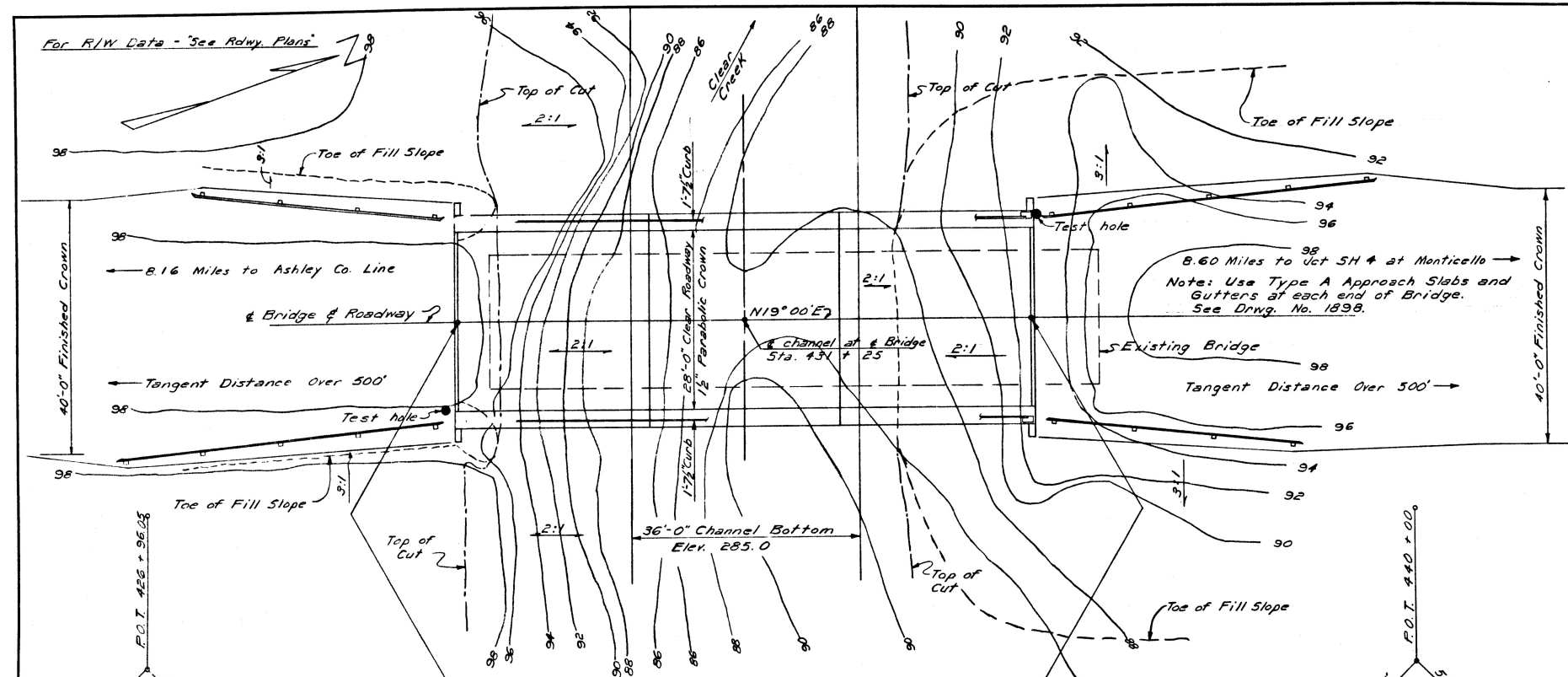


FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	F-253-1115		19	54
JOB No.	2630				



Note: Excavate channel 100' upstream and downstream. Channel bottom Elev. 85.0'. Channel bottom to be 36' wide with 2:1 side slopes. Channel Excavation Approx. 750 cu. yds.

LOCATION SKETCH
Scale: 1" = 50'-0"

GENERAL NOTES

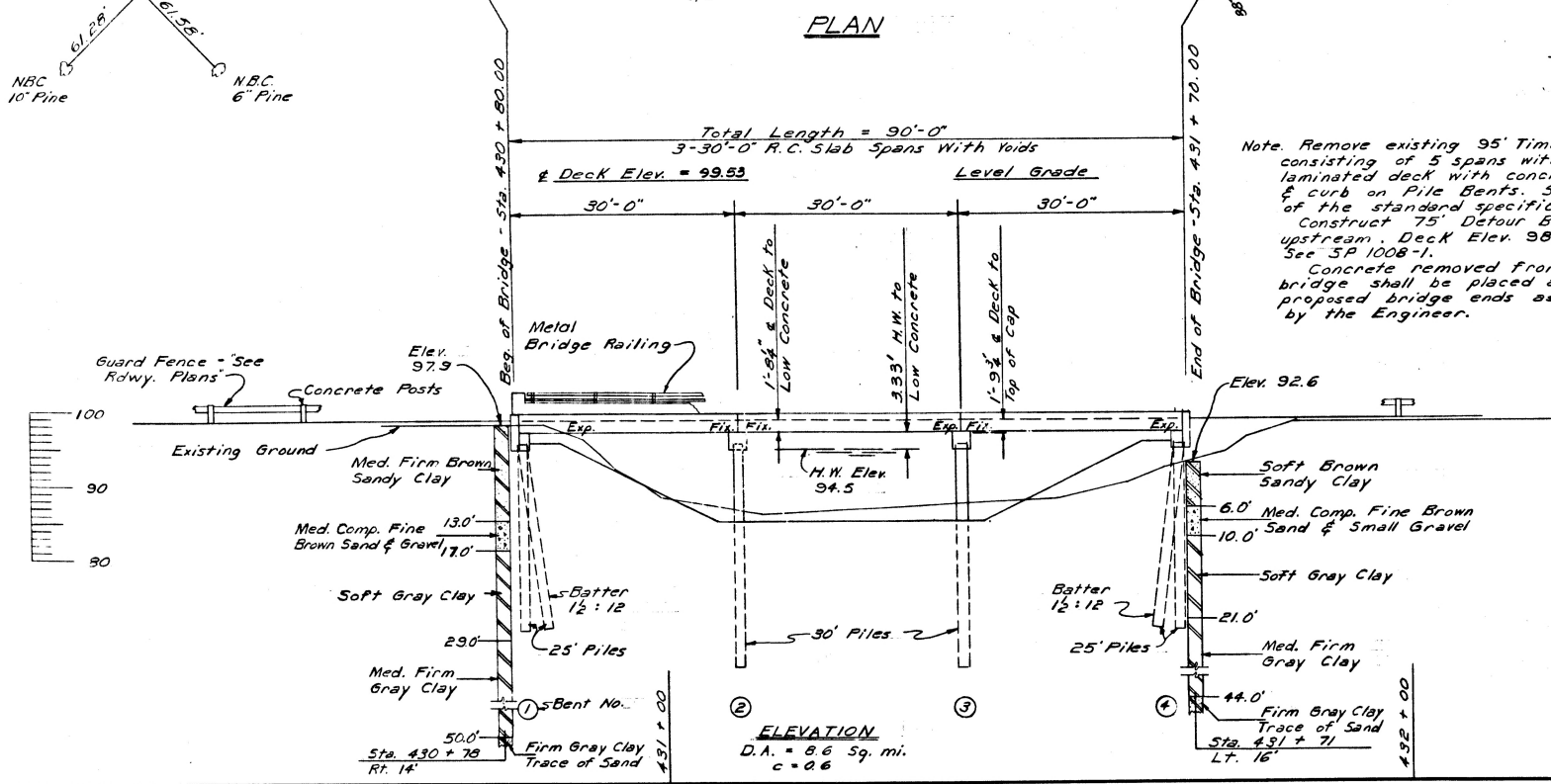
Bench Mark - Wall in Side Power Pole 35' Rt. Sta. 429+05. Elev. 100.00 (Assumed).
All piling shall be 18" octagonal precast concrete and shall be driven with an approved air, steam or diesel hammer to a minimum bearing capacity of 30' tons per pile, and to a minimum penetration 20' below the ground line.
Lengths of piling shown are assumed for estimating quantities only. Actual lengths to be determined in the field. Piles in end bents to be driven after embankment is in place. Drive one 35' test pile in Bent No. 2.
For Details of Substructure see Dwg. No. 5421A.
For Details of Superstructure see Dwg. No. 15042.
For Details of 18" Octagonal Precast Concrete Piles see Dwg. No. 2382.

SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Highway Construction, Edition of 1959, and designated Special Provisions.

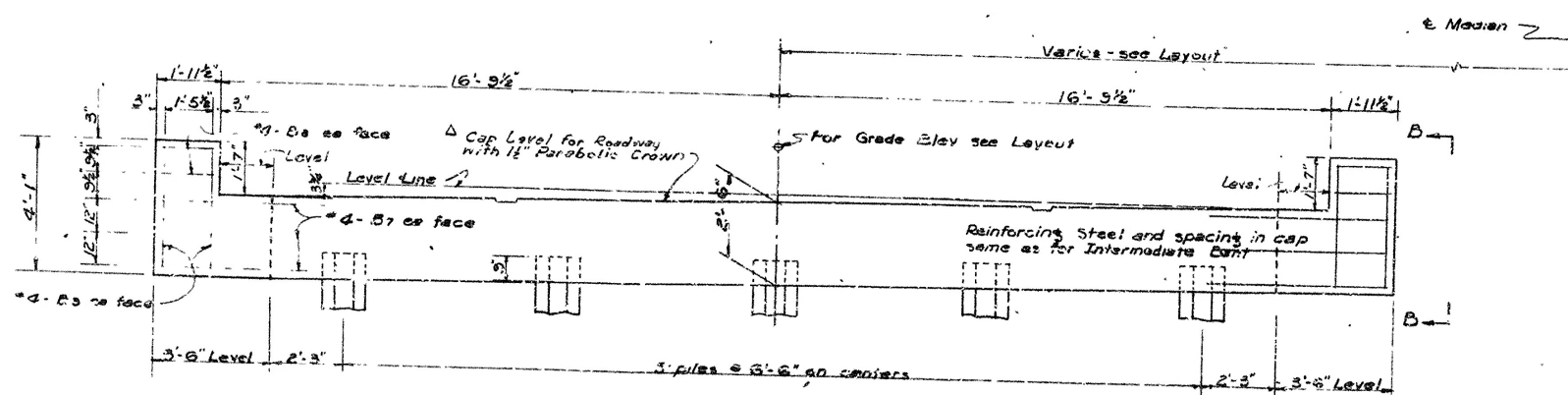
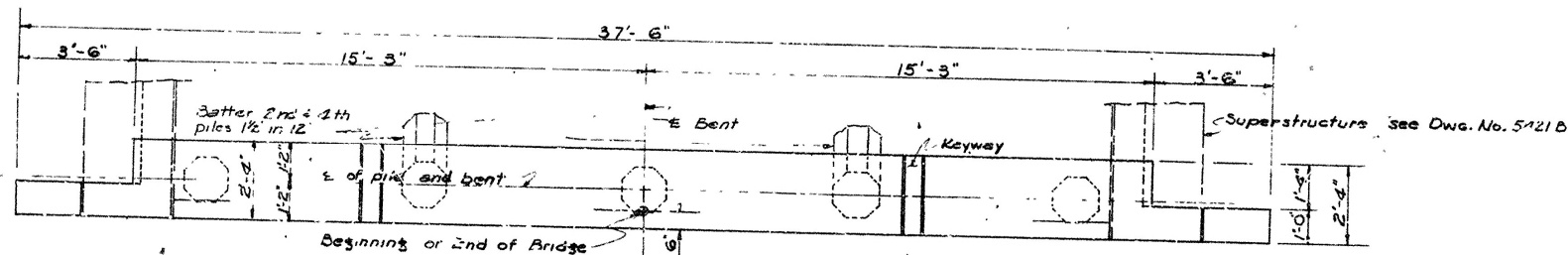
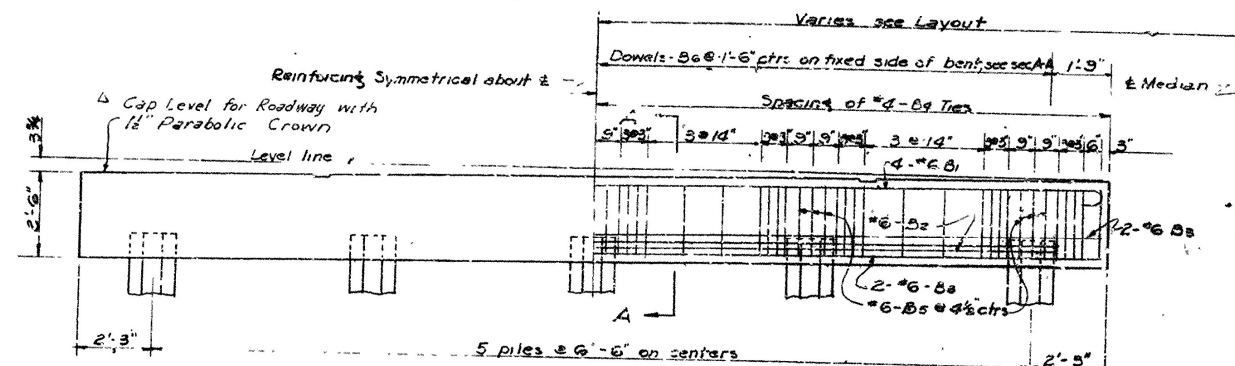
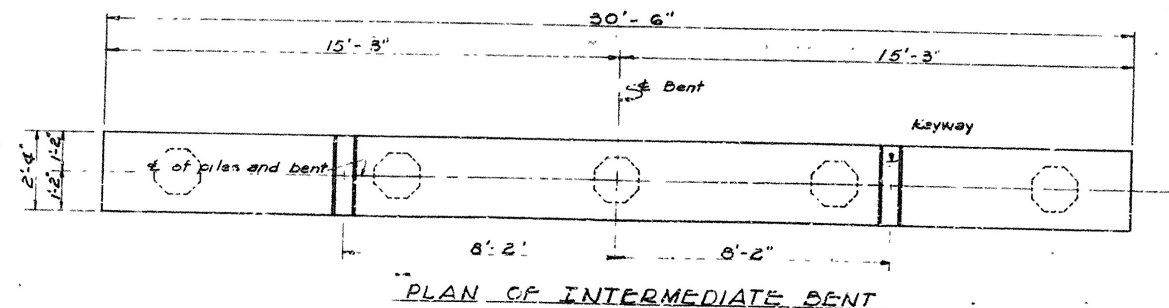
Loading: NS20
Stresses: Class S Concrete (f_c=10) 1,200 psi
Reinforcing Steel 20,000 psi

LAYOUT OF BRIDGE
OVER CLEAR CREEK
ASHLEY CO. LINE-MONTICELLO
BRIDGES & APPROACHES
DREW COUNTY
ROUTE 81 SEC. 3
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

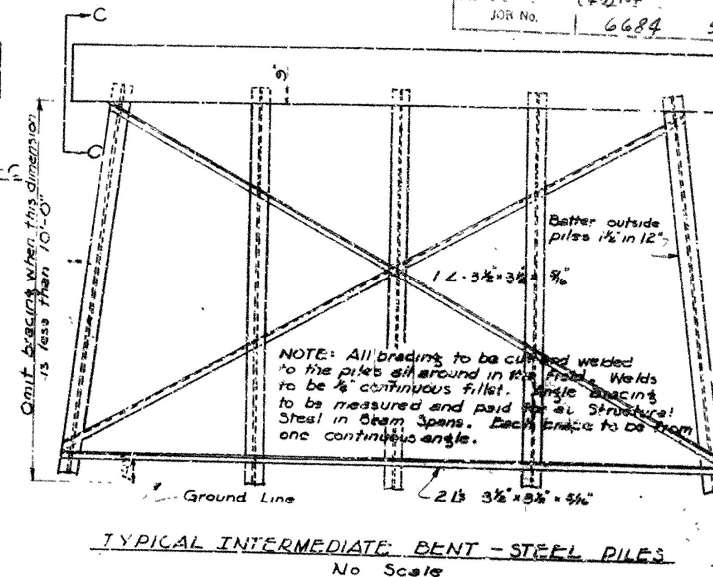
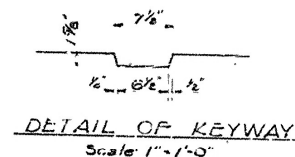
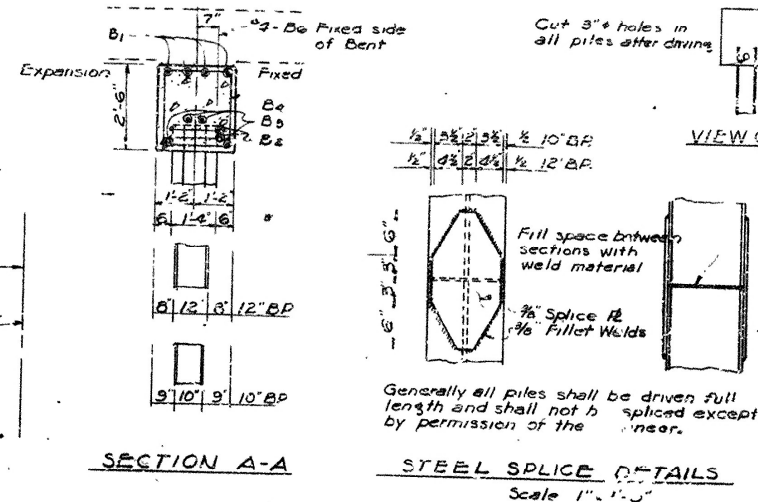
DRAWN BY: JAS DATE: 6-24-64
CHECKED BY: W.E.W. DATE: 6-25-64
BRIDGE NO. 3935 DRAWING NO. 12969



ELEVATION
D.A. = 8.6 Sq. mi.
c = 0.6



NOTE: Reverse crown when the median is on the left.



GENERAL NOTES

All concrete to be Class S and shall be poured in the dry. All exposed corners to be chamfered 1/4" unless otherwise noted.
Reinforcing steel to be deformed bars of intermediate grade unless otherwise noted by Special Provisions. Shop lists and bending diagrams are to be submitted for approval before fabrication is begun.
All piling shall be driven to a minimum capacity of 55 tons per pile.
Piling shall be either 10" H&B, 12" H&B, steel bearing piles or 16" octagonal precast concrete piles as shown on the layout.
Volume occupied by embedded pile heads will not be included in the pay quantities of concrete caps.
For Details of Standard 30'-0" R.C. Slab Spans see Drawing No. 5421B.
SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Highway Construction, Edition of 1959.

BAR LIST PER BENT

MARK	SIZE	NO. PER BENT	END	INT	LENGTH	BENDING DIAGRAM
B1	#6	4	4	4	3'-6"	B1 #6 4x4
B2	#6	4	4	4	3'-6"	
B3	#6	4	4	4	30'-1"	B3 #6 4x4
B4	#6	50	50	50	6'-11"	
B5	#6	15	15	15	6'-5"	B5 #6 15x15
B6	#4	12	12	12	2'-6"	
B7	#4	12	12	12	5'-0"	B7 #4 12x12
B8	#4	8	8	8	1'-8"	
B9	#4	8	8	8	3'-9"	B9 #4 8x8
B10	#4	8	8	8	3'-9"	

Dimensions are to centers of bars

DETAILS OF
STANDARD PILE BENTS
FOR STD. 30'-0" R.C. SLAB SPANS

28'-0" CLEAR ROADWAY 2 CURBS @ 1'-6"
ROUTE SEC.

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

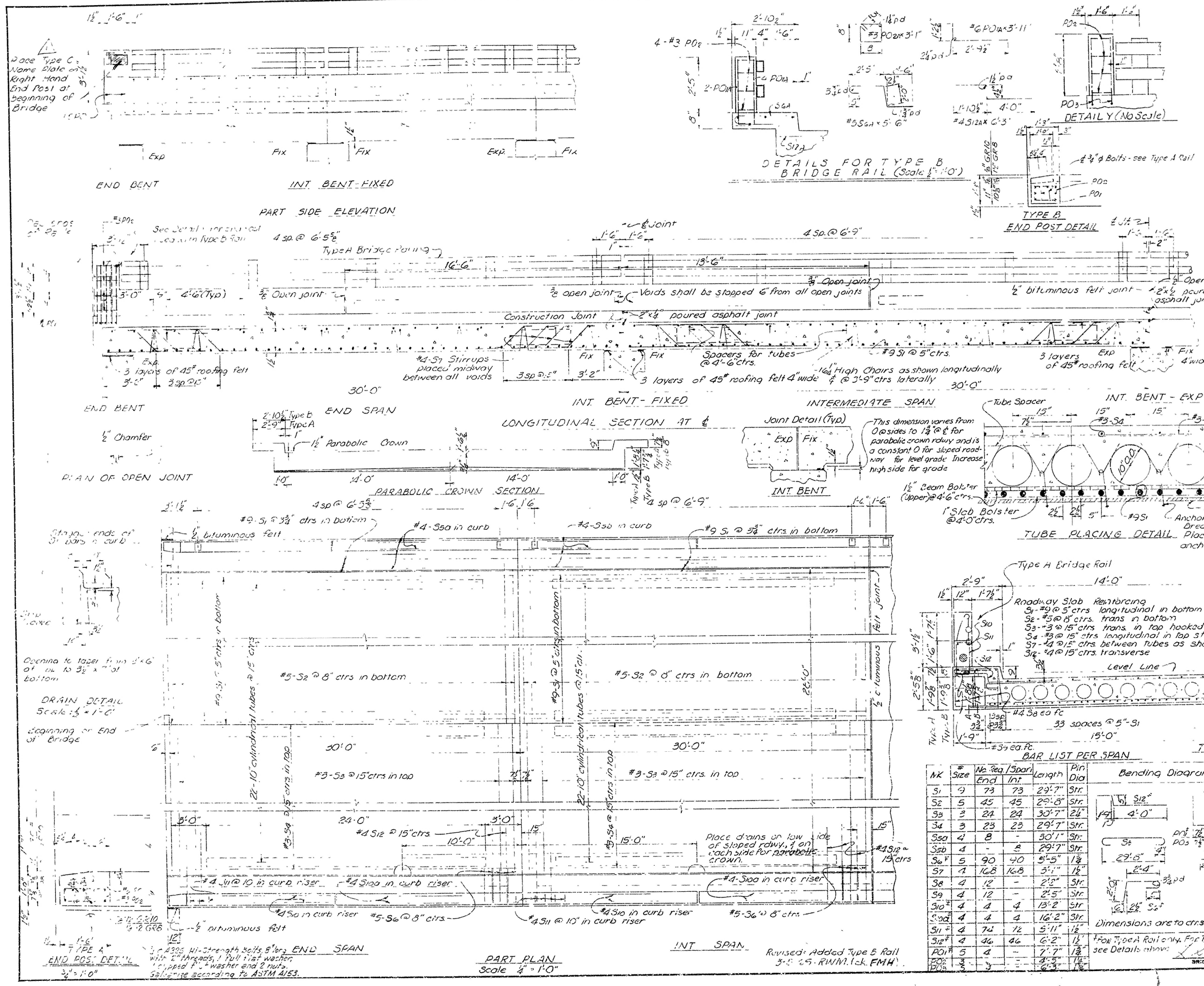
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TRACED BY: [Signature] DATE: 8-1-57
CHECKED BY: [Signature] DATE: 8-1-57
BRIDGE NO. [Blank] DRAWING NO. 5421A
FILE 23 DWS NO. 10023A

FED. ROAD No.	STATE	FED. AID PROJECT	FISCAL YEAR	SHEET No.	TOTAL SHEETS
6	ARK.				
JOB No.					

GENERAL NOTES:
All concrete to be Class S. All exposed corners to be chamfered 3/4" unless otherwise noted.
Reinforcing steel to be deformed bars of intermediate or hard grade. Shop lists and bending diagrams must be submitted and approved before fabrication is begun.
All cylindrical tubes used to form voids shall be moisture protected, laminated type construction, minimum thickness 0.225 for 10" tubes and 0.175" for 6" tubes, and shall be furnished complete with end closures.
All reinforcing and fiber tubes shall be accurately located in the forms and firmly held in place by means of steel wire supports and spacers for tubes of sufficient size and number to prevent displacement during the course of construction, but in no case of lesser design than that shown.
Wire supports for reinforcing bars will not be paid for directly but will be considered subsidiary to the item of Reinforcing Steel.
Tubes for forming voids and wire supports and spacers for tubes will not be paid for directly but will be considered subsidiary to the item of Class S Concrete.
Shop lists and diagrams of wire supports and spacers for tubes shall be submitted for approval before fabrication is begun.
Roofing felt, bituminous felt and poured asphalt joints shall be measured and paid for as Class S Concrete.
For details of Bridge Railing see Drwg. No. 14993 or 14992 as shown on Bridge Layout.

SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Highway Construction, Edition of 1959.

DESIGN SPECIFICATIONS: AASHTO 1961
Design Live Loading: HS20 and Special Interstate Loading of two 24,000# axles 4'-0" on centers.
Load Distribution to Slab: Dead Load - 182 #/sq ft; Live Load - 0.174 wheels/sq ft width plus 30% impact.
Unit Stresses: Class S Concrete (n=10) 1,200 psi
Reinforcing Steel 20,000 psi



BAR LIST PER SPAN

BAR	Size	No. Req. / Span	Length	Pin Dia
S1	9	73	29'-7"	3/8"
S2	5	45	29'-8"	3/8"
S3	3	24	30'-7"	3/8"
S4	3	23	29'-7"	3/8"
S5a	4	8	30'-1"	3/8"
S5b	4	8	29'-7"	3/8"
S6	5	90	5'-5"	1/2"
S7	4	168	16'-8"	1/2"
S8	4	12	2'-5"	3/8"
S9	4	12	2'-5"	3/8"
S10	4	4	13'-2"	3/8"
S11	4	4	16'-2"	3/8"
S12	4	74	5'-11"	1/2"
S13	4	46	6'-2"	1/2"
S14	5	4	7'-7"	1/2"
S15	3	3	4'-5"	1/2"
S16	3	3	6'-3"	1/2"

Bending Diagram

Dimensions are to center of bars.

DETAILS OF STANDARD
30'-0" R.C. SLAB SPANS
28'-0" CLEAR ROADWAY 2 CURBS @ 1'-7 1/2" or 1'-6"
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: RWM DATE: 7-21-64
TRACED BY: JAS DATE: 7-20-64
CHECKED BY: JAS DATE: 7-20-64
BRIDGE NO. DRAWING NO. 15062