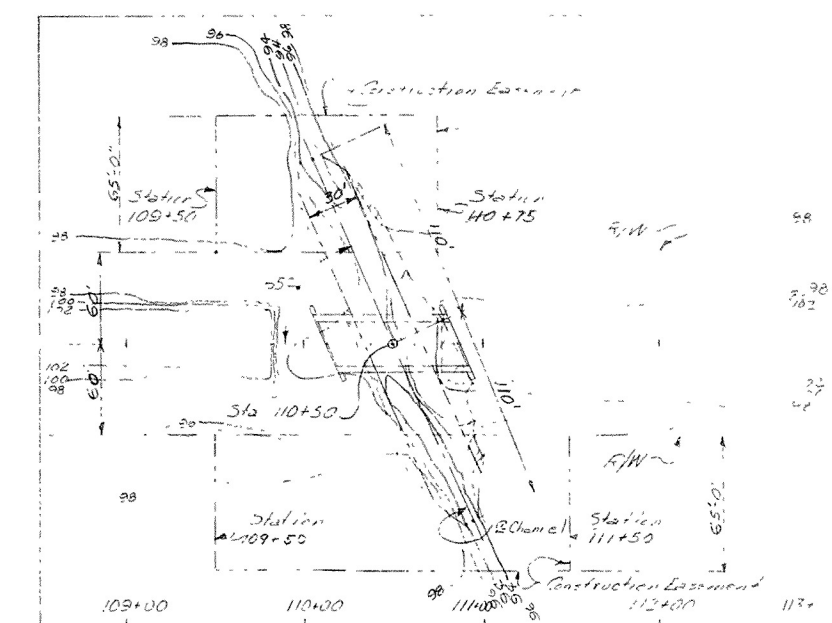
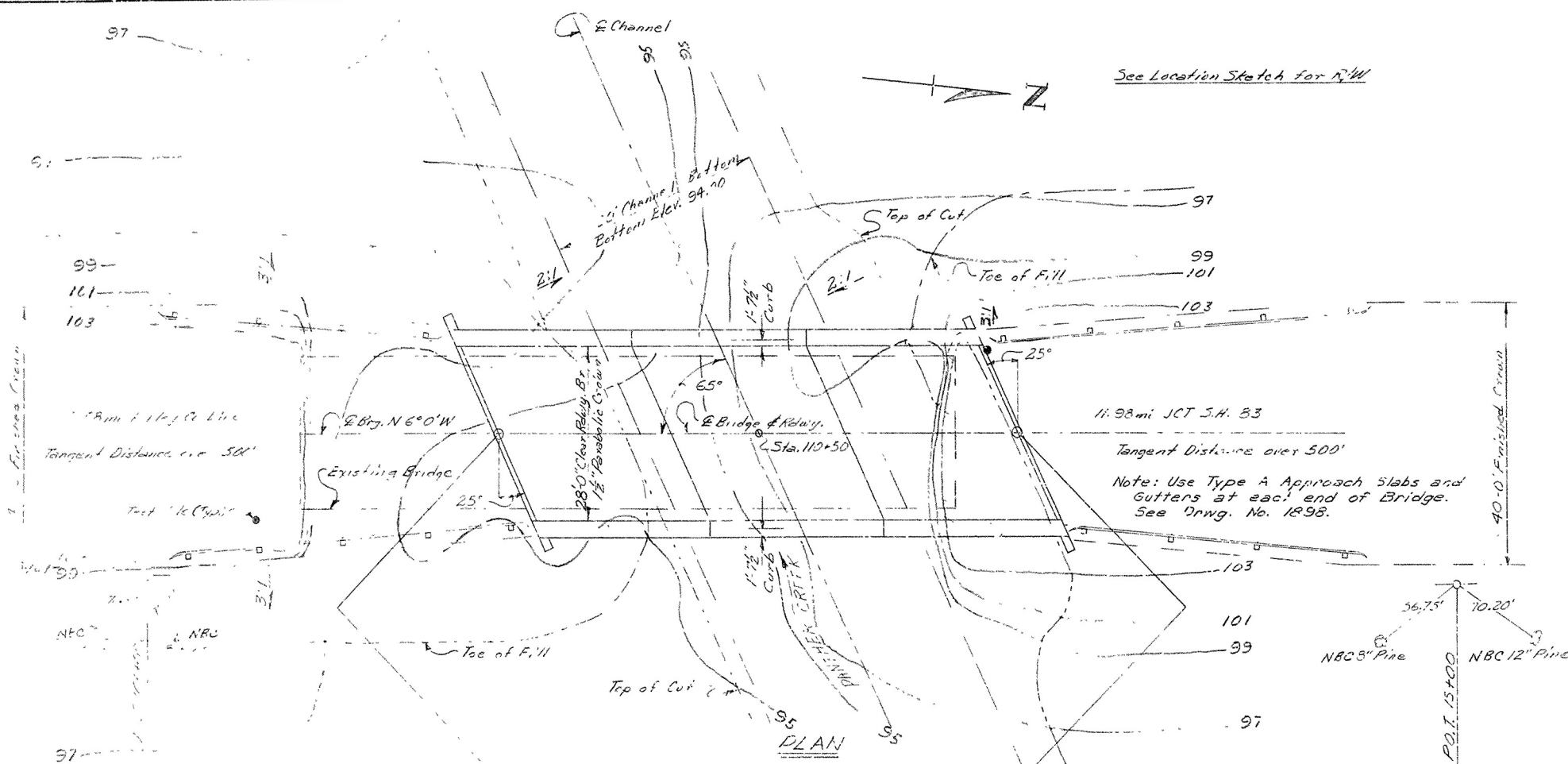
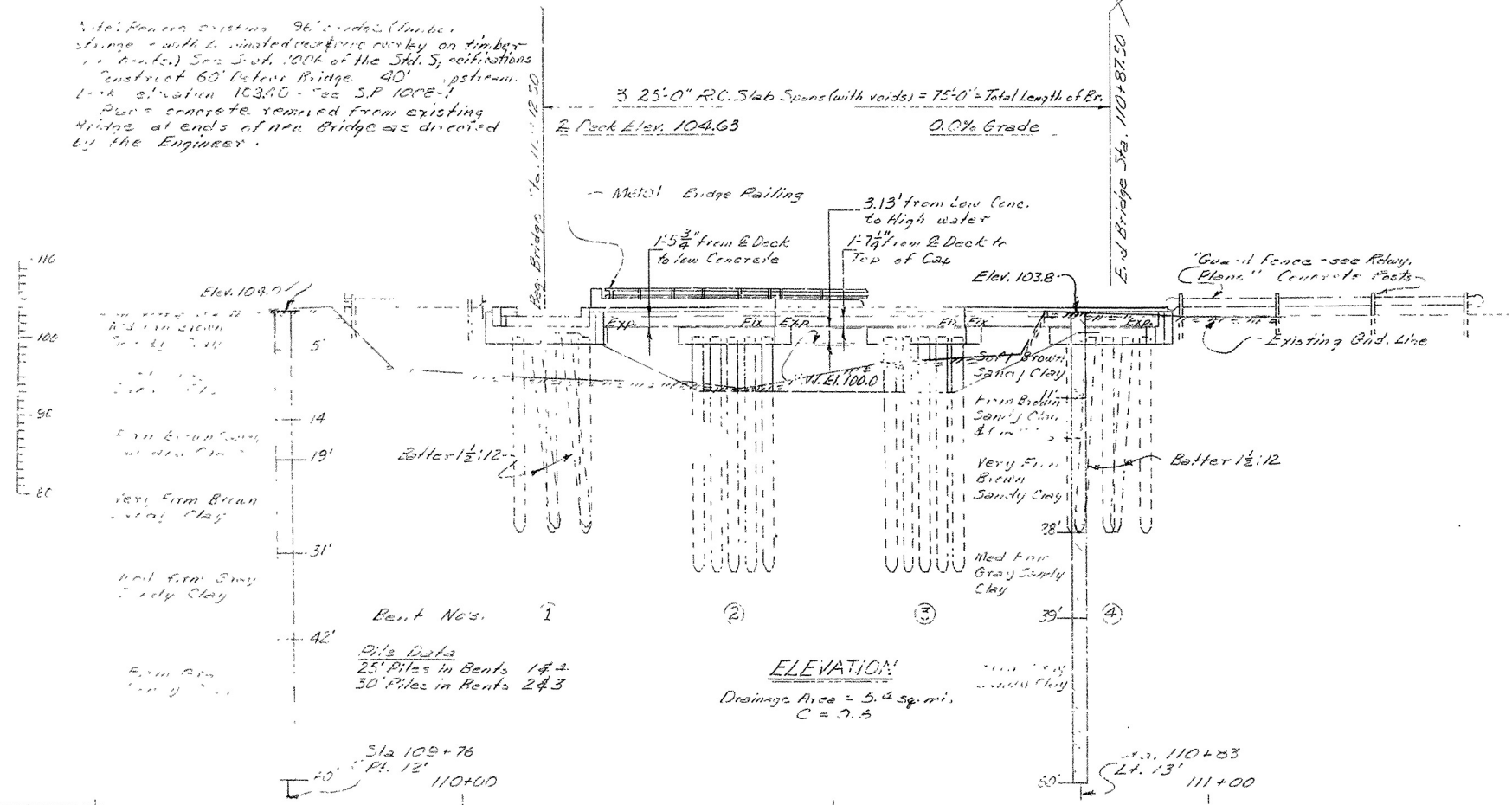


FED. PROJ. No.	STATE	FED. AID PROJECT YEAR	FISCAL YEAR	SHEET No.	TOTAL SHEETS
6	ARK.	223	11/51	16	54
JOB No.	2680				



Note: Remove existing 96' grade (timber stringer) with 2' finished concrete curb on timber stringer. See S. 100' of the Std. S. 100' stationing. Construct 60' Detour Bridge. 40' upstream. 100' stationing 103+00 - Toe S.P. 100' - 1'.

Pave concrete removed from existing bridge at ends of new bridge as directed by the Engineer.



GENERAL NOTES

Bench Mark - Nail in Power Pole 62' Lt. Sta. 108+94. Elevation 100.00 (Assumed).

All piling shall be 16" octagonal precast concrete driven with an approved air, steam or diesel hammer to a minimum bearing capacity of 36 tons per pile and to a minimum penetration of 10'. Lengths of piling shown are assumed for estimating quantities only. Actual lengths to be determined in the field. Drive one 35' test pile in Bent 2.

Piles in end bents shall be driven after embankment is in place.

For Details of Precast Concrete Piles see Dwg. No. 2382.

For Details of Substructure see Dwg. No. 2422P.

For Details of Superstructure see Dwg. No. 15060A.

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

DESIGN SPECIFICATIONS: AASHTO 1961

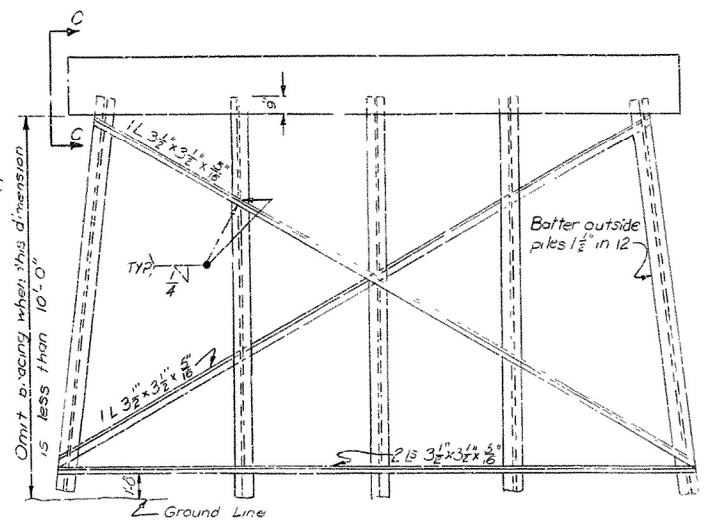
Live Loading: HS20

Stresses: Class S Concrete (n=10) 1,200 psi

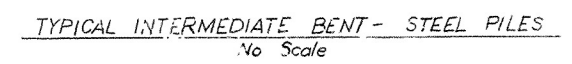
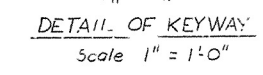
Reinforcing Steel 20,000 psi

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

DRAWN BY: F.E. JOATE 6-24-64
TRACED BY: DATE: 6-24-64
CHECKED BY: DATE: 6-24-64
BRIDGE NO. 3932 DRAWING NO. 12966



STEEL SPLICE DETAILS
Scale 1" = 1'-0"



All concrete to be Class S and shall be poured 1 in the dry.
All exposed corners to be chamfered $\frac{3}{4}$ unless otherwise noted.
Reinforcing steel to be deformed bars of intermediate or hard grade. 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 36 tons per pile.
Piling shall be either 12B063 steel bearing piles or 16" octagonal precast concrete piles as shown on the layout.

Roadway Slope	A	B
0.0104 %	3 $\frac{1}{8}$ "	4 $\frac{3}{8}$ "
Parabolic Crown	0	0

MARK	SIZE	NO PER BENT		LENGTH	BENDING DIAGRAM
		END	INT		
B ₁	#6	4	4	35'-1"	
B ₂	#6	4	4	35'-4"	
B ₃	#6	4	4	33'-8"	
B ₄	#4	5-4	5-4	6'-11"	
B ₅	#6	15	15	6'-3"	
B ₆	#4	-	42 #6 x 10' 0"	2'-6"	
B ₇	#4	12	-	5'-6"	
B ₈	#4	2	-	2'-2"	
B ₉	#4	2	-	2'-3"	
B ₁₀	#4	2	-	2'-1"	
B ₁₁	#4	2	-	1'-7"	
B ₁₂	#4	1	-	4'-7"	

Dimensions are to the centers of bars

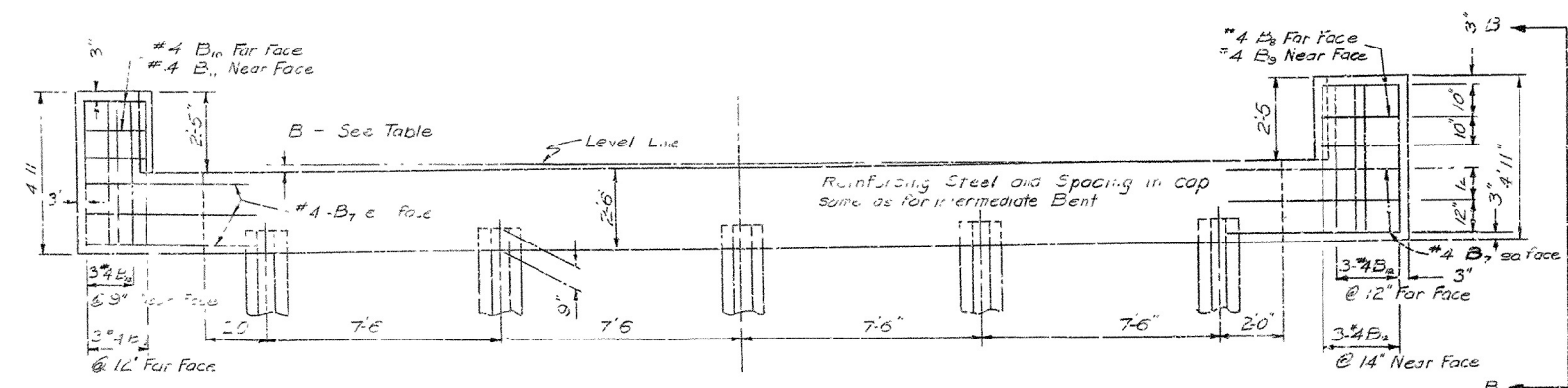
DETAILS OF
STANDARD PILE BENTS FOR
STD. 25'-0" thru 30'-0" R.C. SLAB SPANS (WITH)
25' SKEW RT FWD.
26'-0" CLEAR ROADWAY 2 CURBS 1'-6"
ROUTE SEC.

DRAWN BY JWG DATE: 6-19-63
 TRACED BY: DFE DATE: 7-2-63
 CHECKED BY: DFE DATE: 7-2-63
 SCALE: $\frac{1}{2}$ - 1'-0" or as shown

BRIDGE NO. DRAWING NO. **5422P**

BRIDGE NO.

DRAWING NO. 5422P



2'-4"

1'-0" 1'-4"

2'-11"

2'-5"

2'-5"

1'-0"

1'-4"

1'-0"

10" W.C. Precast Concrete

END VIEW B-B

