198

FED. ROAD No.	STATE	FED AID PROJECT	FISCAL YEAR	SHEET No.	TOTAL SHEETS
6	ARK.	S-166(3)			
JOB No.		10700		5	24

For R/W Data - See Rdwy. Plans

Ditch No. 31

Existing Bridge N 4°45' W

Existing 36" C.M.P. to be relocated - (See Roadway Plans)

Existing 36" CMP

Existing 36" C.M.P.

Future Channel as shown

Material removed from existing bridge shall become the property of the Contractor and shall be removed from the right of way.

PLAN

8 R.C. Slab Spans (With Voids) at 28'-0" = 224'-0" Total Bridge Length

Deck Elev. 232.50'

Level Grade

Steel (10ga.) or Aluminum 10.156) Plate Guard (Bridge Railing

Concrete Post

1-5¼" ℄ Deck to Low Concrete

H.W. 228.9 (1957)

E. 12' Low Concrete To High Water

Elev. 231.7'

Guard Fence - See Rdwy Plans

Concrete Post

Bear. Bridge Sta. 194+58.00 ℄ Deck Elev. 232.50

End Bridge Sta. 196+32.32 ℄ Deck Elev. 231.7

Sta. 194+95.00

Sta. 195+52.00

Sta. 195+80.00

Sta. 196+50.00

Sta. 196+64.00

Batter 1½:12 ±

Firm Brown Clay - Moist

Med. Firm Gray Clay - Wet

Elev. 217.7 (4-3-63)

Ground Line

Batter 1½:12

Future Channel Bottom - Elev. 212.0'

20'-0" Min.

Bent Nos. ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

Comp. Coarse Brown Water Bearing Sand

Comp. Coarse Gray Water Bearing Sand

Sta. 194+84 Rt 12'

Sta. 196+60 Lt. 12'

Bent No.	Length
1,2,8,&9	25'
3 & 7	33'
4,5,&6	38'

ELEVATION

D.A. = 67.2 Sq. Mi.
C = 0.33

GENERAL NOTES

Bench Mark- Nail in End Cap 16' Lt. Sta. 196+58, El. 230.86.

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 20 feet. Lengths of piling shown are assumed for estimating quantities only. Actual lengths to be determined in the field. Drive one 43' test pile in Bent 5 and one 30' test pile in Bent 8.

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 End Bents see Dwg. No. 5463
For Details of Intermediate Bents see Dwg. No. 5463
For Details of Superstructure see Dwg. No. 5463

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

DESIGN SPECIFICATIONS: AASHO 1961
Live Loading: H-15
Stresses: Class S Concrete (n=10) 1,200 psi
Reinforcing Steel 20,000 psi

LAYOUT OF BRIDGE OVER DITCH NO. 31 JCT. 140 - JCT. 18 MISSISSIPPI COUNTY ROUTE 181 SEC. 2

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: WAS DATE 5-6-63
TRACED BY: DATE:
CHECKED BY: DFL DATE 5-8-63
SCALE: 1" = 10'

L. F. Gallum
BRIDGE ENGINEER

BRIDGE NO. 3825 DRAWING NO. 12490

GRAYSON BLUE PRINT CO.