



NOTE:
The Contractor shall remove existing Bridge approximately 307.5 feet long, located approximately 600 feet upstream and consisting of three 100' low truss spans, with concrete floor and concrete piers, in accordance with Section 1006 of the Standard Specifications.

RIGHT-OF-WAY DATA:
See Location Map.

PLAN
Total Length of Bridge = 382'-2"
All Spans are Composite I-Beam Spans (Regular).
Three 60'-0" Spans.

ELEVATION

Drainage Area = 35 sq. mi.
C=1.0

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

| DESIGN SPECIFICATIONS | AASHTO | 1957 |
|---------------------------------------|--------|------------|
| Line Loadings | | 220-818 |
| Unit Stresses | | |
| Class A Concrete (f _c =15) | | 840 psi |
| Class B Concrete (f _c =10) | | 1,200 psi |
| Reinforcing Steel | | 20,000 psi |
| Structural Steel | | 18,000 psi |
| Maximum Foundation Pressure | | 9,000 psi |

LAYOUT OF
OVER WEST FORK OF WHITE RIVER
WESTFORK-GREENLAND RECONSTRUCTION
WASHINGTON COUNTY
ROUTE 71 SEC. 16
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: EP DATE: 5-5-61
TRACED BY: SV DATE: 5-27-61 SCALE: 1"=20'-0"
CHECKED BY: SV DATE: 5-27-61
BRIDGE NO. 3428 DRAWING NO. 11-70

GENERAL NOTES
All concrete shall be poured in the dry. All exposed corners shall be chamfered 3/4" unless otherwise noted.
In general all construction joints in bents and piers shall be provided with keys not less than 12" high and covering the middle third of both dimensions.
Rock excavation shall be made to neat lines of concrete footings. Care shall be exercised to avoid shattering of rock faces by excessive blasting. Concrete footings shall be poured directly against excavated surfaces of rock. Excavate 1'0" minimum into hard shale.
All piling shall be 12" BP&S39 and shall be driven with a sledge hammer into the material designated in the boring logs as hard blue shale a. to a minimum capacity of 36 tons per pile. Pile in End Bents shall be driven after embankment is in place. Lengths of piling shown are for estimating quantities only. Order lengths shown, cut-off or build-up, if necessary, to be paid for in accordance with the Standard Specifications.
For details of End Bents see Drawing 5477A.
For details of Piers see Drawing 11477.
For details of Superstructure see Drawings 5482 and 5477.

BENCH MARK - Nail in Root of Tree in 18' Maple
60' R.L. Sta. 209+46 - Elev. 1233.29

