

See Rdwy. Plans for
Temp. Constr. Easement

For R/W Data - See Rdwy. Plans

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		100126	35	132
				06890	LAYOUT			43042

GENERAL NOTES

BENCH MARK: 902 TBM 132.36' Rt. of Sta. 25+47.56; Elev. 324.79.

CONSTRUCTION SPECIFICATIONS: Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, (1996 edition) with applicable supplemental specifications and special provisions. Section and Subsection refer to the Standard Construction Specification unless otherwise noted in the Plans.

DESIGN SPECIFICATIONS: AASHTO Standard Specifications for Highway Bridges, (1996 Edition) with current interim specifications.

LIVE LOADING: HS20 METHOD OF DESIGN: Load Factor
SEISMIC PERFORMANCE CATEGORY: B

MATERIALS AND STRENGTHS:

Class S(AE) Concrete (superstructure) $f'_c = 4,000$ psi
Class S Concrete (substructure) $f'_c = 3,500$ psi
Reinforcing Steel (AASHTO M31 or M53, Gr. 60) $f_y = 60,000$ psi
Structural Steel (AASHTO M270, Gr. 36) $f_y = 36,000$ psi
Structural Steel (AASHTO M270, Gr. 50W) $f_y = 50,000$ psi

BORING LOGS: Boring logs may be obtained from the Programs and Contracts Division.

PILING: Piling for Bents 1 and 4 shall be 16" square precast concrete and shall be driven to a minimum safe bearing capacity of 44 tons per pile. Piles in end bents to be driven after embankment to bottom of cap is in place. Piling for Bents 2 and 3 shall be 18" square precast concrete and shall be driven to a minimum safe bearing capacity of 65 tons per pile. Piles in bents 2 & 3 shall be driven to a minimum penetration of 20' below the channel bottom. All piling shall be driven with an approved air, steam or diesel hammer. Lengths of piling shown are for estimating quantities only. Actual lengths to be determined in the field. Drive one 65' test pile in Bent 2 and one 65' test pile in Bent 4.

WATER JETTING AND PREBORING: Water jetting or preboring may be required to obtain 20' minimum penetration for Bents 2 & 3. Any cost for jetting or preboring shall be included in the item "Concrete Piling (18" square) or Test Pile (18" square)".

BRIDGE DECK: The concrete bridge deck shall be given a fine finish as specified for final finishing in subsection 802.19 for Class 5 Tined Bridge Roadway Surface Finish.

SURFACE TREATMENT: A Class I Protective Surface treatment shall be applied to the roadway surface and to the face and top of the concrete parapet rail.

DETAIL DRAWINGS: DRAWING NO.
104' Cont. Comp. W-Beam Unit 43049-43053
Substructure 43043-43048

EXISTING BRIDGE: The existing bridge no. 03484 is 24' wide and 76' long and consists of concrete precast spans and concrete bent caps with concrete piles.

REMOVAL AND SALVAGE: The existing bridge no. 03484 shall be removed after the New Bridge is opened to traffic and in accordance with Section 205 of the Standard Specifications. All 19'-0" precast interior and curb units shall remain the property of the State. All other material from the existing bridge shall become property of the Contractor.

SHEET 2 OF 2

LAYOUT OF BRIDGE OVER
MUD CREEK
MUD CREEK & RELIEF STRS. & APPRS. (S)
CRAIGHEAD COUNTY
ROUTE 141 SEC. 1
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: W.M.J. DATE: 6-1-01 FILENAME: B100126X1.LI
CHECKED BY: *Shu* DATE: 11-6-01 SCALE: 1" = 20'
DESIGNED BY: B.E.F. DATE: 5-3-01
BRIDGE NO. 06890 DRAWING NO. 43042



BRIDGE ENGINEER

I, 550, 3001, RWME548, 100126, B100126X1.LI