

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	34	132
				06890	LAYOUT		43041	

**HORIZONTAL CURVE DATA**  
P.I. = Sta. 29+95.8590  
 $\Delta = 90^{\circ}00'24.912''$  Lt.  
D = 6'30.00.0937"  
T = 881.5734'  
L = 1384.7132'

#### HYDRAULIC DATA

FLOOD DESCRIPTION	FREQUENCY YEARS	** TOTAL DISCHARGE CFS	MUD CREEK DISCHARGE CFS	* NORMAL WATER SURFACE ELEVATION FEET	WATER SURFACE ELEVATION W/BACKWATER FEET
DESIGN	50	6860	4092	321.7	322.4
BASE	100	7930	4691	322.0	323.0
EXTREME	500	10,660	6108	322.5	324.9
OVERTOPPING	> 500	NA	NA	NA	NA

\* Unconstricted water surface without structure or roadway approaches.

\*\* Combined Drainage Area = 16.7 sq. mi. for Mud Creek & Relief  
Historical H.W. Elev. = 324.3

#### BORING LEGEND

Al-Asphalt Pavement  
Bi-Moist, Very Loose, Brown Sand with Clay Seams  
Ci-Wet, Very Soft, Brown and Gray Silty Clay with some Gravel  
Di-Wet, Medium Dense, Brown Sand  
Ei-Wet, Medium Dense, Brown Sand with some Gravel  
Fi-Wet, Dense, Brown Sand and Gravel  
Gi-Wet, Loose, Brown Gravel  
Hi-Wet, Medium Dense, Brown Sand and Gravel  
Ji-Wet, Medium Dense, Reddish Brown Sand with some Clay Seams and Gravel  
Ki-Wet, Medium Dense, Reddish Brown Sand  
Li-Wet, Medium Dense, Reddish Brown Sand with Clay Seams  
Mi-Wet, Medium Stiff, Gray Clay with Sand Seams and some Gravel  
Ni-Wet, Stiff, Gray and Brown Silty Clay  
Pi-Wet, Stiff, Gray and Reddish Brown Clay with Sand Seams  
Qi-Wet, Dense, Reddish Brown Sand with some Clay Seams  
Ri-Wet, Very Dense, Brown Sand with Traces of Clay  
Si-Wet, Hard, Brown and Gray Clay with Sand Seams and Traces of Lignite  
Ti-Wet, Hard, Gray Sandy Clay with some Lignite  
Ui-Moist, Soft, Brown Silty Clay with some Gravel and Traces of Organic Matter  
Vi-Moist, Medium Stiff, Brown Silty Clay with some Sand and Organic Matter  
Wi-Moist, Medium Dense, Gray Sand with Clay Seams  
Xi-Wet, Medium Dense, Gray Sand  
Yi-Wet, Medium Dense, Reddish Brown Sand and Gravel  
Zi-Wet, Loose, Brown Gravel with Traces of Sand  
A2-Wet, Stiff, Reddish Brown Silty Clay  
B2-Wet, Very Dense, Brown Sand with some Clay Seams and Traces of Gravel  
C2-Wet, Dense, Brown and Gray Sand with Clay Seams  
D2-Wet, Very Dense, Reddish Brown Sand with Traces of Clay  
E2-Wet, Very Dense, Brown Sand and Gravel

#### SHEET 1 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: 6-10-01 FILENAME: B100126XLL1  
CHECKED BY: ARW DATE: 11-6-01 SCALE: 1" = 20'  
DESIGNED BY: B.E.F. DATE: 5-3-01  
BRIDGE NO. 06890 DRAWING NO. 43041

BRIDGE ENGINEER

