



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	ED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.	SDS-00016.		
				JOB NO.	NS-1-1	A	24	
				① 4335	100T	2100+		

BENCH MARK - N.T.S. 40 OAK CO RT. STA. 20-51, ELEV. 184.91.

ALL CONCRETE SHALL BE POURED IN THE DRY

ALL PILING SHALL BE 10" OCTAGONAL OR 16" SQUARE PRECAST CONCRETE AND SHALL BE DRIVEN WITH AN APPROVED AIR, STEAM, OR DIESEL HAMMER TO A MINIMUM BEARING CAPACITY OF 44 TONS PER PILE, AND TO A MINIMUM PENETRATION OF 20 FEET BELOW THE GROUND LINE. LENGTHS OF PILING SHOWN ARE ASSUMED FOR ESTIMATING QUANTITIES ONLY. ACTUAL LENGTHS TO BE DETERMINED IN THE FIELD. DRIVE ONE (35 FOOT) TEST PILE IN BENT 2.

PILES IN END BENTS TO BE DRIVEN AFTER EMBANKMENT TO SUBGRADE IS IN PLACE

FOR DETAILS OF BENTS, SEE DWG. NO. 21065

FOR DETAILS OF 25' R.C. SLAB SPANS, SEE DWG. NO. 21066

FOR DETAILS OF PRECAST CONCRETE PILING, SEE DWG. NO. 2383

SPECIFICATIONS: ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 1972, AND APPLICABLE SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS, AASHTO 1973 WITH 1974 THRU 1976 INTERIMS

#### METHOD OF DESIGN: LOAD FACTOR

REMOVE THE EXISTING 70' BRIDGE WHICH CONSISTS OF A STEEL PONY TRUSS SUPPORTED BY CONCRETE ABUTMENTS. SEE SECTION 213 OF THE STANDARD SPECIFICATIONS.

ALL MATERIAL FROM THE EXISTING BRIDGE SUPERSTRUCTURE SHALL REMAIN THE PROPERTY OF THE COUNTY. ALL MATERIAL FROM THE EXISTING BRIDGE SUBSTRUCTURE SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

LIVE LOAD. 415

- SOILS
- (A) - Moist, Med Stiff, Brown Silty Clay  
(B) - Wet, Med Stiff, Brown Silty  
(C) - Wet, Med Dense, Brown Silty Sand  
(D) - Wet, Loose, Brown Silty Sand  
(E) - Moist, Stiff to Very Stiff, Brown to Mottled Silty Clay with Organic Matter  
(F) - Wet, Med Dense, Mottled to Brown Silty with Organic Matter  
(G) - Med Dense, Mottled Silty to Sandy Organic Matter  
(H) - Moist, Dense, Mottled to Brown Silty Sand  
(I) - Wet, Med Dense, Brown Silty

LAYOUT OF BRIDGE OVER  
FLAG LAKE SLOUGH  
FLAG LAKE SLOUGH BR. & APPRS  
ARKANSAS COUNTY  
ROUTE SEC.  
ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.

DRAWN BY: 4331 DATE: 4 3  
CHECKED BY: 228 DATE: 4/2/77 SCALE: 1" = 1'  
DESIGNED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
BRIDGE NO. 4335 DRAWING NO. 21064



