DATE RECEIVED	DATE PLOTTED	DATE REVISED	DATE PLOTTED	FED. ROAD NO.	STATE	FED. CO. PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		4644	27	77

(1) 5662 - LAYOUT - 20448

For R/W Data - See Rdwy. Plans.

UTILITY NOTE: For relocation and removal of water line, sewer, underground cable, etc. see Rdwy. Plans

Beg. of Bridge Sta. 57+51.00
℄ Deck Elev. 417.85

Total Length of Bridge = 105'-0"
3-35'-0" P.C. Slab Spans

End of Bridge Sta. 58+56.00
℄ Deck Elev. 417.85

ELEVATION
DA = 117 Sq. Mi.
Backwater Controlled by Arkansas & Fourche Rivers.

BORING LOG
A. Med. Firm Brown Sandy Clay & Gravel - Wet
B. Solid Rock - Can't Penetrate.
C. Brown Sandy Clay.
D. Comp. Brown Sandy Clay & Boulders.

HYDRAULICS

FLOOD	STAGE FOR NORMAL W.S.	DISCHARGE
Q100	416.8	6250 cfs.
Q50	416.1	5660 cfs.
Q25	415.2	4850 cfs.
Q10	414.1	3940 cfs.

GENERAL NOTES

BENCH MARK: STANDARD DISC STAMPED C-20-1951, 20 FT. RT. STA. 58+42. ELEV. 418.06.

FOOTINGS SHALL BE SET A MINIMUM OF 1'-6" INTO SHALE. FOUNDATIONS FOR FOOTINGS SHALL BE PREPARED IN ACCORDANCE WITH SECTION 801.04 OF THE STANDARD SPECIFICATIONS.

ALL CONCRETE SHALL BE POURED IN THE DRY.

ALL PILING SHALL BE HP10X42 AND SHALL BE DRIVEN WITH AN APPROVED AIR, STEAM, OR DIESEL HAMMER TO A MINIMUM BEARING CAPACITY OF 55 TONS PER PILE AND INTO THE MATERIAL DESIGNATED AS ROCK (SHALE) ON THE BORING LOGS. 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.

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

FOR DETAILS OF END BENTS, SEE DWG. NO. 20449
FOR DETAILS OF INTERMEDIATE BENTS, SEE DWG. NO. 20450
FOR DETAILS OF 35'-0" R.C. SLAB SPANS, SEE DWG. NO. 20451

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

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1973 WITH INTERIM SPECIFICATIONS.

LIVE LOADING: HS20

METHOD OF DESIGN: SUBSTRUCTURE - LOAD FACTOR
SUPERSTRUCTURE - LOAD FACTOR

DETOUR BRIDGE TO HAVE MINIMUM DECK ELEVATION OF 417.8, LENGTH OF 78'-0", 20 FT. CLEAR ROADWAY AND BE DESIGNED FOR H20 LIVE LOADING.

FOR DETOUR, SEE ROADWAY PLANS.

EXISTING TWO-SPAN I-BEAMS FRINGER BRIDGE AND ABUTMENTS TO BE REMOVED. ALL MATERIAL FROM THE EXISTING STRUCTURE SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

FOUNDATION PRESSURE:
MAXIMUM = 10.35 KSF (GROUP III)
MINIMUM = 3.40 KSF (GROUP III)

LAYOUT OF
BRIDGE OVER MILL CREEK
SOUTH Y ST - CARNALL ST.
SEBASTIAN COUNTY
ROUTE 59 SEC. 8

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: W.W.W. DATE 8-14-75
CHECKED BY: J.G.T. DATE 9-9-76
TRACED BY: D.K.B. DATE 7-16-25
SCALE: 1" = 20'-0"

BRIDGE ENGINEER

BRIDGE NO 5662 DRAWING NO. 20448