

BORING LEGEND

A	Brown Sandy Clay & Gravel
B	Med. Firm Gray Sandy Clay & Gravel (wet)
C	Med. Firm Fine Gray Sand & Gravel
D	Firm Gray Clay & scattered Gravel
E	Firm Coarse Gray Water Bearing Sand
F	Very Firm Blue Clay
G	Very Firm Blue Clay & Gravel

GENERAL NOTES

BENCH MARK - NAIL IN BRIDGE ABUTMENT, LEFT STA. 235+32, ELEV. 120.62.

ALL CONCRETE SHALL BE POURED IN THE DRY.

ALL PILING SHALL BE 16" OCTAGONAL 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' TEST PILE IN BENT NO. 2.

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

FOR DETAILS OF BENTS, SEE DWG. NO. 14935A.

FOR DETAILS OF 28" R.C. SLAB SPANS, SEE DWG. NO. 14934.

FOR DETAILS OF PRECAST CONCRETE PILING, SEE DWG. NO. 2382.

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

DESIGN SPECIFICATIONS: AASHTO 1969

LIVE LOADING: HS20

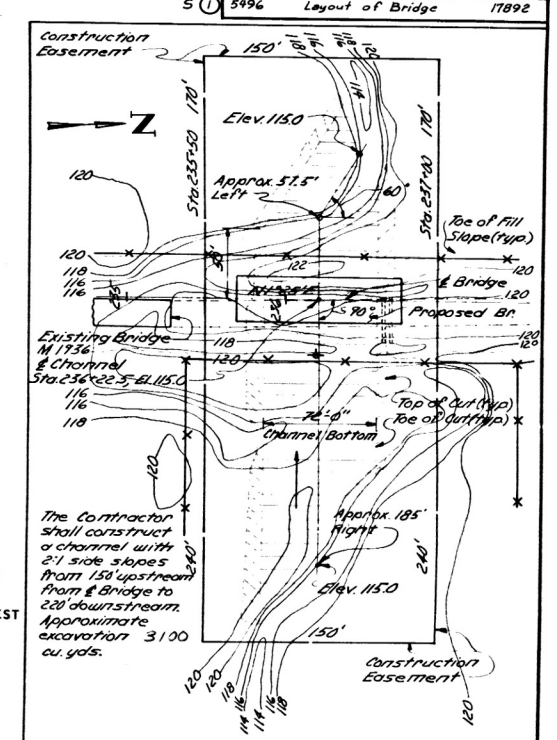
UNIT STRESSES: CLASS 5 CONCRETE (N=10) 1,200 PSI
REINFORCING STEEL 20,000 PSI

Note: Remove the 14' Bridge M1936 which consists of 7' Timber Stringer Spans with Timber deck on Timber Pile Bents.

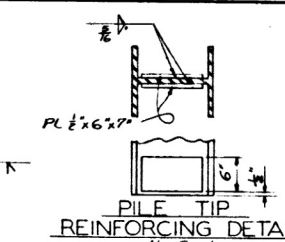
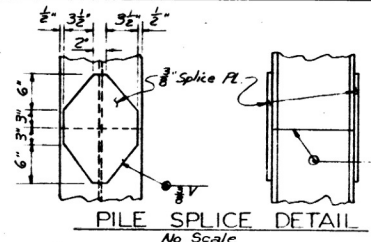
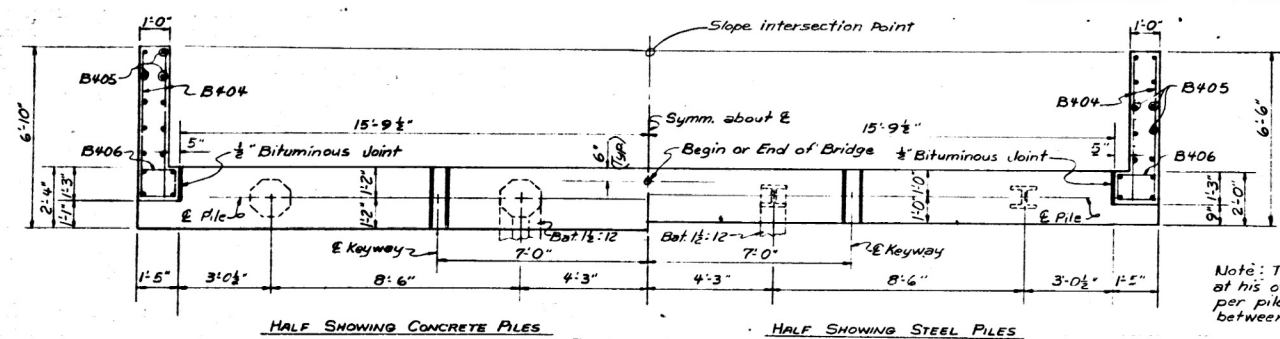
The Contractor shall construct an 80' (minimum) temporary bridge structure approximately 60' downstream from the site of the proposed bridge. Minimum deck elevation 121.3.

All material from the existing bridge shall become the property of the Contractor.

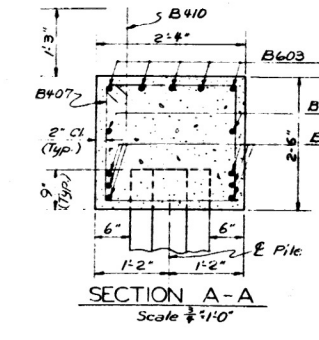
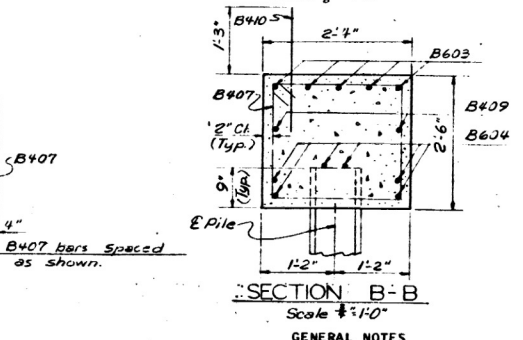
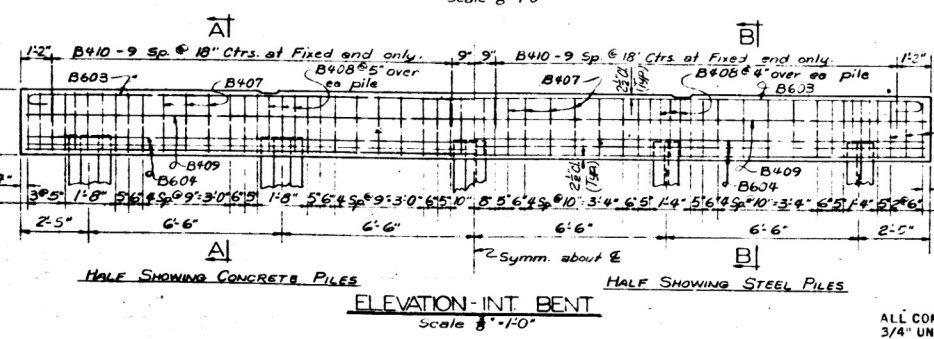
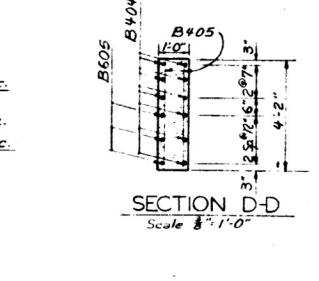
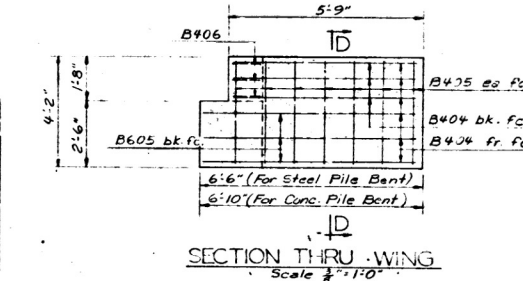
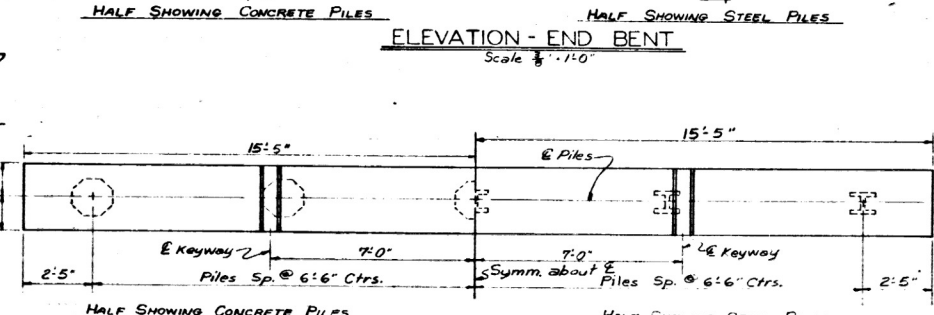
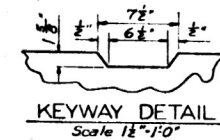
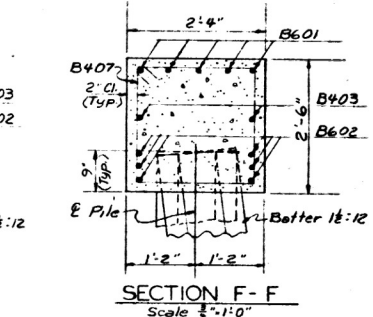
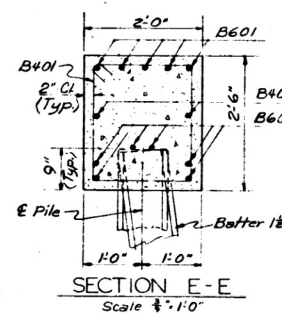
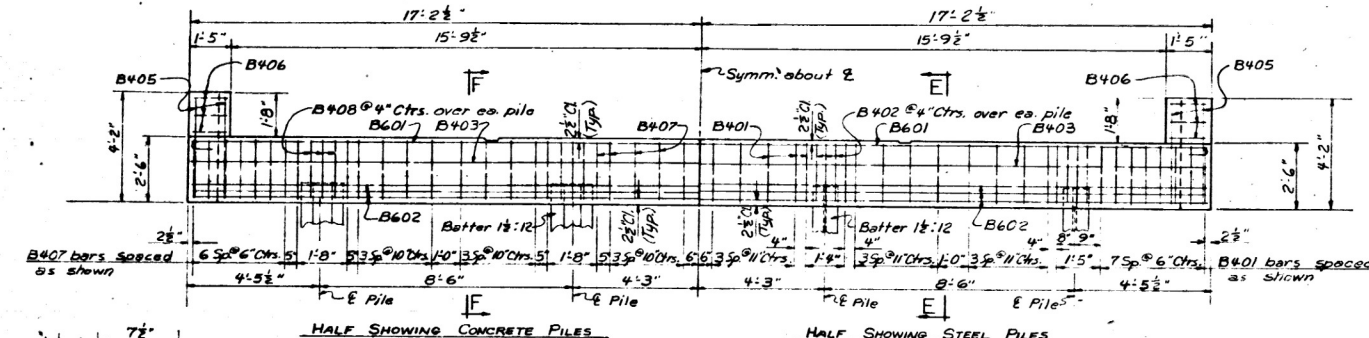
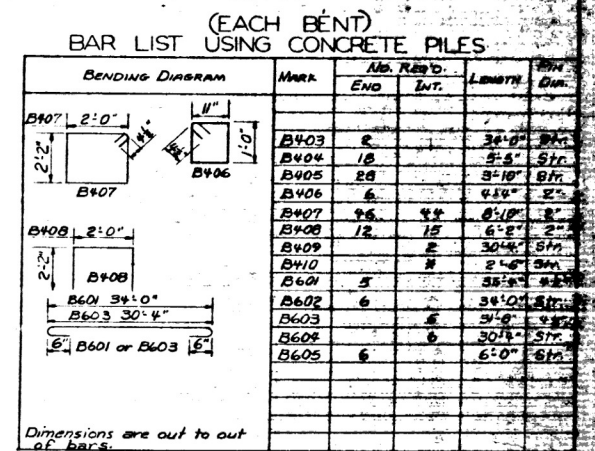
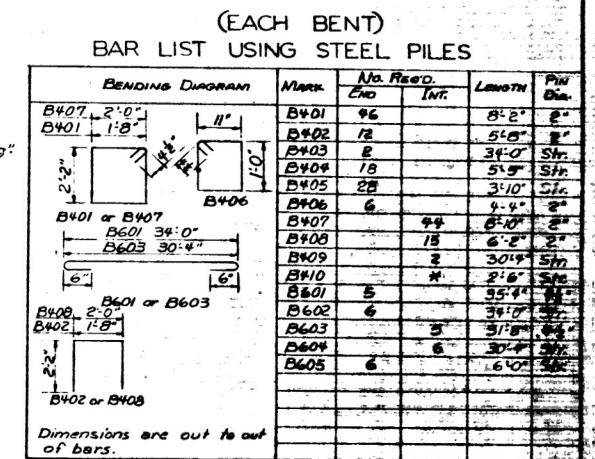
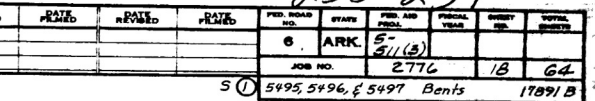
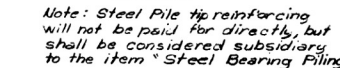
DATE REVISED	DATE FILED	DATE REVISED	DATE FILED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
				6	ARK.	5-1113		15	64
				JOB NO.		5996		Layout of Bridge	
								17892	



LAYOUT OF BRIDGE OVER
BEECH CREEK
FOUNTAIN HILL-SOUTHWEST
BRIDGES & APPROACHES
ASHLEY COUNTY
ROUTE 133 SEC. 2
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DRAWN BY: J.P.S. DATE: 8-28-72
CHECKED BY: E.H. DATE: 1-7-73
BRIDGE NO. 5496 DRAWING NO. 17892



Note: The Contractor may for his convenience and at his own expense provide as many as three splices per pile for Steel Bearing Piling. Minimum spacing between splices shall be 5 feet.

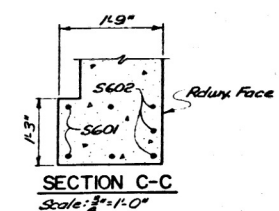
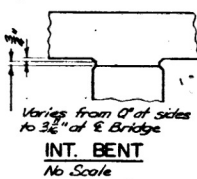
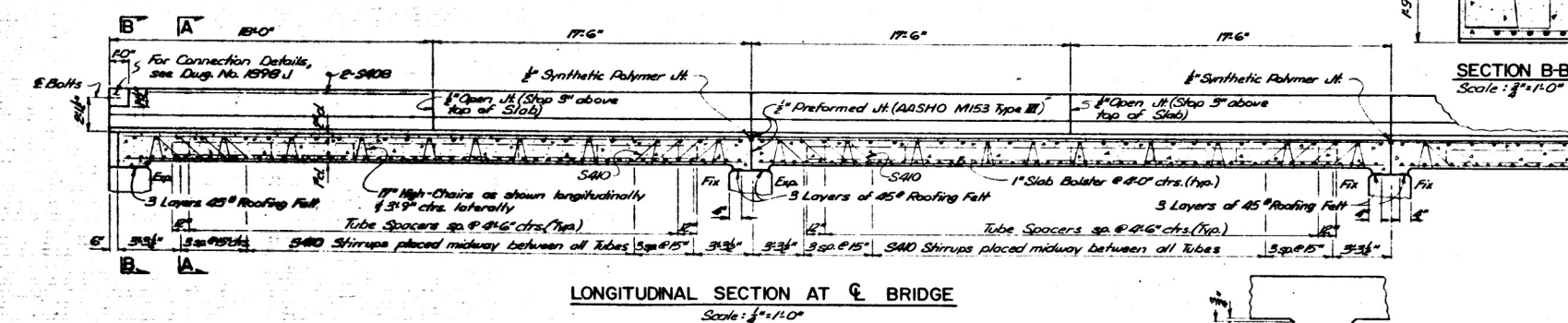
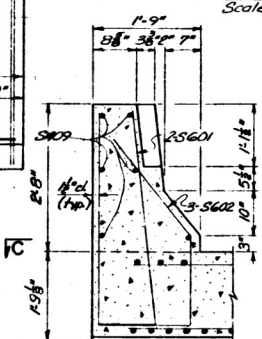
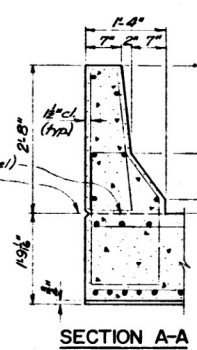
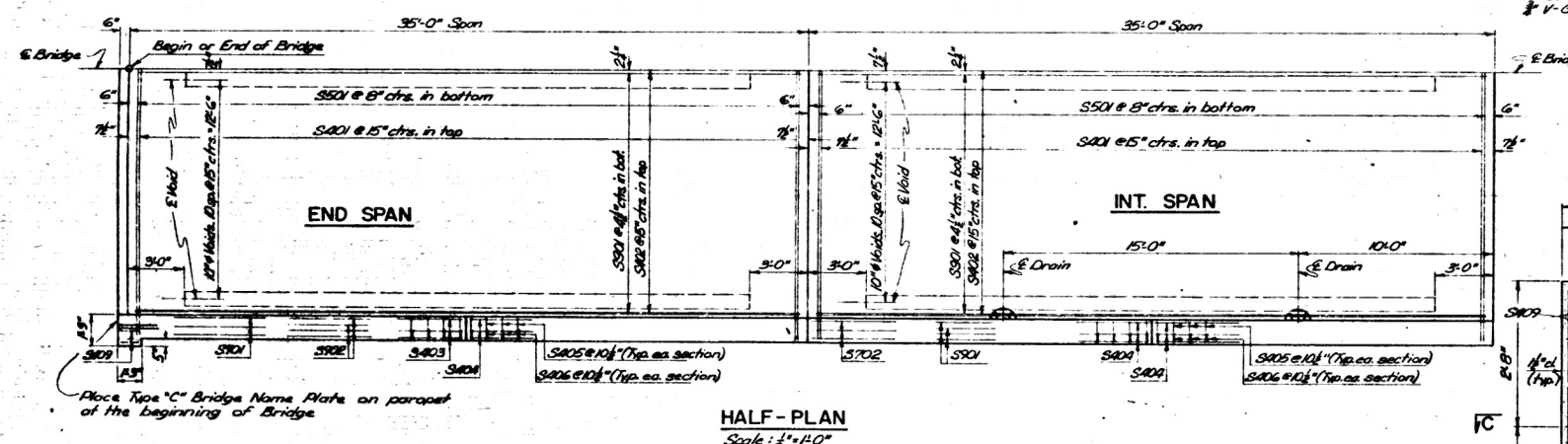
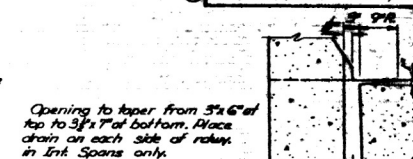
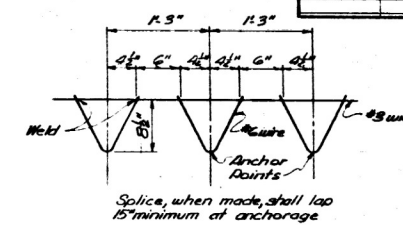
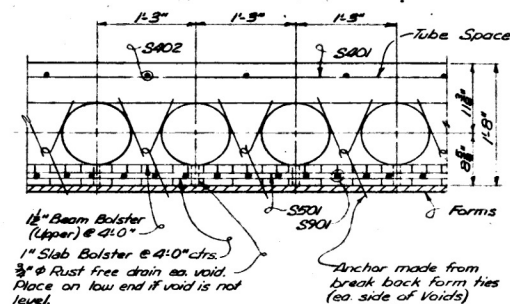
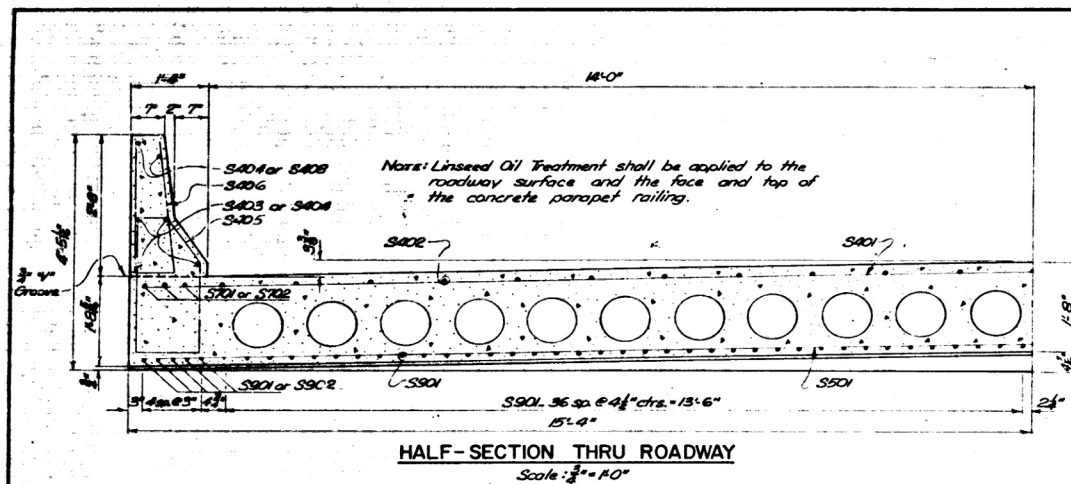


ALL CONCRETE SHALL BE CLASS "S" AND SHALL BE POURED IN THE DRY. ALL EXPOSED CORNERS CHAMFERED 3/4" UNLESS OTHERWISE NOTED.

REINFORCING STEEL SHALL BE DEFORMED BARS OF ASTM A615, GRADE 40. SHOP LISTS AND BENDING DIAGRAMS MUST BE SUBMITTED FOR APPROVAL BEFORE FABRICATION IS BEGUN.

ALL PILING SHALL BE 16" OCTAGONAL PRECAST CONCRETE OR HPI042 STEEL BEARING PILES. SEE LAYOUT FOR REQUIRED BEARING CAPACITY.

Ursel Pinkerton
BRIDGE ENGINEER



MARK	NO. REC'D.		LENGTH	P.W.
	END	INT.		
S901	28	28	30'-3"	SH
S902	23	23	30'-7"	SH
S903	8		17'-7"	SH
S904	12	24	17'-4"	SH
S905	78	80	7'-5"	2
S906	79	80	5'-5"	2
S908	4		16'-8"	SH
S909	10		0'-11"	SH
S910	16.8		9'-4"	2
S901	52	52	30'-5"	SH
S901	4		8'-7"	3 1/2
S902	6		5'-10"	3 1/2
S901	6		35'-1"	SH
S902		6	34'-7"	SH
S901	70	84	34'-7"	SH
S902	10		35'-1"	SH

GENERAL NOTES:

ALL CONCRETE TO BE CLASS S. ALL EXPOSED CORNERS
TO BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.

REINFORCING STEEL TO BE DEFORMED BARS OF ASTM A615, GRADE 40 STEEL. SHOP LISTS AND BENDING DIAGRAM MUST BE SUBMITTED AND APPROVAL SECURED BEFORE FABRICATION IS BEGUN.

ALL CYLINDRICAL TUBES USED TO FORM VOIDS SHALL BE OF MOISTURE PROTECTED, LAMINATED TYPE CONSTRUCTION MINIMUM THICKNESS 0.200, AND SHALL BE FURNISHED COMPLETELY UNCOATED.

ALL REINFORCING STEEL AND FIBER TUBES SHALL BE ACCURATELY LOCATED IN THE FORMS AND FIRMLY HELD IN PLACE BY BEAMS OF STEEL WIRE SUPPORTS AND SPACERS FOR TUBES OF A SUFFICIENT NUMBER AND SIZE TO PREVENT DISPLACEMENT DURING THE COURSE OF CONSTRUCTION, BUT IN NO CASE OF LESSER DESIGN AS

WIRE SUPPORTS FOR REINFORCING BARS WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO THE ITEM "REINFORCING STEEL". TUBES FOR FORMING Voids AND WIRE SUPPORTS AND SPACERS FOR TUBES WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED SUBSIDIARY TO THE ITEM "CLASS 5 CONCRETE".

SHOP LISTS AND DIAGRAMS OF WIRE SUPPORTS AND SPACERS FOR TUBES SHALL BE SUBMITTED FOR APPROVAL BEFORE FABRICATION IS BEGUN. ROOFING FELT, PREPARED EXPANSION JOINT AND SYNTHETIC POLYMER JOINTS SHALL BE MEASURED AND PAID FOR AS CLASS 5 CONCRETE

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

DESIGN SPECIFICATIONS: AASHTO 1969
DESIGN LIVE LOADING: HS20
LOAD DISTRIBUTION TO SLAB: BEAM LOAD - 20K
LIVE LOAD: 8.166 WHEELS/FT OF WIDTH PLUS

UNIT STRESSES:
CLASS 5 CONCRETE (f_c) 1,200 PSI
REINFORCING STEEL 20,000 PSI

DETAILS OF STANDARD
35'-0" R.C. SLAB SPAN
28' CL. RDWY. - CONCRETE PARAPET RAIL
ROUTE SEC.

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: K.M.G. DATE: 14 Aug 72

TRACED BY: _____ DATE: _____ SCALE: AS NOTED
 CHECKED BY: C.F.S. DATE: 28 AUG 72

BRIDGE NO. 5495, 5496, & DRAWING NO. 10234

BRIDGE NO. 5497 DRAWING NO. 4934

Files as Drawing No. 17891A