

DATE REVISED	DATE PLATE	DATE REVIEWED	DATE CLOSED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				NO. NO.		10734	14	49
				5725	STD. BENT	21331		

BAR LIST - PER BENT

MARK	NO. REQ'D		LENGTH	A	B	PIN DIA.	BENDING DIAGRAMS
	END BT	INT BT					
B401	32	-	3'-10"	-	-	Str.	
B402	2	-	7'-0"	5'-9"	1'-4"	2"	
B403	3	-	8'-11"	5'-9"	3'-3"	2"	
B404	2	-	7'-3"	6'-8"	8"	2"	
B405	3	-	9'-2"	6'-8"	2'-7"	2"	
B406	2	-	5'-0"	3'-9"	1'-4"	2"	
B407	3	-	6'-11"	3'-9"	3'-3"	2"	
B408	2	-	5'-3"	4'-8"	8"	2"	
B409	3	-	7'-2"	4'-8"	2'-7"	2"	
B410	53	52	9'-2"	2'-0"	2'-2"	2"	
B411	18	27	6'-2"	2'-0"	2'-2"	2"	
B412	4	-	25'-2"	-	-	Str.	
B415	-	4	23'-11"	-	-	Str.	
B416	-	-	2'-6"	-	-	Str.	
B417	10	-	2'-3"	1'-6"	1'-4"	2"	
B601	5	-	50'-0"	48'-8"	6"	4 1/2"	
B602	6	-	46'-8"	-	-	Str.	
B603	-	5	47'-6"	46'-2"	6"	4 1/2"	
B604	-	6	46'-2"	-	-	Str.	

B601 & B603

Dimensions are out to out of B...

* 31 Fix - Exp. BENT
42 Fix - Fix BENT

GENERAL NOTES

ALL CONCRETE TO BE CLASS 'S' AND SHALL BE POURED IN THE DRY. ALL EXPOSED CORNERS TO BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.
REINFORCING STEEL TO BE ASTM A615 OR A617, GRADE 60.
ALL PILING SHALL BE 16" OCTAGONAL OR 16" SQUARE PRECAST CONCRETE AND SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 44 TONS PER PILE.
PILES IN END BENTS SHALL BE DRIVEN AFTER EMBANKMENT TO BOTTOM OF BENT CAP IS IN PLACE.
LIVE LOADING: HS20
UNIT STRESSES: f_c = COMPRESSIVE STRENGTH OF CLASS 'S' CONCRETE = 3500 PSI.
 f_y = YIELD STRENGTH OF REINFORCING STEEL = 60,000 PSI.
METHOD OF DESIGN: LOAD FACTOR
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 EDITION, AND INTERIM SPECIFICATIONS (1974 thru 1977).

QUANTITIES

Bent Type	Class S Concrete	Reinforcing Steel
End Bent	12.28 yd ³	1478 lb
Int Bent (Fix-Exp)	9.64 yd ³	1315 lb
Int Bent (Fix-Fix)	9.64 yd ³	1370 lb

DETAILS OF STANDARD PILE BENTS
35'-0" R.C. SLAB SPANS
40'-0" CL. RDWY. 20° SKEW (LT. FWD.)
CONCRETE PARAPET RAIL
ROUTE 25 SEC. 7

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: TEB DATE: 7-11-77
CHECKED BY: J.M. DATE: 7-25-77
DESIGNED BY: J.M. DATE: 7-77

BRIDGE NO. 5725 DRAWING NO. 21331



