

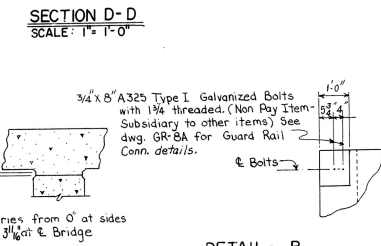
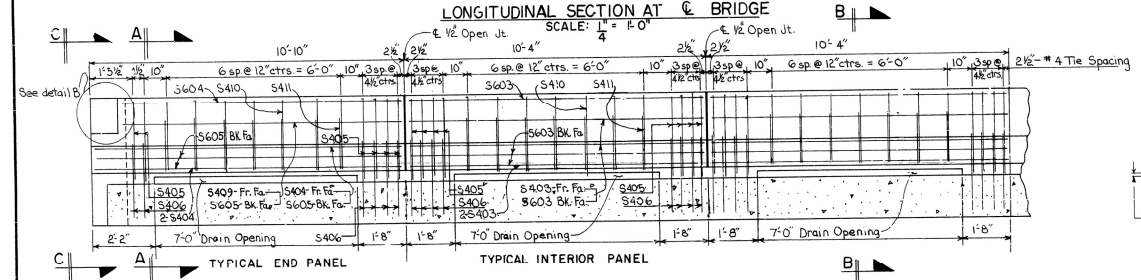
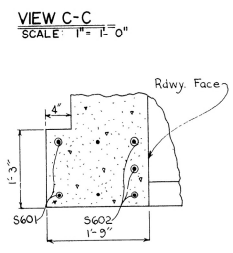
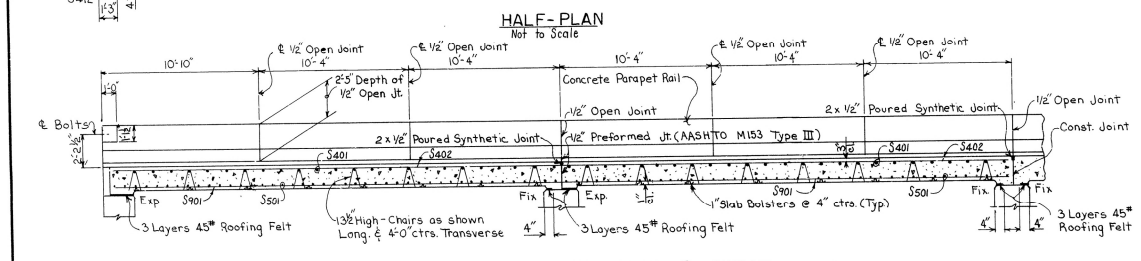
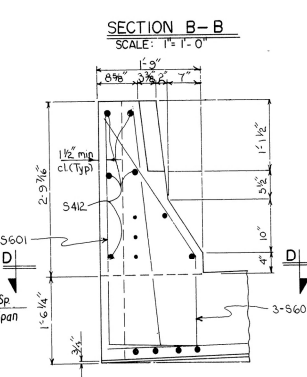
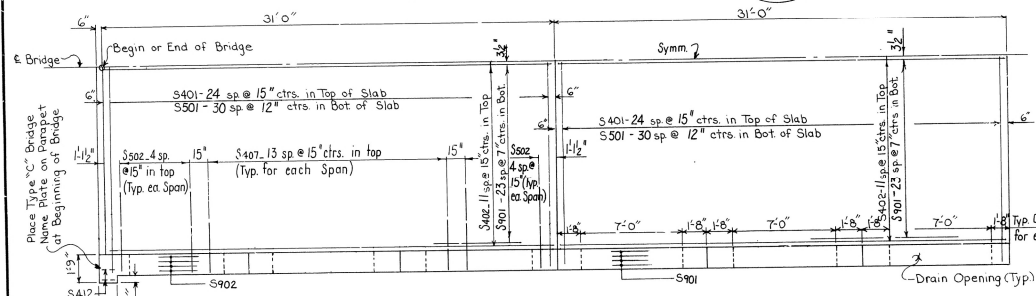
### BAR LIST - EA SPAN

MARK	NO.	REQ'D	LENGTH	PIN DIA.
	END	INT.		
S401	25	25	31'-6"	3"
S402	23	23	30'-8"	Str
S403	16	24	9'-10"	Str
S404	6	—	10'-4"	Str
S405	44	48	6'-10"	2"
S406	44	48	7'-6"	2"
S407	28	20	3'-3"	Str
S501	31	31	30'-6"	Str
S409	2	—	9'-5"	Str
S410	42	42	6'-4"	2"
S411	42	42	3'-2"	2"
S412	10	—	0'-11"	Str.
S601	4	—	8'-1"	3/4"
S602	6	—	4'-7"	3/4"
S603	20	30	9'-10"	Str
S604	2	—	9'-5"	Str
S605	8	—	10'-4"	Str
S401	48	56	30'-8"	Str
S402	8	—	31'-2"	Str
S502	20	20	5'-11"	3/4"

### BENDING DIAGRAM

Dimensions are into to out of Bars

ALL CONCRETE TO BE CLASS (S4E). ALL EXPOSED CORNERS TO BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.  
REINFORCING STEEL TO BE ASTM A615 GR A617, GR. 60.  
BAR SUPPORTS FOR REINFORCING BARS WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO THE ITEM "REINFORCING STEEL". SHOP LISTS AND BENDING DIAGRAMS TO BE FURNISHED FOR CONCRETE, INCLUDING WIRE SUPPORT, MAY BE SUBMITTED FOR APPROVAL BEFORE FABRICATION IS BEGUN.  
ROOFING FELT, BITUMINOUS FELT, PREFORMED JOINT, STRUCTURAL STEEL, AND POURED SYNTHETIC POLYMER JOINTS SHALL BE MEASURED AND PAID FOR AS CLASS (S4E) CONCRETE.  
SPECIFICATIONS: ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 1978 AND APPLICABLE SPECIAL PROVISIONS.  
DESIGN SPECIFICATIONS: AASHTO 1993 WITH CURRENT INTERIM SPECIFICATIONS.  
DESIGN LIVE LOADING: HS 20-44  
LOAD DISTRIBUTION TO SLAB- DEAD LOAD - 265 PSF; LIVE LOAD - 0.172 WHEELS/FT. OF WIDTH PLUS 30% IMPACT.  
COMPRESSIVE STRENGTH OF CLASS (S4E) CONCRETE,  $f'_c = 3,300$  PSI  
YIELD STRENGTH OF REINFORCEMENT = 60,000 PSI  
LOAD FACTOR USED FOR DESIGN OF SLAB.



SPAN	REINFORCING	CLASS 5 CONCRETE	STRUCTURAL STEEL
End	9411 lbs.	58.05 Cu yds	282 lbs
Int.	9333 lb	57.60 Cu yds	282 lbs

ALTERNATE NO. 1

DETAILS OF STANDARD  
31'-0" R.C. SLAB SPAN  
28 ± 0" CL. RDWY. CONC. PARAPET RAIL

ROUTE 273 SEC. 1

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: MRJ DATE: 1 JUNE 64  
CHECKED BY: JED DATE: 5 JUNE 64  
DESIGNED BY: JED DATE: SCALE: AS SHOWN

BRIDGE NO. 6147, 6148 DRAWING NO. 27665

DRAWN BY: MRJ DATE: 4 JUNE 84  
CHECKED BY: MJC DATE: 6-25-84 SCALE: AS SHOWN  
DESIGNED BY: Std DATE: \_\_\_\_\_  
**BRIDGE NO. 6147, 6148** **DRAWING NO. 27665**