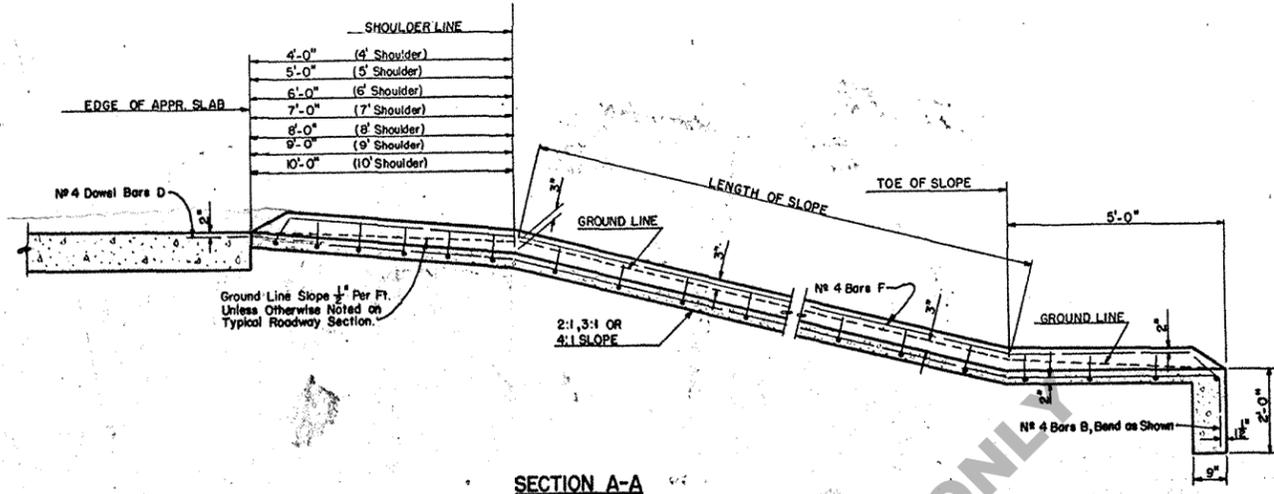
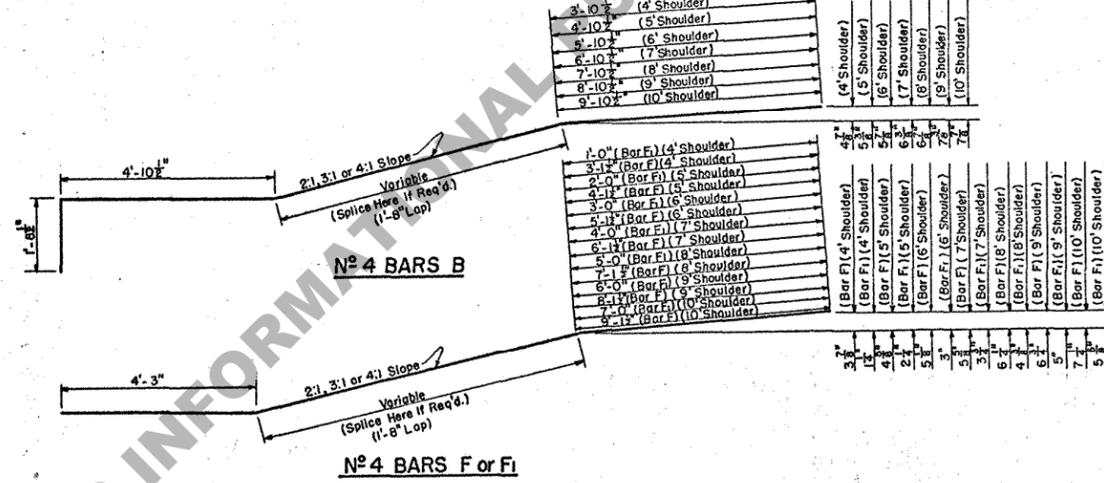
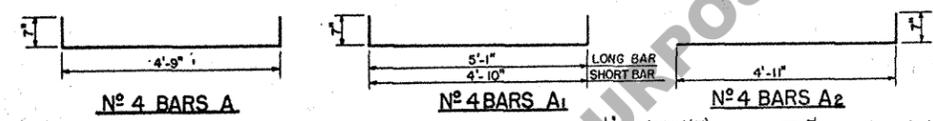


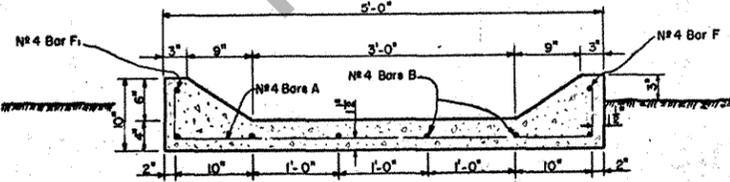
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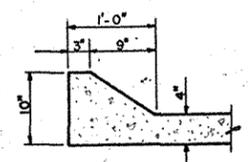
SECTION A-A



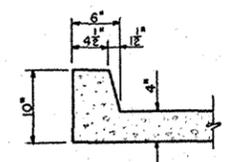
SECTION B-B



SECTION B-B



SECTION D-D
SHOWING NORMAL CURB SECTION



SECTION C-C
SHOWING CURB SECTION AT END OF BRIDGE FLARE

ESTIMATED QUANTITIES	
4' SHOULDER	
CLASS A CONCRETE FROM EDGE OF APPROACH SLAB TO SHOULDER LINE	= 0.32 CU. YDS.
" " " PER FOOT OF SLOPE	= 0.085 CU. YDS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 0.65 CU. YDS.
DEFORMED REINFORCING STEEL FROM EDGE OF APPR. SLAB TO SHOULDER LINE	= 40 LBS.
" " " PER FOOT OF SLOPE	= 7.97 LBS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 48 LBS.
5' SHOULDER	
CLASS A CONCRETE FROM EDGE OF APPR. SLAB TO SHOULDER LINE	= 0.41 CU. YDS.
" " " PER FOOT OF SLOPE	= 0.085 CU. YDS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 0.65 CU. YDS.
DEFORMED REINF. STEEL FROM EDGE OF APPR. SLAB TO SHOULDER LINE	= 49 LBS.
" " " PER FOOT OF SLOPE	= 7.97 LBS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 48 LBS.
6' SHOULDER	
CLASS A CONCRETE FROM EDGE OF APPR. SLAB TO SHOULDER LINE	= 0.49 CU. YDS.
" " " PER FOOT OF SLOPE	= 0.085 CU. YDS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 0.65 CU. YDS.
DEFORMED REINF. STEEL FROM EDGE OF APPR. SLAB TO SHOULDER LINE	= 58 LBS.
" " " PER FOOT OF SLOPE	= 7.97 LBS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 48 LBS.
7' SHOULDER	
CLASS A CONCRETE FROM EDGE OF APPR. SLAB TO SHOULDER LINE	= 0.58 CU. YDS.
" " " PER FOOT OF SLOPE	= 0.085 CU. YDS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 0.65 CU. YDS.
DEFORMED REINF. STEEL FROM EDGE OF APPR. SLAB TO SHOULDER LINE	= 68 LBS.
" " " PER FOOT OF SLOPE	= 7.97 LBS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 48 LBS.
8' SHOULDER	
CLASS A CONCRETE FROM EDGE OF APPR. SLAB TO SHOULDER LINE	= 0.66 CU. YDS.
" " " PER FOOT OF SLOPE	= 0.085 CU. YDS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 0.65 CU. YDS.
DEFORMED REIF. STEEL FROM EDGE OF APPR. SLAB TO SHOULDER LINE	= 77 LBS.
" " " PER FOOT OF SLOPE	= 7.97 LBS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 48 LBS.
9' SHOULDER	
CLASS A CONCRETE FROM EDGE OF APPR. SLAB TO SHOULDER LINE	= 0.75 CU. YDS.
" " " PER FOOT OF SLOPE	= 0.085 CU. YDS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 0.65 CU. YDS.
DEFORMED REINF. STEEL FROM EDGE OF APPR. SLAB TO SHOULDER LINE	= 86 LBS.
" " " PER FOOT OF SLOPE	= 7.97 LBS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 48 LBS.
10' SHOULDER	
CLASS A CONCRETE FROM EDGE OF APPR. SLAB TO SHOULDER LINE	= 0.83 CU. YDS.
" " " PER FOOT OF SLOPE	= 0.085 CU. YDS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 0.65 CU. YDS.
DEFORMED REINF. STEEL FROM EDGE OF APPR. SLAB TO SHOULDER LINE	= 95 LBS.
" " " PER FOOT OF SLOPE	= 7.97 LBS.
" " " FROM TOE OF SLOPE TO END OF DRAIN	= 48 LBS.

GENERAL NOTES
 Construction Specs. Latest Approved La. Dept. of Hwys. Specs.
 Dimensions Relating to Reinforcing Steel are to Bar Centers.
 Concrete to be Class A.
 Chamfer Exposed Corners 3/4".

DATE	DESCRIPTION	BY
4-12-60	SPACING OF BARS A	RWD/HK
12-7-59	GROUND LINE SLOPE ON SHOULDER REVISED	WAK/EP
8-1-58	RETRACED	SP/HK
11-18-57	DIM. AT BRIDGE END	RW/ACWP
7-28-55	ADDED 5', 7', 9' SHOULDER	W/E.C.
5-20-55	REDETAILED A RETRACED	RDL/E.C.
3-29-55	GROUND LINE SLOPE ON	R.D.L.
9-25-51	CHANGES FOR NEW APPR. SLAB	A.J.L./C.E.

STANDARD PLAN
CONCRETE SHOULDER DRAINS
 AT
 BRIDGE ENDS

DESIGNED *Wosson* CHECKED *Loup* TRACED *Wosson* CHECKED *Montealegre*

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

BRIDGE DESIGN SECTION