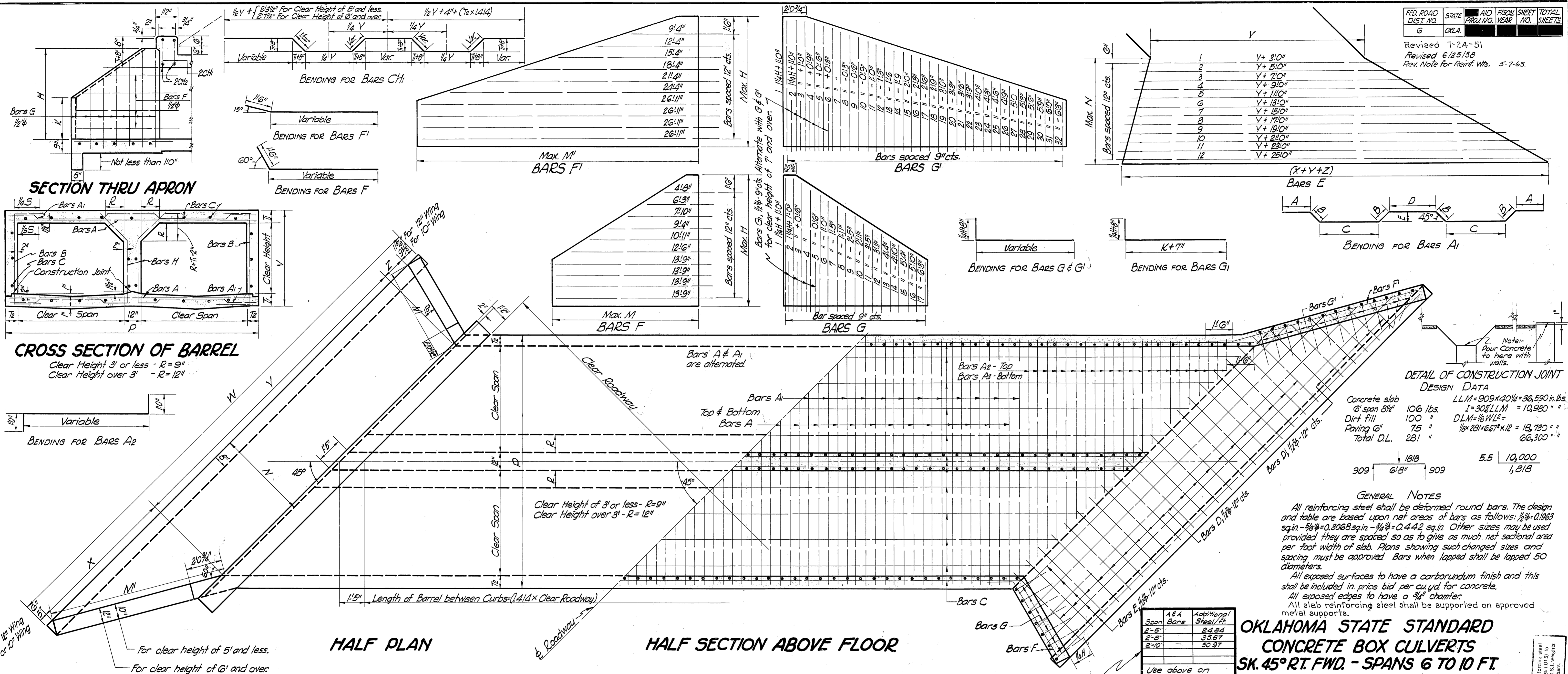


FED. ROAD DIST. NO.	STATE	AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
G	OKLA.				

Revised 7-24-51
 Revised 6/25/58
 Rev. Note for Reinf. Ws. - 5-7-63.



**OKLAHOMA STATE STANDARD
 CONCRETE BOX CULVERTS
 SK. 45° RT. FWD. - SPANS 6 TO 10 FT.
 FOR FILLS NOT OVER 3 FT.**

DESIGN NO.	WATERWAY	BARREL OF CULVERT															TWO WINGS AND ONE APRON															TWO CURBS															TOTAL QUANTITIES		DESIGN NO.								
		DIMENSIONS					REINFORCING STEEL					QUANTITIES					DIMENSIONS					REINFORCING STEEL					QUANTITIES					Steel Lbs.	Concrete Cu. Yds.																								
		Ti	Tz	V	P	Area of Opening	Size and Spacing	A	A1	BENDING	Size and Spacing	A2	A3	BARS B BENT	BARS C	BARS H	Length	Steel per lin. Ft.	Concrete per Cu. Yd.	H	K	M	N	W	X	Y	Z	BARS D	BARS D'	BARS E	BARS F			BARS F'	BARS G	BARS G'	BARS G''	Length	Steel Lbs.	Concrete Cu. Yds.	Steel Lbs.	Concrete Cu. Yds.															
1	2'0"	24	8 1/2"	6"	3'5"	14'0"	5/8x6-18"	13'8"	14'3"	10 1/2"	6/4"	3'7"	2'8"	4 1/2"	5/8x6-18"	4.4	18'0 1/2 31"	13'0 1/2 17"	12'8-9"	6'7"	12'8-18"	2'6"	12'8-9"	3'7"	69.88	0.903	3'0 1/2"	11'11"	2'10 1/2"	5'1'6"	2'9"	25'11 1/2"	4'9 1/2"	18'4 1/2"	0'10 1/2"	1'9"	3'2"	5	20'8 1/2 18"	3	2	2'2"	1	2'10"	2	8'6"	4	144	250	240'0"	19'9"	1'85	1'78	0.62	4654	48.88	1

Drawn By: D.S. Marshall - Mar. 1950
 Checked By: H.B. Shelton - Jan. 1951
 Checked By: Bailey & Coyle - Oct. 1951
 Checked By: Blackford

Quantities shown for reinforcing steel are based upon net areas of bars as shown on drawings. Weights are based upon 156 lbs. per cu. yd. for concrete and 4.9 lbs. per foot for reinforcing bars.