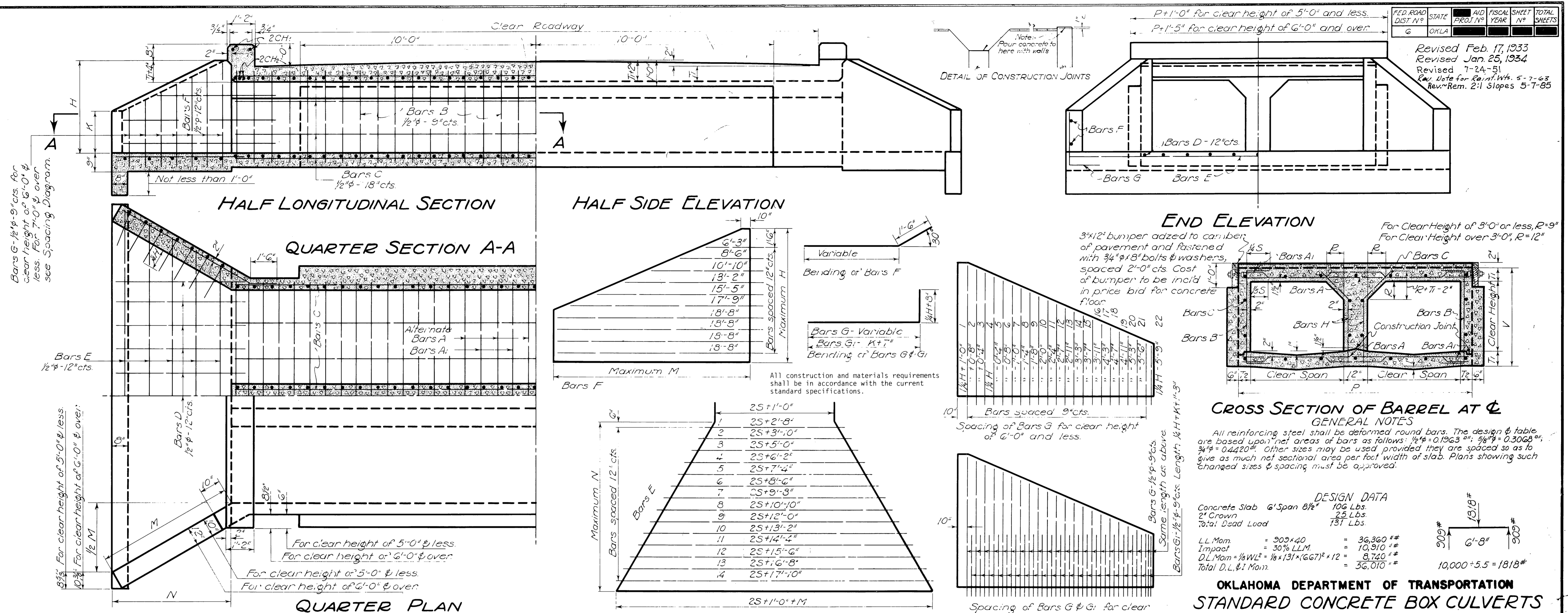


FED. ROAD DIST. NO.	STATE	AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA				

Revised Feb. 17, 1933
Revised Jan. 25, 1934
Revised 7-24-51
Rev. Note for Reinf. Wks. 5-7-63
Rev. Rem. 2:1 Slopes 5-7-85



Unless otherwise specified, all exposed concrete surfaces shall have a finish in accordance with the current standard specifications.

Note: All slab reinforcing steel shall be supported by approved metal supports.

*Note: The weight of the CH₁ & CH₂ Bars is included in the weight of the TOTAL QUANTITIES for 30' & 36' Rdway.

CROSS SECTION OF BARREL AT Q

GENERAL NOTES

All reinforcing steel shall be deformed round bars. The design & table are based upon net areas of bars as follows: $\frac{1}{2}\phi = 0.1963 \text{ in}^2$; $\frac{3}{8}\phi = 0.3068 \text{ in}^2$; $\frac{3}{4}\phi = 0.4420 \text{ in}^2$. Other sizes may be used provided they are spaced so as to give as much net sectional area per foot width of slab. Plans showing such changed sizes & spacing must be approved.

DESIGN DATA

Concrete Slab	6' Span	8 1/2"	106 Lbs.
2" Crown			23 Lbs.
Total Dead Load			131 Lbs.
LL Mom.	= 909 x 40		= 36,360 #'
Impact	= 30% LLM		= 10,910 #'
D.L. Mom = 1/8 WL ²	= 1/8 x 131 x (6.67) ² x 12		= 8,740 #'
Total D.L. & I Mom.			= 56,010 #'

10,000 ÷ 5.5 = 1818 #'

OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD CONCRETE BOX CULVERTS SPANS 6' TO 10' FOR FINISHED GRADE

DESIGN NO.	Clear Span	Clear Height	Area of Opening	BARREL OF CULVERT										TWO WINGS & ONE APRON										TOTAL QUANTITIES						DESIGN NO.	TWO CURBS																					
				DIMENSIONS				REINFORCING STEEL						QUANTITIES				DIMENSIONS						REINFORCING STEEL							QUANTITIES						Reinf. Steel same size as A Bars															
				T ₁	T ₂	V	P	BARS A		BARS A1		BARS B		BARS C		BARS H		Steel Lbs. per Lin. Ft.	Class A Concrete C.Y. per Lin. Ft.	Class A Concrete Cu. Yds. per Lin. Ft.	H	K	M	N	BARS D		BARS E		BARS F		BARS G		BARS G1		Class AA Concrete in Two Curbs		Class A Concrete in Two Apron Slab Seams		Reinf. Steel		Class A Concrete		Class A Concrete									
								Size & Spacing	Length	Size & Spacing	Length	Size & Spacing	Length	Size & Spacing	No.	Size & Spacing	Length								No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
1	2'-0"	24.0	8 1/2' x 6'	3'-5"	14'-0"	13'-4"	13'-0"	3'-7"	13'-8"	14'-3"	1'-2"	6'-4"	3'-7"	2'-8"	4 1/2"	6'-1"	1/2" x 18'	26	1/2" x 9'	3'-7"	8983	536	425	3'-0"	1'-6"	4'-5"	3'-10"	15	4'-3"	4	2	6'-3"	2	7'-4"	14	138	248	122	466	1.91	3271	2495	1470	3810	2817	1725	1	14'-8"	13'-3"			

DESIGNED BY HXW & DIM
DRAWN BY FRC
CHECKED BY H.B.S.

Note: All exposed edges shall have a 1/4" chamfer.