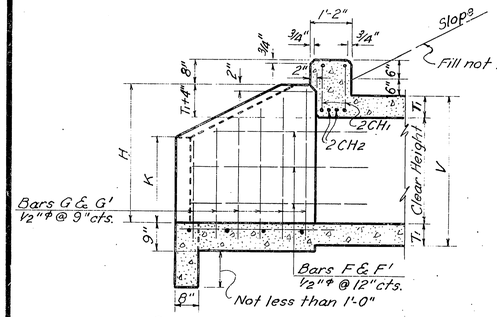
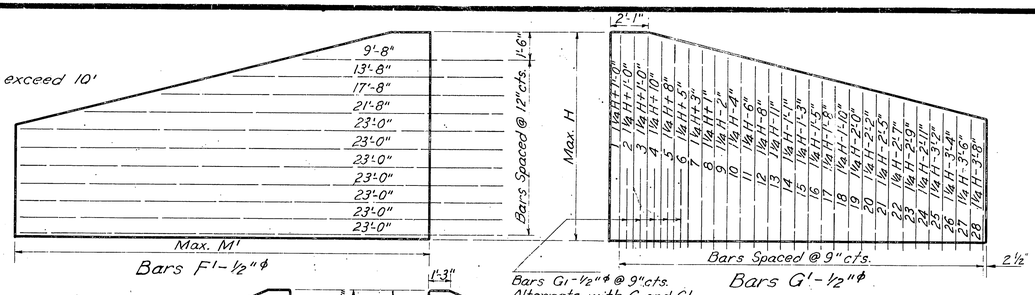
FED. ROAD DIST. NO.	STATE	AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

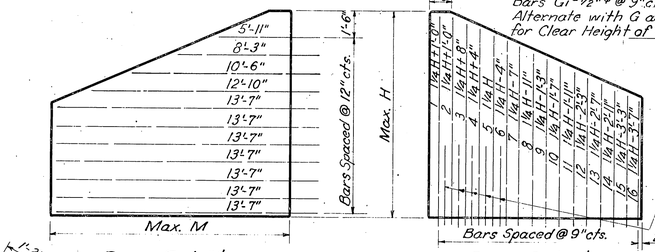
Rev. 6/25/58
Rev. 11-17-61
Rev. Note for Reinf Wts. 5-7-63
Rev. ~ Rem. 2:1 Slope 5-7-85

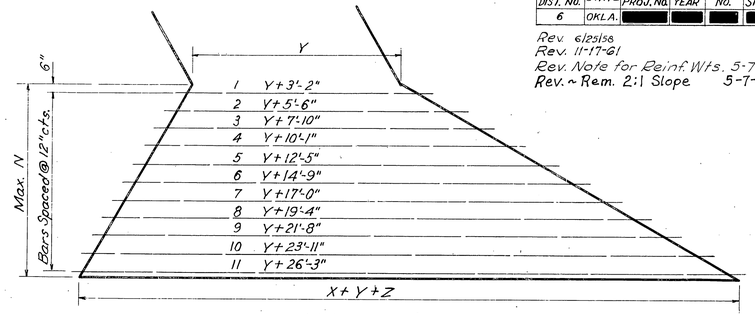


SECTION THRU APRON

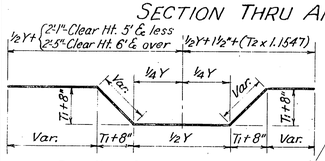


Bars G1-1/2"ϕ @ 9" cts.
Alternate with G and G' for Clear Height of 7'-0" and over.

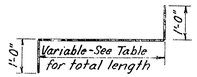




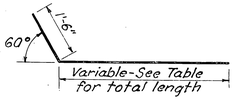
Bars E-1/2"ϕ



Bending for Bars CH1

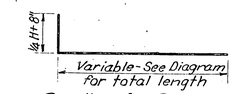


Bending for Bars A1

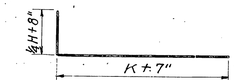


Bending for Bars F'

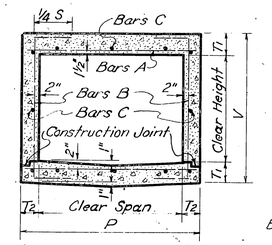
Bending for Bars F



Bending for Bars G & G'

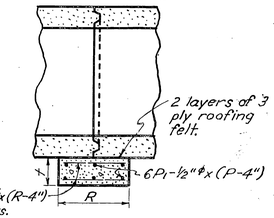


Bending for Bars G1

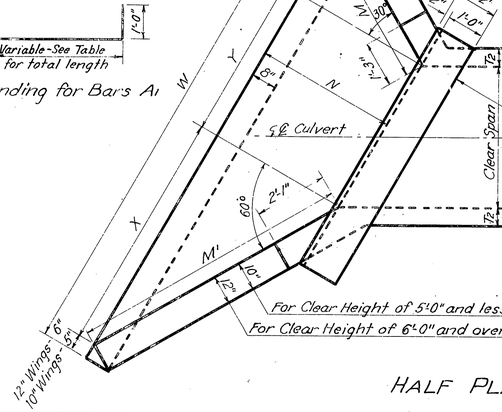


SECTION THRU BARREL

Size of Barrel	R	t
2'x2' to 4'x4'	2'-0"	9"
5'x2' to 6'x6'	2'-6"	9"
8'x3' to 10'x10'	3'-0"	1'-0"



DETAILS OF PEDESTAL

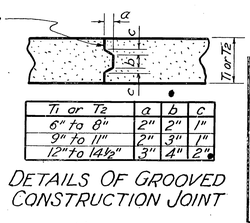


HALF PLAN

HALF SECTION ABOVE FLOOR

Design Data:
Design is sufficient for H20-S16-53 and PPM 20-4 Loading

Joint to be painted with a coat of bitrminous material.



T1 or T2	a	b	c
6" to 8"	2"	2"	1"
9" to 11"	2"	3"	1"
12" to 14 1/2"	3"	4"	2"

Quantities shown for reinforcing steel shall be re-used by Texas (0.15) to comply with Buy-American Act, Sec. 165 for reinforcing bars.

DETAILS OF GROOVED CONSTRUCTION JOINT

NOTE: Quantities for 50' Roadway do not include Pedestal quantities.
Grooved Construction Joints and Pedestals shall be used when and where noted on Summary Sheet.
In general, Grooved Construction Joints and Pedestals shall be placed as follows:
60' to 100' of Barrel use 1 Constr. Joint and Pedestal.
100' to 140' of Barrel use 2 Constr. Joint and Pedestal.
140' to 180' of Barrel use 3 Constr. Joint and Pedestal.
The Grooved Construction Joints and Pedestal shall be constructed perpendicular to ℄ of Barrel.
Design is sufficient for H-20-S16-53 and PPM 20-4 Loading.

GENERAL NOTES:-

All reinforcing steel shall be deformed round bars. The design and table are based upon net areas of bars as follows; 1/2"ϕ = 0.1963 sq. in., 5/8"ϕ = 0.3068 sq. in., 3/4"ϕ = 0.442 sq. in. 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 and spacing must be approved. When necessary, reinforcing bars shall be lapped 40 diameters. Total quantities for 50' Rdy. include lap of 1'-8" on C bars.

All exposed concrete surfaces shall have a carborundum finish and this shall be included in the unit price bid per Cu. Yd. for Concrete.

All exposed concrete edges shall have a 3/4" chamfer.

DESIGN DATA: Dead Load 1,000 Lbs
Live Load None
Impact None

OKLAHOMA
STATE HIGHWAY COMMISSION
STANDARD
CONCRETE BOX CULVERTS
SKEWED 60°
SPANS 2 TO 10 FEET
FOR FILLS 3 TO 10 FEET

35

B.C.-6S.R.P. 4

Sheet No.

Designed by M. W. Herfey & W. Jones
Supervised by H. X. White & D. I. McCullough
Detailed by C. H. D. April 1941
Traced by E. M. A. May 1941
Checked by G. L. M. "

| DESIGN NO. | WATERWAY | BARREL OF CULVERT | | | | | | | | | | | | | | | | | | | | | | TWO WINGS AND ONE APRON | | | | | | | | | | | | | | | | | | |