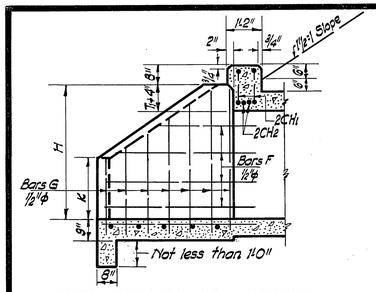
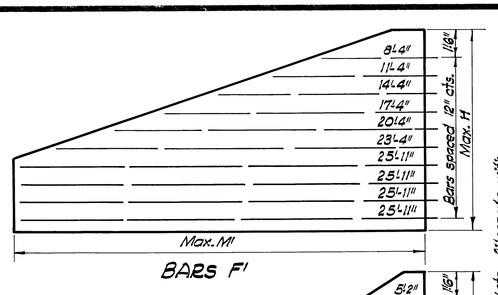
LEFT FORWARD
BC-5AS2

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

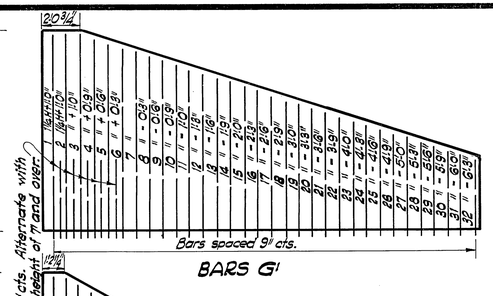
Revised 1951
Revised 6-25-58
Rev. Note for Reinf. Wls. 5-7-63.



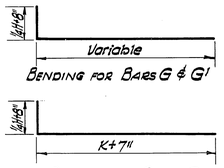
SECTION THRU APRON

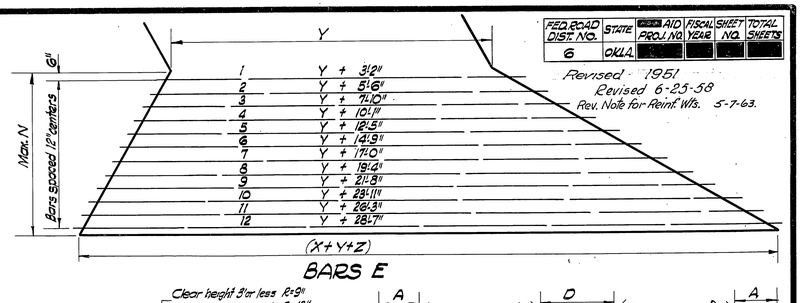


BARS F'



BARS G'

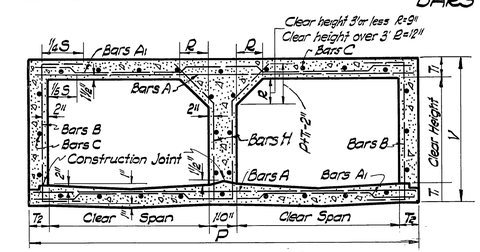




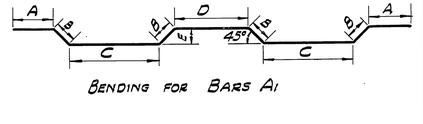
BARS E

BARS F

BARS G



CROSS SECTION OF BARREL

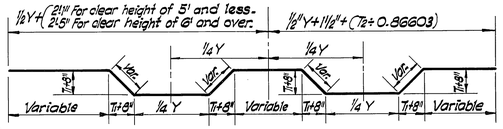


Bending for Bars A1

Design Data

Concrete Slab		
6' span 8½"	106 lbs.	L.L.M. = 909 x 40¼ = 36,590 in. lbs.
Dirt Fill	100 lbs.	I = 30 % L.L.M = 10,980 in. lbs.
Paving 6"	75 lbs.	D.L.M. = ⅛ Wl²
Total D.L.	281 lbs.	= ⅛ x 281 x 6.67² x 12 = 18,730 in. lbs.
		Total 66,900 in. lbs.

L.L. 1818 | 909 6'-8" 909 | 5.5 | 1,818 | 10,000



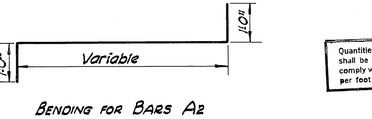
General Notes

All reinforcing steel shall be deformed round bars. The design and table are based upon net areas of bars as follows: ½"ø=0.1963 sq.in. - ⅝"ø=0.3068 sq.in. - ¾"ø=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. Bars when lapped shall be lapped 50 diameters.

All exposed surfaces to have a carborundum finish and this shall be included in price bid per cu. yd. for concrete.

All exposed edges shall have ¾" chamfer.

All slab reinforcing steel shall be supported on approved metal supports.

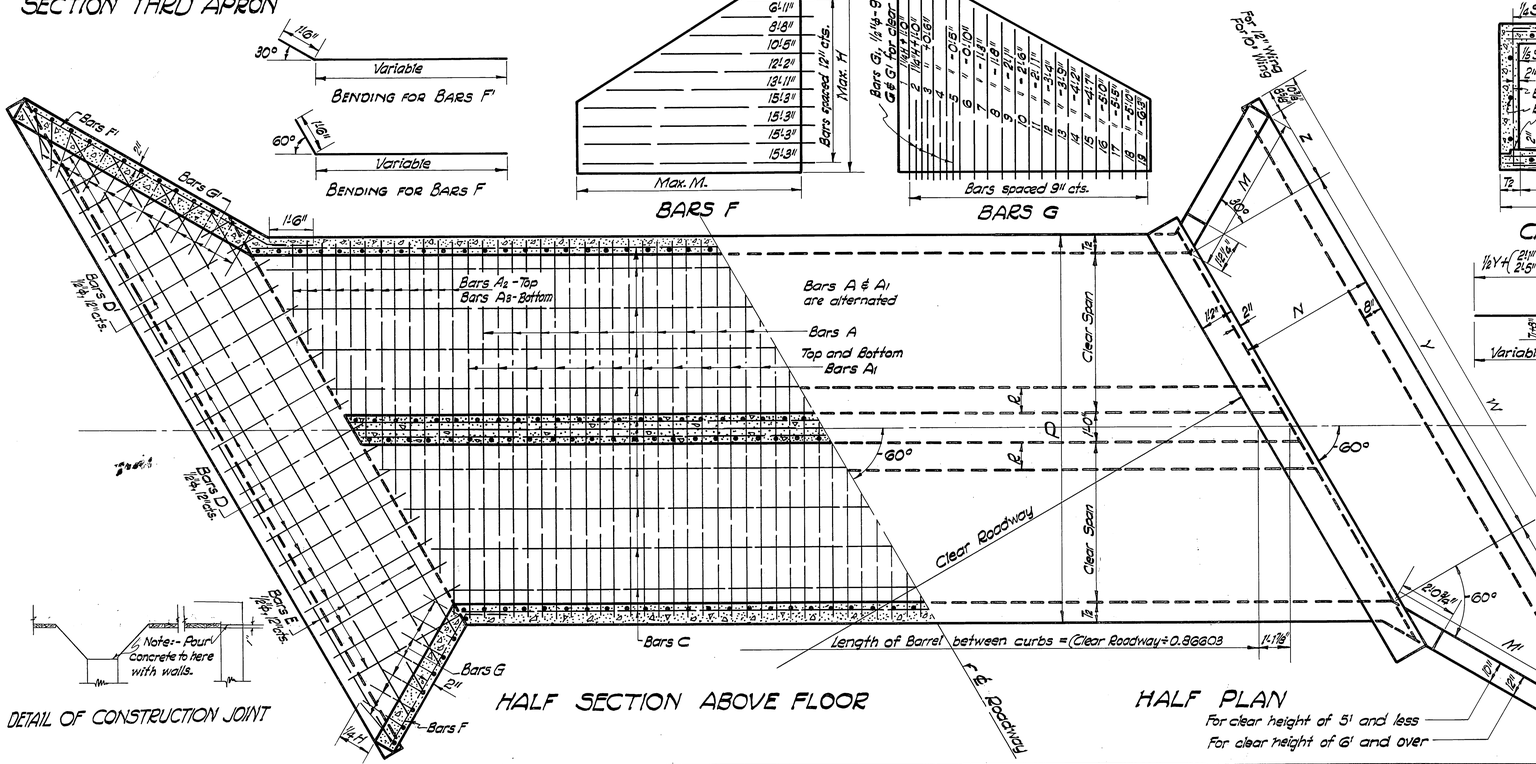


Span	A1 Bars	Additional Steel / Ft.
6	#6@13"	2.84 #"
8	#7@12"	3.67 #"
10	#7@12"	3.97 #"

Use Above on Interstate System

Quantities shown for reinforcing steel shall be reduced by 1½% (.015) to comply with approved C.R.S.I. weights per foot for reinforcing bars.

Revisions for H-20-S16-53 and PPM 20-4 Loading.


Bars F1
Bars G1
1'-6"
Bars D1
½"ø-12" ctrs.
Bars A2 - Top
Bars A3 - Bottom
Bars A & A1 are alternated
Bars A
Top and Bottom
Bars A1
Clear Span
Bars D
½"ø-12" ctrs.
Bars E
½"ø-12" ctrs.
Clear Roadway
Clear Span
Bars C
Length of Barrel between curbs = (Clear Roadway ÷ 0.86603)
r & Roadway
Bars G
12"
Bars F
1'-6"
Note:- Pour concrete to here with walls.
60°
60°
Bars A1
Bars A
Bars A2
Bars A3
Bars A1
Bars A
Bars A1
Bars A
Bars A1
Bars A