

ROADWAY DESIGN MANUAL
TABLE 10

PART 1

CORRUGATED ALUMINUM PIPE ARCHES

5 - 10

2" x* " or 2-1/2" x* " Corrugations - Riveted or Helical Fabrication

PIPE ARCH DIMENSION	CORNER RADIUS	MINIMUM COVER BELOW SUBGRADE	MINIMUM THICKNESS (t)	MAXIMUM FILL TOP OF PIPE FOR CORNER BEARING PRESSURE IN TONSSQ. FT.	
				2 Tons	3 Tons
Inches	Inches	Inches			
18 x 11	4-3/4	18"	0.060"	16	23
22 x 13	4-3/4	18"	0.060"	15	22
25 x 16	4-1/2	18"	0.075"	13	19
29 x 18	4-1/2	18"	0.075"	12	18
36 x 22	5	18"	0.075"	11	17
43 x 27	5-1/2	18"	0.105"	10	15
50 x 31	6	18"	0.105"	10	14
58 x 36	7	18"	0.135"	10	14
65 x 40	8	18"	0.135"	10	15
72 x 44	9	18"	0.164"	10	15

Heavier gages may be used where required for abrasion, corrosion or other factors, but not for additional fill on arches as corner pressures govern amount of fill.