



ASTM C-789 PRECAST BOX GREATER THEN 2'-0" OF COVER OR ASTM C-1433 (LATEST REVISION)

SIZE WxD	TOP SLAB	BOTTOM & WALLS	WT. /FT.	WT. / 6' SECT.	AREA (SQ.FT.)
6' x 3'	7"	7"	2,079	12,474	16
6' x 4'	7"	7"	2,254	13,524	22
6' x 5'	7"	7"	2,429	14,574	28
6' x 6'	7"	7"	2,604	15,624	34
8' x 4'	8"	8"	2,960	17,760	30
8' x 5'	8"	8"	3,160	18,960	38
8' x 6'	8"	8"	3,360	20,160	46
8' x 7'	8"	8"	3,560	21,360	54
8' x 8'	8"	8"	3,760	22,560	62
10' x 4'	10"	10"	4,215	25,290	38
10' x 5'	10"	10"	4,465	26,790	48
10' x 5.5'	8"	8"	3,667	22,000	53
10' x 6'	10"	10"	4,710	28,290	58
10' x 7'	10"	10"	4,965	29,790	68
10' x 8'	10"	10"	5,215	31,290	78
10' x 9'	10"	10"	5,465	32,790	88
10' x 10'	10"	10"	5,715	34,290	98
12' x 4'	12"	12"	5,700	34,200	46
12' x 6'	12"	12"	6,300	37,800	70
12' x 7'	10"	10"	5,467	32,800	70
12' x 8'	12"	12"	6,900	41,400	94
12' x 10'	12"	12"	7,500	45,000	118
12' x 12'	12"	12"	8,100	48,600	142
15' x 5'	12"	12"	6,900	41,400	73

**GENERAL NOTES:**

1. BOX CULVERT IS MANUFACTURED TO MEET OR EXCEED ASTM C-789 OR ASTM C-1433 (LATEST REVISION): "STANDARD SPECIFICATION FOR PRECAST REINFORCED CONCRETE BOX SECTIONS FOR CULVERTS, STORM DRAINS, AND SEWERS".
2. BOX CULVERT MAY USE BUTYL MASTIC, MORTAR, OR OVERWRAP FOR SEALING JOINT.
3. EACH SECTION HAS A 6'-0" LAYING LENGTH.
4. F.H.W.A. "BOXCAR" DESIGN AVAILABLE FOR REDUCING WALL AND SLAB THICKNESS.
5. WEIGHTS BASED ON 150 lb/ft<sup>3</sup> CONCRETE.

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**SHERMANDIXIE**  
 NASHVILLE, TN-KNOXVILLE, TN- ELIZABETHTOWN, KY-DAYTON, OH  
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PH\* 1-800-737-0707 DWG. NO. BX-001

DATE:05/05/05 SHEET\* 1 OF 1

ASTM C-789 & C-1433 PRECAST BOX CULVERTS

SCALE: NTS