



ASTM C-850 PRECAST BOX (0'-2' OF COVER)  
OR ASTM C-1433 (LATEST REVISION)

SIZE	TOP SLAB	BOTTOM & WALLS	WT. /FT.	WT. / 6' SECT.	AREA (SQ. FT.)
WxD					
6' x 3'	8"	7"	2,170	13,020	16
6' x 4'	8"	7"	2,345	14,070	22
6' x 5'	8"	7"	2,520	15,210	28
6' x 6'	8"	7"	2,695	16,170	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 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	82
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-850 (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.

**★**  
**SHERMANDIXIE**  
NASHVILLE, TN-KNOXVILLE, TN- ELIZABETHTOWN, KY-DAYTON, OH  
FRANKLIN, TN-CHATTANOOGA, TN- LEXINGTON, KY-CULLMAN, AL

PH* 1-800-737-0707	DWG. NO. BX-002
DATE:05/05/05	SHEET* 1 OF 1

ASTM C-850 & C-1433 PRECAST BOX CULVERTS

SCALE: NTS