

**BILL OF MATERIALS  
SQUARE STRUCTURES - ONE SLAB**


BRIDGE APPROACH WIDTH, m	REINFORCING STEEL					BRIDGE APPROACH AREA, m <sup>2</sup>
	LONGIT. BARS		TRANSV. BARS		TOTAL MASS, kg	
	NO.	MARK	NO.	SIZE x LGTH.		
7.2	48	1691	11	#16 x 7100	581	44.6
7.6	51	1691	11	#16 x 7500	617	47.1
8.2	55	1691	11	#16 x 8100	665	50.8
8.8	59	1691	11	#16 x 8700	714	54.6
9.4	63	1691	11	#16 x 9300	763	58.3
10.6	71	1691	11	#16 x 10500	860	65.7
10.9	73	1691	11	#16 x 10800	884	67.6
11.2	75	1691	11	#16 x 11100	908	69.4
11.5	77	1691	11	#16 x 11400	933	71.3
11.8	79	1691	11	#16 x 11700	957	73.2
12.4	83	1691	22	#16 x 6400 *	1014	76.9
13.6	91	1691	22	#16 x 7000 *	1111	84.3

\* Bars lapped 540 at centerline of roadway.

**GENERAL NOTES**

1. The Bill of Materials shall be used to determine the bar lengths, total weight of steel, and approach area for square structures.
2. Length of 1691 bar is 6175.

All dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION	
<b>REINFORCED CONCRETE BRIDGE APPROACH SLAB</b>	
SEPTEMBER 1997	
STANDARD DRAWING NO. <b>610-RCBA-06</b>	
	/s/ Anthony L. Uremovich 9-01-97 DESIGN STANDARDS ENGINEER DATE
DESIGN STANDARDS ENGINEER	/s/ Donald W. Lucas 9-01-97 CHIEF HIGHWAY ENGINEER DATE

**Source Sheet: RCBA2**