

FLOOR DECK DESIGN MANUAL

FIRST EDITION

MARCH 2014

First and Second Printing

Errata #2

03 November 2014

Replace Table 3A (I_u and I_{cr} were transposed)

Table 3A – 1.5x6 Composite Deck-Slab Moment of Inertia – Normalweight Concrete (145 pcf)

Slab Depth (inches)	I_u 22 ga In⁴/ft	I_u 20 ga In⁴/ft	I_u 18 ga In⁴/ft	I_u 16 ga In⁴/ft	I_{cr} 22 ga In⁴/ft	I_{cr} 20 ga In⁴/ft	I_{cr} 18 ga In⁴/ft	I_{cr} 16 ga In⁴/ft	I_d 22 ga In⁴/ft	I_d 20 ga In⁴/ft	I_d 18 ga In⁴/ft	I_d 16 ga In⁴/ft
4	5.25	5.64	6.31	6.99	2.74	3.15	3.82	4.46	3.99	4.39	5.07	5.72
4.5	7.55	8.04	8.91	9.79	3.76	4.33	5.28	6.17	5.65	6.19	7.10	7.98
4.75	8.94	9.49	10.46	11.45	4.34	5.00	6.11	7.16	6.64	7.25	8.29	9.30
5	10.50	11.11	12.20	13.29	4.96	5.73	7.01	8.23	7.73	8.42	9.61	10.76
5.5	14.19	14.93	16.25	17.60	6.36	7.36	9.03	10.62	10.27	11.15	12.64	14.11
5.75	16.33	17.15	18.60	20.07	7.13	8.26	10.15	11.95	11.73	12.70	14.37	16.01
6	18.69	19.58	21.16	22.78	7.94	9.21	11.34	13.37	13.32	14.40	16.25	18.07
6.5	24.10	25.15	27.01	28.92	9.72	11.29	13.94	16.47	16.91	18.22	20.47	22.70
6.75	27.17	28.30	30.31	32.38	10.68	12.42	15.35	18.16	18.92	20.36	22.83	25.27
7	30.49	31.71	33.88	36.11	11.69	13.60	16.83	19.94	21.09	22.66	25.36	28.02