



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.

DEAD LOAD DEFLECTIONS															
	Span 1					Span 2					Span 3				
	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	C1	C2	C3	C4	C5
1	7/8"	1/8"	5/8"	20'-9 7/16"	83'-1 13/16"	-1/8"	0"	0"	14'-4 13/16"	57'-7 3/16"	1/8"	0"	0"	15'-8 3/4"	62'-11"
2	1"	1/8"	5/8"	20'-11 7/8"	83'-11 1/2"	-1/8"	0"	0"	15'-1 1/4"	60'-5 1/8"	0"	0"	0"	15'-8 3/4"	62'-11"
3	1"	1/4"	5/8"	21'-2 5/16"	84'-9 3/16"	-1/8"	0"	0"	15'-9 3/4"	63'-3 1/16"	0"	0"	0"	15'-8 3/4"	62'-11"
4	1"	1/4"	5/8"	21'-4 1/16"	85'-6 7/8"	-1/8"	0"	0"	16'-6 1/4"	66'-1"	0"	1/8"	0"	15'-8 3/4"	62'-11"
5	1"	1/4"	3/4"	21'-7 1/8"	86'-4 9/16"	-1/8"	0"	1/8"	17'-2 3/4"	68'-10 5/16"	0"	0"	0"	15'-8 3/4"	62'-11"
6	1 1/8"	1 3/8"	3/4"	21'-9 9/16"	87'-2 1/4"	0"	1/8"	1/8"	17'-11 3/16"	71'-8 13/16"	0"	0"	0"	15'-8 3/4"	62'-11"
7	1 1/8"	1 3/8"	3/4"	22'-0"	87'-11 15/16"	0"	1/8"	1/8"	18'-7 1/16"	74'-6 3/4"	0"	0"	0"	15'-8 3/4"	62'-11"
8	1 1/4"	1 1/2"	3/4"	22'-2 3/8"	88'-9 5/8"	0"	1/4"	1/8"	19'-4 3/16"	77'-4 1/16"	0"	0"	0"	15'-8 3/4"	62'-11"
9	1 1/4"	1 1/2"	7/8"	22'-4 13/16"	89'-7 5/16"	0"	1/4"	1/4"	20'-0 1/16"	80'-2 5/8"	0"	0"	0"	15'-8 3/4"	62'-11"
10	1 1/4"	1 5/8"	7/8"	22'-7 1/4"	90'-5"	0"	3/8"	1/4"	20'-9 9/16"	83'-0 9/16"	0"	0"	0"	15'-8 3/4"	62'-11"
11	1 1/4"	1 5/8"	7/8"	22'-9 1/16"	91'-2 1/16"	1/8"	3/8"	3/8"	21'-5 5/8"	85'-10 1/2"	0"	0"	-1/8"	15'-8 3/4"	62'-11"
12	1 3/8"	1 5/8"	7/8"	23'-0 1/8"	92'-0 3/8"	1/8"	1/2"	3/8"	22'-2 1/8"	88'-8 7/16"	-1/8"	-1/8"	-1/8"	15'-8 3/4"	62'-11"
13	1 3/8"	1 5/8"	7/8"	23'-2 1/2"	92'-10 1/16"	1/4"	5/8"	1/2"	22'-10 9/16"	91'-6 5/16"	-1/8"	-1/8"	-1/8"	15'-8 3/4"	62'-11"
14	1 3/8"	1 5/8"	7/8"	23'-4 15/16"	93'-7 3/4"	1/4"	3/4"	5/8"	23'-7 1/16"	94'-4 1/4"	-1/8"	-1/4"	-1/4"	15'-8 3/4"	62'-11"
15	1 1/4"	1 5/8"	3/4"	23'-7 3/8"	94'-5 7/16"	3/8"	7/8"	3/4"	24'-3 9/16"	97'-2 3/16"	-1/4"	-1/4"	-1/4"	15'-8 3/4"	62'-11"

DEAD LOAD DEFLECTIONS															
	Span 4					Span 5					Span 6				
	D1	D2	D3	D4	D5	E1	E2	E3	E4	E5	F1	F2	F3	F4	F5
1	1/2"	7/8"	5/8"	20'-6"	82'-0"	-1/4"	-1/4"	-1/4"	17'-11"	71'-8"	5/8"	1 1/8"	7/8"	23'-8 9/16"	94'-10 1/8"
2	1/2"	7/8"	5/8"	20'-6"	82'-0"	-1/4"	-1/4"	-1/4"	17'-11"	71'-8"	3/4"	1 3/8"	1"	24'-6 5/8"	98'-2 1/2"
3	1/2"	7/8"	5/8"	20'-6"	82'-0"	-1/4"	-1/4"	-1/4"	17'-11"	71'-8"	7/8"	1 5/8"	1 1/4"	25'-4 3/4"	101'-6 7/8"
4	1/2"	3/4"	1/2"	20'-6"	82'-0"	-1/4"	-1/4"	-1/4"	17'-11"	71'-8"	1"	1 3/4"	1 3/8"	26'-2 13/16"	104'-11 1/4"
5	1/2"	3/4"	1/2"	20'-6"	82'-0"	-1/4"	-3/8"	-1/4"	17'-11"	71'-8"	1 1/8"	2"	1 5/8"	27'-0 5/16"	108'-3 5/8"
6	1/2"	3/4"	1/2"	20'-6"	82'-0"	-1/4"	-3/8"	-3/8"	17'-11"	71'-8"	1 3/8"	2 1/4"	1 3/4"	27'-11"	111'-8"
7	1/2"	3/4"	1/2"	20'-6"	82'-0"	-1/4"	-3/8"	-3/8"	17'-11"	71'-8"	1 1/2"	2 1/2"	2"	28'-9 9/8"	115'-0 3/8"
8	1/2"	3/4"	1/2"	20'-6"	82'-0"	-1/4"	-3/8"	-3/8"	17'-11"	71'-8"	1 5/8"	2 7/8"	2 1/4"	29'-7 3/16"	118'-4 3/4"
9	1/2"	3/4"	1/2"	20'-6"	82'-0"	-1/4"	-1/2"	-3/8"	17'-11"	71'-8"	1 7/8"	3 1/4"	2 1/2"	30'-5 5/16"	121'-9 1/8"
10	1/2"	3/4"	5/8"	20'-6"	82'-0"	-3/8"	-1/2"	-1/2"	17'-11"	71'-8"	2 1/8"	3 5/8"	2 3/4"	31'-3 3/8"	125'-1 1/2"
11	1/2"	7/8"	5/8"	20'-6"	82'-0"	-3/8"	-5/8"	-1/2"	17'-11"	71'-8"	2 1/4"	4"	3 1/8"	32'-1 1/2"	128'-5 7/8"
12	1/2"	7/8"	5/8"	20'-6"	82'-0"	-3/8"	-5/8"	-1/2"	17'-11"	71'-8"	2 1/2"	4 3/8"	3 3/8"	32'-11 9/16"	131'-10 1/4"
13	5/8"	1"	3/4"	20'-6"	82'-0"	-1/2"	-3/4"	-5/8"	17'-11"	71'-8"	2 3/4"	4 7/8"	3 3/4"	33'-9 1/16"	135'-2 5/8"
14	3/4"	1 1/8"	3/4"	20'-6"	82'-0"	-1/2"	-3/4"	-5/8"	17'-11"	71'-8"	3"	5 1/4"	4 1/8"	34'-7 3/4"	138'-7"
15	7/8"	1 3/8"	1"	20'-6"	82'-0"	-5/8"	-7/8"	-3/4"	17'-11"	71'-8"	3 1/4"	5 5/8"	4 3/8"	35'-5 7/8"	141'-11 3/8"

4:32:38 PM 0161716-60W26-S018-TopSlab_Deck3.dgn



USER NAME = rlschultz	DESIGNED - DL	REVISED
	CHECKED - WJC	REVISED
PLOT SCALE = 0:1.0000 ' / in.	DRAWN - MTS	REVISED
PLOT DATE = 9/15/2013	CHECKED - DL/WJC	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS 3
STRUCTURE NO. 016-1716**

SHEET NO. S2-18 OF S2-81 SHEETS

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2013-008R	COOK	559	378
CONTRACT NO.			60W26	
ILLINOIS FED. AID PROJECT				