



**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															
Girder	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 1/8"	5/8"	20'-9 7/16"	83'-11 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 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 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 1/4"	5/8"	21'-4 11/16"	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 1/4"	3/4"	21'-7 7/8"	85'-4 9/16"	-1/8"	0"	1/8"	17'-2 3/4"	68'-10 15/16"	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 7/16"	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 5/8"	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 1/8"	83'-0 9/16"	0"	0"	0"	15'-8 3/4"	62'-11"
11	1 1/4"	1 5/8"	7/8"	22'-9 11/16"	91'-2 1/2"	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															
Girder	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 15/16"	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 11/16"	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"

12:11:21 PM 016:1716-BOW26-S018-TopSlab\_Deck3.dgn



USER NAME - BAWifort	DESIGNED - DL	REVISED - 10/15/2013 DL
PLOT SCALE - 0:1.0000 ' / in.	CHECKED - WJC	REVISED
PLOT DATE - 10/14/2013	DRAWN - MTS	REVISED
	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2013-008R	COOK	559	378
CONTRACT NO. 60W26			ILLINOIS FED. AID PROJECT	