



**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 and grinding as shown to the right.

**EAST EDGE OF DECK**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
N. End of Deck	197+29.57	-23.83	762.05	762.08
☉ N. Abut.	197+30.33	-23.83	762.06	762.08
A	197+40.33	-23.83	762.13	762.16
B	197+50.33	-23.83	762.19	762.21
☉ Pier 1	197+58.81	-23.83	762.22	762.24
C	197+68.81	-23.83	762.24	762.29
D	197+78.81	-23.83	762.24	762.29
E	197+88.81	-23.83	762.22	762.25
☉ Pier 2	197+98.81	-23.83	762.18	762.20
F	198+08.81	-23.83	762.13	762.16
G	198+18.81	-23.83	762.05	762.07
☉ S. Abut.	198+27.29	-23.83	761.97	761.99
S. End of Deck	198+28.05	-23.83	761.96	761.98

**EAST EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
N. End of Deck	197+25.36	-18.00	761.84	761.86
☉ N. Abut.	197+26.12	-18.00	761.84	761.86
A	197+36.12	-18.00	761.92	761.95
B	197+46.12	-18.00	761.99	762.01
☉ Pier 1	197+54.60	-18.00	762.02	762.05
C	197+64.60	-18.00	762.05	762.10
D	197+74.60	-18.00	762.06	762.11
E	197+84.60	-18.00	762.05	762.08
☉ Pier 2	197+94.60	-18.00	762.02	762.04
F	198+04.60	-18.00	761.97	762.00
G	198+14.60	-18.00	761.90	761.93
☉ S. Abut.	198+23.08	-18.00	761.83	761.85
S. End of Deck	198+23.84	-18.00	761.82	761.84

**☉ F.A.P. 730 & P.G.L.**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
N. End of Deck	197+22.19	0.00	762.08	762.10
☉ N. Abut.	197+22.95	0.00	762.08	762.10
A	197+32.95	0.00	762.17	762.20
B	197+42.95	0.00	762.24	762.26
☉ Pier 1	197+51.43	0.00	762.28	762.30
C	197+61.43	0.00	762.32	762.36
D	197+71.43	0.00	762.33	762.38
E	197+81.43	0.00	762.32	762.37
☉ Pier 2	197+91.43	0.00	762.30	762.32
F	198+01.43	0.00	762.26	762.29
G	198+11.43	0.00	762.20	762.23
☉ S. Abut.	198+19.91	0.00	762.13	762.15
S. End of Deck	198+20.67	0.00	762.12	762.14

**STAGE CONSTRUCTION LINE**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
N. End of Deck	197+21.93	1.50	762.05	762.07
☉ N. Abut.	197+22.69	1.50	762.06	762.08
A	197+32.69	1.50	762.15	762.18
B	197+42.69	1.50	762.21	762.24
☉ Pier 1	197+51.17	1.50	762.26	762.28
C	197+61.17	1.50	762.29	762.33
D	197+71.17	1.50	762.31	762.36
E	197+81.17	1.50	762.30	762.34
☉ Pier 2	197+91.17	1.50	762.28	762.30
F	198+01.17	1.50	762.24	762.26
G	198+11.17	1.50	762.18	762.21
☉ S. Abut.	198+19.65	1.50	762.11	762.13
S. End of Deck	198+20.41	1.50	762.10	762.12

**WEST EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
N. End of Deck	197+19.37	16.00	761.81	761.83
☉ N. Abut.	197+20.13	16.00	761.81	761.84
A	197+30.13	16.00	761.91	761.94
B	197+40.13	16.00	761.98	762.01
☉ Pier 1	197+48.61	16.00	762.03	762.05
C	197+58.61	16.00	762.07	762.10
D	197+68.61	16.00	762.09	762.14
E	197+78.61	16.00	762.09	762.13
☉ Pier 2	197+88.61	16.00	762.07	762.09
F	197+98.61	16.00	762.03	762.06
G	198+08.61	16.00	761.98	762.01
☉ S. Abut.	198+17.09	16.00	761.91	761.93
S. End of Deck	198+17.85	16.00	761.91	761.93

**WEST EDGE OF DECK**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
N. End of Deck	197+21.51	21.83	762.01	762.03
☉ N. Abut.	197+22.27	21.83	762.02	762.04
A	197+32.27	21.83	762.11	762.14
B	197+42.27	21.83	762.18	762.20
☉ Pier 1	197+50.75	21.83	762.22	762.24
C	197+60.75	21.83	762.26	762.30
D	197+70.75	21.83	762.27	762.32
E	197+80.75	21.83	762.27	762.31
☉ Pier 2	197+90.75	21.83	762.24	762.27
F	198+00.75	21.83	762.20	762.23
G	198+10.75	21.83	762.14	762.17
☉ S. Abut.	198+19.23	21.83	762.08	762.10
S. End of Deck	198+19.99	21.83	762.07	762.09

(Sheet 2 of 2)



USER NAME = ceerlockjd	DESIGNED - VPT	REVISED
	CHECKED - THW	REVISED
PLOT SCALE = 0:2.0000 '1' / in.	DRAWN - THW	REVISED
PLOT DATE = 8/12/2014 *TIME*	CHECKED - VPT	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS  
STRUCTURE NO. 057-0256**

SHEET NO. 6 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
730	62-ZBR	MCLEAN	65	33
CONTRACT NO. 70540				
ILLINOIS FED. AID PROJECT				