

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
☉ Pier 41	202+29.95	-19.40	619.35	619.35
☉ S. Brg Pier 41	202+30.82	-19.39	619.33	619.33
42A	202+40.82	-19.33	619.10	619.14
42B	202+50.82	-19.28	618.88	618.94
42C	202+60.82	-19.23	618.66	618.73
42D	202+70.82	-19.18	618.45	618.51
42E	202+80.82	-19.14	618.24	618.28
42F	202+90.82	-19.09	618.03	618.05
42G	203+00.82	-19.04	617.84	617.84
☉ Brg. Pier 42	203+08.40	-19.00	617.71	617.71
43A	203+18.40	-19.00	617.56	617.56
43B	203+28.40	-19.00	617.41	617.42
43C	203+38.40	-19.00	617.28	617.31
End of Deck Replacement	203+47.09	-19.00	617.17	617.21

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
☉ Pier 41	202+34.90	-11.39	618.89	618.89
☉ S. Brg Pier 41	202+35.79	-11.38	618.87	618.87
42A	202+45.79	-11.33	618.67	618.70
42B	202+55.79	-11.28	618.48	618.53
42C	202+65.79	-11.23	618.29	618.35
42D	202+75.79	-11.18	618.10	618.16
42E	202+85.79	-11.14	617.92	617.96
42F	202+95.79	-11.09	617.74	617.76
42G	203+05.79	-11.04	617.58	617.58
☉ Brg. Pier 42	203+13.45	-11.00	617.46	617.46
43A	203+23.45	-11.00	617.32	617.32
43B	203+33.45	-11.00	617.18	617.20
End of Deck Replacement	203+47.09	-11.00	617.01	617.05

GIRDER 3

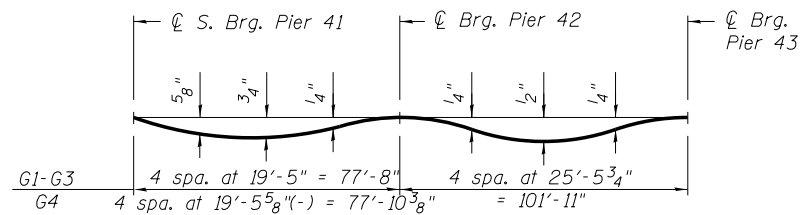
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
☉ Pier 41	202+39.95	-3.39	618.47	618.47
☉ S. Brg Pier 41	202+40.84	-3.38	618.45	618.45
42A	202+50.84	-3.33	618.28	618.31
42B	202+60.84	-3.28	618.11	618.16
42C	202+70.84	-3.23	617.94	618.01
42D	202+80.84	-3.18	617.78	617.84
42E	202+90.84	-3.14	617.62	617.66
42F	203+00.84	-3.09	617.47	617.49
42G	203+10.84	-3.04	617.33	617.33
☉ Brg. Pier 42	203+18.51	-3.00	617.22	617.22
43A	203+28.51	-3.00	617.09	617.09
43B	203+38.51	-3.00	616.96	616.97
End of Deck Replacement	203+47.09	-3.00	616.85	616.88

Ramp E & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
☉ Pier 41	202+42.09	0.00	618.30	618.30
☉ S. Brg Pier 41	202+42.98	0.00	618.28	618.28
42A	202+52.98	0.00	618.12	618.15
42B	202+62.98	0.00	617.96	618.02
42C	202+72.98	0.00	617.81	617.87
42D	202+82.98	0.00	617.66	617.72
42E	202+92.98	0.00	617.51	617.55
42F	203+02.98	0.00	617.37	617.39
42G	203+12.98	0.00	617.23	617.24
☉ Brg. Pier 42	203+20.40	0.00	617.13	617.13
43A	203+30.40	0.00	617.00	617.01
43B	203+40.40	0.00	616.88	616.89
End of Deck Replacement	203+47.09	0.00	616.79	616.82

GIRDER 4

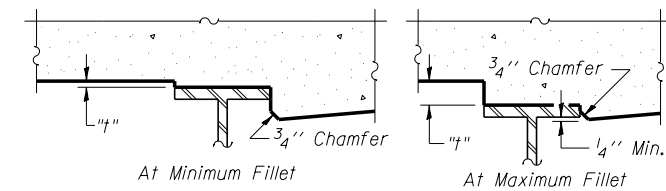
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
☉ Pier 41	202+44.81	4.30	618.08	618.08
☉ S. Brg Pier 41	202+45.70	4.31	618.07	618.07
42A	202+55.70	4.40	617.92	617.95
42B	202+65.70	4.49	617.77	617.83
42C	202+75.70	4.58	617.63	617.69
42D	202+85.70	4.66	617.49	617.55
42E	202+95.70	4.75	617.36	617.40
42F	203+05.69	4.84	617.22	617.24
42G	203+15.69	4.93	617.09	617.10
☉ Brg. Pier 42	203+23.56	5.00	616.99	616.99
43A	203+33.56	5.00	616.86	616.87
End of Deck Replacement	203+47.09	5.00	616.69	616.71



DEAD LOAD DEFLECTION DIAGRAM (SPAN 41 & 42 ONLY)

(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.



To determine "t": After removal of the existing deck to the limits specified is complete, elevations of the top flanges of the beams shall be taken at intervals shown on Sheet SF3. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown herein, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

FILE NAME =	USER NAME = tjjenicke	DESIGNED - DTS	REVISIED -
0161026_60J16_004_T05.E1ev.1.dgn		CHECKED - TJJ	REVISIED -
		DRAWN - DTS	REVISIED -
		CHECKED - TJJ	REVISIED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	2013-038B-R	COOK	821	547
CONTRACT NO. 60J16				
ILLINOIS FED. AID PROJECT				

X:\100005\10093\Eng_Docs_Phase_1\1\SN_016_1026_SB_1st_Ave_Ramp_cover_Des_Plaines_River\Final\1026_60J16_004_T05.E1ev.1.dgn 2:45:19 PM 6/23/2014