

P.G.L. WESTBOUND & WESTBOUND ROADWAY

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	3069+84.25	0.00'	731.87	731.87
☉ Brg. W. Abut.	3069+87.04	0.00'	731.95	731.95
A	3069+97.04	0.00'	732.25	732.27
B	3070+07.04	0.00'	732.56	732.58
C	3070+17.04	0.00'	732.86	732.87
☉ Brg. Pier 1	3070+27.75	0.00'	733.19	733.19
D	3070+37.75	0.00'	733.49	733.50
E	3070+47.75	0.00'	733.79	733.82
F	3070+57.75	0.00'	734.09	734.13
G	3070+67.75	0.00'	734.40	734.41
☉ Brg. Pier 2	3070+79.42	0.00'	734.75	734.75
H	3070+89.42	0.00'	735.05	735.06
I	3070+99.42	0.00'	735.36	735.38
J	3071+09.42	0.00'	735.66	735.68
☉ Brg. E. Abut.	3071+20.12	0.00'	735.98	735.98
Bk. E. Abut.	3071+22.90	0.00'	736.07	736.07

BEAM B1 - WESTBOUND

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	3069+92.16	-20.33'	731.75	731.75
☉ Brg. W. Abut.	3069+94.95	-20.33'	731.83	731.83
A	3070+04.95	-20.33'	732.13	732.15
B	3070+14.95	-20.33'	732.44	732.46
C	3070+24.95	-20.33'	732.74	732.75
☉ Brg. Pier 1	3070+35.66	-20.33'	733.06	733.06
D	3070+45.66	-20.33'	733.37	733.38
E	3070+55.66	-20.33'	733.67	733.70
F	3070+65.66	-20.33'	733.97	734.01
G	3070+75.66	-20.33'	734.28	734.28
☉ Brg. Pier 2	3070+87.32	-20.33'	734.63	734.63
H	3070+97.32	-20.33'	734.93	734.94
I	3071+07.32	-20.33'	735.24	735.26
J	3071+17.32	-20.33'	735.54	735.56
☉ Brg. E. Abut.	3071+28.03	-20.33'	735.86	735.86
Bk. E. Abut.	3071+30.81	-20.33'	735.95	735.95

BEAM B2 - WESTBOUND

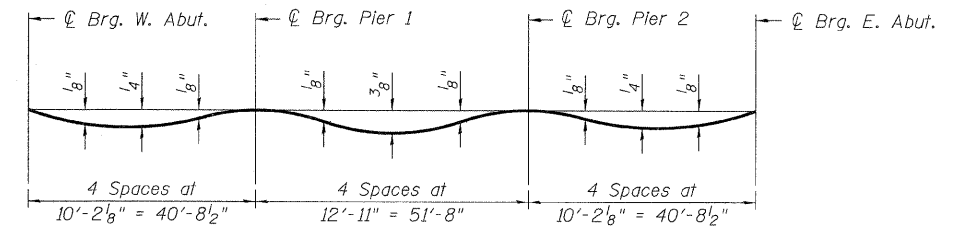
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	3069+89.31	-13.00'	731.81	731.81
☉ Brg. W. Abut.	3069+92.10	-13.00'	731.90	731.90
A	3070+02.10	-13.00'	732.20	732.22
B	3070+12.10	-13.00'	732.50	732.53
C	3070+22.10	-13.00'	732.81	732.82
☉ Brg. Pier 1	3070+32.80	-13.00'	733.13	733.13
D	3070+42.80	-13.00'	733.43	733.45
E	3070+52.80	-13.00'	733.74	733.77
F	3070+62.80	-13.00'	734.04	734.07
G	3070+72.80	-13.00'	734.34	734.36
☉ Brg. Pier 2	3070+84.47	-13.00'	734.70	734.70
H	3070+94.47	-13.00'	735.00	735.01
I	3071+04.47	-13.00'	735.30	735.32
J	3071+14.47	-13.00'	735.60	735.62
☉ Brg. E. Abut.	3071+25.18	-13.00'	735.93	735.93
Bk. E. Abut.	3071+27.96	-13.00'	736.01	736.01

BEAM B3 - WESTBOUND

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	3069+86.45	-5.67'	731.85	731.85
☉ Brg. W. Abut.	3069+89.24	-5.67'	731.93	731.93
A	3069+99.24	-5.67'	732.23	732.25
B	3070+09.24	-5.67'	732.54	732.56
C	3070+19.24	-5.67'	732.84	732.85
☉ Brg. Pier 1	3070+29.95	-5.67'	733.16	733.16
D	3070+39.95	-5.67'	733.47	733.48
E	3070+49.95	-5.67'	733.77	733.80
F	3070+59.95	-5.67'	734.07	734.10
G	3070+69.95	-5.67'	734.38	734.39
☉ Brg. Pier 2	3070+81.62	-5.67'	734.73	734.73
H	3070+91.62	-5.67'	735.03	735.04
I	3071+01.62	-5.67'	735.34	735.36
J	3071+11.62	-5.67'	735.64	735.66
☉ Brg. E. Abut.	3071+22.33	-5.67'	735.96	735.96
Bk. E. Abut.	3071+25.10	-5.67'	736.05	736.05

BEAM B4 - WESTBOUND

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	3069+83.60	1.67'	731.82	731.82
☉ Brg. W. Abut.	3069+86.39	1.67'	731.91	731.91
A	3069+96.39	1.67'	732.21	732.23
B	3070+06.39	1.67'	732.51	732.53
C	3070+16.39	1.67'	732.82	732.83
☉ Brg. Pier 1	3070+27.10	1.67'	733.14	733.14
D	3070+37.10	1.67'	733.44	733.46
E	3070+47.10	1.67'	733.75	733.78
F	3070+57.10	1.67'	734.05	734.08
G	3070+67.10	1.67'	734.35	734.37
☉ Brg. Pier 2	3070+78.77	1.67'	734.71	734.71
H	3070+88.77	1.67'	735.01	735.02
I	3070+98.77	1.67'	735.31	735.33
J	3071+08.77	1.67'	735.61	735.63
☉ Brg. E. Abut.	3071+19.48	1.67'	735.94	735.94
Bk. E. Abut.	3071+22.25	1.67'	736.02	736.02



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

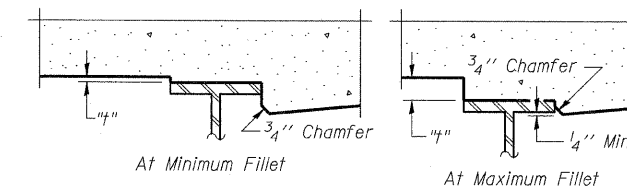
Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown above.

BEAM B5 - WESTBOUND

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	3069+80.75	9.00'	731.62	731.62
☉ Brg. W. Abut.	3069+83.54	9.00'	731.71	731.71
A	3069+93.54	9.00'	732.01	732.03
B	3070+03.54	9.00'	732.31	732.33
C	3070+13.54	9.00'	732.61	732.62
☉ Brg. Pier 1	3070+24.25	9.00'	732.94	732.94
D	3070+34.25	9.00'	733.24	733.26
E	3070+44.25	9.00'	733.54	733.58
F	3070+54.25	9.00'	733.85	733.88
G	3070+64.25	9.00'	734.15	734.17
☉ Brg. Pier 2	3070+75.92	9.00'	734.50	734.50
H	3070+85.92	9.00'	734.81	734.82
I	3070+95.92	9.00'	735.11	735.13
J	3071+05.92	9.00'	735.41	735.43
☉ Brg. E. Abut.	3071+16.62	9.00'	735.74	735.74
Bk. E. Abut.	3071+19.40	9.00'	735.82	735.82

BEAM B6 - WESTBOUND

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	3069+77.90	16.33'	731.40	731.40
☉ Brg. W. Abut.	3069+80.69	16.33'	731.48	731.48
A	3069+90.69	16.33'	731.78	731.80
B	3070+00.69	16.33'	732.09	732.11
C	3070+10.69	16.33'	732.39	732.40
☉ Brg. Pier 1	3070+21.40	16.33'	732.72	732.72
D	3070+31.40	16.33'	733.02	733.03
E	3070+41.40	16.33'	733.32	733.35
F	3070+51.40	16.33'	733.62	733.66
G	3070+61.40	16.33'	733.93	733.94
☉ Brg. Pier 2	3070+73.06	16.33'	734.28	734.28
H	3070+83.06	16.33'	734.58	734.59
I	3070+93.06	16.33'	734.89	734.91
J	3071+03.06	16.33'	735.19	735.21
☉ Brg. E. Abut.	3071+13.77	16.33'	735.51	735.51
Bk. E. Abut.	3071+16.55	16.33'	735.60	735.60



To determine "f": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on Sheet 3 of 37. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflection" shown above, minus slab thickness, equals the fillet heights "f" above top flange of beams.

FILLET HEIGHTS

FILE NAME =	USER NAME =	DESIGNED - DY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF SLAB ELEVATIONS - WESTBOUND STRUCTURE NO. 006-0020 EB AND 006-0021 WB	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
TYLIN INTERNATIONAL	PLOT SCALE =	CHECKED - PF	REVISED -			80	1006-5MHR-1.VBR(06-6)RS-3&I	BUREAU	249	77	
	PLOT DATE = 09/13/2011	DRAWN - DY	REVISED -			CONTRACT NO. 66686					
		CHECKED - PF	REVISED -			ILLINOIS FED. AID PROJECT					