

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abut	138+20.66	+14.92	749.93	749.93
⊕ W. Abut	138+21.95	+14.88	749.92	749.92
A	138+31.84	+14.64	749.86	749.88
B	138+41.73	+14.47	749.80	749.84
C	138+51.62	+14.37	749.75	749.79
D	138+61.51	+14.35	749.70	749.74
E	138+71.40	+14.41	749.65	749.68
F	138+81.30	+14.54	749.60	749.62
⊕ E. Abut	138+88.18	+14.67	749.57	749.57
Bk. E. Abut	138+89.47	+14.70	749.56	749.56

PGL EB IL 25/Stearns Road

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abut	138+20.64	+15.00	749.93	749.93
⊕ W. Abut	138+21.92	+15.00	749.92	749.92
A	138+31.74	+15.00	749.87	749.89
B	138+41.58	+15.00	749.82	749.86
C	138+51.44	+15.00	749.77	749.82
D	138+61.33	+15.00	749.72	749.77
E	138+71.23	+15.00	749.67	749.70
F	138+81.16	+15.00	749.62	749.63
⊕ E. Abut	138+88.08	+15.00	749.58	749.58
Bk. E. Abut	138+89.37	+15.00	749.58	749.58

BEAM 2

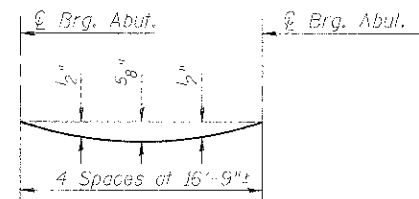
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abut	138+18.58	+23.23	750.23	750.23
⊕ W. Abut	138+19.86	+23.19	750.22	750.22
A	138+29.68	+22.93	750.16	750.18
B	138+39.51	+22.75	750.10	750.15
C	138+49.34	+22.64	750.05	750.10
D	138+59.17	+22.60	750.00	750.05
E	138+69.00	+22.64	749.95	749.98
F	138+78.83	+22.75	749.90	749.92
⊕ E. Abut	138+85.68	+22.87	749.87	749.87
Bk. E. Abut	138+86.96	+22.90	749.86	749.86

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abut	138+16.51	+31.55	750.53	750.53
⊕ W. Abut	138+17.79	+31.51	750.52	750.52
A	138+27.55	+31.24	750.46	750.49
B	138+37.32	+31.03	750.40	750.45
C	138+47.09	+30.91	750.35	750.40
D	138+56.86	+30.85	750.30	750.35
E	138+66.63	+30.87	750.25	750.28
F	138+76.40	+30.96	750.20	750.22
⊕ E. Abut	138+83.20	+31.07	750.17	750.17
Bk. E. Abut	138+84.48	+31.10	750.16	750.16

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abut	138+14.48	+39.88	750.83	750.83
⊕ W. Abut	138+15.74	+39.83	750.82	750.82
A	138+25.45	+39.54	750.76	750.79
B	138+35.15	+39.32	750.71	750.74
C	138+44.86	+39.18	750.65	750.70
D	138+54.58	+39.11	750.60	750.64
E	138+64.29	+39.11	750.55	750.58
F	138+74.00	+39.18	750.50	750.52
⊕ E. Abut	138+80.76	+39.28	750.47	750.47
Bk. E. Abut	138+82.03	+39.30	750.46	750.46

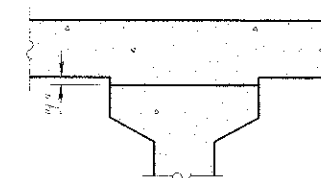


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete, excluding beams).

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.



To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown above, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS