

DEAD LOAD DEFLECTION DIAGRAM

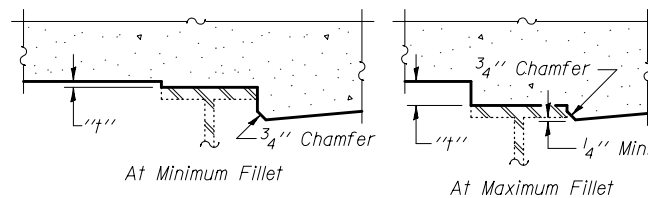
(Includes weight of concrete only.)

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 and on sheets 8 thru 10 of 62.

TABLE OF VARIABLE DIMENSIONS

Beam No.	Dim. A	Dim. B	Dim. C	Dim. D
1	97'-11 ³ / ₄ "	94'-7 ³ / ₄ "	24'-5 ⁵ / ₁₆ "	23'-7 ⁵ / ₁₆ "
2	97'-11 ³ / ₁₆ "	94'-7 ³ / ₁₆ "	±24'-5 ⁵ / ₁₆ "	±23'-7 ⁵ / ₁₆ "
3 thru 14	98'-0"	94'-8"	24'-6"	23'-8"
15	97'-11 ³ / ₁₆ "	94'-7 ³ / ₁₆ "	±24'-5 ⁵ / ₁₆ "	±23'-7 ⁵ / ₁₆ "
16	97'-11 ³ / ₄ "	94'-7 ³ / ₄ "	24'-5 ⁵ / ₁₆ "	23'-7 ⁵ / ₁₆ "



To determine "t": Elevations of the top flanges of the existing beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

Notes:

Negative offset denotes an offset to the left of Profile Grade. Offsets for Beams 1 thru 8 are based off of PG W.B. Roadway. Offsets for Beams 9 thru 16 are based off of PG E.B. Roadway.

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	135+71.14	-43.75	694.20	694.20
⊕ Brg. W. Abut.	135+71.94	-43.76	694.19	694.19
D	135+81.93	-43.91	694.12	694.15
E	135+91.93	-44.05	694.05	694.11
F	136+01.93	-44.20	693.98	694.05
G	136+11.93	-44.34	693.90	693.99
H	136+21.93	-44.49	693.83	693.91
I	136+31.93	-44.63	693.75	693.81
J	136+41.93	-44.77	693.67	693.71
K	136+51.93	-44.92	693.58	693.60
L	136+61.93	-45.06	693.49	693.49
⊕ Brg. Pier 1	136+69.90	-45.18	693.41	693.41
M	136+79.90	-45.33	693.31	693.32
N	136+89.90	-45.47	693.21	693.23
O	136+99.90	-45.62	693.10	693.14
P	137+09.90	-45.76	692.99	693.04
Q	137+19.90	-45.91	692.87	692.94
R	137+29.90	-46.05	692.75	692.82
S	137+39.90	-46.19	692.63	692.69
T	137+49.90	-46.34	692.50	692.54
⊕ Brg. E. Abut.	137+64.54	-46.55	692.32	692.32
Bk. E. Abut.	137+65.33	-46.56	692.30	692.30

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	135+71.28	-37.99	694.32	694.32
⊕ Brg. W. Abut.	135+72.07	-38.00	694.31	694.31
D	135+82.07	-38.08	694.24	694.27
E	135+92.07	-38.16	694.17	694.23
F	136+02.07	-38.23	694.10	694.18
G	136+12.07	-38.31	694.03	694.11
H	136+22.07	-38.39	693.95	694.03
I	136+32.07	-38.47	693.88	693.94
J	136+42.07	-38.55	693.80	693.84
K	136+52.07	-38.62	693.71	693.73
L	136+62.07	-38.70	693.62	693.63
⊕ Brg. Pier 1	136+70.05	-38.76	693.55	693.55
M	136+80.05	-38.84	693.45	693.45
N	136+90.05	-38.92	693.34	693.36
O	137+00.05	-39.00	693.24	693.27
P	137+10.05	-39.07	693.13	693.18
Q	137+20.05	-39.15	693.01	693.08
R	137+30.05	-39.23	692.89	692.96
S	137+40.05	-39.31	692.77	692.83
T	137+50.05	-39.39	692.65	692.69
⊕ Brg. E. Abut.	137+64.70	-39.50	692.47	692.47
Bk. E. Abut.	137+65.50	-39.51	692.45	692.45

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	135+71.42	-32.25	694.44	694.44
⊕ Brg. W. Abut.	135+72.21	-32.25	694.43	694.43
D	135+82.21	-32.25	694.36	694.40
E	135+92.21	-32.25	694.29	694.36
F	136+02.21	-32.25	694.22	694.30
G	136+12.21	-32.25	694.15	694.24
H	136+22.21	-32.25	694.08	694.16
I	136+32.21	-32.25	694.01	694.07
J	136+42.21	-32.25	693.93	693.97
K	136+52.21	-32.25	693.84	693.86
L	136+62.21	-32.25	693.75	693.76
⊕ Brg. Pier 1	136+70.21	-32.25	693.68	693.68
M	136+80.21	-32.25	693.58	693.59
N	136+90.21	-32.25	693.48	693.50
O	137+00.21	-32.25	693.38	693.41
P	137+10.21	-32.25	693.27	693.32
Q	137+20.21	-32.25	693.15	693.22
R	137+30.21	-32.25	693.04	693.11
S	137+40.21	-32.25	692.91	692.98
T	137+50.21	-32.25	692.79	692.84
⊕ Brg. E. Abut.	137+64.88	-32.25	692.61	692.61
Bk. E. Abut.	137+65.67	-32.25	692.60	692.60

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	135+71.59	-25.00	694.59	694.59
⊕ Brg. W. Abut.	135+72.38	-25.00	694.58	694.58
D	135+82.38	-25.00	694.51	694.55
E	135+92.38	-25.00	694.44	694.51
F	136+02.38	-25.00	694.37	694.46
G	136+12.38	-25.00	694.30	694.40
H	136+22.38	-25.00	694.23	694.32
I	136+32.38	-25.00	694.16	694.22
J	136+42.38	-25.00	694.08	694.12
K	136+52.38	-25.00	693.99	694.01
L	136+62.38	-25.00	693.90	693.91
⊕ Brg. Pier 1	136+70.38	-25.00	693.83	693.83
M	136+80.38	-25.00	693.73	693.74
N	136+90.38	-25.00	693.63	693.65
O	137+00.38	-25.00	693.53	693.57
P	137+10.38	-25.00	693.42	693.48
Q	137+20.38	-25.00	693.30	693.37
R	137+30.38	-25.00	693.18	693.26
S	137+40.38	-25.00	693.06	693.13
T	137+50.38	-25.00	692.94	692.99
⊕ Brg. E. Abut.	137+65.05	-25.00	692.76	692.76
Bk. E. Abut.	137+65.84	-25.00	692.75	692.75