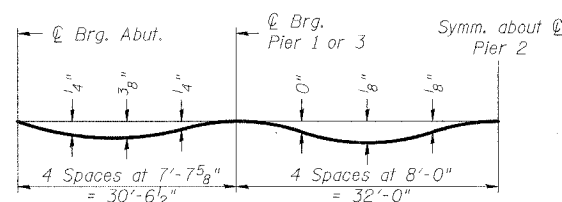


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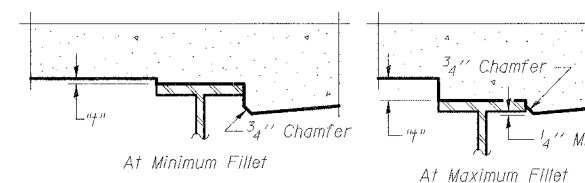


**DEAD LOAD DEFLECTION DIAGRAM**

(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.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the 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**

**PROFILE GRADE LINE  
CENTERLINE BRIDGE, & CROWN**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	21+78.56	0.000	646.99	646.99
☉ of Brg. W. Abut.	21+80.35	0.000	647.03	647.03
A	21+90.35	0.000	647.25	647.28
B	22+00.35	0.000	647.47	647.49
☉ Brg. Pier 1	22+10.89	0.000	647.70	647.70
C	22+20.89	0.000	647.92	647.93
D	22+30.89	0.000	648.14	648.15
☉ Brg. Pier 2	22+42.89	0.000	648.41	648.41
E	22+52.89	0.000	648.63	648.64
F	22+62.89	0.000	648.85	648.86
☉ Brg. Pier 3	22+74.89	0.000	649.11	649.11
G	22+84.89	0.000	649.33	649.35
H	22+94.89	0.000	649.55	649.58
☉ of Brg. E. Abut.	23+05.44	0.000	649.79	649.79
Bk. E. Abut.	23+07.23	0.000	649.83	649.83

**BEAM 4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	21+78.56	2.792	646.95	646.95
☉ of Brg. W. Abut.	21+80.35	2.792	646.98	646.98
A	21+90.35	2.792	647.20	647.23
B	22+00.35	2.792	647.42	647.45
☉ Brg. Pier 1	22+10.89	2.792	647.66	647.66
C	22+20.89	2.792	647.88	647.89
D	22+30.89	2.792	648.10	648.11
☉ Brg. Pier 2	22+42.89	2.792	648.36	648.36
E	22+52.89	2.792	648.58	648.59
F	22+62.89	2.792	648.80	648.81
☉ Brg. Pier 3	22+74.89	2.792	649.07	649.07
G	22+84.89	2.792	649.29	649.31
H	22+94.89	2.792	649.51	649.54
☉ of Brg. E. Abut.	23+05.44	2.792	649.74	649.74
Bk. E. Abut.	23+07.23	2.792	649.78	649.78

**BEAM 5**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	21+78.56	8.375	646.86	646.86
☉ of Brg. W. Abut.	21+80.35	8.375	646.90	646.90
A	21+90.35	8.375	647.12	647.15
B	22+00.35	8.375	647.34	647.36
☉ Brg. Pier 1	22+10.89	8.375	647.57	647.57
C	22+20.89	8.375	647.79	647.80
D	22+30.89	8.375	648.01	648.02
☉ Brg. Pier 2	22+42.89	8.375	648.28	648.28
E	22+52.89	8.375	648.50	648.51
F	22+62.89	8.375	648.72	648.73
☉ Brg. Pier 3	22+74.89	8.375	648.98	648.98
G	22+84.89	8.375	649.20	649.22
H	22+94.89	8.375	649.42	649.45
☉ of Brg. E. Abut.	23+05.44	8.375	649.65	649.65
Bk. E. Abut.	23+07.23	8.375	649.69	649.69

**BEAM 6**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	21+78.56	13.958	646.77	646.77
☉ of Brg. W. Abut.	21+80.35	13.958	646.81	646.81
A	21+90.35	13.958	647.03	647.06
B	22+00.35	13.958	647.25	647.27
☉ Brg. Pier 1	22+10.89	13.958	647.48	647.48
C	22+20.89	13.958	647.70	647.71
D	22+30.89	13.958	647.92	647.94
☉ Brg. Pier 2	22+42.89	13.958	648.19	648.19
E	22+52.89	13.958	648.41	648.42
F	22+62.89	13.958	648.63	648.64
☉ Brg. Pier 3	22+74.89	13.958	648.89	648.89
G	22+84.89	13.958	649.11	649.14
H	22+94.89	13.958	649.34	649.36
☉ of Brg. E. Abut.	23+05.44	13.958	649.57	649.57
Bk. E. Abut.	23+07.23	13.958	649.61	649.61

DESIGNED	KMA
CHECKED	AEU
DRAWN	WJH
CHECKED	RGD

All offsets are measured from ☉ of Bridge



LASALLE COUNTY HIGHWAY DEPARTMENT

TOP OF SLAB ELEVATIONS II

LASALLE STREET  
OVER SOMONAUK CREEK  
VILLAGE OF SOMONAUK  
SECTION NO. 05-00627-00-BR  
STRUCTURE NO. 050-3057

DATE 11-16-2007