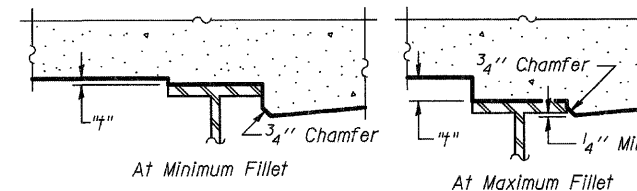


DEAD LOAD DEFLECTION DIAGRAM

(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 on sheets 5 thru 7 of 32.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 4 of 32. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflection" shown on sheets 5 thru 7 of 32, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back South Abut.	240+29.58	10.53	428.82	428.82
☉ Brg. South Abut.	240+30.92	10.50	428.82	428.82
A	240+40.89	10.31	428.85	428.86
B	240+50.85	10.15	428.88	428.89
C	240+60.82	10.03	428.90	428.91
☉ Brg. Pier 1	240+67.12	9.96	428.91	428.91
D	240+77.09	9.89	428.93	428.94
E	240+87.06	9.85	428.94	428.97
F	240+97.02	9.83	428.94	428.97
G	241+06.99	9.85	428.94	428.96
☉ Brg. Pier 2	241+16.96	9.90	428.94	428.94
H	241+26.93	9.98	428.93	428.93
I	241+36.90	10.10	428.92	428.93
J	241+46.87	10.24	428.90	428.90
☉ Brg. North Abut.	241+53.16	10.35	428.88	428.88
Back North Abut.	241+54.51	10.37	428.88	428.88

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back South Abut.	240+26.97	17.42	429.04	429.04
☉ Brg. South Abut.	240+28.31	17.39	429.04	429.04
A	240+38.26	17.19	429.08	429.09
B	240+48.20	17.03	429.11	429.12
C	240+58.15	16.89	429.13	429.13
☉ Brg. Pier 1	240+64.43	16.82	429.14	429.14
D	240+74.38	16.74	429.16	429.17
E	240+84.33	16.69	429.17	429.20
F	240+94.28	16.67	429.18	429.21
G	241+04.22	16.68	429.18	429.19
☉ Brg. Pier 2	241+14.17	16.72	429.17	429.17
H	241+24.12	16.79	429.17	429.17
I	241+34.07	16.90	429.15	429.16
J	241+44.01	17.03	429.13	429.14
☉ Brg. North Abut.	241+50.29	17.13	429.12	429.12
Back North Abut.	241+51.64	17.16	429.12	429.12



FILE NAME =	USER NAME =	DESIGNED - MJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF SLAB ELEVATIONS STRUCTURE NO. 039-0073	F.A.S. RTE. 1908	SECTION (13B)I-2	COUNTY JACKSON	TOTAL SHEETS 71	SHEET NO. 46	
	PLOT SCALE =	CHECKED - RLM	REVISED -			CONTRACT NO. 98898					
	PLOT DATE = 12/02/2010	DRAWN - PRC	REVISED -			ILLINOIS FED. AID PROJECT					
		CHECKED - MJP	REVISED -			SHEET NO. 7 OF 32 SHEETS					