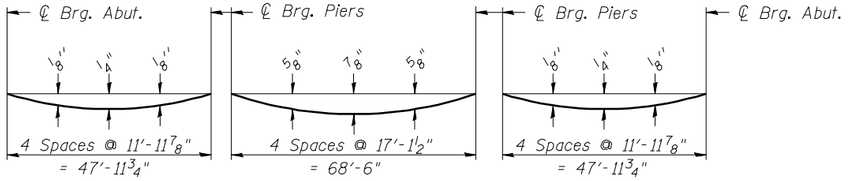


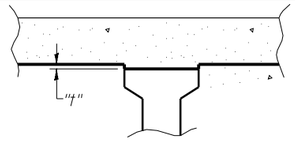
DEAD LOAD DEFLECTION DIAGRAM

(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 sheet 6 of 27

BEAM 1

LOCATION	STATION	OFFSET		THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. Of W. Abut	306+06.87	16.25	Lt.	594.95	594.95
Cl. W. Abut	306+08.13	16.25	Lt.	594.96	594.96
A	306+18.13	16.25	Lt.	595.07	595.08
B	306+28.13	16.25	Lt.	595.16	595.18
C	306+38.13	16.25	Lt.	595.25	595.27
D	306+48.13	16.25	Lt.	595.33	595.34
W. Cl. Brg. Pier 1	306+56.12	16.25	Lt.	595.39	595.39
Cl. Pier 1	306+56.87	16.25	Lt.	595.39	595.39
E. Cl. Brg. Pier 1	306+57.62	16.25	Lt.	595.40	595.40
E	306+67.62	16.25	Lt.	595.46	595.49
F	306+77.62	16.25	Lt.	595.51	595.57
G	306+87.62	16.25	Lt.	595.56	595.63
H	306+97.62	16.25	Lt.	595.59	595.66
I	307+07.62	16.25	Lt.	595.62	595.68
J	307+17.62	16.25	Lt.	595.64	595.67
W. Cl. Brg. Pier 2	307+26.12	16.25	Lt.	595.63	595.63
Cl. Pier 2	307+26.87	16.25	Lt.	595.64	595.64
E. Cl. Brg. Pier 2	307+27.62	16.25	Lt.	595.64	595.64
K	307+37.62	16.25	Lt.	595.64	595.65
L	307+47.62	16.25	Lt.	595.63	595.64
M	307+57.62	16.25	Lt.	595.61	595.62
N	307+67.62	16.25	Lt.	595.58	595.59
Cl. E. Abut	307+75.60	16.25	Lt.	595.56	595.56
Bk. Of E. Abut	307+76.87	16.25	Lt.	595.55	595.55



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 and on sheet 6 of 27, minus slab thickness, equals the fillet heights "t" above top flange of beams.

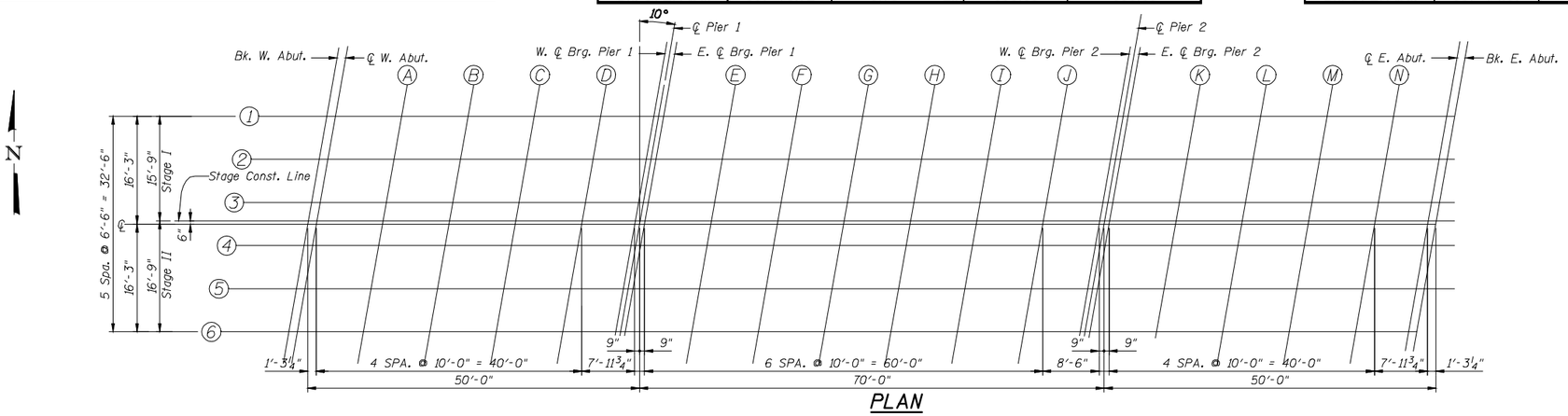
FILLET HEIGHTS

BEAM 2

LOCATION	STATION	OFFSET		THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. Of W. Abut	306+05.72	9.75	Lt.	595.06	595.06
Cl. W. Abut	306+06.99	9.75	Lt.	595.07	595.07
A	306+16.99	9.75	Lt.	595.18	595.19
B	306+26.99	9.75	Lt.	595.28	595.29
C	306+36.99	9.75	Lt.	595.37	595.38
D	306+46.99	9.75	Lt.	595.45	595.46
W. Cl. Brg. Pier 1	306+54.97	9.75	Lt.	595.50	595.50
Cl. Pier 1	306+55.72	9.75	Lt.	595.51	595.51
E. Cl. Brg. Pier 1	306+56.47	9.75	Lt.	595.51	595.51
E	306+66.47	9.75	Lt.	595.58	595.61
F	306+76.47	9.75	Lt.	595.63	595.69
G	306+86.47	9.75	Lt.	595.68	595.74
H	306+96.47	9.75	Lt.	595.71	595.78
I	307+06.47	9.75	Lt.	595.74	595.80
J	307+16.47	9.75	Lt.	595.76	595.79
W. Cl. Brg. Pier 2	307+24.97	9.75	Lt.	595.77	595.77
Cl. Pier 2	307+25.72	9.75	Lt.	595.76	595.76
E. Cl. Brg. Pier 2	307+26.47	9.75	Lt.	595.76	595.76
K	307+36.47	9.75	Lt.	595.76	595.77
L	307+46.47	9.75	Lt.	595.75	595.77
M	307+56.47	9.75	Lt.	595.74	595.75
N	307+66.47	9.75	Lt.	595.71	595.72
Cl. E. Abut	307+74.45	9.75	Lt.	595.68	595.68
Bk. Of E. Abut	307+75.72	9.75	Lt.	595.68	595.68

BEAM 3

LOCATION	STATION	OFFSET		THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. Of W. Abut	306+04.57	3.25	Lt.	595.14	595.14
Cl. W. Abut	306+05.84	3.25	Lt.	595.16	595.16
A	306+15.84	3.25	Lt.	595.27	595.28
B	306+25.84	3.25	Lt.	595.37	595.38
C	306+35.84	3.25	Lt.	595.46	595.47
D	306+45.84	3.25	Lt.	595.54	595.55
W. Cl. Brg. Pier 1	306+53.82	3.25	Lt.	595.60	595.60
Cl. Pier 1	306+54.57	3.25	Lt.	595.60	595.60
E. Cl. Brg. Pier 1	306+55.32	3.25	Lt.	595.61	595.61
E	306+65.32	3.25	Lt.	595.67	595.70
F	306+75.32	3.25	Lt.	595.73	595.78
G	306+85.32	3.25	Lt.	595.77	595.84
H	306+95.32	3.25	Lt.	595.81	595.88
I	307+05.32	3.25	Lt.	595.84	595.90
J	307+15.32	3.25	Lt.	595.86	595.89
W. Cl. Brg. Pier 2	307+23.82	3.25	Lt.	595.87	595.87
Cl. Pier 2	307+24.57	3.25	Lt.	595.87	595.87
E. Cl. Brg. Pier 2	307+25.32	3.25	Lt.	595.86	595.86
K	307+35.32	3.25	Lt.	595.86	595.87
L	307+45.32	3.25	Lt.	595.86	595.87
M	307+55.32	3.25	Lt.	595.84	595.86
N	307+65.32	3.25	Lt.	595.82	595.82
Cl. E. Abut	307+73.30	3.25	Lt.	595.79	595.79
Bk. Of E. Abut	307+74.57	3.25	Lt.	595.79	595.79



PLAN

TOP OF SLAB ELEVATIONS STRUCTURE NO. 054-0514

USER NAME:	DESIGNED - RTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - MSD	REVISED -	
PLOT SCALE:	CHECKED - KEB	REVISED -	
PLOT DATE:	DATE -	REVISED -	

TOP OF SLAB ELEVATIONS SHEET 1 OF 4

SCALE: | SHEET NO. 5 OF 27 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
717	109B-3	LOGAN	73	40
		CONTRACT NO. 72A88		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SODEMANN AND ASSOCIATES, INC.

07100