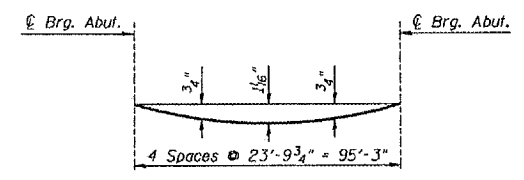
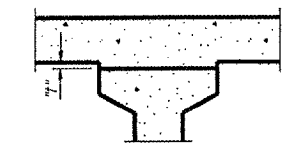


PLAN VIEW



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 below.



To determine "f": After all precast prestressed beams have 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 Deflections" shown below, minus slab thickness, equals the fillet heights "f" above top flanges of beams.

FILLET HEIGHTS

BEAM ①

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	453+80.17	16.00	609.869	609.869
⊕ Brg. N. Abut.	453+81.62	16.00	609.895	609.895
A	453+91.62	16.00	610.084	610.113
B	454+01.62	16.00	610.290	610.345
C	454+11.62	16.00	610.513	610.588
D	454+21.62	16.00	610.754	610.839
E	454+31.62	16.00	611.012	611.100
F	454+41.62	16.00	611.287	611.368
G	454+51.62	16.00	611.580	611.646
H	454+61.62	16.00	611.890	611.933
I	454+71.62	16.00	612.217	612.233
⊕ Brg. S. Abut.	454+76.87	16.00	612.395	612.395
Back S. Abut.	454+78.31	16.00	612.449	612.449

BEAM ②

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	453+77.09	10.67	609.923	609.923
⊕ Brg. N. Abut.	453+78.54	10.67	609.945	609.945
A	453+88.54	10.67	610.128	610.158
B	453+98.54	10.67	610.329	610.384
C	454+08.54	10.67	610.547	610.621
D	454+18.54	10.67	610.782	610.868
E	454+28.54	10.67	611.035	611.123
F	454+38.54	10.67	611.305	611.386
G	454+48.54	10.67	611.592	611.658
H	454+58.54	10.67	611.897	611.940
I	454+68.54	10.67	612.219	612.234
⊕ Brg. S. Abut.	454+73.79	10.67	612.395	612.395
Back S. Abut.	454+75.23	10.67	612.443	612.443

BEAM ③

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	453+74.01	5.33	609.947	609.947
⊕ Brg. N. Abut.	453+75.46	5.33	609.975	609.975
A	453+85.46	5.33	610.153	610.183
B	453+95.46	5.33	610.349	610.404
C	454+05.46	5.33	610.561	610.636
D	454+15.46	5.33	610.791	610.877
E	454+25.46	5.33	611.039	611.127
F	454+35.46	5.33	611.303	611.385
G	454+45.46	5.33	611.585	611.651
H	454+55.46	5.33	611.884	611.928
I	454+65.46	5.33	612.201	612.217
⊕ Brg. S. Abut.	454+70.71	5.33	612.374	612.374
Back S. Abut.	454+72.15	5.33	612.427	612.427

BONDED CONSTRUCTION JOINT

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	453+72.37	2.50	609.971	609.971
⊕ Brg. N. Abut.	453+73.82	2.50	609.992	609.992
A	453+83.82	2.50	610.167	610.197
B	453+93.82	2.50	610.360	610.415
C	454+03.82	2.50	610.570	610.644
D	454+13.82	2.50	610.797	610.882
E	454+23.82	2.50	611.041	611.129
F	454+33.82	2.50	611.303	611.384
G	454+43.82	2.50	611.582	611.648
H	454+53.82	2.50	611.878	611.922
I	454+63.82	2.50	612.192	612.208
⊕ Brg. S. Abut.	454+69.07	2.50	612.364	612.364
Back S. Abut.	454+70.51	2.50	612.411	612.411

⊕ ROADWAY/BEAM ④

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	453+70.93	0.00	609.980	609.980
⊕ Brg. N. Abut.	453+72.38	0.00	610.007	610.007
A	453+82.38	0.00	610.180	610.210
B	453+92.38	0.00	610.370	610.425
C	454+02.38	0.00	610.577	610.652
D	454+12.38	0.00	610.802	610.888
E	454+22.38	0.00	611.044	611.132
F	454+32.38	0.00	611.303	611.385
G	454+42.38	0.00	611.580	611.646
H	454+52.38	0.00	611.874	611.917
I	454+62.38	0.00	612.185	612.201
⊕ Brg. S. Abut.	454+67.63	0.00	612.355	612.355
Back S. Abut.	454+69.07	0.00	612.400	612.400

BEAM ⑤

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	453+67.85	5.33	609.847	609.847
⊕ Brg. N. Abut.	453+69.30	5.33	609.874	609.874
A	453+79.30	5.33	610.042	610.071
B	453+89.30	5.33	610.226	610.282
C	453+99.30	5.33	610.428	610.503
D	454+09.30	5.33	610.648	610.733
E	454+19.30	5.33	610.884	610.972
F	454+29.30	5.33	611.138	611.320
G	454+39.30	5.33	611.410	611.746
H	454+49.30	5.33	611.698	611.742
I	454+59.30	5.33	612.004	612.020
⊕ Brg. S. Abut.	454+64.55	5.33	612.172	612.172
Back S. Abut.	454+65.99	5.33	612.217	612.217

BEAM ⑥

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	453+64.77	10.67	609.723	609.723
⊕ Brg. N. Abut.	453+66.22	10.67	609.743	609.743
A	453+76.22	10.67	609.905	609.934
B	453+86.22	10.67	610.084	610.139
C	453+96.22	10.67	610.281	610.355
D	454+06.22	10.67	610.495	610.581
E	454+16.22	10.67	610.726	610.814
F	454+26.22	10.67	610.975	611.056
G	454+36.22	10.67	611.241	611.307
H	454+46.22	10.67	611.524	611.568
I	454+56.22	10.67	611.825	611.840
⊕ Brg. S. Abut.	454+61.47	10.67	611.989	611.989
Back S. Abut.	454+62.91	10.67	612.033	612.033

BEAM ⑦

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	453+61.69	16.00	609.569	609.569
⊕ Brg. N. Abut.	453+63.14	16.00	609.592	609.592
A	453+73.14	16.00	609.749	609.778
B	453+83.14	16.00	609.923	609.978
C	453+93.14	16.00	610.114	610.188
D	454+03.14	16.00	610.323	610.408
E	454+13.14	16.00	610.549	610.637
F	454+23.14	16.00	610.792	610.873
G	454+33.14	16.00	611.053	611.119
H	454+43.14	16.00	611.330	611.374
I	454+53.14	16.00	611.626	611.642
⊕ Brg. S. Abut.	454+58.39	16.00	611.788	611.788
Back S. Abut.	454+59.83	16.00	611.829	611.829

TOP OF SLAB ELEVATIONS
F.A.P. 310, SECTION (41A)BR-1
U.S. ROUTE 67 OVER GRINDSTONE CREEK
McDONOUGH COUNTY
STA. 454+20 (S.N. 055-0049)
 WHA # 1050003