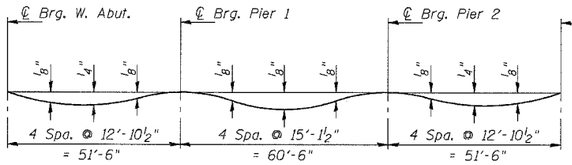
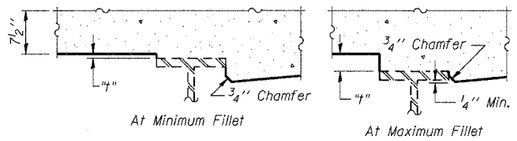


DEAD LOAD DEFLECTION DIAGRAM FOR ALL BEAMS

(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 4 of 19.



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 on sheets 4 and 5 of 19, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 821	(15-2)BR	JEFFERSON	33	17
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

Sheet 5 of 19 CONTRACT #98958

BONDED STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	12897.77	-0.750	454.875	454.875
℄ Brg. W. Abut.	12900.02	-0.782	454.874	454.874
A	12910.02	-0.915	454.872	454.880
B	12920.02	-1.030	454.869	454.886
C	12930.02	-1.128	454.867	454.885
D	12940.02	-1.208	454.866	454.875
℄ Pier 1	12951.53	-1.278	454.864	454.864
E	12961.53	-1.321	454.864	454.870
F	12971.53	-1.346	454.863	454.873
G	12981.53	-1.354	454.863	454.873
H	12991.53	-1.344	454.863	454.874
I	13001.54	-1.317	454.864	454.871
℄ Pier 2	13012.04	-1.270	454.865	454.865
J	13022.04	-1.207	454.866	454.874
K	13032.04	-1.127	454.867	454.884
L	13042.04	-1.029	454.869	454.887
M	13052.05	-0.914	454.872	454.881
℄ Brg. E. Abut.	13063.55	-0.760	454.875	454.875
Bk. E. Abut.	13065.80	-0.727	454.875	454.875

℄ STRUCTURE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	12897.21	0.258	454.895	454.895
℄ Brg. W. Abut.	12899.46	0.226	454.895	454.895
A	12909.45	0.092	454.892	454.900
B	12919.45	-0.024	454.890	454.906
C	12929.45	-0.122	454.888	454.905
D	12939.45	-0.204	454.886	454.895
℄ Pier 1	12950.95	-0.275	454.884	454.884
E	12960.95	-0.319	454.884	454.891
F	12970.95	-0.345	454.883	454.894
G	12980.95	-0.354	454.883	454.893
H	12990.96	-0.345	454.883	454.894
I	13000.96	-0.319	454.884	454.891
℄ Pier 2	13011.46	-0.273	454.885	454.885
J	13021.46	-0.211	454.886	454.894
K	13031.46	-0.132	454.887	454.904
L	13041.46	-0.035	454.889	454.907
M	13051.46	0.079	454.892	454.901
℄ Brg. E. Abut.	13062.95	0.231	454.895	454.895
Bk. E. Abut.	13065.20	0.264	454.895	454.895

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	12895.47	3.367	454.957	454.957
℄ Brg. W. Abut.	12897.72	3.334	454.957	454.957
A	12907.71	3.198	454.954	454.962
B	12917.71	3.078	454.952	454.968
C	12927.70	2.977	454.950	454.967
D	12937.70	2.893	454.948	454.957
℄ Pier 1	12949.19	2.817	454.946	454.946
E	12959.19	2.771	454.945	454.952
F	12969.18	2.741	454.945	454.955
G	12979.18	2.729	454.945	454.955
H	12989.17	2.735	454.945	454.955
I	12999.17	2.758	454.945	454.952
℄ Pier 2	13009.66	2.801	454.946	454.946
J	13019.66	2.860	454.947	454.955
K	13029.65	2.936	454.949	454.965
L	13039.64	3.029	454.951	454.968
M	13049.64	3.140	454.953	454.962
℄ Brg. E. Abut.	13061.13	3.289	454.956	454.956
Bk. E. Abut.	13063.38	3.321	454.956	454.956

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	12892.01	9.587	455.082	455.082
℄ Brg. W. Abut.	12894.26	9.553	455.081	455.081
A	12904.24	9.410	455.078	455.086
B	12914.22	9.295	455.076	455.092
C	12924.20	9.178	455.074	455.091
D	12934.19	9.087	455.072	455.081
℄ Pier 1	12945.67	9.005	455.070	455.070
E	12955.65	8.952	455.069	455.076
F	12965.64	8.917	455.068	455.079
G	12975.62	8.898	455.068	455.078
H	12985.61	8.898	455.068	455.078
I	12995.59	8.914	455.068	455.076
℄ Pier 2	13006.08	8.951	455.069	455.069
J	13016.06	9.003	455.070	455.078
K	13026.04	9.073	455.071	455.088
L	13036.03	9.160	455.073	455.091
M	13046.01	9.265	455.075	455.085
℄ Brg. E. Abut.	13057.49	9.407	455.078	455.078
Bk. E. Abut.	13059.74	9.437	455.079	455.079

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	12888.55	15.810	455.206	455.206
℄ Brg. W. Abut.	12890.80	15.774	455.205	455.205
A	12900.77	15.625	455.203	455.211
B	12910.74	15.494	455.200	455.216
C	12920.71	15.380	455.198	455.215
D	12930.69	15.284	455.196	455.205
℄ Pier 1	12942.16	15.194	455.194	455.194
E	12952.13	15.135	455.193	455.200
F	12962.10	15.094	455.192	455.202
G	12972.08	15.070	455.191	455.202
H	12982.05	15.063	455.191	455.202
I	12992.03	15.073	455.191	455.199
℄ Pier 2	13002.50	15.103	455.192	455.192
J	13012.47	15.149	455.193	455.201
K	13022.44	15.213	455.194	455.210
L	13032.42	15.294	455.196	455.213
M	13042.39	15.392	455.198	455.207
℄ Brg. E. Abut.	13053.86	15.527	455.201	455.201
Bk. E. Abut.	13056.10	15.556	455.201	455.201

BEAM 6A

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	12886.50	19.510	455.280	455.280
℄ Brg. W. Abut.	12888.75	19.474	455.279	455.279
A	12898.71	19.322	455.276	455.285
B	12908.68	19.187	455.274	455.290
C	12918.64	19.069	455.271	455.289
D	12928.61	18.969	455.269	455.279
℄ Pier 1	12940.07	18.876	455.268	455.268
E	12950.04	18.813	455.266	455.273
F	12960.01	18.768	455.265	455.276
G	12969.97	18.740	455.265	455.275
H	12979.94	18.729	455.265	455.275
I	12989.91	18.736	455.265	455.272
℄ Pier 2	13000.37	18.762	455.265	455.265
J	13010.34	18.805	455.266	455.274
K	13020.31	18.864	455.267	455.283
L	13030.28	18.942	455.269	455.286
M	13040.24	19.036	455.271	455.280
℄ Brg. E. Abut.	13051.70	19.167	455.273	455.273
Bk. E. Abut.	13053.94	19.195	455.274	455.274

Work this sheet with sheet 4 of 19.

TOP OF SLAB ELEVATIONS

IL ROUTE 15 OVER SEVEN MILE CREEK
F.A.P. ROUTE 821 SECTION (15-2)BR
JEFFERSON COUNTY
STA. 129+81.00
S.N. 041-0027

DESIGNED	Ruben V. Boehler
CHECKED	Tim S. Howard
DRAWN	TSH / RVB
CHECKED	Michael D. Cummins

E-S 4-30-97

CUMMINS ENGINEERING CORPORATION

JOB #: 2175
FILE: 2175slab
DATE: 3/03/06