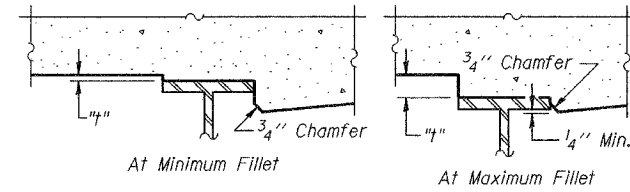
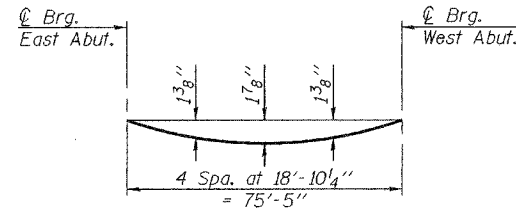


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ROUTE NO. F.A.P. 331	SECTION (12-1) B-1	COUNTY JACKSON	TOTAL SHEETS 324	SHEET NO. 234	SHEET NO. 9 32 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

Contract #98827



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 sheets 7 and 8 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 7 of 32. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflection" shown below and on sheets 7 and 8 of 32, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

BEAM 15

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK E. ABUT	5763.757	42.057	404.900	404.900
CL BRG E. ABUT	5765.059	42.062	404.901	404.901
A	5775.119	42.093	404.904	404.965
B	5785.180	42.109	404.906	405.024
C	5795.240	42.111	404.909	405.048
D	5805.301	42.099	404.911	405.062
E	5815.361	42.072	404.913	405.042
F	5825.421	42.031	404.915	405.008
G	5835.481	41.976	404.916	404.949
CL BRG W. ABUT	5840.926	41.940	404.916	404.916
BK W. ABUT	5842.227	41.931	404.916	404.916

BEAM 16

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK E. ABUT	5765.330	47.980	404.995	404.995
CL BRG E. ABUT	5766.633	47.984	404.995	404.995
A	5776.702	48.013	404.998	405.059
B	5786.771	48.027	405.001	405.118
C	5796.839	48.027	405.003	405.142
D	5806.908	48.013	405.005	405.157
E	5816.977	47.984	405.007	405.136
F	5827.046	47.941	405.009	405.103
G	5837.115	47.883	405.011	405.043
CL BRG W. ABUT	5842.564	47.846	405.011	405.011
BK W. ABUT	5843.867	47.836	405.011	405.011

BEAM 17

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK E. ABUT	5766.905	53.902	405.088	405.088
CL BRG E. ABUT	5768.209	53.907	405.088	405.088
A	5778.287	53.933	405.091	405.152
B	5788.364	53.945	405.093	405.211
C	5798.442	53.943	405.096	405.235
D	5808.519	53.926	405.098	405.249
E	5818.597	53.895	405.100	405.229
F	5828.674	53.849	405.102	405.195
G	5838.751	53.789	405.103	405.136
CL BRG W. ABUT	5844.205	53.751	405.104	405.104
BK W. ABUT	5845.509	53.741	405.104	405.104

BEAM 18

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK E. ABUT	5768.483	59.825	405.011	405.011
CL BRG E. ABUT	5769.788	59.829	405.012	405.012
A	5779.874	59.853	405.014	405.074
B	5789.960	59.863	405.016	405.133
C	5800.046	59.858	405.018	405.158
D	5810.133	59.839	405.021	405.172
E	5820.219	59.805	405.024	405.153
F	5830.304	59.758	405.027	405.121
G	5840.390	59.695	405.031	405.064
CL BRG W. ABUT	5845.849	59.656	405.033	405.033
BK W. ABUT	5847.154	59.646	405.033	405.033

NORTH STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK E. ABUT	5769.551	63.828	404.949	404.949
CL BRG E. ABUT	5770.857	63.832	404.949	404.949
A	5780.949	63.855	404.951	405.012
B	5791.041	63.863	404.954	405.071
C	5801.133	63.857	404.956	405.096
D	5811.225	63.836	404.959	405.110
E	5821.317	63.801	404.962	405.091
F	5831.408	63.752	404.965	405.059
G	5841.500	63.688	404.969	405.001
CL BRG W. ABUT	5846.961	63.647	404.971	404.971
BK W. ABUT	5848.267	63.637	404.971	404.971

BEAM 19

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK E. ABUT	5770.064	65.747	404.919	404.919
CL BRG E. ABUT	5771.370	65.751	404.920	404.920
A	5781.465	65.773	404.922	404.982
B	5791.559	65.780	404.924	405.041
C	5801.654	65.773	404.927	405.066
D	5811.749	65.752	404.929	405.080
E	5821.843	65.716	404.932	405.061
F	5831.938	65.666	404.935	405.029
G	5842.032	65.601	404.939	404.972
CL BRG W. ABUT	5847.495	65.560	404.941	404.941
BK W. ABUT	5848.801	65.550	404.941	404.941

BEAM 20

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK E. ABUT	5771.647	71.669	404.800	404.800
CL BRG E. ABUT	5772.954	71.672	404.800	404.800
A	5783.058	71.692	404.802	404.863
B	5793.161	71.697	404.805	404.922
C	5803.264	71.688	404.807	404.946
D	5813.368	71.664	404.810	404.961
E	5823.471	71.626	404.813	404.942
F	5833.574	71.573	404.817	404.910
G	5843.677	71.506	404.821	404.854
CL BRG W. ABUT	5849.144	71.464	404.823	404.823
BK W. ABUT	5850.452	71.453	404.823	404.823

BEAM 21

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK E. ABUT	5773.233	77.590	404.677	404.677
CL BRG E. ABUT	5774.542	77.593	404.677	404.677
A	5784.654	77.610	404.680	404.740
B	5794.765	77.613	404.682	404.799
C	5804.877	77.602	404.685	404.824
D	5814.989	77.576	404.688	404.839
E	5825.101	77.535	404.691	404.820
F	5835.213	77.480	404.694	404.789
G	5845.324	77.411	404.698	404.731
CL BRG W. ABUT	5850.796	77.368	404.700	404.700
BK W. ABUT	5852.105	77.357	404.701	404.701

BEAM 22

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK E. ABUT	5774.822	83.511	404.554	404.554
CL BRG E. ABUT	5776.132	83.514	404.555	404.555
A	5786.252	83.529	404.557	404.618
B	5796.373	83.529	404.559	404.676
C	5806.493	83.516	404.562	404.701
D	5816.614	83.487	404.565	404.716
E	5826.734	83.445	404.568	404.697
F	5836.854	83.387	404.572	404.666
G	5846.974	83.316	404.576	404.609
CL BRG W. ABUT	5852.451	83.271	404.578	404.578
BK W. ABUT	5853.761	83.260	404.579	404.579

BEAM 23

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK E. ABUT	5776.413	89.432	404.432	404.432
CL BRG E. ABUT	5777.724	89.434	404.432	404.432
A	5787.853	89.447	404.434	404.495
B	5797.983	89.445	404.437	404.554
C	5808.112	89.429	404.439	404.579
D	5818.241	89.398	404.442	404.594
E	5828.370	89.353	404.446	404.575
F	5838.499	89.294	404.449	404.543
G	5848.628	89.220	404.453	404.486
CL BRG W. ABUT	5854.109	89.174	404.456	404.456
BK W. ABUT	5855.420	89.162	404.456	404.456

DESIGNED	Curt M. Evoy
CHECKED	Rebecca L. Mitchell
DRAWN	Michael B. Mossman
CHECKED	C.M.E. / R.L.M.

March 1, 2006
EXAMINED *Thomas J. Demagala*
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

TOP OF SLAB ELEVATIONS
F.A.P. ROUTE 331 - SEC. (12-1)B-1
JACKSON COUNTY
STATION 57+91.70
STRUCTURE NO. 039-0071