

**☉ STRUCTURE &  
BONDED STAGE CONSTRUCTION JOINT**

**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	48682.800	-17.219	431.091	431.091
☉ Brg. N. Abut.	48684.033	-17.179	431.074	431.074
A	48693.901	-16.902	430.938	431.011
B	48703.771	-16.701	430.807	430.953
C	48713.644	-16.576	430.681	430.859
D	48723.519	-16.527	430.559	430.767
E	48733.393	-16.553	430.442	430.630
F	48743.267	-16.656	430.330	430.488
G	48753.139	-16.834	430.223	430.318
☉ Brg. S. Abut.	48765.967	-17.179	430.091	430.091
Bk. S. Abut.	48767.200	-17.219	430.078	430.078

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	48682.583	-10.472	430.669	430.669
☉ Brg. N. Abut.	48683.823	-10.432	430.651	430.651
A	48693.741	-10.154	430.515	430.588
B	48703.662	-9.952	430.383	430.529
C	48713.586	-9.826	430.256	430.435
D	48723.511	-9.777	430.134	430.342
E	48733.437	-9.804	430.016	430.204
F	48743.361	-9.906	429.904	430.062
G	48753.283	-10.085	429.796	429.891
☉ Brg. S. Abut.	48766.177	-10.432	429.663	429.663
Bk. S. Abut.	48767.417	-10.472	429.651	429.651

**BEAM 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	48682.364	-3.726	430.246	430.246
☉ Brg. N. Abut.	48683.610	-3.685	430.229	430.229
A	48693.579	-3.406	430.092	430.165
B	48703.552	-3.203	429.959	430.105
C	48713.527	-3.077	429.832	430.010
D	48723.503	-3.027	429.709	429.917
E	48733.480	-3.054	429.591	429.778
F	48743.456	-3.157	429.477	429.636
G	48753.429	-3.337	429.369	429.464
☉ Brg. S. Abut.	48766.390	-3.685	429.236	429.236
Bk. S. Abut.	48767.636	-3.726	429.223	429.223

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	48682.254	-0.353	430.035	430.035
☉ Brg. N. Abut.	48683.503	-0.312	430.018	430.018
A	48693.498	-0.032	429.880	429.953
B	48703.496	0.172	429.747	429.893
C	48713.497	0.298	429.619	429.798
D	48723.500	0.348	429.496	429.704
E	48733.502	0.321	429.378	429.565
F	48743.504	0.218	429.264	429.423
G	48753.503	0.037	429.156	429.251
☉ Brg. S. Abut.	48766.497	-0.312	429.022	429.022
Bk. S. Abut.	48767.746	-0.353	429.009	429.009

**BEAM 4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	48682.143	3.021	429.824	429.824
☉ Brg. N. Abut.	48683.395	3.061	429.806	429.806
A	48693.416	3.342	429.668	429.742
B	48703.440	3.546	429.535	429.681
C	48713.467	3.673	429.407	429.586
D	48723.496	3.723	429.283	429.492
E	48733.524	3.696	429.165	429.352
F	48743.552	3.592	429.051	429.209
G	48753.577	3.411	428.942	429.037
☉ Brg. S. Abut.	48766.605	3.061	428.808	428.808
Bk. S. Abut.	48767.857	3.021	428.795	428.795

**BEAM 5**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	48681.919	9.767	429.402	429.402
☉ Brg. N. Abut.	48683.178	9.808	429.384	429.384
A	48693.251	10.090	429.245	429.318
B	48703.328	10.295	429.111	429.258
C	48713.407	10.423	428.982	429.161
D	48723.488	10.473	428.858	429.066
E	48733.569	10.446	428.739	428.927
F	48743.649	10.342	428.625	428.783
G	48753.726	10.160	428.515	428.610
☉ Brg. S. Abut.	48766.822	9.808	428.380	428.380
Bk. S. Abut.	48768.081	9.767	428.368	428.368

**BEAM 6**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	48681.693	16.513	428.979	428.979
☉ Brg. N. Abut.	48682.958	16.554	428.962	428.962
A	48693.084	16.838	428.822	428.895
B	48703.214	17.044	428.688	428.834
C	48713.346	17.173	428.558	428.737
D	48723.480	17.223	428.433	428.641
E	48733.614	17.196	428.313	428.501
F	48743.747	17.091	428.198	428.357
G	48753.877	16.908	428.088	428.183
☉ Brg. S. Abut.	48767.042	16.554	427.953	427.953
Bk. S. Abut.	48768.307	16.513	427.940	427.940

Work this sheet with sheet 4 of 16.

DESIGNED	Ruben V. Boehler
CHECKED	Tim S. Howard
DRAWN	Nicole L. Darling
CHECKED	Michael D. Cummins

E-S 4-30-97

**TOP OF SLAB ELEVATIONS**

IL ROUTE 127 OVER TRIBUTARY TO CROOKED CREEK  
F.A.P. ROUTE 42 SECTION 2BR  
WASHINGTON COUNTY  
STA. 487+25  
S.N. 095-0076

CUMMINS ENGINEERING CORPORATION	JOB #: 2158
	FILE: 2158SLAB
	DATE: 11/12/04