

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 4 23 SHEETS
F.A.P. 309	7HBR-1	WHITESIDE	146	41	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract #84883

BEAM 1A

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	5024.699	-18.000	616.466	616.466
CL. BRG. W. ABUT.	5027.532	-18.000	616.428	616.428
A	5037.532	-18.000	616.290	616.303
B	5047.532	-18.000	616.145	616.164
C	5057.532	-18.000	615.994	616.010
D	5067.532	-18.000	615.836	615.844
CL. BRG. PIER 1	5077.532	-18.000	615.671	615.671
E	5087.532	-18.000	615.499	615.501
F	5097.532	-18.000	615.323	615.328
G	5107.532	-18.000	615.147	615.152
H	5117.532	-18.000	614.971	614.974
CL. BRG. PIER 2	5127.532	-18.000	614.795	614.795
I	5137.532	-18.000	614.619	614.622
J	5147.532	-18.000	614.443	614.448
K	5157.532	-18.000	614.267	614.261
L	5167.532	-18.000	614.091	614.073
CL. BRG. PIER 3	5177.532	-18.000	613.880	613.880
M	5187.532	-18.000	613.683	613.692
N	5197.532	-18.000	613.480	613.496
O	5207.532	-18.000	613.271	613.290
P	5217.532	-18.000	613.056	613.069
CL. BRG. E. ABUT.	5227.532	-18.000	612.835	612.835
BK. E. ABUT.	5230.365	-18.000	612.771	612.771

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	5021.466	-12.000	616.633	616.633
CL. BRG. W. ABUT.	5024.299	-12.000	616.596	616.596
A	5034.299	-12.000	616.460	616.473
B	5044.299	-12.000	616.318	616.336
C	5054.299	-12.000	616.168	616.185
D	5064.299	-12.000	616.012	616.021
CL. BRG. PIER 1	5074.299	-12.000	615.850	615.850
E	5084.299	-12.000	615.680	615.682
F	5094.299	-12.000	615.505	615.509
G	5104.299	-12.000	615.329	615.334
H	5114.299	-12.000	615.153	615.156
CL. BRG. PIER 2	5124.299	-12.000	614.977	614.977
I	5134.299	-12.000	614.801	614.804
J	5144.299	-12.000	614.625	614.630
K	5154.299	-12.000	614.439	614.444
L	5164.299	-12.000	614.256	614.258
CL. BRG. PIER 3	5174.299	-12.000	614.067	614.067
M	5184.299	-12.000	613.872	613.881
N	5194.299	-12.000	613.671	613.687
O	5204.299	-12.000	613.464	613.483
P	5214.299	-12.000	613.251	613.264
CL. BRG. E. ABUT.	5224.299	-12.000	613.032	613.032
BK. E. ABUT.	5227.132	-12.000	612.969	612.969

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	5018.233	-6.000	616.769	616.769
CL. BRG. W. ABUT.	5021.066	-6.000	616.732	616.732
A	5031.066	-6.000	616.599	616.612
B	5041.066	-6.000	616.458	616.477
C	5051.066	-6.000	616.311	616.327
D	5061.066	-6.000	616.157	616.166
CL. BRG. PIER 1	5071.066	-6.000	615.997	615.997
E	5081.066	-6.000	615.829	615.831
F	5091.066	-6.000	615.655	615.660
G	5101.066	-6.000	615.479	615.485
H	5111.066	-6.000	615.303	615.307
CL. BRG. PIER 2	5121.066	-6.000	615.127	615.127
I	5131.066	-6.000	614.951	614.955
J	5141.066	-6.000	614.775	614.781
K	5151.066	-6.000	614.591	614.596
L	5161.066	-6.000	614.410	614.412
CL. BRG. PIER 3	5171.066	-6.000	614.223	614.223
M	5181.066	-6.000	614.030	614.038
N	5191.066	-6.000	613.831	613.847
O	5201.066	-6.000	613.625	613.644
P	5211.066	-6.000	613.414	613.428
CL. BRG. E. ABUT.	5221.066	-6.000	613.197	613.197
BK. E. ABUT.	5223.900	-6.000	613.135	613.135

BEAM 3, C ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	5015.000	0.000	616.904	616.904
CL. BRG. W. ABUT.	5017.833	0.000	616.868	616.868
A	5027.833	0.000	616.736	616.750
B	5037.833	0.000	616.598	616.617
C	5047.833	0.000	616.453	616.469
D	5057.833	0.000	616.301	616.310
CL. BRG. PIER 1	5067.833	0.000	616.143	616.143
E	5077.833	0.000	615.978	615.980
F	5087.833	0.000	615.806	615.811
G	5097.833	0.000	615.630	615.635
H	5107.833	0.000	615.454	615.457
CL. BRG. PIER 2	5117.833	0.000	615.278	615.278
I	5127.833	0.000	615.102	615.105
J	5137.833	0.000	614.926	614.931
K	5147.833	0.000	614.742	614.747
L	5157.833	0.000	614.563	614.565
CL. BRG. PIER 3	5167.833	0.000	614.378	614.378
M	5177.833	0.000	614.187	614.195
N	5187.833	0.000	613.989	614.006
O	5197.833	0.000	613.786	613.805
P	5207.833	0.000	613.577	613.590
CL. BRG. E. ABUT.	5217.833	0.000	613.362	613.362
BK. E. ABUT.	5220.667	0.000	613.300	613.300

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	5011.767	6.000	616.850	616.850
CL. BRG. W. ABUT.	5014.600	6.000	616.815	616.815
A	5024.600	6.000	616.686	616.699
B	5034.600	6.000	616.550	616.568
C	5044.600	6.000	616.407	616.423
D	5054.600	6.000	616.257	616.266
CL. BRG. PIER 1	5064.600	6.000	616.101	616.101
E	5074.600	6.000	615.938	615.940
F	5084.600	6.000	615.769	615.773
G	5094.600	6.000	615.593	615.598
H	5104.600	6.000	615.417	615.421
CL. BRG. PIER 2	5114.600	6.000	615.241	615.241
I	5124.600	6.000	615.065	615.069
J	5134.600	6.000	614.889	614.894
K	5144.600	6.000	614.705	614.710
L	5154.600	6.000	614.528	614.530
CL. BRG. PIER 3	5164.600	6.000	614.345	614.345
M	5174.600	6.000	614.155	614.164
N	5184.600	6.000	613.960	613.976
O	5194.600	6.000	613.759	613.777
P	5204.600	6.000	613.551	613.565
CL. BRG. E. ABUT.	5214.600	6.000	613.338	613.338
BK. E. ABUT.	5217.434	6.000	613.277	613.277

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	5008.534	12.000	616.796	616.796
CL. BRG. W. ABUT.	5011.367	12.000	616.761	616.761
A	5021.367	12.000	616.634	616.648
B	5031.367	12.000	616.501	616.519
C	5041.367	12.000	616.360	616.376
D	5051.367	12.000	616.213	616.221
CL. BRG. PIER 1	5061.367	12.000	616.059	616.059
E	5071.367	12.000	615.898	615.900
F	5081.367	12.000	615.730	615.735
G	5091.367	12.000	615.556	615.562
H	5101.367	12.000	615.380	615.384
CL. BRG. PIER 2	5111.367	12.000	615.204	615.204
I	5121.367	12.000	615.028	615.032
J	5131.367	12.000	614.852	614.858
K	5141.367	12.000	614.668	614.673
L	5151.367	12.000	614.492	614.494
CL. BRG. PIER 3	5161.367	12.000	614.311	614.311
M	5171.367	12.000	614.123	614.132
N	5181.367	12.000	613.930	613.946
O	5191.367	12.000	613.731	613.749
P	5201.367	12.000	613.525	613.539
CL. BRG. E. ABUT.	5211.367	12.000	613.314	613.314
BK. E. ABUT.	5214.201	12.000	613.253	613.253

BEAM 5A

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. W. ABUT.	5005.301	18.000	616.710	616.710
CL. BRG. W. ABUT.	5008.135	18.000	616.676	616.676
A	5018.135	18.000	616.551	616.565
B	5028.135	18.000	616.420	616.438
C	5038.135	18.000	616.281	616.298
D	5048.135	18.000	616.136	616.145
CL. BRG. PIER 1	5058.135	18.000	615.984	615.984
E	5068.135	18.000	615.826	615.828
F	5078.135	18.000	615.661	615.665
G	5088.135	18.000	615.488	615.494
H	5098.135	18.000	615.312	615.316
CL. BRG. PIER 2	5108.135	18.000	615.136	615.136
I	5118.135	18.000	614.960	614.964
J	5128.135	18.000	614.784	614.790
K	5138.135	18.000	614.601	614.605
L	5148.135	18.000	614.425	614.427
CL. BRG. PIER 3	5158.135	18.000	614.245	614.245
M	5168.135	18.000	614.060	614.068
N	5178.135	18.000	613.868	613.885
O	5188.135	18.000	613.671	613.690
P	5198.135	18.000	613.468	613.481
CL. BRG. E. ABUT.	5208.135	18.000	613.258	613.258
BK. E. ABUT.	5210.968	18.000	613.198	613.198

DESIGNED	CCC
CHECKED	DPN
DRAWN	h.t. duong
CHECKED	CCC/DPN

Oct. 11, 2005
 EXAMINED *Thomas J. Donagale*
 ENGINEER OF BRIDGE DESIGN
 PASSED *Ralph E. Anderson*
 ENGINEER OF BRIDGES AND STRUCTURES

TOP OF SLAB ELEVATIONS
 F.A.P. RTE. 309 - SEC. 7HBR-1
 WHITESIDE COUNTY
 STATION 51+17.83
 STRUCTURE NO. 098-6000