

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 777	10B-1	MONTGOMERY	104	58
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Contract #92667

SHEET NO. 6

23 SHEETS

**RDWY. & P.G. (8 LOCAL TANGENT & STAGE CONST. JT. FROM STA. 499+87.14 TO STA. 501+22.54)**

**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	49968.407	-14.814	562.732	562.732
€ Brg. W. Abut.	49969.656	-14.790	562.724	562.724
A	49979.501	-14.657	562.670	562.705
B	49989.382	-14.625	562.621	562.668
C	49999.382	-14.625	562.610	562.610
D	50009.382	-14.625	562.532	562.549
€ Brg. Pier 1	50017.619	-14.625	562.508	562.508
E	50027.619	-14.625	562.490	562.508
F	50037.619	-14.625	562.484	562.519
G	50047.619	-14.625	562.537	562.537
H	50057.619	-14.625	562.510	562.541
I	50067.619	-14.625	562.542	562.556
€ Brg. Pier 2	50075.619	-14.625	562.576	562.576
J	50085.619	-14.625	562.630	562.650
K	50095.619	-14.625	562.696	562.737
L	50105.619	-14.625	562.774	562.820
M	50115.619	-14.625	562.865	562.894
€ Brg. E. Abut.	50123.849	-14.625	562.949	562.949
Bk. of E. Abut.	50125.119	-14.625	562.963	562.963

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	49967.257	-8.920	562.465	562.465
€ Brg. W. Abut.	49968.514	-8.894	562.461	562.461
A	49978.420	-8.749	562.425	562.460
B	49988.339	-8.708	562.395	562.442
C	49998.339	-8.708	562.367	562.404
D	50008.339	-8.708	562.345	562.361
€ Brg. Pier 1	50016.576	-8.708	562.336	562.336
E	50026.576	-8.708	562.337	562.355
F	50036.576	-8.708	562.350	562.384
G	50046.576	-8.708	562.422	562.422
H	50056.576	-8.708	562.414	562.445
I	50066.576	-8.708	562.464	562.478
€ Brg. Pier 2	50074.576	-8.708	562.513	562.513
J	50084.576	-8.708	562.586	562.606
K	50094.576	-8.708	562.671	562.712
L	50104.576	-8.708	562.768	562.814
M	50114.576	-8.708	562.877	562.906
€ Brg. E. Abut.	50122.806	-8.708	562.977	562.977
Bk. of E. Abut.	50124.076	-8.708	562.993	562.993

**BEAM 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	49966.092	-3.028	562.192	562.192
€ Brg. W. Abut.	49967.357	-3.000	562.190	562.190
A	49977.325	-2.843	562.173	562.208
B	49987.296	-2.792	562.162	562.209
C	49997.296	-2.792	562.152	562.190
D	50007.296	-2.792	562.149	562.165
€ Brg. Pier 1	50015.532	-2.792	562.155	562.155
E	50025.532	-2.792	562.174	562.192
F	50035.532	-2.792	562.206	562.240
G	50045.532	-2.792	562.249	562.295
H	50055.532	-2.792	562.305	562.336
€ Brg. Pier 2	50073.532	-2.792	562.437	562.437
J	50083.532	-2.792	562.528	562.548
K	50093.532	-2.792	562.631	562.672
L	50103.532	-2.792	562.747	562.793
M	50113.532	-2.792	562.874	562.903
€ Brg. E. Abut.	50121.763	-2.792	562.989	562.989
Bk. of E. Abut.	50123.032	-2.792	563.007	563.007

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	49965.488	0.000	562.050	562.050
€ Brg. W. Abut.	49966.763	0.000	562.050	562.050
A	49976.763	0.000	562.050	562.100
B	49986.760	0.000	562.050	562.100
P.T.	49987.140	0.000	562.050	562.101
C	49996.803	0.000	562.050	562.087
D	50006.803	0.000	562.055	562.072
€ Brg. Pier 1	50015.040	0.000	562.068	562.068
E	50025.040	0.000	562.096	562.114
F	50035.040	0.000	562.136	562.170
G	50045.040	0.000	562.188	562.234
H	50055.040	0.000	562.253	562.284
I	50065.040	0.000	562.330	562.344
€ Brg. Pier 2	50073.040	0.000	562.400	562.400
J	50083.040	0.000	562.500	562.520
K	50093.040	0.000	562.611	562.653
L	50103.040	0.000	562.735	562.781
M	50113.040	0.000	562.872	562.900
€ Brg. E. Abut.	50121.271	0.000	562.993	562.993
Bk. of E. Abut.	50122.540	0.000	563.013	563.013

**BEAM 4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	49964.913	2.863	561.914	561.914
€ Brg. W. Abut.	49966.186	2.892	561.914	561.914
A	49976.216	3.062	561.916	561.951
B	49986.249	3.125	561.924	561.971
C	49996.252	3.125	561.934	561.972
D	50006.252	3.125	561.949	561.966
€ Brg. Pier 1	50014.489	3.125	561.970	561.970
E	50024.489	3.125	562.007	562.025
F	50034.489	3.125	562.057	562.091
G	50044.489	3.125	562.119	562.165
H	50054.489	3.125	562.193	562.224
I	50064.489	3.125	562.277	562.291
€ Brg. Pier 2	50072.489	3.125	562.346	562.346
J	50082.489	3.125	562.445	562.465
K	50092.489	3.125	562.556	562.597
L	50102.489	3.125	562.679	562.725
M	50112.489	3.125	562.815	562.843
€ Brg. E. Abut.	50120.720	3.125	562.936	562.936
Bk. of E. Abut.	50121.989	3.125	562.955	562.955

**BEAM 5**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	49963.719	8.753	561.632	561.632
€ Brg. W. Abut.	49965.000	8.784	561.634	561.634
A	49975.094	8.965	561.656	561.690
B	49985.190	9.040	561.682	561.729
C	49995.209	9.042	561.712	561.749
D	50005.209	9.042	561.745	561.762
€ Brg. Pier 1	50013.446	9.042	561.781	561.781
E	50023.446	9.042	561.837	561.855
F	50033.446	9.042	561.904	561.938
G	50043.446	9.042	562.030	562.030
H	50053.446	9.042	562.077	562.108
I	50063.446	9.042	562.176	562.190
€ Brg. Pier 2	50071.446	9.042	562.244	562.244
J	50081.446	9.042	562.342	562.362
K	50091.446	9.042	562.451	562.493
L	50101.446	9.042	562.573	562.619
M	50111.446	9.042	562.708	562.736
€ Brg. E. Abut.	50119.676	9.042	562.828	562.828
Bk. of E. Abut.	50120.946	9.042	562.847	562.847

**BEAM 6**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	49962.510	14.641	561.345	561.345
€ Brg. W. Abut.	49963.799	14.673	561.350	561.350
A	49973.957	14.868	561.390	561.425
B	49984.118	14.954	561.436	561.484
C	49994.166	14.958	561.486	561.523
D	50004.166	14.958	561.537	561.554
€ Brg. Pier 1	50012.402	14.958	561.589	561.589
E	50022.402	14.958	561.662	561.680
F	50032.402	14.958	561.748	561.782
G	50042.402	14.958	561.846	561.892
H	50052.402	14.958	561.950	561.981
I	50062.402	14.958	562.059	562.074
€ Brg. Pier 2	50070.402	14.958	562.127	562.127
J	50080.402	14.958	562.223	562.243
K	50090.402	14.958	562.332	562.373
L	50100.402	14.958	562.452	562.498
M	50110.402	14.958	562.585	562.614
€ Brg. E. Abut.	50118.633	14.958	562.704	562.704
Bk. of E. Abut.	50119.902	14.958	562.723	562.723

**LOCAL TANGENT & STAGE CONST. JT. FROM STA. 499+65.54 TO STA. 499+87.14**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	49965.538	-0.248	562.062	562.062
€ Brg. W. Abut.	49966.806	-0.220	562.060	562.060
A	49976.804	-0.057	562.052	562.087
B	49986.803	0.000	562.050	562.097
P.T.	49987.140	0.000	562.050	562.101

DESIGNED	Daniel F. Zerrusen
CHECKED	DPN/SMR
DRAWN	R. Doty h.f. duong
CHECKED	DFZ/SMR

EXAMINED	Thomas J. Domagala	Feb 3, 2006
PASSED	Ralph E. Anderson	

**TOP OF SLAB ELEVATIONS  
F.A.P. ROUTE 777 SECTION 10B-1  
MONTGOMERY COUNTY  
STATION 500+44.04  
STRUCTURE NO. 068-0505**