

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.S. 220	*	Mercer	50	21
FED. FUND DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*(23-BR) I				

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF S. ABUT.	103+23.46	13'-11 1/2" Lt.	625.450	625.450
☉ BRG. S. ABUT.	103+25.25	13'-11 1/2" Lt.	625.454	625.454
A	103+35.25	13'-11 1/2" Lt.	625.474	625.488
B	103+45.25	13'-11 1/2" Lt.	625.494	625.517
C	103+55.25	13'-11 1/2" Lt.	625.514	625.539
D	103+65.25	13'-11 1/2" Lt.	625.534	625.554
E	103+75.25	13'-11 1/2" Lt.	625.554	625.564
F	103+85.25	13'-11 1/2" Lt.	625.574	625.576
☉ BRG. PIER 1	103+91.25	13'-11 1/2" Lt.	625.586	625.586
G	104+01.25	13'-11 1/2" Lt.	625.606	625.611
H	104+11.25	13'-11 1/2" Lt.	625.626	625.642
I	104+21.25	13'-11 1/2" Lt.	625.646	625.672
J	104+31.25	13'-11 1/2" Lt.	625.666	625.696
K	104+41.25	13'-11 1/2" Lt.	625.686	625.713
L	104+51.25	13'-11 1/2" Lt.	625.707	625.725
M	104+61.25	13'-11 1/2" Lt.	625.727	625.734
☉ BRG. PIER 2	104+73.75	13'-11 1/2" Lt.	625.752	625.752
N	104+83.75	13'-11 1/2" Lt.	625.772	625.777
O	104+93.75	13'-11 1/2" Lt.	625.792	625.807
P	105+03.75	13'-11 1/2" Lt.	625.812	625.837
Q	105+13.75	13'-11 1/2" Lt.	625.832	625.862
R	105+23.75	13'-11 1/2" Lt.	625.852	625.879
S	105+33.75	13'-11 1/2" Lt.	625.872	625.891
T	105+43.75	13'-11 1/2" Lt.	625.892	625.900
☉ BRG. PIER 3	105+56.25	13'-11 1/2" Lt.	625.917	625.917
U	105+66.25	13'-11 1/2" Lt.	625.937	625.942
V	105+76.25	13'-11 1/2" Lt.	625.957	625.971
W	105+86.25	13'-11 1/2" Lt.	625.977	626.000
X	105+96.25	13'-11 1/2" Lt.	625.997	626.023
Y	106+06.25	13'-11 1/2" Lt.	626.017	626.038
Z	106+16.25	13'-11 1/2" Lt.	626.038	626.046
☉ BRG. N. ABUT.	106+22.25	13'-11 1/2" Lt.	626.050	626.050
BK. OF N. ABUT.	106+24.04	13'-11 1/2" Lt.	626.053	626.053

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF S. ABUT.	103+23.46	8'-4 1/2" Lt.	625.548	625.548
☉ BRG. S. ABUT.	103+25.25	8'-4 1/2" Lt.	625.551	625.551
A	103+35.25	8'-4 1/2" Lt.	625.571	625.594
B	103+45.25	8'-4 1/2" Lt.	625.591	625.629
C	103+55.25	8'-4 1/2" Lt.	625.611	625.652
D	103+65.25	8'-4 1/2" Lt.	625.631	625.664
E	103+75.25	8'-4 1/2" Lt.	625.652	625.668
F	103+85.25	8'-4 1/2" Lt.	625.672	625.674
☉ BRG. PIER 1	103+91.25	8'-4 1/2" Lt.	625.684	625.684
G	104+01.25	8'-4 1/2" Lt.	625.704	625.712
H	104+11.25	8'-4 1/2" Lt.	625.724	625.750
I	104+21.25	8'-4 1/2" Lt.	625.744	625.786
J	104+31.25	8'-4 1/2" Lt.	625.764	625.813
K	104+41.25	8'-4 1/2" Lt.	625.784	625.828
L	104+51.25	8'-4 1/2" Lt.	625.804	625.834
M	104+61.25	8'-4 1/2" Lt.	625.824	625.836
☉ BRG. PIER 2	104+73.75	8'-4 1/2" Lt.	625.849	625.849
N	104+83.75	8'-4 1/2" Lt.	625.869	625.877
O	104+93.75	8'-4 1/2" Lt.	625.889	625.915
P	105+03.75	8'-4 1/2" Lt.	625.909	625.951
Q	105+13.75	8'-4 1/2" Lt.	625.929	625.978
R	105+23.75	8'-4 1/2" Lt.	625.949	625.994
S	105+33.75	8'-4 1/2" Lt.	625.969	626.000
T	105+43.75	8'-4 1/2" Lt.	625.990	626.002
☉ BRG. PIER 3	105+56.25	8'-4 1/2" Lt.	626.015	626.015
U	105+66.25	8'-4 1/2" Lt.	626.035	626.042
V	105+76.25	8'-4 1/2" Lt.	626.055	626.078
W	105+86.25	8'-4 1/2" Lt.	626.075	626.112
X	105+96.25	8'-4 1/2" Lt.	626.095	626.136
Y	106+06.25	8'-4 1/2" Lt.	626.115	626.148
Z	106+16.25	8'-4 1/2" Lt.	626.135	626.149
☉ BRG. N. ABUT.	106+22.25	8'-4 1/2" Lt.	626.147	626.147
BK. OF N. ABUT.	106+24.04	8'-4 1/2" Lt.	626.151	626.151

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF S. ABUT.	103+23.46	2'-9 1/2" Lt.	625.635	625.635
☉ BRG. S. ABUT.	103+25.25	2'-9 1/2" Lt.	625.638	625.638
A	103+35.25	2'-9 1/2" Lt.	625.659	625.681
B	103+45.25	2'-9 1/2" Lt.	625.679	625.716
C	103+55.25	2'-9 1/2" Lt.	625.699	625.740
D	103+65.25	2'-9 1/2" Lt.	625.719	625.751
E	103+75.25	2'-9 1/2" Lt.	625.739	625.755
F	103+85.25	2'-9 1/2" Lt.	625.759	625.761
☉ BRG. PIER 1	103+91.25	2'-9 1/2" Lt.	625.771	625.771
G	104+01.25	2'-9 1/2" Lt.	625.791	625.800
H	104+11.25	2'-9 1/2" Lt.	625.811	625.837
I	104+21.25	2'-9 1/2" Lt.	625.831	625.873
J	104+31.25	2'-9 1/2" Lt.	625.851	625.900
K	104+41.25	2'-9 1/2" Lt.	625.871	625.915
L	104+51.25	2'-9 1/2" Lt.	625.891	625.921
M	104+61.25	2'-9 1/2" Lt.	625.911	625.923
☉ BRG. PIER 2	104+73.75	2'-9 1/2" Lt.	625.936	625.936
N	104+83.75	2'-9 1/2" Lt.	625.956	625.965
O	104+93.75	2'-9 1/2" Lt.	625.976	626.002
P	105+03.75	2'-9 1/2" Lt.	625.997	626.038
Q	105+13.75	2'-9 1/2" Lt.	626.017	626.065
R	105+23.75	2'-9 1/2" Lt.	626.037	626.081
S	105+33.75	2'-9 1/2" Lt.	626.057	626.087
T	105+43.75	2'-9 1/2" Lt.	626.077	626.089
☉ BRG. PIER 3	105+56.25	2'-9 1/2" Lt.	626.102	626.102
U	105+66.25	2'-9 1/2" Lt.	626.122	626.129
V	105+76.25	2'-9 1/2" Lt.	626.142	626.165
W	105+86.25	2'-9 1/2" Lt.	626.162	626.199
X	105+96.25	2'-9 1/2" Lt.	626.182	626.223
Y	106+06.25	2'-9 1/2" Lt.	626.202	626.235
Z	106+16.25	2'-9 1/2" Lt.	626.222	626.237
☉ BRG. N. ABUT.	106+22.25	2'-9 1/2" Lt.	626.234	626.234
BK. OF N. ABUT.	106+24.04	2'-9 1/2" Lt.	626.238	626.238

☉ ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF S. ABUT.	103+23.46	0.000	625.678	625.678
☉ BRG. S. ABUT.	103+25.25	0.000	625.682	625.682
A	103+35.25	0.000	625.702	625.725
B	103+45.25	0.000	625.722	625.760
C	103+55.25	0.000	625.742	625.783
D	103+65.25	0.000	625.762	625.795
E	103+75.25	0.000	625.782	625.799
F	103+85.25	0.000	625.802	625.805
☉ BRG. PIER 1	103+91.25	0.000	625.814	625.814
G	104+01.25	0.000	625.835	625.843
H	104+11.25	0.000	625.855	625.881
I	104+21.25	0.000	625.875	625.917
J	104+31.25	0.000	625.895	625.943
K	104+41.25	0.000	625.915	625.959
L	104+51.25	0.000	625.935	625.965
M	104+61.25	0.000	625.955	625.967
☉ BRG. PIER 2	104+73.75	0.000	625.980	625.980
N	104+83.75	0.000	626.000	626.008
O	104+93.75	0.000	626.020	626.046
P	105+03.75	0.000	626.040	626.082
Q	105+13.75	0.000	626.060	626.109
R	105+23.75	0.000	626.080	626.125
S	105+33.75	0.000	626.100	626.131
T	105+43.75	0.000	626.120	626.133
☉ BRG. PIER 3	105+56.25	0.000	626.145	626.145
U	105+66.25	0.000	626.166	626.173
V	105+76.25	0.000	626.186	626.209
W	105+86.25	0.000	626.206	626.243
X	105+96.25	0.000	626.226	626.267
Y	106+06.25	0.000	626.246	626.279
Z	106+16.25	0.000	626.266	626.280
☉ BRG. N. ABUT.	106+22.25	0.000	626.278	626.278
BK. OF N. ABUT.	106+24.04	0.000	626.281	626.281

TOP OF SLAB ELEVATIONS
F.A.S. ROUTE 220 (IL ROUTE 94)
OVER EDWARDS RIVER
SECTION (23-BR) I
MERCER COUNTY
STRUCTURE NO. 066-0008
STATION 104+73.75

DESIGNED	K.E. Brandau
CHECKED	R.T. Mumm
DRAWN	L.A. Roff
CHECKED	K.E. Brandau

E-S 4-30-97

FRAUENHOFFER & ASSOCIATES, P.C.