

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEAM 1 - (LINE NO.1)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut.	228+62.71	-22.000	410.431	410.431
⊕ Brg. N. Abut.	228+63.35	-22.000	410.425	410.425
A	228+73.35	-22.000	410.328	410.354
B	228+83.35	-22.000	410.231	410.266
C	228+93.35	-22.000	410.133	410.155
⊕ Brg. S. Abut.	229+01.24	-22.000	410.057	410.057
Bk. S. Abut.	229+01.87	-22.000	410.050	410.050

BEAM 2 - (LINE NO.2)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut.	228+56.52	-14.000	410.658	410.658
⊕ Brg. N. Abut.	228+57.15	-14.000	410.652	410.652
A	228+67.15	-14.000	410.555	410.581
B	228+77.15	-14.000	410.458	410.493
C	228+87.15	-14.000	410.360	410.382
⊕ Brg. S. Abut.	228+95.05	-14.000	410.284	410.284
Bk. S. Abut.	228+95.68	-14.000	410.277	410.277

BEAM 3 - (LINE NO.3)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut.	228+50.33	-6.000	410.854	410.854
⊕ Brg. N. Abut.	228+50.96	-6.000	410.848	410.848
A	228+60.96	-6.000	410.751	410.777
B	228+70.96	-6.000	410.653	410.688
C	228+80.96	-6.000	410.556	410.578
⊕ Brg. S. Abut.	228+88.85	-6.000	410.479	410.479
Bk. S. Abut.	228+89.49	-6.000	410.473	410.473

PGL - (LINE NO.4)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut.	228+45.68	0.000	410.993	410.993
⊕ Brg. N. Abut.	228+46.31	0.000	410.987	410.987
A	228+56.31	0.000	410.890	410.915
B	228+66.31	0.000	410.792	410.827
C	228+76.31	0.000	410.695	410.717
⊕ Brg. S. Abut.	228+84.21	0.000	410.618	410.618
Bk. S. Abut.	228+84.84	0.000	410.612	410.612

BEAM 4 - (LINE NO.5)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut.	228+44.13	2.000	410.977	410.977
⊕ Brg. N. Abut.	228+44.76	2.000	410.971	410.971
A	228+54.76	2.000	410.873	410.899
B	228+64.76	2.000	410.776	410.811
C	228+74.76	2.000	410.679	410.701
⊕ Brg. S. Abut.	228+82.66	2.000	410.602	410.602
Bk. S. Abut.	228+83.29	2.000	410.596	410.596

STAGE CONSTRUCTION LINE - (LINE NO.6)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut.	228+39.61	7.833	410.930	410.930
⊕ Brg. N. Abut.	228+40.25	7.833	410.923	410.923
A	228+50.25	7.833	410.826	410.852
B	228+60.25	7.833	410.729	410.764
C	228+70.25	7.833	410.632	410.653
⊕ Brg. S. Abut.	228+78.14	7.833	410.555	410.555
Bk. S. Abut.	228+78.77	7.833	410.549	410.549

BEAM 5 - (LINE NO.7)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut.	228+37.94	10.000	410.912	410.912
⊕ Brg. N. Abut.	228+38.57	10.000	410.906	410.906
A	228+48.57	10.000	410.809	410.835
B	228+58.57	10.000	410.711	410.746
C	228+68.57	10.000	410.614	410.636
⊕ Brg. S. Abut.	228+76.46	10.000	410.537	410.537
Bk. S. Abut.	228+77.10	10.000	410.531	410.531

BEAM 6 - (LINE NO.8)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut.	228+31.74	18.000	410.816	410.816
⊕ Brg. N. Abut.	228+32.38	18.000	410.810	410.810
A	228+42.38	18.000	410.713	410.739
B	228+52.38	18.000	410.615	410.650
C	228+62.38	18.000	410.518	410.540
⊕ Brg. S. Abut.	228+70.27	18.000	410.441	410.441
Bk. S. Abut.	228+70.90	18.000	410.435	410.435

BEAM 7 - (LINE NO.9)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut.	228+25.55	26.000	410.710	410.710
⊕ Brg. N. Abut.	228+26.18	26.000	410.703	410.703
A	228+36.18	26.000	410.606	410.632
B	228+46.18	26.000	410.509	410.544
C	228+56.18	26.000	410.412	410.434
⊕ Brg. S. Abut.	228+64.08	26.000	410.335	410.335
Bk. S. Abut.	228+64.71	26.000	410.329	410.329

BEAM 8 - (LINE NO.10)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut.	228+19.35	34.000	410.603	410.603
⊕ Brg. N. Abut.	228+19.99	34.000	410.597	410.597
A	228+29.99	34.000	410.500	410.526
B	228+39.99	34.000	410.402	410.438
C	228+49.99	34.000	410.305	410.327
⊕ Brg. S. Abut.	228+57.88	34.000	410.228	410.228
Bk. S. Abut.	228+58.51	34.000	410.222	410.222


BEAM 9 - (LINE NO.11)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut.	227+91.49	-34.000	410.848	410.848
⊕ Brg. N. Abut.	227+92.12	-34.000	410.840	410.840
A	228+02.12	-34.000	410.722	410.748
B	228+12.12	-34.000	410.604	410.639
C	228+22.12	-34.000	410.485	410.507
⊕ Brg. S. Abut.	228+30.01	-34.000	410.392	410.392
Bk. S. Abut.	228+30.65	-34.000	410.385	410.385

BEAM 10 - (LINE NO.12)

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	THEORETICAL GRADE ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
Bk. N. Abut.	227+85.29	-26.000	411.087	411.087
⊕ Brg. N. Abut.	227+85.92	-26.000	411.080	411.080
A	227+95.92	-26.000	410.962	410.988
B	228+05.92	-26.000	410.844	410.879
C	228+15.92	-26.000	410.725	410.747
⊕ Brg. S. Abut.	228+23.82	-26.000	410.632	410.632
Bk. S. Abut.	228+24.45	-26.000	410.625	410.625

DECK ELEVATIONS 2  
F.A.I. RTE. 57 OVER  
LAKE CREEK BRANCH  
STATION 228+25.00  
STRUCTURE NO. 100-0010 (N.B.)  
STRUCTURE NO. 100-0011 (S.B.)

 CRAWFORD MURPHY & TILLY, INC. CONSULTING ENGINEERS SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO ROCKFORD, IL ■ PEORIA, IL ■ CHICAGO, IL	SHEET NO. 6	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	29 SHEETS	I-57	(X1-4-1) BR -1	WILLIAMSON	202	89
DESIGNED BY: KEH CHECKED BY: WLB	DRAWN BY: GLD DATE: 4/12/10	CONTRACT NO. 78334				
FED. ROAD DIST. NO. 9 ILLINOIS FED. AID PROJECT						