

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONTRACT 62829

F.A.P. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2004-088B	COOK	145	59
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SHEET NO. SA-6  
OF SHEETS SA-30

BEAM 1

BEAM 2

BEAM 3

BEAM 4

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+79.08	-33.22	659.32	659.32
☐ Brg. W. Abutment	390+80.37	-33.27	659.31	659.31
A	390+90.50	-33.62	659.35	659.39
B	391+00.62	-33.93	659.38	659.46
C	391+10.74	-34.21	659.41	659.51
D	391+20.87	-34.45	659.43	659.54
E	391+31.00	-34.66	659.45	659.55
F	391+41.13	-34.83	659.47	659.55
G	391+51.26	-34.97	659.49	659.55
H	391+61.39	-35.07	659.50	659.53
I	391+71.53	-35.13	659.51	659.52
☐ Pier	391+76.60	-35.15	659.51	659.51
J	391+86.73	-35.17	659.52	659.53
K	391+96.86	-35.14	659.52	659.55
L	392+07.00	-35.09	659.52	659.58
M	392+17.13	-34.99	659.52	659.60
N	392+27.26	-34.86	659.50	659.60
O	392+37.39	-34.70	659.50	659.61
P	392+47.52	-34.50	659.49	659.59
Q	392+57.65	-34.27	659.47	659.55
R	392+67.77	-34.00	659.45	659.49
☐ Brg. E. Abutment	392+72.84	-33.85	659.44	659.44
Bk. E. Abutment	392+74.13	-33.81	659.44	659.44

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+80.91	-26.03	659.65	659.65
☐ Brg. W. Abutment	390+82.20	-26.08	659.65	659.65
A	390+92.29	-26.42	659.68	659.72
B	391+02.39	-26.73	659.71	659.79
C	391+12.49	-27.00	659.73	659.83
D	391+22.59	-27.24	659.76	659.87
E	391+32.70	-27.44	659.79	659.89
F	391+42.80	-27.60	659.80	659.88
G	391+52.91	-27.74	659.81	659.87
H	391+63.01	-27.83	659.83	659.86
I	391+73.12	-27.89	659.83	659.84
☐ Pier	391+78.18	-27.92	659.83	659.83
J	391+88.28	-27.92	659.84	659.85
K	391+98.39	-27.89	659.84	659.87
L	392+08.50	-27.82	659.84	659.90
M	392+18.60	-27.73	659.84	659.92
N	392+28.71	-27.59	659.83	659.93
O	392+38.81	-27.42	659.82	659.93
P	392+48.92	-27.22	659.81	659.91
Q	392+59.02	-26.98	659.79	659.87
R	392+69.12	-26.71	659.77	659.81
☐ Brg. E. Abutment	392+74.17	-26.56	659.76	659.76
Bk. E. Abutment	392+75.46	-26.52	659.76	659.76

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+82.72	-18.84	659.98	659.98
☐ Brg. W. Abutment	390+84.01	-18.89	659.98	659.98
A	390+94.08	-19.23	660.01	660.05
B	391+04.16	-19.53	660.04	660.12
C	391+14.23	-19.79	660.07	660.17
D	391+24.31	-20.02	660.09	660.20
E	391+34.38	-20.22	660.11	660.21
F	391+44.46	-20.38	660.13	660.21
G	391+54.54	-20.50	660.15	660.21
H	391+64.62	-20.59	660.15	660.18
I	391+74.70	-20.65	660.16	660.17
☐ Pier	391+79.75	-20.66	660.17	660.17
J	391+89.83	-20.66	660.17	660.18
K	391+99.91	-20.63	660.17	660.20
L	392+09.99	-20.56	660.16	660.22
M	392+20.07	-20.46	660.16	660.24
N	392+30.15	-20.32	660.16	660.26
O	392+40.23	-20.15	660.14	660.25
P	392+50.31	-19.94	660.13	660.23
Q	392+60.38	-19.69	660.11	660.19
R	392+70.46	-19.41	660.10	660.14
☐ Brg. E. Abutment	392+75.49	-19.26	660.08	660.08
Bk. E. Abutment	392+76.78	-19.22	660.09	660.09

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+84.53	-11.65	660.32	660.32
☐ Brg. W. Abutment	390+85.82	-11.70	660.31	660.31
A	390+95.86	-12.03	660.35	660.39
B	391+05.91	-12.32	660.38	660.46
C	391+15.96	-12.58	660.40	660.50
D	391+26.01	-12.81	660.42	660.53
E	391+36.06	-13.00	660.44	660.54
F	391+46.12	-13.15	660.46	660.54
G	391+56.17	-13.27	660.47	660.53
H	391+66.22	-13.35	660.48	660.51
I	391+76.28	-13.40	660.49	660.50
☐ Pier	391+81.31	-13.41	660.50	660.50
J	391+91.37	-13.41	660.50	660.51
K	392+01.42	-13.37	660.50	660.53
L	392+11.48	-13.30	660.49	660.55
M	392+21.53	-13.19	660.49	660.57
N	392+31.59	-13.05	660.48	660.58
O	392+41.64	-12.87	660.47	660.58
P	392+51.69	-12.65	660.45	660.55
Q	392+61.74	-12.40	660.44	660.52
R	392+71.79	-12.12	660.41	660.45
☐ Brg. E. Abutment	392+76.81	-11.97	660.41	660.41
Bk. E. Abutment	392+78.10	-11.92	660.40	660.40

BEAM 5

P.G.L.

BEAM 6

☐ WILLOW ROAD

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+86.33	-4.46	660.64	660.64
☐ Brg. W. Abutment	390+87.61	-4.51	660.65	660.65
A	390+97.63	-4.83	660.67	660.71
B	391+07.66	-5.12	660.71	660.79
C	391+17.68	-5.37	660.73	660.83
D	391+27.71	-5.59	660.75	660.86
E	391+37.73	-5.77	660.77	660.87
F	391+47.76	-5.92	660.78	660.86
G	391+57.79	-6.03	660.80	660.86
H	391+67.82	-6.11	660.81	660.84
I	391+77.85	-6.16	660.81	660.82
☐ Pier	391+82.87	-6.17	660.82	660.82
J	391+92.90	-6.16	660.82	660.83
K	392+02.93	-6.11	660.83	660.86
L	392+12.96	-6.03	660.82	660.88
M	392+22.99	-5.92	660.81	660.89
N	392+33.01	-5.77	660.81	660.91
O	392+43.04	-5.59	660.80	660.91
P	392+53.07	-5.37	660.78	660.88
Q	392+63.09	-5.12	660.76	660.84
R	392+73.11	-4.83	660.74	660.78
☐ Brg. E. Abutment	392+78.12	-4.67	660.73	660.73
Bk. E. Abutment	392+79.41	-4.63	660.73	660.73

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+87.31	0	660.85	660.85
☐ Brg. W. Abutment	390+88.61	0	660.86	660.86
A	390+98.82	0	660.9	660.94
B	391+08.89	0	660.94	661.02
C	391+18.96	0	660.98	661.08
D	391+29.01	0	661.01	661.12
E	391+39.06	0	661.03	661.13
F	391+49.10	0	661.06	661.14
G	391+59.13	0	661.07	661.13
H	391+69.13	0	661.09	661.12
I	391+79.17	0	661.09	661.10
☐ Pier	391+84.15	0	661.1	661.10
J	391+94.19	0	661.1	661.11
K	392+04.19	0	661.1	661.13
L	392+14.18	0	661.09	661.15
M	392+24.16	0	661.08	661.16
N	392+34.14	0	661.06	661.16
O	392+44.11	0	661.04	661.15
P	392+54.08	0	661.02	661.12
Q	392+64.03	0	660.99	661.07
R	392+73.98	0	660.96	661.00
☐ Brg. E. Abutment	392+79.03	0	660.94	660.94
Bk. E. Abutment	392+80.30	0	660.93	660.93

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+88.12	2.73	660.97	660.97
☐ Brg. W. Abutment	390+89.4	2.69	660.98	660.98
A	390+99.4	2.37	661.01	661.05
B	391+09.39	2.09	661.03	661.11
C	391+19.39	1.84	661.06	661.16
D	391+29.39	1.63	661.08	661.19
E	391+39.39	1.45	661.10	661.20
F	391+49.4	1.31	661.12	661.20
G	391+59.4	1.20	661.12	661.18
H	391+69.4	1.13	661.14	661.17
I	391+79.41	1.09	661.14	661.15
☐ Pier	391+84.41	1.08	661.15	661.15
J	391+94.42	1.10	661.15	661.16
K	392+04.42	1.15	661.15	661.18
L	392+14.43	1.23	661.15	661.21
M	392+24.43	1.35	661.14	661.22
N	392+34.43	1.50	661.13	661.23
O	392+44.43	1.69	661.12	661.23
P	392+54.43	1.92	661.11	661.21
Q	392+64.43	2.17	661.09	661.17
R	392+74.43	2.47	661.06	661.10
☐ Brg. E. Abutment	392+79.43	2.63	661.06	661.06
Bk. E. Abutment	392+80.71	2.67	661.05	661.05

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+88.71	6.33	661.14	661.14
☐ Brg. W. Abutment	390+90.00	6.29	661.14	661.14
A	391+00.27	5.97	661.18	661.22
B	391+10.26	5.69	661.21	661.29
C	391+20.24	5.45	661.23	661.33
D	391+30.23	5.24	661.25	661.36
E	391+40.22	5.06	661.27	661.37
F	391+50.21	4.92	661.28	661.36
G	391+60.20	4.82</		