

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONTRACT 62829

F.A.P. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2004-088B	COOK	145	60
FED. ROAD DIST. NO. 1	ILLINOIS	DES. AID PROJECT-		

SHEET NO. SA-7
OF SHEETS SA-30

BEAM 7

BEAM 8

BEAM 9

BEAM 10

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+89.90	9.93	661.31	661.31
☐ Brg. W. Abutment	390+91.18	9.88	661.31	661.31
A	391+01.15	9.57	661.34	661.38
B	391+11.12	9.30	661.37	661.45
C	391+21.10	9.05	661.39	661.49
D	391+31.07	8.85	661.41	661.52
E	391+41.05	8.68	661.43	661.53
F	391+51.02	8.54	661.44	661.52
G	391+61.00	8.44	661.46	661.52
H	391+70.98	8.37	661.47	661.50
I	391+80.96	8.34	661.48	661.49
☐ Pier	391+85.95	8.33	661.47	661.47
J	391+95.93	8.35	661.48	661.49
K	392+05.91	8.41	661.48	661.51
L	392+15.89	8.50	661.47	661.53
M	392+25.87	8.62	661.47	661.55
N	392+35.85	8.78	661.46	661.56
O	392+45.82	8.97	661.44	661.55
P	392+55.80	9.20	661.42	661.52
Q	392+65.77	9.46	661.41	661.49
R	392+75.74	9.76	661.39	661.43
☐ Brg. E. Abutment	392+80.73	9.92	661.38	661.38
Bk. E. Abutment	392+82.00	9.97	661.38	661.38

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+91.68	17.12	661.64	661.64
☐ Brg. W. Abutment	390+92.95	17.08	661.64	661.64
A	391+02.89	16.77	661.67	661.71
B	391+12.84	16.50	661.69	661.77
C	391+22.79	16.27	661.72	661.82
D	391+32.74	16.07	661.74	661.85
E	391+42.69	15.90	661.76	661.86
F	391+52.64	15.77	661.77	661.85
G	391+62.60	15.67	661.79	661.85
H	391+72.55	15.61	661.79	661.82
I	391+82.51	15.58	661.80	661.81
☐ Pier	391+87.49	15.58	661.80	661.80
J	391+97.44	15.61	661.80	661.81
K	392+07.39	15.67	661.81	661.84
L	392+17.35	15.76	661.80	661.86
M	392+27.30	15.89	661.79	661.87
N	392+37.25	16.06	661.78	661.88
O	392+47.20	16.25	661.77	661.88
P	392+57.15	16.49	661.75	661.85
Q	392+67.10	16.75	661.73	661.81
R	392+77.04	17.06	661.72	661.76
☐ Brg. E. Abutment	392+82.02	17.22	661.70	661.70
Bk. E. Abutment	392+83.29	17.26	661.70	661.70

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+93.44	24.32	661.97	661.97
☐ Brg. W. Abutment	390+94.71	24.28	661.97	661.97
A	391+04.63	23.98	662.00	662.04
B	391+14.55	23.71	662.03	662.11
C	391+24.48	23.48	662.05	662.15
D	391+34.40	23.29	662.07	662.18
E	391+44.33	23.13	662.09	662.19
F	391+54.26	23.00	662.11	662.19
G	391+64.18	22.91	662.11	662.17
H	391+74.11	22.86	662.12	662.15
I	391+84.04	22.83	662.13	662.14
☐ Pier	391+89.01	22.84	662.13	662.13
J	391+98.94	22.87	662.13	662.14
K	392+08.87	22.93	662.12	662.15
L	392+18.80	23.03	662.13	662.19
M	392+28.72	23.16	662.11	662.19
N	392+38.65	23.33	662.10	662.20
O	392+48.58	23.54	662.09	662.20
P	392+58.50	23.77	662.08	662.18
Q	392+68.42	24.05	662.06	662.14
R	392+78.34	24.35	662.04	662.08
☐ Brg. E. Abutment	392+83.30	24.52	662.02	662.02
Bk. E. Abutment	392+84.57	24.56	662.03	662.03

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+95.20	31.51	662.30	662.30
☐ Brg. W. Abutment	390+96.46	31.47	662.31	662.31
A	391+06.36	31.18	662.33	662.37
B	391+16.26	30.92	662.36	662.44
C	391+26.15	30.70	662.38	662.48
D	391+36.06	30.51	662.40	662.51
E	391+45.96	30.36	662.42	662.52
F	391+55.86	30.24	662.43	662.51
G	391+65.76	30.15	662.44	662.50
H	391+75.67	30.10	662.44	662.47
I	391+85.57	30.08	662.45	662.46
☐ Pier	391+90.53	30.09	662.45	662.45
J	392+00.43	30.12	662.46	662.47
K	392+10.34	30.19	662.45	662.48
L	392+20.24	30.30	662.44	662.50
M	392+30.14	30.44	662.44	662.52
N	392+40.04	30.61	662.43	662.53
O	392+49.94	30.82	662.42	662.53
P	392+59.84	31.06	662.40	662.50
Q	392+69.74	31.34	662.38	662.46
R	392+79.63	31.65	662.36	662.40
☐ Brg. E. Abutment	392+84.58	31.82	662.35	662.35
Bk. E. Abutment	392+85.85	31.86	662.34	662.34

BEAM 11

BEAM 12

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+96.94	38.71	662.63	662.63
☐ Brg. W. Abutment	390+98.20	38.67	662.64	662.64
A	391+08.08	38.39	662.67	662.71
B	391+17.95	38.14	662.69	662.77
C	391+27.82	37.92	662.71	662.81
D	391+37.70	37.73	662.73	662.84
E	391+47.58	37.59	662.74	662.84
F	391+57.46	37.47	662.76	662.84
G	391+67.34	37.39	662.76	662.82
H	391+77.21	37.34	662.77	662.80
I	391+87.09	37.33	662.78	662.79
☐ Pier	391+92.04	37.34	662.78	662.78
J	392+01.92	37.38	662.78	662.79
K	392+11.80	37.46	662.78	662.81
L	392+21.67	37.57	662.77	662.83
M	392+31.55	37.71	662.77	662.85
N	392+41.43	37.89	662.76	662.86
O	392+51.30	38.10	662.74	662.85
P	392+61.18	38.45	662.73	662.83
Q	392+71.05	38.63	662.71	662.79
R	392+80.92	38.95	662.68	662.72
☐ Brg. E. Abutment	392+85.85	39.12	662.67	662.67
Bk. E. Abutment	392+87.12	39.16	662.67	662.67

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	390+98.68	45.91	662.97	662.97
☐ Brg. W. Abutment	390+99.94	45.87	662.96	662.96
A	391+09.79	45.59	662.99	663.03
B	391+19.64	45.35	663.02	663.10
C	391+29.49	45.14	663.04	663.14
D	391+39.34	44.96	663.06	663.17
E	391+49.19	44.81	663.08	663.18
F	391+59.04	44.71	663.08	663.16
G	391+68.90	44.63	663.10	663.16
H	391+78.75	44.59	663.10	663.13
I	391+88.61	44.59	663.11	663.12
☐ Pier	391+93.54	44.60	663.11	663.11
J	392+03.39	44.64	663.11	663.12
K	392+13.25	44.72	663.10	663.13
L	392+23.10	44.84	663.10	663.16
M	392+32.95	44.98	663.09	663.17
N	392+42.81	45.17	663.08	663.18
O	392+52.66	45.38	663.06	663.17
P	392+62.50	45.64	663.04	663.14
Q	392+72.35	45.92	663.03	663.11
R	392+82.20	46.24	663.01	663.05
☐ Brg. E. Abutment	392+87.12	46.42	663.00	663.00
Bk. E. Abutment	392+88.38	46.46	662.99	662.99

NOTE:

Stationing is based on the ☐ of Willow Road. Offsets are measured from the P.G.L. To obtain ☐ offsets subtract 5'-6" from the given P.G.L. offset.

DESIGNED	AJN
CHECKED	JAP
DRAWN	ABW
CHECKED	EL

TOP OF SLAB ELEVATIONS III
WILLOW ROAD OVER
MILWAUKEE AVENUE
(IL RTE. 21/U.S. 45)
F.A.P. RTE. 305
SECTION 2004-088B
COOK COUNTY
STA. 391+71.02 ☐ WILLOW RD.
STR. NO. 016-2786

EDWARDS AND KELCEY

12/28/2004 11:52:55 AM

P:\00000000\04\0000\Advance Contract\AdvContract\Milw-Planes\mhw_07.dwg