

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONTRACT 62829

F.A.P. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2004-088B	COOK	145	90
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SHEET NO. SB-7
OF SHEETS SB-44

WILLOW ROAD

BEAM 8

BEAM 9

BEAM 10

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	396+39.99	5.50	656.70	656.70
¢ Brg. W. Abut.	396+42.02	5.50	656.65	656.65
A	396+52.02	5.50	656.44	656.45
B	396+62.02	5.50	656.22	656.23
C	396+72.02	5.50	655.99	656.00
D	396+82.02	5.50	655.77	655.77
E	396+92.02	5.50	655.54	655.54
¢ Pier 1	396+97.20	5.50	655.41	655.41
F	397+07.20	5.50	655.18	655.19
G	397+17.20	5.50	654.93	654.95
H	397+27.20	5.50	654.68	654.71
I	397+37.20	5.50	654.43	654.47
J	397+47.20	5.50	654.17	654.20
K	397+57.19	5.50	653.91	653.93
L	397+67.17	5.50	653.65	653.65
¢ Pier 2	397+76.18	5.50	653.40	653.40
M	397+86.21	5.50	653.13	653.14
N	397+96.24	5.50	652.85	652.87
O	398+06.26	5.50	652.56	652.56
P	398+16.27	5.50	652.29	652.33
Q	398+26.28	5.50	652.03	652.07
R	398+36.29	5.50	651.77	651.79
S	398+46.28	5.50	651.51	651.52
¢ Pier 3	398+54.83	5.50	651.28	651.28
T	398+64.82	5.50	651.02	651.02
U	398+74.80	5.50	650.76	650.77
V	398+84.78	5.50	650.50	650.51
W	398+94.75	5.50	650.24	650.25
X	399+04.72	5.50	649.98	649.99
¢ Brg. E. Abut.	399+09.56	5.50	649.84	649.84
Bk. E. Abutment	399+11.58	5.50	649.79	649.79

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	396+39.79	6.50	656.70	656.70
¢ Brg. W. Abut.	396+41.82	6.50	656.66	656.66
A	396+51.82	6.50	656.44	656.45
B	396+61.82	6.50	656.22	656.22
C	396+71.82	6.50	655.99	656.00
D	396+81.82	6.50	655.77	655.77
E	396+91.82	6.50	655.53	655.53
¢ Pier 1	396+97.00	6.50	655.41	655.41
F	397+07.00	6.50	655.16	655.17
G	397+17.00	6.50	654.92	654.94
H	397+27.00	6.50	654.67	654.70
I	397+37.00	6.50	654.42	654.46
J	397+47.00	6.50	654.15	654.18
K	397+57.01	6.47	653.88	653.90
L	397+66.96	6.63	653.61	653.61
¢ Pier 2	397+75.94	6.83	653.36	653.36
M	397+85.94	7.02	653.08	653.09
N	397+95.95	7.18	652.80	652.82
O	398+05.95	7.30	652.52	652.56
P	398+15.96	7.39	652.23	652.27
Q	398+25.96	7.44	651.97	652.01
R	398+35.97	7.46	651.71	651.73
S	398+45.98	7.44	651.45	651.46
¢ Pier 3	398+54.54	7.40	651.22	651.22
T	398+64.55	7.32	650.97	650.97
U	398+74.55	7.20	650.71	650.72
V	398+84.56	7.05	650.46	650.47
W	398+94.56	6.86	650.21	650.22
X	399+04.56	6.65	649.95	649.96
¢ Brg. E. Abut.	399+09.43	6.52	649.82	649.82
Bk. E. Abutment	399+11.45	6.47	649.77	649.77

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	396+38.43	13.50	656.75	656.75
¢ Brg. W. Abut.	396+40.46	13.50	656.71	656.71
A	396+50.46	13.50	656.47	656.48
B	396+60.46	13.50	656.23	656.24
C	396+70.46	13.50	655.99	656.00
D	396+80.46	13.50	655.75	655.75
E	396+90.46	13.50	655.49	655.49
¢ Pier 1	396+95.64	13.50	655.37	655.37
F	397+05.64	13.50	655.10	655.11
G	397+15.64	13.50	654.84	654.86
H	397+25.64	13.50	654.58	654.61
I	397+35.64	13.50	654.30	654.34
J	397+45.65	13.50	654.03	654.06
K	397+55.68	13.47	653.75	653.77
L	397+65.65	13.64	653.46	653.46
¢ Pier 2	397+74.65	13.84	653.20	653.20
M	397+84.68	14.04	652.90	652.91
N	397+94.71	14.20	652.59	652.61
O	398+04.74	14.33	652.28	652.32
P	398+14.77	14.42	651.97	652.01
Q	398+24.80	14.48	651.69	651.73
R	398+34.83	14.50	651.42	651.44
S	398+44.86	14.49	651.15	651.16
¢ Pier 3	398+53.45	14.45	650.92	650.92
T	398+63.48	14.37	650.65	650.65
U	398+73.51	14.26	650.39	650.40
V	398+83.54	14.12	650.13	650.14
W	398+93.57	13.93	649.86	649.87
X	399+03.59	13.71	649.60	649.61
¢ Brg. E. Abut.	399+08.47	13.59	649.47	649.47
Bk. E. Abutment	399+10.49	13.54	649.42	649.42

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	396+37.07	20.50	656.81	656.81
¢ Brg. W. Abut.	396+39.10	20.50	656.76	656.76
A	396+49.10	20.50	656.51	656.52
B	396+59.10	20.50	656.25	656.26
C	396+69.10	20.50	655.99	656.00
D	396+79.10	20.50	655.73	655.73
E	396+89.10	20.50	655.46	655.46
¢ Pier 1	396+94.28	20.50	655.33	655.33
F	397+04.28	20.50	655.05	655.06
G	397+14.28	20.50	654.77	654.79
H	397+24.28	20.50	654.49	654.52
I	397+34.28	20.50	654.20	654.24
J	397+44.28	20.50	653.91	653.94
K	397+54.34	20.48	653.61	653.63
L	397+64.34	20.65	653.30	653.30
¢ Pier 2	397+73.36	20.86	653.02	653.02
M	397+83.41	21.06	652.70	652.71
N	397+93.47	21.22	652.38	652.40
O	398+03.52	21.36	652.05	652.09
P	398+13.58	21.45	651.73	651.77
Q	398+23.63	21.51	651.44	651.48
R	398+33.69	21.54	651.17	651.19
S	398+43.75	21.53	650.90	650.91
¢ Pier 3	398+52.35	21.50	650.66	650.66
T	398+62.41	21.42	650.39	650.39
U	398+72.46	21.31	650.13	650.14
V	398+82.52	21.17	649.86	649.87
W	398+92.57	20.99	649.60	649.61
X	399+02.62	20.77	649.34	649.35
¢ Brg. E. Abut.	399+07.51	20.66	649.20	649.20
Bk. E. Abutment	399+09.57	20.60	649.16	649.16

BEAM 11

BEAM 12

BEAM 13

BEAM 14

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	396+35.71	27.50	656.86	656.86
¢ Brg. W. Abut.	396+37.74	27.50	656.81	656.81
A	396+47.74	27.50	656.55	656.56
B	396+57.74	27.50	656.28	656.29
C	396+67.74	27.50	656.00	656.01
D	396+77.74	27.50	655.73	655.73
E	396+87.74	27.50	655.44	655.44
¢ Pier 1	396+92.92	27.50	655.30	655.30
F	397+02.92	27.50	655.00	655.01
G	397+12.92	27.50	654.70	654.72
H	397+22.92	27.50	654.40	654.43
I	397+32.92	27.50	654.10	654.14
J	397+42.92	27.50	653.79	653.82
K	397+52.99	27.49	653.47	653.49
L	397+63.02	27.66	653.15	653.15
¢ Pier 2	397+72.06	27.87	652.85	652.85
M	397+82.14	28.08	652.52	652.53
N	397+92.22	28.25	652.18	652.20
O	398+02.30	28.39	651.84	651.88
P	398+12.38	28.48	651.50	651.54
Q	398+22.46	28.55	651.24	651.24
R	398+32.54	28.58	650.93	650.95
S	398+42.62	28.57	650.66	650.67
¢ Pier 3	398+51.29	28.54	650.42	650.42
T	398+61.33	28.47	650.15	650.15
U	398+71.41	28.37	649.88	649.89
V	398+81.49	28.23	649.62	649.63
W	398+91.57	28.05	649.36	649.37
X	399+01.64	27.84	649.10	649.11
¢ Brg. E. Abut.	399+06.54	27.72	648.96	648.96
Bk. E. Abutment	399+08.58	27.67	648.90	648.90

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	396+34.35	34.50	656.93	656.93
¢ Brg. W. Abut.	396+36.38	34.50	656.87	656.87
A	396+46.38	34.50	656.59	656.60
B	396+56.38	34.50	656.31	656.32
C	396+66.38	34.50	656.02	656.03
D	396+76.38	34.50	655.72	655.72
E	396+86.38	34.50	655.42	655.42
¢ Pier 1	396+91.56	34.50	655.27	655.27
F	397+01.56	34.50	654.96	654.96
G	397+11.56	34.50	654.65	654.67
H	397+21.56	34.50	654.35	654.35
I	397+31.56	34.50	654.01	654.05
J	397+41.56	34.50	653.69	653.72
K	397+51.64	34.49	653.35	653.37
L	397+61.69	34.66	653.01	653.01
¢ Pier 2	397+70.76	34.88	652.70	652.70
M	397+80.86	35.09	652.35	652.36
N	397+90.96	35.27	651.98	652.00
O	398+01.07	35.41	651.62	651.66
P	398+11.17	35.51	651.26	651.30
Q	398+21.28	35.58	650.95	650.99
R	398+31.39	35.62	650.67	650.69
S	398+41.49	35.62	650.40	650.41
¢ Pier 3	398+50.14	35.59	650.17	650.17
T	398+60.25	35.52	649.90	649.90
U	398+70.35	35.42	649.63	649.64
V	398+80.46	35.28	649.37	649.38
W	398+90.56	35.11	649.10	649.11
X	399+00.66	34.90	648.84	648.85
¢ Brg. E. Abut.	399+05.57	34.79	648.71	648.71
Bk. E. Abutment	399+07.61	34.74	648.65	648.65

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abutment	396+33.28	40.00	656.98	656.98
¢ Brg. W. Abut.	396+35.31	40.00	656.92	656.92
A	396+45.31	40.00	656.63	656.64
B	396+55.31	40.00	656.34	656.35
C	396+65.31	40.00	656.03	656.04