

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	-	KANE	545	321
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract # 63074

SHEET SD- 6  
OF 34 SHEETS

**BEAM 4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk S. Abut	275+67.47	-28.16	753.25	753.25
Ⓞ Brg S. Abut	275+68.69	-28.09	753.25	753.25
A	275+78.50	-27.59	753.29	753.30
B	275+88.32	-27.14	753.35	753.35
C	275+98.14	-26.77	753.41	753.41
Ⓞ Brg Pier 1 Span 1	276+06.74	-26.49	753.47	753.47
Ⓞ Brg Pier 1 Span 2	276+08.71	-26.43	753.49	753.49
D	276+18.54	-26.18	753.58	753.60
E	276+28.37	-25.99	753.67	753.71
F	276+38.21	-25.87	753.78	753.83
G	276+48.04	-25.81	753.91	753.94
H	276+57.88	-25.82	754.04	754.06
Ⓞ Brg Pier 2 Span 2	276+65.75	-25.87	754.15	754.15
Ⓞ Brg Pier 2 Span 3	276+67.72	-25.89	754.18	754.18
J	276+77.55	-26.02	754.34	754.34
K	276+87.38	-26.22	754.50	754.51
L	276+97.21	-26.47	754.68	754.69
Ⓞ Brg N. Abut	277+05.81	-26.75	754.85	754.85
Bk N. Abut	277+07.04	-26.80	754.87	754.87

**BEAM 5**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk S. Abut	275+67.01	-19.76	753.08	753.08
Ⓞ Brg S. Abut	275+68.25	-19.69	753.08	753.08
A	275+78.11	-19.18	753.12	753.13
B	275+87.98	-18.74	753.17	753.18
C	275+97.86	-18.35	753.24	753.24
Ⓞ Brg Pier 1 Span 1	276+06.50	-18.07	753.30	753.30
Ⓞ Brg Pier 1 Span 2	276+08.48	-18.01	753.32	753.32
D	276+18.36	-17.76	753.41	753.43
E	276+28.24	-17.58	753.50	753.54
F	276+38.13	-17.46	753.61	753.66
G	276+48.02	-17.40	753.74	753.77
H	276+57.91	-17.40	753.87	753.89
Ⓞ Brg Pier 2 Span 2	276+65.82	-17.45	753.98	753.98
Ⓞ Brg Pier 2 Span 3	276+67.80	-17.47	754.01	754.01
J	276+77.69	-17.60	754.17	754.18
K	276+87.57	-17.80	754.34	754.35
L	276+97.45	-18.06	754.52	754.52
Ⓞ Brg N. Abut	277+06.10	-18.34	754.68	754.68
Bk N. Abut	277+07.34	-18.38	754.71	754.71

**STAGE CONSTRUCTION JOINT**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk S. Abut	275+66.87	-17.01	753.02	753.02
Ⓞ Brg S. Abut	275+68.10	-16.94	753.03	753.03
A	275+77.98	-16.43	753.07	753.07
B	275+87.87	-15.99	753.12	753.13
C	275+97.76	-15.61	753.18	753.19
Ⓞ Brg Pier 1 Span 1	276+06.42	-15.32	753.25	753.25
Ⓞ Brg Pier 1 Span 2	276+08.40	-15.27	753.26	753.26
D	276+18.30	-15.02	753.35	753.37
E	276+28.20	-14.83	753.45	753.49
F	276+38.11	-14.71	753.56	753.60
G	276+48.01	-14.65	753.68	753.72
H	276+57.92	-14.65	753.81	753.83
Ⓞ Brg Pier 2 Span 2	276+65.85	-14.70	753.93	753.93
Ⓞ Brg Pier 2 Span 3	276+67.83	-14.72	753.96	753.96
J	276+77.73	-14.86	754.12	754.12
K	276+87.63	-15.05	754.28	754.29
L	276+97.53	-15.31	754.46	754.47
Ⓞ Brg N. Abut	277+06.19	-15.59	754.63	754.63
Bk N. Abut	277+07.43	-15.64	754.65	754.65

**BEAM 6**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk S. Abut	275+66.56	-11.35	752.91	752.91
Ⓞ Brg S. Abut	275+67.80	-11.28	752.91	752.91
A	275+77.71	-10.77	752.95	752.96
B	275+87.63	-10.33	753.00	753.01
C	275+97.56	-9.94	753.07	753.07
Ⓞ Brg Pier 1 Span 1	276+06.25	-9.66	753.13	753.13
Ⓞ Brg Pier 1 Span 2	276+08.24	-9.60	753.15	753.15
D	276+18.18	-9.35	753.24	753.26
E	276+28.12	-9.16	753.34	753.37
F	276+38.06	-9.04	753.45	753.49
G	276+48.00	-8.98	753.57	753.61
H	276+57.94	-8.99	753.70	753.72
Ⓞ Brg Pier 2 Span 2	276+65.89	-9.04	753.82	753.82
Ⓞ Brg Pier 2 Span 3	276+67.88	-9.06	753.85	753.85
J	276+77.82	-9.19	754.00	754.01
K	276+87.76	-9.39	754.17	754.18
L	276+97.70	-9.65	754.35	754.36
Ⓞ Brg N. Abut	277+06.39	-9.93	754.52	754.52
Bk N. Abut	277+07.63	-9.97	754.54	754.54

**BEAM 7**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk S. Abut	275+66.09	-2.95	752.74	752.74
Ⓞ Brg S. Abut	275+67.34	-2.88	752.74	752.74
A	275+77.31	-2.37	752.78	752.79
B	275+87.29	-1.92	752.83	752.84
C	275+97.27	-1.53	752.90	752.90
Ⓞ Brg Pier 1 Span 1	276+06.00	-1.25	752.96	752.96
Ⓞ Brg Pier 1 Span 2	276+08.00	-1.19	752.98	752.98
D	276+17.99	-0.94	753.07	753.09
E	276+27.98	-0.75	753.17	753.20
F	276+37.98	-0.62	753.28	753.32
G	276+47.98	-0.57	753.40	753.44
H	276+57.97	-0.57	753.53	753.55
Ⓞ Brg Pier 2 Span 2	276+65.97	-0.62	753.65	753.65
Ⓞ Brg Pier 2 Span 3	276+67.97	-0.64	753.68	753.68
J	276+77.96	-0.77	753.84	753.84
K	276+87.96	-0.97	754.01	754.02
L	276+97.94	-1.23	754.19	754.20
Ⓞ Brg N. Abut	277+06.68	-1.52	754.36	754.36
Bk N. Abut	277+07.93	-1.56	754.38	754.38

**BEAM 8**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk S. Abut	275+65.63	5.46	752.57	752.57
Ⓞ Brg S. Abut	275+66.88	5.52	752.57	752.57
A	275+76.90	6.04	752.61	752.62
B	275+86.93	6.49	752.66	752.67
C	275+96.97	6.88	752.73	752.73
Ⓞ Brg Pier 1 Span 1	276+05.75	7.17	752.79	752.79
Ⓞ Brg Pier 1 Span 2	276+07.76	7.23	752.81	752.81
D	276+17.81	7.48	752.90	752.92
E	276+27.85	7.67	753.00	753.03
F	276+37.90	7.79	753.11	753.15
G	276+47.95	7.85	753.23	753.27
H	276+58.00	7.85	753.37	753.39
Ⓞ Brg Pier 2 Span 2	276+66.04	7.80	753.48	753.48
Ⓞ Brg Pier 2 Span 3	276+68.05	7.78	753.51	753.51
J	276+78.10	7.64	753.67	753.68
K	276+88.15	7.44	753.84	753.85
L	276+98.19	7.18	754.03	754.03
Ⓞ Brg N. Abut	277+06.98	6.89	754.19	754.19
Bk N. Abut	277+08.24	6.85	754.22	754.22

Note  
1. For Deck Elevation Plan see sheet SD-4.  
2. Stations and Offsets are taken from Ⓞ Proposed IL 25/Dunham Road

DESIGNED	AJK
CHECKED	HMA
DRAWN	AJK
CHECKED	DMC

**benesch**  
alfred benesch & company  
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Job # 3944

**DECK ELEVATIONS 2 OF 3**  
**IL 25/DUNHAM ROAD OVER THE**  
**EAST BRANCH OF BREWSTER CREEK**  
**F.A.P. 360 - SEC. 06-00214-15-BR**  
**KANE COUNTY**  
**STATION 276+36.96**  
**STRUCTURE NO. 045-2032**

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