

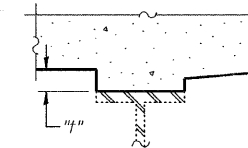
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GIRDER 5

GIRDER 5 (CONT.)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. N. Abut.	13+36.83	13.00	521.57	521.57
☉ Brg. N. Abut.	13+39.12	13.00	521.54	521.54
A1	13+49.12	13.00	521.42	521.45
B1	13+59.12	13.00	521.31	521.37
C1	13+69.12	13.00	521.21	521.29
D1	13+79.12	13.00	521.12	521.21
E1	13+89.12	13.00	521.05	521.13
F1	13+99.12	13.00	520.99	521.05
G1	14+09.12	13.00	520.94	520.98
H1	14+19.12	13.00	520.91	520.93
J1	14+29.12	13.00	520.88	520.89
☉ Brg. Pier 1	14+38.12	13.00	520.87	520.87
A2	14+48.12	13.00	520.87	520.88
B2	14+58.12	13.00	520.89	520.91
C2	14+68.12	13.00	520.91	520.96
D2	14+78.12	13.00	520.95	521.02
E2	14+88.12	13.00	521.00	521.09
F2	14+98.12	13.00	521.05	521.15
G2	15+08.12	13.00	521.10	521.20
H2	15+18.12	13.00	521.15	521.23
J2	15+28.12	13.00	521.20	521.26
K2	15+38.12	13.00	521.25	521.29
L2	15+48.12	13.00	521.30	521.31
M2	15+58.12	13.00	521.35	521.35
☉ Brg. Pier 2	15+65.12	13.00	521.38	521.38
A3	15+75.12	13.00	521.43	521.44
B3	15+85.12	13.00	521.48	521.51
C3	15+95.12	13.00	521.53	521.59
D3	16+05.12	13.00	521.58	521.66
E3	16+15.12	13.00	521.63	521.73
F3	16+25.12	13.00	521.68	521.78
G3	16+35.12	13.00	521.72	521.81
H3	16+45.12	13.00	521.76	521.82
J3	16+55.12	13.00	521.79	521.82
☉ N. Brg. Pier 3	16+64.12	13.00	521.81	521.81
☉ Pier 3	16+65.00	13.00	521.81	521.81
☉ S. Brg. Pier 3	16+65.87	13.00	521.81	521.81
A4	16+75.87	13.00	521.83	521.87
B4	16+85.87	13.00	521.84	521.91
C4	16+95.87	13.00	521.84	521.94
D4	17+05.87	13.00	521.84	521.94
E4	17+15.87	13.00	521.83	521.93
F4	17+25.87	13.00	521.82	521.90
G4	17+35.87	13.00	521.80	521.85
H4	17+45.87	13.00	521.78	521.80
J4	17+55.87	13.00	521.74	521.75
☉ Brg. Pier 4	17+64.87	13.00	521.71	521.71

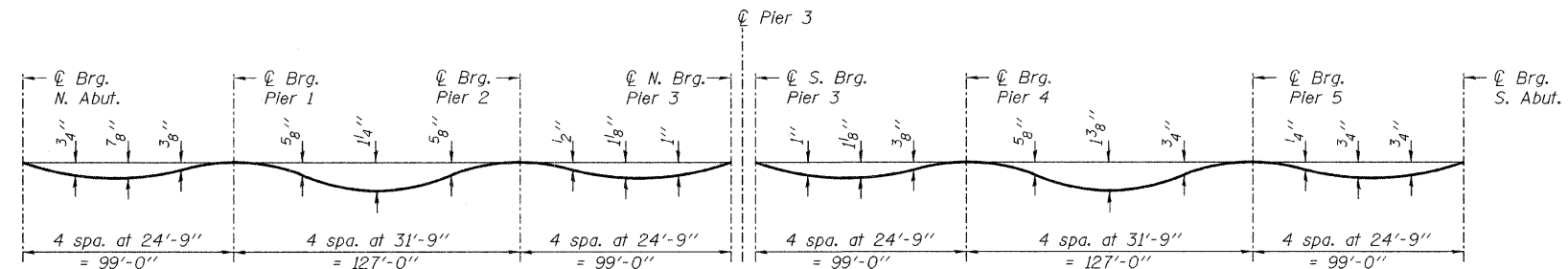
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
A5	17+74.87	13.00	521.67	521.68
B5	17+84.87	13.00	521.62	521.65
C5	17+94.87	13.00	521.57	521.62
D5	18+04.87	13.00	521.52	521.60
E5	18+14.87	13.00	521.47	521.57
F5	18+24.87	13.00	521.42	521.53
G5	18+34.87	13.00	521.37	521.48
H5	18+44.87	13.00	521.32	521.42
J5	18+54.87	13.00	521.27	521.35
K5	18+64.87	13.00	521.22	521.27
L5	18+74.87	13.00	521.17	521.20
M5	18+84.87	13.00	521.12	521.13
☉ Brg. Pier 5	18+91.87	13.00	521.08	521.08
A6	19+01.87	13.00	521.03	521.04
B6	19+11.87	13.00	520.98	521.00
C6	19+21.87	13.00	520.94	520.98
D6	19+31.87	13.00	520.91	520.97
E6	19+41.87	13.00	520.89	520.96
F6	19+51.87	13.00	520.87	520.95
G6	19+61.87	13.00	520.87	520.95
H6	19+71.87	13.00	520.88	520.94
J6	19+81.87	13.00	520.90	520.93
☉ Brg. S. Abut.	19+90.87	13.00	520.93	520.93
Bk. S. Abut.	19+93.16	13.00	520.94	520.94



At Fascia Girder

To determine "t": After existing deck has been removed, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on the plans, minus slab thickness equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only)

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on the plans.

DESIGNED -	JLS
CHECKED -	KWS
DRAWN -	VH
CHECKED -	MRB

**TOP OF SLAB ELEVATIONS 3 OF 3
STRUCTURE NO. 099-3298**

benesch

alfred benesch & company
Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 3808.02

SHEET NO. S10 S47 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	341	04-00090-07-BR	WILL	57	18
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63442					

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