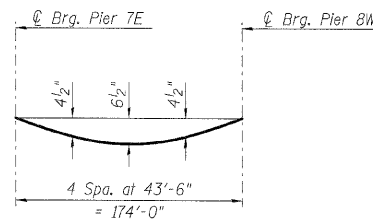


Contract #83984

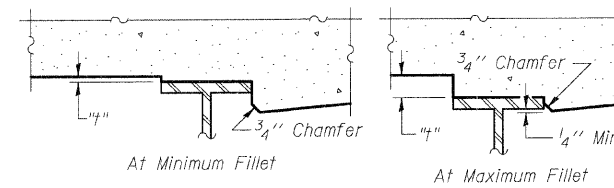


**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete only.)

**Note:**

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 below.



To determine "t": After all structural steel has been erected, 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 below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

**FILLET HEIGHTS**

**BOX GIRDER NORTH FLANGE**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
<b>UNIT 4</b>				
CL E. BRG. PIER 7	19+07.31	-2.99	833.89	833.89
A	19+17.42	-3.24	834.39	834.49
B	19+27.44	-3.25	834.86	835.06
C	19+37.44	-3.25	835.27	835.55
D	19+47.44	-3.25	835.62	835.97
E	19+57.44	-3.25	835.89	836.32
F	19+67.44	-3.25	836.10	836.58
G	19+77.44	-3.25	836.25	836.76
H	19+87.44	-3.25	836.32	836.86
I	19+97.44	-3.25	836.33	836.87
J	20+07.44	-3.25	836.28	836.80
K	20+17.44	-3.25	836.15	836.65
L	20+27.44	-3.25	835.96	836.41
M	20+37.44	-3.25	835.71	836.09
N	20+47.44	-3.25	835.38	835.70
O	20+57.44	-3.25	834.99	835.22
P	20+67.44	-3.25	834.54	834.67
CL W. BRG. PIER 8	20+81.44	-3.25	833.84	833.84

**CL PATH & PGL**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
<b>UNIT 4</b>				
CL E. BRG. PIER 7	19+07.44	0.00	833.96	833.96
A	19+17.44	0.00	834.46	834.56
B	19+27.44	0.00	834.93	835.12
C	19+37.44	0.00	835.34	835.62
D	19+47.44	0.00	835.68	836.04
E	19+57.44	0.00	835.96	836.39
F	19+67.44	0.00	836.17	836.65
G	19+77.44	0.00	836.31	836.83
H	19+87.44	0.00	836.39	836.92
I	19+97.44	0.00	836.40	836.94
J	20+07.44	0.00	836.34	836.87
K	20+17.44	0.00	836.22	836.71
L	20+27.44	0.00	836.03	836.48
M	20+37.44	0.00	835.77	836.16
N	20+47.44	0.00	835.45	835.77
O	20+57.44	0.00	835.06	835.29
P	20+67.44	0.00	834.60	834.74
CL W. BRG. PIER 8	20+81.44	0.00	833.90	833.90

**BOX GIRDER SOUTH FLANGE**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
<b>UNIT 4</b>				
CL E. BRG. PIER 7	19+07.58	3.50	833.89	833.89
A	19+17.47	3.26	834.39	834.49
B	19+27.44	3.25	834.86	835.06
C	19+37.44	3.25	835.27	835.55
D	19+47.44	3.25	835.62	835.97
E	19+57.44	3.25	835.89	836.32
F	19+67.44	3.25	836.10	836.58
G	19+77.44	3.25	836.25	836.76
H	19+87.44	3.25	836.32	836.86
I	19+97.44	3.25	836.33	836.87
J	20+07.44	3.25	836.28	836.80
K	20+17.44	3.25	836.15	836.65
L	20+27.44	3.25	835.96	836.41
M	20+37.44	3.25	835.71	836.09
N	20+47.44	3.25	835.38	835.70
O	20+57.44	3.25	834.99	835.22
P	20+67.44	3.25	834.54	834.67
CL W. BRG. PIER 8	20+81.44	3.25	833.84	833.84

DESIGNED	MJD
CHECKED	AEU
DRAWN	MJD
CHECKED	AEU

**RHA&A**  
 Robert H. Anderson & Associates, Inc.  
 Consulting Engineers  
 License No. 184-005281

**TOP OF SLAB ELEVATIONS  
 UNIT 4**  
 PEDESTRIAN BRIDGE OVER RANDALL ROAD  
 AT SILVER GLEN ROAD  
 FAU 2505, SECTION 94-P4008-01-BR  
 KANE COUNTY  
 STRUCTURE NO. 045-9000  
 DATE: OCTOBER 31, 2008