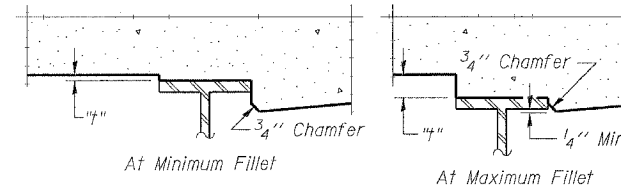


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A. 5	19B-2-D	STEPHENSON	57	21
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 5  
23 SHEETS



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**

**GIRDER NO. 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	55+36.27	-30.42	764.27	764.27
⊕ Brg. N. Abut.	55+38.03	-30.41	764.25	764.25
A	55+47.90	-30.35	764.18	764.19
B	55+57.79	-30.33	764.11	764.13
C	55+67.79	-30.33	764.03	764.05
D	55+77.79	-30.33	763.96	763.97
E	55+87.79	-30.33	763.89	763.89
⊕ Brg. Pier #1	55+92.79	-30.33	763.85	763.85
F	56+00.00	-30.33	763.80	763.80
G	56+10.00	-30.33	763.72	763.73
H	56+20.00	-30.33	763.65	763.67
I	56+30.00	-30.33	763.57	763.59
J	56+40.00	-30.33	763.50	763.51
K	56+50.00	-30.33	763.43	763.43
⊕ Brg. Pier #2	56+57.21	-30.33	763.37	763.37
L	56+62.21	-30.33	763.34	763.34
M	56+72.21	-30.33	763.26	763.27
N	56+82.21	-30.33	763.19	763.21
O	56+92.21	-30.33	763.12	763.14
P	57+02.21	-30.33	763.05	763.06
⊕ Brg. S. Abut.	57+12.21	-30.33	762.97	762.97
⊕ Bk. S. Abut.	57+14.00	-30.33	762.96	762.96

**GIRDER NO. 2**

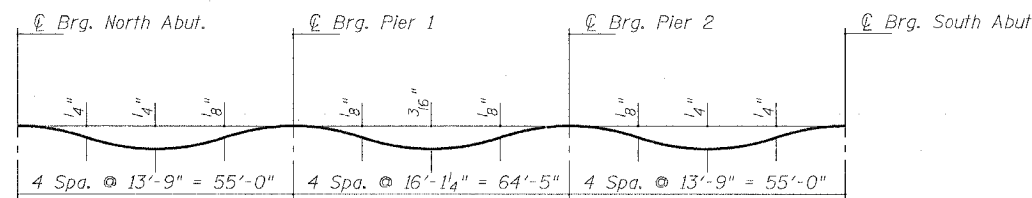
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	55+36.22	-24.59	764.11	764.11
⊕ Brg. N. Abut.	55+37.99	-24.57	764.10	764.10
A	55+47.88	-24.52	764.04	764.05
B	55+57.79	-24.50	763.98	764.00
C	55+67.79	-24.50	763.92	763.94
D	55+77.79	-24.50	763.86	763.87
E	55+87.79	-24.50	763.80	763.80
⊕ Brg. Pier #1	55+92.79	-24.50	763.77	763.77
F	56+00.00	-24.50	763.72	763.72
G	56+10.00	-24.50	763.66	763.67
H	56+20.00	-24.50	763.60	763.62
I	56+30.00	-24.50	763.54	763.56
J	56+40.00	-24.50	763.48	763.49
K	56+50.00	-24.50	763.42	763.42
⊕ Brg. Pier #2	56+57.21	-24.50	763.38	763.38
L	56+62.21	-24.50	763.35	763.35
M	56+72.21	-24.50	763.29	763.30
N	56+82.21	-24.50	763.23	763.25
O	56+92.21	-24.50	763.17	763.19
P	57+02.21	-24.50	763.11	763.12
⊕ Brg. S. Abut.	57+12.21	-24.50	763.05	763.05
⊕ Bk. S. Abut.	57+14.00	-24.50	763.03	763.03

**GIRDER NO. 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	55+36.17	-18.76	763.95	763.95
⊕ Brg. N. Abut.	55+37.94	-18.74	763.94	763.94
A	55+47.86	-18.68	763.90	763.91
B	55+57.79	-18.67	763.85	763.87
C	55+67.79	-18.67	763.80	763.82
D	55+77.79	-18.67	763.75	763.76
E	55+87.79	-18.67	763.71	763.71
⊕ Brg. Pier #1	55+92.79	-18.67	763.68	763.68
F	56+00.00	-18.67	763.65	763.65
G	56+10.00	-18.67	763.60	763.61
H	56+20.00	-18.67	763.55	763.57
I	56+30.00	-18.67	763.51	763.53
J	56+40.00	-18.67	763.46	763.47
K	56+50.00	-18.67	763.41	763.41
⊕ Brg. Pier #2	56+57.21	-18.67	763.38	763.38
L	56+62.21	-18.67	763.35	763.35
M	56+72.21	-18.67	763.31	763.32
N	56+82.21	-18.67	763.26	763.28
O	56+92.21	-18.67	763.21	763.23
P	57+02.21	-18.67	763.17	763.18
⊕ Brg. S. Abut.	57+12.21	-18.67	763.12	763.12
⊕ Bk. S. Abut.	57+14.00	-18.67	763.11	763.11

**GIRDER NO. 4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	55+36.11	-12.92	763.80	763.80
⊕ Brg. N. Abut.	55+37.90	-12.92	763.79	763.79
A	55+47.84	-12.85	763.75	763.76
B	55+57.79	-12.83	763.72	763.74
C	55+67.79	-12.83	763.69	763.71
D	55+77.79	-12.83	763.65	763.66
E	55+87.79	-12.83	763.62	763.62
⊕ Brg. Pier #1	55+92.79	-12.83	763.60	763.60
F	56+00.00	-12.83	763.58	763.58
G	56+10.00	-12.83	763.54	763.55
H	56+20.00	-12.83	763.51	763.53
I	56+30.00	-12.83	763.47	763.49
J	56+40.00	-12.83	763.44	763.45
K	56+50.00	-12.83	763.40	763.40
⊕ Brg. Pier #2	56+57.21	-12.83	763.38	763.38
L	56+62.21	-12.83	763.36	763.36
M	56+72.21	-12.83	763.33	763.34
N	56+82.21	-12.83	763.29	763.31
O	56+92.21	-12.83	763.26	763.28
P	57+02.21	-12.83	763.23	763.24
⊕ Brg. S. Abut.	57+12.21	-12.83	763.19	763.19
⊕ Bk. S. Abut.	57+14.00	-12.83	763.19	763.19



**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. All dimensions are in feet except as noted. All offsets are in feet.

DESIGNED	L.C.M.
CHECKED	S.D.K.
DRAWN	T.L.N.
CHECKED	S.D.K.

EXAMINED	20
PASSED	

TOP OF SLAB ELEVATIONS  
U.S. 20 B.R. OVER YELLOW CREEK  
F.A. RT. 5 SEC. 19B-2-D  
STEPHENSON COUNTY  
STATION 56+25.00  
STRUCTURE NUMBER 089-0008

