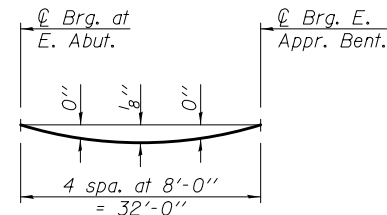
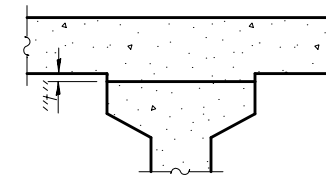


**E.B. DEAD LOAD DEFLECTION DIAGRAM**  
(Includes weight of concrete, excluding beams.)

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 and on sheets 12 and 13 of 62.



**W.B. DEAD LOAD DEFLECTION DIAGRAM**  
(Includes weight of concrete, excluding beams.)



To determine "t": Elevations of the top flanges of the existing beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflections" shown below, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

**FILLET HEIGHTS**

**NORTH CURTAIN WALL - W.B.**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Abut.	137+65.31	-47.32	692.29	692.29
C Brg. at E. Abut.	137+66.06	-47.33	692.27	692.27
U	137+76.06	-47.47	692.07	692.07
V	137+86.06	-47.62	691.86	691.86
C Brg. E. Appr. Bent	137+98.06	-47.79	691.61	691.61
End of E. Vault Slab	137+98.80	-47.80	691.60	691.60
Bk. of E. Appr. Bent	137+99.30	-47.81	691.59	691.59

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Abut.	137+65.48	-40.25	692.44	692.44
C Brg. at E. Abut.	137+66.23	-40.25	692.42	692.42
U	137+76.23	-40.25	692.24	692.25
V	137+86.23	-40.25	692.07	692.07
C Brg. E. Appr. Bent	137+98.23	-40.25	691.85	691.85
End of E. Vault Slab	137+98.98	-40.25	691.84	691.84
Bk. of E. Appr. Bent	137+99.48	-40.25	691.83	691.83

**BEAM 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Abut.	137+65.66	-32.75	692.59	692.59
C Brg. at E. Abut.	137+66.41	-32.75	692.58	692.58
U	137+76.41	-32.75	692.43	692.43
V	137+86.41	-32.75	692.28	692.28
C Brg. E. Appr. Bent	137+98.41	-32.75	692.10	692.10
End of E. Vault Slab	137+99.16	-32.75	692.08	692.08
Bk. of E. Appr. Bent	137+99.66	-32.75	692.08	692.08

**BEAM 4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Abut.	137+65.84	-25.25	692.75	692.75
C Brg. at E. Abut.	137+66.59	-25.25	692.74	692.74
U	137+76.59	-25.25	692.61	692.62
V	137+86.59	-25.25	692.49	692.50
C Brg. E. Appr. Bent	137+98.59	-25.25	692.34	692.34
End of E. Vault Slab	137+99.34	-25.25	692.33	692.33
Bk. of E. Appr. Bent	137+99.84	-25.25	692.32	692.32

\* North Curtain Wall - W.B. only  
\*\* South Curtain Wall - E.B. only

Notes:  
Negative offset denotes an offset to the left of Profile Grade.  
Offset for North Curtain Wall - W.B., South Curtain Wall - W.B., and Beams 2 thru 7 are based off of PG W.B. Roadway.  
Offset for North Curtain Wall - E.B., South Curtain Wall - E.B., and Beams 10 thru 15 are based off of PG E.B. Roadway.

FILE NAME =	USER NAME = #USER*	DESIGNED K.A. KLUES	REVISED - 12/17/12 DHC/JKS
#FILE*	CHECKED E.M. LAGEMANN	Del. Staging (IDOT)	
PLOT SCALE =	DRAWN K.A. KLUES	REVISED -	
PLOT DATE = #DATE*	CHECKED E.M. LAGEMANN	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HORNER & SHIFRIN, INC.  
ENGINEERS

TOP OF SLAB ELEVATIONS  
STRUCTURE NOS. 072-0119 (E.B.) & 072-0120 (W.B.)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
474	(72-3HB-1),I	PEORIA	88	27
CONTRACT NO. 68883				
ILLINOIS FED. AID PROJECT				

SHEET NO. 11 OF 62 SHEETS