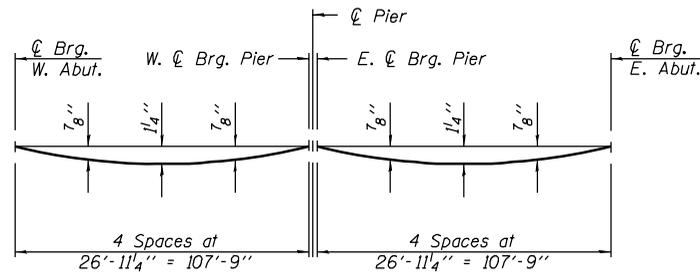


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	10-32HB-3,K	CHAMPAIGN	352	115
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 6
27 SHEETS

Contract #90758

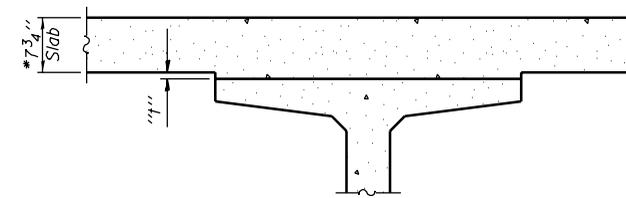


DEAD LOAD DEFLECTION DIAGRAM

(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 and grinding as shown below and on sheets 4 and 5 of 27.



To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 3 of 27. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections and Grinding" show below and on sheets 4 and 5 of 27, minus 7/8" deck thickness, equals the fillet heights "t" above top flanges of beams. The slab is to be ground after curing to achieve smoothness, but the slab is not to be ground to elevations below the "Theoretical Grade Elevations" shown below and on sheets 4 and 5 of 27. For grinding the deck, see Special Provisions.

FILLET HEIGHTS

*Prior to grinding

BEAM 14

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection and Grinding
BK.W. ABUT.	27+10.300	43.333	724.051	724.072
CL.BRG.W. ABUT.	27+11.800	43.333	724.056	724.077
A	27+21.800	43.333	724.090	724.139
B	27+31.800	43.333	724.121	724.198
C	27+41.800	43.333	724.149	724.249
D	27+51.800	43.333	724.174	724.284
E	27+61.800	43.333	724.195	724.316
F	27+71.800	43.333	724.214	724.332
G	27+81.800	43.333	724.229	724.335
H	27+91.800	43.333	724.241	724.336
I	28+01.800	43.333	724.250	724.319
J	28+11.800	43.333	724.256	724.298
W.CL.BRG.PIER	28+19.550	43.333	724.258	724.279
CL.PIER	28+20.300	43.333	724.258	724.279
E.CL.BRG.PIER	28+21.050	43.333	724.258	724.279
K	28+31.050	43.333	724.258	724.306
L	28+41.050	43.333	724.254	724.329
M	28+51.050	43.333	724.248	724.345
N	28+61.050	43.333	724.238	724.347
O	28+71.050	43.333	724.225	724.346
P	28+81.050	43.333	724.209	724.327
Q	28+91.050	43.333	724.190	724.297
R	29+01.050	43.333	724.167	724.264
S	29+11.050	43.333	724.142	724.212
T	29+21.050	43.333	724.113	724.155
CL.BRG.E. ABUT.	29+28.800	43.333	724.088	724.109
BK.E. ABUT.	29+30.300	43.333	724.083	724.104

DESIGNED	Gholam R. Ahanchi
CHECKED	Rebecca L. Tharp
DRAWN	Michael B. Mossman
CHECKED	G.R.A. / R.L.T.

April 28, 2006
EXAMINED *Thomas J. Domagala*
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

TOP OF SLAB ELEVATIONS
F.A.I. ROUTE 57 SEC. 10-32HB-3,K
CHAMPAIGN COUNTY
STATION 297+20.45
STRUCTURE NO. 010-0272