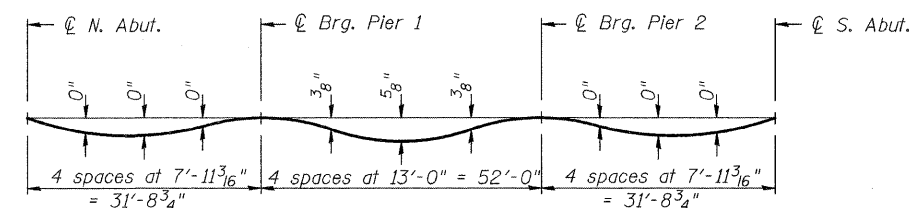


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. North Abut.	470+14.36	15.00	390.45	390.45
☉ North Abut.	470+15.62	15.00	390.45	390.45
A	470+25.62	15.00	390.45	390.45
B	470+35.62	15.00	390.45	390.45
☉ Brg. Pier 1	470+47.36	15.00	390.45	390.45
C	470+57.36	15.00	390.46	390.48
D	470+67.36	15.00	390.46	390.50
E	470+77.36	15.00	390.46	390.51
F	470+87.36	15.00	390.46	390.49
☉ Brg. Pier 2	470+99.36	15.00	390.47	390.47
G	471+09.36	15.00	390.47	390.46
H	471+19.36	15.00	390.47	390.47
☉ South Abut.	471+31.09	15.00	390.47	390.47
Bk. South Abut.	471+32.36	15.00	390.47	390.47

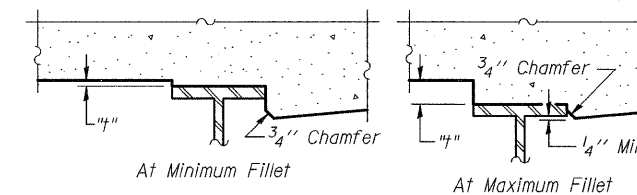


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:

The above deflections are not for use in the field if the engineer is working from the "Theoretical Grade Elevations Adjusted For Dead Load Deflection" as shown on sheets 8, 9 and 10 of 26.



To determine "t": After all structural steel has been erected for a designated stage, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 7 of 26. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheet numbers 8, 9 and 10 of 26, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

**TOP OF SLAB ELEVATIONS
IL ROUTE 242 OVER
SHELTON CREEK
STATION 470+76**

DESIGNED - CJW
CHECKED - VDP
DRAWN - JLR
CHECKED - CJW



SHEET NO. 10 26 SHEETS	F.A.P. RTE. 776	SECTION (102)B-1	COUNTY HAMILTON	TOTAL SHEETS 53	SHEET NO. 37
	S.N. 033-0053		CONTRACT NO. 78016		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		