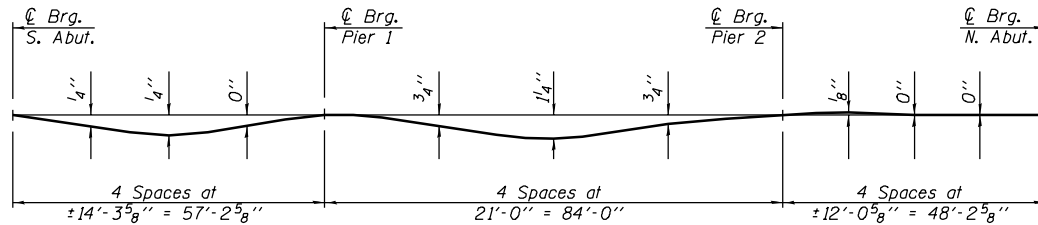


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1671	‡	DOUGLAS	181	113
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

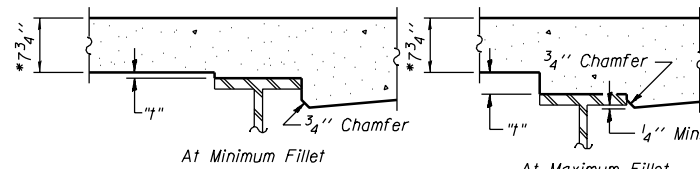
SHEET NO. 29
46 SHEETS

Contract #70258
‡ 22VBR-1 and 144SBR-2



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 and grinding as shown on sheets 27 through 29 of 46.



*Prior to Grinding

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 26 of 46. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections and Grinding" shown on sheets 27 through 29 of 46, minus the 7 3/4" 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 on sheets 27 through 29 of 46. For grinding the deck, see Special Provisions.

FILLET HEIGHTS

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
Bk. S. Abut.	1154+09.60	14.58	684.98	685.00
☉ Brg. S. Abut.	1154+10.88	14.58	684.97	684.99
A	1154+20.88	14.58	684.95	684.98
B	1154+30.88	14.58	684.92	684.96
C	1154+40.88	14.58	684.88	684.92
D	1154+50.88	14.58	684.83	684.86
E	1154+60.88	14.58	684.78	684.80
☉ Brg. Pier 1	1154+68.10	14.58	684.73	684.75
F	1154+78.10	14.58	684.66	684.71
G	1154+88.10	14.58	684.58	684.66
H	1154+98.10	14.58	684.49	684.59
I	1155+08.10	14.58	684.39	684.51
J	1155+18.10	14.58	684.28	684.39
K	1155+28.10	14.58	684.17	684.26
L	1155+38.10	14.58	684.04	684.11
☉ Brg. Pier 2	1155+52.10	14.58	683.85	683.87
M	1155+62.10	14.58	683.71	683.72
N	1155+72.10	14.58	683.55	683.57
O	1155+82.10	14.58	683.39	683.41
P	1155+92.10	14.58	683.22	683.24
☉ Brg. N. Abut.	1156+00.32	14.58	683.07	683.09
Bk. N. Abut.	1156+01.60	14.58	683.05	683.07

DESIGNED	Curt M. Evoy
CHECKED	Rebecca L. Tharp
DRAWN	Michael B. Mossman
CHECKED	C.M.E. / R.L.T.

EXAMINED	August 4, 2006
PASSED	Thomas J. Domagala ENGINEER OF BRIDGE DESIGN
	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

TOP OF SLAB ELEVATIONS
F.A.S. RT. 1671 - SEC. 22VBR-1
DOUGLAS COUNTY
STATION 1154+99.02
STRUCTURE NO. 021-0060