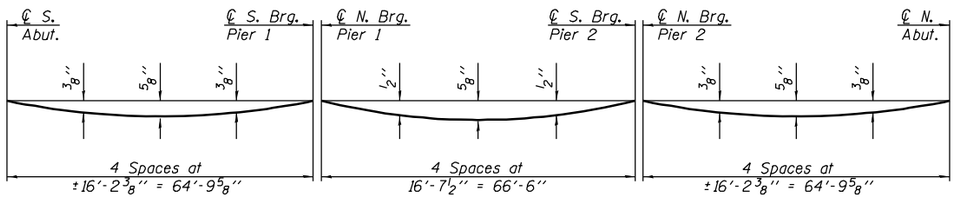
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| F.A.S. 1671 | ‡ | DOUGLAS | 181 | 91 |
| FED. ROAD DIST. NO. 7 | | ILLINOIS | FED. AID PROJECT- | |

SHEET NO. 7
46 SHEETS

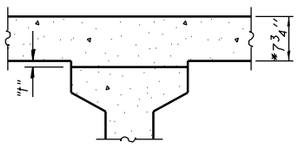
Contract #70258
‡ 22VBR-1 and 144SBR-2




## 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 on sheets 5 through 7 of 46.




* Prior to grinding

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 4 of 46. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections and Grinding" shown on sheets 5 through 7 of 46, minus the $7\frac{3}{4}$" 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 5 through 7 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. | 1150+58.58 | 14.58 | 680.16 | 680.18 |
| ℄ S. Abut. | 1150+60.02 | 14.58 | 680.20 | 680.22 |
| A | 1150+70.02 | 14.58 | 680.49 | 680.53 |
| B | 1150+80.02 | 14.58 | 680.77 | 680.82 |
| C | 1150+90.02 | 14.58 | 681.03 | 681.10 |
| D | 1151+00.02 | 14.58 | 681.29 | 681.35 |
| E | 1151+10.02 | 14.58 | 681.54 | 681.59 |
| ℄ S. Brg. | 1151+24.83 | 14.58 | 681.90 | 681.92 |
| ℄ Pier 1 | 1151+25.58 | 14.58 | 681.91 | 681.93 |
| ℄ N. Brg. | 1151+26.33 | 14.58 | 681.93 | 681.95 |
| F | 1151+36.33 | 14.58 | 682.16 | 682.20 |
| G | 1151+46.33 | 14.58 | 682.38 | 682.44 |
| H | 1151+56.33 | 14.58 | 682.59 | 682.66 |
| I | 1151+66.33 | 14.58 | 682.79 | 682.85 |
| J | 1151+76.33 | 14.58 | 682.98 | 683.04 |
| K | 1151+86.33 | 14.58 | 683.16 | 683.20 |
| ℄ S. Brg. | 1151+92.83 | 14.58 | 683.28 | 683.30 |
| ℄ Pier 2 | 1151+93.58 | 14.58 | 683.29 | 683.31 |
| ℄ N. Brg. | 1151+94.33 | 14.58 | 683.30 | 683.32 |
| L | 1152+04.33 | 14.58 | 683.47 | 683.51 |
| M | 1152+14.33 | 14.58 | 683.63 | 683.69 |
| N | 1152+24.33 | 14.58 | 683.78 | 683.85 |
| O | 1152+34.33 | 14.58 | 683.92 | 683.98 |
| P | 1152+44.33 | 14.58 | 684.05 | 684.10 |
| ℄ N. Abut. | 1152+59.14 | 14.58 | 684.23 | 684.25 |
| Bk. N. Abut. | 1152+60.58 | 14.58 | 684.25 | 684.27 |

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

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

TOP OF SLAB ELEVATIONS
F.A.S. RT. 1671 - SEC. 22VBR-1
DOUGLAS COUNTY
STATION 1151+65.86
STRUCTURE NO. 021-0061