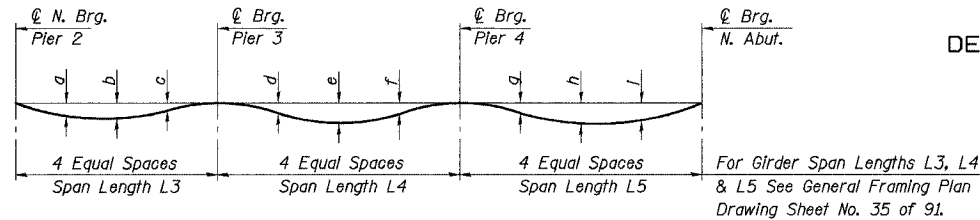


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-------------------------|----------|--------------------|--------------|-----------|--------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 5 91 SHEETS |
| F. A. I. 80/94 | * | COOK | 870 | 519 | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT- | | | |
| (0203.1 & 0312-T08) R-3 | | CONTRACT NO. 62108 | | | |



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of slab & parapet-no future wearing surface)

DEAD LOAD DEFLECTION TABLE

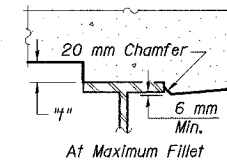
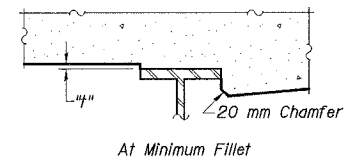
| Girder No. | Deflection | Span 3 (L3) | | | Span 4 (L4) | | | Span 5 (L5) | | |
|------------|------------|-------------|----|----|-------------|----|----|-------------|----|----|
| | | a | b | c | d | e | f | g | h | i |
| 1 | | 21 | 23 | 8 | 28 | 50 | 27 | 10 | 26 | 25 |
| 2 | | 21 | 24 | 9 | 23 | 46 | 26 | 11 | 29 | 27 |
| 3 ** | | 19 | 21 | 8 | 3 | 8 | 14 | - | - | - |
| 4 | | 22 | 25 | 10 | 23 | 47 | 28 | 6 | 19 | 20 |
| 5 ** | | 24 | 26 | 9 | 31 | 56 | 33 | -2 | 3 | 11 |
| 6 | | 23 | 25 | 8 | 36 | 64 | 38 | 2 | 15 | 17 |
| 7 | | 24 | 25 | 9 | 33 | 61 | 34 | 7 | 22 | 22 |
| 8 | | 22 | 25 | 10 | 23 | 46 | 26 | 12 | 30 | 28 |
| 9 ** | | 20 | 23 | 8 | 2 | 8 | 14 | - | - | - |
| 10 | | 24 | 26 | 11 | 22 | 46 | 26 | 12 | 30 | 28 |
| 11 | | 25 | 27 | 10 | 31 | 58 | 32 | 11 | 29 | 28 |
| 12 | | 22 | 24 | 8 | 30 | 54 | 30 | 9 | 26 | 24 |

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 in the "Top of Slab Elevations" tables. All offsets shown in the "Top of Slab Elevations" tables are in meters.

** Last span for girders 3, 5, & 9 is from Pier 3 or Pier 4 to Head Beam.

END OF SPAN DIMENSIONS
(Values in Meters)

| Location | D1 | D2 | D3 |
|-------------------|-------|-------|-------|
| Girder 1 | 2.743 | 2.635 | 3.393 |
| Girder 2 | 2.743 | 2.643 | 3.411 |
| Girder 3 | 2.944 | 2.318 | - |
| Girder 4 | 3.154 | 2.960 | 3.302 |
| Girder 5 | 3.154 | 3.091 | 1.567 |
| Girder 6 | 3.154 | 3.240 | 3.900 |
| Girder 7 | 3.154 | 3.300 | 4.045 |
| Girder 8 | 3.154 | 3.303 | 4.050 |
| Girder 9 | 3.381 | 2.467 | - |
| Girder 10 | 3.617 | 3.666 | 3.891 |
| Girder 11 | 3.617 | 3.680 | 3.920 |
| Girder 12 | 3.617 | 3.692 | 3.948 |
| @ SB IL 394 & PGL | 3.617 | 3.584 | 4.052 |
| @ Ramp F | 2.742 | 2.575 | 3.458 |



To determine "f": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown in the elevation tables. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown, minus slab thickness, equals the fillet heights "f" above top flange of girders.

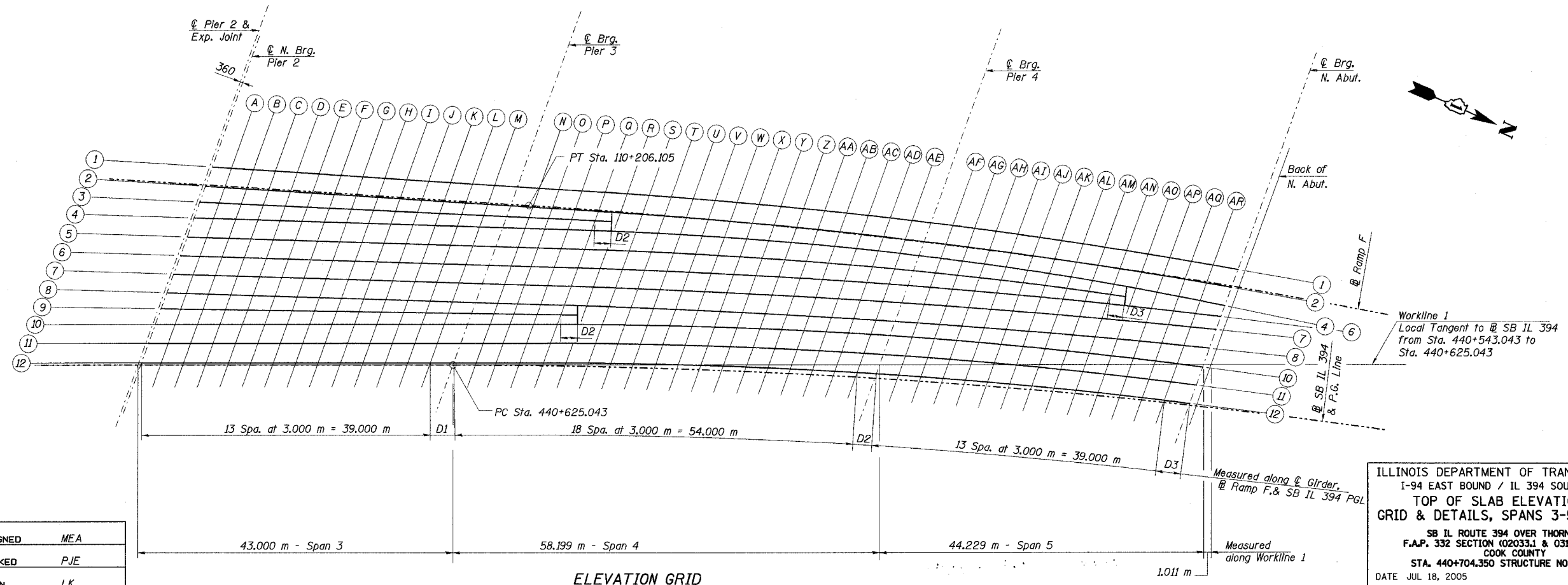
FILLET HEIGHTS

Notes:

1. Work this sheet with Sheet Nos. 6 - 10 of 91.
2. For Girder Framing Layout see Sheets Nos. 35, 37, 39 & 41 of 91.
3. All dimensions are in millimeters (mm) unless otherwise noted.

HAND FINISH NOTE

Hand finish gore area and slope to drain. See Sheet No. 29 of 91 for additional information.



| | |
|----------|-----|
| DESIGNED | MEA |
| CHECKED | PJE |
| DRAWN | LK |
| CHECKED | PJE |

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-94 EAST BOUND / IL 394 SOUTH BOUND
**TOP OF SLAB ELEVATIONS,
GRID & DETAILS, SPANS 3-5 - UNIT 1**
SB IL ROUTE 394 OVER THORN CREEK
F.A.P. 332 SECTION (0203.1 & 0312-T08) R-3
COOK COUNTY
STA. 440+704.350 STRUCTURE NO. 016-2800
DATE JUL 18, 2005
SCALE ---

HNTB

J:\Beauchamp
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