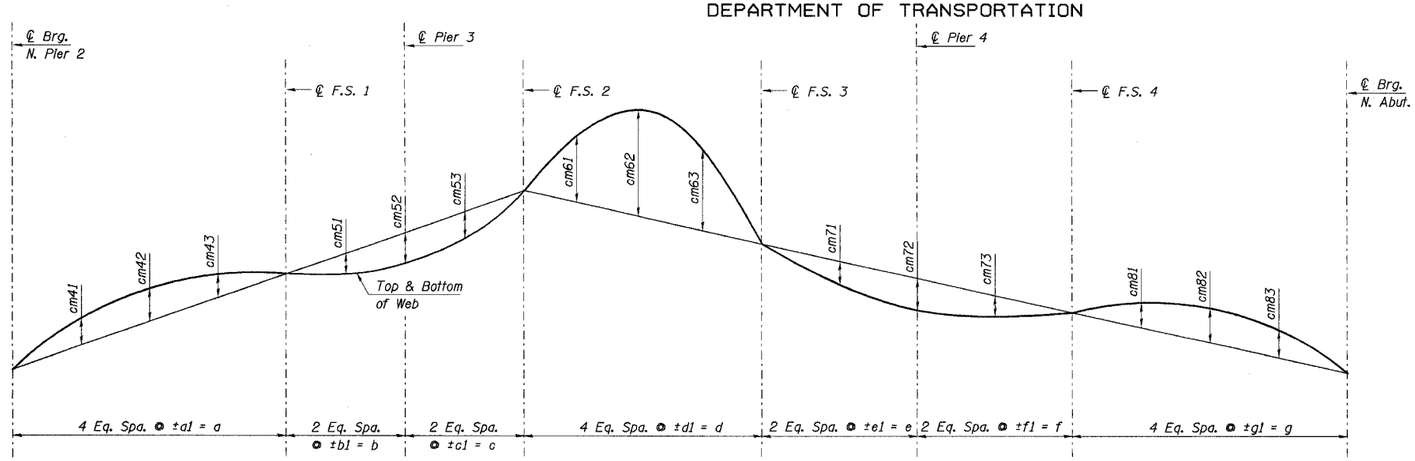
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| F. A. I. 80/94 | * | COOK | 870 | 560 |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT- | | |

SHEET NO. 46
91 SHEETS

(0203.1 & 0312-708W) R-3 CONTRACT NO. 62108

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION




## CAMBER DIAGRAM- GIRDERS 1 THRU 12 EXCEPT 3, 9 & 5

(For dimensions a, b, c, d, e, f, g see Sheet No. 35 of 91.)

## CAMBER VALUES

| Girder | cm41 | cm42 | cm43 | cm51 | cm52 | cm53 | cm61 | cm62 | cm63 | cm71 | cm72 | cm73 | cm81 | cm82 | cm83 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18 | 25 | 18 | 14 | 20 | 14 | 96 | 128 | 94 | 13 | 20 | 13 | 21 | 30 | 22 |
| 2 | 18 | 26 | 18 | 12 | 18 | 13 | 92 | 126 | 93 | 13 | 20 | 13 | 22 | 34 | 25 |
| 4 | 19 | 28 | 19 | 13 | 19 | 13 | 95 | 130 | 96 | 12 | 18 | 13 | 17 | 27 | 19 |
| 6 | 19 | 27 | 19 | 16 | 23 | 16 | 96 | 131 | 96 | 13 | 20 | 14 | 16 | 24 | 18 |
| 7 | 20 | 28 | 19 | 16 | 23 | 16 | 89 | 122 | 88 | 14 | 22 | 15 | 19 | 28 | 21 |
| 8 | 18 | 27 | 19 | 13 | 19 | 13 | 78 | 107 | 78 | 14 | 21 | 15 | 22 | 33 | 24 |
| 10 | 20 | 29 | 21 | 12 | 19 | 13 | 77 | 106 | 77 | 13 | 20 | 14 | 23 | 33 | 24 |
| 11 | 21 | 29 | 20 | 15 | 23 | 16 | 76 | 103 | 74 | 15 | 22 | 15 | 23 | 33 | 24 |
| 12 | 19 | 27 | 19 | 14 | 21 | 14 | 66 | 89 | 64 | 14 | 21 | 15 | 20 | 30 | 22 |

## CAMBER SPACING (Meters)

| Girder | a1 | b1 | c1 | d1 | e1 | f1 | g1 |
|---|---|---|---|---|---|---|---|
| 1 | 7.595 | 5.681 | 5.804 | 8.638 | 5.239 | 5.704 | 7.747 |
| 2 | 7.595 | 5.681 | 5.804 | 8.639 | 5.241 | 5.706 | 7.750 |
| 4 | 7.670 | 5.737 | 5.861 | 8.687 | 5.246 | 5.702 | 7.725 |
| 6 | 7.670 | 5.737 | 5.861 | 8.730 | 5.300 | 5.771 | 7.840 |
| 7 | 7.670 | 5.737 | 5.861 | 8.739 | 5.312 | 5.787 | 7.868 |
| 8 | 7.670 | 5.737 | 5.861 | 8.740 | 5.312 | 5.788 | 7.869 |
| 10 | 7.754 | 5.800 | 5.925 | 8.795 | 5.318 | 5.781 | 7.832 |
| 11 | 7.754 | 5.800 | 5.925 | 8.797 | 5.321 | 5.785 | 7.838 |
| 12 | 7.754 | 5.800 | 5.925 | 8.799 | 5.323 | 5.788 | 7.843 |

## TOP OF WEB ELEVATIONS FOR FABRICATION (Meters)

(Elevations are before any deflections and are to be used for fabrication only)

| Girder | ℄ N. Brg. Pier 2 | ℄ F.S. 1 | ℄ Pier 3 | ℄ F.S. 2 | ℄ F.S. 3 | ℄ Pier 4 | ℄ F.S. 4 | ℄ Brg. N. Abut. |
|---|---|---|---|---|---|---|---|---|
| 1 | 186.874 | 187.114 | 187.172 | 187.273 | 186.953 | 186.805 | 186.686 | 186.370 |
| 2 | 186.908 | 187.088 | 187.120 | 187.189 | 186.872 | 186.725 | 186.606 | 186.285 |
| 4 | 186.973 | 187.056 | 187.067 | 187.115 | 186.813 | 186.663 | 186.537 | 186.197 |
| 6 | 186.949 | 186.926 | 186.904 | 186.930 | 186.660 | 186.520 | 186.411 | 186.144 |
| 7 | 186.936 | 186.859 | 186.815 | 186.817 | 186.551 | 186.421 | 186.326 | 186.073 |
| 8 | 186.926 | 186.796 | 186.729 | 186.698 | 186.419 | 186.296 | 186.207 | 185.946 |
| 10 | 186.918 | 186.716 | 186.634 | 186.588 | 186.322 | 186.200 | 186.109 | 185.819 |
| 11 | 186.918 | 186.655 | 186.553 | 186.497 | 186.201 | 186.074 | 185.981 | 185.696 |
| 12 | 186.921 | 186.597 | 186.476 | 186.396 | 186.075 | 185.948 | 185.854 | 185.572 |

## BEARING SEAT ELEVATIONS (Meters)

| Girder | ℄ N. Brg. Pier 2 | ℄ Pier 3 | ℄ Pier 4 | ℄ Brg. N. Abut. |
|---|---|---|---|---|
| 1 | 184.861 | 185.081 | 184.647 | 184.346 |
| 2 | 184.895 | 185.032 | 184.567 | 184.261 |
| 4 | 184.960 | 184.979 | 184.507 | 184.173 |
| 6 | 184.936 | 184.816 | 184.364 | 184.120 |
| 7 | 184.905 | 184.727 | 184.265 | 184.049 |
| 8 | 184.905 | 184.641 | 184.140 | 183.922 |
| 10 | 184.905 | 184.543 | 184.044 | 183.795 |
| 11 | 184.905 | 184.462 | 183.918 | 183.672 |
| 12 | 184.905 | 184.385 | 183.792 | 183.548 |

Notes:

1 Work this Sheet with Sheets Nos. 35, 38, 40 & 42 of 91.

2. All dimensions are in millimeters (mm) except as noted.

| | |
|---|---|
| DESIGNED | PJE/TL |
| CHECKED | MA |
| DRAWN | LK |
| CHECKED | MA |

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-94 EAST BOUND / IL 394 SOUTH BOUND

CAMBER AND TOP OF WEB ELEVATIONS-1
SPANS 3-5 - UNIT 1

SB IL ROUTE 394 OVER THORN CREEK
F.A.P. 332 SECTION (02033.1 & 0312-708W) R-3
COOK COUNTY
STA. 440+704.350 STRUCTURE NO. 016-2800

DATE JUL 18, 2005
SCALE ---

HNTB

JBeauchamp
E:\34562\CADD\bs\SN_2800\cda\CTR_19_2800\st190114a_2800.dgn
08-JUL-2005 13:48