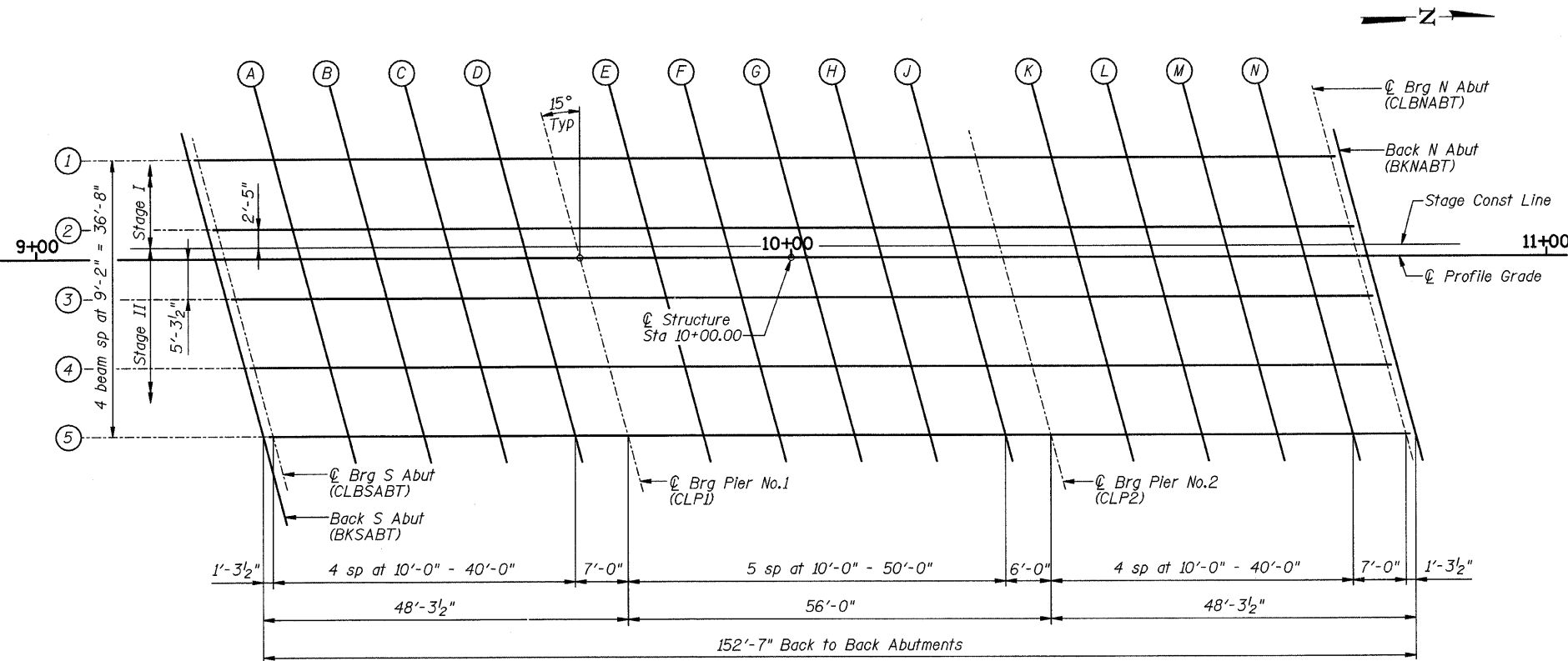
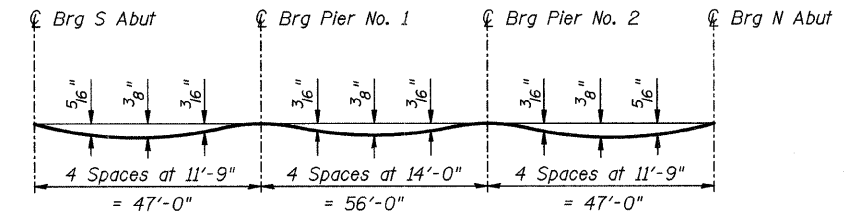


| | | | | |
|---------------|----------|---------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| FAU 7432 | * | MACON | 47 | 16 |
| FEDERAL DIST. | ILLINOIS | PROJECT | | |

08-00602-00-BR



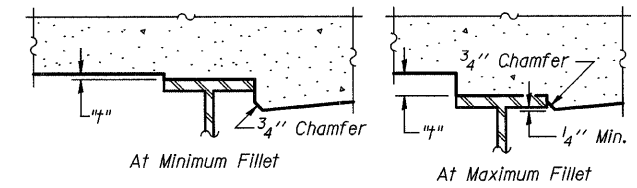
DECK ELEVATION LAYOUT



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 as shown below.



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

FILLET HEIGHTS

| GIRDER 1 | | | | |
|----------|----------|---------|-----------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevation | Elevations Adjusted for Dead Load Deflection |
| BKSABUT | 920.215 | -13.042 | 638.796 | 638.796 |
| CLBRGS | 921.505 | -13.042 | 638.806 | 638.806 |
| A | 931.505 | -13.042 | 638.864 | 638.888 |
| B | 941.505 | -13.042 | 638.914 | 638.947 |
| C | 951.505 | -13.042 | 638.958 | 638.984 |
| D | 961.505 | -13.042 | 638.995 | 639.006 |
| CLP1 | 968.505 | -13.042 | 639.015 | 639.015 |
| E | 978.505 | -13.042 | 639.038 | 639.046 |
| F | 988.505 | -13.042 | 639.052 | 639.076 |
| G | 998.505 | -13.042 | 639.059 | 639.088 |
| H | 1008.505 | -13.042 | 639.057 | 639.077 |
| J | 1018.505 | -13.042 | 639.046 | 639.053 |
| CLP2 | 1024.505 | -13.042 | 639.036 | 639.036 |
| K | 1034.505 | -13.042 | 639.013 | 639.023 |
| L | 1044.505 | -13.042 | 638.982 | 639.011 |
| M | 1054.505 | -13.042 | 638.942 | 638.976 |
| N | 1064.505 | -13.042 | 638.894 | 638.914 |
| CLBRGN | 1071.505 | -13.042 | 638.856 | 638.856 |
| BKNABUT | 1072.795 | -13.042 | 638.848 | 638.848 |

| GIRDER 2 | | | | |
|----------|----------|--------|-----------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevation | Elevations Adjusted for Dead Load Deflection |
| BKSABUT | 922.672 | -3.875 | 638.959 | 638.959 |
| CLBRGS | 923.962 | -3.875 | 638.969 | 638.969 |
| A | 933.962 | -3.875 | 639.019 | 639.043 |
| B | 943.962 | -3.875 | 639.069 | 639.102 |
| C | 953.962 | -3.875 | 639.111 | 639.137 |
| D | 963.962 | -3.875 | 639.146 | 639.157 |
| CLP1 | 970.962 | -3.875 | 639.165 | 639.165 |
| E | 980.962 | -3.875 | 639.186 | 639.193 |
| F | 990.962 | -3.875 | 639.198 | 639.222 |
| G | 1000.962 | -3.875 | 639.202 | 639.231 |
| H | 1010.962 | -3.875 | 639.198 | 639.218 |
| J | 1020.962 | -3.875 | 639.186 | 639.193 |
| CLP2 | 1026.962 | -3.875 | 639.175 | 639.175 |
| K | 1036.962 | -3.875 | 639.149 | 639.159 |
| L | 1046.962 | -3.875 | 639.116 | 639.145 |
| M | 1056.962 | -3.875 | 639.074 | 639.108 |
| N | 1066.962 | -3.875 | 639.024 | 639.044 |
| CLBRGN | 1073.962 | -3.875 | 638.985 | 638.985 |
| BKNABUT | 1075.252 | -3.875 | 638.977 | 638.977 |

MACARTHUR ROAD (FAU 7432) OVER STEVENS CREEK

TOP OF SLAB ELEVATIONS

| | | | |
|-----------|------------------------|---------------------------|-----------------|
| REVISIONS | SECTION 08-00602-00-BR | MACARTHUR ROAD (FAU 7432) | DRAWN BY DATE |
| 1 | STA 10+00.00 | SN 058-6025 | R KING 07/09 |
| 2 | | MACON COUNTY | CHECKED BY DATE |
| 3 | | | JMS 07/09 |
| 4 | | | BOOK NUMBER |
| 5 | | | 486 |
| 6 | | | PROJECT No. |
| 7 | | | 5307 |
| 8 | | | SHEET No. |
| 9 | | | |
| 10 | | | |

HOMER L. CHASTAIN & ASSOCIATES, LLP
CONSULTING ENGINEERS
184-001877

DECATUR CHICAGO
(317) 422-8644 (773) 714-0050
ROCKFORD
(815) 489-0050