

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | |
|---------------------|----------|------------------|--------------------|-----------|
| F.A.R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2843 | 3249B-R | COOK | 64 | 30 |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |
| | | | Sheet 6 of 22 | |
| | | | Contract No. 62539 | |

PENTON
PLTDRYS

FILES
DATES
TIME

| BEAM 6 | | | | |
|------------------|------------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
| BK S. Abut. | 77+66.783 | 10.125 | 643.238 | 643.238 |
| CL Brg. S. Abut. | 77+68.200 | 10.125 | 643.244 | 643.244 |
| A | 77+78.2.00 | 10.125 | 643.286 | 643.311 |
| B | 77+88.2.00 | 10.125 | 643.323 | 643.361 |
| C | 77+98.2.00 | 10.125 | 643.354 | 643.389 |
| D | 78+08.2.00 | 10.125 | 643.381 | 643.397 |
| CL S. Pier | 78+19.616 | 10.125 | 643.405 | 643.405 |
| E | 78+29.616 | 10.125 | 643.421 | 643.429 |
| F | 78+39.616 | 10.125 | 643.431 | 643.455 |
| G | 78+49.616 | 10.125 | 643.436 | 643.467 |
| H | 78+59.616 | 10.125 | 643.436 | 643.460 |
| I | 78+69.616 | 10.125 | 643.432 | 643.440 |
| CL N. Pier | 78+79.616 | 10.125 | 643.421 | 643.421 |
| J | 78+89.616 | 10.125 | 643.406 | 643.420 |
| K | 78+99.616 | 10.125 | 643.386 | 643.418 |
| L | 79+09.616 | 10.125 | 643.361 | 643.400 |
| M | 79+19.616 | 10.125 | 643.330 | 643.358 |
| CL Brg. N. Abut. | 79+31.033 | 10.125 | 643.289 | 643.289 |
| BK N. Abut. | 79+32.450 | 10.125 | 643.283 | 643.283 |

| BEAM 7 | | | | |
|------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
| BK S. Abut. | 77+63.194 | 16.875 | 643.059 | 643.059 |
| CL Brg. S. Abut. | 77+64.611 | 16.875 | 643.066 | 643.066 |
| A | 77+74.611 | 16.875 | 643.110 | 643.135 |
| B | 77+84.611 | 16.875 | 643.148 | 643.187 |
| C | 77+94.611 | 16.875 | 643.182 | 643.216 |
| D | 78+04.611 | 16.875 | 643.210 | 643.226 |
| CL S. Pier | 78+16.027 | 16.875 | 643.236 | 643.236 |
| E | 78+26.027 | 16.875 | 643.254 | 643.262 |
| F | 78+36.027 | 16.875 | 643.266 | 643.290 |
| G | 78+46.027 | 16.875 | 643.273 | 643.304 |
| H | 78+56.027 | 16.875 | 643.275 | 643.299 |
| I | 78+66.027 | 16.875 | 643.272 | 643.281 |
| CL N. Pier | 78+76.027 | 16.875 | 643.264 | 643.264 |
| J | 78+86.027 | 16.875 | 643.250 | 643.264 |
| K | 78+96.027 | 16.875 | 643.232 | 643.264 |
| L | 79+06.027 | 16.875 | 643.208 | 643.247 |
| M | 79+16.027 | 16.875 | 643.180 | 643.208 |
| CL Brg. N. Abut. | 79+27.444 | 16.875 | 643.141 | 643.141 |
| BK N. Abut. | 79+28.861 | 16.875 | 643.135 | 643.135 |

| BEAM 8 | | | | |
|------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
| BK S. Abut. | 77+59.605 | 23.625 | 642.880 | 642.880 |
| CL Brg. S. Abut. | 77+61.022 | 23.625 | 642.887 | 642.887 |
| A | 77+71.022 | 23.625 | 642.932 | 642.958 |
| B | 77+81.022 | 23.625 | 642.973 | 643.012 |
| C | 77+91.022 | 23.625 | 643.008 | 643.042 |
| D | 78+01.022 | 23.625 | 643.038 | 643.055 |
| CL S. Pier | 78+12.438 | 23.625 | 643.067 | 643.067 |
| E | 78+22.438 | 23.625 | 643.086 | 643.095 |
| F | 78+32.438 | 23.625 | 643.100 | 643.124 |
| G | 78+42.438 | 23.625 | 643.109 | 643.140 |
| H | 78+52.438 | 23.625 | 643.113 | 643.137 |
| I | 78+62.438 | 23.625 | 643.112 | 643.121 |
| CL N. Pier | 78+72.438 | 23.625 | 643.105 | 643.105 |
| J | 78+82.438 | 23.625 | 643.094 | 643.107 |
| K | 78+92.438 | 23.625 | 643.077 | 643.109 |
| L | 79+02.438 | 23.625 | 643.055 | 643.095 |
| M | 79+12.438 | 23.625 | 643.029 | 643.057 |
| CL Brg. N. Abut. | 79+23.855 | 23.625 | 642.992 | 642.992 |
| BK N. Abut. | 79+25.272 | 23.625 | 642.987 | 642.987 |

| REVISIONS | |
|-----------|------|
| NAME | DATE |
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TOP OF DECK ELEVATIONS

DIXIE HIGHWAY OVER
BUTTERFIELD CREEK
F.A.U. ROUTE 2843 SECTION 3249B-R
STA. 78+55.00
COOK COUNTY
STRUCTURE NUMBER 016-7946

SCALE: NOT-TO-SCALE
DATE 6-25-09

DRAWN BY BS
DESIGNED BY BS
CHECKED BY PK

