

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|-----------------------|----------------|----------|-------------------|-------|--------------------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET | SHEET NO. 4 18 SHEETS |
| FAP 869 | (101VB) B-1 | FRANKLIN | 48 | 33 | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | | FED. AID PROJECT- | | |

Contract No. 98821

BEAM 1

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|----------|--------|------------------------------|--|
| Bk. West Abut. | 17649.20 | -16.67 | 443.63 | 443.63 |
| CL West Abut. | 17650.55 | -16.67 | 443.65 | 443.65 |
| A | 17660.55 | -16.67 | 443.84 | 443.84 |
| B | 17670.55 | -16.67 | 444.02 | 444.02 |
| C | 17680.55 | -16.67 | 444.20 | 444.19 |
| CL Pier 1 | 17688.70 | -16.67 | 444.34 | 444.34 |
| D | 17698.70 | -16.67 | 444.50 | 444.53 |
| E | 17708.70 | -16.67 | 444.65 | 444.72 |
| F | 17718.70 | -16.67 | 444.80 | 444.89 |
| G | 17728.70 | -16.67 | 444.94 | 445.03 |
| H | 17738.70 | -16.67 | 445.07 | 445.14 |
| I | 17748.70 | -16.67 | 445.19 | 445.23 |
| CL Pier 2 | 17759.70 | -16.67 | 445.32 | 445.32 |
| J | 17769.70 | -16.67 | 445.43 | 445.42 |
| K | 17779.70 | -16.67 | 445.53 | 445.52 |
| L | 17789.70 | -16.67 | 445.62 | 445.62 |
| CL East Abut. | 17797.85 | -16.67 | 445.69 | 445.69 |
| Bk. East Abut. | 17799.20 | -16.67 | 445.71 | 445.71 |

BEAM 2

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|----------|--------|------------------------------|--|
| Bk. West Abut. | 17646.47 | -10.00 | 443.70 | 443.70 |
| CL West Abut. | 17647.82 | -10.00 | 443.73 | 443.73 |
| A | 17657.82 | -10.00 | 443.92 | 443.92 |
| B | 17667.82 | -10.00 | 444.10 | 444.10 |
| C | 17677.82 | -10.00 | 444.28 | 444.27 |
| CL Pier 1 | 17685.97 | -10.00 | 444.42 | 444.42 |
| D | 17695.97 | -10.00 | 444.58 | 444.62 |
| E | 17705.97 | -10.00 | 444.74 | 444.81 |
| F | 17715.97 | -10.00 | 444.89 | 444.98 |
| G | 17725.97 | -10.00 | 445.03 | 445.12 |
| H | 17735.97 | -10.00 | 445.16 | 445.23 |
| I | 17745.97 | -10.00 | 445.29 | 445.33 |
| CL Pier 2 | 17756.97 | -10.00 | 445.42 | 445.42 |
| J | 17766.97 | -10.00 | 445.53 | 445.52 |
| K | 17776.97 | -10.00 | 445.63 | 445.63 |
| L | 17786.97 | -10.00 | 445.73 | 445.73 |
| CL East Abut. | 17795.12 | -10.00 | 445.80 | 445.80 |
| Bk. East Abut. | 17796.47 | -10.00 | 445.81 | 445.81 |

BEAM 3

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|----------|--------|------------------------------|--|
| Bk. West Abut. | 17643.74 | -3.33 | 443.75 | 443.75 |
| CL West Abut. | 17645.09 | -3.33 | 443.78 | 443.78 |
| A | 17655.09 | -3.33 | 443.97 | 443.97 |
| B | 17665.09 | -3.33 | 444.16 | 444.15 |
| C | 17675.09 | -3.33 | 444.34 | 444.33 |
| CL Pier 1 | 17683.24 | -3.33 | 444.48 | 444.48 |
| D | 17693.24 | -3.33 | 444.64 | 444.68 |
| E | 17703.24 | -3.33 | 444.80 | 444.87 |
| F | 17713.24 | -3.33 | 444.95 | 445.04 |
| G | 17723.24 | -3.33 | 445.09 | 445.19 |
| H | 17733.24 | -3.33 | 445.23 | 445.30 |
| I | 17743.24 | -3.33 | 445.36 | 445.40 |
| CL Pier 2 | 17754.24 | -3.33 | 445.49 | 445.49 |
| J | 17764.24 | -3.33 | 445.60 | 445.59 |
| K | 17774.24 | -3.33 | 445.71 | 445.70 |
| L | 17784.24 | -3.33 | 445.81 | 445.80 |
| CL East Abut. | 17792.39 | -3.33 | 445.88 | 445.88 |
| Bk. East Abut. | 17793.74 | -3.33 | 445.89 | 445.89 |

☉ ROADWAY & PROFILE GRADE

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|----------|--------|------------------------------|--|
| Bk. West Abut. | 17642.38 | 0.00 | 443.78 | 443.78 |
| CL West Abut. | 17643.73 | 0.00 | 443.80 | 443.80 |
| A | 17653.73 | 0.00 | 444.00 | 444.00 |
| B | 17663.73 | 0.00 | 444.19 | 444.18 |
| C | 17673.73 | 0.00 | 444.37 | 444.36 |
| CL Pier 1 | 17681.88 | 0.00 | 444.51 | 444.51 |
| D | 17691.88 | 0.00 | 444.67 | 444.71 |
| E | 17701.88 | 0.00 | 444.83 | 444.90 |
| F | 17711.88 | 0.00 | 444.98 | 445.08 |
| G | 17721.88 | 0.00 | 445.13 | 445.22 |
| H | 17731.88 | 0.00 | 445.26 | 445.34 |
| I | 17741.88 | 0.00 | 445.39 | 445.43 |
| CL Pier 2 | 17752.88 | 0.00 | 445.53 | 445.53 |
| J | 17762.88 | 0.00 | 445.64 | 445.63 |
| K | 17772.88 | 0.00 | 445.75 | 445.74 |
| L | 17782.88 | 0.00 | 445.84 | 445.84 |
| CL East Abut. | 17791.03 | 0.00 | 445.92 | 445.92 |
| Bk. East Abut. | 17792.38 | 0.00 | 445.93 | 445.93 |

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| DESIGNED | Dewey H. Coultas |
| CHECKED | Ray Ahanchi |
| DRAWN | h.t. duong |
| CHECKED | DHC/GRA |

Nov. 30, 2007
 EXAMINED *Thomas J. Damagala*
 ENGINEER OF BRIDGE DESIGN
 PASSED *Ralph E. Anderson*
 ENGINEER OF BRIDGES AND STRUCTURES

TOP OF SLAB ELEVATIONS
F.A.P. RTE. 869 - SEC. (101VB)B-1
FRANKLIN COUNTY
STATION 177+17.38
STRUCTURE NO. 028-0077