

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | |
|---------------------|----------|------------------|--------------|-------|-------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET | SHEET NO. 5 |
| FAU 1312 | 0707-B | Cook | 80 | 39 | 32 SHEETS |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | | |

Contract # 60B98

BEAM #2

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|--------------------|-----------|--------|------------------------------|--|
| Back of West Abut. | 101+88.35 | -30.38 | 601.90 | 601.90 |
| CL Brg. W. Abut. | 101+89.68 | -30.38 | 601.92 | 601.92 |
| A | 101+99.68 | -30.38 | 602.05 | 602.07 |
| B | 102+09.68 | -30.38 | 602.16 | 602.21 |
| C | 102+19.68 | -30.38 | 602.26 | 602.32 |
| D | 102+29.68 | -30.38 | 602.34 | 602.40 |
| E | 102+39.68 | -30.38 | 602.42 | 602.46 |
| F | 102+49.68 | -30.38 | 602.48 | 602.49 |
| CL W. Brg. Pier 1 | 102+54.93 | -30.38 | 602.50 | 602.50 |
| CL E. Brg. Pier 1 | 102+56.43 | -30.38 | 602.51 | 602.51 |
| G | 102+66.43 | -30.38 | 602.55 | 602.61 |
| H | 102+76.43 | -30.38 | 602.58 | 602.68 |
| I | 102+86.43 | -30.38 | 602.60 | 602.72 |
| J | 102+96.43 | -30.38 | 602.60 | 602.73 |
| K | 103+06.43 | -30.38 | 602.59 | 602.71 |
| L | 103+16.43 | -30.38 | 602.57 | 602.66 |
| M | 103+26.43 | -30.38 | 602.53 | 602.58 |
| CL W. Brg. Pier 2 | 103+34.93 | -30.38 | 602.50 | 602.50 |
| CL E. Brg. Pier 2 | 103+36.43 | -30.38 | 602.49 | 602.49 |
| N | 103+46.43 | -30.38 | 602.43 | 602.46 |
| O | 103+56.43 | -30.38 | 602.36 | 602.41 |
| P | 103+66.43 | -30.38 | 602.27 | 602.33 |
| Q | 103+76.43 | -30.38 | 602.18 | 602.23 |
| R | 103+86.43 | -30.38 | 602.07 | 602.11 |
| S | 103+96.43 | -30.38 | 601.95 | 601.96 |
| CL Brg. E. Abut. | 104+01.68 | -30.38 | 601.88 | 601.88 |
| Back of East Abut. | 104+03.01 | -30.38 | 601.86 | 601.86 |

BEAM #3

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|--------------------|-----------|--------|------------------------------|--|
| Back of West Abut. | 101+85.89 | -23.62 | 602.01 | 602.01 |
| CL Brg. W. Abut. | 101+87.22 | -23.62 | 602.02 | 602.02 |
| A | 101+97.22 | -23.62 | 602.15 | 602.18 |
| B | 102+07.22 | -23.62 | 602.27 | 602.32 |
| C | 102+17.22 | -23.62 | 602.37 | 602.43 |
| D | 102+27.22 | -23.62 | 602.46 | 602.51 |
| E | 102+37.22 | -23.62 | 602.53 | 602.58 |
| F | 102+47.22 | -23.62 | 602.60 | 602.61 |
| CL W. Brg. Pier 1 | 102+52.47 | -23.62 | 602.63 | 602.63 |
| CL E. Brg. Pier 1 | 102+53.97 | -23.62 | 602.64 | 602.64 |
| G | 102+63.97 | -23.62 | 602.68 | 602.73 |
| H | 102+73.97 | -23.62 | 602.71 | 602.81 |
| I | 102+83.97 | -23.62 | 602.73 | 602.85 |
| J | 102+93.97 | -23.62 | 602.74 | 602.87 |
| K | 103+03.97 | -23.62 | 602.73 | 602.85 |
| L | 103+13.97 | -23.62 | 602.71 | 602.80 |
| M | 103+23.97 | -23.62 | 602.68 | 602.72 |
| CL W. Brg. Pier 2 | 103+32.47 | -23.62 | 602.64 | 602.64 |
| CL E. Brg. Pier 2 | 103+33.97 | -23.62 | 602.64 | 602.64 |
| N | 103+43.97 | -23.62 | 602.58 | 602.61 |
| O | 103+53.97 | -23.62 | 602.51 | 602.56 |
| P | 103+63.97 | -23.62 | 602.43 | 602.49 |
| Q | 103+73.97 | -23.62 | 602.34 | 602.39 |
| R | 103+83.97 | -23.62 | 602.23 | 602.27 |
| S | 103+93.97 | -23.62 | 602.11 | 602.13 |
| CL Brg. E. Abut. | 103+99.22 | -23.62 | 602.05 | 602.05 |
| Back of East Abut. | 104+00.55 | -23.62 | 602.03 | 602.03 |

BEAM #4

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|--------------------|-----------|--------|------------------------------|--|
| Back of West Abut. | 101+83.43 | -16.88 | 602.11 | 602.11 |
| CL Brg. W. Abut. | 101+84.76 | -16.88 | 602.13 | 602.13 |
| A | 101+94.76 | -16.88 | 602.26 | 602.28 |
| B | 102+04.76 | -16.88 | 602.37 | 602.42 |
| C | 102+14.76 | -16.88 | 602.48 | 602.54 |
| D | 102+24.76 | -16.88 | 602.57 | 602.63 |
| E | 102+34.76 | -16.88 | 602.65 | 602.69 |
| F | 102+44.76 | -16.88 | 602.72 | 602.73 |
| CL W. Brg. Pier 1 | 102+50.01 | -16.88 | 602.75 | 602.75 |
| CL E. Brg. Pier 1 | 102+51.51 | -16.88 | 602.76 | 602.76 |
| G | 102+61.51 | -16.88 | 602.80 | 602.86 |
| H | 102+71.51 | -16.88 | 602.84 | 602.93 |
| I | 102+81.51 | -16.88 | 602.86 | 602.98 |
| J | 102+91.51 | -16.88 | 602.87 | 603.00 |
| K | 103+01.51 | -16.88 | 602.87 | 602.99 |
| L | 103+11.51 | -16.88 | 602.85 | 602.94 |
| M | 103+21.51 | -16.88 | 602.82 | 602.87 |
| CL W. Brg. Pier 2 | 103+30.01 | -16.88 | 602.79 | 602.79 |
| CL E. Brg. Pier 2 | 103+31.51 | -16.88 | 602.78 | 602.78 |
| N | 103+41.51 | -16.88 | 602.73 | 602.76 |
| O | 103+51.51 | -16.88 | 602.66 | 602.71 |
| P | 103+61.51 | -16.88 | 602.59 | 602.65 |
| Q | 103+71.51 | -16.88 | 602.50 | 602.55 |
| R | 103+81.51 | -16.88 | 602.39 | 602.43 |
| S | 103+91.51 | -16.88 | 602.28 | 602.29 |
| CL Brg. E. Abut. | 103+96.76 | -16.88 | 602.21 | 602.21 |
| Back of East Abut. | 103+98.09 | -16.88 | 602.19 | 602.19 |

| | |
|----------|-----|
| DESIGNED | SRT |
| CHECKED | JJI |
| DRAWN | JSS |
| CHECKED | JJI |

 **Bollinger, Lach & Associates, Inc.**

PI-E 11-1-06

TOP OF SLAB ELEVATIONS

EMERSON STREET OVER
NORTH SHORE CHANNEL
(PUBLIC BODY OF WATER)
F.A.U. ROUTE 1312 SECTION 0707-B
COOK COUNTY STA. 102+84.62
STRUCTURE NUMBER 016-2858