

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| BEAM 1 | | | | |
|--------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+62.36 | 40.33 | 700.28 | 700.28 |
| CL Brg at W. Abut. | 99+65.20 | 40.33 | 700.30 | 700.30 |
| A | 99+75.20 | 40.33 | 700.37 | 700.41 |
| B | 99+85.20 | 40.33 | 700.43 | 700.50 |
| C | 99+95.20 | 40.33 | 700.48 | 700.55 |
| D | 100+05.20 | 40.33 | 700.51 | 700.57 |
| E | 100+15.20 | 40.33 | 700.52 | 700.55 |
| CL Brg at E. Abut. | 100+22.03 | 40.33 | 700.52 | 700.52 |
| Bk. of E. Abut. | 100+24.86 | 40.33 | 700.52 | 700.52 |

| BEAM 2 | | | | |
|--------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+63.52 | 33.00 | 700.43 | 700.43 |
| CL Brg at W. Abut. | 99+66.36 | 33.00 | 700.46 | 700.46 |
| A | 99+76.36 | 33.00 | 700.53 | 700.57 |
| B | 99+86.36 | 33.00 | 700.59 | 700.65 |
| C | 99+96.36 | 33.00 | 700.63 | 700.71 |
| D | 100+06.36 | 33.00 | 700.66 | 700.72 |
| E | 100+16.36 | 33.00 | 700.67 | 700.70 |
| CL Brg at E. Abut. | 100+23.19 | 33.00 | 700.67 | 700.67 |
| Bk. of E. Abut. | 100+26.02 | 33.00 | 700.67 | 700.67 |

| BEAM 3 | | | | |
|--------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+64.68 | 25.67 | 700.59 | 700.59 |
| CL Brg at W. Abut. | 99+67.52 | 25.67 | 700.61 | 700.61 |
| A | 99+77.52 | 25.67 | 700.68 | 700.72 |
| B | 99+87.52 | 25.67 | 700.74 | 700.81 |
| C | 99+97.52 | 25.67 | 700.78 | 700.86 |
| D | 100+07.52 | 25.67 | 700.80 | 700.87 |
| E | 100+17.52 | 25.67 | 700.82 | 700.85 |
| CL Brg at E. Abut. | 100+24.35 | 25.67 | 700.81 | 700.81 |
| Bk. of E. Abut. | 100+27.18 | 25.67 | 700.81 | 700.81 |

| BEAM 4 | | | | |
|--------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+65.85 | 18.33 | 700.75 | 700.75 |
| CL Brg at W. Abut. | 99+68.68 | 18.33 | 700.77 | 700.77 |
| A | 99+78.68 | 18.33 | 700.84 | 700.88 |
| B | 99+88.68 | 18.33 | 700.89 | 700.96 |
| C | 99+98.68 | 18.33 | 700.93 | 701.01 |
| D | 100+08.68 | 18.33 | 700.95 | 701.02 |
| E | 100+18.68 | 18.33 | 700.96 | 700.99 |
| CL Brg at E. Abut. | 100+25.51 | 18.33 | 700.96 | 700.96 |
| Bk. of E. Abut. | 100+28.35 | 18.33 | 700.96 | 700.96 |

| BEAM 5 | | | | |
|--------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+67.01 | 11.00 | 700.90 | 700.90 |
| CL Brg at W. Abut. | 99+69.84 | 11.00 | 700.92 | 700.92 |
| A | 99+79.84 | 11.00 | 700.99 | 701.03 |
| B | 99+89.84 | 11.00 | 701.04 | 701.11 |
| C | 99+99.84 | 11.00 | 701.08 | 701.16 |
| D | 100+09.84 | 11.00 | 701.10 | 701.17 |
| E | 100+19.84 | 11.00 | 701.11 | 701.14 |
| CL Brg at E. Abut. | 100+26.67 | 11.00 | 701.11 | 701.11 |
| Bk. of E. Abut. | 100+29.51 | 11.00 | 701.10 | 701.10 |

| BEAM 6 | | | | |
|--------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+68.17 | 3.67 | 701.06 | 701.06 |
| CL Brg at W. Abut. | 99+71.00 | 3.67 | 701.08 | 701.08 |
| A | 99+81.00 | 3.67 | 701.14 | 701.19 |
| B | 99+91.00 | 3.67 | 701.19 | 701.26 |
| C | 100+01.00 | 3.67 | 701.23 | 701.31 |
| D | 100+11.00 | 3.67 | 701.25 | 701.31 |
| E | 100+21.00 | 3.67 | 701.26 | 701.29 |
| CL Brg at E. Abut. | 100+27.84 | 3.67 | 701.25 | 701.25 |
| Bk. of E. Abut. | 100+30.67 | 3.67 | 701.25 | 701.25 |

| CL Roadway & PGL | | | | |
|--------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+68.75 | 0.00 | 701.13 | 701.13 |
| CL Brg at W. Abut. | 99+71.58 | 0.00 | 701.16 | 701.16 |
| A | 99+81.58 | 0.00 | 701.22 | 701.26 |
| B | 99+91.58 | 0.00 | 701.27 | 701.34 |
| C | 100+01.58 | 0.00 | 701.30 | 701.38 |
| D | 100+11.58 | 0.00 | 701.32 | 701.39 |
| E | 100+21.58 | 0.00 | 701.33 | 701.36 |
| CL Brg at E. Abut. | 100+28.42 | 0.00 | 701.32 | 701.32 |
| Bk. of E. Abut. | 100+31.25 | 0.00 | 701.32 | 701.32 |

| Stage Construction Line | | | | |
|-------------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+69.04 | 1.83 | 701.10 | 701.10 |
| CL Brg at W. Abut. | 99+71.87 | 1.83 | 701.12 | 701.12 |
| A | 99+81.87 | 1.83 | 701.19 | 701.23 |
| B | 99+91.87 | 1.83 | 701.23 | 701.30 |
| C | 100+01.87 | 1.83 | 701.27 | 701.35 |
| D | 100+11.87 | 1.83 | 701.29 | 701.35 |
| E | 100+21.87 | 1.83 | 701.29 | 701.32 |
| CL Brg at E. Abut. | 100+28.71 | 1.83 | 701.29 | 701.29 |
| Bk. of E. Abut. | 100+31.54 | 1.83 | 701.29 | 701.29 |

| BEAM 7 | | | | |
|--------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+69.33 | 3.67 | 701.07 | 701.07 |
| CL Brg at W. Abut. | 99+72.16 | 3.67 | 701.09 | 701.09 |
| A | 99+82.16 | 3.67 | 701.15 | 701.19 |
| B | 99+92.16 | 3.67 | 701.20 | 701.27 |
| C | 100+02.16 | 3.67 | 701.23 | 701.31 |
| D | 100+12.16 | 3.67 | 701.25 | 701.32 |
| E | 100+22.16 | 3.67 | 701.26 | 701.29 |
| CL Brg at E. Abut. | 100+29.00 | 3.67 | 701.25 | 701.25 |
| Bk. of E. Abut. | 100+31.83 | 3.67 | 701.25 | 701.25 |

| BEAM 8 | | | | |
|--------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+70.49 | 11.00 | 700.93 | 700.93 |
| CL Brg at W. Abut. | 99+73.33 | 11.00 | 700.95 | 700.95 |
| A | 99+83.33 | 11.00 | 701.01 | 701.05 |
| B | 99+93.33 | 11.00 | 701.06 | 701.13 |
| C | 100+03.33 | 11.00 | 701.09 | 701.17 |
| D | 100+13.33 | 11.00 | 701.11 | 701.17 |
| E | 100+23.33 | 11.00 | 701.11 | 701.14 |
| CL Brg at E. Abut. | 100+30.16 | 11.00 | 701.10 | 701.10 |
| Bk. of E. Abut. | 100+32.99 | 11.00 | 701.10 | 701.10 |

| BEAM 9 | | | | |
|--------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+71.65 | 18.33 | 700.79 | 700.79 |
| CL Brg at W. Abut. | 99+74.49 | 18.33 | 700.81 | 700.81 |
| A | 99+84.49 | 18.33 | 700.87 | 700.91 |
| B | 99+94.49 | 18.33 | 700.91 | 700.98 |
| C | 100+04.49 | 18.33 | 700.95 | 701.02 |
| D | 100+14.49 | 18.33 | 700.96 | 701.02 |
| E | 100+24.49 | 18.33 | 700.96 | 700.99 |
| CL Brg at E. Abut. | 100+31.32 | 18.33 | 700.95 | 700.95 |
| Bk. of E. Abut. | 100+34.15 | 18.33 | 700.95 | 700.95 |

| BEAM 10 | | | | |
|--------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+72.82 | 25.67 | 700.65 | 700.65 |
| CL Brg at W. Abut. | 99+75.65 | 25.67 | 700.67 | 700.67 |
| A | 99+85.65 | 25.67 | 700.73 | 700.77 |
| B | 99+95.65 | 25.67 | 700.77 | 700.84 |
| C | 100+05.65 | 25.67 | 700.80 | 700.88 |
| D | 100+15.65 | 25.67 | 700.81 | 700.88 |
| E | 100+25.65 | 25.67 | 700.81 | 700.84 |
| CL Brg at E. Abut. | 100+32.48 | 25.67 | 700.80 | 700.80 |
| Bk. of E. Abut. | 100+35.32 | 25.67 | 700.80 | 700.80 |

| BEAM 11 | | | | |
|--------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+73.98 | 33.00 | 700.51 | 700.51 |
| CL Brg at W. Abut. | 99+76.81 | 33.00 | 700.53 | 700.53 |
| A | 99+86.81 | 33.00 | 700.59 | 700.63 |
| B | 99+96.81 | 33.00 | 700.63 | 700.70 |
| C | 100+06.81 | 33.00 | 700.66 | 700.73 |
| D | 100+16.81 | 33.00 | 700.67 | 700.73 |
| E | 100+26.81 | 33.00 | 700.67 | 700.70 |
| CL Brg at E. Abut. | 100+33.64 | 33.00 | 700.66 | 700.66 |
| Bk. of E. Abut. | 100+36.48 | 33.00 | 700.65 | 700.65 |

| BEAM 12 | | | | |
|--------------------|-----------|--------|------------------------------|--|
| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted for Dead Load Deflection |
| Bk. of W. Abut. | 99+75.14 | 40.33 | 700.37 | 700.37 |
| CL Brg at W. Abut. | 99+77.97 | 40.33 | 700.39 | 700.39 |
| A | 99+87.97 | 40.33 | 700.45 | 700.49 |
| B | 99+97.97 | 40.33 | 700.49 | 700.55 |
| C | 100+07.97 | 40.33 | 700.51 | 700.59 |
| D | 100+17.97 | 40.33 | 700.52 | 700.58 |
| E | 100+27.97 | 40.33 | 700.52 | 700.55 |
| CL Brg at E. Abut. | 100+34.80 | 40.33 | 700.51 | 700.51 |
| Bk. of E. Abut. | 100+37.64 | 40.33 | 700.50 | 700.50 |

(Sheet 2 of 2)
TOP OF DECK ELEVATIONS
STRUCTURE NO. 016-0581

DESIGNED MAH
CHECKED JMH
DRAWN DR
CHECKED JMH

COLLINS ENGINEERS
123 N. WACKER DR., SUITE 300 CHICAGO, IL 60606 (312) 704-9300
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-000993

SHEET NO. S5
OF
S27 SHEETS

| | | | | |
|--------------------|-------------------------|----------------|--------------------|---------------------------|
| F.A.P. RTE. 339 | SECTION 116-Y-2-BR-1 | COUNTY COOK | TOTAL SHEETS 74 | SHEET NO. 27 |
| CONTRACT NO. 60J00 | | | | ILLINOIS FED. AID PROJECT |