

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEAM 1

| Locations       | Stations   | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|------------|--------|------------------------------|--|
| Bk. W. Abutment | 140+65.748 | -13.42 | 752.47                       | 752.47                                 |
| CL Brg W. Abut. | 140+66.869 | -13.42 | 752.44                       | 752.44                                 |
| A               | 140+76.869 | -13.42 | 752.14                       | 752.16                                 |
| B               | 140+86.869 | -13.42 | 751.84                       | 751.86                                 |
| CL Brg E. Abut. | 140+96.869 | -13.42 | 751.55                       | 751.55                                 |
| Bk. E. Abutment | 140+97.990 | -13.42 | 751.51                       | 751.51                                 |

BEAM 2

| Locations       | Stations   | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|------------|--------|------------------------------|--|
| Bk. W. Abutment | 140+67.173 | -8.05  | 752.51                       | 752.51                                 |
| CL Brg W. Abut. | 140+68.294 | -8.05  | 752.48                       | 752.48                                 |
| A               | 140+78.294 | -8.05  | 752.18                       | 752.20                                 |
| B               | 140+88.294 | -8.05  | 751.88                       | 751.90                                 |
| CL Brg E. Abut. | 140+98.294 | -8.05  | 751.59                       | 751.59                                 |
| Bk. E. Abutment | 140+99.415 | -8.05  | 751.56                       | 751.56                                 |

BEAM 3

| Locations       | Stations   | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|------------|--------|------------------------------|--|
| Bk. W. Abutment | 140+68.598 | -2.68  | 752.55                       | 752.55                                 |
| CL Brg W. Abut. | 140+69.719 | -2.68  | 752.52                       | 752.52                                 |
| A               | 140+79.719 | -2.68  | 752.22                       | 752.24                                 |
| B               | 140+89.719 | -2.68  | 751.93                       | 751.94                                 |
| CL Brg E. Abut. | 140+99.719 | -2.68  | 751.63                       | 751.63                                 |
| Bk. E. Abutment | 141+00.839 | -2.68  | 751.60                       | 751.60                                 |

PGL

| Locations       | Stations   | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|------------|--------|------------------------------|--|
| Bk. W. Abutment | 140+69.310 | 0.000  | 752.57                       | 752.57                                 |
| CL Brg W. Abut. | 140+70.431 | 0.000  | 752.54                       | 752.54                                 |
| A               | 140+80.431 | 0.000  | 752.24                       | 752.26                                 |
| B               | 140+90.431 | 0.000  | 751.95                       | 751.97                                 |
| CL Brg E. Abut. | 141+00.431 | 0.000  | 751.65                       | 751.65                                 |
| Bk. E. Abutment | 141+01.552 | 0.000  | 751.62                       | 751.62                                 |

BEAM 4

| Locations       | Stations   | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|------------|--------|------------------------------|--|
| Bk. W. Abutment | 140+70.022 | 2.68   | 752.51                       | 752.51                                 |
| CL Brg W. Abut. | 140+71.143 | 2.68   | 752.48                       | 752.48                                 |
| A               | 140+81.143 | 2.68   | 752.18                       | 752.20                                 |
| B               | 140+91.143 | 2.68   | 751.88                       | 751.90                                 |
| CL Brg E. Abut. | 141+01.143 | 2.68   | 751.59                       | 751.59                                 |
| Bk. E. Abutment | 141+02.264 | 2.68   | 751.56                       | 751.56                                 |

BEAM 5

| Locations       | Stations   | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|------------|--------|------------------------------|--|
| Bk. W. Abutment | 140+71.447 | 8.05   | 752.38                       | 752.38                                 |
| CL Brg W. Abut. | 140+72.568 | 8.05   | 752.35                       | 752.35                                 |
| A               | 140+82.568 | 8.05   | 752.05                       | 752.07                                 |
| B               | 140+92.568 | 8.05   | 751.76                       | 751.78                                 |
| CL Brg E. Abut. | 141+02.568 | 8.05   | 751.46                       | 751.46                                 |
| Bk. E. Abutment | 141+03.689 | 8.05   | 751.43                       | 751.43                                 |

BEAM 6

| Locations       | Stations   | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|------------|--------|------------------------------|--|
| Bk. W. Abutment | 140+72.872 | 13.42  | 752.26                       | 752.26                                 |
| CL Brg W. Abut. | 140+73.992 | 13.42  | 752.22                       | 752.22                                 |
| A               | 140+83.992 | 13.42  | 751.93                       | 751.95                                 |
| B               | 140+93.992 | 13.42  | 751.63                       | 751.65                                 |
| CL Brg E. Abut. | 141+03.992 | 13.42  | 751.34                       | 751.34                                 |
| Bk. E. Abutment | 141+05.113 | 13.42  | 751.30                       | 751.30                                 |

|            |   |
|------------|---|
| DESIGNED - | _____                                     |
| CHECKED -  | EXAMINED _____                            |
| DRAWN -    | PASSED _____<br>ENGINEER OF BRIDGE DESIGN |
| CHECKED -  | _____                                     |

TOP OF DECK ELEVATIONS  
EDGEWOOD DRIVE OVER  
RATT CREEK  
F.A.U. RTE. 4010  
SECTION 09-00078-00-WR  
MCHENRY COUNTY  
STRUCTURE No. 056-3101  
STA. 140+85.43

|   |           |                |         |              |           |
|---|-----------|----------------|---------|--------------|-----------|
| SHEET NO.<br>S-4<br>SHEETS                    | F.A. RTE. | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
|   | 4010      | 09-00078-00-WR | MCHENRY | 128          | 62        |
| CONTRACT NO. 63655                            |           |                |         |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |           |                |         |              |           |