

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEAM 1

| Locations       | Stations | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|----------|--------|------------------------------|----------------------------------------|
| Bk. W. Abutment | 30+49.83 | -19.50 | 647.129                      | 647.129                                |
| CL Brg W. Abut. | 30+51.42 | -19.50 | 647.117                      | 647.117                                |
| A               | 30+61.42 | -19.50 | 647.042                      | 647.072                                |
| B               | 30+71.42 | -19.50 | 646.967                      | 647.001                                |
| CL Brg E. Abut. | 30+82.67 | -19.50 | 646.882                      | 646.882                                |
| Bk. E. Abutment | 30+84.25 | -19.50 | 646.870                      | 646.870                                |

BEAM 2

| Locations       | Stations | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|----------|--------|------------------------------|----------------------------------------|
| Bk. W. Abutment | 30+49.83 | -12.58 | 647.100                      | 646.100                                |
| CL Brg W. Abut. | 30+51.42 | -12.58 | 647.088                      | 647.088                                |
| A               | 30+61.42 | -12.58 | 647.013                      | 647.043                                |
| B               | 30+71.42 | -12.58 | 646.938                      | 646.972                                |
| CL Brg E. Abut. | 30+82.67 | -12.58 | 646.854                      | 646.854                                |
| Bk. E. Abutment | 30+84.25 | -12.58 | 646.842                      | 646.842                                |

BEAM 3

| Locations       | Stations | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|----------|--------|------------------------------|----------------------------------------|
| Bk. W. Abutment | 30+49.83 | -5.67  | 647.238                      | 647.238                                |
| CL Brg W. Abut. | 30+51.42 | -5.67  | 647.226                      | 647.226                                |
| A               | 30+61.42 | -5.67  | 647.151                      | 647.182                                |
| B               | 30+71.42 | -5.67  | 647.076                      | 647.110                                |
| CL Brg E. Abut. | 30+82.67 | -5.67  | 646.992                      | 646.992                                |
| Bk. E. Abutment | 30+84.25 | -5.67  | 646.980                      | 646.980                                |

PGL

| Locations       | Stations | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|----------|--------|------------------------------|----------------------------------------|
| Bk. W. Abutment | 30+49.83 | 0.00   | 647.351                      | 647.351                                |
| CL Brg W. Abut. | 30+51.42 | 0.00   | 647.340                      | 647.340                                |
| A               | 30+61.42 | 0.00   | 647.265                      | 647.295                                |
| B               | 30+71.42 | 0.00   | 647.190                      | 647.224                                |
| CL Brg E. Abut. | 30+82.67 | 0.00   | 647.105                      | 647.105                                |
| Bk. E. Abutment | 30+84.25 | 0.00   | 647.093                      | 647.093                                |

BEAM 4

| Locations       | Stations | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|----------|--------|------------------------------|----------------------------------------|
| Bk. W. Abutment | 30+49.83 | 1.25   | 647.326                      | 647.326                                |
| CL Brg W. Abut. | 30+51.42 | 1.25   | 647.315                      | 647.315                                |
| A               | 30+61.42 | 1.25   | 647.240                      | 647.270                                |
| B               | 30+71.42 | 1.25   | 647.165                      | 647.199                                |
| CL Brg E. Abut. | 30+82.67 | 1.25   | 647.080                      | 647.080                                |
| Bk. E. Abutment | 30+84.25 | 1.25   | 647.068                      | 647.068                                |

BEAM 5

| Locations       | Stations | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|----------|--------|------------------------------|----------------------------------------|
| Bk. W. Abutment | 30+49.83 | 8.17   | 647.188                      | 647.188                                |
| CL Brg W. Abut. | 30+51.42 | 8.17   | 647.176                      | 647.176                                |
| A               | 30+61.42 | 8.17   | 647.101                      | 647.132                                |
| B               | 30+71.42 | 8.17   | 647.026                      | 647.060                                |
| CL Brg E. Abut. | 30+82.67 | 8.17   | 646.942                      | 646.942                                |
| Bk. E. Abutment | 30+84.25 | 8.17   | 646.930                      | 646.930                                |

BEAM 6

| Locations       | Stations | Offset | Theoretical Grade Elevations | Elevations Adjusted For DL Deflections |
|-----------------|----------|--------|------------------------------|----------------------------------------|
| Bk. W. Abutment | 30+49.83 | 15.08  | 647.050                      | 647.050                                |
| CL Brg W. Abut. | 30+51.42 | 15.08  | 647.038                      | 647.038                                |
| A               | 30+61.42 | 15.08  | 646.963                      | 646.993                                |
| B               | 30+71.42 | 15.08  | 646.888                      | 646.922                                |
| CL Brg E. Abut. | 30+82.67 | 15.08  | 646.804                      | 646.804                                |
| Bk. E. Abutment | 30+84.25 | 15.08  | 646.792                      | 646.792                                |

|            |                                    |
|------------|------------------------------------|
| DESIGNED - | 200                                |
| CHECKED -  | EXAMINED                           |
| DRAWN -    | PASSED                             |
| CHECKED -  | ENGINEER OF BRIDGES AND STRUCTURES |

(Sheet 2 of 2)  
TOP OF DECK ELEVATIONS  
WHITEHALL AVENUE OVER  
ADDISON CREEK  
F.A. RTE. 4025  
SECTION 09-00071-00-BR  
COOK COUNTY  
STATION 30+67.04  
STRUCTURE No. 016-7618

|                                               |              |                |        |                 |              |
|-----------------------------------------------|--------------|----------------|--------|-----------------|--------------|
| SHEET NO.<br>S-4<br>SHEETS                    | F.A.<br>RTE. | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|                                               | 4025         | 09-00071-00-BR | COOK   | 31              | 16           |
| CONTRACT NO. 63437                            |              |                |        |                 |              |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |              |                |        |                 |              |