

|                     |                           |         |              |           |
|---------------------|---------------------------|---------|--------------|-----------|
| F.A.P. RTE.         | SECTION                   | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 55                  | 100 (I&2) I-9             | WILL    | 305          | 151       |
| STA.                |                           | TO STA. |              |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |         |              |           |
| DETLS - 17 OF 30    |                           |         |              |           |

| GROUND MOUNTED SIGN PANEL LAYOUT          |           |        |        |               |                        |                    |             |                 |                      |                   |                   |              |                   |
|---|-----------|--------|--------|---------------|------------------------|--------------------|-------------|-----------------|----------------------|-------------------|-------------------|--------------|-------------------|
| SIGN PANEL                                |           |        |        |               |                        | SIGN POST          |             |                 |                      |                   |                   | FOUNDATION   |                   |
| SIGN DESIGNATION                          | STATION   | W (IN) | H (IN) | AREA (SQ. FT) | SIGN PANEL TYPE (EACH) | MILE MARKER (EACH) | POST TYPE   | NUMBER OF POSTS | IN GROUND DEPTH (FT) | CLEAR HEIGHT (FT) | TOTAL LENGTH (FT) | WEIGHT (LBS) | CONC. FND (CU YD) |
| W4-1R                                     | 795+61 NB | 48     | 48     | 16.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 16                |              |                   |
| M1-1                                      | 811+04 NB | 36     | 36     | 9.00          | 1                      |                    | WOOD        | 1               | 5                    | 5                 | 13                |              |                   |
| M3-1                                      | 811+04 NB | 30     | 15     | 3.13          |                        |                    |             |                 |                      |                   |                   |              |                   |
| R2-4a                                     | 817+69 NB | 48     | 96     | 32.00         | 3                      |                    | WOOD        | 1               | 5                    | 5                 | 18                |              |                   |
| GUIDE SIGN                                | 822+11 SB | 162    | 150    | 168.75        | 3                      |                    | W10X22      | 2               | 6.5                  | 7                 | 26                | 1144.0       | 2.36              |
| SL TRUCKS                                 | 823+31 NB | 48     | 96     | 32.00         | 3                      |                    | WOOD        | 1               | 5                    | 7                 | 20                |              |                   |
| D10-3                                     | 827+51 NB | 12     | 48     | 4.00          |                        | 1                  | TELESCOPING | 1               | 5                    | 7                 | 16                |              |                   |
| D10-3                                     | 827+52 SB | 12     | 48     | 4.00          |                        | 1                  | TELESCOPING | 1               | 5                    | 7                 | 16                |              |                   |
| GUIDE SIGN                                | 837+68 NB | 132    | 54     | 49.50         | 3                      |                    | WOOD        | 3               | 5                    | 7                 | 16.5              |              |                   |
| ACCIDENT SIGN                             | 841+33 NB | 60     | 48     | 20.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 16                |              |                   |
| GUIDE SIGN                                | 842+67 SB | 162    | 150    | 168.75        | 3                      |                    | W10X22      | 2               | 6.5                  | 7                 | 26                | 1144.0       | 2.36              |
| GUIDE SIGN                                | 843+63 NB | 150    | 108    | 112.50        | 3                      |                    | W6X15       | 2               | 6                    | 7                 | 22                | 660.0        | 1.4               |
| GUIDE SIGN                                | 850+77 NB | 180    | 126    | 157.50        | 3                      |                    | W8X18       | 2               | 6                    | 7                 | 23.5              | 846.0        | 1.4               |
| GUIDE SIGN                                | 857+76 NB | 156    | 126    | 136.50        | 3                      |                    | W8X18       | 2               | 6                    | 7                 | 23.5              | 846.0        | 1.4               |
| GUIDE SIGN                                | 864+64 NB | 150    | 102    | 106.25        | 3                      |                    | W6X15       | 2               | 6                    | 7                 | 21.5              | 645.0        | 1.4               |
| SL TRUCKS                                 | 864+65 SB | 48     | 96     | 32.00         | 3                      |                    | WOOD        | 1               | 5                    | 7                 | 20                |              |                   |
| ACCIDENT SIGN                             | 866+59 NB | 60     | 48     | 20.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 16                |              |                   |
| R2-4a                                     | 869+01 SB | 48     | 96     | 32.00         | 3                      |                    | WOOD        | 1               | 5                    | 7                 | 20                |              |                   |
| GUIDE SIGN                                | 872+50 NB | 168    | 174    | 203.0         | 3                      |                    | W10X22      | 2               | 6.5                  | 7                 | 28                | 1232         | 2.36              |
| M1-1                                      | 874+88 SB | 36     | 36     | 9.00          | 1                      |                    | WOOD        | 1               | 5                    | 7                 | 15                |              |                   |
| M3-3                                      | 874+88 SB | 30     | 15     | 3.125         |                        |                    |             |                 |                      |                   |                   |              |                   |
| ALCOHOL LIMIT SIGN                        | 877+42 SB | 48     | 60     | 20.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 17                |              |                   |
| GUIDE SIGN                                | 878+42 NB | 150    | 90     | 93.75         | 3                      |                    | W6X15       | 2               | 5                    | 7                 | 12.5              | 375          | 1.4               |
| D10-3                                     | 880+33 NB | 12     | 48     | 4.00          |                        | 1                  | TELESCOPING | 1               | 5                    | 7                 | 16                |              |                   |
| D10-3                                     | 880+34 SB | 12     | 48     | 4.00          |                        | 1                  | TELESCOPING | 1               | 5                    | 7                 | 16                |              |                   |
| W13-3                                     | 885+00 NB | 48     | 60     | 20.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 17                |              |                   |
| ACCIDENT SIGN                             | 885+46 NB | 60     | 48     | 20.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 16                |              |                   |
| GUIDE SIGN                                | 887+40 SB | 66     | 36     | 16.50         | 2                      |                    | WOOD        | 2               | 5                    | 5                 | 13                |              |                   |
| E5-1a                                     | 892+17 NB | 90     | 60     | 37.50         | 3                      |                    | WOOD        | 2               | 5                    | 7                 | 17                |              |                   |
| ACCIDENT SIGN                             | 3898+00 R | 60     | 48     | 20.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 16                |              |                   |
| W4-1R                                     | 896+30 SB | 48     | 48     | 16.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 16                |              |                   |
| GUIDE SIGN                                | 907+34 SB | 132    | 54     | 49.50         | 3                      |                    | WOOD        | 2               | 5                    | 7                 | 16.5              |              |                   |
| W4-1R                                     | 914+87 NB | 36     | 48     | 12.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 16                |              |                   |
| ACCIDENT SIGN                             | 1906+13 R | 60     | 48     | 20.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 16                |              |                   |
| E5-1a                                     | 917+93 SB | 90     | 60     | 37.50         | 3                      |                    | WOOD        | 2               | 5                    | 7                 | 17                |              |                   |
| W13-3                                     |           | 48     | 60     | 20.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 17                |              |                   |
| ACCIDENT SIGN                             | 924+88    | 48     | 60     | 20.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 17                |              |                   |
| GUIDE SIGN                                | 925+63 NB | 66     | 36     | 16.50         | 2                      |                    | WOOD        | 2               | 5                    | 5                 | 13                |              |                   |
| ACCIDENT SIGN                             | 951+28 SB | 60     | 48     | 20.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 16                |              |                   |
| ACCIDENT SIGN                             | 977+68 SB | 60     | 48     | 20.00         | 2                      |                    | WOOD        | 1               | 5                    | 7                 | 16                |              |                   |
| TOTAL                                     |           |        |        |               |                        |                    |             |                 |                      |                   |                   |              |                   |
| MILE POST MARKER ASSEMBLY                 |           |        |        |               |                        | 4                  |             |                 |                      |                   |                   |              |                   |
| SIGN PANEL TYPE 1                         |           |        |        | 24.3          |                        |                    |             |                 |                      |                   |                   |              |                   |
| SIGN PANEL TYPE 2                         |           |        |        | 297.0         |                        |                    |             |                 |                      |                   |                   |              |                   |
| SIGN PANEL TYPE 3                         |           |        |        | 1449.0        |                        |                    |             |                 |                      |                   |                   |              |                   |
| STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY |           |        |        |               |                        |                    |             |                 |                      |                   |                   | 6892.00      |                   |
| TELESCOPING STEEL SIGN SUPPORT            |           |        |        |               |                        |                    |             |                 |                      |                   | 64.0              |              |                   |
| WOOD SIGN SUPPORT                         |           |        |        |               |                        |                    |             |                 |                      |                   | 443.0             |              |                   |
| CONCRETE FOUNDATIONS                      |           |        |        |               |                        |                    |             |                 |                      |                   |                   |              | 14.08             |

| CANTILEVER SIGN PANEL LAYOUT |         |                   |                        |                           |              |
|------------------------------|---------|-------------------|------------------------|---------------------------|--------------|
| SIGN NUMBER                  | STATION | DESIGN TRUSS TYPE | CANTILEVER LENGTH (FT) | TOTAL SIGN AREA (SQ. FT.) | WALKWAY (FT) |
| 1C0991055R263.2              | 885+00  |                   |                        | 117.00                    |              |
| 1C0991055L263.8              | 923+00  | II-C-A            | 33                     | 171.00                    | 21           |
| W13-3                        | 923+00  |                   |                        | 20.00                     |              |
| 1C0991055L264.3              | 945+75  |                   |                        | 106.25                    |              |
| 1C0991055L264.7              | 967+90  |                   |                        | 112.50                    |              |
| TOTAL                        |         |                   |                        |                           |              |
| SIGN PANEL TYPE 2            |         |                   |                        | 20.00                     |              |
| SIGN PANEL TYPE 3            |         |                   |                        | 506.75                    |              |

NOTE:

IT HAS BEEN ESTIMATED THAT 50% OF THE EXISTING TYPE 3 SIGN PANEL POSTS WILL REMAIN IN PLACE AND BE RE-USED TO SUPPORT NEW PROPOSED SIGN PANELS. TYPE 3 SIGN PANEL POSTS THAT ARE IN GOOD CONDITION AND WILL SUPPORT THE PROPOSED SIGN PANELS IN A MANNER THAT MEETS THE APPROPRIATE STANDARDS AND SPECIFICATIONS SHALL BE RE-USED AS DETERMINED BY THE ENGINEER. IF REQUIRED, MODIFICATION OF THE SIGN POST SYSTEMS TO ACCOMMODATE THE PROPOSED SIGNS WILL BE INCLUDED IN THE COST OF THE RESPECTIVE SIGN PANEL.

**DAVID MASON & ASSOCIATES**  
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Structural Engineering  
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Chicago, IL 60611  
(312) 942-9900

**PARSONS BRINCKERHOFF**

| REVISIONS |      |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. I-55  
143rd STREET TO WEBER RD.  
GROUND MOUNTED SIGN AND  
CANTILEVER SIGN PANEL LAYOUT  
SCALE: DRAWN BY: JS, LC  
DATE: FEBRUARY 23, 2007 CHECKED BY: SE

FINAL