

TRAFFIC SIGNAL SUMMARY OF QUANTITIES

| F.A.P. RTE.           | SECTION      | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|-----------------------|--------------|---------------------------|--------------|-----------|
| 353                   | (12&13)WRS-4 | WILL/COOK                 | 608          | 364       |
| STA.                  |              | TO STA.                   |              |           |
| FED. ROAD DIST. NO. 1 |              | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62478    |              |                           |              |           |

| PAY ITEM   | UNIT  | TOTAL  | U. S ROUTE 30 AT U.S. ROUTE 45 | U.S. ROUTE 30 AT PFEIFFER ROAD | U.S. ROUTE 30 AT 80TH AVENUE | U.S. ROUTE 30 AT FRANKFORT SQUARE / HUNTER WOODS | U.S. ROUTE 30 AT IL ROUTE 43 | INTERCONNECT |
|--|-------|--------|--------------------------------|--------------------------------|------------------------------|--|------------------------------|--------------|
| SIGN PANEL - TYPE 1  | SQ FT | 67     |                                | 15                             | 12                           |  | 40                           |              |
| SIGN PANEL - TYPE 2  | SQ FT | 188    |                                | 15                             | 30                           | 88   | 55                           |              |
| CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL                                 | FOOT  | 14806  | 10                             | 650                            | 451                          | 524  | 1065                         | 12106        |
| CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL                             | FOOT  | 10     |                                |                                |                              |  |                              |              |
| CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL                                 | FOOT  | 306    |                                | 129                            | 33                           | 43   | 101                          |              |
| CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL                                 | FOOT  | 304    |                                | 38                             | 56                           | 116  | 94                           |              |
| CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL                                    | FOOT  | 2871   |                                | 100                            | 328                          | 241  | 373                          | 1829         |
| CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL                                | FOOT  | 26     |                                | 26                             |                              |  |                              |              |
| CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL                                    | FOOT  | 41     |                                | 20                             |                              | 21   |                              |              |
| CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL                                    | FOOT  | 1605   |                                | 216                            | 455                          | 356  | 578                          |              |
| CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL                     | FOOT  | 188    |                                |                                |                              |  |                              | 188          |
| JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 12" X 8"         | EACH  | 2      |                                |                                |                              |  |                              | 2            |
| HANDHOLE   | EACH  | 44     |                                | 4                              | 4                            | 4  | 6                            | 26           |
| HEAVY-DUTY HANDHOLE  | EACH  | 14     |                                | 2                              | 4                            | 4  | 4                            |              |
| DOUBLE HANDHOLE  | EACH  | 7      |                                | 1                              | 2                            | 2  | 2                            |              |
| TRENCH AND BACKFILL FOR ELECTRICAL WORK                                      | FOOT  | 15214  | 10                             | 710                            | 524                          | 638  | 1226                         | 12106        |
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION                          | EACH  | 1      | 1                              |                                |                              |  |                              |              |
| FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL                        | EACH  | 4      |                                | 1                              | 1                            | 1  | 1                            |              |
| TRANSCIEVER-FIBER OPTIC  | EACH  | 4      |                                | 1                              | 1                            | 1  | 1                            |              |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C                                  | FOOT  | 1083   |                                | 436                            | 210                          | 437  |                              |              |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C                                  | FOOT  | 3472   |                                | 985                            | 556                          | 772  | 1159                         |              |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C                                  | FOOT  | 7958   |                                | 1987                           | 1319                         | 1327   | 3325                         |              |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C                                  | FOOT  | 5668   |                                | 308                            | 1648                         | 1642   | 2070                         |              |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR                            | FOOT  | 13026  | 394                            | 2002                           | 2579                         | 2564   | 5487                         |              |
| ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C                                  | FOOT  | 130    |                                | 25                             | 36                           | 41   | 28                           |              |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.                                 | EACH  | 2      |                                | 2                              |                              |  |                              |              |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.                                 | EACH  | 2      |                                | 1                              | 1                            |  |                              |              |
| STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.                                     | EACH  | 1      |                                |                                |                              |  | 1                            |              |
| STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.                                     | EACH  | 1      |                                | 1                              |                              |  |                              |              |
| STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.                                     | EACH  | 1      |                                |                                |                              |  | 1                            |              |
| STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.                                     | EACH  | 1      |                                | 1                              |                              |  |                              |              |
| STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.                                     | EACH  | 1      |                                |                                |                              | 1  |                              |              |
| STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.                                     | EACH  | 3      |                                | 1                              | 1                            |  | 1                            |              |
| STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.                                     | EACH  | 1      |                                |                                | 1                            |  |                              |              |
| STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.                                     | EACH  | 2      |                                |                                |                              | 2  |                              |              |
| STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.                                     | EACH  | 1      |                                |                                |                              |  | 1                            |              |
| STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.                                     | EACH  | 2      |                                |                                | 1                            | 1  |                              |              |
| STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.                                     | EACH  | 1      |                                |                                | 1                            |  |                              |              |
| CONCRETE FOUNDATION, TYPE A  | FOOT  | 16     |                                | 12                             | 4                            |  |                              |              |
| CONCRETE FOUNDATION, TYPE C  | FOOT  | 16     |                                | 4                              | 4                            | 4  | 4                            |              |
| CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER                                 | FOOT  | 60     |                                | 30                             |                              |  | 30                           |              |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER                                 | FOOT  | 116    |                                | 15                             | 28                           | 45   | 28                           |              |
| CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER                                 | FOOT  | 63     |                                |                                | 42                           | 21   |                              |              |
| DRILL EXISTING HANDHOLE  | EACH  | 2      | 1                              |                                |                              |  |                              | 1            |
| SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED                     | EACH  | 30     |                                | 6                              | 6                            | 6  | 12                           |              |
| SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED                      | EACH  | 2      |                                | 2                              |                              |  |                              |              |
| SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED                      | EACH  | 8      |                                |                                | 4                            | 4  |                              |              |
| SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED                     | EACH  | 17     |                                | 1                              | 4                            | 4  | 8                            |              |
| SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED       | EACH  | 1      |                                | 1                              |                              |  |                              |              |
| PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH  | 8      |                                | 4                              | 2                            | 2  |                              |              |
| TRAFFIC SIGNAL BACKPLATE, LOURVERED, ALUMINUM                                | EACH  | 47     |                                | 7                              | 10                           | 10   | 20                           |              |
| INDUCTIVE LOOP DETECTOR  | EACH  | 45     |                                | 7                              | 10                           | 10   | 18                           |              |
| * LIGHT DETECTOR   | EACH  | * 10   |                                | * 2                            | * 2                          | * 2  | * 4                          |              |
| * LIGHT DETECTOR AMPLIFIER   | EACH  | * 4    |                                | * 1                            | * 1                          | * 1  | * 1                          |              |
| PEDESTRIAN PUSH-BUTTON   | EACH  | 8      |                                | 4                              | 2                            | 2  |                              |              |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION  | EACH  | 2      |                                | 1                              |                              |  | 1                            |              |
| MODIFY EXISTING CONTROLLER (SPECIAL)   | EACH  | 1      | 1                              |                                |                              |  |                              |              |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                                     | EACH  | 2      |                                | 1                              |                              |  | 1                            |              |
| REMOVE EXISTING HANDHOLE   | EACH  | 19     |                                | 7                              |                              |  | 12                           |              |
| REMOVE EXISTING CONCRETE FOUNDATION  | EACH  | 14     |                                | 5                              |                              |  | 9                            |              |
| ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C                                  | FOOT  | 17538  |                                |                                |                              |  |                              | 17538        |
| PREFORMED DETECTOR LOOP  | FOOT  | 3680   |                                | 583                            | 1065                         | 998  | 1034                         |              |
| OPTIMIZE TRAFFIC SIGNAL SYSTEM   | EACH  | 1      |                                |                                |                              |  |                              | 1            |
| RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM-LEVEL 2                                    | EACH  | 1      |                                |                                |                              |  |                              | 1            |
| TEMPORARY TRAFFIC SIGNAL TIMING  | EACH  | 2      |                                | 1                              |                              |  | 1                            |              |
| CONCRETE FOUNDATION, TYPE E (SPECIAL)  | EACH  | 50     |                                |                                |                              |  | 50                           |              |
| SERVICE INSTALLATION-POLE MOUNTED  | EACH  | 4      |                                | 1                              | 1                            | 1  | 1                            |              |
| UNINTERRUPTIBLE POWER SUPPLY   | EACH  | 4      |                                | 1                              | 1                            | 1  | 1                            |              |
| FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F SM12F                       | FOOT  | 17627  |                                |                                |                              |  |                              | 17627        |
| ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C                               | FOOT  | 2877   |                                | 577                            | 693                          | 682  | 925                          |              |
| * ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED                   | FOOT  | * 2333 |                                | * 521                          | * 332                        | * 321  | * 1159                       |              |
| STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 58 FT.      | EACH  | 1      |                                |                                |                              |  | 1                            |              |
| STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 36 FT. AND 64 FT.      | EACH  | 1      |                                |                                |                              |  | 1                            |              |
| TEMPORARY VIDEO DETECTION  | EACH  | 1      | 1                              |                                |                              |  |                              |              |

\* 100% COST TO FRANKFORT FIRE PROTECTION DISTRICT

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

| REVISIONS |      |
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| NAME      | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC SIGNAL  
SUMMARY OF QUANTITIES

NOT TO SCALE  
DATE 7/29/2010  
DRAWN BY OJT  
DESIGNED BY BRD  
CHECKED BY JJE