

191

INDEX OF SHEETS

SEE SHEET 2 FOR INDEX OF SHEETS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PROPOSED HIGHWAY PLANS

VARIOUS ROUTES  
D4 ITS 2018

PEORIA COUNTY

C-94-054-18

| ROUTE                       | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|-------------|--------|--------------|-----------|
| VARIOUS                     | D4 ITS 2018 | PEORIA | 87           | 1         |
| ILLINOIS CONTRACT NO. 68E20 |             |        |              |           |

D-94-033-18



HIGHWAY STANDARDS

SEE SHEET 2 FOR A LIST OF APPLICABLE HIGHWAY STANDARDS

PROJECT DESCRIPTION

~~INSTALLATION OF NEW CENTRAL TRAFFIC SIGNAL SYSTEM FOR CITY OF PEORIA, INSTALLION OF FIBER OPTIC CABLE, COMMUNICATIONS EQUIPMENT AND CCTV CAMERAS AT VARIOUS LOCATIONS IN PEORIA.~~

JULIE  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 25, 2018  
Paul A. Jones  
REGION THREE ENGINEER

Dec 7, 2018  
Paul A. Jones  
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 7, 2018  
Paul A. Jones  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: ERIC HOWALD (309) 671-4481  
PROJECT MANAGER: BEN TELLEFSON (309) 671-4477  
CATALOG NO. 035601-00D  
CONTRACT NO. 68E20

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**CONSTRUCTION NOTES**

1. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
3. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
4. THE LOCATIONS FOR HANDHOLES, COMMUNICATION VAULTS, CONTROLLER CABINETS, AND CONDUITS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
5. ALL EXISTING IDOT ELECTRIC FACILITIES SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED CONDUIT AND FIBER OPTIC CABLE.
6. THE CONTRACTOR SHALL PROVIDE FIBER OPTIC CABLE SLACK IN ACCORDANCE WITH THE TABLE PROVIDED IN THE PLANS.
7. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 871.05 & 871.06.
8. POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE CONDUIT PAY ITEMS.
9. REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK, PAVEMENT, AND ISLANDS FOR UTILITY LOCATING PURPOSES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE CONDUIT PAY ITEMS.
10. THERE SHALL BE NO ADDITIONAL SPLICES IN THE FIBER OPTIC CABLE EXCEPT WHERE NOTED IN THE PLANS, OR UPON APPROVAL OF THE TRAFFIC ENGINEER.
11. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
12. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
13. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN THE REQUIRED MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
14. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
15. PCC HANDHOLES AND COMMUNICATIONS VAULTS SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
16. THE CONTRACTOR SHALL INSTALL A #12 (XLP-TYPE USE OR THHN) TRACER WIRE ALONG WITH THE FIBER OPTIC CABLE FOR LOCATING PURPOSES. THE TRACER WIRE SHALL BE CONTINUOUS AND BE ACCESSIBLE FROM COMMUNICATION VAULTS, HANDHOLES, TRAFFIC SIGNAL CABINETS, AND CCTV CABINETS. THE COST OF FURNISHING AND INSTALLING THE TRACER WIRE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE PAY ITEM "FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE."
17. ALL COMMUNICATION DUCT SHALL BE INSTALLED AND PAID FOR IN ACCORDANCE WITH SECTION 810 "UNDERGROUND RACEWAYS" OF THE STANDARD SPECIFICATIONS.
18. THE LOCATION OF THE PROPOSED CONDUIT AS SHOWN ON THE PLAN SHEETS IS APPROXIMATE AND NOT DRAWN TO SCALE. CONDUIT INSTALLED ALONG ROADWAYS SHALL BE LOCATED A MAXIMUM OF 10 FT. FROM THE EDGE OF THE R.O.W. UNLESS DIRECTED OTHERWISE BY THE RESIDENT ENGINEER. THE CONDUIT SHALL BE INSTALLED AT A 24" MINIMUM DEPTH EXCEPT WHEN CROSSING WATERWAYS AND DRAINAGE FLOW LINES WHERE IT SHALL BE INSTALLED AT A 60" DEPTH.
- ~~19. THE DEPARTMENT AND THE CITY OF PEORIA PROGRAM THE TRAFFIC SIGNAL CONTROLLERS PRIOR TO INSTALLATION IN THE FIELD.~~
20. PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING FIELD TILE, UNDERDRAIN, AND DRAINAGE STRUCTURES. THE CONTRACTOR SHALL MAKE AN EFFORT TO MINIMIZE DAMAGE TO THESE FACILITIES DURING THE INSTALLATION OF CONDUIT AND COMMUNICATION VAULTS. IN THE EVENT THAT THESE FACILITIES ARE DAMAGED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING REPAIRS TO THESE ITEMS AND RESTORING FUNCTIONALITY TO THE SATISFACTION OF THE ENGINEER.
22. THE CONTRACTOR SHALL PLAN AND CONDUCT CONDUIT AND FIBER INSTALLATION OPERATIONS TO MINIMIZE THE NUMBER OF ROAD LANE CLOSURES AND TO MINIMIZE TRAFFIC DISRUPTIONS AND DELAYS FOR THE MOTORING PUBLIC.
23. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR INSTALLING COMMUNICATIONS DUCT AND COMMUNICATION VAULTS UNDER AND ALONG STATE, COUNTY AND TOWNSHIP ROADWAYS.
24. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BIDDING. THERE WILL BE NO ADDITIONAL COMPENSATION PAID FOR CLAIMS THAT ARISE FROM A FAILURE TO FULLY INVESTIGATE EXISTING FIELD CONDITIONS.
25. ALL CAMERAS SHALL BE INSTALLED AT A MINIMUM MOUNTING HEIGHT OF 43 FT.
26. THE TRAFFIC SIGNAL CONTROLLER AND CABINET SHALL BE ORIENTATED SO THAT THE DOOR IS FACING AWAY FROM TRAFFIC.
27. THE CONTRACTOR SHALL RESTORE DISTURBED AREAS BY GRADING AND SEEDING. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED CONDUIT.
28. ALL TERMINATED FIBERS SHALL BE Laterally Spliced Inside Communication Vaults and Handholes. All unused fibers and buffer tubes shall remain intact for future use.
29. THE CONTRACTOR SHALL REMOVE EXISTING COMMUNICATIONS PEDESTALS AND DISPOSE OF THEM OFF-SITE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR THE PAY ITEM "HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL)"
30. THE CONTRACTOR SHALL COUPLE THE EXISTING CONDUIT TO THE PROPOSED CONDUIT AND MODIFY THE EXISTING CONDUIT AS REQUIRED FOR FACILITATE INSTALLATION INTO THE PROPOSED COMMUNICATIONS VAULTA NAD HANDHOLES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONDUIT.
31. THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE FROM THE EXISTING CONDUITS WHEN INSTALLING THE PROPOSED FIBER OPTIC CABLE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED FIBER OPTIC CABLE.
32. REMOVAL OF EXISTING TRAFFIC SIGNAL COMPONENTS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES FOR THE PROPOSED ITEMS.
- ~~33. THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL CABINETS AND PERIPHERAL EQUIPMENT FROM THE INTERSECTIONS LOCATED IN THE CITY OF PEORIA AND DELIVER THEM TO THE PEORIA PUBLIC WORKS BUILDING LOCATED AT 3200 N. DRIES LN., PEORIA. THE CONTRACTOR SHALL NOTIFY IRV LEBLANC AT (309) 303-7440 FORTY-EIGHT HOURS IN ADVANCE OF EQUIPMENT DELIVERY.~~
- ~~34. THE CONTRACTOR SHALL REMOVE EXISTING PHOTOCCELL RELAYS, DIN RAIL MOUNTED COMMUNICATIONS EQUIPMENT, TRAFFIC SIGNAL INTERCONNECT EQUIPMENT, EVP EQUIPMENT, AND FIBER OPTIC ENCLOSURES FROM EXISTING TRAFFIC SIGNAL CONTROLLER CABINETS AND INSTALL THE EQUIPMENT IN THE PROPOSED CONTROLLER CABINETS AT EACH LOCATION. THIS WORK SHALL BE INCLUDED IN THE PAY ITEMS FOR THE PROPOSED TRAFFIC SIGNAL CABINETS.~~
- ~~35. THE CONTRACTOR SHALL REMOVE EXISTING BATTERY BACKUP SYSTEM CABINETS AND COMPONENTS FROM EXISTING TRAFFIC SIGNAL CONTROLLER CABINETS AND INSTALL THEM IN THE PROPOSED CONTROLLER CABINETS AT EACH LOCATION. THIS WORK SHALL BE INCLUDED IN THE PAY ITEMS FOR THE PROPOSED TRAFFIC SIGNAL CABINETS.~~
- ~~36. THE CONTRACTOR WILL BE ALLOWED TO PLACE THE INTERSECTION INTO ALL-RED FLASH MODE AND ALL-WAY STOP CONTROL ONLY DURING THE HOURS SPECIFIED ABOVE TO INSTALL TRAFFIC SIGNAL CABINETS.~~
- ~~37. THE CONTRACTOR SHALL FURNISH AND INSTALL A MINIMUM OF TWO STOP SIGNS PER APPROACH WHEN THE INTERSECTION IS OPERATING IN ALL-RED FLASH MODE OR ALL-WAY STOP CONTROL (FOR TIME PERIODS IN EXCESS OF FIFTEEN MINUTES). THE STOP SIGNS SHALL BE DISPLAYED IN ACCORDANCE WITH ALL APPLICABLE MUTCD REQUIREMENTS. ALL COSTS (LABOR, MATERIALS, AND EQUIPMENT) ASSOCIATED WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE PROPOSED TRAFFIC SIGNAL CABINETS. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.~~



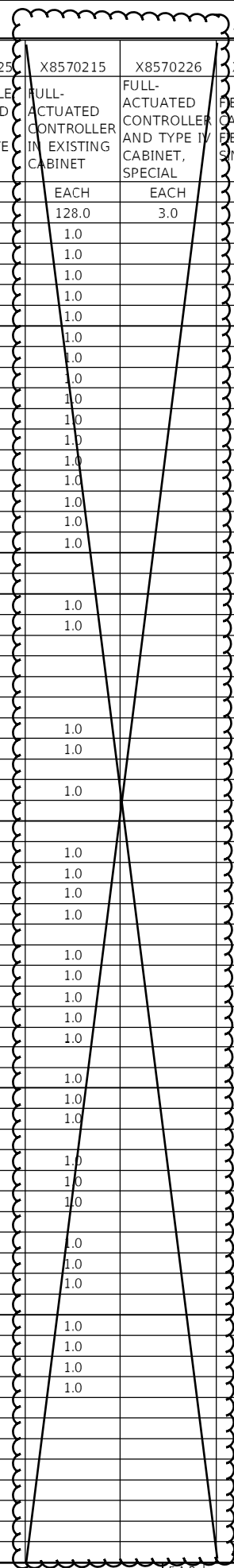
|             |                     |                       |           |   |                           |                    |             |        |              |           |
|-------------|---------------------|-----------------------|-----------|---|---------------------------|--------------------|-------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = \$USERS | DESIGNED -            | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>CONSTRUCTION NOTES</b> | F.A.P. RTE.        | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| \$FILES     |                     | DRAWN -               | REVISED - |   |                           | VAR.               | D4 ITS 2018 | PEORIA | 87           | 4         |
|             |                     | CHECKED -             | REVISED - |   |                           | CONTRACT NO. 68E20 |             |        |              |           |
|             |                     | PLOT SCALE = \$SCALES | REVISED - |   |                           |                    |             |        |              |           |
|             |                     | PLOT DATE = \$DATES   | REVISED - |   |                           |                    |             |        |              |           |

# SUMMARY OF QUANTITIES

|                     |  |                  |                  | PEORIA COUNTY   |  |  |   |   |   |       |         |
|---------------------|--|------------------|------------------|---|--|--|---|---|---|-------|---------|
|                     |  |                  |                  | CONST. TYPE<br>CODE 0021<br>100% STATE<br>0% PEORIA<br>SIGNALS<br>URBAN | CONST. TYPE<br>CODE 0021<br>95% STATE<br>5% PEORIA<br>SIGNALS<br>URBAN | CONST. TYPE<br>CODE 0021<br>93.3% STATE<br>6.7% PEORIA<br>SIGNALS<br>URBAN | CONST. TYPE<br>CODE 0021<br>90% STATE<br>10% PEORIA<br>SIGNALS<br>URBAN | CONST. TYPE<br>CODE 0021<br>85% STATE<br>15% PEORIA<br>SIGNALS<br>URBAN | CONST. TYPE<br>CODE 0021<br>80% STATE<br>20% PEORIA<br>SIGNALS<br>URBAN |       |         |
| ITEM CODE           | ITEM DESCRIPTION   | UNIT             | TOTAL QTY.       |   |  |  |   |   |   |       |         |
| 42400100            | PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH                         | SQ FT            | 68.0             |   |  |  |   |   |   |       |         |
| 44000600            | SIDEWALK REMOVAL   | SQ FT            | 80.0             |   |  |  |   |   |   |       |         |
| 67100100            | MOBILIZATION   | L SUM            | 1.0              | 0.24  | 0.02   | 0.04   | 0.24  |   |   |       |         |
| 81028350            | UNDERGROUND CONDUIT, PVC, 2" DIA.                                | FOOT             | 1545.0           |   |  |  |   |   |   |       |         |
| 81400700            | HANDHOLE, PORTLAND CEMENT CONCRETE                               | EACH             | 1.0              |   |  |  |   |   |   |       |         |
| 87900200            | DRILL EXISTING HANDHOLE  | EACH             | 2.0              |   |  |  |   |   |   |       |         |
| <del>88500100</del> | <del>INDUCTIVE LOOP DETECTOR</del>                               | <del>EACH</del>  | <del>2.0</del>   |   |  |  |   |   |   |       |         |
| X0320024            | ETHERNET MANAGE SWITCH   | EACH             | 29.0             | 7.0   | 1.0  | 1.0  | 10.0  |   |   |       |         |
| <del>X0326248</del> | <del>ATMS SOFTWARE (CORE MODULE)</del>                           | <del>L SUM</del> | <del>1.0</del>   | <del>0.24</del>   | <del>0.02</del>  | <del>0.04</del>  | <del>0.24</del>   |   |   |       |         |
| X0326258            | NETWORK SECURITY APPLIANCE                                       | EACH             | 1.0              | 1.0   |  |  |   |   |   |       |         |
| X0326263            | EQUIPMENT CABINET  | EACH             | 1.0              | 1.0   |  |  |   |   |   |       |         |
| X0326266            | ETHERNET SWITCH  | EACH             | 73.0             | 6.0   | 2.0  | 3.0  | 10.0  | 1.0   | 51.0  |       |         |
| X0326812            | CAT 5 ETHERNET CABLE   | FOOT             | 470.5            |   |  |  |   |   |   |       |         |
| X0326905            | CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED                  | EACH             | 5.0              |   |  |  |   |   |   |       |         |
| X0327206            | DATA SERVER  | L SUM            | 1.0              | 1.0   |  |  |   |   |   |       |         |
| X0327606            | FIBER OPTIC SPLICE-LATERAL                                       | EACH             | 5.0              |   |  |  |   |   |   |       |         |
| X0327741            | ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY)               | EACH             | 1.0              | 1.0   |  |  |   |   |   |       |         |
| X7010216            | TRAFFIC CONTROL AND PROTECTION, (SPECIAL)                        | L SUM            | 1.0              | 0.24  | 0.02   | 0.04   | 0.24  |   |   |       |         |
| X8140225            | HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL)                     | EACH             | 6.0              |   |  |  |   |   |   |       |         |
| <del>X8570215</del> | <del>FULL ACTUATED CONTROLLER IN EXISTING CABINET</del>          | <del>EACH</del>  | <del>128.0</del> | <del>18.0</del>   | <del>6.0</del>   | <del>4.0</del>   | <del>31.0</del>   | <del>1.0</del>  | <del>68.0</del>   |       |         |
| <del>X8570226</del> | <del>FULL ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL</del> | <del>EACH</del>  | <del>3.0</del>   | <del>1.0</del>  |  |  |   |   |   |       |         |
| X8710030            | FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE                         | FOOT             | 41508.5          | 701.0   |  |  |   |   | 160.5   | 193.0 | 40454.0 |
| X8710050            | FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                      | EACH             | 133.0            | 22.0  | 4.0  | 8.0  | 42.0  |   |   |       |         |
| Z0033052            | COMMUNICATIONS VAULT   | EACH             | 19.0             |   |  |  |   |   |   |       |         |



| LOCATION   | CODE             | 42400100                                 | 44000600         | 81028350                          | 81400700                           | 87900200                | 88500100                | X0320024               | X0326266        | X0326812             | X0326905  | X0327606                   | X0327741   | X8140225                                    | X8570215                                     | X8570226  | X8710030                                 | X8710050                                    | Z0033052             |
|--|------------------|--|------------------|-----------------------------------|------------------------------------|-------------------------|-------------------------|------------------------|-----------------|----------------------|---|----------------------------|--|---|--|---|--|---|----------------------|
|  | ITEM DESCRIPTION | PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH | SIDEWALK REMOVAL | UNDERGROUND CONDUIT, PVC, 2" DIA. | HANDHOLE, PORTLAND CEMENT CONCRETE | DRILL EXISTING HANDHOLE | INDUCTIVE LOOP DETECTOR | ETHERNET MANAGE SWITCH | ETHERNET SWITCH | CAT 5 ETHERNET CABLE | CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED | FIBER OPTIC SPLICE-LATERAL | ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY) | HANDHOLE PORTLAND CEMENT CONCRETE (SPECIAL) | FULL-ACTUATED CONTROLLER IN EXISTING CABINET | FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL | FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE | FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH | COMMUNICATIONS VAULT |
|  | UNIT             | SQ FT                                    | SQ FT            | FOOT                              | EACH                               | EACH                    | EACH                    | EACH                   | EACH            | FOOT                 | EACH  | EACH                       | EACH   | EACH  | EACH   | EACH  | FOOT                                     | EACH  | EACH                 |
| TOTAL QTY.   | 68.0             | 80.0                                     | 1545.0           | 1.0                               | 2.0                                | 2.0                     | 29.0                    | 73.0                   | 470.5           | 5.0                  | 5.0   | 1.0                        | 6.0  | 128.0                                       | 3.0  | 41508.5   | 133.0                                    | 19.0  |                      |
| ADAMS ST. & EDMUND ST.                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| ADAMS ST. & FULTON ST.                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| ADAMS ST. & GARDEN ST.                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| ADAMS ST. & GRISWOLD ST.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| ADAMS ST. & HAMILTON BLVD.                               |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| ADAMS ST. & HARRISON ST.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| ADAMS ST. & LIBERTY ST.                                  |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| ADAMS ST. & LIGONIER ST. / NEVADA ST.                    |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| ADAMS ST. & LINCOLN AVE.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| ADAMS ST. & MAIN ST.                                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| ADAMS ST. & OAK ST.                                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| ADAMS ST. & STATE ST.                                    |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| ADAMS ST. & UNMARKED (FAYETTE ST.)                       |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| ADAMS ST. & WASHINGTON ST. / KRAUSE AVE.                 |                  |  |                  |                                   |                                    |                         |                         | 1.0                    | 1.0             |                      |   |                            |  |   |  |   |  |   |                      |
| ADAMS ST. / I-74 WB EXIT RAMP & UNMARKED (SPALDING AVE.) |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| AIRPORT RD. & GARFIELD AVE.                              |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| AIRPORT RD. & I-474 EB RAMPS / DIRKSEN PARKWAY           |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| AIRPORT RD. & PFEIFFER RD.                               |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| AIRPORT RD. & SMITHVILLE RD. (NORTH)                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| AIRPORT RD. & SMITHVILLE RD. (SOUTH)                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| ALLEN RD. & CARRIAGE LN.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| ALLEN RD. & IL 6 NB RAMPS                                |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| ALLEN RD. & IL 6 SB RAMPS                                |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| ALLEN RD. & NORTHMOOR RD.                                |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   |  |   |  |   |                      |
| ALLEN RD. & PIONEER PARKWAY                              |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   |  |   |  |   |                      |
| ALLEN RD. & TOWNLINE RD.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| ALLEN RD. & VAN WINKLE WAY                               |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| ALLEN RD. & WALTON WAY                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| ALLEN RD. & WILHELM RD.                                  |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| ALLEN RD. & WILLOW KNOLLS DR.                            |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| BIG HOLLOW RD. & CHARTER OAK RD.                         |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| BIG HOLLOW RD. & GLEN HOLLOW RD.                         |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| FARMINGTON RD. & SOUTHPORT RD.                           |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| FORREST HILL & DRIES LN.                                 |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   |  |   |  |   |                      |
| FORREST HILL & GALE AVE.                                 |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   |  |   |  |   |                      |
| GALE AVE. & I-74 EB RAMPS                                |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| GALE AVE. & I-74 WB RAMPS                                |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| GLEN AVE. & DAWN ST.                                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| GLEN AVE. & GLEN PARK PL.                                |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| GLEN AVE. & ISABELL AVE.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| GLEN AVE. FIBER OPTIC                                    |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   | 3603.0                                   |   | 3.0                  |
| GLENDALE AVE. & HAMILTON BLVD.                           |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| HAMILTON BLVD. & WASHINGTON ST.                          |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| IL 116 & MAXWELL RD. / PLANK RD.                         |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| IL 116 (HARMON HIGHWAY) & AIRPORT RD.                    |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| IL 116 (LINCOLN AVE.) & LARAMIE ST.                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| IL 29 (ADAMS ST.) & ALEXANDER AVE.                       |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| IL 29 (ADAMS ST.) & BRYAN AVE. / EATON ST.               |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| IL 29 (ADAMS ST.) & LORENTZ AVE.                         |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| IL 29 (ADAMS ST.) & SLOAN ST.                            |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| IL 29 (ADAMS ST.) & SPRING ST.                           |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| IL 29 (ADAMS ST.) & US 150 EB RAMPS                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| IL 29 (ADAMS ST.) & US 150 WB RAMPS                      |                  |  |                  |                                   |                                    |                         |                         | 1.0                    | 1.0             |                      |   |                            |  |   |  |   |  |   |                      |
| IL 29 (JEFFERSON ST.) & ABINGTON ST.                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| IL 29 (JEFFERSON ST.) & BRYAN AVE.                       |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| IL 29 (JEFFERSON ST.) & SPRING ST.                       |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   |                      |
| IL 40 (FAYETTE ST./ KNOXVILLE AVE.) & GLEN OAK AVE.      |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| IL 40 (KNOXVILLE AVE.) & ALTA RD. / FRONTAGE RD.         |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| IL 40 (KNOXVILLE AVE.) & BETHANY WAY                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| IL 40 (KNOXVILLE AVE.) & BIRD BLVD. / FRYE RD.           |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| IL 40 (KNOXVILLE AVE.) & CEDAR HILLS DR.                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| IL 40 (KNOXVILLE AVE.) & DETWEILLER DR.                  |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| IL 40 (KNOXVILLE AVE.) & FORREST HILL AVE.               |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| IL 40 (KNOXVILLE AVE.) & GILES LN. / SHERIDAN RD.        |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |
| IL 40 (KNOXVILLE AVE.) & GLEN AVE.                       |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  |   | 1.0                  |



|             |                       |            |           |
|-------------|-----------------------|------------|-----------|
| FILE NAME = | USER NAME = \$USERS   | DESIGNED - | REVISED - |
| \$FILES     |                       | DRAWN -    | REVISED - |
|             | PLOT SCALE = \$SCALES | CHECKED -  | REVISED - |
|             | PLOT DATE = \$DATES   | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| SCALE: |  | STA. |  | TO STA. |  |
|--------|--|------|--|---------|--|
|        |  |      |  |         |  |

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 6         |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

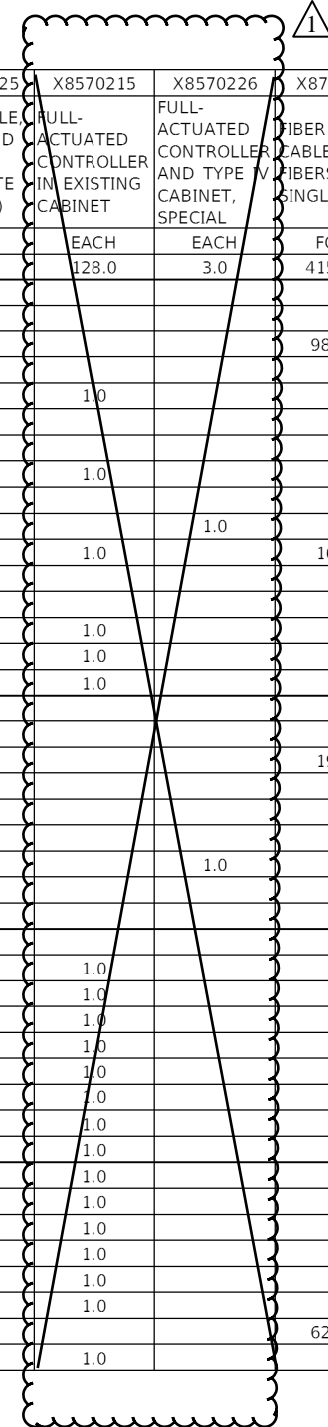
| LOCATION   | CODE             | 42400100                                 | 44000600         | 81028350                          | 81400700                           | 87900200                | 88500100                | X0320024               | X0326266        | X0326812             | X0326905  | X0327606                   | X0327741   | X8140225                                    | X8570215                                     | X8570226  | X8710030                                 | X8710050                                    | Z0033052             |
|--|------------------|--|------------------|-----------------------------------|------------------------------------|-------------------------|-------------------------|------------------------|-----------------|----------------------|---|----------------------------|--|---|--|---|--|---|----------------------|
|  | ITEM DESCRIPTION | PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH | SIDEWALK REMOVAL | UNDERGROUND CONDUIT, PVC, 2" DIA. | HANDHOLE, PORTLAND CEMENT CONCRETE | DRILL EXISTING HANDHOLE | INDUCTIVE LOOP DETECTOR | ETHERNET MANAGE SWITCH | ETHERNET SWITCH | CAT 5 ETHERNET CABLE | CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED | FIBER OPTIC SPLICE-LATERAL | ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY) | HANDHOLE PORTLAND CEMENT CONCRETE (SPECIAL) | FULL-ACTUATED CONTROLLER IN EXISTING CABINET | FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL | FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE | FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH | COMMUNICATIONS VAULT |
|  | UNIT             | SQ FT                                    | SQ FT            | FOOT                              | EACH                               | EACH                    | EACH                    | EACH                   | EACH            | FOOT                 | EACH  | EACH                       | EACH   | EACH  | EACH   | EACH  | FOOT                                     | EACH  | EACH                 |
| TOTAL QTY.   | 68.0             | 80.0                                     | 1545.0           | 1.0                               | 2.0                                | 2.0                     | 29.0                    | 73.0                   | 470.5           | 5.0                  | 5.0   | 1.0                        | 6.0  | 128.0                                       | 3.0  | 41508.5   | 133.0                                    | 19.0  |                      |
| IL 40 (KNOXVILLE AVE.) & HICKORY GROVE RD.                       |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & IL 6 NB RAMPS                           |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & JUNCTION CITY ENTRANCE / DONOVAN PARK   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & LAKE AVE.                               |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & LINDBERGH DR.                           |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & LYNDALE RD.                             |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & MCCLURE AVE.                            |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & MOSSVILLE RD. / WILHELM RD.             |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & NEBRASKA AVE.                           |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & NORTHMOOR RD. / PIN OAK CT.             |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & NORTHPOINT ENTRANCE / NORTH LN.         |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & PENNSYLVANIA AVE. / I-74 WB RAMPS       |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & PENNSYLVANIA ITS CABINET                |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            | 1.0  |   |  |   |  |   |                      |
| IL 40 (KNOXVILLE AVE.) & PIONEER PARKWAY                         |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   |  |   |  |   |                      |
| IL 40 (KNOXVILLE AVE.) & PROCTOR HOSPITAL ENTRANCE / ELAINE AVE. |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & PROSPECT RD.                            |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & RAVINWOOD RD. / RICHMAR RD.             |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & RICHMOND AVE.                           |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  | 1.0   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & THRUSH AVE.                             |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & US 150 (WAR MEMORIAL DR.)               |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (KNOXVILLE AVE.) & WOODSIDE DR.                            |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (PERRY AVE.) & HAMILTON BLVD.                              |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  | 1.0   |  |   |  | 1.0   |                      |
| IL 40 (PERRY AVE.) & MAIN ST.                                    |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  | 1.0   |  |   |  | 1.0   |                      |
| IL 40 (SPALDING AVE.) & GLEN OAK AVE. / I-74 WB ENTRANCE RAMP    |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (SPALDING AVE.) & GLENDALE                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (SPALDING AVE.) & GREENLEAF ST. / I-74 WB EXIT RAMP        |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (W.M. KUMPF BLVD.) & ADAMS ST.                             |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 40 (W.M. KUMPF BLVD.) & JEFFERSON AVE.                        |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   | 1.0  |   |  |   |                      |
| IL 40 (W.M. KUMPF BLVD.) & JOHN H. GWYNN JR. AVE.                |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |   |  | 1.0   |                      |
| IL 40 (W.M. KUMPF BLVD.) & MARTIN LUTHER KING JR. DR.            |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |   |  | 1.0   |                      |
| IL 40 (W.M. KUMPF BLVD.) & ROMEO B. GARRETT AVE.                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |   |  | 1.0   |                      |
| IL 40 (W.M. KUMPF BLVD./ GLENDALE AVE.) & MAIN ST.               |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   | 1.0  |   |  | 1.0   |                      |
| IL 8 (WESTERN AVE.) & BRADLEY AVE./ ROHMANN AVE.                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |   |  | 1.0   |                      |
| IL 8 (WESTERN AVE.) & IL 116 (HOWETT ST.)                        |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |   |  |   |                      |
| IL 8 (WESTERN AVE.) & IL 116 (LINCOLN AVE.)                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |   |  |   |                      |
| IL 8 (WESTERN AVE.) & MARTIN LUTHER KING JR. DR.                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| IL 8 (WESTERN AVE.) & MOSS AVE.                                  |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  | 1.0   |  |   |  | 1.0   |                      |
| IL 91 & AMERICAN PRAIRIE DR.                                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   |  | 1.0   |                      |
| JEFFERSON AVE. & GARDEN ST.                                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |   |  |   |                      |
| JEFFERSON AVE. & LINCOLN AVE.                                    |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |   |  |   |                      |
| JEFFERSON AVE. & OAK ST.   |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |   |  |   |                      |
| JEFFERSON ST. & FULTON ST.                                       |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |   |  |   |                      |
| JEFFERSON ST. & HAMILTON BLVD.                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |   |  |   |                      |
| JEFFERSON ST. & LIBERTY ST.                                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |   |  |   |                      |
| JEFFERSON ST. & MAIN ST.   |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |   |  |   |                      |
| JEFFERSON ST. & UNMARKED (FAYETTE ST.)                           |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |   |  | 1.0   |                      |
| JEFFERSON ST. & UNMARKED (SPALDING AVE.)                         |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   | 1.0  |   |  |   |                      |
| KUMPF & JEFFERSON ITS CABINET                                    |                  |  |                  |                                   |                                    |                         | 2.0                     |                        |                 |                      |   |                            |  |   |  |   | 291.0                                    | 1.0   |                      |
| LAKE AVE. & EVERGREEN SHOPPING CENTER/ SHERIDAN VILLAGE          |                  |  |                  |                                   |                                    |                         |                         |                        | 1.0             |                      |   |                            |  |   | 1.0  |   |  |   |                      |
| MACARTHUR BRIDGE ITS CABINET                                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   | 1646.0                                   | 1.0   |                      |
| MACARTHUR HWY. & ADAMS ST.                                       |                  |  |                  |                                   |                                    |                         |                         |                        | 1.0             |                      |   |                            |  |   | 1.0  |   |  |   |                      |
| MACARTHUR HWY. & HOWETT ST.                                      |                  |  |                  |                                   |                                    |                         |                         |                        | 1.0             |                      |   |                            |  |   | 1.0  |   |  |   |                      |
| MACARTHUR HWY. & JEFFERSON AVE.                                  |                  |  |                  |                                   |                                    |                         |                         |                        | 1.0             |                      |   |                            |  |   | 1.0  |   |  |   |                      |
| MACARTHUR HWY. & JOHN H. GWYNN JR. AVE.                          |                  |  |                  |                                   |                                    |                         |                         |                        | 1.0             |                      |   |                            |  |   | 1.0  |   |  | 1.0   |                      |
| MACARTHUR HWY. & MCBEAN ST.                                      |                  |  |                  |                                   |                                    |                         |                         |                        | 1.0             |                      |   |                            |  |   | 1.0  |   |  |   |                      |
| MADISON AVE. & FAYETTE ST.                                       |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |   |  | 1.0   |                      |
| MADISON AVE. & HAMILTON BLVD.                                    |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |   |  |   |                      |
| MADISON AVE. & MAIN ST.  |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |   |  |   |                      |
| MAIN & GLENDALE ITS CABINET                                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   | 171.0                                    | 1.0   |                      |
| MAIN ST. & BOURLAND AVE.   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |   |  | 1.0   |                      |
| MAIN ST. & GLOBE ST.   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |   |  | 1.0   |                      |
| MAIN ST. & IL 8 (FARMINGTON RD.)                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |   |  | 1.0   |                      |
| MAIN ST. & MAPLEWOOD AVE.  |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |   |  | 1.0   |                      |
| MAIN ST. & SHERIDAN RD.  |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |   |  | 1.0   |                      |
| MAIN ST. FIBER OPTIC   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |   | 3300.0                                   |   |                      |

|             |                       |            |           |   |   |                           |             |        |              |           |  |
|-------------|-----------------------|------------|-----------|---|---|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = \$USERS   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>SCHEDULE OF QUANTITIES - CONTINUED</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| \$FILES     |                       | DRAWN -    | REVISED - |   |   | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 7         |  |
|             | PLOT SCALE = \$SCALES | CHECKED -  | REVISED - |   |   | CONTRACT NO. 68E20        |             |        |              |           |  |
|             | PLOT DATE = \$DATES   | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |             |        |              |           |  |

| LOCATION   | CODE             | 42400100                                 | 44000600         | 81028350                          | 81400700                           | 87900200                | 88500100                | X0320024               | X0326266        | X0326812             | X0326905  | X0327606                   | X0327741   | X8140225                                    | X8570215                                     | X8570226   | X8710030                                 | X8710050                                    | Z0033052             |
|--|------------------|--|------------------|-----------------------------------|------------------------------------|-------------------------|-------------------------|------------------------|-----------------|----------------------|---|----------------------------|--|---|--|--|--|---|----------------------|
|  | ITEM DESCRIPTION | PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH | SIDEWALK REMOVAL | UNDERGROUND CONDUIT, PVC, 2" DIA. | HANDHOLE, PORTLAND CEMENT CONCRETE | DRILL EXISTING HANDHOLE | INDUCTIVE LOOP DETECTOR | ETHERNET MANAGE SWITCH | ETHERNET SWITCH | CAT 5 ETHERNET CABLE | CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED | FIBER OPTIC SPLICE-LATERAL | ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY) | HANDHOLE PORTLAND CEMENT CONCRETE (SPECIAL) | FULL-ACTUATED CONTROLLER IN EXISTING CABINET | FULL-ACTUATED CONTROLLER AND TYPE I CABINET, SPECIAL | FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE | FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH | COMMUNICATIONS VAULT |
|  | UNIT             | SQ FT                                    | SQ FT            | FOOT                              | EACH                               | EACH                    | EACH                    | EACH                   | EACH            | FOOT                 | EACH  | EACH                       | EACH   | EACH  | EACH   | EACH   | FOOT                                     | EACH  | EACH                 |
| TOTAL QTY.   | 68.0             | 80.0                                     | 1545.0           | 1.0                               | 2.0                                | 2.0                     | 29.0                    | 73.0                   | 470.5           | 5.0                  | 5.0   | 1.0                        | 6.0  | 128.0                                       | 3.0  | 41508.5  | 133.0                                    | 19.0  |                      |
| MAXWELL RD. & FARMINGTON RD.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  |   |                      |
| MONROE ST. & FAYETTE ST.                                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  | 1.0   |                      |
| MONROE ST. & FULTON ST.                                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| MONROE ST. & HAMILTON BLVD.                                  |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| MONROE ST. & MAIN ST.  |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| MONROE ST. & SPALDING AVE.                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  | 1.0   |                      |
| MONROE ST. & SPRING ST.                                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| NORTH ST. & COLUMBIA TERRACE                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  | 1.0   |                      |
| NORTH ST. & MCCLURE  |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| NORTH ST. & NEBRASKA AVE.                                    |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| NORTH ST. & RICHMOND AVE.                                    |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| NORTHMOOD RD. & ROSEMEAD RD.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  |   |                      |
| PENNSYLVANIA & BERKELEY                                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| PERRY AVE. & FAYETTE ST.                                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  | 1.0   |                      |
| PERRY AVE. & SPALDING AVE.                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  | 1.0   |                      |
| PIONEER PARKWAY & HALE AVE./ PIONEER LN.                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  | 1.0   |                      |
| PIONEER PARKWAY & SOMMER ST.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| PROSPECT AVE. & FORREST HILL AVE.                            |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| PROSPECT AVE. & FRYE AVE.                                    |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| PROSPECT AVE. & LAKE AVE.                                    |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| PROSPECT AVE. & MCLURE AVE./ GLEN OAK PARK ENTRANCE          |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| PROSPECT AVE. & TRIPP AVE.                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| SCENIC AVE. & NORTHWOODS MALL ENTRANCE                       |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  | 1.0   |                      |
| SCENIC AVE. & ROCKWOOD DR.                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  | 1.0   |                      |
| SHERIDAN RD. & COLUMBIA TERRACE                              |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| SHERIDAN RD. & EVERGREEN SHOPPING CENTER / STONEGATE RD.     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| SHERIDAN RD. & FORREST HILL AVE.                             |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  | 1.0   |                      |
| SHERIDAN RD. & GLEN AVE.                                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| SHERIDAN RD. & LAKE AVE.                                     |                  |  |                  |                                   |                                    |                         |                         |                        | 1.0             | 1.0                  |   |                            |  |   |  |  |  |   |                      |
| SHERIDAN RD. & LOUCKS AVE.                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| SHERIDAN RD. & MCCLURE AVE.                                  |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |  |  |   |                      |
| SHERIDAN RD. & NEBRASKA AVE.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   |                      |
| SHERIDAN RD. & NORTHMOOR RD.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| SHERIDAN RD. & SHERIDAN VILLAGE                              |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |  |  |   |                      |
| SHERIDAN RD. FIBER OPTIC                                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  | 2.0   |  |  | 9852.0                                   |   | 4.0                  |
| SPALDING & GLENDALE ITS CABINET                              |                  |  |                  |                                   |                                    |                         |                         |                        | 1.0             |                      |   |                            |  |   |  |  | 239.0                                    |   |                      |
| STERLING AVE. & BAINTEER RD.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |  |  | 1.0   |                      |
| STERLING AVE. & FARMINGTON RD.                               |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |  |  |   |                      |
| STERLING AVE. & FORREST HILL AVE.                            |                  |  |                  |                                   |                                    |                         |                         |                        | 1.0             |                      | 118.5   | 1.0                        |  |   |  |  |  |   |                      |
| STERLING AVE. & GALE AVE. / RESERVOIR BLVD.                  |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |  |  |   |                      |
| STERLING AVE. & I-74 EB RAMPS                                |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  | 1.0   |  |  |  | 1.0   |                      |
| STERLING AVE. & I-74 WB RAMPS                                |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| STERLING AVE. & JAMES BAUMANN WAY / NORTHWOODS MALL ENTRANCE |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  | 1.0   |  |  |  | 1.0   |                      |
| STERLING AVE. & NEBRASKA AVE.                                |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| STERLING AVE. & NEWMAN PARKWAY                               |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| STERLING AVE. & RICHWOODS BLVD.                              |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |  |  |   |                      |
| STERLING AVE. & SCENIC DR.                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   | 72.0                       | 1.0  |   |  |  |  |   |                      |
| STERLING AVE. FIBER OPTIC                                    |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  | 6009.0                                   |   | 3.0                  |
| UNIVERSITY ST. & COLUMBIA TERRACE                            |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| UNIVERSITY ST. & FLORENCE AVE.                               |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| UNIVERSITY ST. & FORREST HILL AVE.                           |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |  |  |   |                      |
| UNIVERSITY ST. & GLEN AVE.                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   | 72.0                       | 1.0  |   |  |  |  | 1.0   |                      |
| UNIVERSITY ST. & I-74 EB RAMPS                               |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  | 1.0   |  |  |  | 1.0   |                      |
| UNIVERSITY ST. & I-74 WB RAMPS                               |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  | 1.0   |  |  |  | 1.0   |                      |
| UNIVERSITY ST. & ICC ENTRANCE                                |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| UNIVERSITY ST. & LAKE AVE.                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| UNIVERSITY ST. & MAIN ST.                                    |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  | 1.0   |  |  |  |   |                      |
| UNIVERSITY ST. & MARLENE AVE.                                |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  | 1.0   |  |  |  | 1.0   |                      |
| UNIVERSITY ST. & MCCLURE ST.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| UNIVERSITY ST. & MIRAMAR DR.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| UNIVERSITY ST. & MOSS AVE. / MACARTHUR HWY.                  |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| UNIVERSITY ST. & NEBRASKA AVE.                               |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| UNIVERSITY ST. & NORTHMOOR RD.                               |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  | 1.0   |                      |
| UNIVERSITY ST. & PIONEER PARKWAY                             |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   | 104.0                      | 1.0  |   |  |  |  | 1.0   |                      |
| UNIVERSITY ST. & ST. JAMES ST.                               |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   | 104.0                      | 1.0  |   |  |  |  | 1.0   |                      |

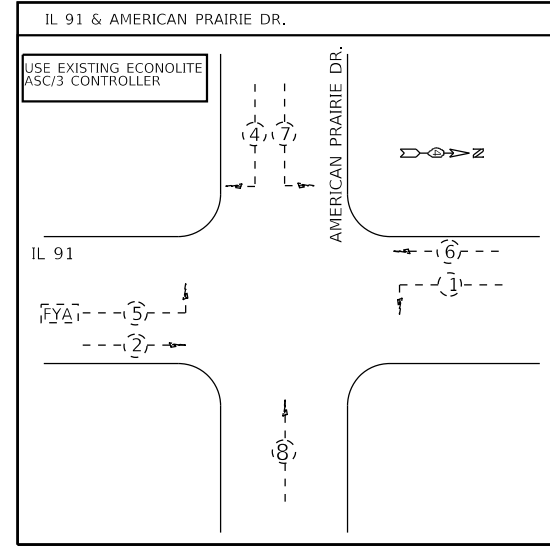
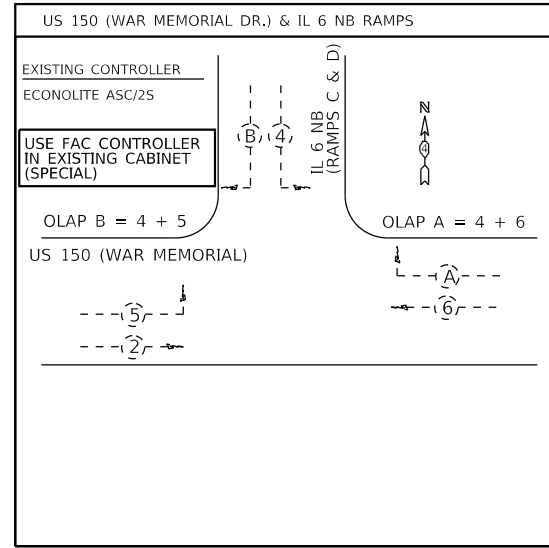
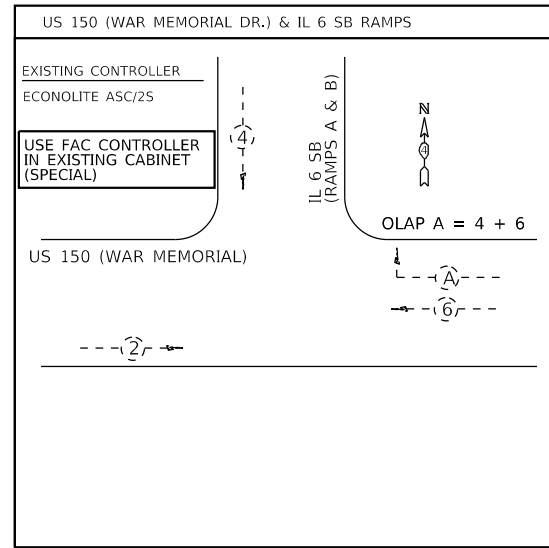
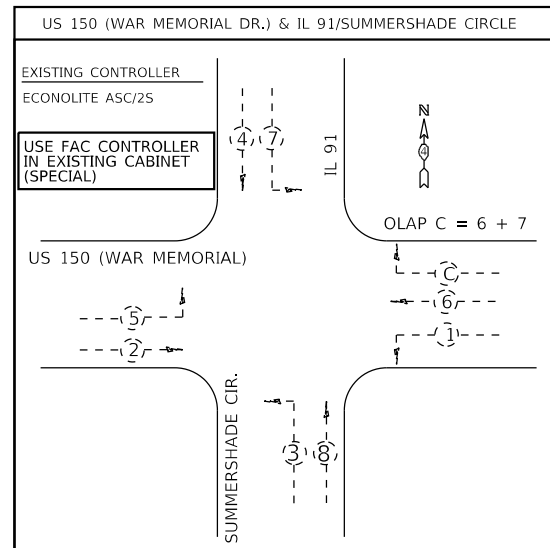
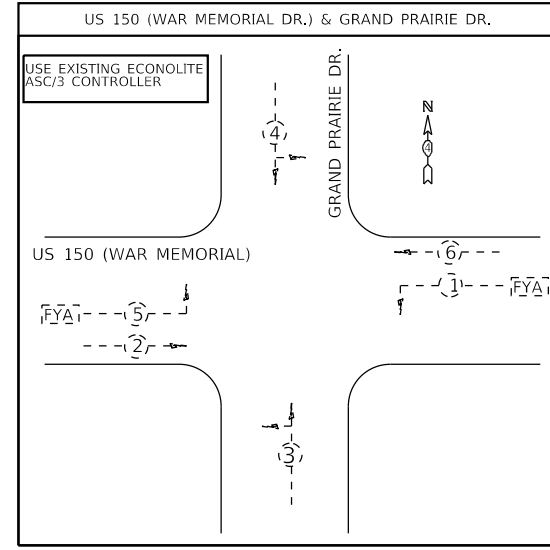
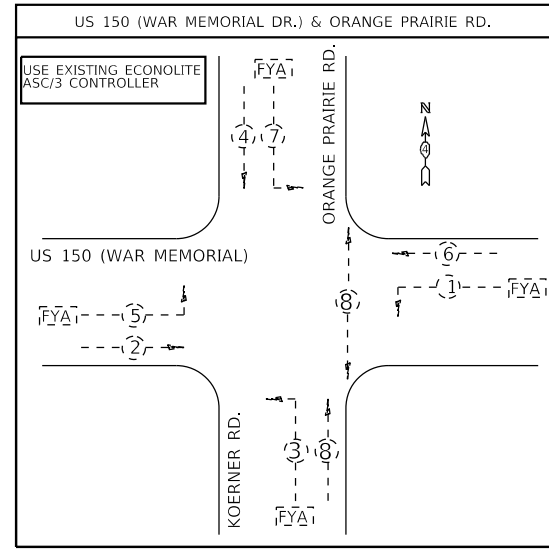
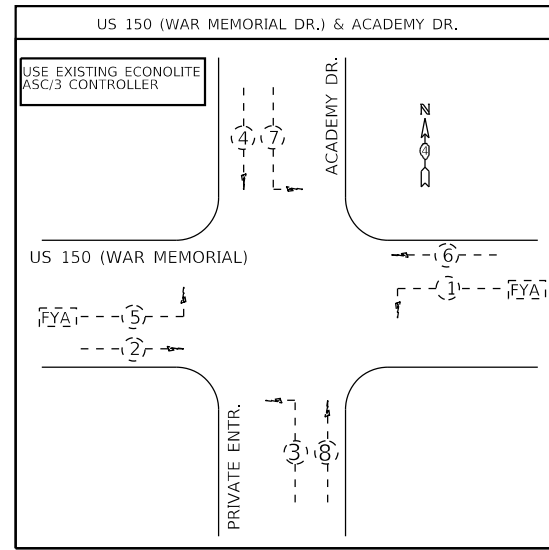
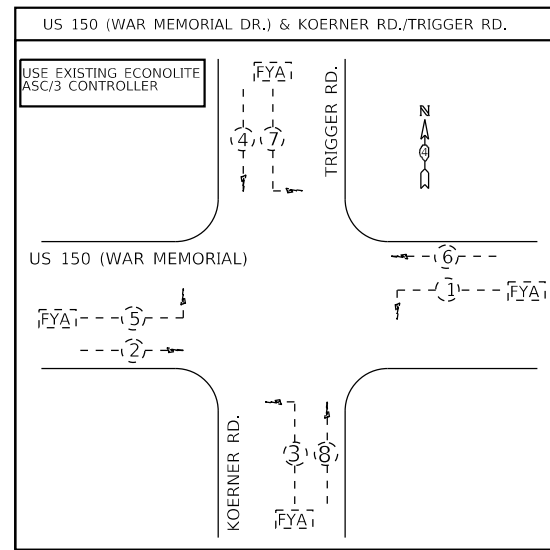
|                       |                     |            |           |   |   |                           |             |        |              |           |  |
|-----------------------|---------------------|------------|-----------|---|---|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME =           | USER NAME = \$USERS | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SCHEDULE OF QUANTITIES - CONTINUED</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| \$FILES               |                     | DRAWN -    | REVISED - |   |   | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 8         |  |
| PLOT SCALE = \$SCALES |                     | CHECKED -  | REVISED - |   |   | CONTRACT NO. 68E20        |             |        |              |           |  |
| PLOT DATE = \$DATES   |                     | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |             |        |              |           |  |

| LOCATION   | CODE             | 42400100                                 | 44000600         | 81028350                          | 81400700                           | 87900200                | 88500100                | X0320024               | X0326266        | X0326812             | X0326905  | X0327606                   | X0327741   | X8140225                                    | X8570215                                     | X8570226   | X8710030                                 | X8710050                                    | Z0033052             |
|--|------------------|--|------------------|-----------------------------------|------------------------------------|-------------------------|-------------------------|------------------------|-----------------|----------------------|---|----------------------------|--|---|--|--|--|---|----------------------|
|  | ITEM DESCRIPTION | PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH | SIDEWALK REMOVAL | UNDERGROUND CONDUIT, PVC, 2" DIA. | HANDHOLE, PORTLAND CEMENT CONCRETE | DRILL EXISTING HANDHOLE | INDUCTIVE LOOP DETECTOR | ETHERNET MANAGE SWITCH | ETHERNET SWITCH | CAT 5 ETHERNET CABLE | CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED | FIBER OPTIC SPLICE-LATERAL | ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY) | HANDHOLE PORTLAND CEMENT CONCRETE (SPECIAL) | FULL-ACTUATED CONTROLLER IN EXISTING CABINET | FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL | FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE | FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH | COMMUNICATIONS VAULT |
|  | UNIT             | SQ FT                                    | SQ FT            | FOOT                              | EACH                               | EACH                    | EACH                    | EACH                   | EACH            | FOOT                 | EACH  | EACH                       | EACH   | EACH  | EACH   | EACH   | FOOT                                     | EACH  | EACH                 |
| TOTAL QTY.   | 68.0             | 80.0                                     | 1545.0           | 1.0                               | 2.0                                | 2.0                     | 29.0                    | 73.0                   | 470.5           | 5.0                  | 5.0   | 1.0                        | 6.0  | 123.0                                       | 3.0  | 41508.5  | 133.0                                    | 19.0  |                      |
| UNIVERSITY ST. & WALMART ENTRANCE / ALDIS ENTRANCE             |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  |   |                      |
| UNIVERSITY ST. & WILLOW KNOLLS DR.                             |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  |   |                      |
| UNIVERSITY ST. FIBER OPTIC                                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            | 4.0  |   |  |  | 9819.0                                   |   | 5.0                  |
| US 150 (WAR MEMORIAL DR.) & ACADEMY DR.                        |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  |   |                      |
| US 150 (WAR MEMORIAL DR.) & ALLEN RD. / CHARTER OAK RD.        |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & BIG HOLLOW RD. / WILLOW KNOLLS RD. |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   |  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & BRANDYWINE DR. / MEADOWBROOK RD.   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & BRANDYWINE DR. / SCENIC DR.        |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & FROSTWOOD PARKWAY                  |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & GLEN AVE. / STERLING AVE.          |                  |  |                  |                                   |                                    |                         |                         | 1.0                    |                 |                      |   |                            |  |   |  | 1.0  |  |   |                      |
| US 150 (WAR MEMORIAL DR.) & GLEN HOLLOW                        |                  |  |                  |                                   |                                    |                         |                         |                        | 1.0             |                      |   |                            | 1.0  |   | 1.0  |  | 160.5                                    |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & GRAND BLVD.                        |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            | 1.0  |   |  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & GRAND PRAIRIE DR.                  |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & IL 6 NB RAMPS                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & IL 6 SB RAMPS                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & IL 91 / SUMMERSHADE CIRCLE         |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   |                      |
| US 150 (WAR MEMORIAL DR.) & KOERNER RD./TRIGGER RD.            |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & MONROE AVE. / CENTRAL AVE.         |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  | 1.0   |  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & MOUNTELLO DR.                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  | 1.0   |  |  | 193.0                                    |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & NORTHLAND AVE.                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & ORANGE PRAIRIE RD.                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & PROSPECT RD.                       |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |  |  |   |                      |
| US 150 (WAR MEMORIAL DR.) & SHERIDAN RD.                       |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |  |  |   |                      |
| US 150 (WAR MEMORIAL DR.) & UNIVERSITY ST.                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   |  |  |  |   |                      |
| US 150 (WAR MEMORIAL DR.) & WILLOW KNOLLS CT. / BARING TRACE   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| US 150 (WAR MEMORIAL DR.) & WISCONSIN AVE. / BOULEVARD AVE.    |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   |  |  |  |   | 1.0                  |
| US 24 (WASHINGTON ST.) & CASS ST.                              |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| US 24 (WASHINGTON ST.) & EDMUND ST.                            |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| US 24 (WASHINGTON ST.) & IL 8/116 (MACARTHUR HWY.)             |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| US 24 (WASHINGTON ST.) & SOUTH ST.                             |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| WASHINGTON ST. & EATON ST./ I-74 WB ENTRANCE RAMP              |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| WASHINGTON ST. & I-74 EB EXIT RAMP                             |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| WASHINGTON ST. & LIBERTY ST.                                   |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| WASHINGTON ST. & MAIN ST.                                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 | 1.0                  |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| WASHINGTON ST. & PERSIMMON ST.                                 |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| WASHINGTON ST. & STATE ST.                                     |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |
| WESTERN AVE. & ADAMS ST.                                       |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   |                      |
| WESTERN AVE. & GARDEN ST.                                      |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   |                      |
| WESTERN AVE. & JEFFERSON AVE.                                  |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   |                      |
| WESTERN AVE. & STARR ST.                                       |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   |                      |
| WESTERN AVE. FIBER OPTIC                                       |                  | 68.0                                     | 80.0             | 1545.0                            | 1.0                                | 2.0                     |                         |                        |                 |                      |   |                            |  |   |  |  | 6225.0                                   |   | 4.0                  |
| WILLOW KNOLLS RD & RADNOR RD.                                  |                  |  |                  |                                   |                                    |                         |                         |                        |                 |                      |   |                            |  |   | 1.0  |  |  |   | 1.0                  |









IL 91 & AMERICAN PRAIRIE DR.

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

US 150 & KOERNER/TRIGGER RD.

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

US 150 & ACADEMY DR.

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

US 150 & ORANGE PRAIRIE DR.

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

US 150 & GRAND PRAIRIE DR.

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

US 150 & IL 91 / SUMMERSHADE CIRCLE

INSTALL NEW CONTROLLER IN EX. CABINET

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 3  
ETHERNET MANAGE SWITCH

US 150 & IL 6 SB RAMPS

INSTALL NEW CONTROLLER IN EX. CABINET

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

US 150 & IL 6 NB RAMPS

INSTALL NEW CONTROLLER IN EX. CABINET

USE EX. TERMINATED MULTI-MODE FIBER

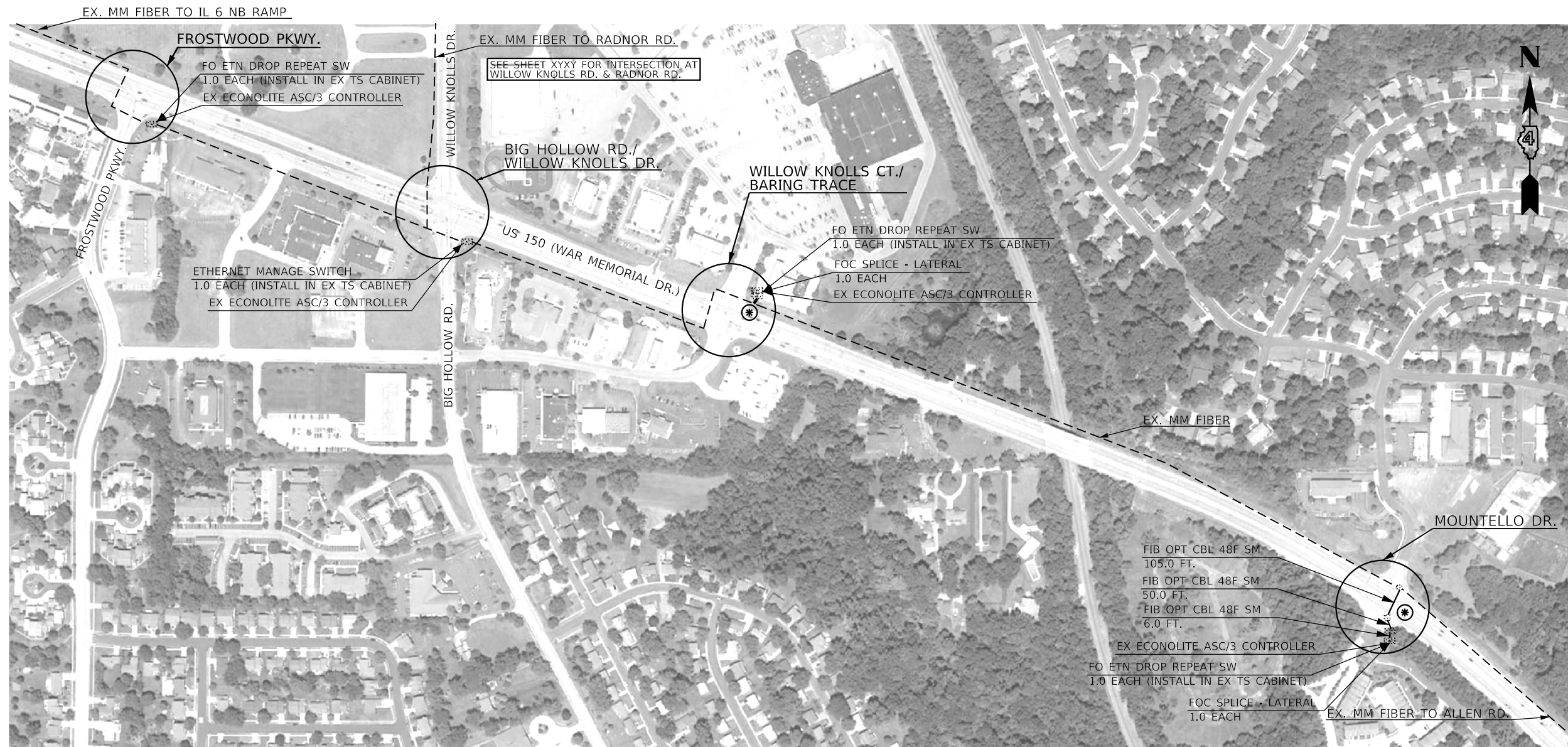
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NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

EX. SM FIBER  
TO DRIES LANE

NOT TO SCALE

|                     |                        |            |           |   |  |                           |             |        |              |           |  |
|---------------------|------------------------|------------|-----------|---|--|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>US 150 (WAR MEMORIAL) FROM KOERNER/TRIGGER TO IL 6 NB RAMPS</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALE\$ | DRAWN -    | REVISED - |   |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 11        |  |
|                     | PLOT DATE = \$DATE\$   | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                        | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



| BILL OF MATERIALS                           |      |          |
|---|------|----------|
| ITEM DESCRIPTION                            | UNIT | QUANTITY |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH | EACH | 3.0      |
| ETHERNET MANAGE SWITCH                      | EACH | 1.0      |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE    | FOOT | 193.0    |
| FIBER OPTIC SPLICE-LATERAL                  | EACH | 2.0      |

| FIBER OPTIC CABLE SLACK         |
|---------------------------------|
| HANDHOLE: 10.0 FT.              |
| DOUBLE HANDHOLE: 30.0 FT.       |
| COMM. VAULT: 100.0 FT.          |
| JUNCTION BOX: 10.0 FT.          |
| ITS OR SIGNAL CABINET: 10.0 FT. |

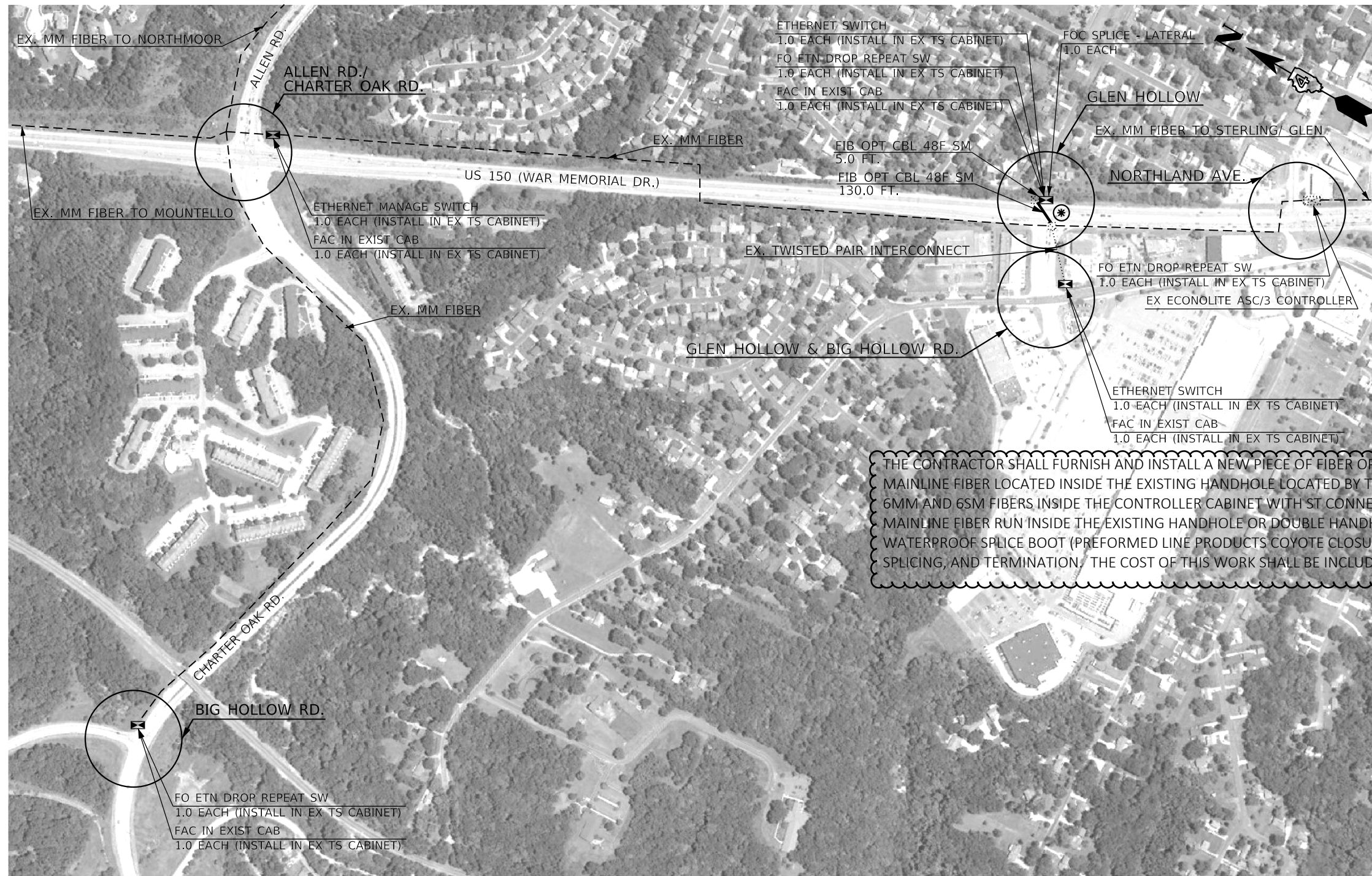
THE CONTRACTOR SHALL FURNISH AND INSTALL A NEW PIECE OF FIBER OPTIC CABLE (CABLE PAID FOR SEPARATELY) FROM THE CONTROLLER CABINET TO THE EXISTING MAINLINE FIBER LOCATED INSIDE THE EXISTING HANDHOLE LOCATED BY THE CONTROLLER CABINET. THE CONTRACTOR SHALL TERMINATE 6MM AND 6SM FIBERS INSIDE THE CONTROLLER CABINET WITH ST CONNECTORS AND LATERALLY SPLICE THESE FIBERS INTO THE EXISTING MAINLINE FIBER RUN INSIDE THE EXISTING HANDHOLE OR DOUBLE HANDHOLE. THE CONTRACTOR SHALL FURNISH AND INSTALL A SEALED WATERPROOF SPLICE BOOT (PERFORMED LINE PRODUCTS COYOTE CLOSURE) AND ALL OTHER ITEMS REQUIRED FOR FIBER INSTALLATION, SPLICING, AND TERMINATION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE FOR FIBER OPTIC SPLICE - LATERAL.

| ITEM DESCRIPTION                            | QTY. | SCHEDULE OF QUANTITIES                        |  |  |   |                           |
|---|------|---|--|--|---|---------------------------|
|   |      | US 150 (WAR MEMORIAL DR.) & FROSTWOOD PARKWAY | US 150 (WAR MEMORIAL DR.) & BIG HOLLOW RD. / WILLOW KNOLLS RD. | US 150 (WAR MEMORIAL DR.) & WILLOW KNOLLS CT. / BARING TRACE | US 150 (WAR MEMORIAL DR.) & MOUNTELLO DR. | US 150 (WAR MEMORIAL DR.) |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH | EACH | 1.0   |  | 1.0  | 1.0                                       |                           |
| ETHERNET MANAGE SWITCH                      | EACH |   | 1.0  |  |   |                           |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE    | FOOT |   |  |  |   | 193.0                     |
| FIBER OPTIC SPLICE - LATERAL                | EACH |   |  | 1.0  | 1.0                                       |                           |

| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
|                       | EX. TRAFFIC SIGNAL CONTROLLER AND CABINET          |
|                       | EX. DOUBLE HANDHOLE                                |
|                       | EX. HANDHOLE                                       |
|                       | EX. MULTI-MODE FIBER                               |
|                       | EX. TWISTED PAIR INTERCONNECT                      |
|                       | PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET     |
|                       | PROP. LATERAL FIBER SPLICE INTO EX. MAINLINE FIBER |
|                       | PROP. SINGLE-MODE FIBER                            |

NOT TO SCALE

|             |                     |            |           |   |  |                           |             |        |              |           |  |
|-------------|---------------------|------------|-----------|---|--|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = \$USERS | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED IMPROVEMENTS ALONG US 150 (WAR MEMORIAL DR.)<br/>FROM FROSTWOOD TO MOUNTELLO</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| \$FILES     |                     | DRAWN -    | REVISED - |   |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 12        |  |
|             |                     | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20        |             |        |              |           |  |
|             |                     | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



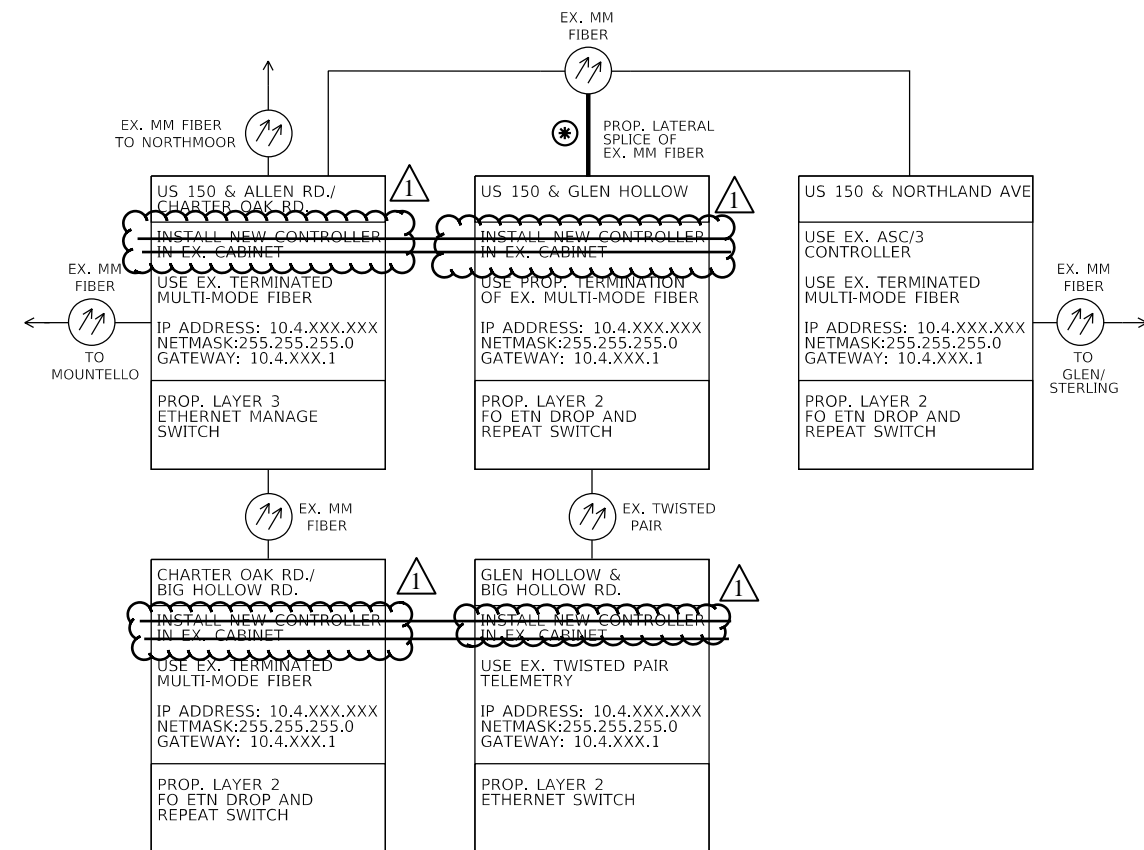
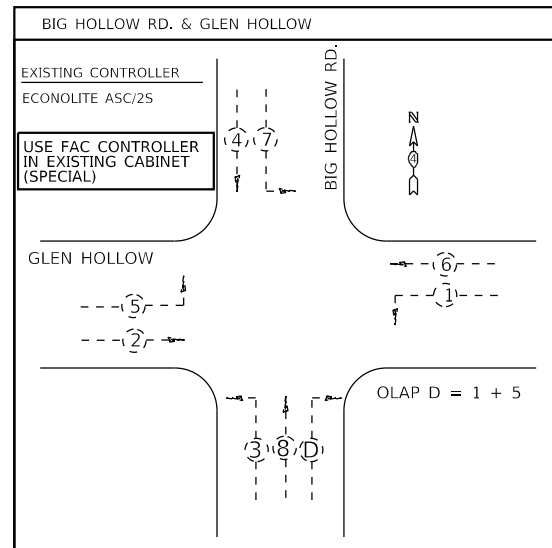
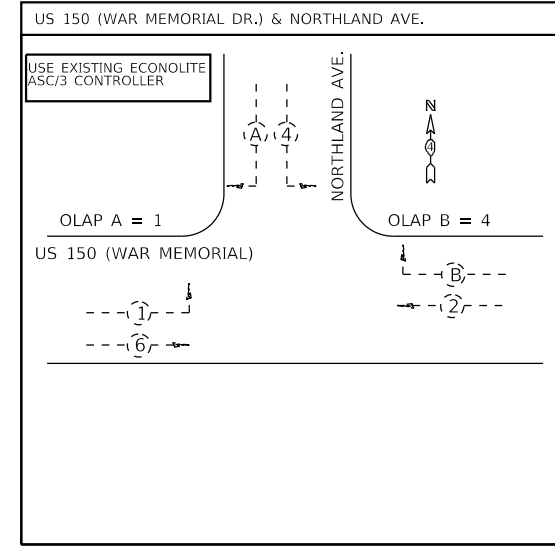
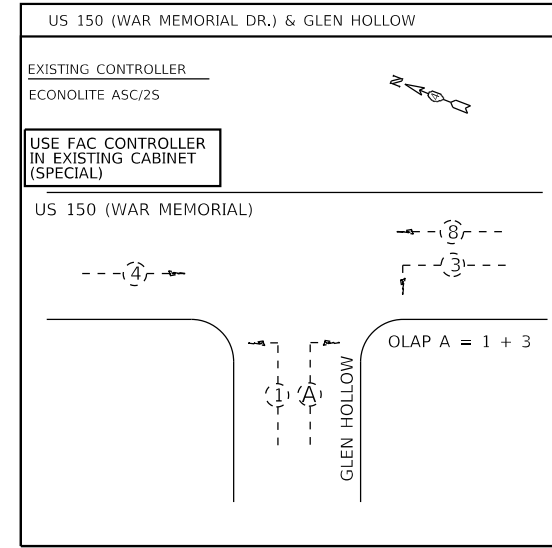
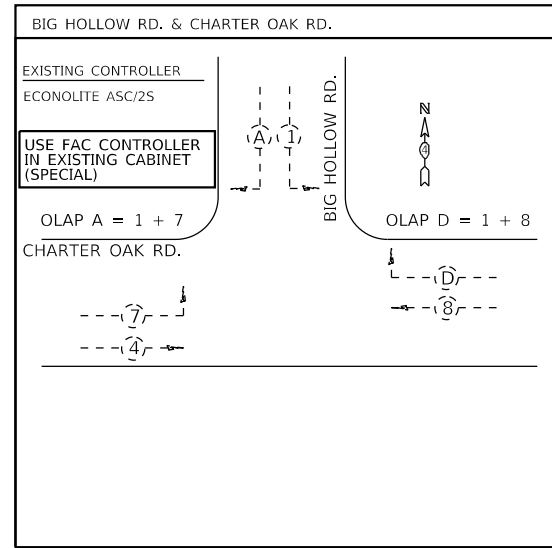
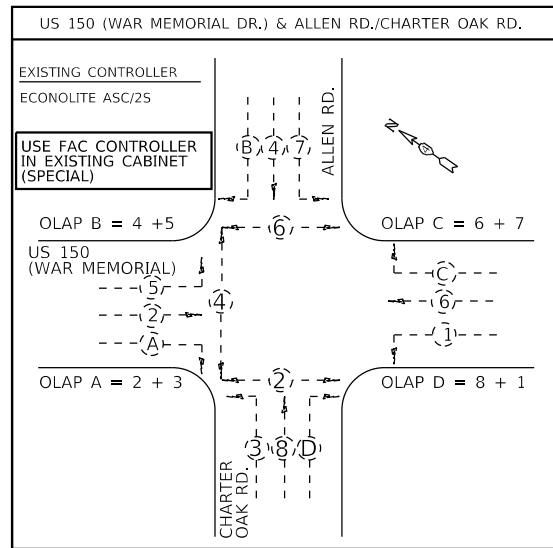
THE CONTRACTOR SHALL FURNISH AND INSTALL A NEW PIECE OF FIBER OPTIC CABLE FROM THE CONTROLLER CABINET TO THE EXISTING MAINLINE FIBER LOCATED INSIDE THE EXISTING HANDHOLE LOCATED BY THE CONTROLLER CABINET. THE CONTRACTOR SHALL TERMINATE 6MM AND 6SM FIBERS INSIDE THE CONTROLLER CABINET WITH ST CONNECTORS AND LATERALLY SPLICE THESE FIBERS INTO THE EXISTING MAINLINE FIBER RUN INSIDE THE EXISTING HANDHOLE OR DOUBLE HANDHOLE. THE CONTRACTOR SHALL FURNISH AND INSTALL A SEALED WATERPROOF SPLICE BOOT (PERFORMED LINE PRODUCTS COYOTE CLOSURE) AND ALL OTHER ITEMS REQUIRED FOR FIBER INSTALLATION, SPLICING, AND TERMINATION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE FOR FIBER OPTIC SPLICE - LATERAL.

| FIBER OPTIC CABLE SLACK |           |
|-------------------------|-----------|
| HANDHOLE:               | 10.0 FT.  |
| DOUBLE HANDHOLE:        | 30.0 FT.  |
| COMM. VAULT:            | 100.0 FT. |
| JUNCTION BOX:           | 10.0 FT.  |
| ITS OR SIGNAL CABINET:  | 10.0 FT.  |

| BILL OF MATERIALS                                      |      |          |
|--|------|----------|
| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 4.0      |
| ETHERNET MANAGE SWITCH                                 | EACH | 1.0      |
| ETHERNET SWITCH  | EACH | 2.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 3.0      |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE               | FOOT | 160.5    |
| FIBER OPTIC SPLICE-LATERAL                             | EACH | 1.0      |

| SCHEDULE OF QUANTITIES                                 |      |   |   |  |                                  |                                  |                           |
|--|------|---|---|--|----------------------------------|----------------------------------|---------------------------|
| ITEM DESCRIPTION                                       | QTY. | US 150 (WAR MEMORIAL DR.) & ALLEN RD. / CHARTER OAK RD. | US 150 (WAR MEMORIAL DR.) & GLEN HOLLOW | US 150 (WAR MEMORIAL DR.) & NORTHLAND AVE. | BIG HOLLOW RD. & GLEN HOLLOW RD. | BIG HOLLOW RD. & CHARTER OAK RD. | US 150 (WAR MEMORIAL DR.) |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0   | 1.0                                     |  | 1.0                              | 1.0                              |                           |
| ETHERNET MANAGE SWITCH                                 | EACH | 1.0   |   |  |                                  |                                  |                           |
| ETHERNET SWITCH  | EACH |   |   | 1.0  | 1.0                              |                                  |                           |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH |   | 1.0                                     | 1.0  |                                  | 1.0                              |                           |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE               | FOOT |   |   |  |                                  |                                  | 160.5                     |
| FIBER OPTIC SPLICE - LATERAL                           | EACH |   | 1.0                                     |  |                                  |                                  |                           |

| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
|                       | EX. TRAFFIC SIGNAL CONTROLLER AND CABINET          |
|                       | EX. MULTI-MODE FIBER                               |
|                       | EX. TWISTED PAIR INTERCONNECT                      |
|                       | PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET     |
|                       | PROP. LATERAL FIBER SPLICE INTO EX. MAINLINE FIBER |



NOT TO SCALE

|                     |                        |            |           |   |  |                           |             |        |              |           |  |
|---------------------|------------------------|------------|-----------|---|--|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>US 150 (WAR MEMORIAL) FROM ALLEN/CHARTER OAK TO NORTHLAND</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALE\$ | DRAWN -    | REVISED - |   |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 15        |  |
|                     | PLOT DATE = \$DATE\$   | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                        | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



**BILL OF MATERIALS**

| ITEM DESCRIPTION  | UNIT            | QUANTITY       |
|---|-----------------|----------------|
| <del>FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL</del>  | <del>EACH</del> | <del>2.0</del> |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>1.0</del> |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            | 2.0            |
| ETHERNET MANAGE SWITCH  | EACH            | 3.0            |



**SCHEDULE OF QUANTITIES**

| ITEM DESCRIPTION  | QTY.            | US 150 (WAR MEMORIAL DR.) & GLEN AVE. / STERLING AVE. | US 150 (WAR MEMORIAL DR.) & BRANDYWINE DR. / SCENIC DR. | US 150 (WAR MEMORIAL DR.) & BRANDYWINE DR. / MEADOWBROOK RD. | US 150 (WAR MEMORIAL DR.) & UNIVERSITY ST. | US 150 (WAR MEMORIAL DR.) & SHERIDAN RD. |
|---|-----------------|---|---|--|--|--|
| <del>FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL</del>  | <del>EACH</del> | <del>1.0</del>  |   |  |  | <del>1.0</del>                           |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> |   | <del>1.0</del>  |  |  |  |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            |   | 1.0   | 1.0  |  |  |
| ETHERNET MANAGE SWITCH  | EACH            | 1.0   |   |  | 1.0  | 1.0                                      |

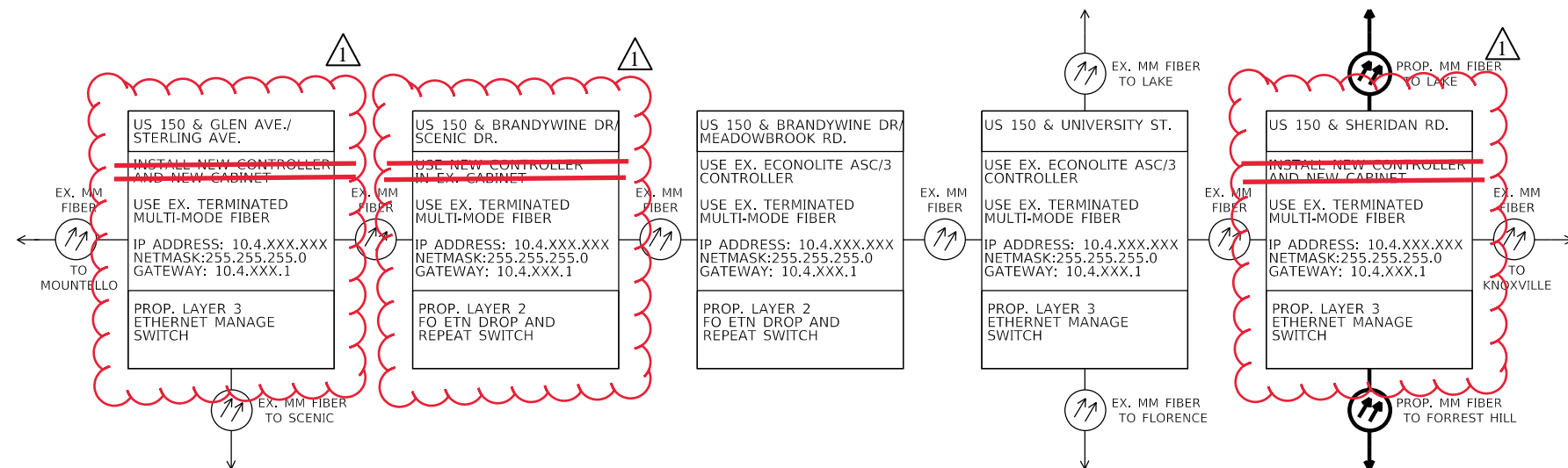
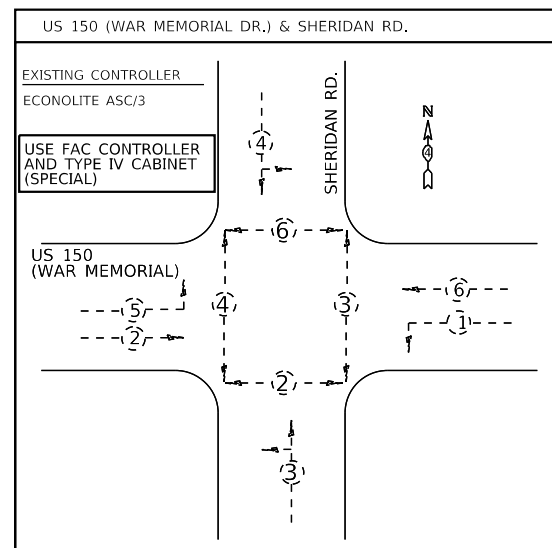
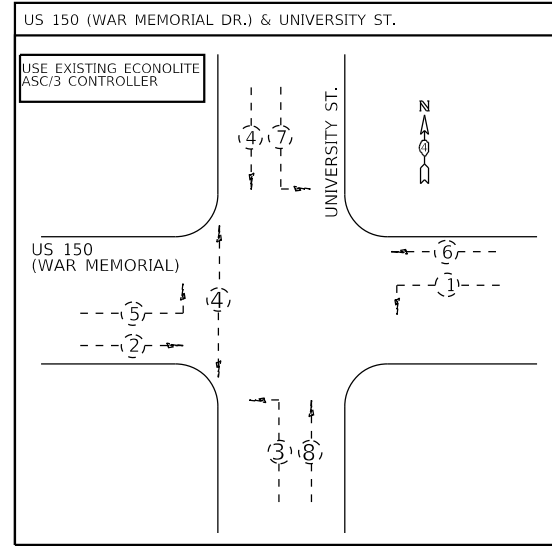
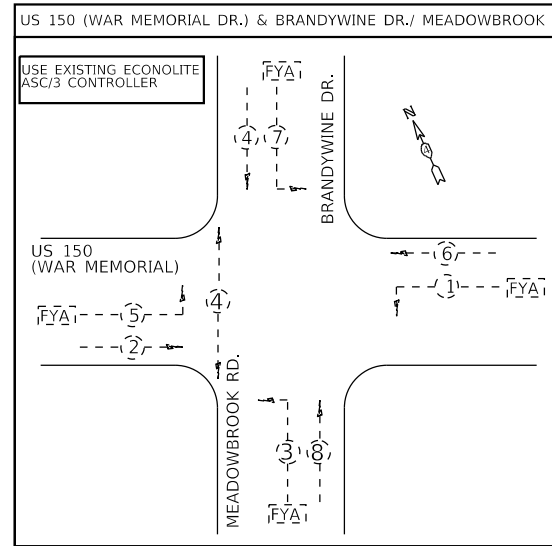
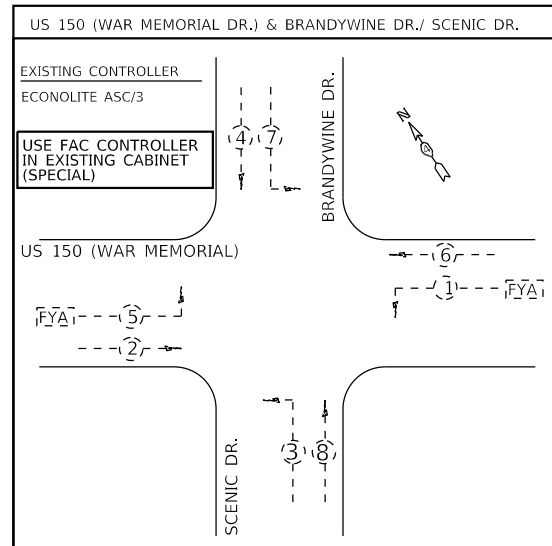
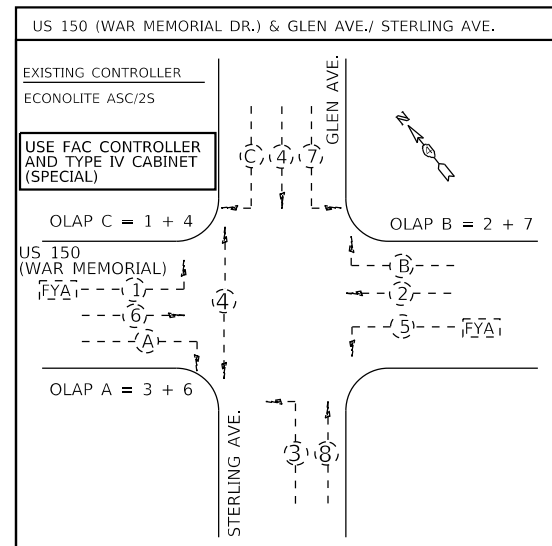


**TRAFFIC SIGNAL LEGEND**

- EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
- EX. MULTI-MODE FIBER
- PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
- PROP. TRAFFIC SIGNAL CONTROLLER AND CABINET

NOT TO SCALE

|             |                     |            |           |   |   |                           |             |        |              |           |  |
|-------------|---------------------|------------|-----------|---|---|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = \$USERS | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED IMPROVEMENTS ALONG US 150 (WAR MEMORIAL DR.)<br/>FROM GLEN/STERLING TO SHERIDAN</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| \$FILES     |                     | DRAWN -    | REVISED - |   |   | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 16        |  |
|             |                     | CHECKED -  | REVISED - |   |   | CONTRACT NO. 68E20        |             |        |              |           |  |
|             |                     | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



NOT TO SCALE

|                     |                       |            |           |   |   |                           |             |        |              |           |  |
|---------------------|-----------------------|------------|-----------|---|---|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>US 150 (WAR MEMORIAL) FROM GLEN/STERLING TO SHERIDAN</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALES | DRAWN -    | REVISED - |   |   | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 17        |  |
|                     | PLOT DATE = \$DATES   | CHECKED -  | REVISED - |   |   | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                       | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



| BILL OF MATERIALS   |                 |                |
|---|-----------------|----------------|
| ITEM DESCRIPTION  | UNIT            | QUANTITY       |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>1.0</del> |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            | 3.0            |
| ETHERNET MANAGE SWITCH  | EACH            | 3.0            |
| ETHERNET SWITCH   | EACH            | 3.0            |
| FIBER OPTIC SPLICE-MAINLINE <b>LATERAL</b>                        | EACH            | 2.0            |

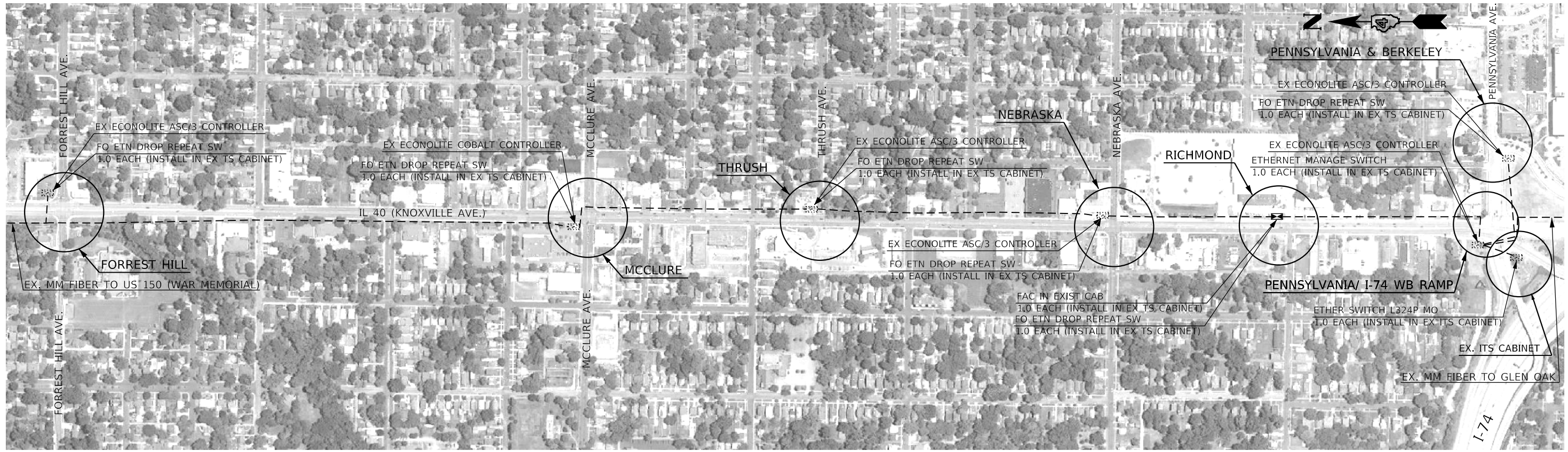
THE CONTRACTOR SHALL FURNISH AND INSTALL A NEW PIECE OF FIBER OPTIC CABLE FROM THE CONTROLLER CABINET TO THE EXISTING MAINLINE FIBER LOCATED INSIDE THE EXISTING HANDHOLE LOCATED BY THE CONTROLLER CABINET. THE CONTRACTOR SHALL TERMINATE 6MM AND 6SM FIBERS INSIDE THE CONTROLLER CABINET WITH ST CONNECTORS AND LATERALLY SPLICE THESE FIBERS INTO THE EXISTING MAINLINE FIBER RUN INSIDE THE EXISTING HANDHOLE OR DOUBLE HANDHOLE. THE CONTRACTOR SHALL FURNISH AND INSTALL A SEALED WATERPROOF SPLICE BOOT (PREFORMED LINE PRODUCTS COYOTE CLOSURE) AND ALL OTHER ITEMS REQUIRED FOR FIBER INSTALLATION, SPLICING, AND TERMINATION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE FOR FIBER OPTIC SPLICE - LATERAL.

| SCHEDULE OF QUANTITIES  |                 |  |   |  |  |   |                                    |                                    |                                  |
|---|-----------------|--|---|--|--|---|------------------------------------|------------------------------------|----------------------------------|
| ITEM DESCRIPTION  | QTY.            | US 150 (WAR MEMORIAL DR.) & IL 40 (KNOXVILLE AVE.) | US 150 (WAR MEMORIAL DR.) & WISCONSIN AVE. / BOULEVARD AVE. | US 150 (WAR MEMORIAL DR.) & MONROE AVE. / CENTRAL AVE. | US 150 (WAR MEMORIAL DR.) & PROSPECT RD. | US 150 (WAR MEMORIAL DR.) & GRAND BLVD. | US 150 EB & IL 29 (ADAMS ST.) RAMP | US 150 WB & IL 29 (ADAMS ST.) RAMP | IL 29 (ADAMS ST.) & LORENTZ AVE. |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> |  |   |  |  |   | 1.0                                |                                    |                                  |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            |  | 1.0   | 1.0  |  | 1.0                                     |                                    |                                    |                                  |
| ETHERNET MANAGE SWITCH  | EACH            | 1.0  |   |  | 1.0                                      |   |                                    |                                    |                                  |
| ETHERNET SWITCH   | EACH            |  |   |  |  |   | 1.0                                | 1.0                                | 1.0                              |
| FIBER OPTIC SPLICE-MAINLINE <b>LATERAL</b>                        | EACH            |  |   | 1.0  |  | 1.0                                     |                                    |                                    |                                  |

| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
|                       | EX. TRAFFIC SIGNAL CONTROLLER AND CABINET          |
|                       | EX. MULTI-MODE FIBER                               |
|                       | EX. TWISTED PAIR INTERCONNECT                      |
|                       | PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET     |
|                       | PROP. LATERAL FIBER SPLICE INTO EX. MAINLINE FIBER |







| BILL OF MATERIALS                                      |      |          |
|--|------|----------|
| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 6.0      |
| ETHERNET MANAGE SWITCH                                 | EACH | 1.0      |
| ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY)     | EACH | 1.0      |

| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
|                       | EX. TRAFFIC SIGNAL CONTROLLER AND CABINET      |
|                       | EX. MULTI-MODE FIBER                           |
|                       | PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET |

| SCHEDULE OF QUANTITIES                                 |      |  |                                       |                                      |  |  |  |                                   |  |
|--|------|--|---------------------------------------|--------------------------------------|--|--|--|-----------------------------------|--|
| ITEM DESCRIPTION                                       | QTY. | IL 40 (KNOXVILLE AVE.) & FORREST HILL AVE. | IL 40 (KNOXVILLE AVE.) & MCCLURE AVE. | IL 40 (KNOXVILLE AVE.) & THRUSH AVE. | IL 40 (KNOXVILLE AVE.) & NEBRASKA AVE. | IL 40 (KNOXVILLE AVE.) & RICHMOND AVE. | IL 40 (KNOXVILLE AVE.) & PENNSYLVANIA AVE. / I-74 WB RAMPS | PENNSYLVANIA AVE. & BERKELEY AVE. | IL 40 (KNOXVILLE AVE.) & PENNSYLVANIA AVE. EX. ITS CABINET |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH |  |                                       |                                      |  | 1.0                                    |  |                                   |  |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 1.0  | 1.0                                   | 1.0                                  | 1.0                                    | 1.0                                    |  | 1.0                               |  |
| ETHERNET MANAGE SWITCH                                 | EACH |  |                                       |                                      |  |  | 1.0  |                                   |  |
| ETHERNET SWITCH, LAYER 3, 24 PORTS (MATERIAL ONLY)     | EACH |  |                                       |                                      |  |  |  |                                   | 1.0  |

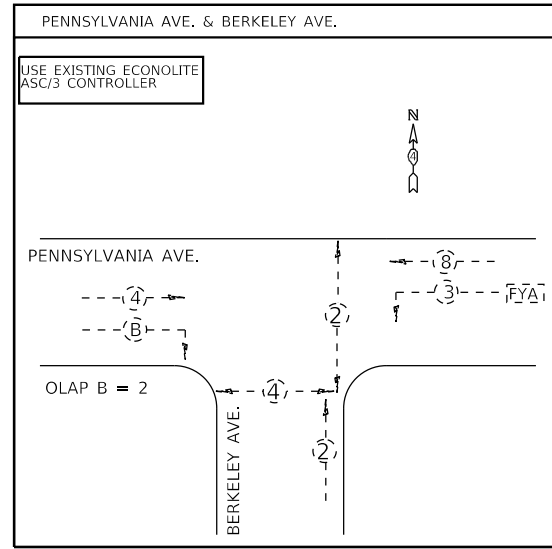
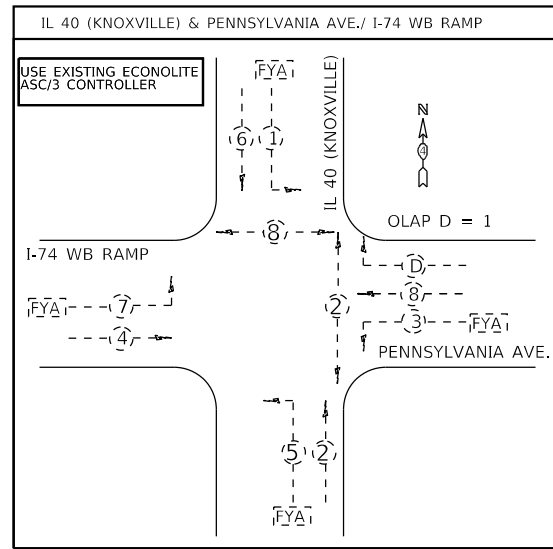
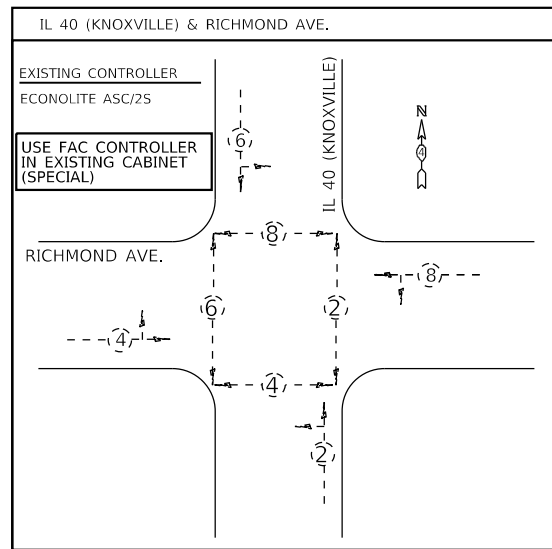
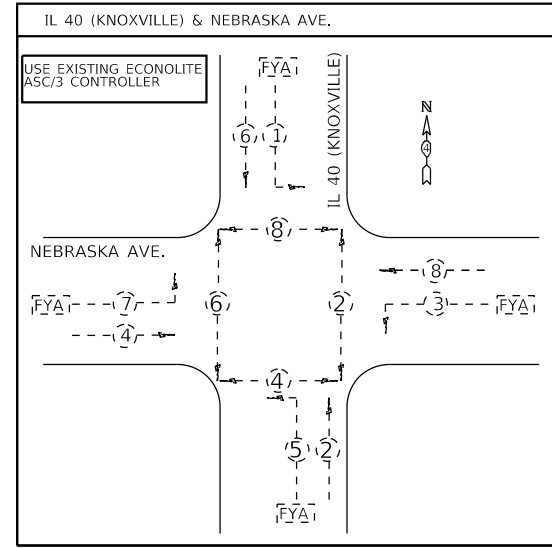
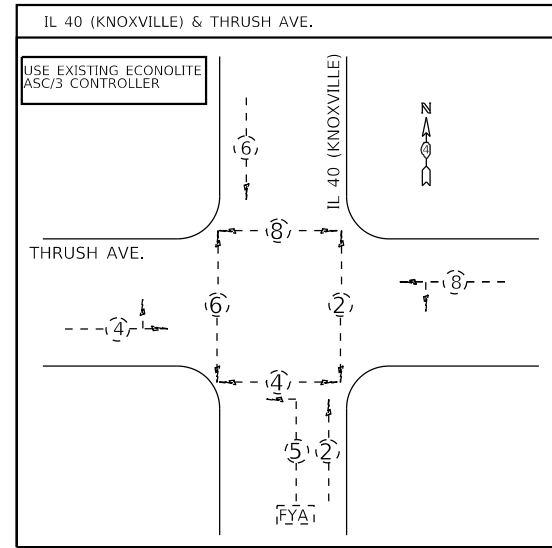
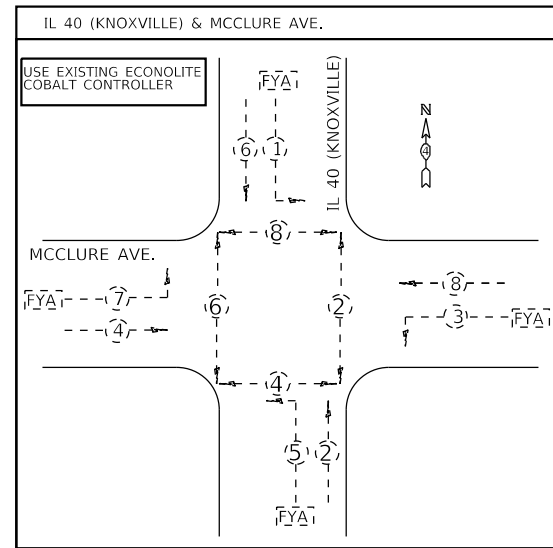
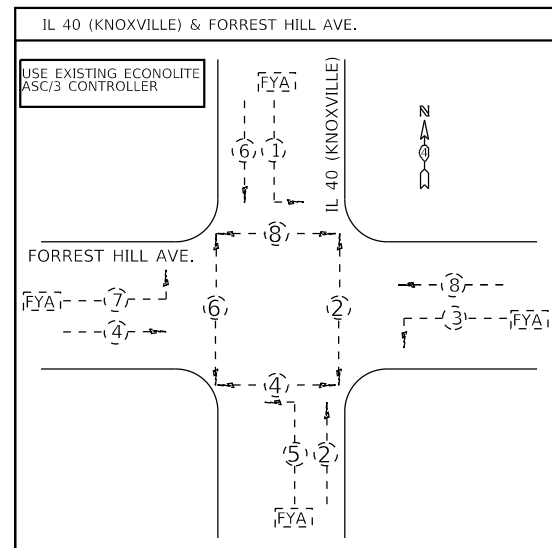
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| FILE NAME = | USER NAME = \$USERS | DESIGNED - | REVISED - |
| \$FILES     |                     | DRAWN -    | REVISED - |
|             |                     | CHECKED -  | REVISED - |
|             |                     | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED IMPROVEMENTS ALONG IL 40 (KNOXVILLE AVE.)  
FROM PROSPECT RD. TO LAKE AVE.

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 26        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

NOT TO SCALE



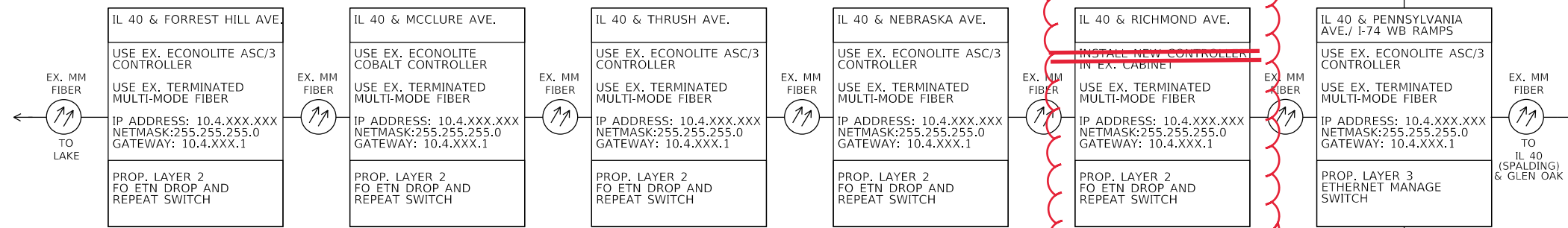
PENNSYLVANIA AVE. & BERKELEY AVE.

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH



IL 40 & PENNSYLVANIA EXISTING ITS

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 3 24 PORT MANAGED SWITCH (MAT'L ONLY)

NOT TO SCALE

|                     |                        |            |           |   |   |                           |             |        |              |           |  |
|---------------------|------------------------|------------|-----------|---|---|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>IL 40 (KNOXVILLE) FROM PROSPECT RD. TO LAKE AVE.</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALE\$ | DRAWN -    | REVISED - |   |   | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 27        |  |
|                     | PLOT DATE = \$DATE\$   | CHECKED -  | REVISED - |   |   | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                        | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



SEE SHEET 79 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG UNIVERSITY ST. FROM PIONEER PARKWAY TO MIRARMAR DR.

SEE SHEET 80 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG UNIVERSITY ST. FROM ICC ENTRANCE TO GLEN AVE.

1

| BILL OF MATERIALS                                      |      |          |
|--|------|----------|
| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 8.0      |

FIBER OPTIC CABLE SLACK  
 HANDHOLE: 10.0 FT.  
 DOUBLE HANDHOLE: 30.0 FT.  
 COMM. VAULT: 100.0 FT.  
 JUNCTION BOX: 10.0 FT.  
 ITS OR SIGNAL CABINET: 10.0 FT.

SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION                                       | QTY. | UNIVERSITY ST. & PIONEER PARKWAY | UNIVERSITY ST. & WILLOW KNOLLS DR. | UNIVERSITY ST. & MIRAMAR DR. | UNIVERSITY ST. & NORTHMOOR RD. | UNIVERSITY ST. & ICC ENTRANCE | UNIVERSITY ST. & GLEN AVE. | UNIVERSITY ST. & MARLENE AVE. | UNIVERSITY ST. & LAKE AVE. |
|--|------|----------------------------------|------------------------------------|------------------------------|--------------------------------|-------------------------------|----------------------------|-------------------------------|----------------------------|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH |                                  |                                    |                              |                                |                               |                            | 1.0                           |                            |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 1.0                              | 1.0                                | 1.0                          | 1.0                            | 1.0                           | 1.0                        | 1.0                           | 1.0                        |

1

TRAFFIC SIGNAL LEGEND

- EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
- EX. MULTI-MODE FIBER
- PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
- PROP. SINGLE-MODE FIBER IN EX. CONDUIT

NOT TO SCALE

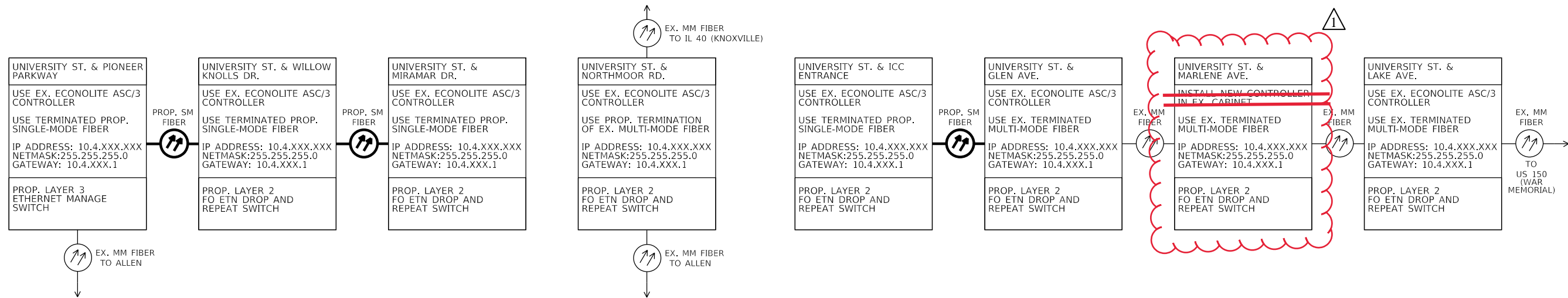
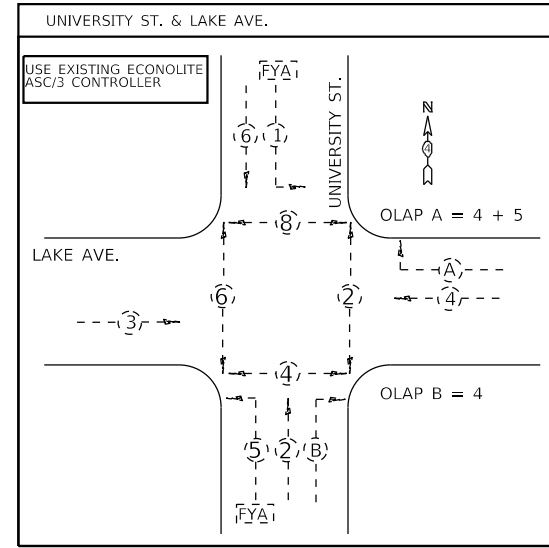
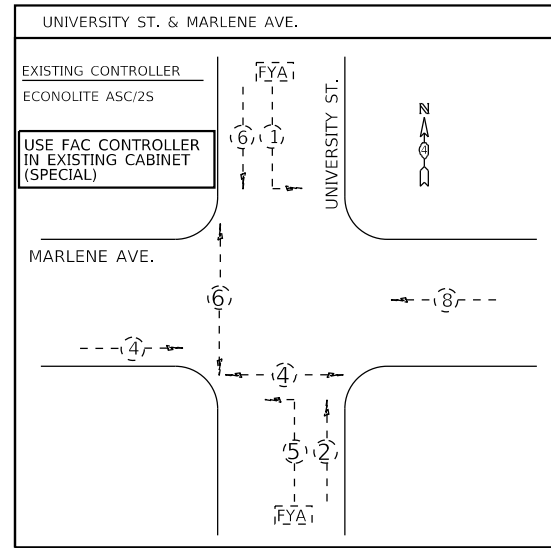
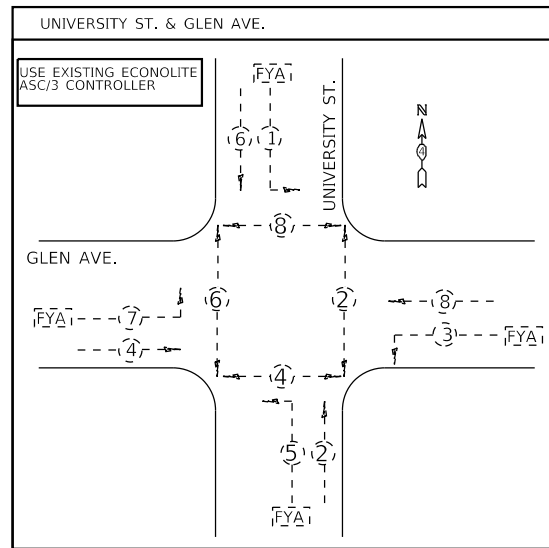
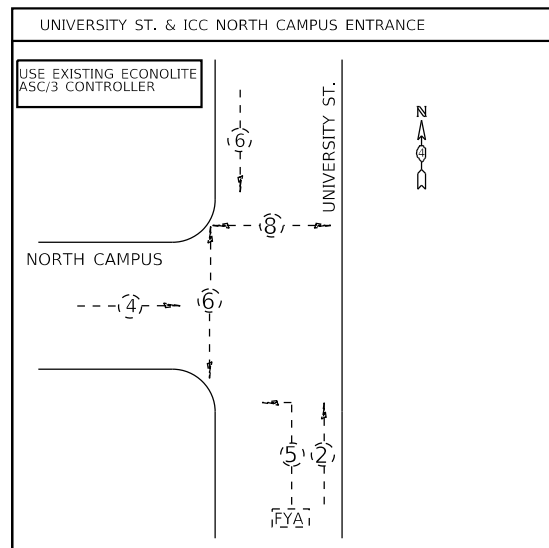
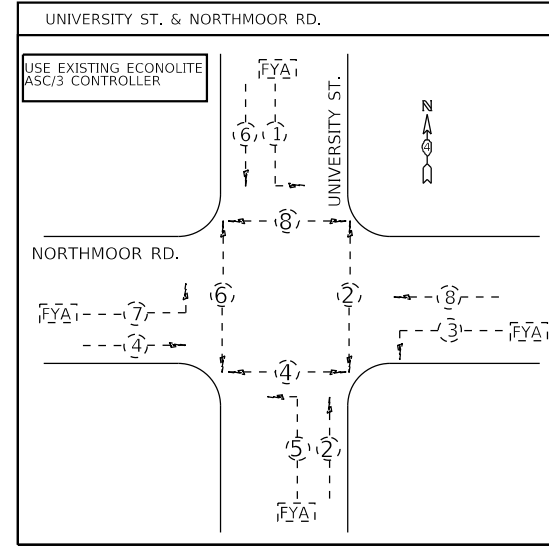
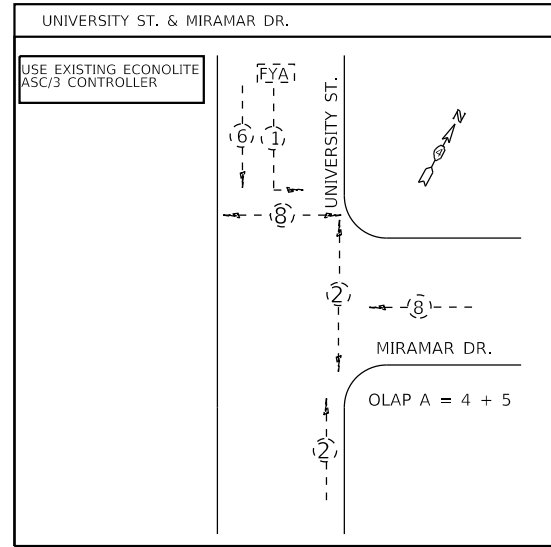
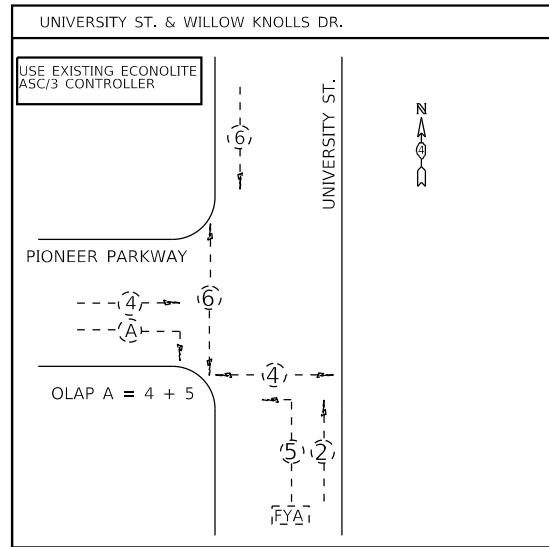
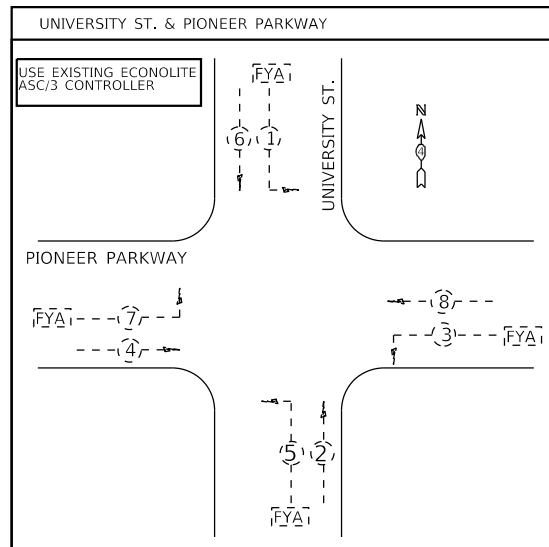
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| FILE NAME = | USER NAME = \$USERS   | DESIGNED - | REVISED - |
| \$FILES     |                       | DRAWN -    | REVISED - |
|             | PLOT SCALE = \$SCALES | CHECKED -  | REVISED - |
|             | PLOT DATE = \$DATES   | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED IMPROVEMENTS ALONG UNIVERSITY ST.  
FROM PIONEER PARKWAY TO LAKE AVE.

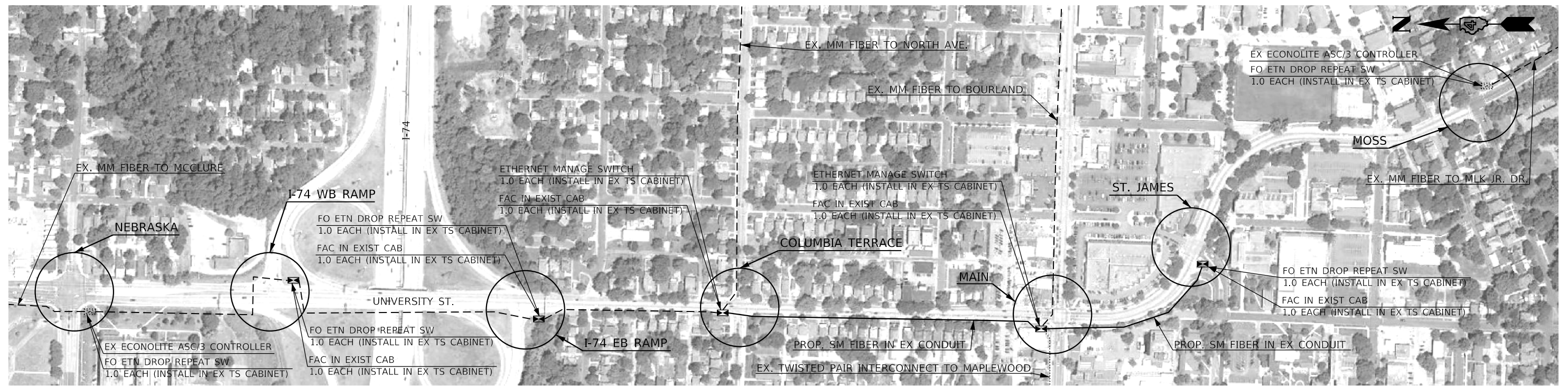
SCALE: STA. TO STA.

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 28        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |



NOT TO SCALE

|                     |                        |            |           |   |   |                           |             |        |              |           |  |
|---------------------|------------------------|------------|-----------|---|---|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>UNIVERSITY ST. FROM PIONEER PARKWAY TO LAKE AVE.</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALE\$ | DRAWN -    | REVISED - |   |   | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 29        |  |
|                     | PLOT DATE = \$DATE\$   | CHECKED -  | REVISED - |   |   | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                        | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



SEE SHEET 81 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG UNIVERSITY ST. FROM COLUMBIA TERRACE TO ST. JAMES ST.

| BILL OF MATERIALS                                      |      |          |
|--|------|----------|
| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 5.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 5.0      |
| ETHERNET MANAGE SWITCH                                 | EACH | 2.0      |

| FIBER OPTIC CABLE SLACK         |
|---------------------------------|
| HANDHOLE: 10.0 FT.              |
| DOUBLE HANDHOLE: 30.0 FT.       |
| COMM. VAULT: 100.0 FT.          |
| JUNCTION BOX: 10.0 FT.          |
| ITS OR SIGNAL CABINET: 10.0 FT. |

| SCHEDULE OF QUANTITIES                                 |      |                                |                               |                               |                                   |                           |                                |   |
|--|------|--------------------------------|-------------------------------|-------------------------------|-----------------------------------|---------------------------|--------------------------------|---|
| ITEM DESCRIPTION                                       | QTY. | UNIVERSITY ST. & NEBRASKA AVE. | UNIVERSITY ST. & I-74 WB RAMP | UNIVERSITY ST. & I-74 EB RAMP | UNIVERSITY ST. & COLUMBIA TERRACE | UNIVERSITY ST. & MAIN ST. | UNIVERSITY ST. & ST. JAMES ST. | UNIVERSITY ST. & MOSS AVE. / MACARTHUR HWY. |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH |                                | 1.0                           | 1.0                           | 1.0                               | 1.0                       | 1.0                            |   |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 1.0                            | 1.0                           | 1.0                           |                                   |                           | 1.0                            | 1.0   |
| ETHERNET MANAGE SWITCH                                 | EACH |                                |                               |                               | 1.0                               | 1.0                       |                                |   |

| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
|                       | EX. TRAFFIC SIGNAL CONTROLLER AND CABINET      |
|                       | EX. MULTI-MODE FIBER                           |
|                       | EX. TWISTED-PAIR INTERCONNECT                  |
|                       | PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET |
|                       | PROP. SINGLE-MODE FIBER IN EX. CONDUIT         |

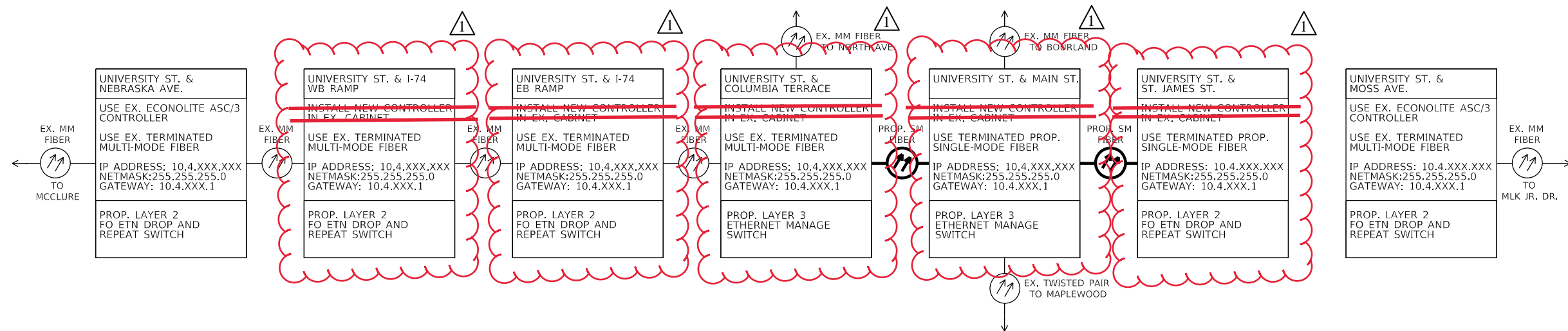
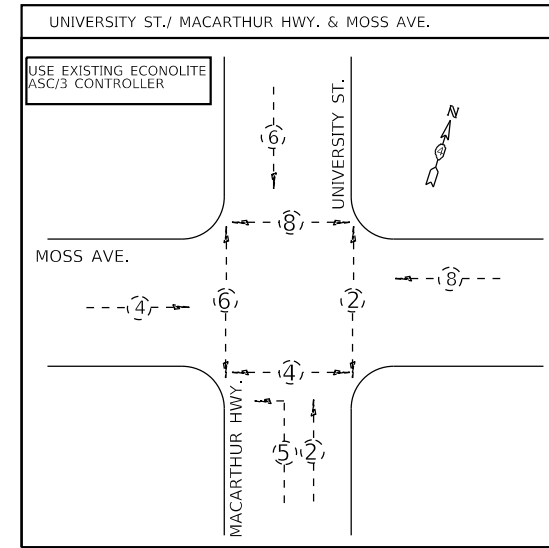
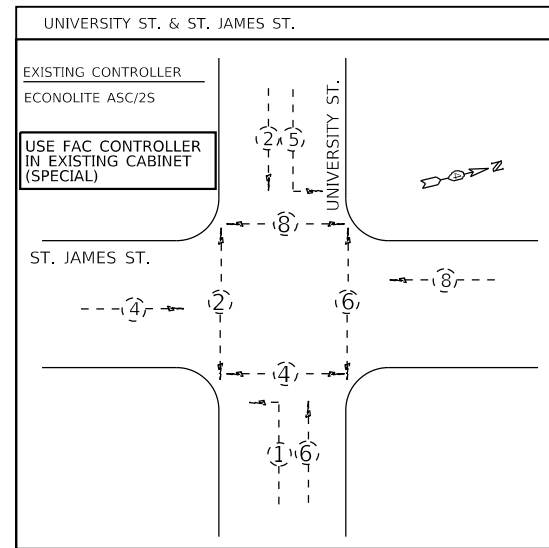
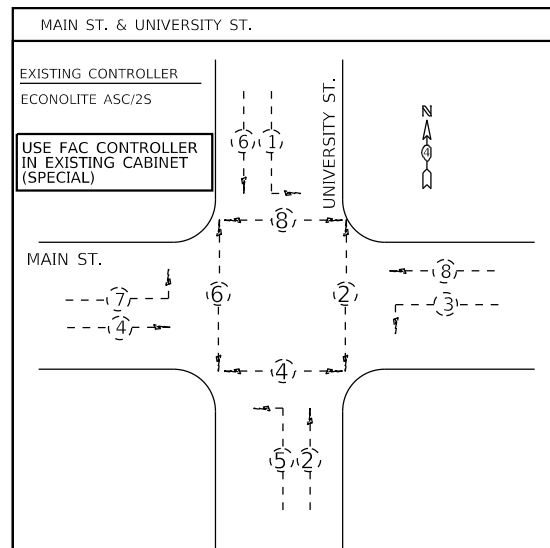
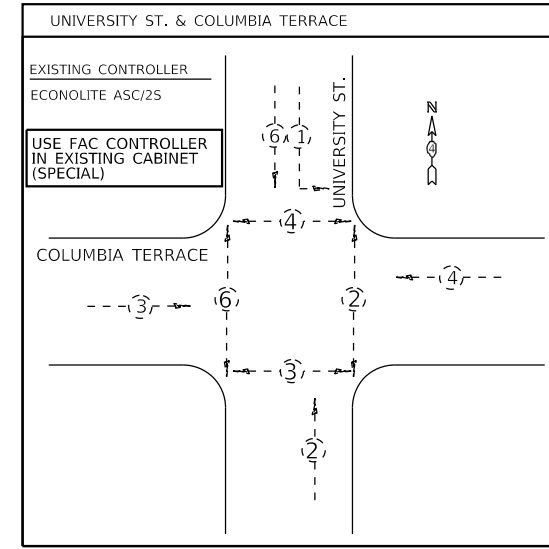
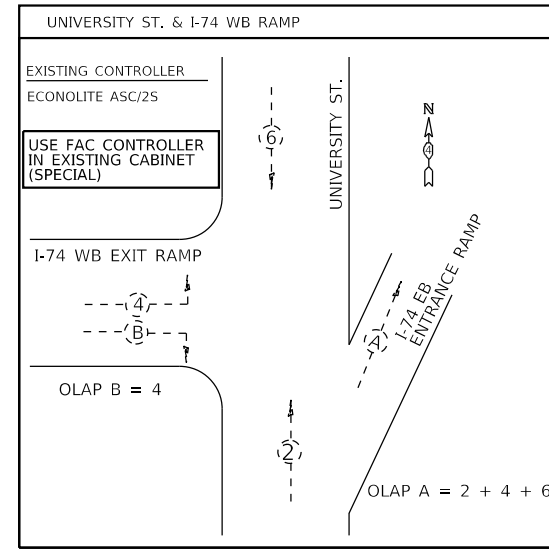
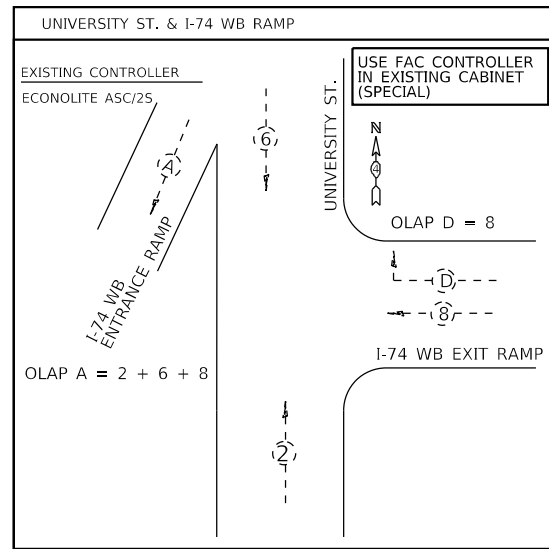
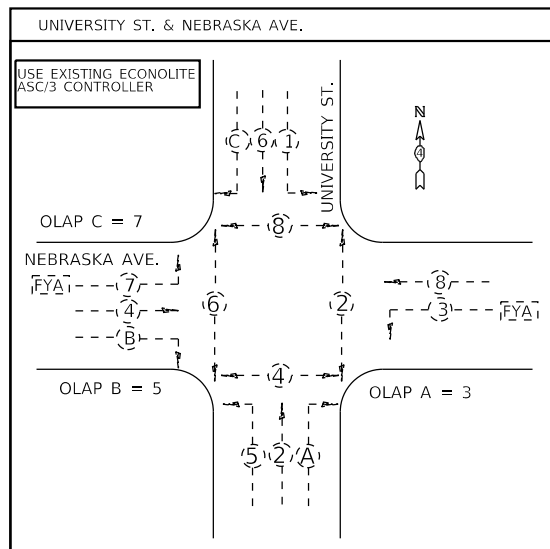
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|                     |                     | CHECKED -  | REVISED - |
|                     |                     | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED IMPROVEMENTS ALONG UNIVERSITY ST.  
FROM NEBRASKA AVE. TO MOSS AVE./MACARTHUR HIGHWAY

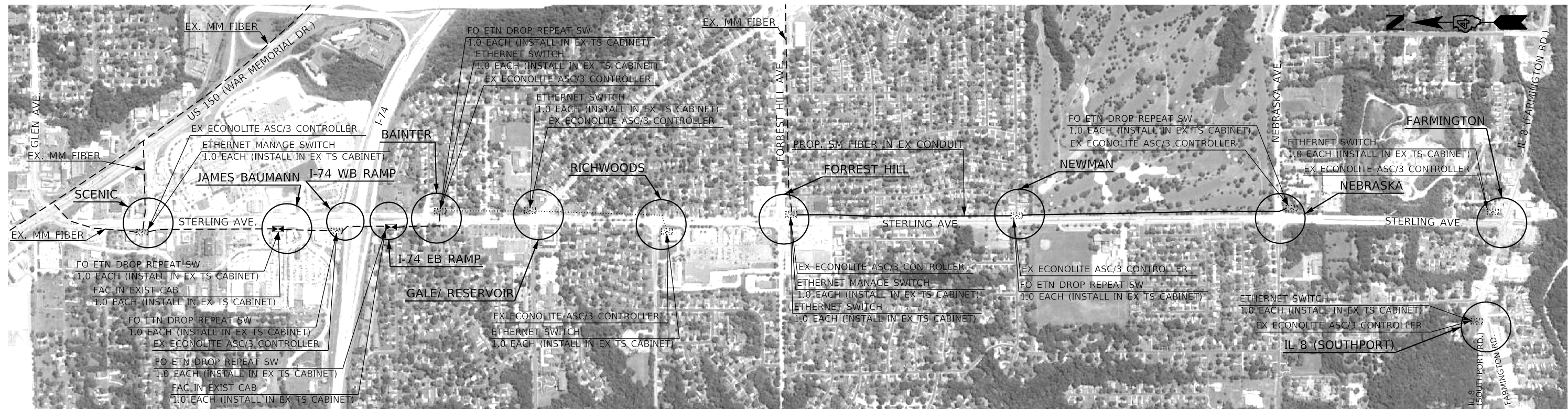
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| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 32        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

NOT TO SCALE



NOT TO SCALE

|                     |                        |            |           |   |  |                           |             |        |              |           |  |
|---------------------|------------------------|------------|-----------|---|--|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>UNIVERSITY ST. FROM NEBRASKA AVE. TO MOSS AVE./MACARTHUR HWY.</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALE\$ | DRAWN -    | REVISED - |   |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 33        |  |
|                     | PLOT DATE = \$DATE\$   | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                        | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



SEE SHEET 82 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG STERLING AVE. FROM FORREST HILL AVE. TO NEBRASKA AVE.

| BILL OF MATERIALS                                      |      |          |
|--|------|----------|
| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 3.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 6.0      |
| ETHERNET MANAGE SWITCH                                 | EACH | 2.0      |
| ETHERNET SWITCH  | EACH | 5.0      |

| FIBER OPTIC CABLE SLACK |           |
|-------------------------|-----------|
| HANDHOLE:               | 10.0 FT.  |
| DOUBLE HANDHOLE:        | 30.0 FT.  |
| COMM. VAULT:            | 100.0 FT. |
| JUNCTION BOX:           | 10.0 FT.  |
| ITS OR SIGNAL CABINET:  | 10.0 FT.  |

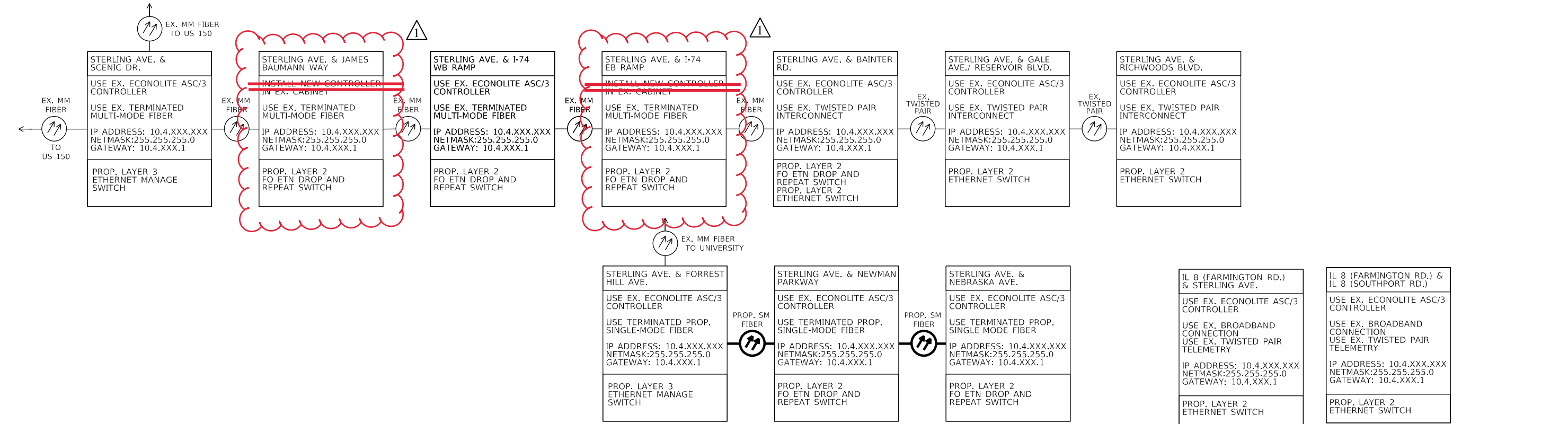
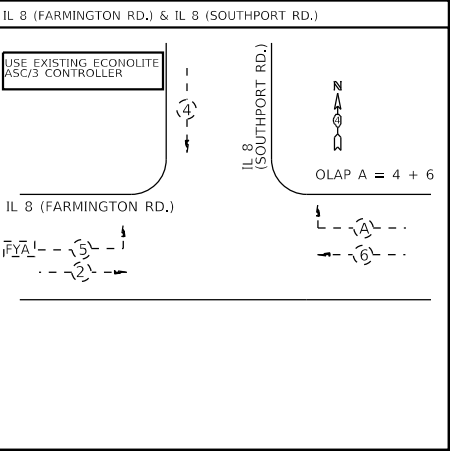
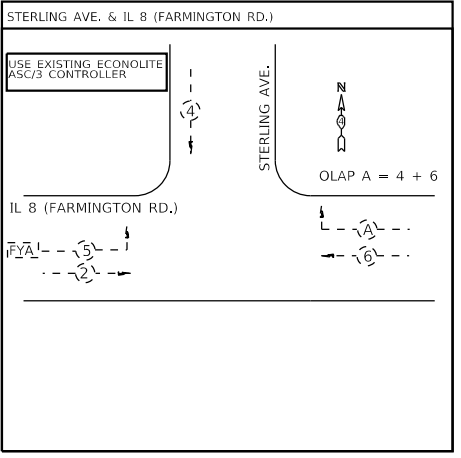
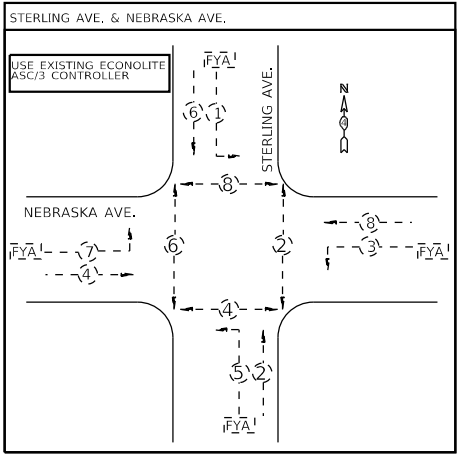
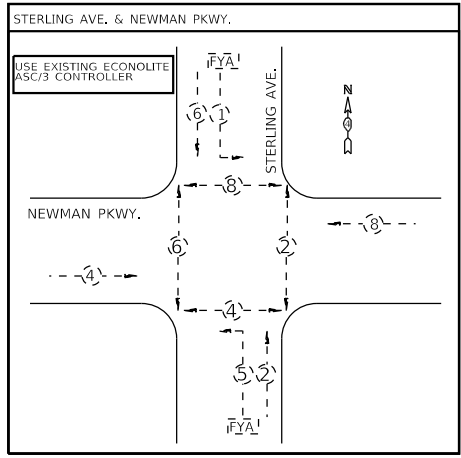
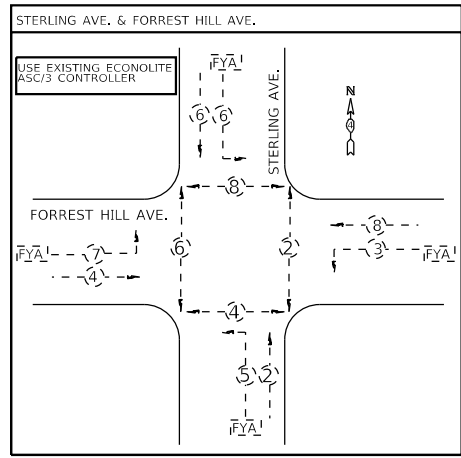
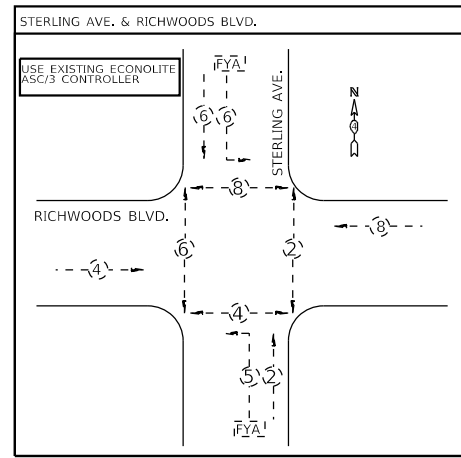
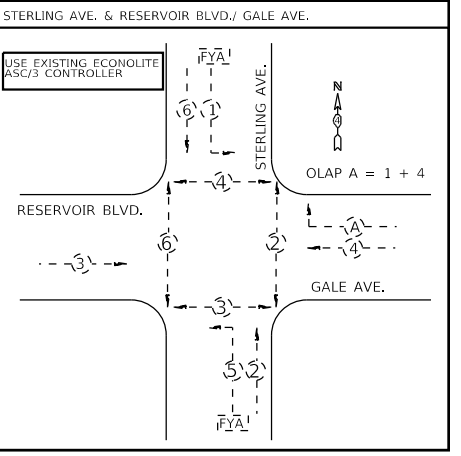
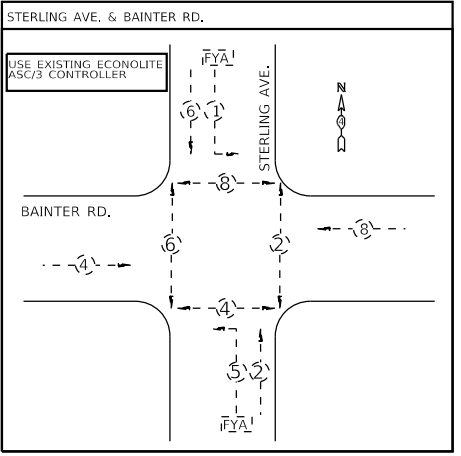
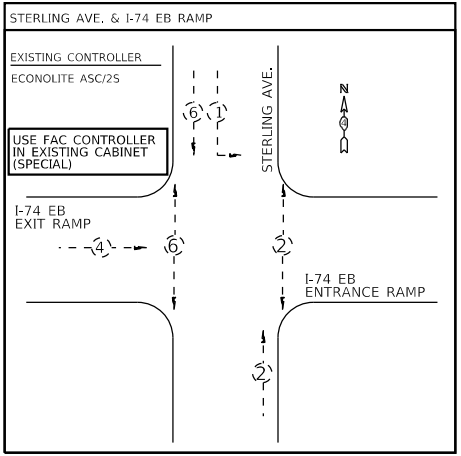
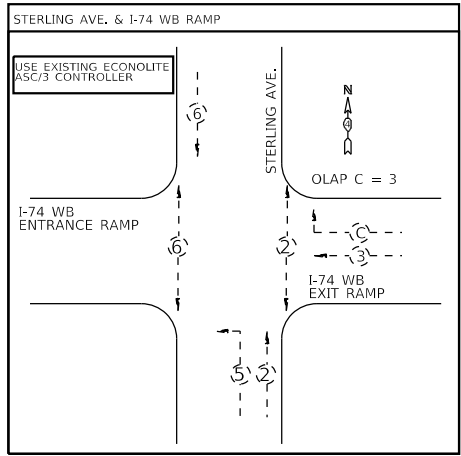
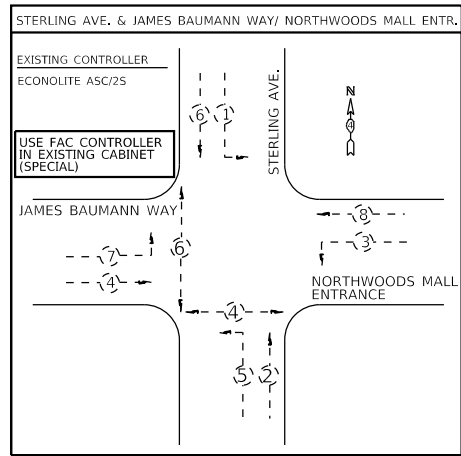
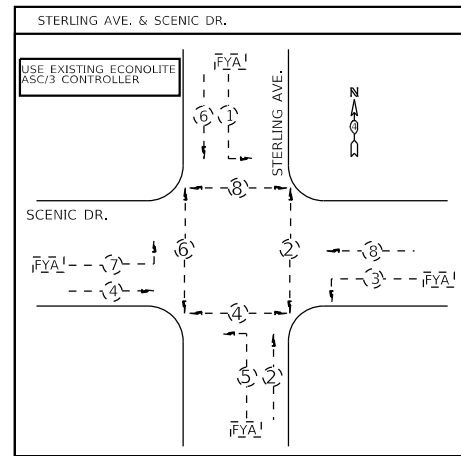
| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
|                       | EX. TRAFFIC SIGNAL CONTROLLER AND CABINET      |
|                       | EX. MULTI-MODE FIBER                           |
|                       | EX. TWISTED-PAIR INTERCONNECT                  |
|                       | PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET |
|                       | PROP. SINGLE-MODE FIBER IN EX. CONDUIT         |

SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION                                       | QTY. | STERLING AVE. & SCENIC DR. | STERLING AVE. & JAMES BAUMANN WAY/ NORTHWOODS MALL ENTRANCE | STERLING AVE. & I-74 WB RAMPS | STERLING AVE. & I-74 EB RAMPS | STERLING AVE. & BAINTER RD. | STERLING AVE. & GALE AVE. / RESERVOIR BLVD. | STERLING AVE. & RICHWOODS BLVD. | STERLING AVE. & FORREST HILL AVE. | STERLING AVE. & NEWMAN PARKWAY | STERLING AVE. & NEBRASKA AVE. | STERLING AVE. & IL 8 (FARMINGTON RD.) | IL 8 (SOUTHPORT RD.) & FARMINGTON RD. |
|--|------|----------------------------|---|-------------------------------|-------------------------------|-----------------------------|---|---------------------------------|-----------------------------------|--------------------------------|-------------------------------|---------------------------------------|---------------------------------------|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH |                            | 1.0   |                               | 1.0                           |                             |   |                                 |                                   |                                |                               |                                       |                                       |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH |                            | 1.0   | 1.0                           | 1.0                           | 1.0                         |   |                                 |                                   | 1.0                            | 1.0                           |                                       |                                       |
| ETHERNET MANAGE SWITCH                                 | EACH | 1.0                        |   |                               |                               |                             |   |                                 | 1.0                               |                                |                               |                                       |                                       |
| ETHERNET SWITCH  | EACH |                            |   |                               |                               | 1.0                         | 1.0   | 1.0                             |                                   |                                |                               | 1.0                                   | 1.0                                   |

NOT TO SCALE

|                     |                       |            |           |   |  |                    |             |                           |              |           |  |
|---------------------|-----------------------|------------|-----------|---|--|--------------------|-------------|---------------------------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED IMPROVEMENTS ALONG STERLING AVE.<br/>FROM SCENIC DR. TO FARMINGTON RD.</b> | F.A.P. RTE.        | SECTION     | COUNTY                    | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALES | DRAWN -    | REVISED - |   |  | VAR.               | D4 ITS 2018 | PEORIA                    | 87           | 34        |  |
|                     | PLOT DATE = \$DATES   | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20 |             | ILLINOIS FED. AID PROJECT |              |           |  |
|                     |                       | DATE -     | REVISED - |   |  | SCALE:             | STA.        | TO STA.                   |              |           |  |



NOT TO SCALE

|             |                        |            |           |   |  |                           |             |        |              |           |  |
|-------------|------------------------|------------|-----------|---|--|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = \$USERS    | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>STERLING AVE. FROM SCENIC DR. TO FARMINGTON RD.</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| \$FILES     | PLOT SCALE = \$SCALE\$ | DRAWN -    | REVISED - |   |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 35        |  |
|             | PLOT DATE = \$DATE\$   | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20        |             |        |              |           |  |
|             |                        | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |             |        |              |           |  |





| BILL OF MATERIALS                                      |      |          |
|--|------|----------|
| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 3.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 2.0      |
| ETHERNET MANAGE SWITCH                                 | EACH | 2.0      |

| SCHEDULE OF QUANTITIES                                 |      |                           |                           |                          |                          |
|--|------|---------------------------|---------------------------|--------------------------|--------------------------|
| ITEM DESCRIPTION                                       | QTY. | GALE AVE. & I-74 WB RAMPS | GALE AVE. & I-74 EB RAMPS | FORREST HILL & GALE AVE. | FORREST HILL & DRIES LN. |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0                       | 1.0                       |                          | 1.0                      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 1.0                       | 1.0                       |                          |                          |
| ETHERNET MANAGE SWITCH                                 | EACH |                           |                           | 1.0                      | 1.0                      |

TRAFFIC SIGNAL LEGEND

- EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
- EX. MULTI-MODE FIBER
- PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

NOT TO SCALE

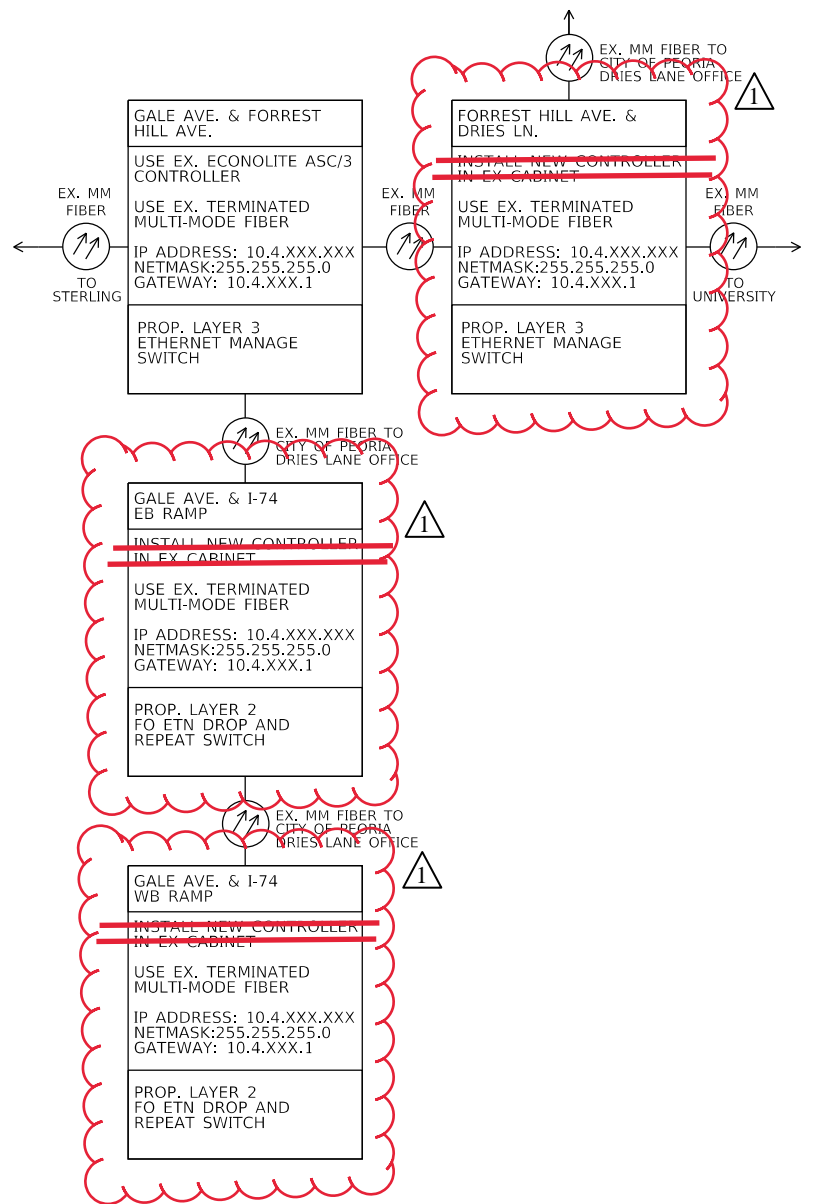
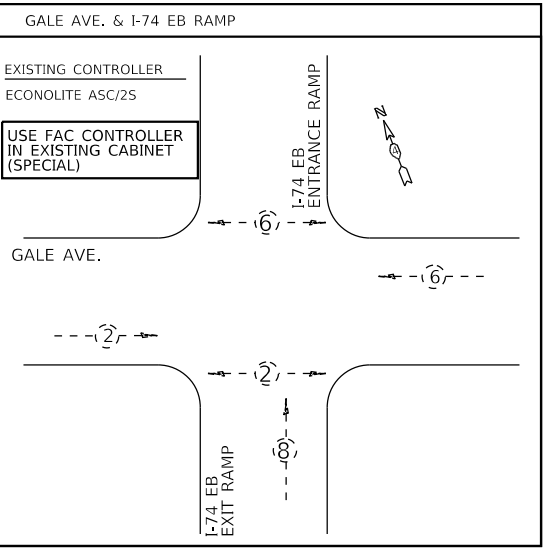
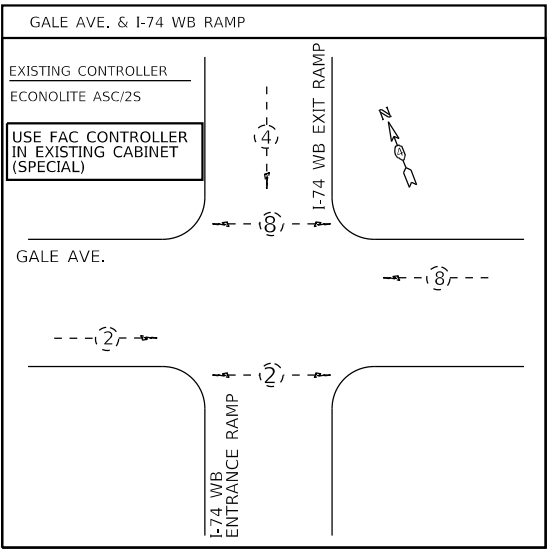
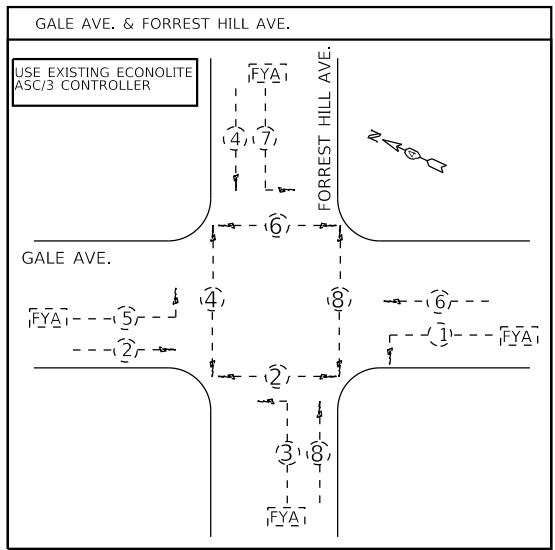
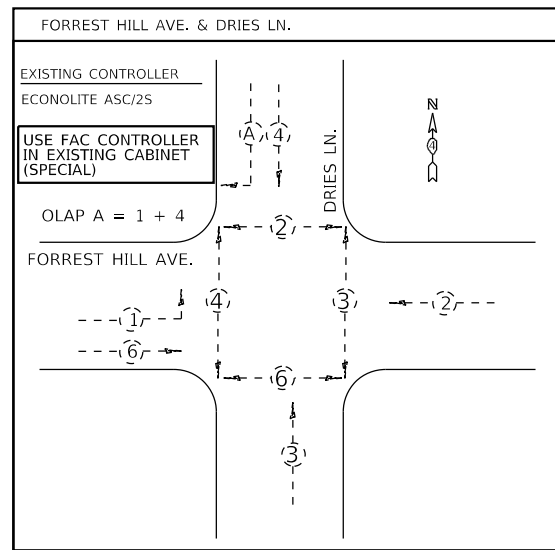
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|-------------|------------------------|------------|-----------|
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| \$FILES     |                        | DRAWN -    | REVISED - |
|             | PLOT SCALE = \$SCALE\$ | CHECKED -  | REVISED - |
|             | PLOT DATE = \$DATES    | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED IMPROVEMENTS ALONG GALE AVE.  
FROM I-74 WB RAMP TO FORREST HILL & DRIES LANE

SCALE: \_\_\_\_\_ STA. TO STA. \_\_\_\_\_

|                    |             |                  |              |           |
|--------------------|-------------|------------------|--------------|-----------|
| F.A.P. RTE.        | SECTION     | COUNTY           | TOTAL SHEETS | SHEET NO. |
| VAR.               | D4 ITS 2018 | PEORIA           | 87           | 36        |
| CONTRACT NO. 68E20 |             |                  |              |           |
| ILLINOIS           |             | FED. AID PROJECT |              |           |



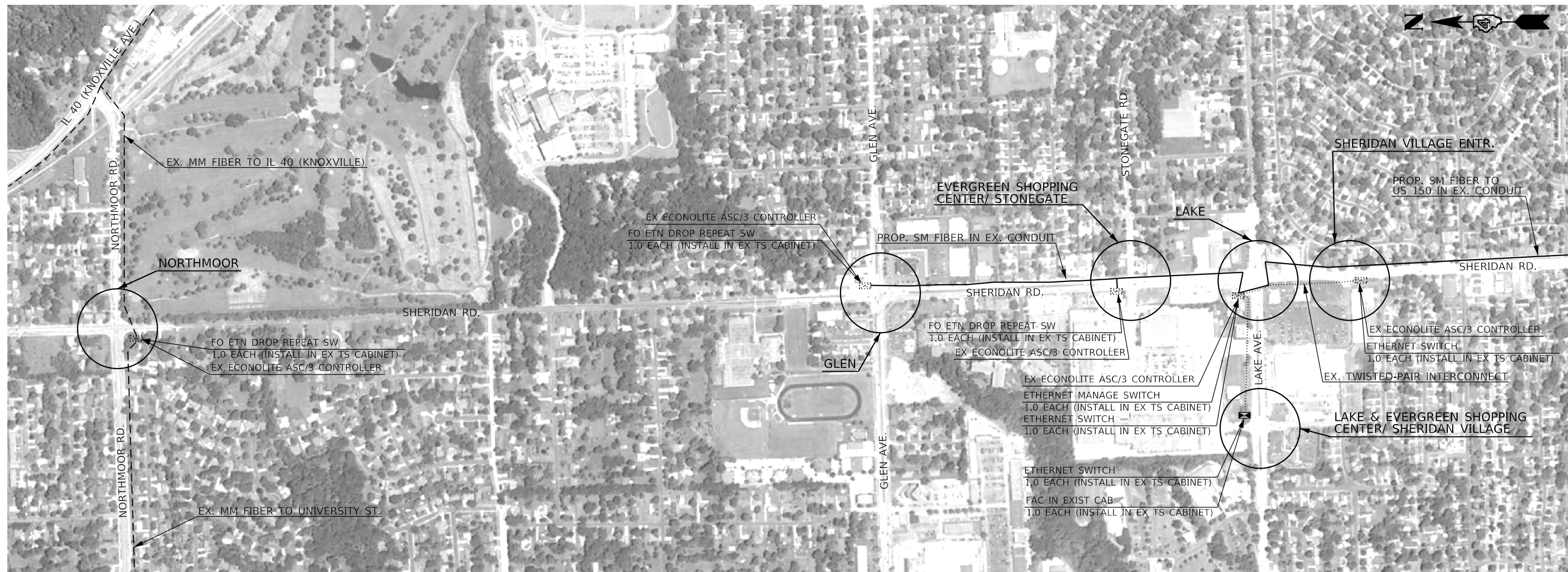
NOT TO SCALE

|             |                       |            |           |
|-------------|-----------------------|------------|-----------|
| FILE NAME = | USER NAME = \$USERS   | DESIGNED - | REVISED - |
| \$FILES     |                       | DRAWN -    | REVISED - |
|             | PLOT SCALE = \$SCALES | CHECKED -  | REVISED - |
|             | PLOT DATE = \$DATES   | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|   |              |
|---|--------------|
| EXISTING PHASE AND COMMUNICATION DIAGRAMS               |              |
| GALE AVE. FROM I-74 WB RAMP TO FORREST HILL & DRIES LN. |              |
| SCALE:  | STA. TO STA. |

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 37        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |



SEE SHEET 83 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG SHERIDAN RD. FROM GLEN AVE. TO SHERIDAN VILLAGE ENTRANCE

| BILL OF MATERIALS                                      |      |                |
|--|------|----------------|
| ITEM DESCRIPTION                                       | UNIT | QUANTITY       |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | <del>1.0</del> |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 3.0            |
| ETHERNET MANAGE SWITCH                                 | EACH | 1.0            |
| ETHERNET SWITCH  | EACH | 3.0            |

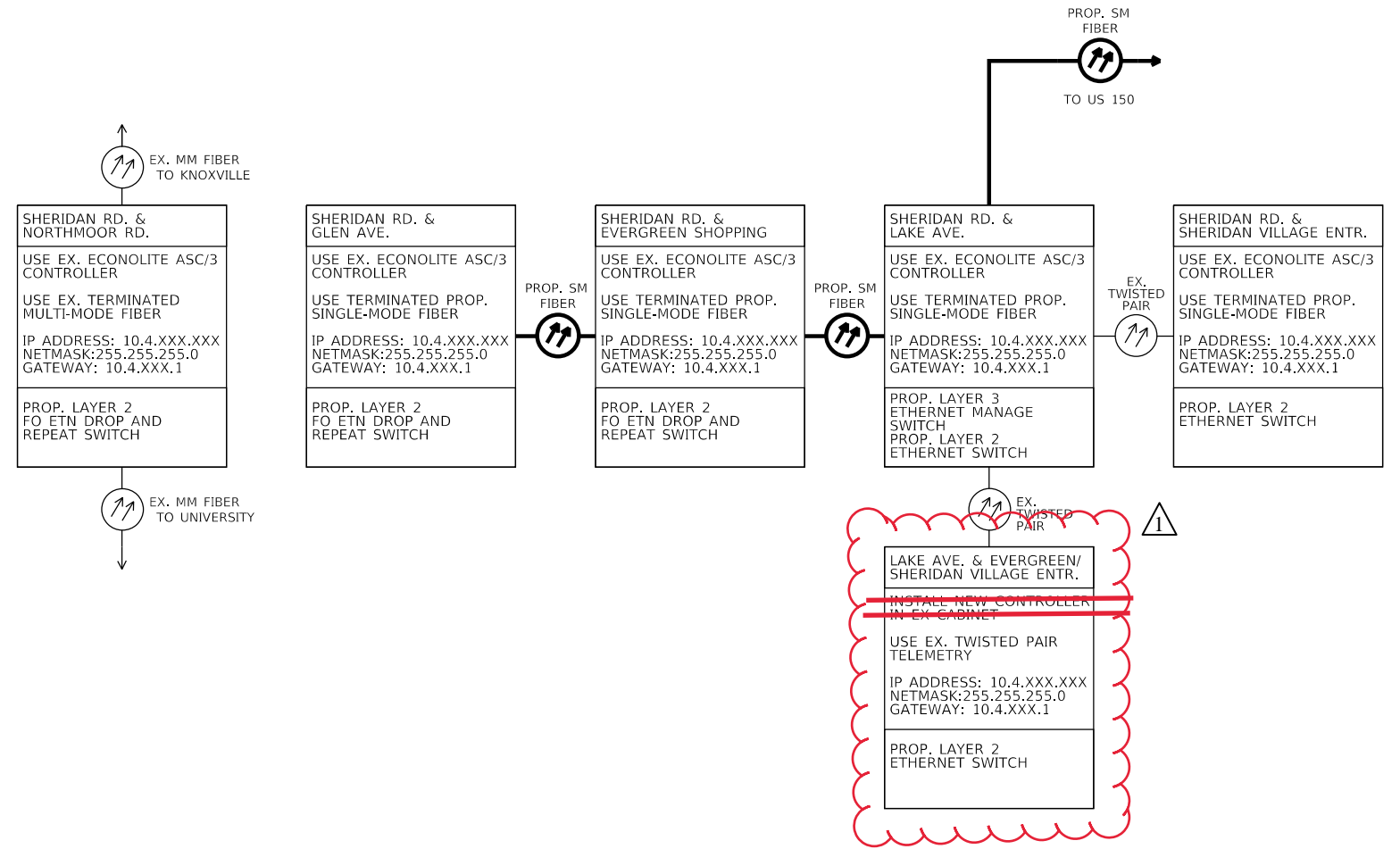
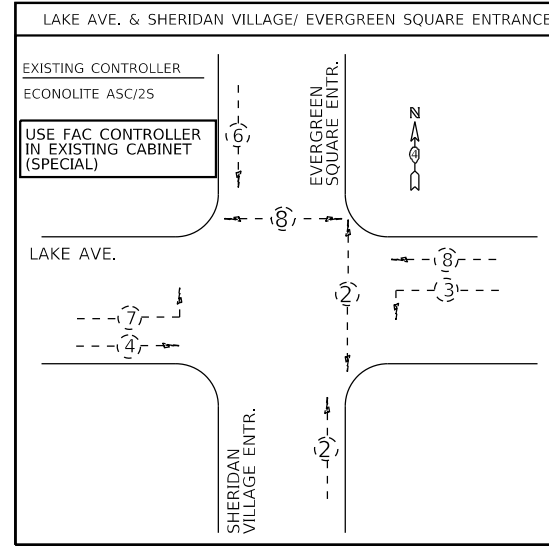
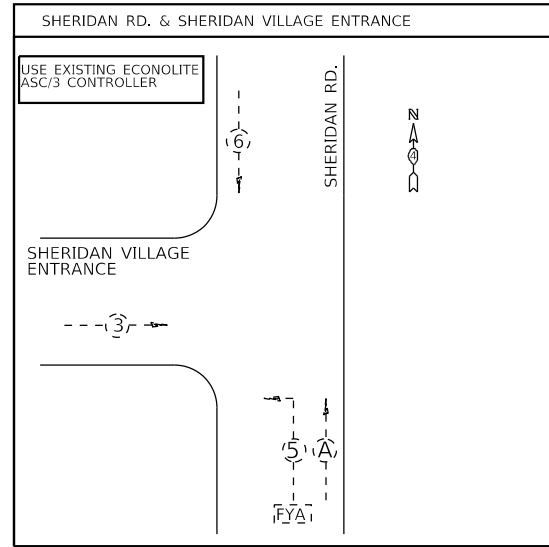
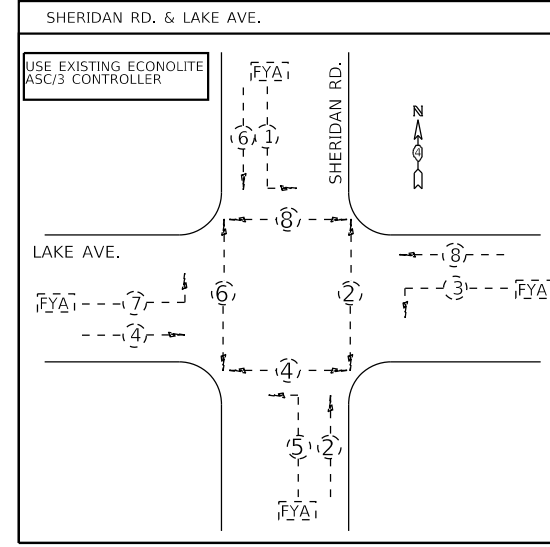
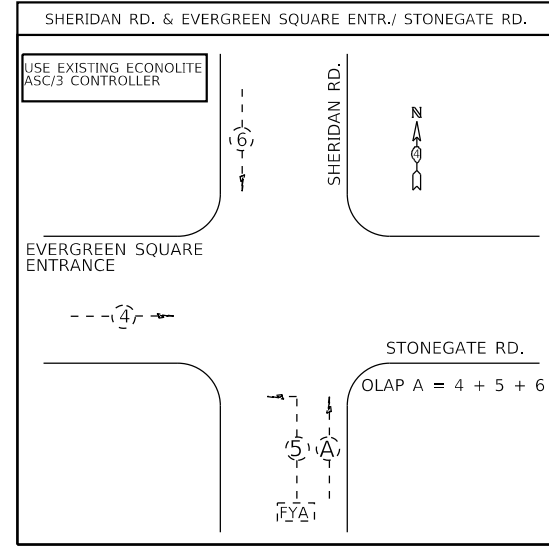
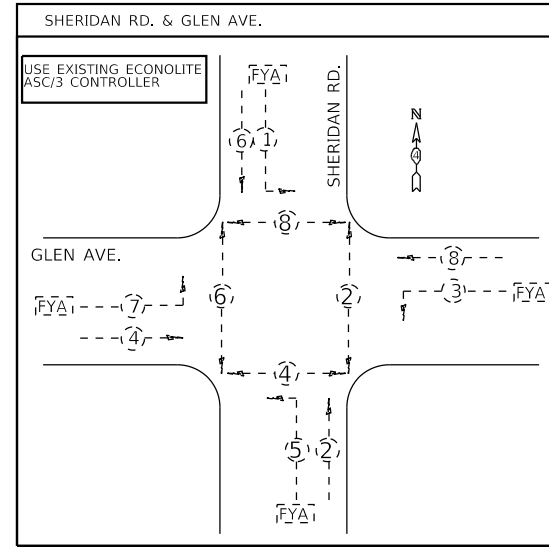
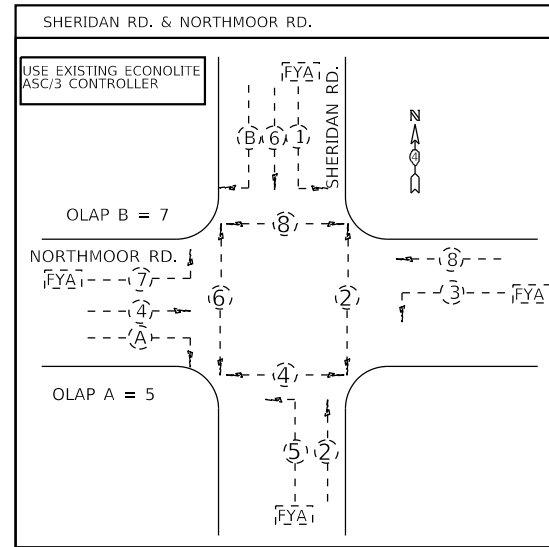
FIBER OPTIC CABLE SLACK  
 HANDHOLE: 10.0 FT.  
 DOUBLE HANDHOLE: 30.0 FT.  
 COMM. VAULT: 100.0 FT.  
 JUNCTION BOX: 10.0 FT.  
 ITS OR SIGNAL CABINET: 10.0 FT.

| SCHEDULE OF QUANTITIES                                 |      |                              |                          |  |                          |                                 |   |
|--|------|------------------------------|--------------------------|--|--------------------------|---------------------------------|---|
| ITEM DESCRIPTION                                       | QTY. | SHERIDAN RD. & NORTHMOOR RD. | SHERIDAN RD. & GLEN AVE. | SHERIDAN RD. & EVERGREEN SHOPPING CENTER / STONEGATE RD. | SHERIDAN RD. & LAKE AVE. | SHERIDAN RD. & SHERIDAN VILLAGE | LAKE AVE. & EVERGREEN SHOPPING CENTER/ SHERIDAN VILLAGE |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH |                              |                          |  |                          |                                 | 1.0   |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 1.0                          | 1.0                      | 1.0  |                          |                                 |   |
| ETHERNET MANAGE SWITCH                                 | EACH |                              |                          |  | 1.0                      |                                 |   |
| ETHERNET SWITCH  | EACH |                              |                          |  | 1.0                      | 1.0                             | 1.0   |

TRAFFIC SIGNAL LEGEND

- EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
- EX. MULTI-MODE FIBER
- EX. TWISTED-PAIR INTERCONNECT
- PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
- PROP. SINGLE-MODE FIBER IN EX. CONDUIT

NOT TO SCALE



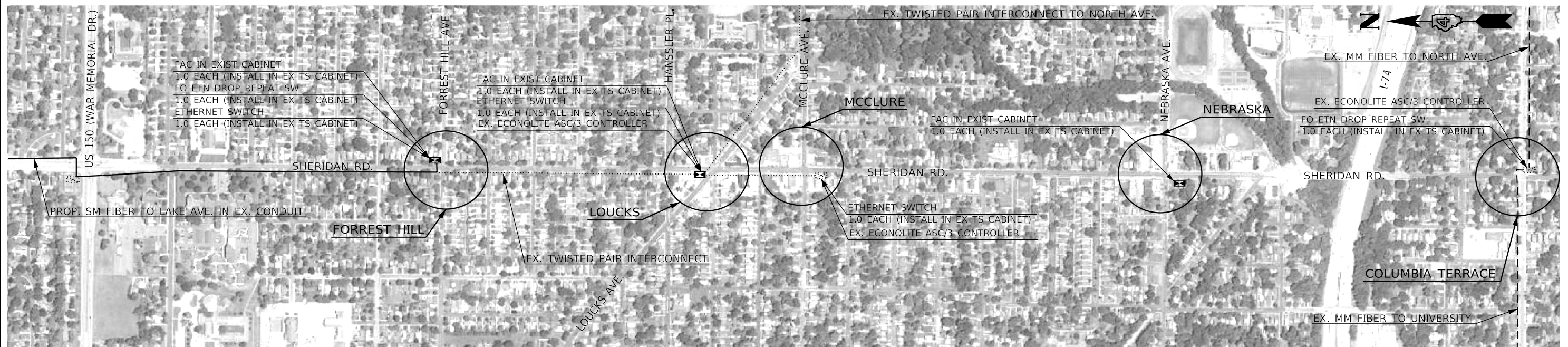
|                     |                        |            |           |
|---------------------|------------------------|------------|-----------|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - |
|                     |                        | DRAWN -    | REVISED - |
|                     | PLOT SCALE = \$SCALE\$ | CHECKED -  | REVISED - |
|                     | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PHASE AND COMMUNICATION DIAGRAMS  
SHERIDAN RD. FROM NORTHMOOR RD. TO SHERIDAN VILLAGE ENTRANCE

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 39        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

NOT TO SCALE



SEE SHEET 84 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG SHERIDAN RD. FROM US 150 (WAR MEMORIAL DR.) TO FORREST HILL AVE.

**FIBER OPTIC CABLE SLACK**

HANDHOLE: 10.0 FT.  
 DOUBLE HANDHOLE: 30.0 FT.  
 COMM. VAULT: 100.0 FT.  
 JUNCTION BOX: 10.0 FT.  
 ITS OR SIGNAL CABINET: 10.0 FT.

**BILL OF MATERIALS**

| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
|--|------|----------|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 3.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 2.0      |
| ETHERNET SWITCH  | EACH | 3.0      |

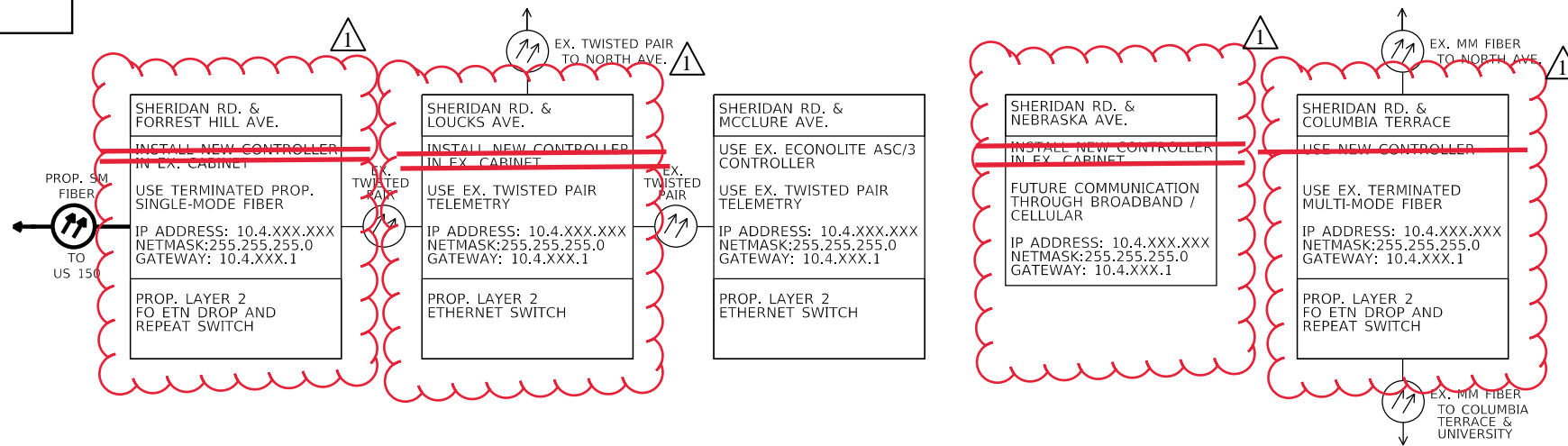
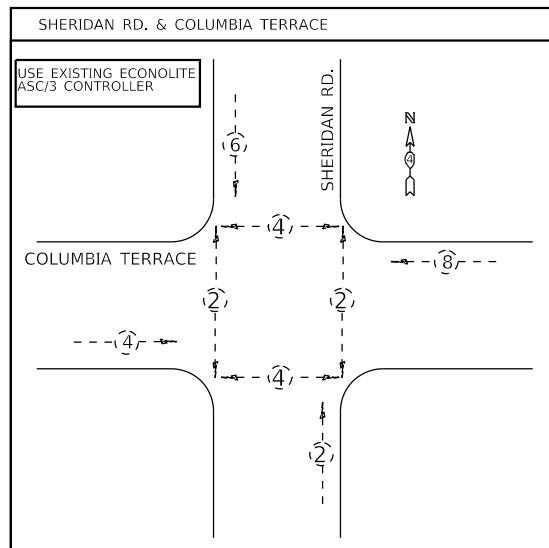
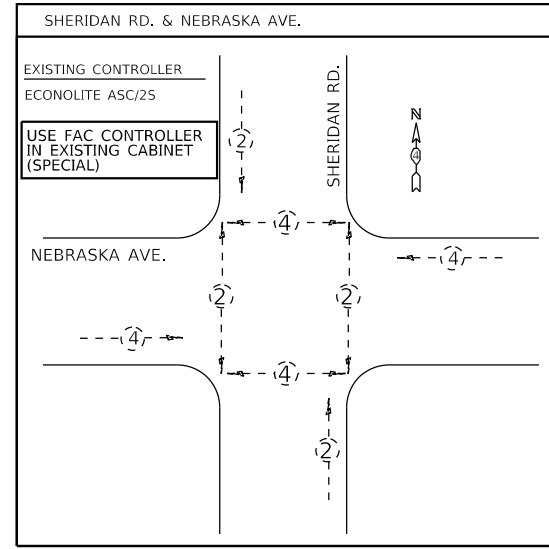
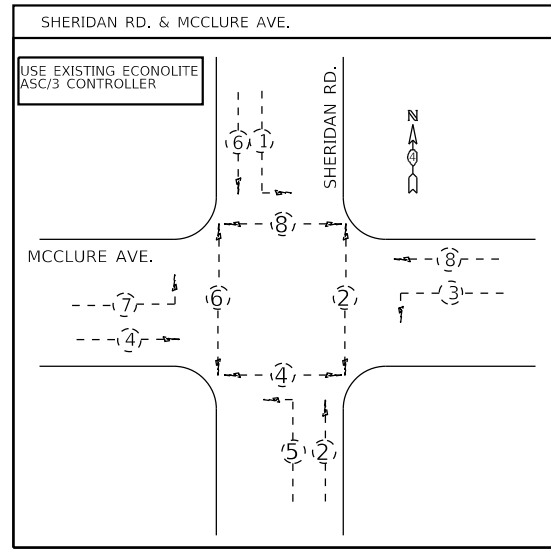
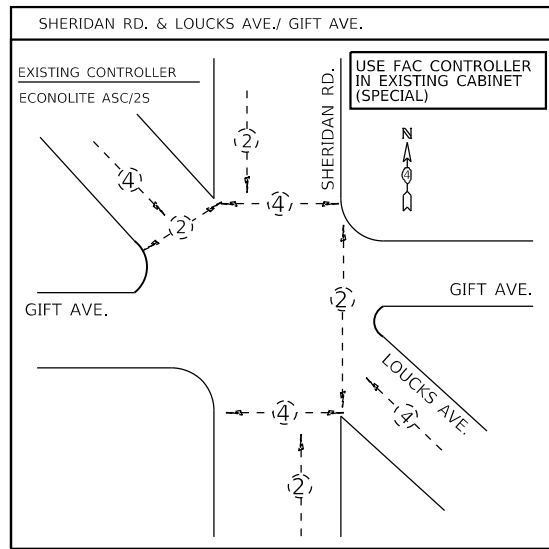
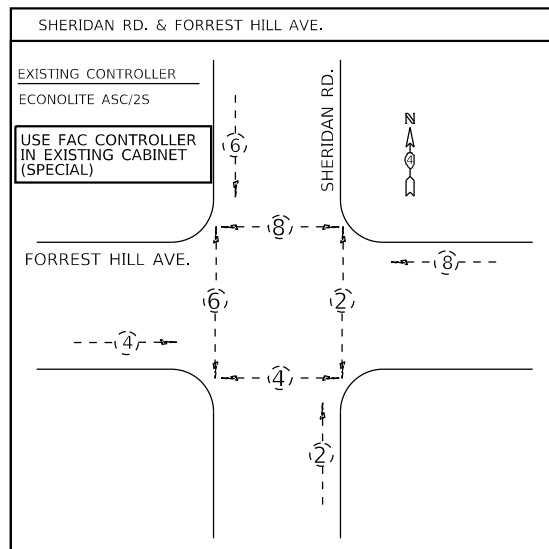
**SCHEDULE OF QUANTITIES**

| ITEM DESCRIPTION                                       | QTY. | SHERIDAN RD. & FORREST HILL AVE. | SHERIDAN RD. & LOUCKS AVE. | SHERIDAN RD. & MCCLURE AVE. | SHERIDAN RD. & NEBRASKA AVE. | SHERIDAN RD. & COLUMBIA TERRACE |
|--|------|----------------------------------|----------------------------|-----------------------------|------------------------------|---------------------------------|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0                              | 1.0                        |                             | 1.0                          |                                 |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 1.0                              |                            |                             |                              | 1.0                             |
| ETHERNET SWITCH  | EACH | 1.0                              | 1.0                        | 1.0                         |                              |                                 |

**TRAFFIC SIGNAL LEGEND**

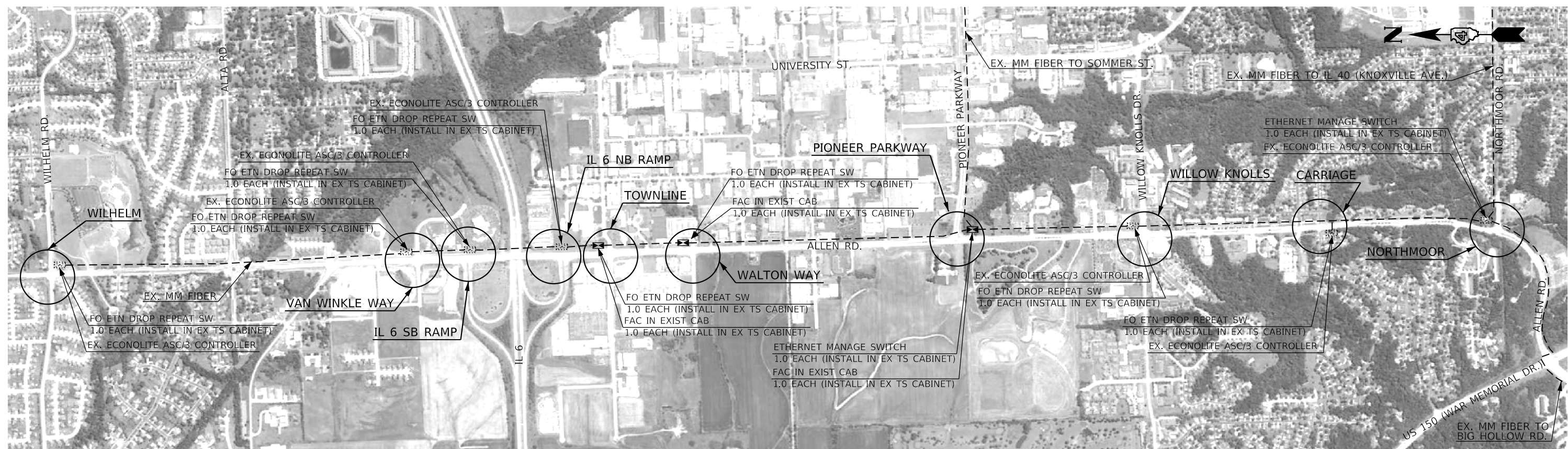
- EX. TRAFFIC SIGNAL CONTROLLER AND CABINET
- EX. MULTI-MODE FIBER
- EX. TWISTED-PAIR INTERCONNECT
- PROP. SINGLE-MODE FIBER IN EX. CONDUIT

NOT TO SCALE



NOT TO SCALE

|                     |                        |            |           |   |  |                    |                  |        |              |           |  |
|---------------------|------------------------|------------|-----------|---|--|--------------------|------------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - | <p align="center"><b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b></p> | <p align="center"><b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>SHERIDAN RD. FROM FORREST HILL AVE. TO COLUMBIA TERRACE</b></p> | F.A.P. RTE.        | SECTION          | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALE\$ | CHECKED -  | REVISED - |   |  | VAR.               | D4 ITS 2018      | PEORIA | 87           | 41        |  |
|                     | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |   |  | CONTRACT NO. 68E20 |                  |        |              |           |  |
|                     |                        |            |           |   |  | ILLINOIS           | FED. AID PROJECT |        |              |           |  |



**BILL OF MATERIALS**

| ITEM DESCRIPTION  | UNIT            | QUANTITY       |
|---|-----------------|----------------|
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>3.0</del> |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            | 8.0            |
| ETHERNET MANAGE SWITCH  | EACH            | 2.0            |

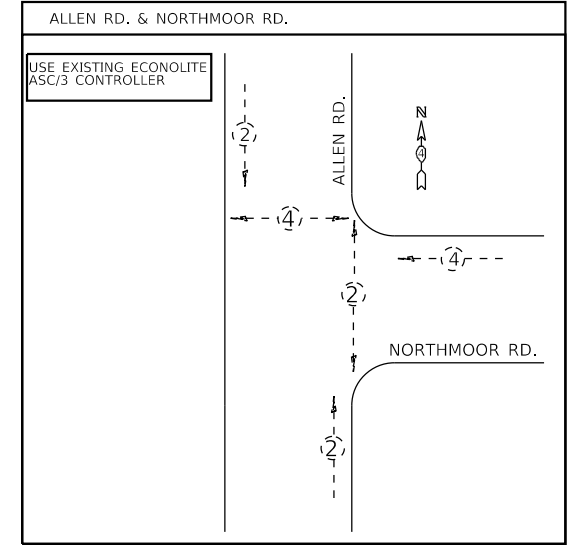
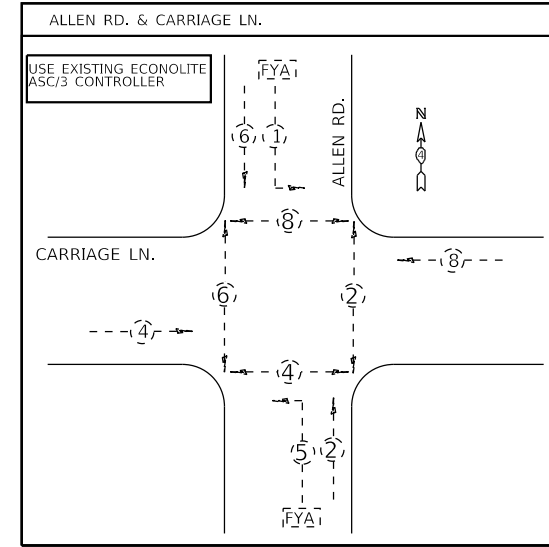
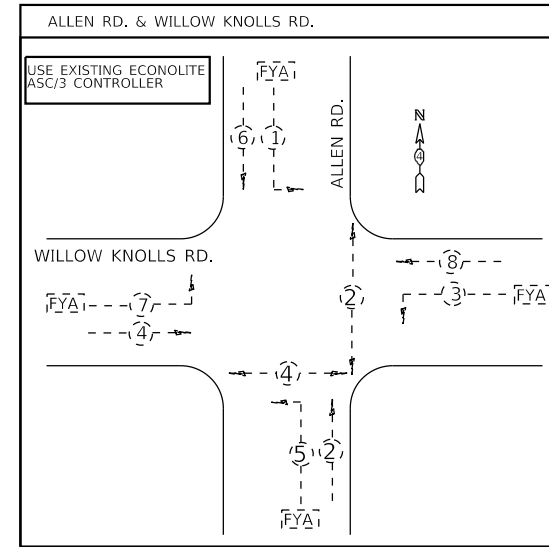
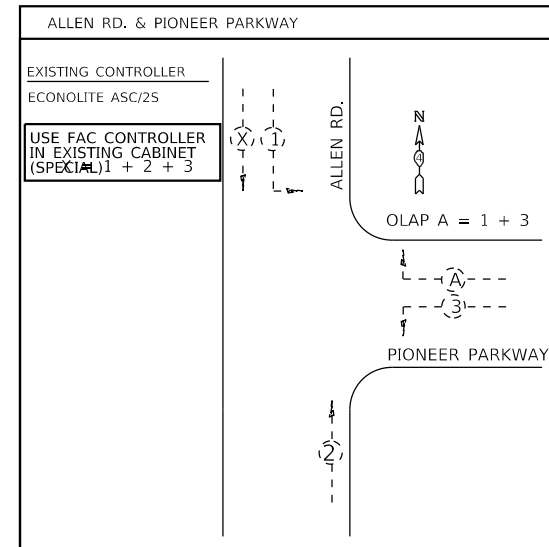
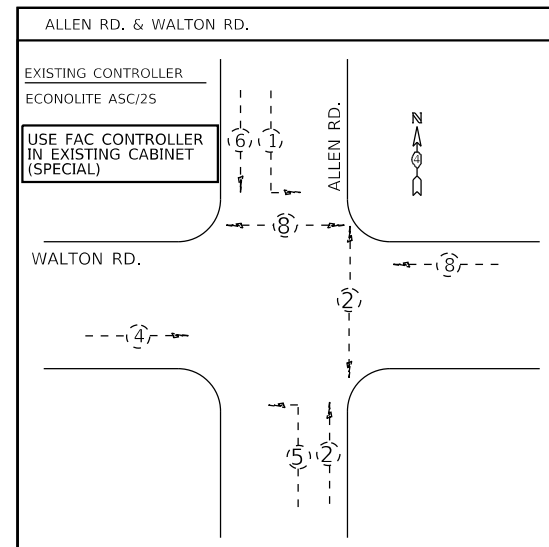
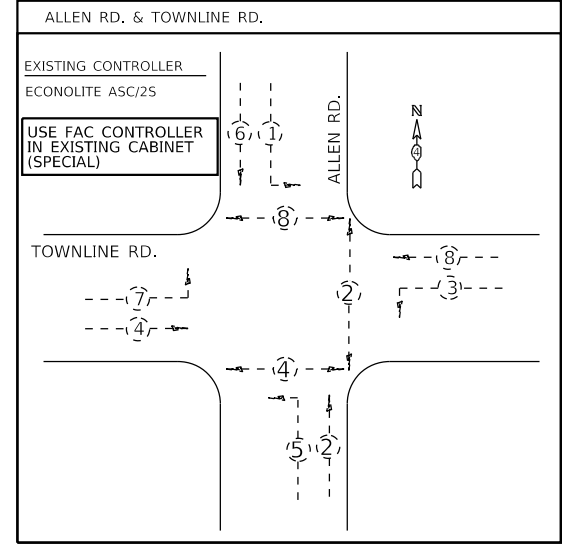
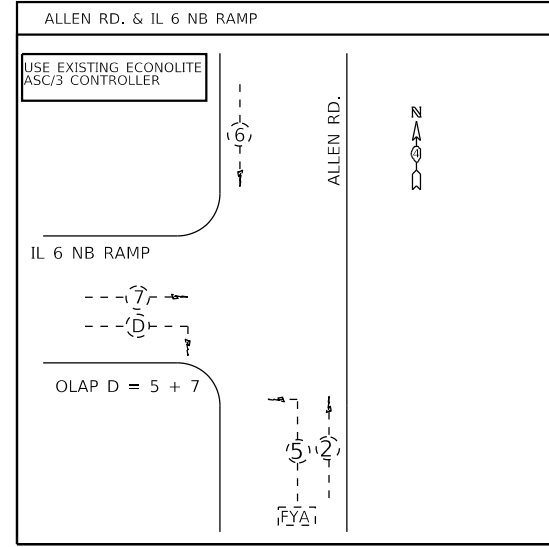
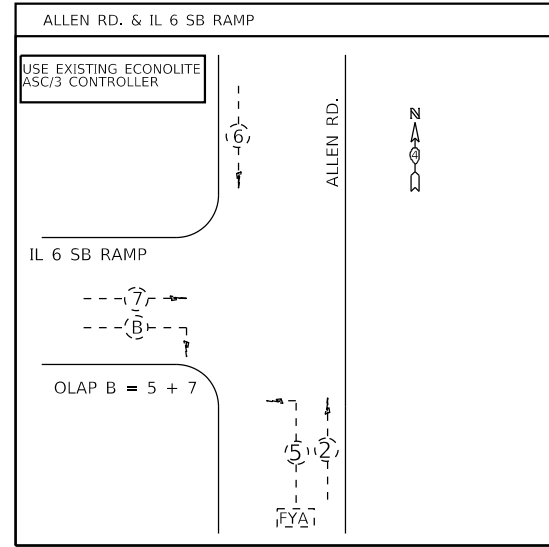
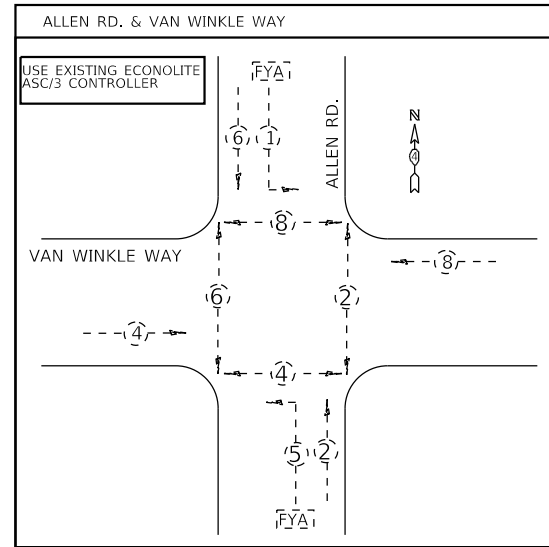
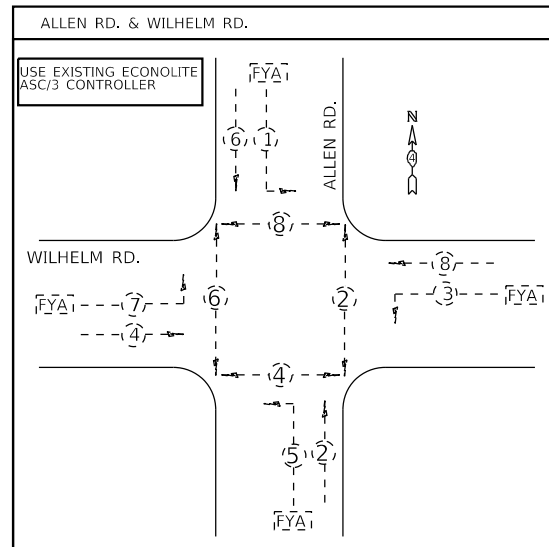
**TRAFFIC SIGNAL LEGEND**

|  |  |
|--|--|
|  | EX. TRAFFIC SIGNAL CONTROLLER AND CABINET      |
|  | EX. MULTI-MODE FIBER                           |
|  | PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET |
|  | PROP. SINGLE-MODE FIBER IN EX. CONDUIT         |

**SCHEDULE OF QUANTITIES**

| ITEM DESCRIPTION  | QTY.            | ALLEN RD. & WILHELM RD | ALLEN RD. & VAN WINKLE WAY | ALLEN RD. & IL 6 SB RAMPS | ALLEN RD. & IL 6 NB RAMPS | ALLEN RD. & TOWNLINE RD. | ALLEN RD. & WALTON WAY | ALLEN RD. & PIONEER PARKWAY | ALLEN RD. & WILLOW KNOLLS DR. | ALLEN RD. & CARRIAGE LN. | ALLEN RD. & NORTHMOOR RD. |
|---|-----------------|------------------------|----------------------------|---------------------------|---------------------------|--------------------------|------------------------|-----------------------------|-------------------------------|--------------------------|---------------------------|
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> |                        |                            |                           |                           | 1.0                      | 1.0                    | 1.0                         |                               |                          |                           |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            | 1.0                    | 1.0                        | 1.0                       | 1.0                       | 1.0                      | 1.0                    |                             | 1.0                           | 1.0                      |                           |
| ETHERNET MANAGE SWITCH  | EACH            |                        |                            |                           |                           |                          |                        | 1.0                         |                               |                          | 1.0                       |

|             |                     |            |           |   |  |                           |             |        |              |           |  |
|-------------|---------------------|------------|-----------|---|--|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = \$USERS | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED IMPROVEMENTS ALONG ALLEN RD.<br/>FROM WILHELM RD. TO NORTHMOOR RD.</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| \$FILES     |                     | DRAWN -    | REVISED - |   |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 42        |  |
|             |                     | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20        |             |        |              |           |  |
|             |                     | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



ALLEN RD. & WILHELM RD.

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

ALLEN RD. & VAN WINKLE WAY

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

ALLEN RD. & IL 6 SB RAMP

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

ALLEN RD. & IL 6 NB RAMP

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

ALLEN RD. & TOWNLINE RD.

INSTALL NEW CONTROLLER IN EX. CABINET

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

ALLEN RD. & WALTON WAY

INSTALL NEW CONTROLLER IN EX. CABINET

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

ALLEN RD. & PIONEER PARKWAY

INSTALL NEW CONTROLLER IN EX. CABINET

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 3  
ETHERNET MANAGE SWITCH

ALLEN RD. & WILLOW KNOLLS DR.

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

ALLEN RD. & CARRIAGE LN.

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2  
FO ETN DROP AND REPEAT SWITCH

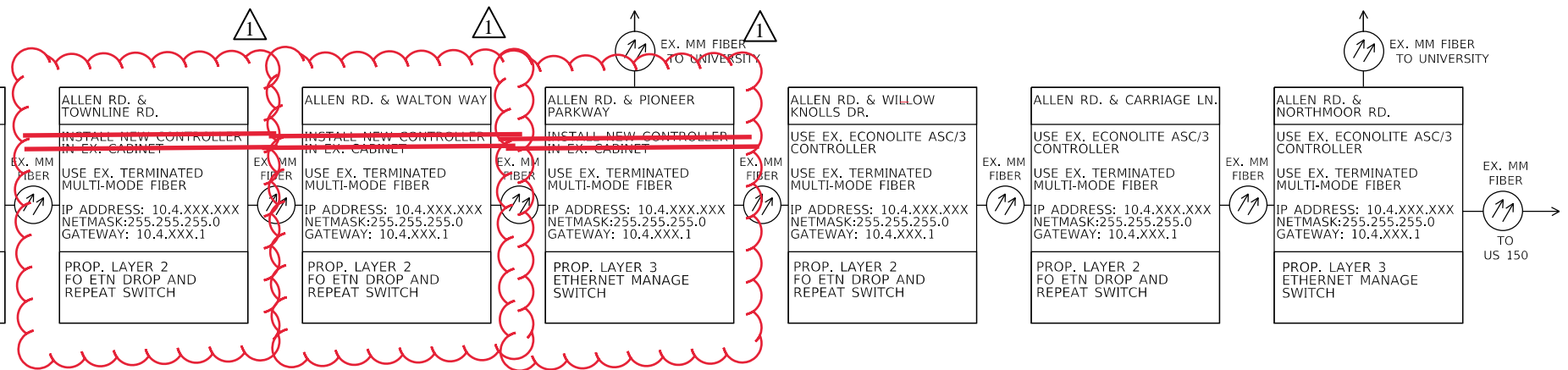
ALLEN RD. & NORTHMOOR RD.

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

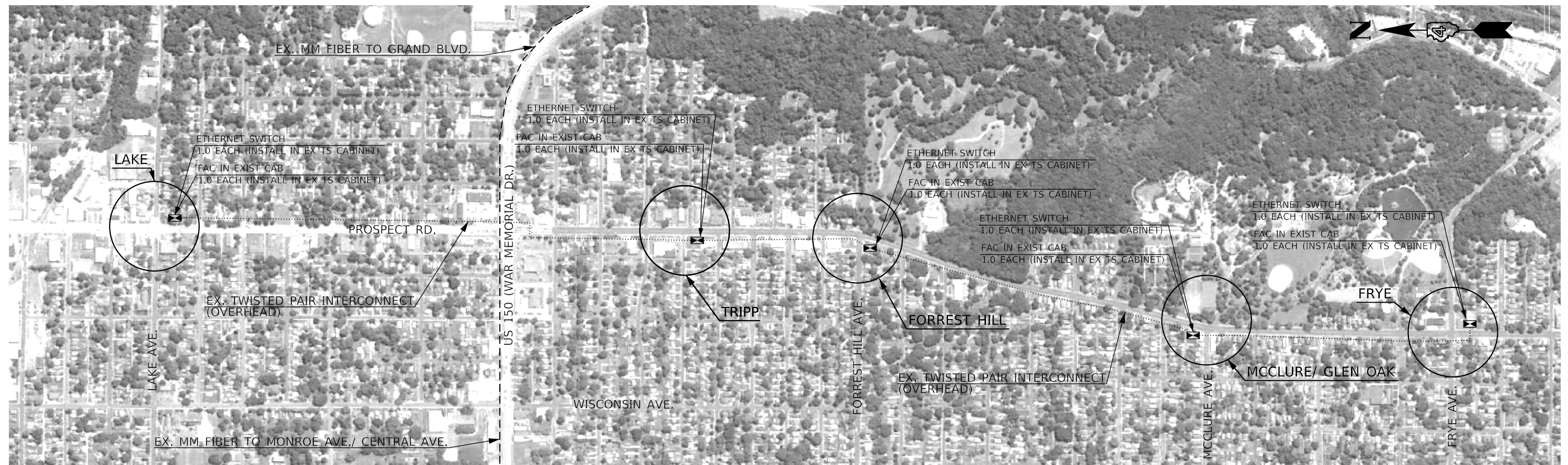
PROP. LAYER 3  
ETHERNET MANAGE SWITCH



NOT TO SCALE

|                     |                        |            |           |   |  |                           |             |        |              |           |  |
|---------------------|------------------------|------------|-----------|---|--|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>ALLEN RD. FROM WILHELM RD. TO NORTHMOOR RD.</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALE\$ | DRAWN -    | REVISED - |   |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 43        |  |
|                     | PLOT DATE = \$DATE\$   | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                        | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |             |        |              |           |  |





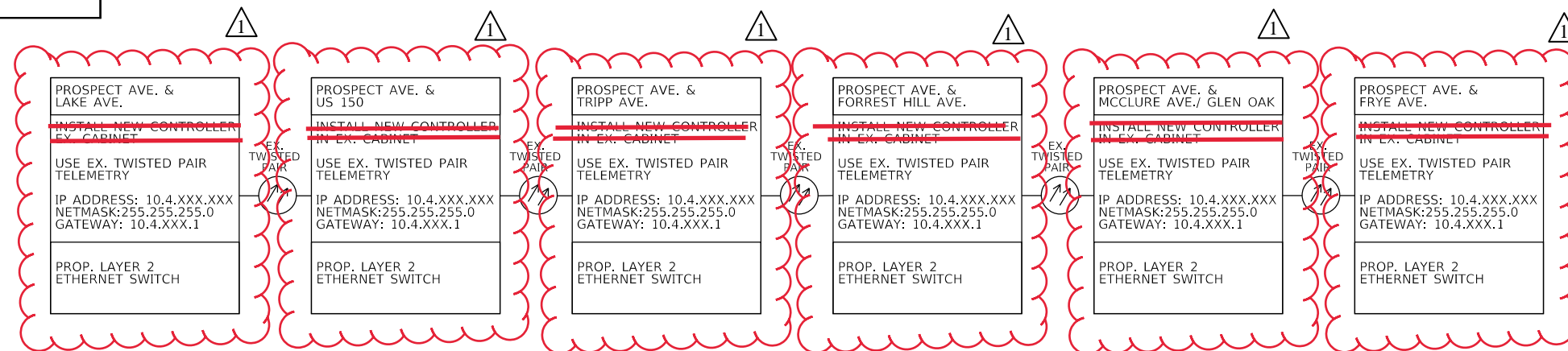
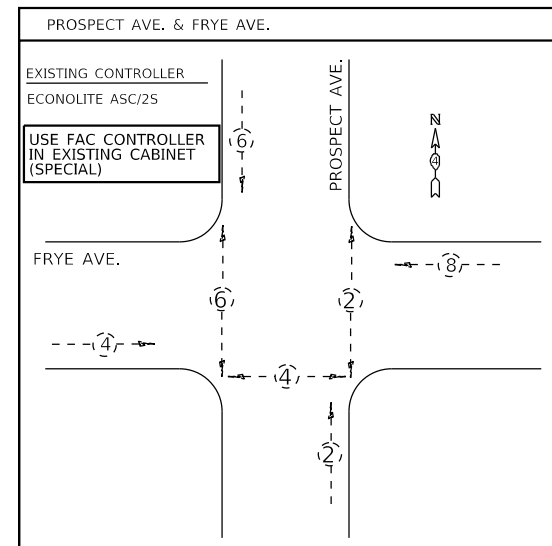
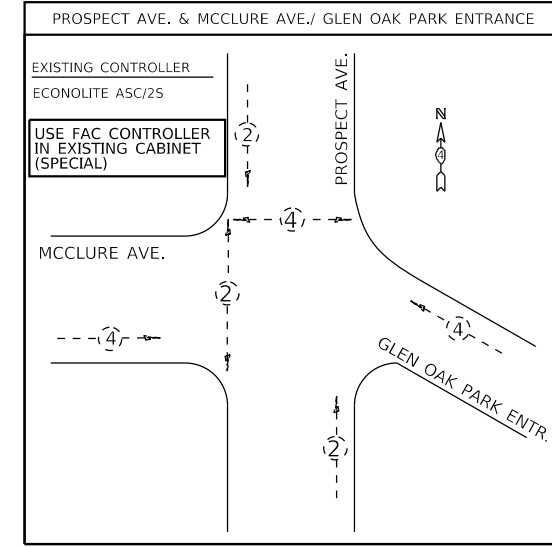
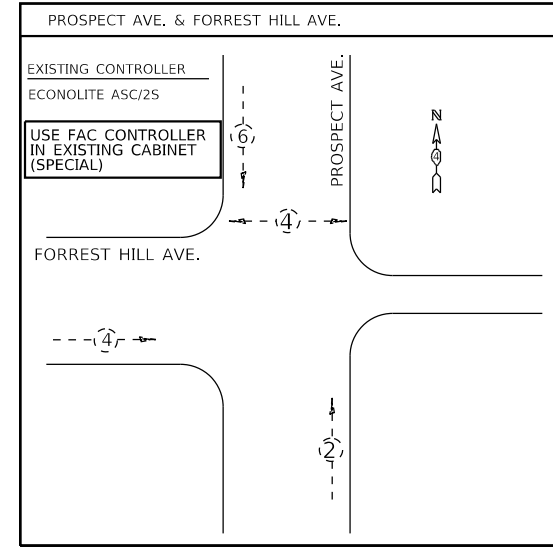
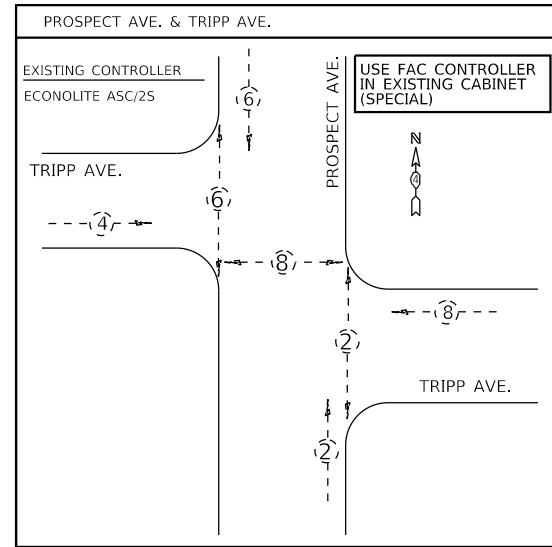
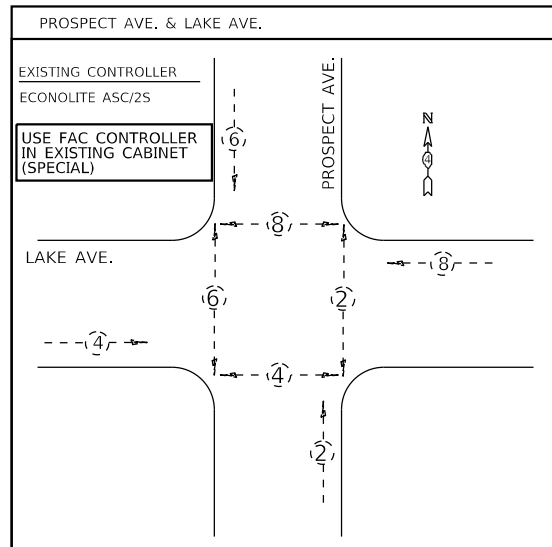
| BILL OF MATERIALS   |                 |                |
|---|-----------------|----------------|
| ITEM DESCRIPTION  | UNIT            | QUANTITY       |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>5.0</del> |
| ETHERNET SWITCH   | EACH            | 5.0            |

| SCHEDULE OF QUANTITIES  |                 |                           |                            |                                   |   |                           |
|---|-----------------|---------------------------|----------------------------|-----------------------------------|---|---------------------------|
| ITEM DESCRIPTION  | QTY.            | PROSPECT AVE. & LAKE AVE. | PROSPECT AVE. & TRIPP AVE. | PROSPECT AVE. & FORREST HILL AVE. | PROSPECT AVE. & MCLURE AVE./ GLEN OAK PARK ENTRANCE | PROSPECT AVE. & FRYE AVE. |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>1.0</del>            | <del>1.0</del>             | <del>1.0</del>                    | <del>1.0</del>                                      | <del>1.0</del>            |
| ETHERNET SWITCH   | EACH            | 1.0                       | 1.0                        | 1.0                               | 1.0   | 1.0                       |

| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
|                       | EX. MULTI-MODE FIBER                           |
|                       | EX. TWISTED-PAIR INTERCONNECT                  |
|                       | PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET |

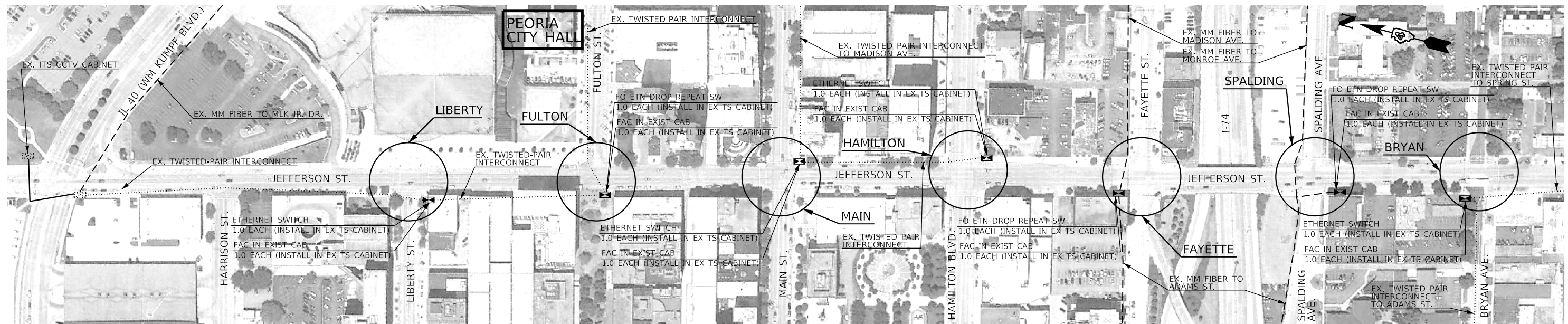
NOT TO SCALE

|                     |                       |            |           |   |  |                    |             |         |                           |           |  |
|---------------------|-----------------------|------------|-----------|---|--|--------------------|-------------|---------|---------------------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED IMPROVEMENTS ALONG PROSPECT AVE.<br/>FROM GLEN AVE. TO FRYE AVE.</b> | F.A.P. RTE.        | SECTION     | COUNTY  | TOTAL SHEETS              | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALES | DRAWN -    | REVISED - |   |  | VAR.               | D4 ITS 2018 | PEORIA  | 87                        | 44        |  |
|                     | PLOT DATE = \$DATES   | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20 |             |         |                           |           |  |
|                     |                       | DATE -     | REVISED - |   |  | SCALE:             | STA.        | TO STA. | ILLINOIS FED. AID PROJECT |           |  |



NOT TO SCALE

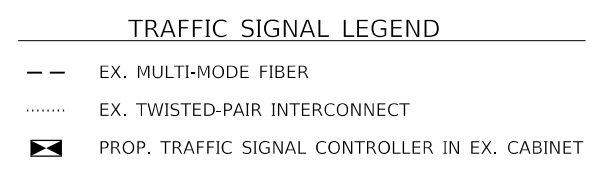
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|---------------------|------------------------|------------|-----------|---|--|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - | <p align="center"><b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b></p> | <p align="center"><b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>PROSPECT AVE. FROM GLEN AVE. TO FRYE AVE.</b></p> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALE\$ | DRAWN -    | REVISED - |   |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 45        |  |
|                     | PLOT DATE = \$DATE\$   | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                        | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |             |        |              |           |  |

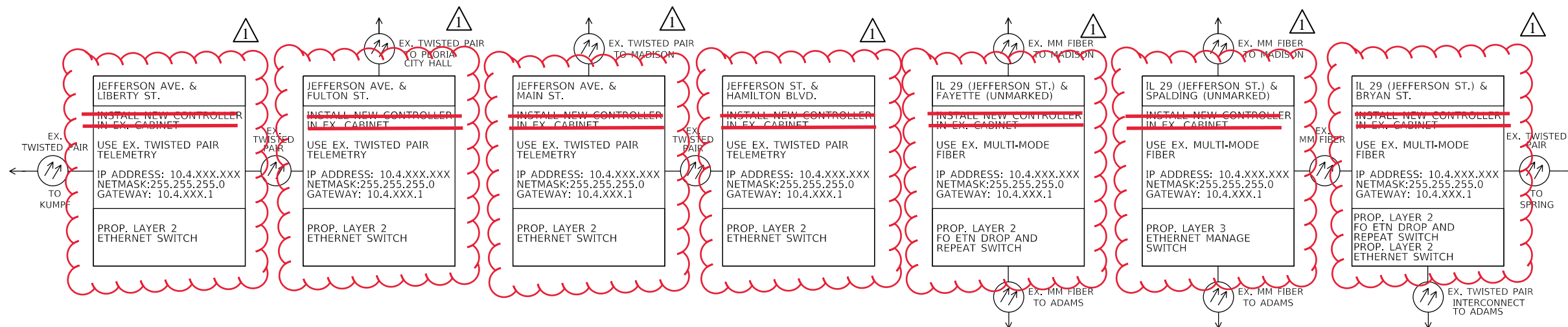
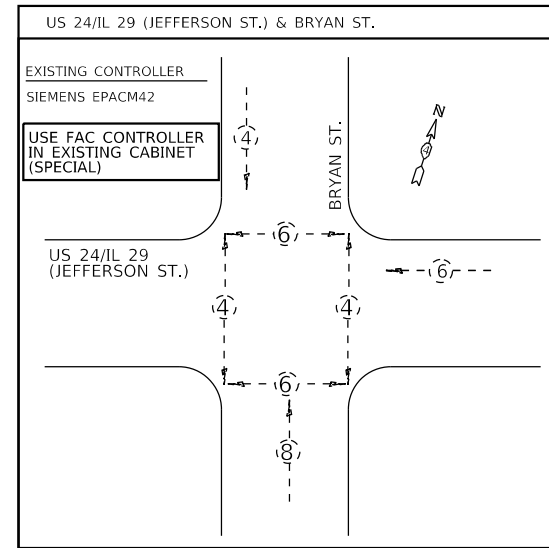
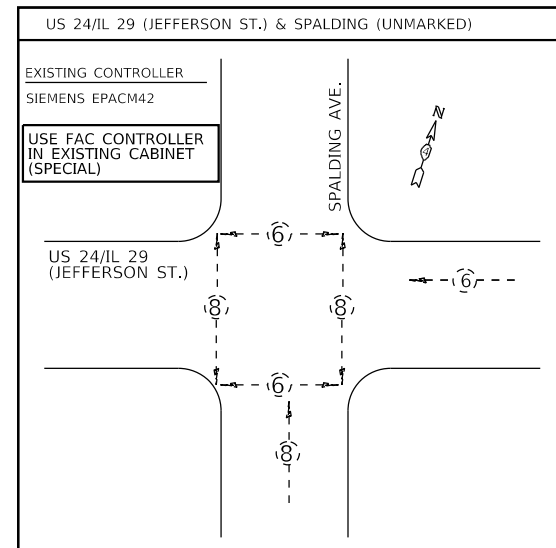
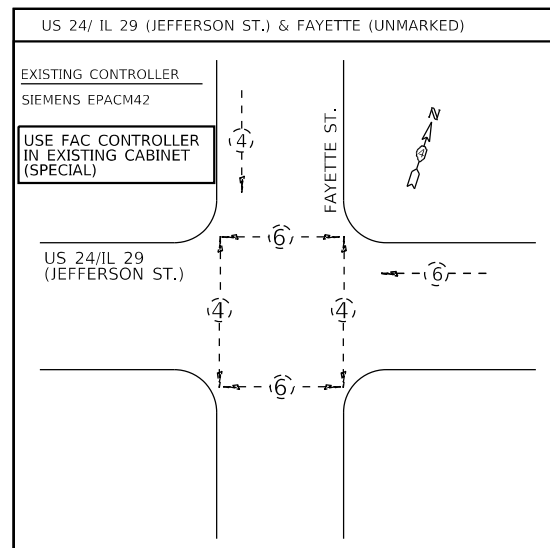
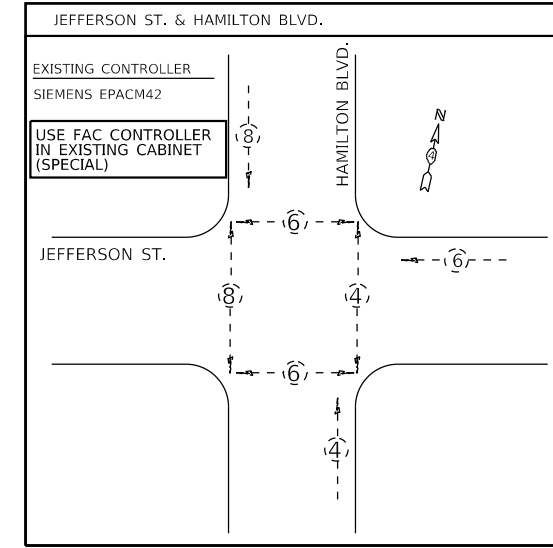
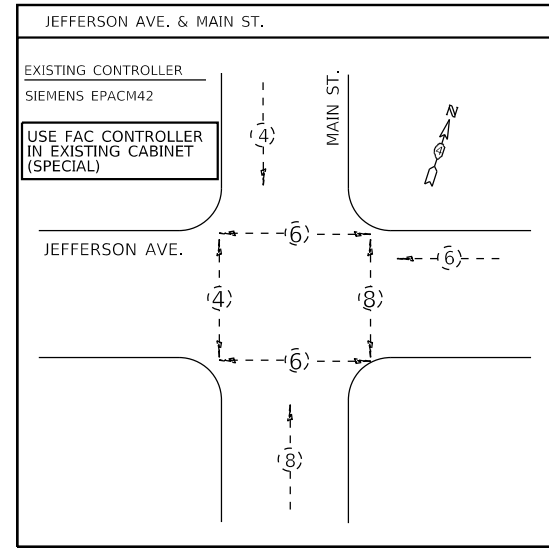
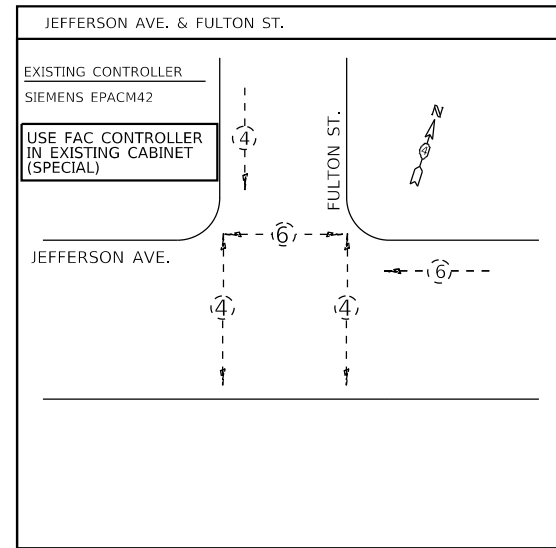
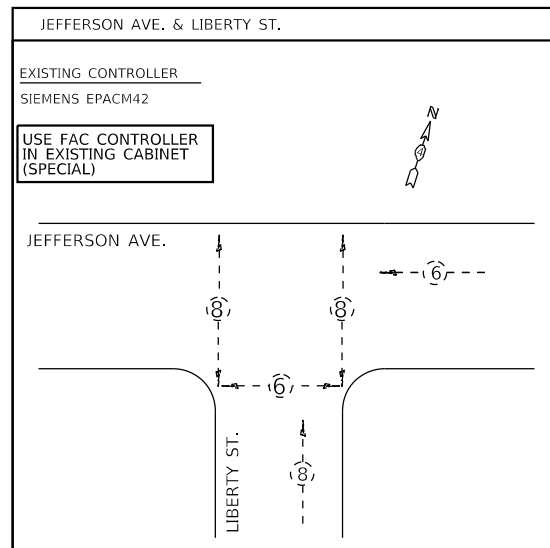


| BILL OF MATERIALS   |                 |                |
|---|-----------------|----------------|
| ITEM DESCRIPTION  | UNIT            | QUANTITY       |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>7.0</del> |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            | 2.0            |
| ETHERNET MANAGE SWITCH  | EACH            | 1.0            |
| ETHERNET SWITCH   | EACH            | 4.0            |

FIBER OPTIC CABLE SLACK  
 HANDHOLE: 10.0 FT.  
 DOUBLE HANDHOLE: 30.0 FT.  
 COMM. VAULT: 100.0 FT.  
 JUNCTION BOX: 10.0 FT.  
 ITS OR SIGNAL CABINET: 10.0 FT.

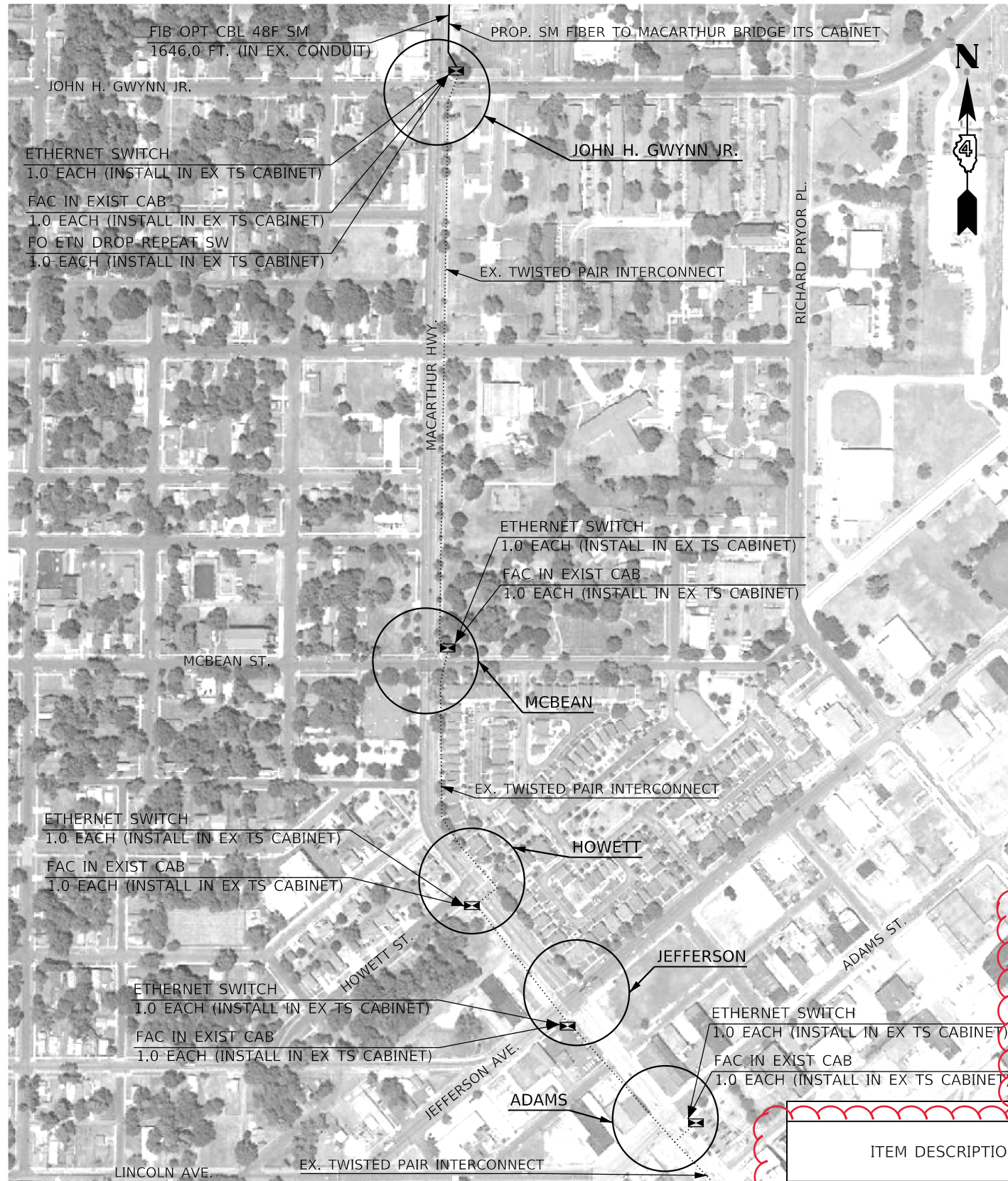
| ITEM DESCRIPTION  | QTY.            | SCHEDULE OF QUANTITIES      |                            |                          |                                |  |  |                                    |
|---|-----------------|-----------------------------|----------------------------|--------------------------|--------------------------------|--|--|------------------------------------|
|   |                 | JEFFERSON ST. & LIBERTY ST. | JEFFERSON ST. & FULTON ST. | JEFFERSON ST. & MAIN ST. | JEFFERSON ST. & HAMILTON BLVD. | JEFFERSON ST. & UNMARKED (FAYETTE ST.) | JEFFERSON ST. & UNMARKED (SPALDING AVE.) | IL 29 (JEFFERSON ST.) & BRYAN AVE. |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>1.0</del>              | <del>1.0</del>             | <del>1.0</del>           | <del>1.0</del>                 | <del>1.0</del>                         | <del>1.0</del>                           | <del>1.0</del>                     |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            |                             |                            |                          |                                | 1.0                                    |  | 1.0                                |
| ETHERNET MANAGE SWITCH  | EACH            |                             |                            |                          |                                |  | 1.0                                      |                                    |
| ETHERNET SWITCH   | EACH            | 1.0                         | 1.0                        | 1.0                      | 1.0                            |  |  |                                    |



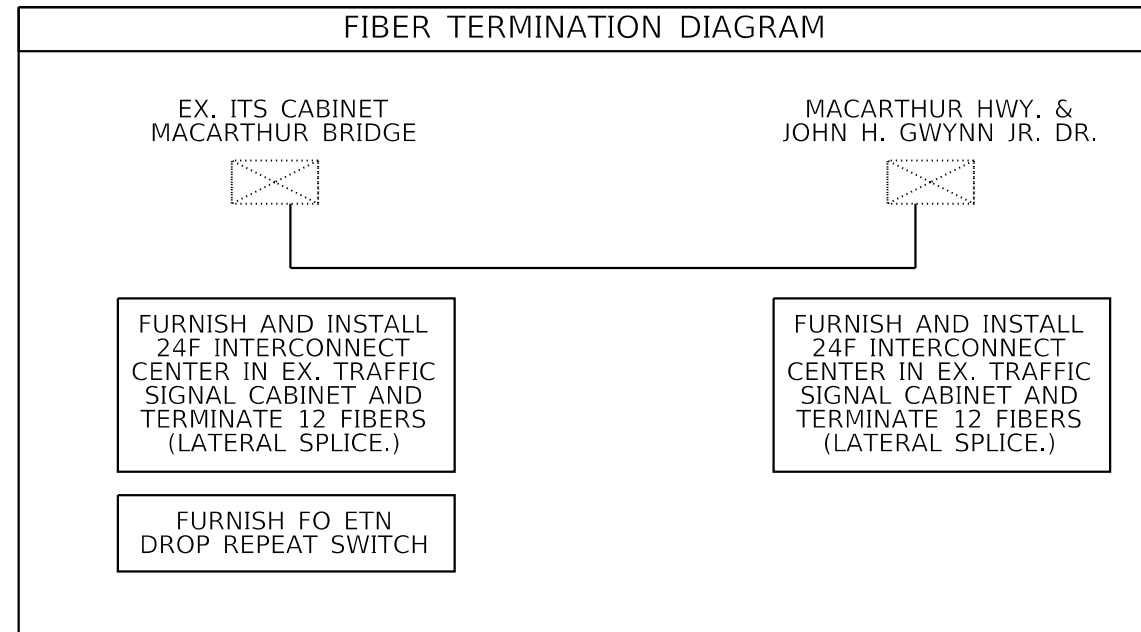


NOT TO SCALE

|                     |                        |            |           |   |   |                           |             |        |              |           |  |
|---------------------|------------------------|------------|-----------|---|---|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>JEFFERSON ST. FROM LIBERTY ST. TO BRYAN AVE.</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALE\$ | DRAWN -    | REVISED - |   |   | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 47        |  |
|                     | PLOT DATE = \$DATE\$   | CHECKED -  | REVISED - |   |   | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                        | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |             |        |              |           |  |

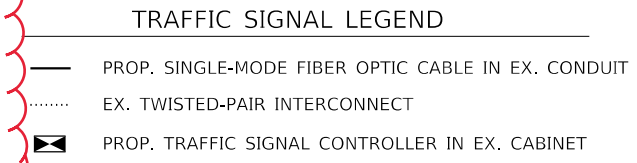


THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL AND ITS CABINET BY Laterally SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



**FIBER OPTIC CABLE SLACK**  
 HANDHOLE: 10.0 FT.  
 DOUBLE HANDHOLE: 30.0 FT.  
 COMM. VAULT: 100.0 FT.  
 JUNCTION BOX: 10.0 FT.  
 ITS OR SIGNAL CABINET: 10.0 FT.

| BILL OF MATERIALS                                      |      |          |
|--|------|----------|
| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 5.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 2.0      |
| ETHERNET SWITCH  | EACH | 5.0      |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE               | FOOT | 1646.0   |



| ITEM DESCRIPTION                                       | QTY. | SCHEDULE OF QUANTITIES                  |                             |                             |                                 |                            |                                  |  |
|--|------|---|-----------------------------|-----------------------------|---------------------------------|----------------------------|----------------------------------|--|
|  |      | MACARTHUR HWY. & JOHN H. GWYNN JR. AVE. | MACARTHUR HWY. & MCBEAN ST. | MACARTHUR HWY. & HOWETT ST. | MACARTHUR HWY. & JEFFERSON AVE. | MACARTHUR HWY. & ADAMS ST. | EX. ITS CABINET MACARTHUR BRIDGE |  |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0                                     | 1.0                         | 1.0                         | 1.0                             | 1.0                        |                                  |  |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 1.0                                     |                             |                             |                                 |                            | 1.0                              |  |
| ETHERNET SWITCH  | EACH | 1.0                                     | 1.0                         | 1.0                         | 1.0                             | 1.0                        |                                  |  |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE               | FOOT |   |                             |                             |                                 |                            | 1646.0                           |  |

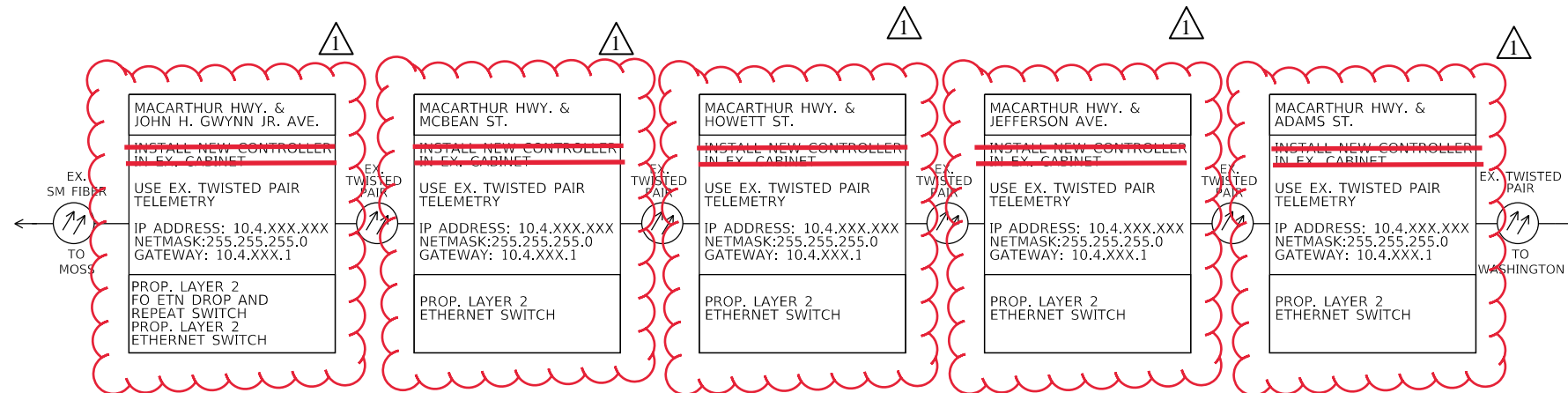
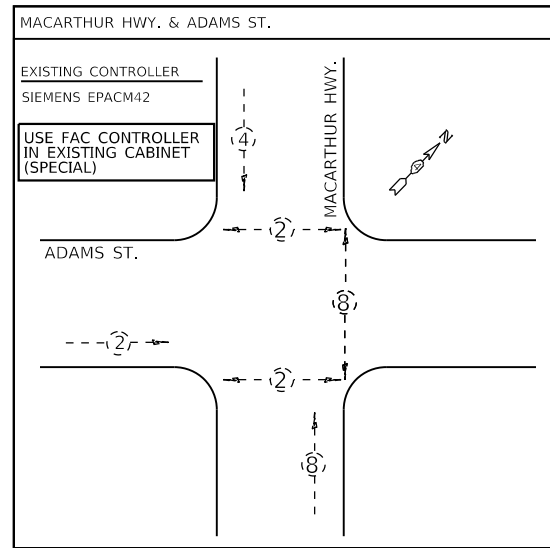
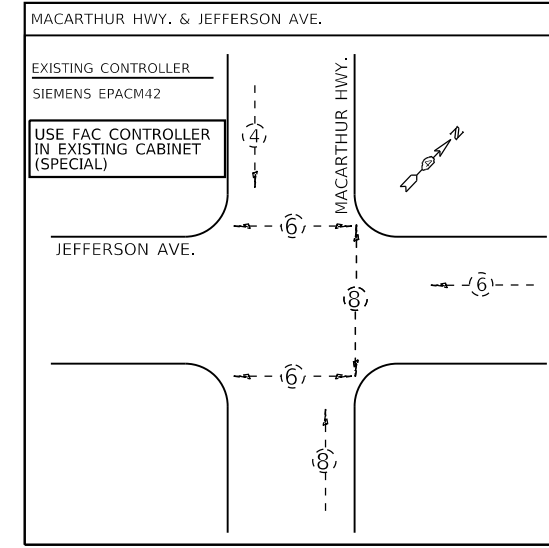
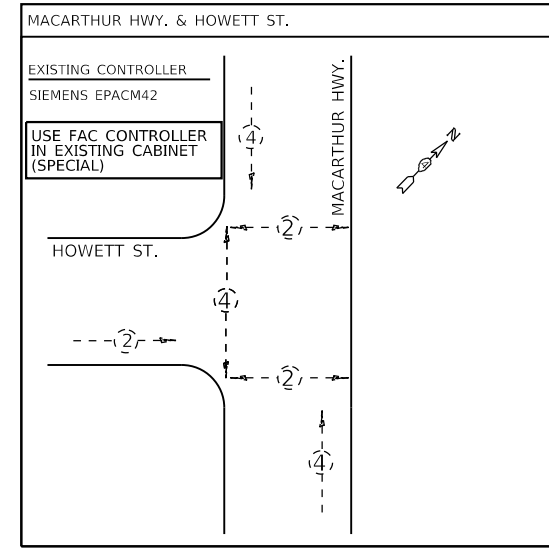
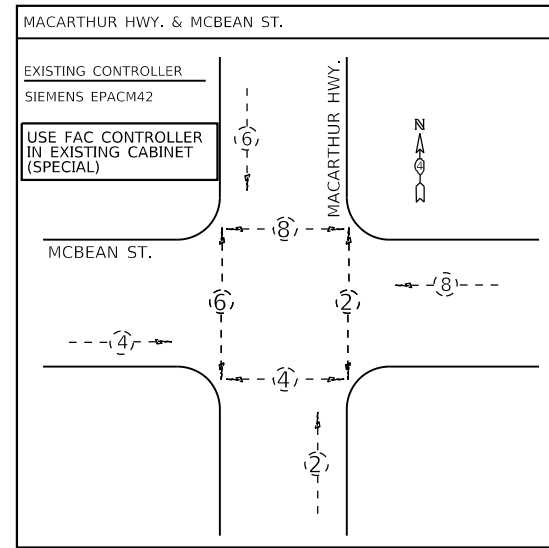
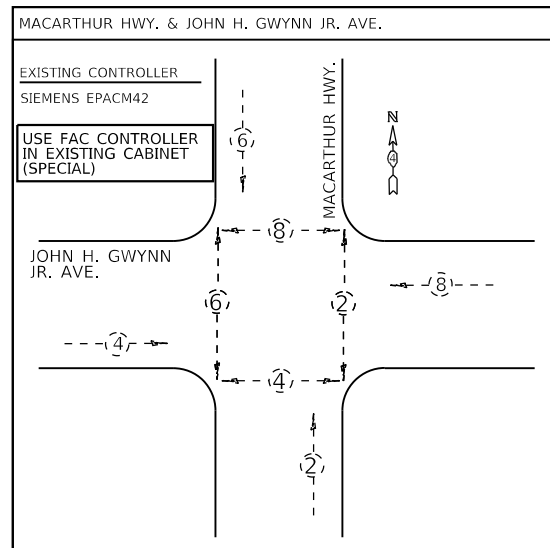
|                     |                     |            |           |
|---------------------|---------------------|------------|-----------|
| FILE NAME = \$FILES | USER NAME = \$USERS | DESIGNED - | REVISED - |
|                     |                     | DRAWN -    | REVISED - |
|                     |                     | CHECKED -  | REVISED - |
|                     |                     | DATE -     | REVISED - |

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**PROPOSED IMPROVEMENTS ALONG MACARTHUR HWY. FROM JOHN H. GWYNN JR. AVE. TO ADAMS ST.**

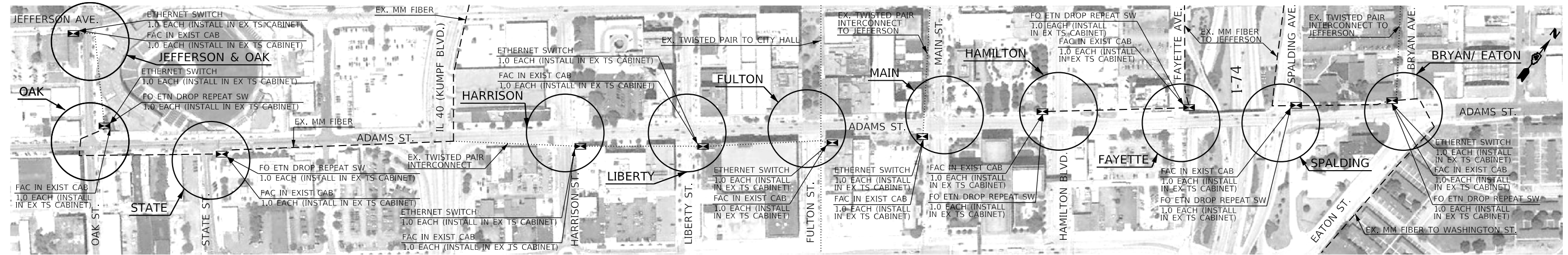
SCALE: \_\_\_\_\_ STA. TO STA. \_\_\_\_\_

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 48        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |



NOT TO SCALE

|                     |                       |            |           |   |  |                           |             |        |              |           |  |
|---------------------|-----------------------|------------|-----------|---|--|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>MACARTHUR HWY. FROM JOHN H. GWYNN JR. AVE. TO ADAMS ST.</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALES | DRAWN -    | REVISED - |   |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 49        |  |
|                     | PLOT DATE = \$DATES   | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                       | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



**BILL OF MATERIALS**

| ITEM DESCRIPTION  | UNIT            | QUANTITY        |
|---|-----------------|-----------------|
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>11.0</del> |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            | 6.0             |
| ETHERNET SWITCH   | EACH            | 7.0             |

**TRAFFIC SIGNAL LEGEND**

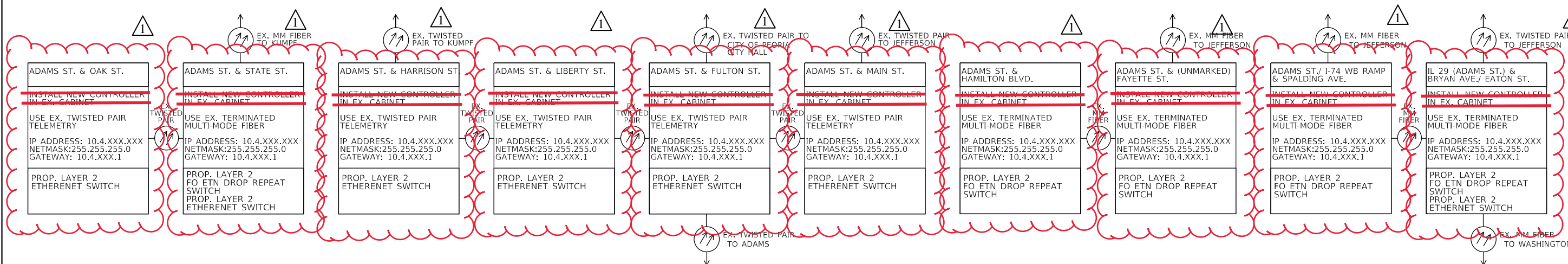
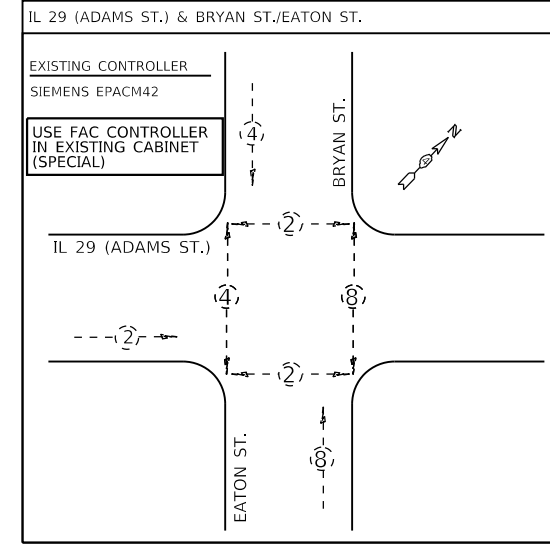
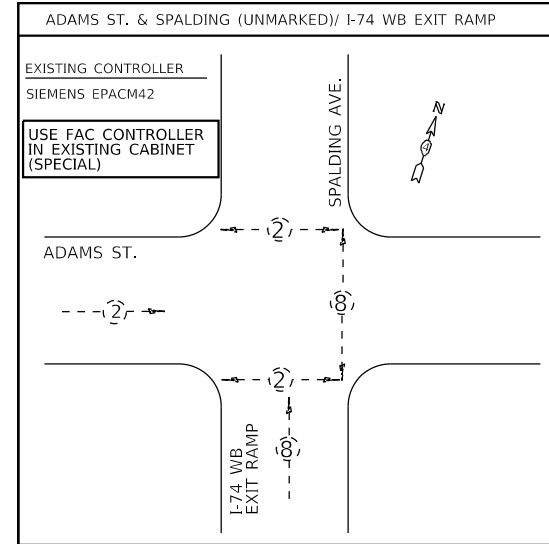
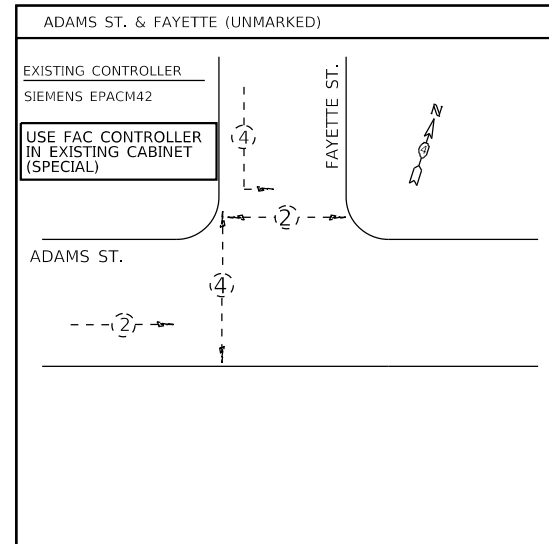
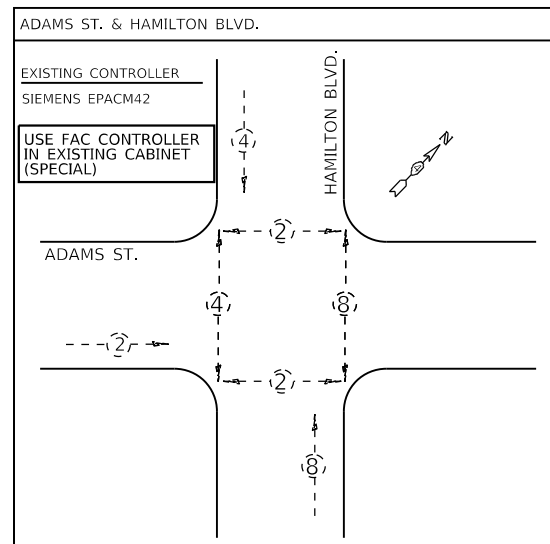
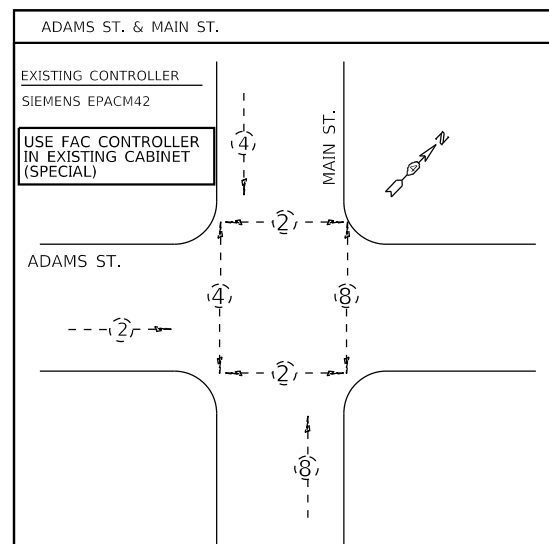
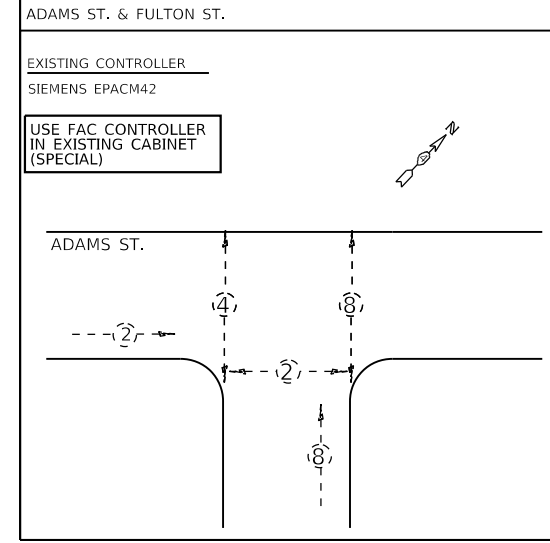
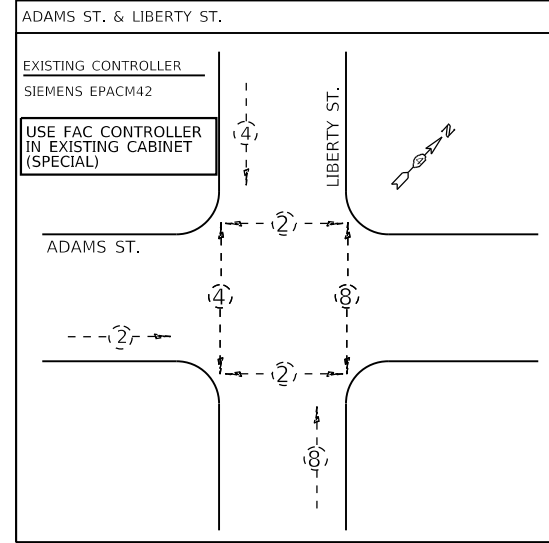
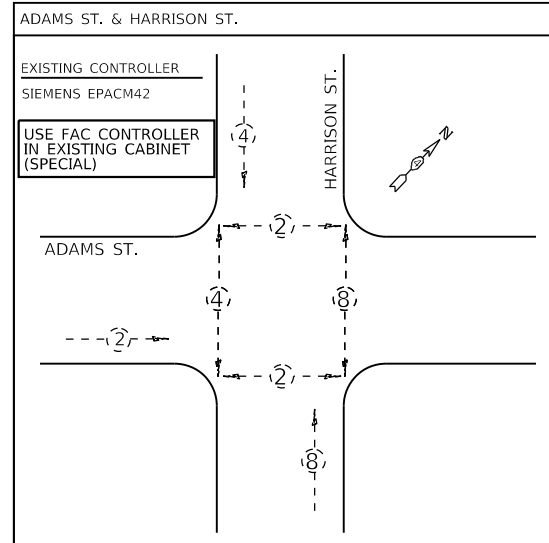
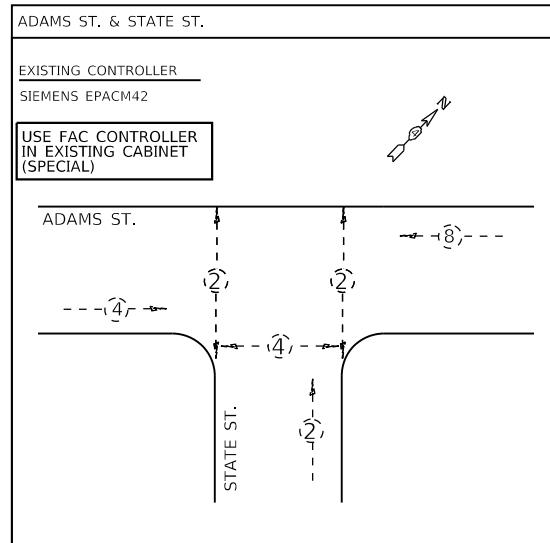
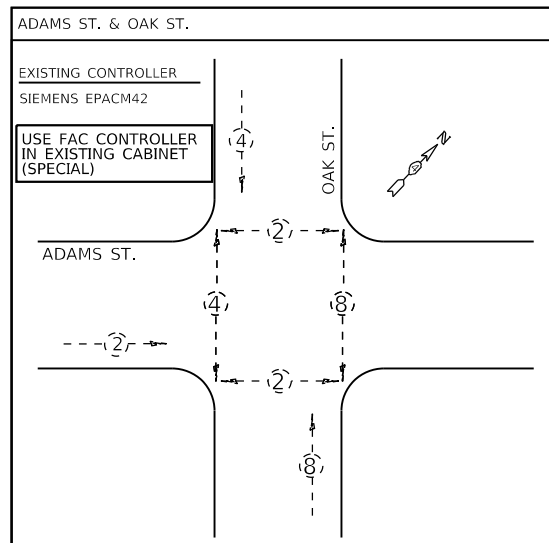
|       |  |
|-------|--|
| ---   | EX. MULTI-MODE FIBER                           |
| ..... | EX. TWISTED-PAIR INTERCONNECT                  |
| ⊠     | PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET |

**SCHEDULE OF QUANTITIES**

| ITEM DESCRIPTION  | QTY.            | JEFFERSON AVE. & OAK ST. | ADAMS ST. & OAK ST. | ADAMS ST. & STATE ST. | ADAMS ST. & HARRISON ST. | ADAMS ST. & LIBERTY ST. | ADAMS ST. & FULTON ST. | ADAMS ST. & MAIN ST. | ADAMS ST. & HAMILTON BLVD. | ADAMS ST. & UNMARKED (FAYETTE ST.) | ADAMS ST. / I-74 WB EXIT RAMP & UNMARKED (SPALDING AVE.) | IL 29 (ADAMS ST.) & BRYAN AVE. / EATON ST. |
|---|-----------------|--------------------------|---------------------|-----------------------|--------------------------|-------------------------|------------------------|----------------------|----------------------------|------------------------------------|--|--|
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>1.0</del>           | <del>1.0</del>      | <del>1.0</del>        | <del>1.0</del>           | <del>1.0</del>          | <del>1.0</del>         | <del>1.0</del>       | <del>1.0</del>             | <del>1.0</del>                     | <del>1.0</del>   | <del>1.0</del>                             |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            |                          | 1.0                 | 1.0                   |                          |                         |                        |                      | 1.0                        | 1.0                                | 1.0  | 1.0  |
| ETHERNET SWITCH   | EACH            | 1.0                      | 1.0                 |                       | 1.0                      | 1.0                     | 1.0                    | 1.0                  |                            |                                    |  | 1.0  |

NOT TO SCALE

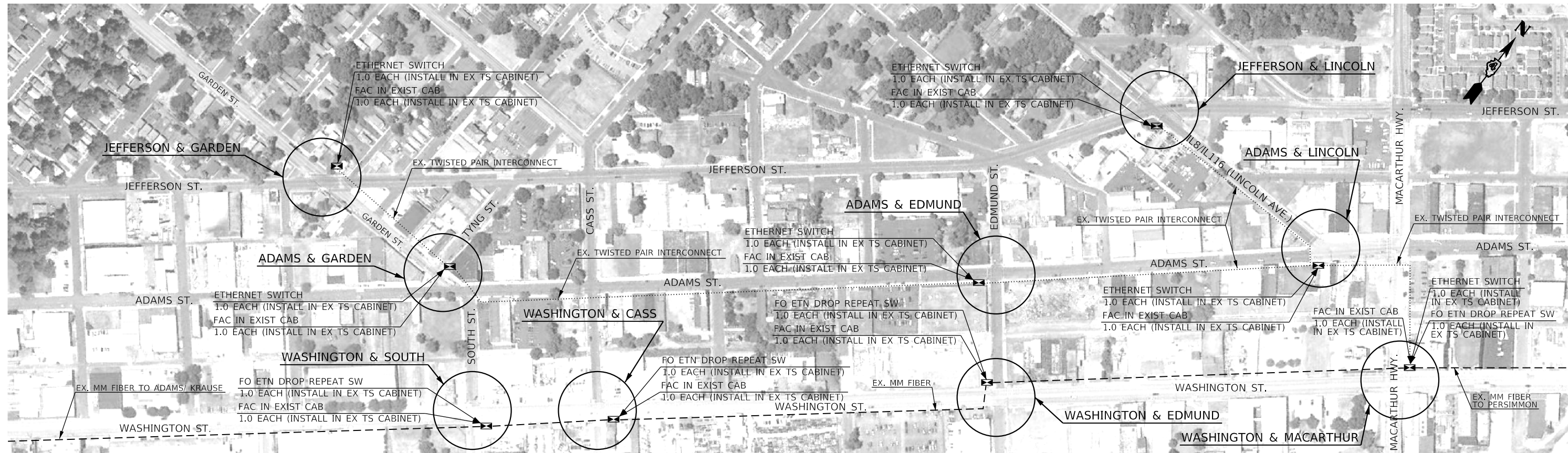
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| FILE NAME = | USER NAME = \$USERS | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED IMPROVEMENTS ALONG ADAMS ST.<br/>FROM OAK ST. TO BRYAN AVE./EATON ST.</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| \$FILES     |                     | DRAWN -    | REVISED - |   |   | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 50        |  |
|             |                     | CHECKED -  | REVISED - |   |   | CONTRACT NO. 68E20        |             |        |              |           |  |
|             |                     | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



NOT TO SCALE

|             |                       |            |           |   |   |                           |             |        |              |           |  |
|-------------|-----------------------|------------|-----------|---|---|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = \$USERS   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>ADAMS ST. FROM OAK ST. TO BRYAN AVE./EATON ST.</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| \$FILES     | PLOT SCALE = \$SCALES | DRAWN -    | REVISED - |   |   | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 51        |  |
|             | PLOT DATE = \$DATES   | CHECKED -  | REVISED - |   |   | CONTRACT NO. 68E20        |             |        |              |           |  |
|             |                       | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |             |        |              |           |  |





**BILL OF MATERIALS**

| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
|--|------|----------|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 9.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 4.0      |
| ETHERNET SWITCH  | EACH | 6.0      |

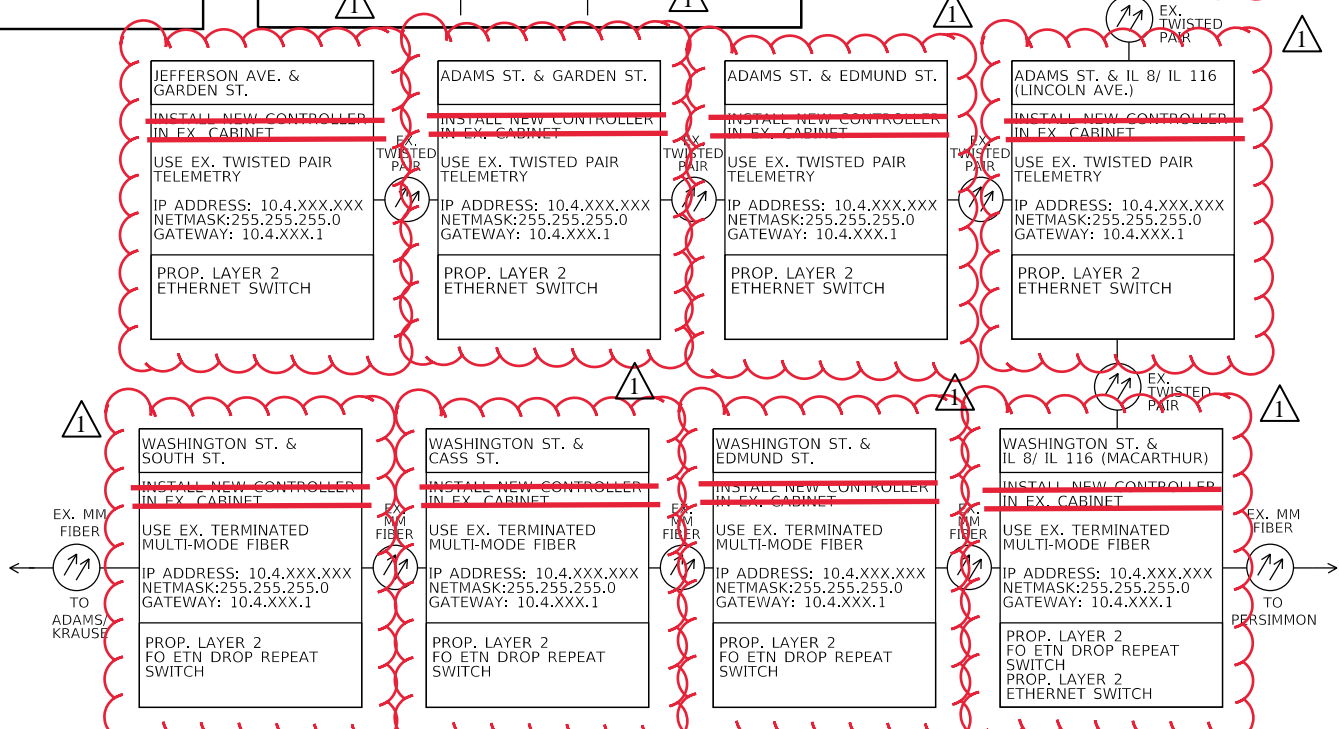
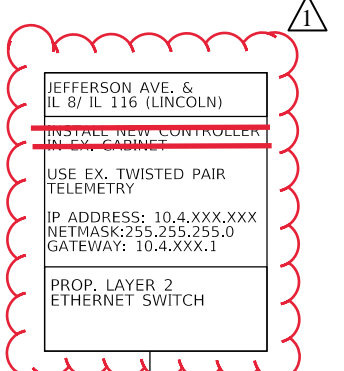
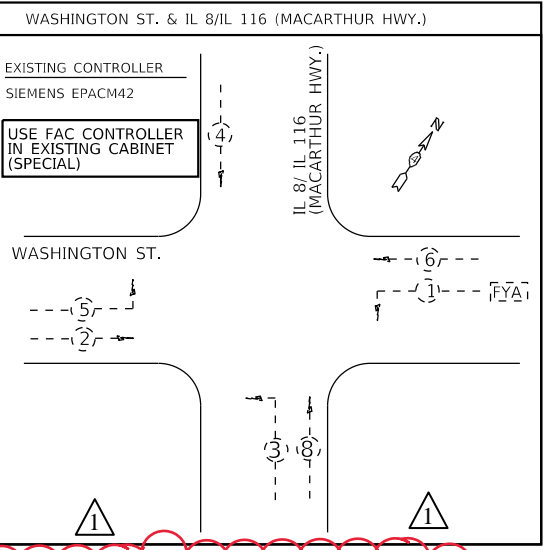
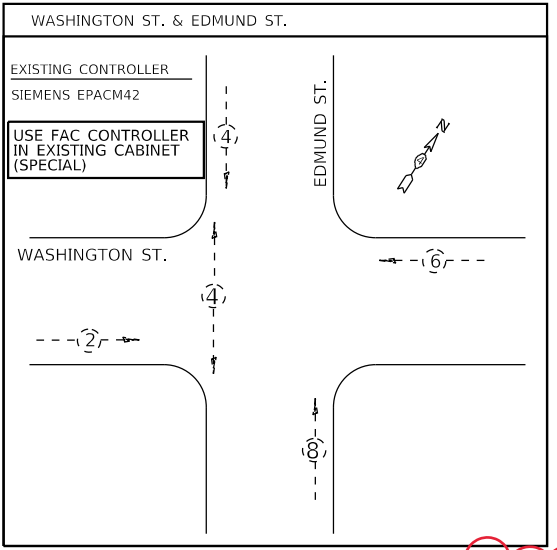
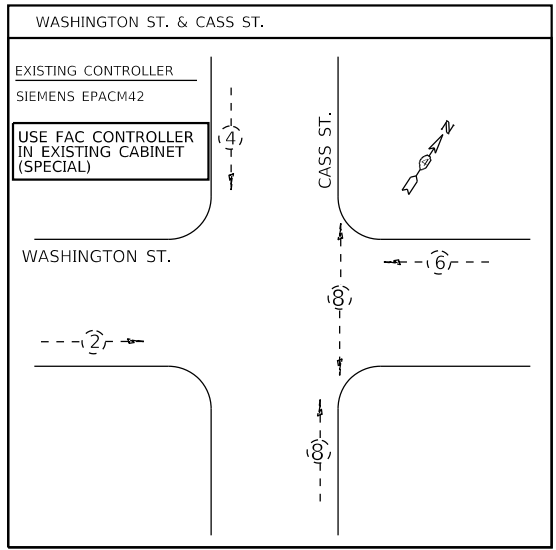
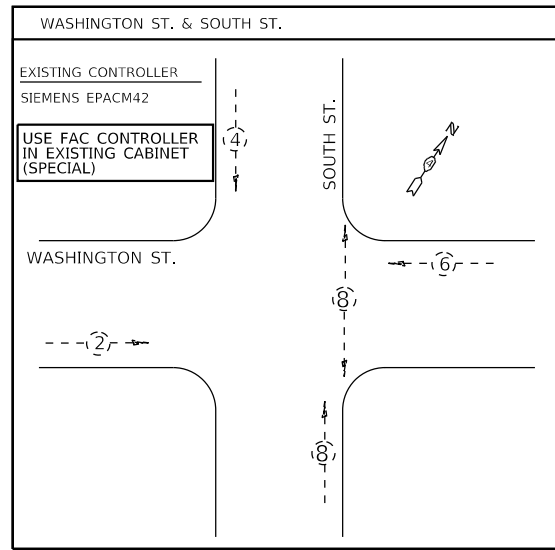
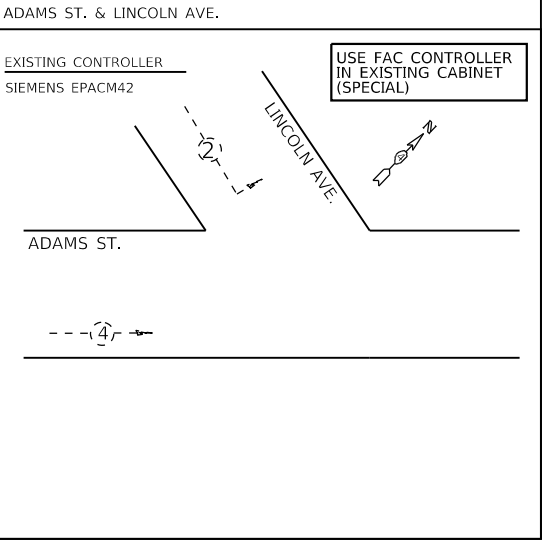
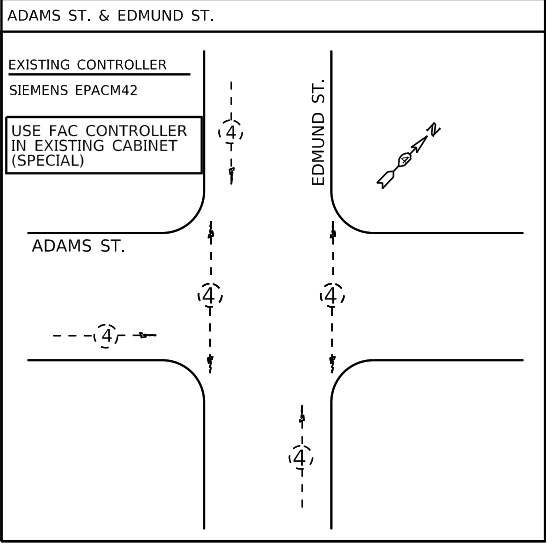
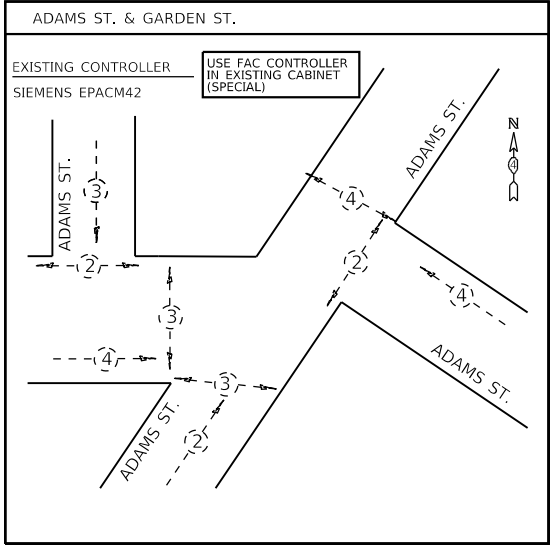
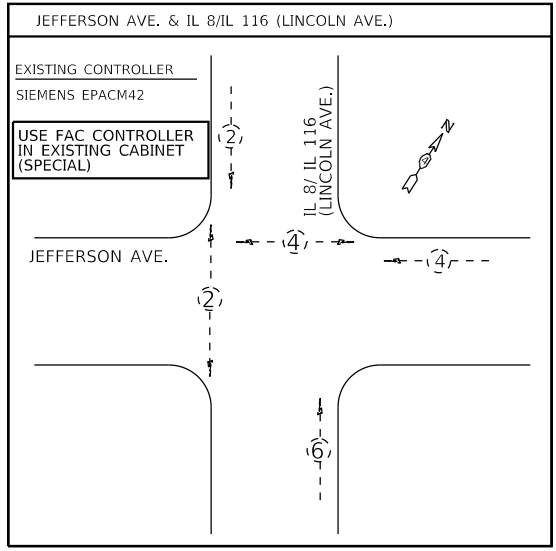
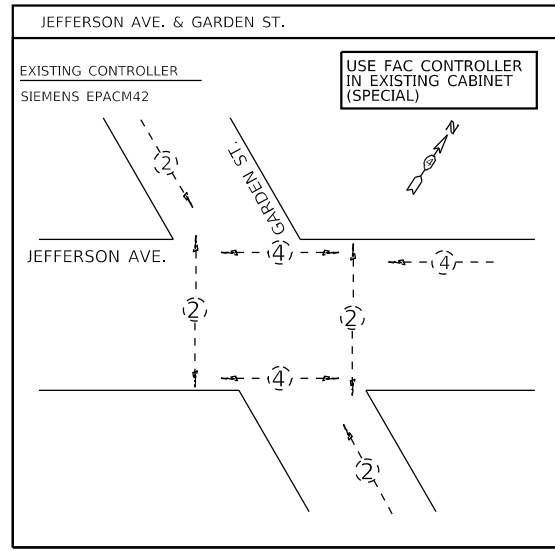
**SCHEDULE OF QUANTITIES**

| ITEM DESCRIPTION                                       | QTY. | JEFFERSON AVE. & GARDEN ST. | JEFFERSON AVE. & LINCOLN AVE. | ADAMS ST. & GARDEN ST. | ADAMS ST. & EDMUND ST. | ADAMS ST. & LINCOLN AVE. | WASHINGTON ST. & SOUTH ST. | WASHINGTON ST. & CASS ST. | WASHINGTON ST. & EDMUND ST. | WASHINGTON ST. & IL 8/ IL 116 (MACARTHUR HWY.) |
|--|------|-----------------------------|-------------------------------|------------------------|------------------------|--------------------------|----------------------------|---------------------------|-----------------------------|--|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0                         | 1.0                           | 1.0                    | 1.0                    | 1.0                      | 1.0                        | 1.0                       | 1.0                         | 1.0  |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH |                             |                               |                        |                        |                          | 1.0                        | 1.0                       | 1.0                         | 1.0  |
| ETHERNET SWITCH  | EACH | 1.0                         | 1.0                           | 1.0                    | 1.0                    | 1.0                      |                            |                           |                             | 1.0  |

**TRAFFIC SIGNAL LEGEND**

- EX. MULTI-MODE FIBER
- ..... EX. TWISTED-PAIR INTERCONNECT
- ⊠ PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

NOT TO SCALE



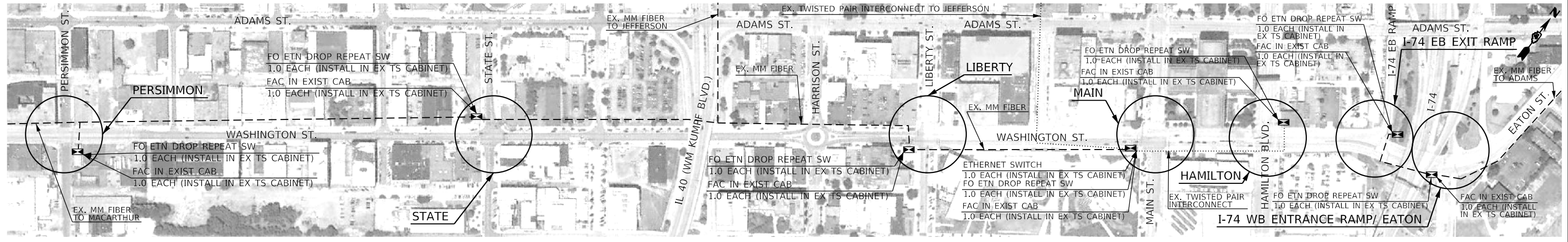
NOT TO SCALE

|                     |                       |            |           |
|---------------------|-----------------------|------------|-----------|
| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISED - |
|                     |                       | DRAWN -    | REVISED - |
|                     | PLOT SCALE = \$SCALES | CHECKED -  | REVISED - |
|                     | PLOT DATE = \$DATES   | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PHASE AND COMMUNICATION DIAGRAMS  
VARIOUS ROUTES FROM GARDEN ST. TO IL8/IL 116 (MACARTHUR HWY.)

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 53        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |



1

| BILL OF MATERIALS   |                 |                |
|---|-----------------|----------------|
| ITEM DESCRIPTION  | UNIT            | QUANTITY       |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>7.0</del> |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            | 6.0            |
| ETHERNET SWITCH   | EACH            | 2.0            |

SCHEDULE OF QUANTITIES

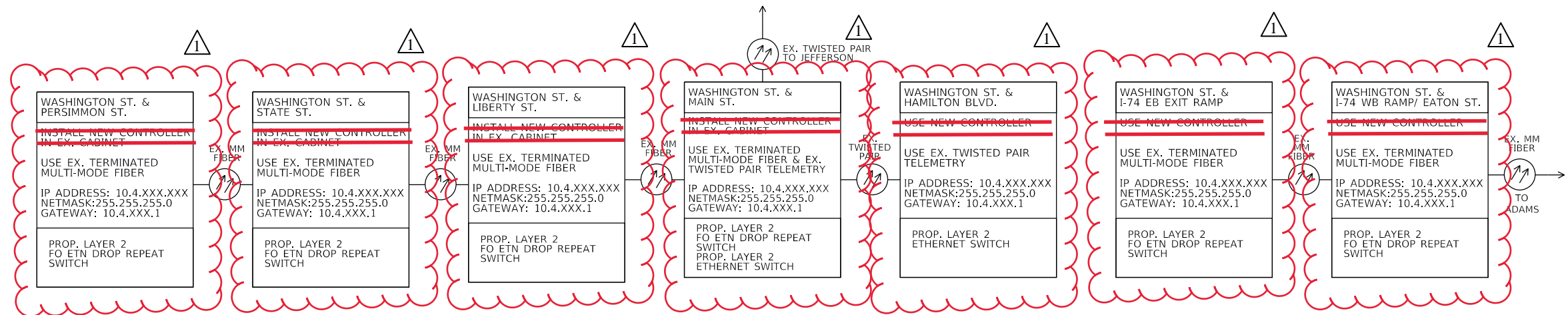
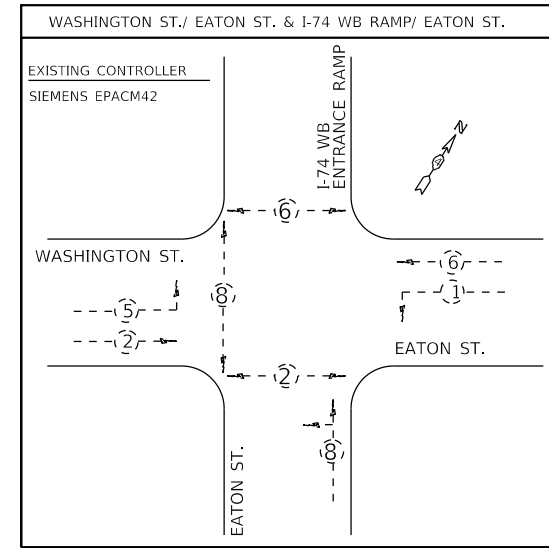
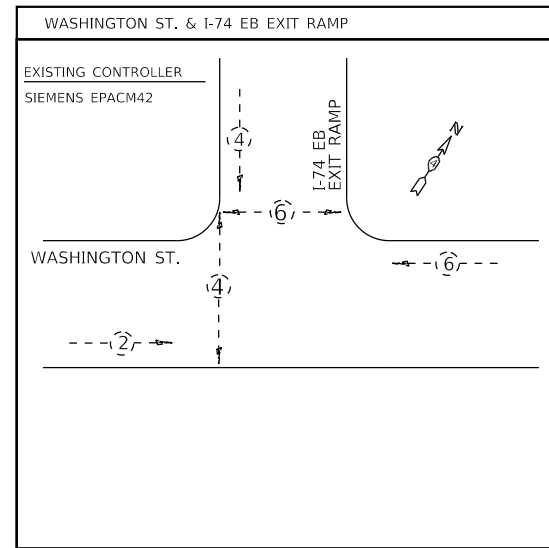
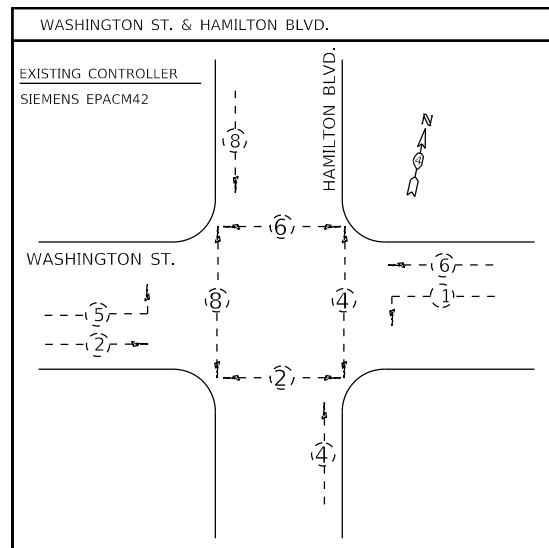
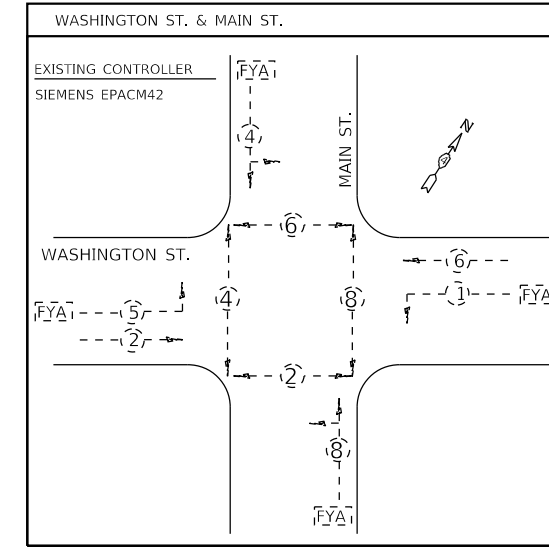
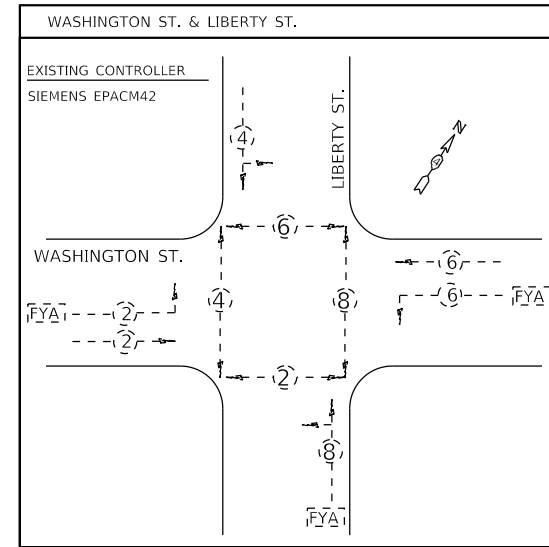
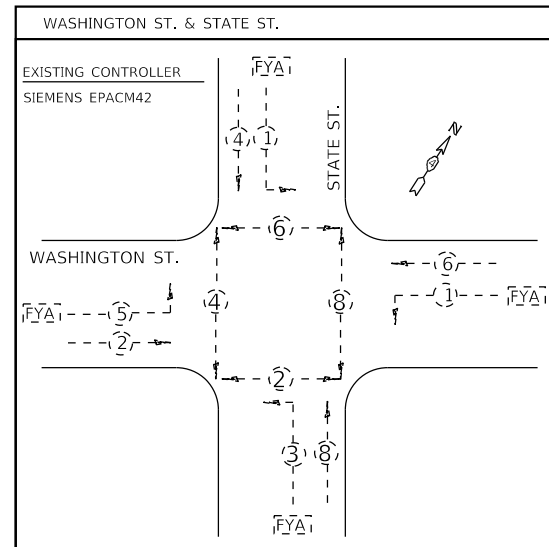
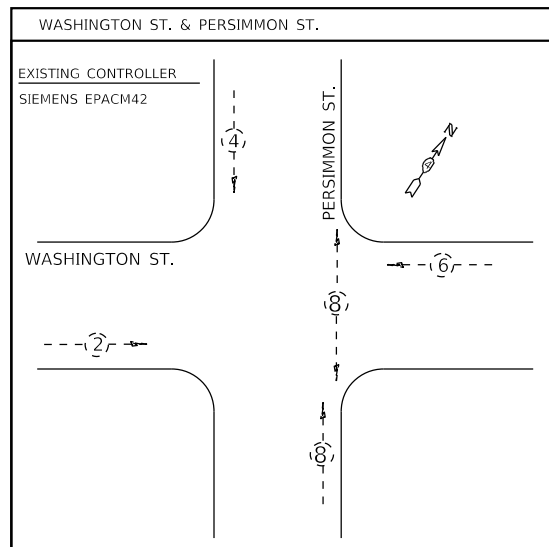
1

| ITEM DESCRIPTION  | QTY.            | WASHINGTON ST. & PERSIMMON ST. | WASHINGTON ST. & STATE ST. | WASHINGTON ST. & LIBERTY ST. | WASHINGTON ST. & MAIN ST. | WASHINGTON ST. & HAMILTON BLVD. | (UNMARKED) WASHINGTON ST. & I-74 EB EXIT RAMP | (UNMARKED) WASHINGTON ST. & EATON ST./ I-74 WB ENTRANCE RAMP |
|---|-----------------|--------------------------------|----------------------------|------------------------------|---------------------------|---------------------------------|---|--|
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>1.0</del>                 | <del>1.0</del>             | <del>1.0</del>               | <del>1.0</del>            | <del>1.0</del>                  | <del>1.0</del>                                | <del>1.0</del>   |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            | 1.0                            | 1.0                        | 1.0                          | 1.0                       |                                 | 1.0   | 1.0  |
| ETHERNET SWITCH   | EACH            |                                |                            |                              | 1.0                       | 1.0                             |   |  |

**TRAFFIC SIGNAL LEGEND**

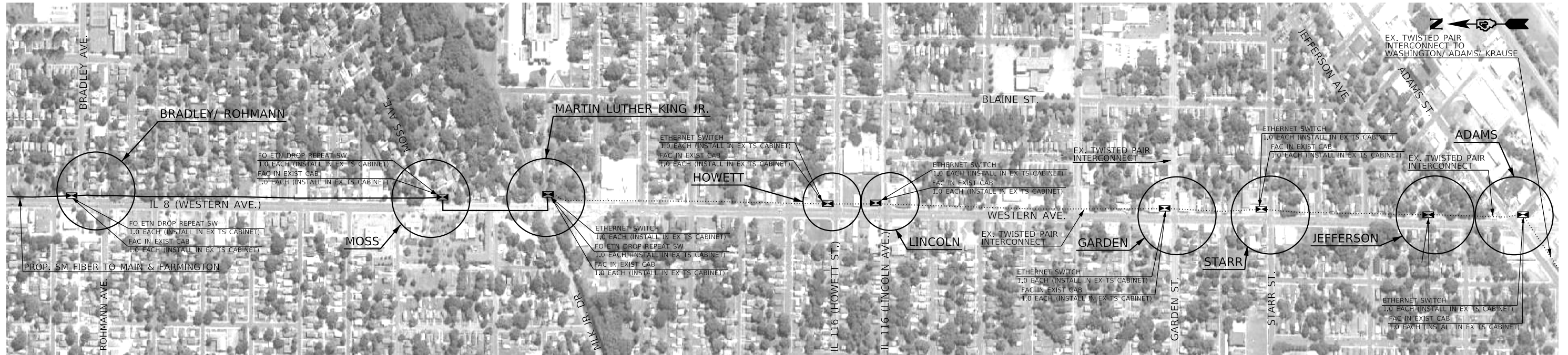
- EX. MULTI-MODE FIBER
- ..... EX. TWISTED-PAIR INTERCONNECT
- ◀ PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

NOT TO SCALE



NOT TO SCALE

|                     |                        |            |           |   |  |             |             |         |                    |                  |  |
|---------------------|------------------------|------------|-----------|---|--|-------------|-------------|---------|--------------------|------------------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - | <p align="center"><b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b></p> | <p align="center"><b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>WASHINGTON ST. FROM PERSIMMON ST. TO I-74 WB RAMP/EATON ST.</b></p> | F.A.P. RTE. | SECTION     | COUNTY  | TOTAL SHEETS       | SHEET NO.        |  |
|                     | PLOT SCALE = \$SCALE\$ | CHECKED -  | REVISED - |   |  | VAR.        | D4 ITS 2018 | PEORIA  | 87                 | 55               |  |
|                     | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |   |  | SCALE:      | STA.        | TO STA. | CONTRACT NO. 68E20 |                  |  |
|                     |                        |            |           |   |  |             |             |         | ILLINOIS           | FED. AID PROJECT |  |



SEE SHEET 85 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG IL 8 (WESTERN AVE.) FROM IL 8 (FARMINGTON RD.) TO MLK JR. DR.

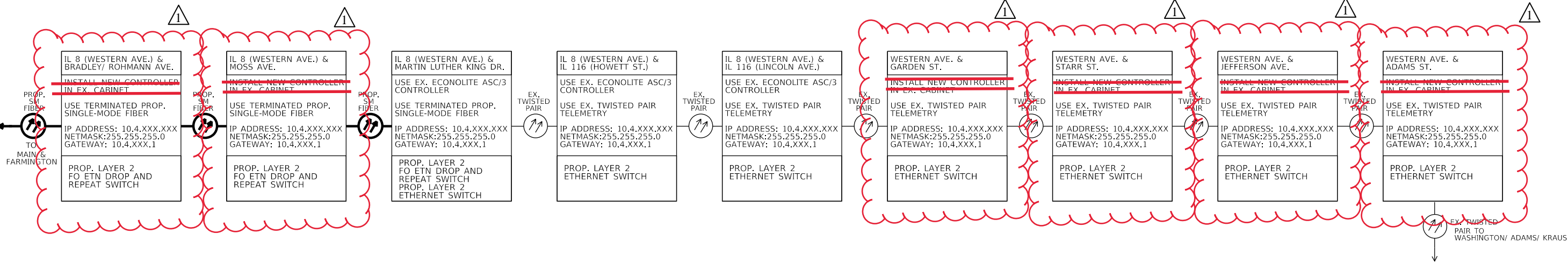
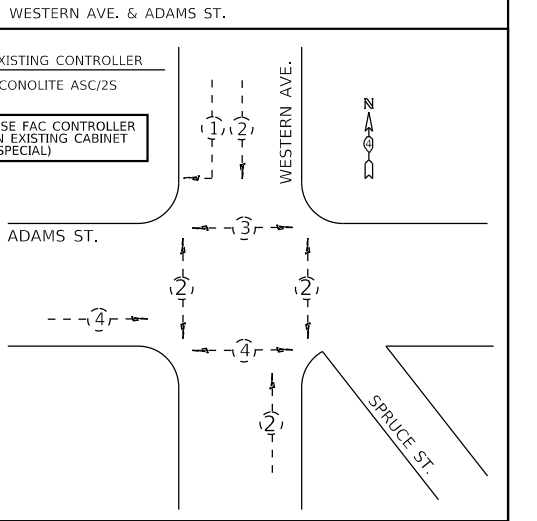
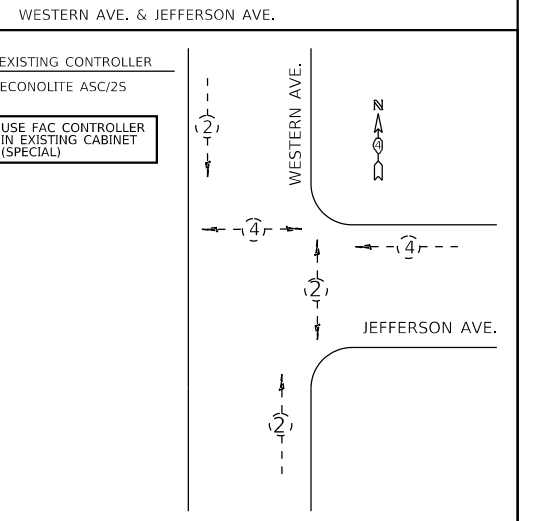
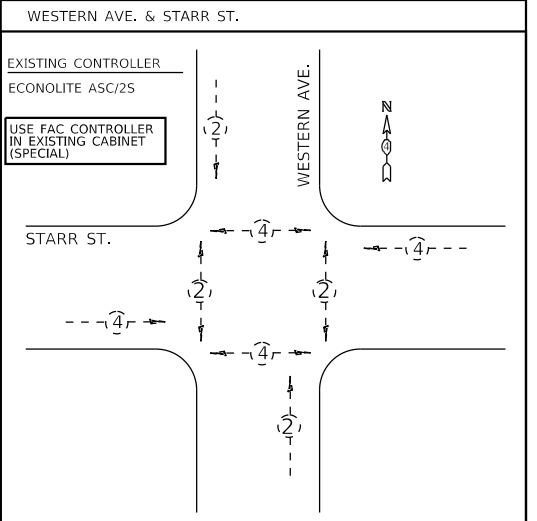
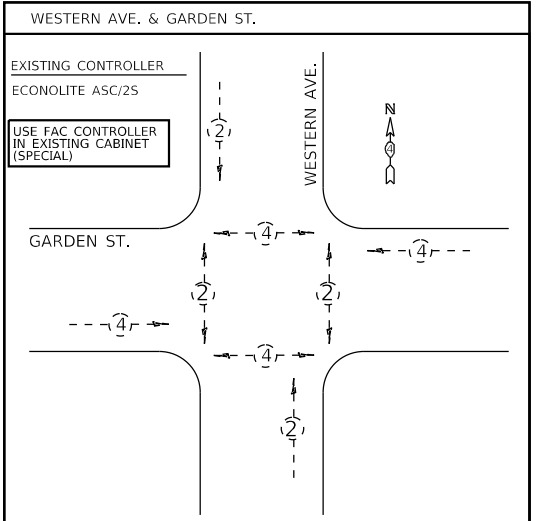
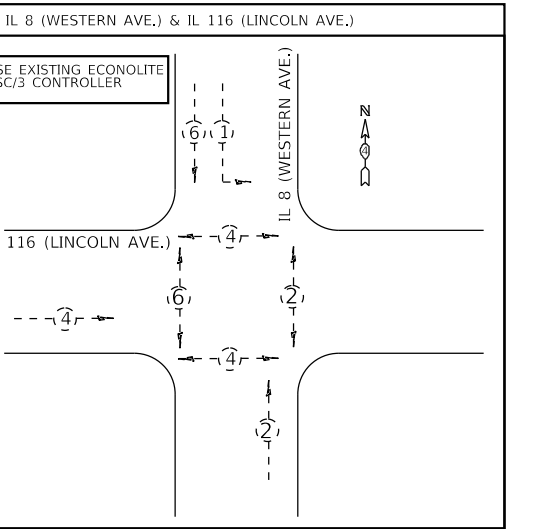
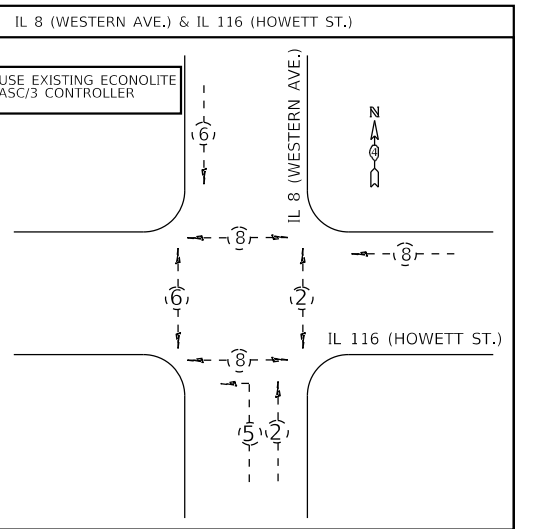
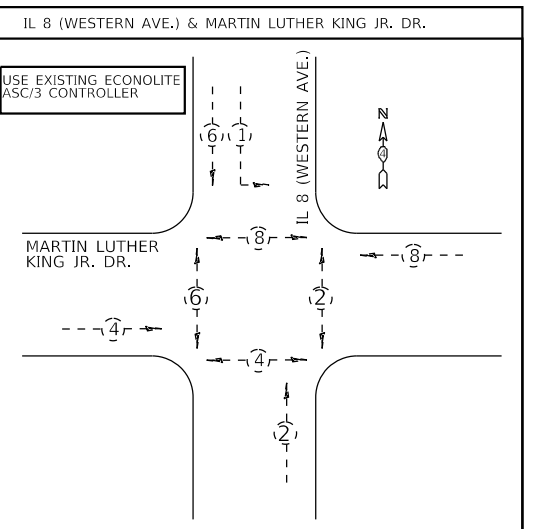
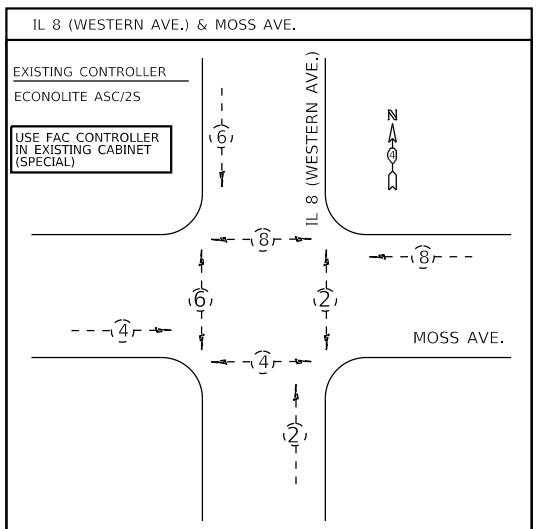
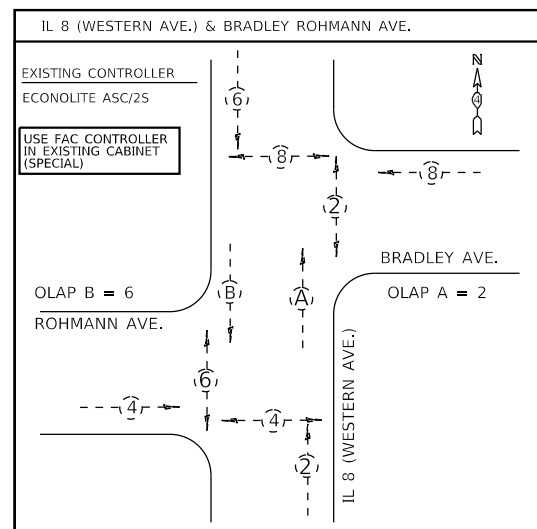
| BILL OF MATERIALS                                      |      |          |
|--|------|----------|
| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 6.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 3.0      |
| ETHERNET SWITCH  | EACH | 6.0      |

| FIBER OPTIC CABLE SLACK |           |
|-------------------------|-----------|
| HANDHOLE:               | 10.0 FT.  |
| DOUBLE HANDHOLE:        | 30.0 FT.  |
| COMM. VAULT:            | 100.0 FT. |
| JUNCTION BOX:           | 10.0 FT.  |
| ITS OR SIGNAL CABINET:  | 10.0 FT.  |

| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
| ---                   | EX. MULTI-MODE FIBER                           |
| .....                 | EX. TWISTED-PAIR INTERCONNECT                  |
| ⊠                     | PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET |
| —                     | PROP. SINGLE-MODE FIBER IN EX. CONDUIT         |

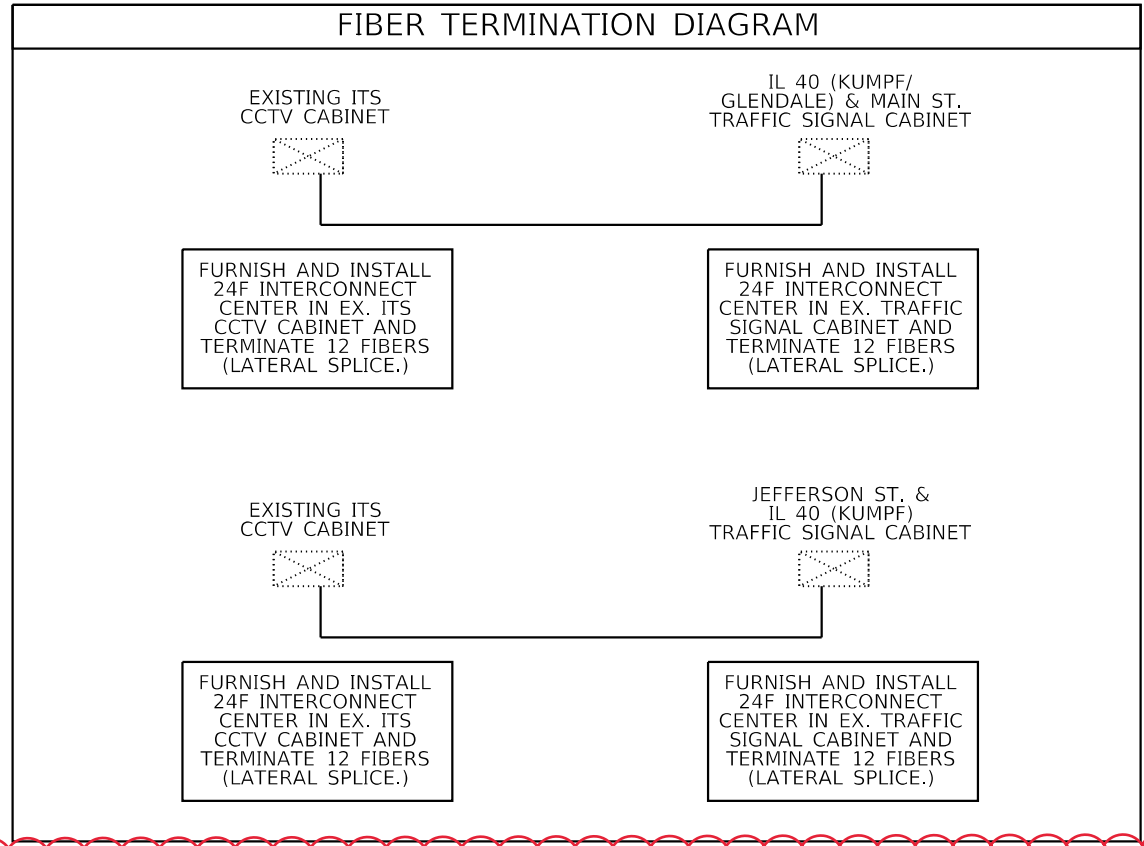
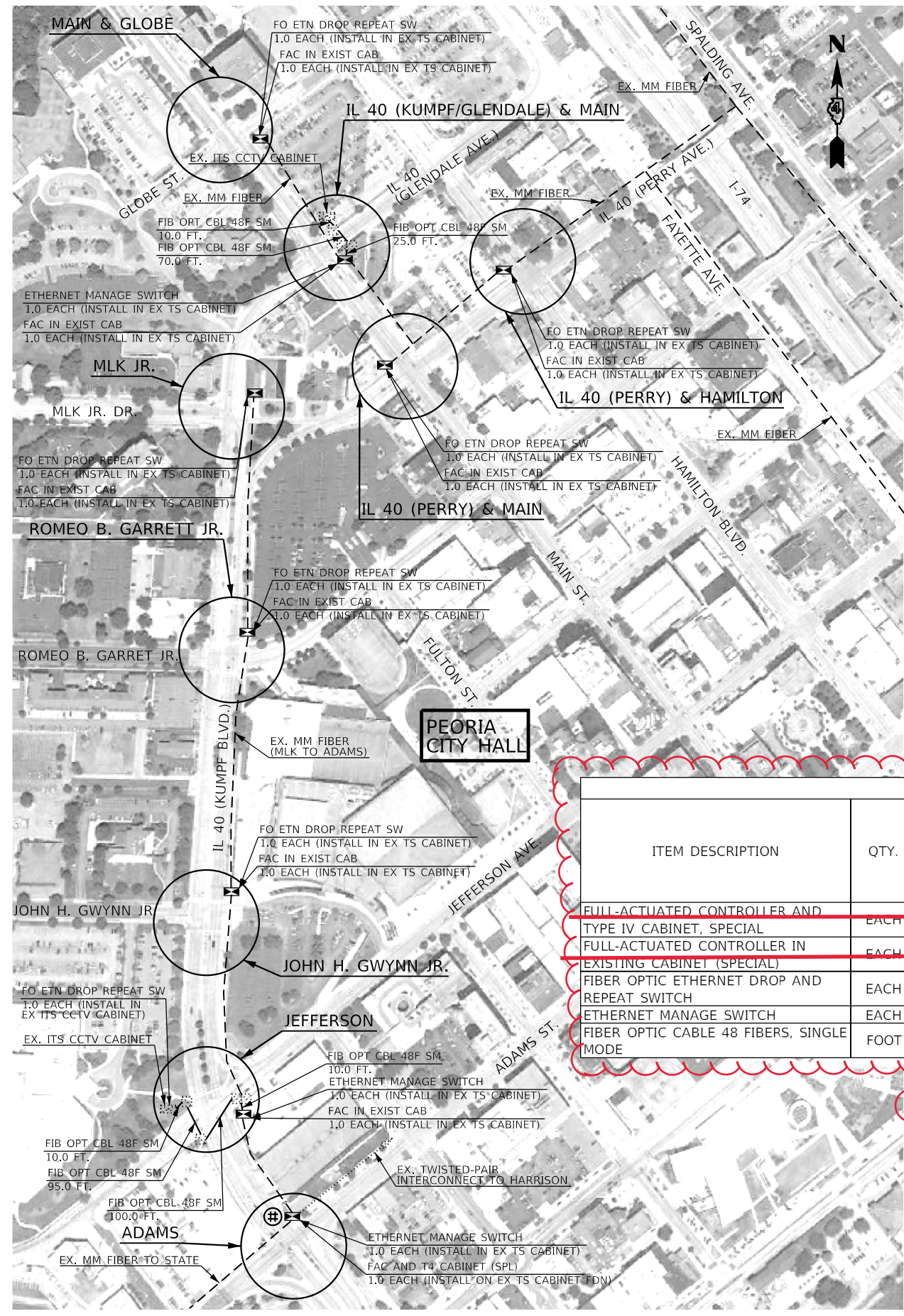
| SCHEDULE OF QUANTITIES                                 |      |  |                                 |  |   |   |                           |                          |                               |                          |
|--|------|--|---------------------------------|--|---|---|---------------------------|--------------------------|-------------------------------|--------------------------|
| ITEM DESCRIPTION                                       | QTY. | IL 8 (WESTERN AVE.) & BRADLEY AVE./ ROHMANN AVE. | IL 8 (WESTERN AVE.) & MOSS AVE. | IL 8 (WESTERN AVE.) & MARTIN LUTHER KING JR. DR. | IL 8 (WESTERN AVE.) & IL 116 (HOWETT ST.) | IL 8 (WESTERN AVE.) & IL 116 (LINCOLN AVE.) | WESTERN AVE. & GARDEN ST. | WESTERN AVE. & STARR ST. | WESTERN AVE. & JEFFERSON AVE. | WESTERN AVE. & ADAMS ST. |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0  | 1.0                             |  |   |   | 1.0                       | 1.0                      | 1.0                           | 1.0                      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 1.0  | 1.0                             | 1.0  |   |   |                           |                          |                               |                          |
| ETHERNET SWITCH  | EACH |  |                                 |  | 1.0                                       | 1.0   | 1.0                       | 1.0                      | 1.0                           | 1.0                      |

NOT TO SCALE



NOT TO SCALE

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE THE EXISTING ITS CCTV CABINET AND THE EXISTING TRAFFIC SIGNAL CABINET BY LATERALLY SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



| SCHEDULE OF QUANTITIES                                 |      |  |   |  |   |   |                                      |                               |                                     |                      |   |  |
|--|------|--|---|--|---|---|--------------------------------------|-------------------------------|-------------------------------------|----------------------|---|--|
| ITEM DESCRIPTION                                       | QTY. | IL 40 (W.M. KUMPF BLVD./ GLENDALE AVE.) & MAIN ST. | IL 40 (W.M. KUMPF BLVD.) & MARTIN LUTHER KING JR. DR. | IL 40 (W.M. KUMPF BLVD.) & ROMEO B. GARRETT AVE. | IL 40 (W.M. KUMPF BLVD.) & JOHN H. GWYNN JR. AVE. | IL 40 (W.M. KUMPF BLVD.) & JEFFERSON AVE. | IL 40 (W.M. KUMPF BLVD.) & ADAMS ST. | IL 40 (PERRY AVE.) & MAIN ST. | IL 40 (PERRY AVE.) & HAMILTON BLVD. | MAIN ST. & GLOBE ST. | ITS CCTV CABINET IL 40 (KUMPF/ GLENDALE) & MAIN ST. | ITS CCTV CABINET JEFFERSON ST. & IL 40 (KUMPF) |
| FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL  | EACH |  |   |  |   | 1.0                                       |                                      |                               |                                     |                      |   |  |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0  | 1.0   | 1.0  | 1.0   | 1.0                                       |                                      | 1.0                           | 1.0                                 | 1.0                  |   |  |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH |  | 1.0   | 1.0  | 1.0   |   |                                      | 1.0                           | 1.0                                 | 1.0                  | 1.0   | 1.0  |
| ETHERNET MANAGE SWITCH                                 | EACH | 1.0  |   |  |   | 1.0                                       |                                      |                               |                                     |                      |   |  |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE               | FOOT |  |   |  |   |   |                                      |                               |                                     |                      | 171.0   | 291.0  |

| BILL OF MATERIALS                                      |      |          |
|--|------|----------|
| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
| FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL  | EACH | 1.0      |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 8.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 8.0      |
| ETHERNET MANAGE SWITCH                                 | EACH | 3.0      |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE               | FOOT | 462.0    |

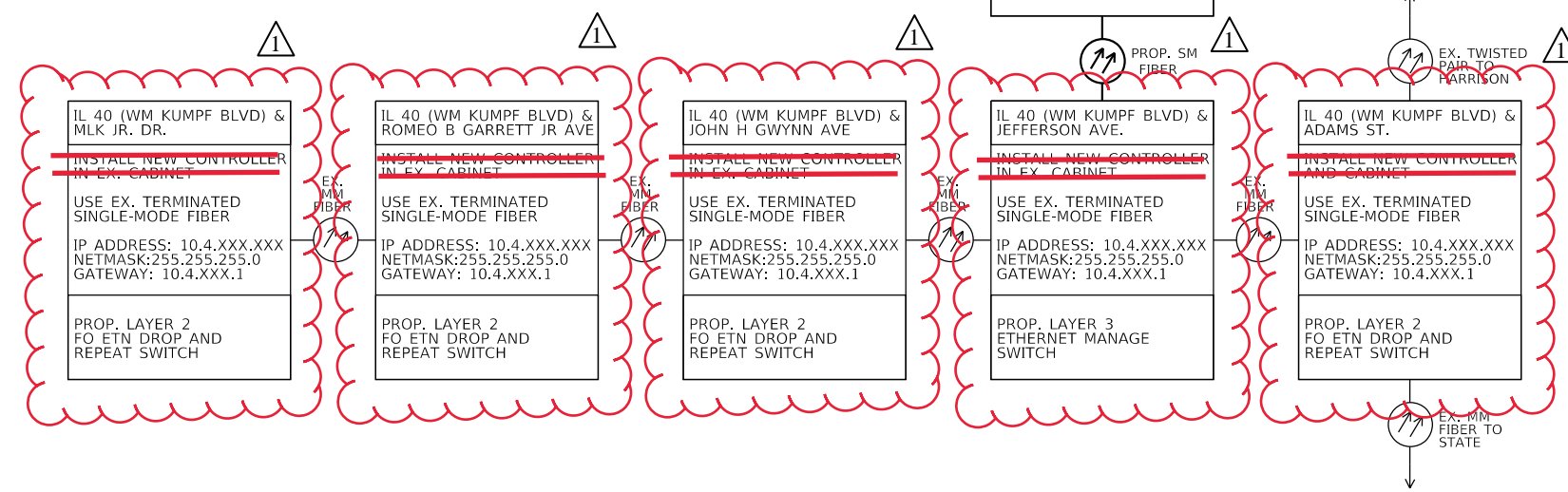
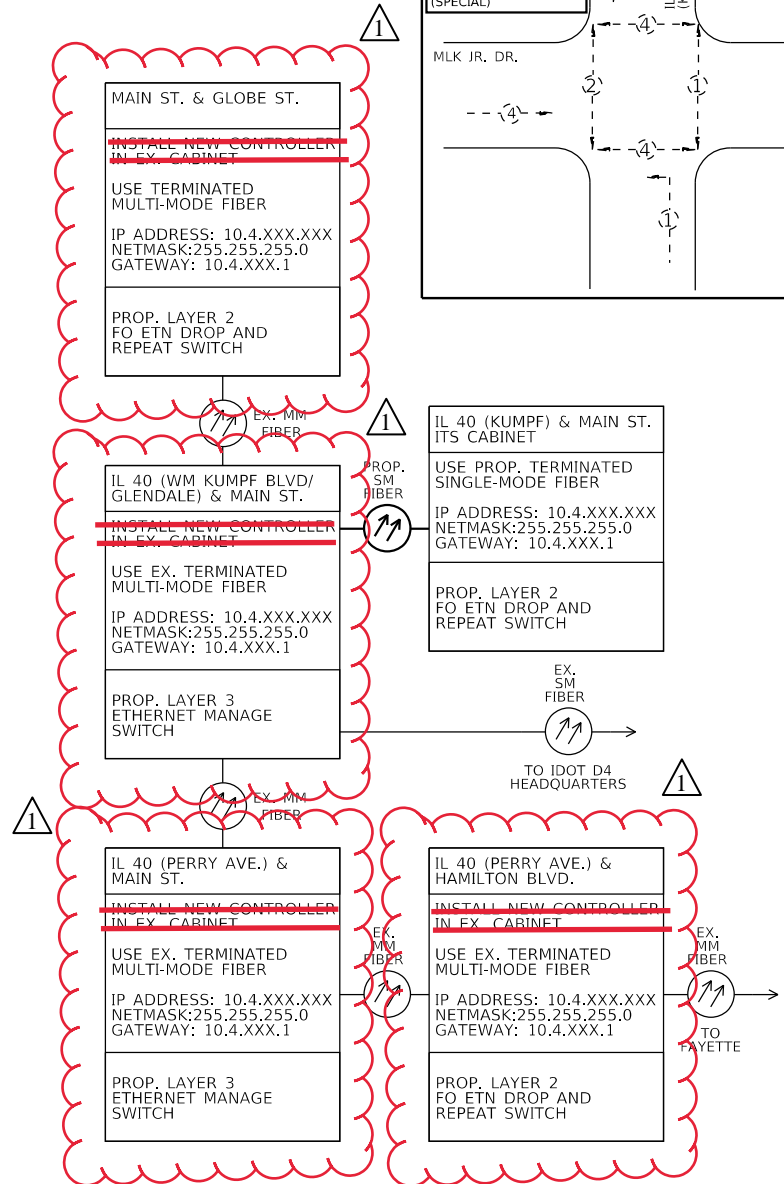
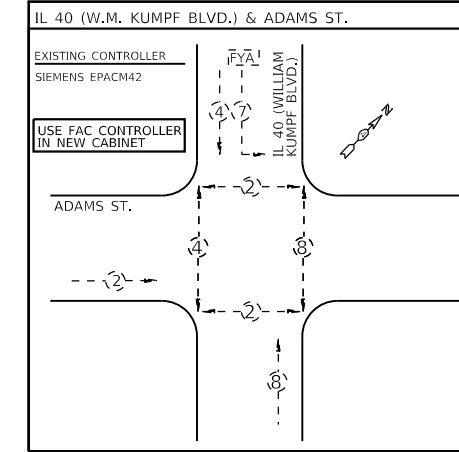
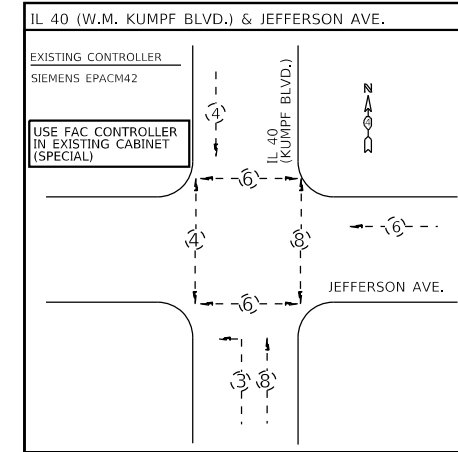
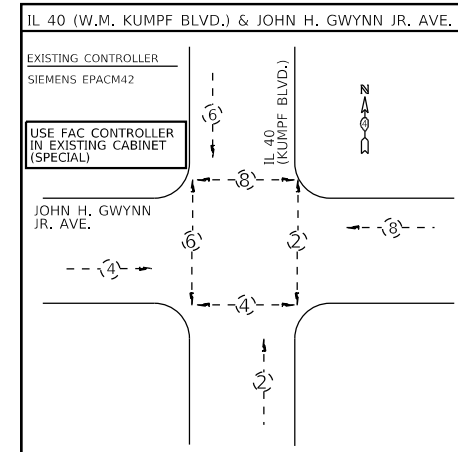
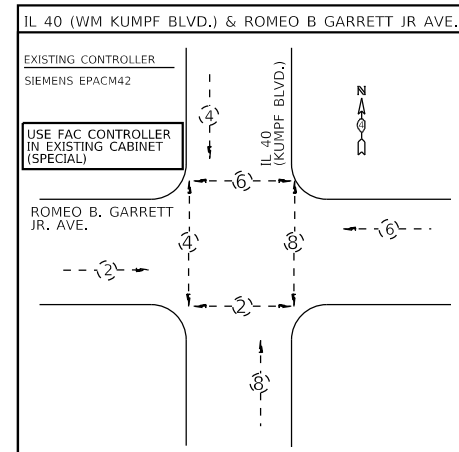
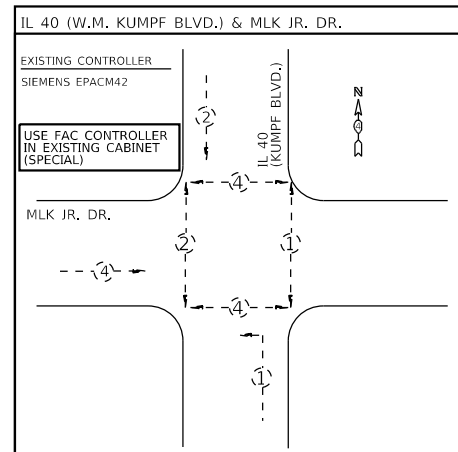
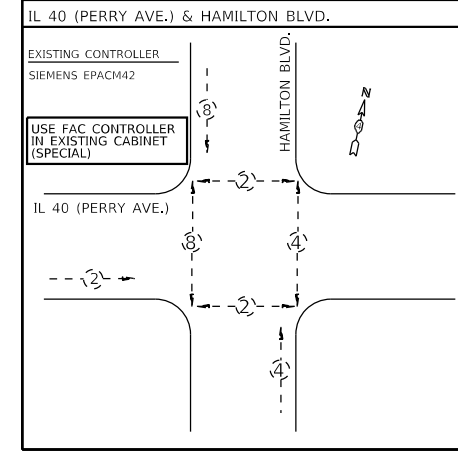
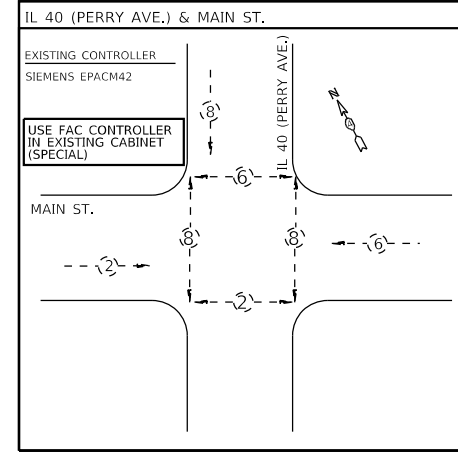
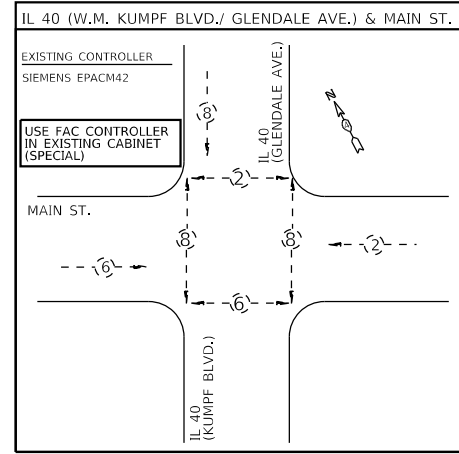
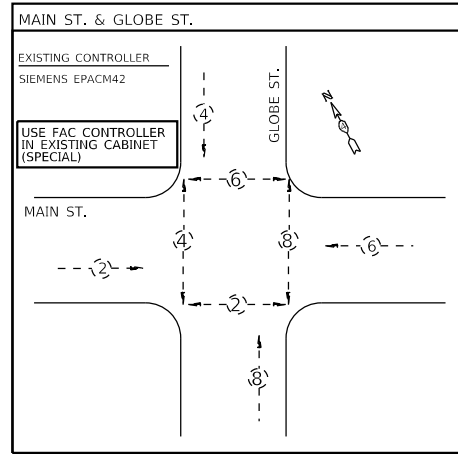
- ### TRAFFIC SIGNAL LEGEND
- EX. MULTI-MODE FIBER
  - ..... EX. TWISTED-PAIR INTERCONNECT
  - ⊕ EX. HANDHOLE
  - ⊕⊕ EX. DOUBLE HANDHOLE
  - ⊕ EX. ITS CABINET
  - ⊕⊕ PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
  - ⊕⊕⊕ PROP. TRAFFIC SIGNAL CONTROLLER AND CABINET
  - PROP. SINGLE MODE FIBER IN EX. CONDUIT
- NOT TO SCALE

|             |                       |            |           |
|-------------|-----------------------|------------|-----------|
| FILE NAME = | USER NAME = \$USERS   | DESIGNED - | REVISED - |
| \$FILES     |                       | DRAWN -    | REVISED - |
|             | PLOT SCALE = \$SCALES | CHECKED -  | REVISED - |
|             | PLOT DATE = \$DATES   | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED IMPROVEMENTS ALONG IL 40 (W.M. KUMPF BLVD.)  
FROM GLENDALE AVE. TO ADAMS ST.

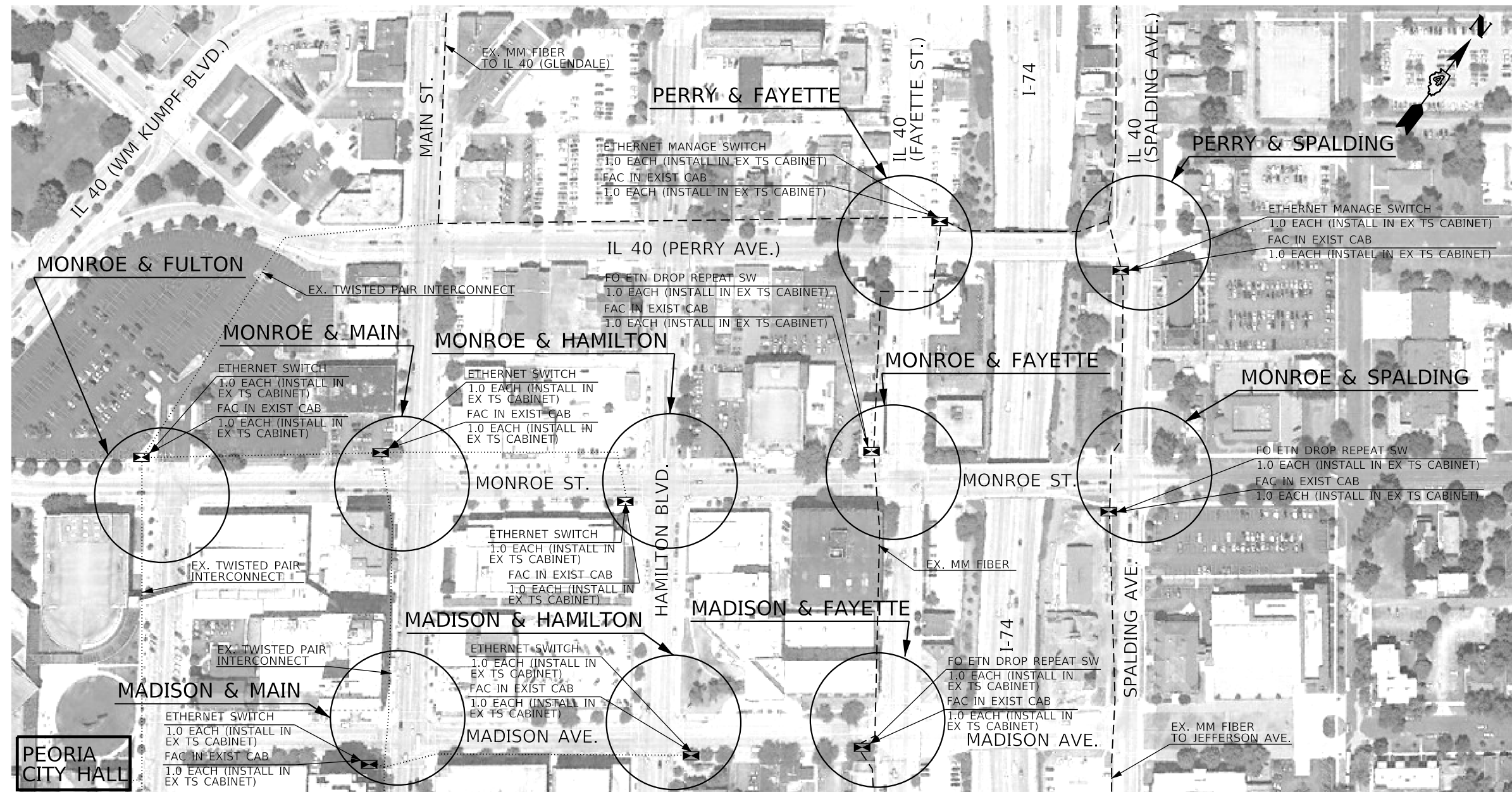
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|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 58        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |



NOT TO SCALE

|                     |                        |            |           |   |  |  |  |                           |             |        |              |           |
|---------------------|------------------------|------------|-----------|---|--|--|--|---------------------------|-------------|--------|--------------|-----------|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - | <p align="center"><b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b></p> <p align="center"><b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>IL 40 (WM KUMPF BLVD.) FROM GLENDALE AVE. TO ADAMS ST.</b></p> |  |  |  | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
|                     | PLOT SCALE = \$SCALE\$ | DRAWN -    | REVISED - |   |  |  |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 59        |
|                     | PLOT DATE = \$DATE\$   | CHECKED -  | REVISED - |   |  |  |  | CONTRACT NO. 68E20        |             |        |              |           |
|                     |                        | DATE -     | REVISED - |   |  |  |  | ILLINOIS FED. AID PROJECT |             |        |              |           |





PEORIA CITY HALL

| BILL OF MATERIALS   |                 |                 |
|---|-----------------|-----------------|
| ITEM DESCRIPTION  | UNIT            | QUANTITY        |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>10.0</del> |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            | 5.0             |
| ETHERNET SWITCH   | EACH            | 5.0             |

| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
| ---                   | EX. MULTI-MODE FIBER                           |
| .....                 | EX. TWISTED-PAIR INTERCONNECT                  |
| ⊠                     | PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET |

| ITEM DESCRIPTION  | QTY.            | SCHEDULE OF QUANTITIES   |                            |                         |                       |                             |                          |                            |                         |                               |                            |
|---|-----------------|--------------------------|----------------------------|-------------------------|-----------------------|-----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|----------------------------|
|   |                 | PERRY AVE. & FAYETTE ST. | PERRY AVE. & SPALDING AVE. | MONROE ST. & FULTON ST. | MONROE ST. & MAIN ST. | MONROE ST. & HAMILTON BLVD. | MONROE ST. & FAYETTE ST. | MONROE ST. & SPALDING AVE. | MADISON AVE. & MAIN ST. | MADISON AVE. & HAMILTON BLVD. | MADISON AVE. & FAYETTE ST. |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>1.0</del>           | <del>1.0</del>             | <del>1.0</del>          | <del>1.0</del>        | <del>1.0</del>              | <del>1.0</del>           | <del>1.0</del>             | <del>1.0</del>          | <del>1.0</del>                | <del>1.0</del>             |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            | 1.0                      | 1.0                        |                         |                       |                             | 1.0                      | 1.0                        |                         |                               | 1.0                        |
| ETHERNET SWITCH   | EACH            |                          |                            | 1.0                     | 1.0                   | 1.0                         |                          |                            | 1.0                     | 1.0                           |                            |

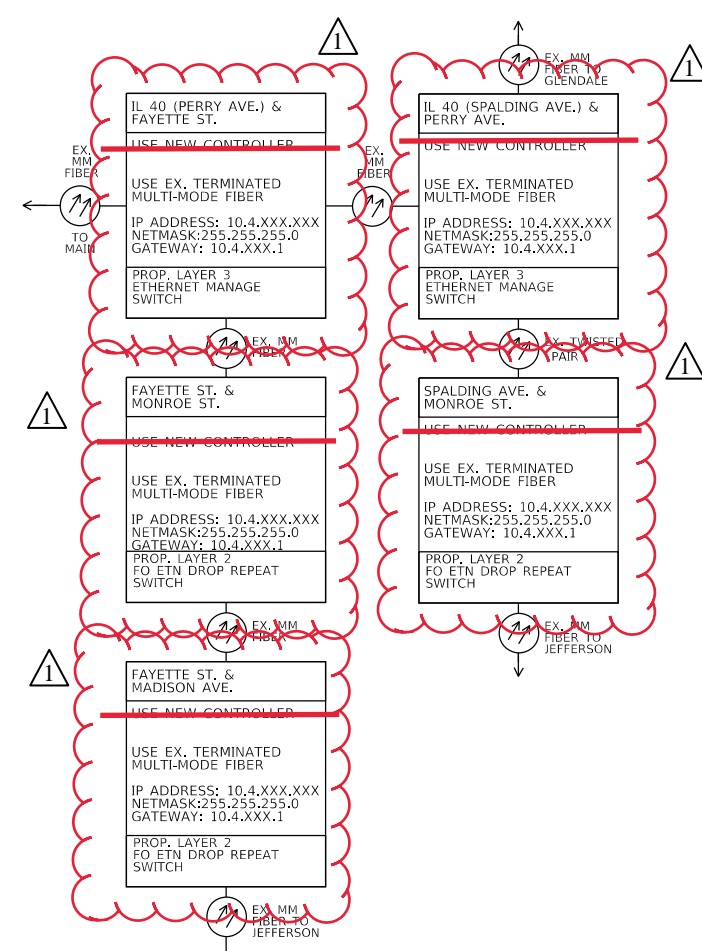
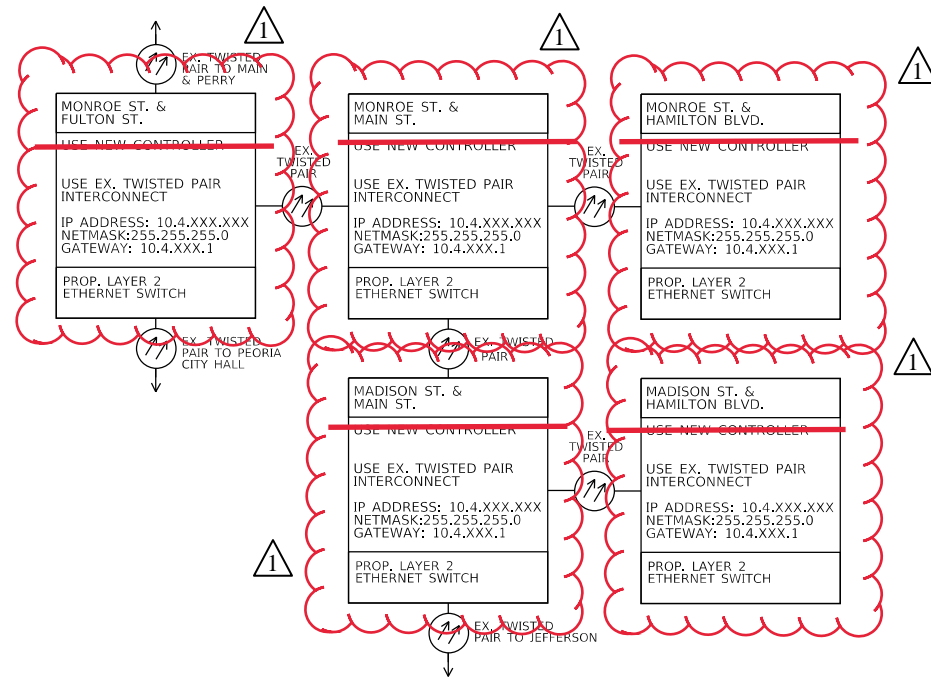
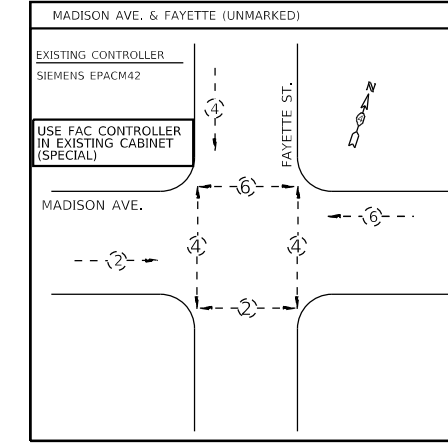
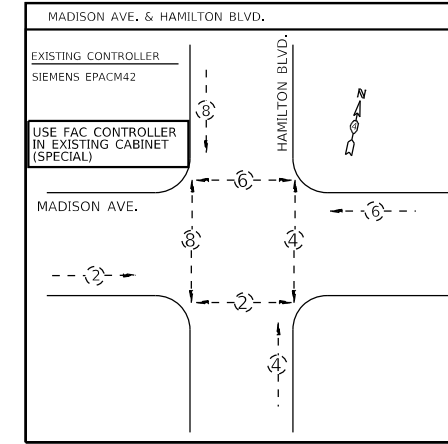
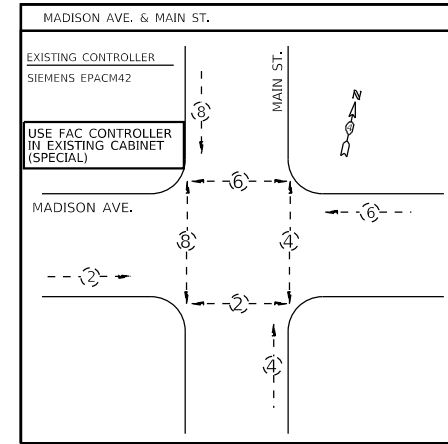
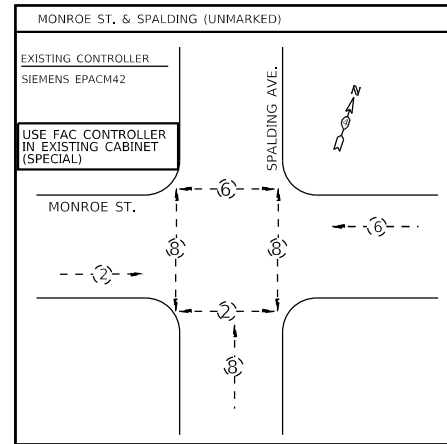
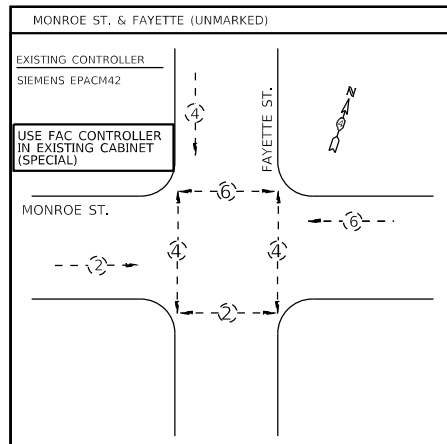
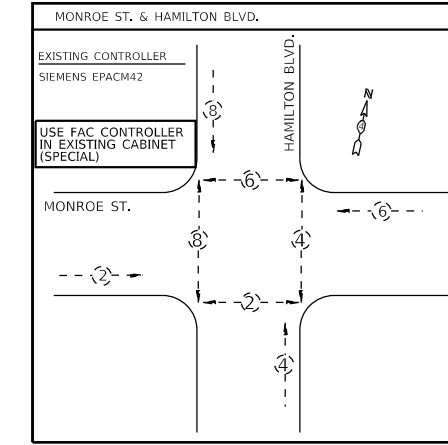
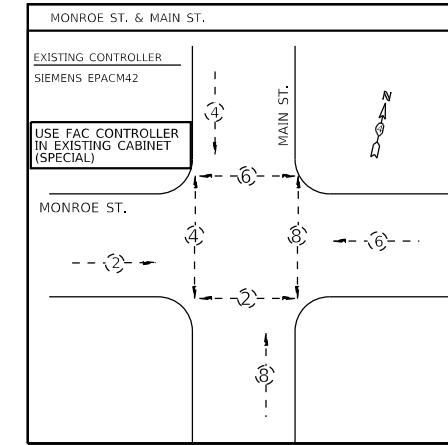
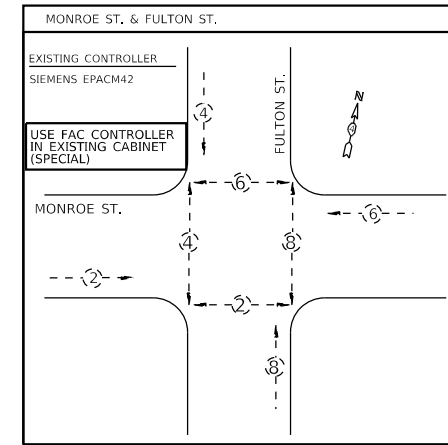
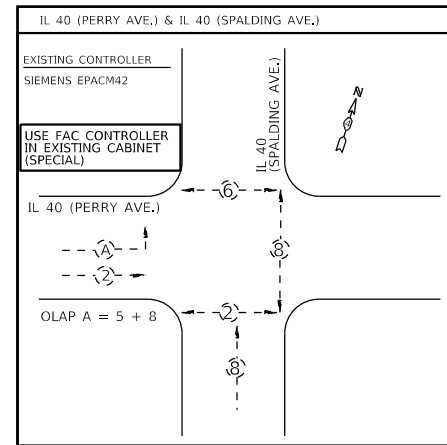
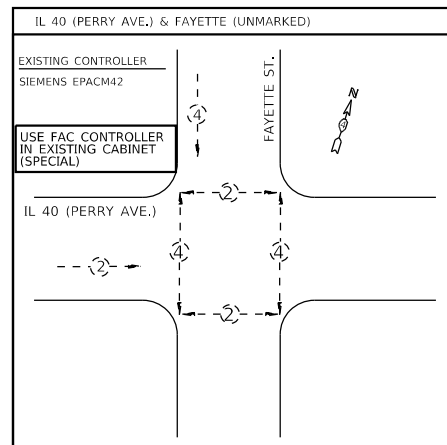
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| \$FILES     |                     | DRAWN -    | REVISED - |
|             |                     | CHECKED -  | REVISED - |
|             |                     | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED IMPROVEMENTS ALONG PERRY AVE/MADISON ST/MONROE ST  
FROM FULTON ST. TO SPALDING AVE.

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 60        |
| CONTRACT NO. 68XXX        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

NOT TO SCALE



|                     |                        |            |           |
|---------------------|------------------------|------------|-----------|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - |
|                     |                        | DRAWN -    | REVISED - |
|                     | PLOT SCALE = \$SCALE\$ | CHECKED -  | REVISED - |
|                     | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

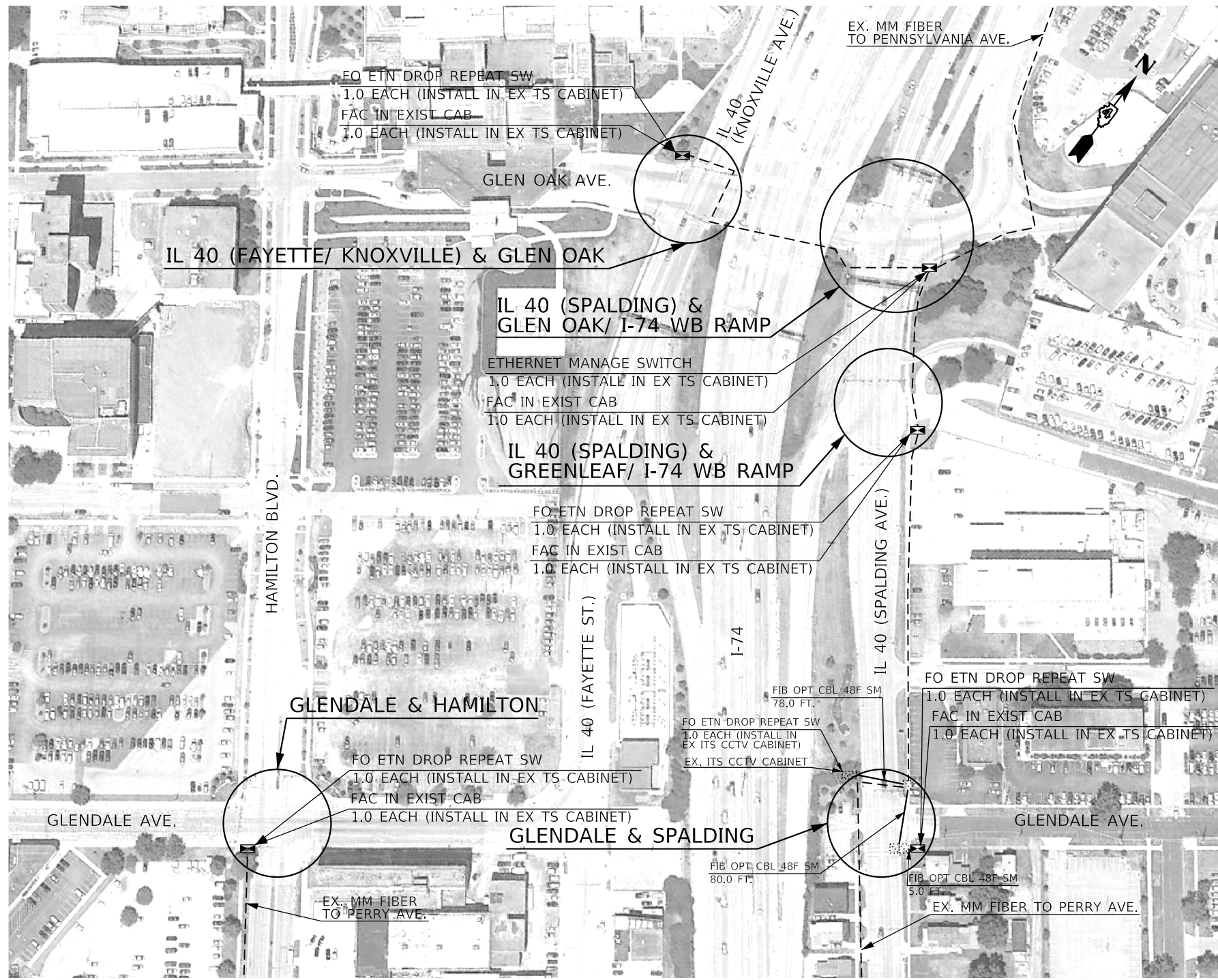
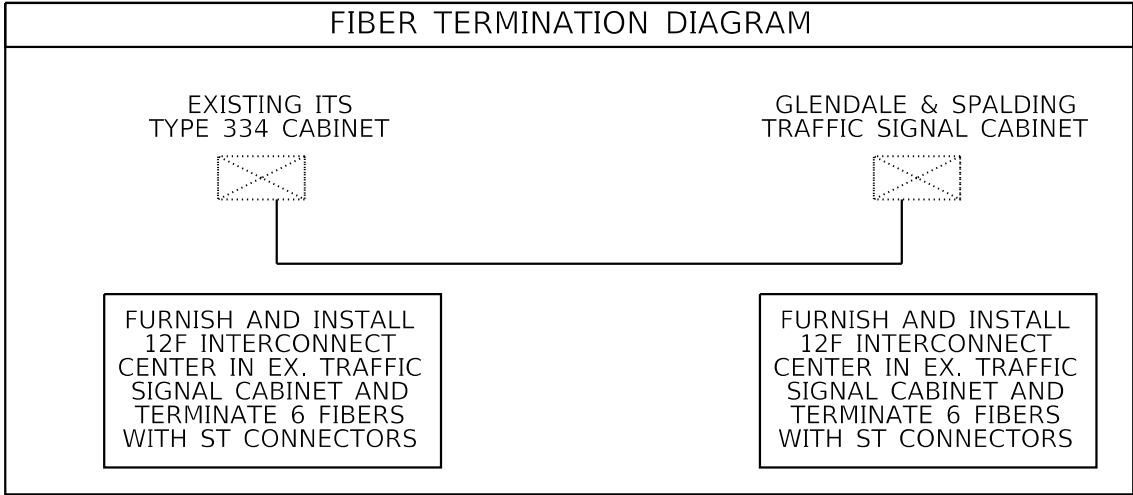
**EXISTING PHASE AND COMMUNICATION DIAGRAMS  
PERRY AVE/MADISON ST/MONROE ST FROM FULTON TO SPALDING**

SCALE: STA. TO STA.

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 61        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

NOT TO SCALE

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY LATERALLY SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



**FIBER OPTIC CABLE SLACK**

HANDHOLE: 10.0 FT.  
DOUBLE HANDHOLE: 30.0 FT.  
COMM. VAULT: 100.0 FT.  
JUNCTION BOX: 10.0 FT.  
ITS OR SIGNAL CABINET: 10.0 FT.

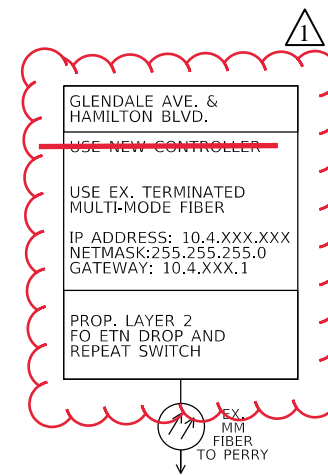
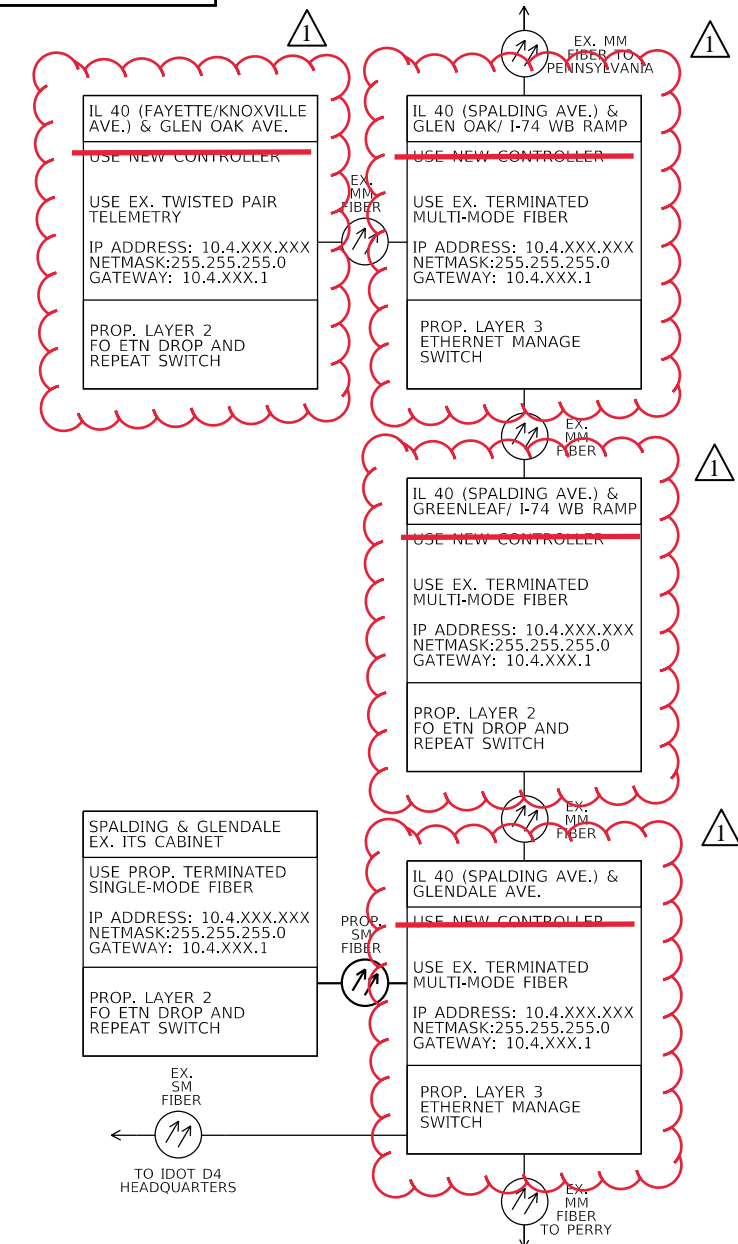
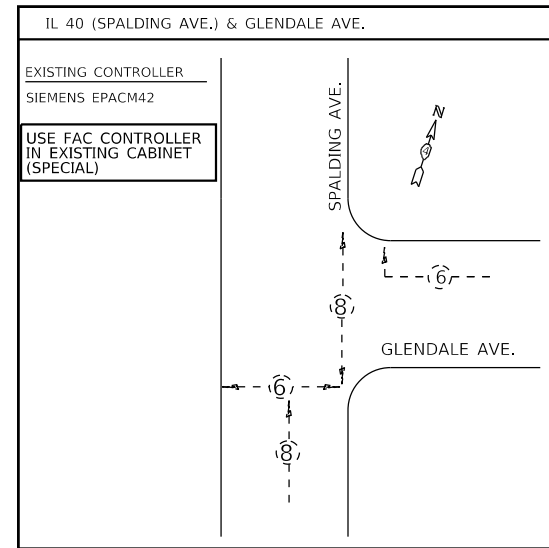
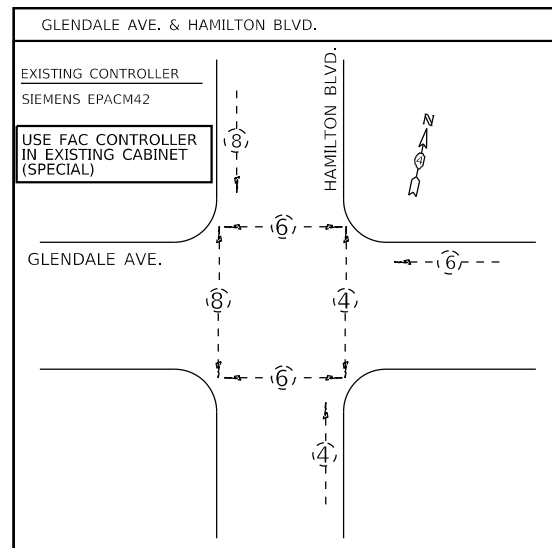
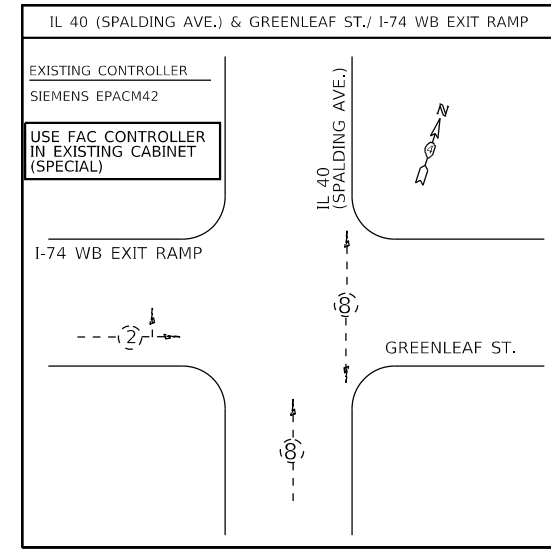
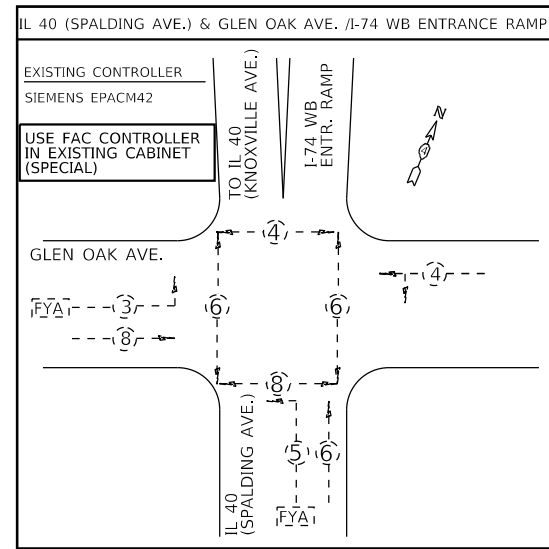
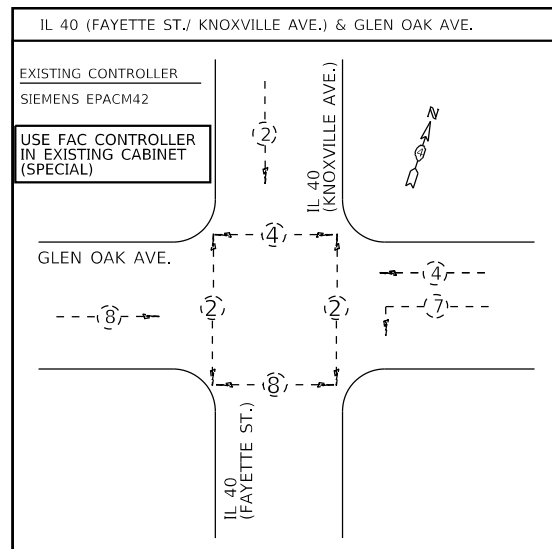
### BILL OF MATERIALS

| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
|--|------|----------|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 5.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 4.0      |
| ETHERNET MANAGE SWITCH                                 | EACH | 2.0      |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE               | FOOT | 239.0    |

### SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION                                       | QTY. | IL 40 (FAYETTE ST./ KNOXVILLE AVE.) & GLEN OAK AVE. | IL 40 (SPALDING AVE.) & GLEN OAK AVE. / I-74 WB ENTRANCE RAMP | IL 40 (SPALDING AVE.) & GREENLEAF ST. / I-74 WB EXIT RAMP | GLENDALE AVE. & HAMILTON BLVD. | IL 40 (SPALDING AVE.) & GLENDALE AVE. | EX. ITS CABINET IL 40 (SPALDING AVE.) & GLENDALE AVE. |
|--|------|---|---|---|--------------------------------|---------------------------------------|---|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0   | 1.0   | 1.0   | 1.0                            | 1.0                                   |   |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 1.0   |   | 1.0   | 1.0                            | 1.0                                   |   |
| ETHERNET MANAGE SWITCH                                 | EACH |   | 1.0   |   |                                |                                       | 1.0   |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE               | FOOT |   |   |   |                                |                                       | 239.0   |

- ### TRAFFIC SIGNAL LEGEND
- EX. MULTI-MODE FIBER
  - ⊗ EX. HANDHOLE
  - ⊗ EX. DOUBLE HANDHOLE
  - ⊗ EX. ITS CABINET
  - ⊗ PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
  - PROP. SINGLE MODE FIBER IN EX. CONDUIT



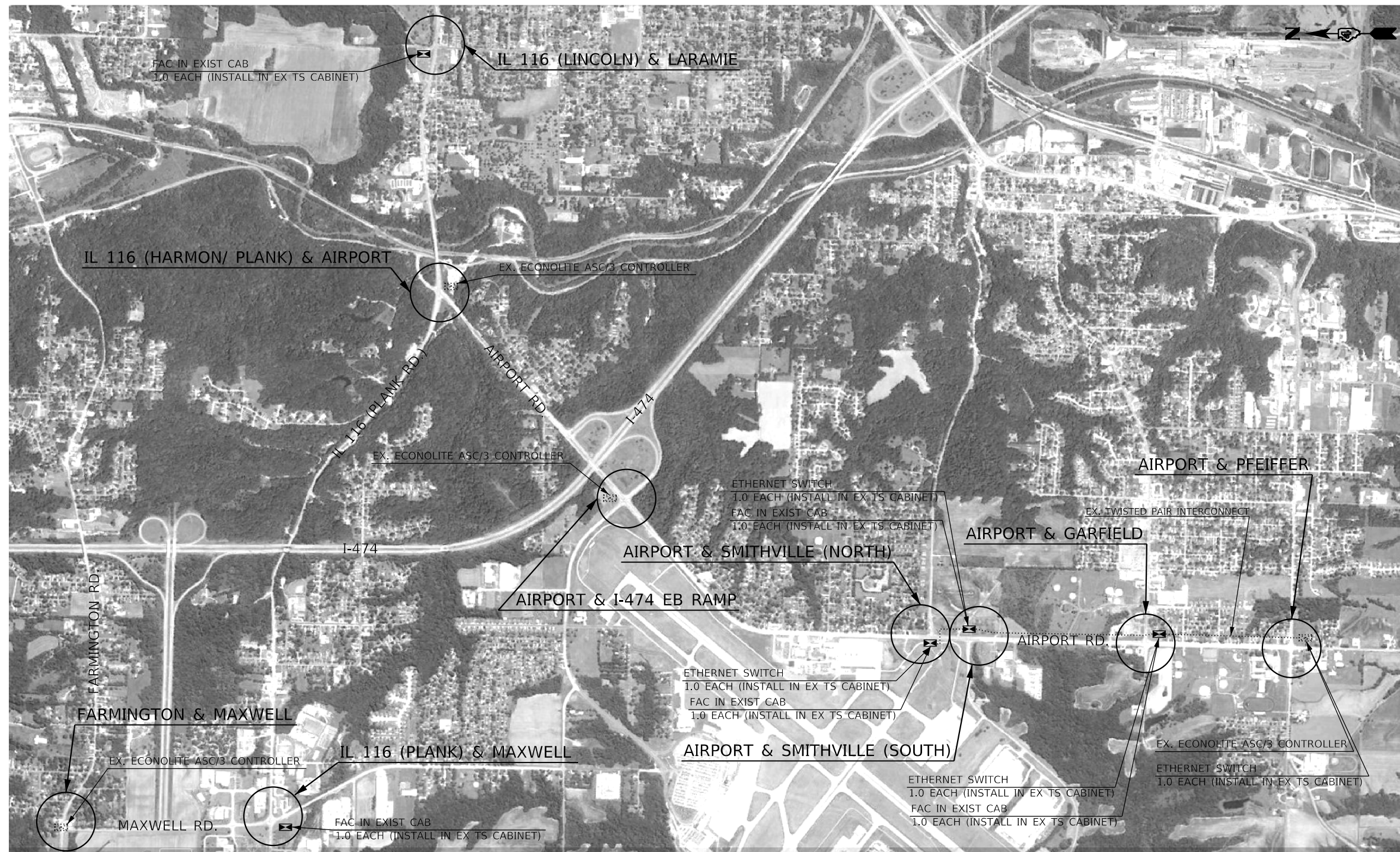
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| \$FILES     |                        | DRAWN -    | REVISED - |
|             | PLOT SCALE = \$SCALE\$ | CHECKED -  | REVISED - |
|             | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|  |              |
|--|--------------|
| EXISTING PHASE AND COMMUNICATION DIAGRAMS                    |              |
| FAYETTE/SPALDING/GLENDALE FROM GLEN OAK AVE TO HAMILTON BLVD |              |
| SCALE:   | STA. TO STA. |

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 63        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

NOT TO SCALE



TRAFFIC SIGNAL LEGEND

- EX. TRAFFIC SIGNAL CONTROLLER
- EX. TWISTED-PAIR INTERCONNECT
- PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

BILL OF MATERIALS

| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
|--|------|----------|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 3.0      |
| ETHERNET SWITCH  | EACH | 4.0      |

SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION                                       | QTY. | IL 116 (LINCOLN AVE.) & LARAMIE ST. | AIRPORT RD. & SMITHVILLE RD. (NORTH) | AIRPORT RD. & SMITHVILLE RD. (SOUTH) | AIRPORT RD. & GARFIELD AVE. | AIRPORT RD. & PFEIFFER RD. | IL 116 & MAXWELL RD. / PLANK RD. |
|--|------|-------------------------------------|--------------------------------------|--------------------------------------|-----------------------------|----------------------------|----------------------------------|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0                                 | 1.0                                  | 1.0                                  | 1.0                         |                            | 1.0                              |
| ETHERNET SWITCH, GIGIBIT, SFP, DROP & REPEAT           | EACH |                                     | 1.0                                  | 1.0                                  | 1.0                         | 1.0                        |                                  |

|             |                        |            |           |
|-------------|------------------------|------------|-----------|
| FILE NAME = | USER NAME = \$USERS    | DESIGNED - | REVISED - |
| \$FILES     |                        | DRAWN -    | REVISED - |
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|             | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |

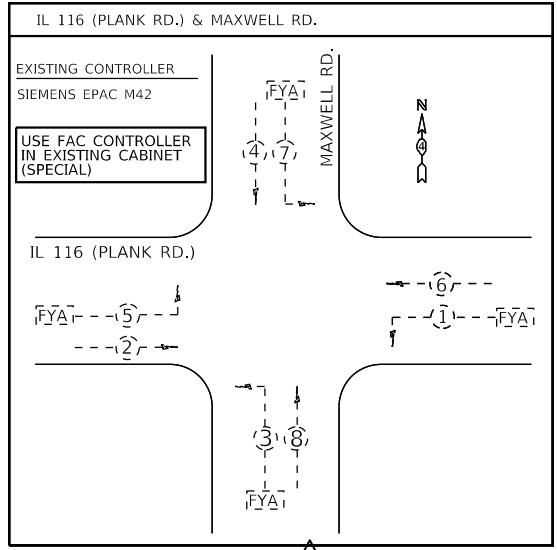
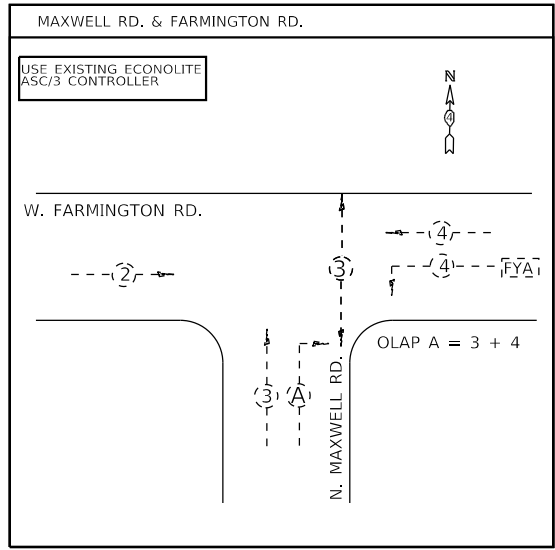
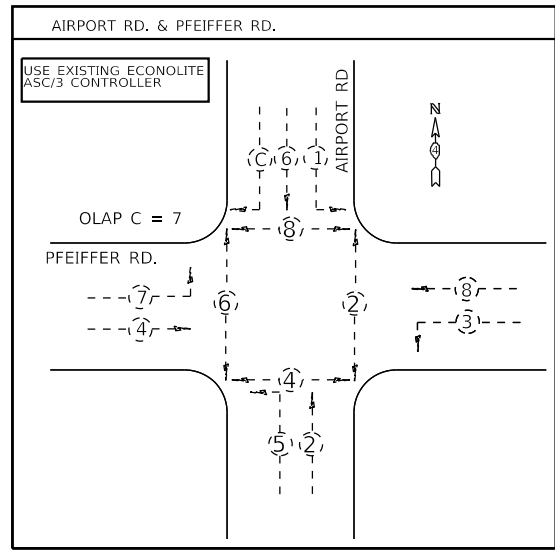
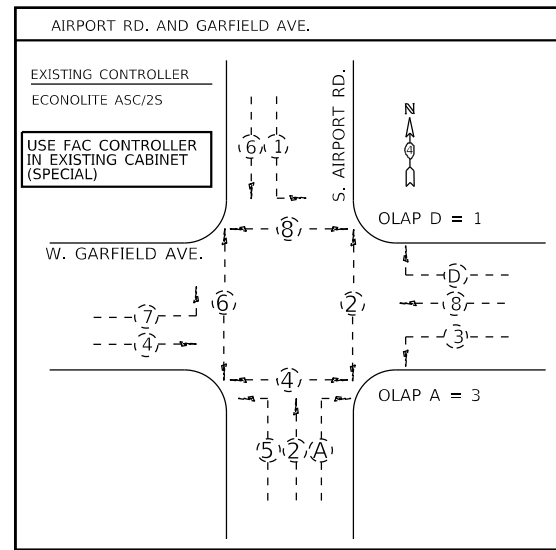
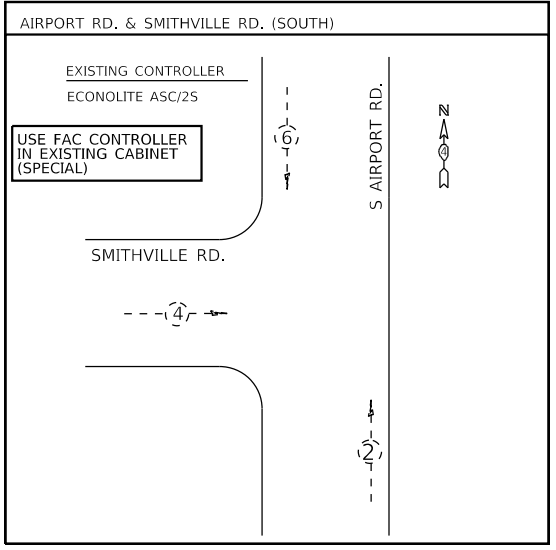
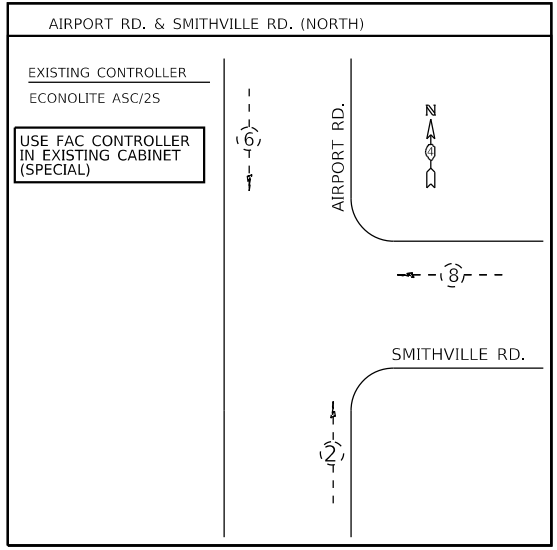
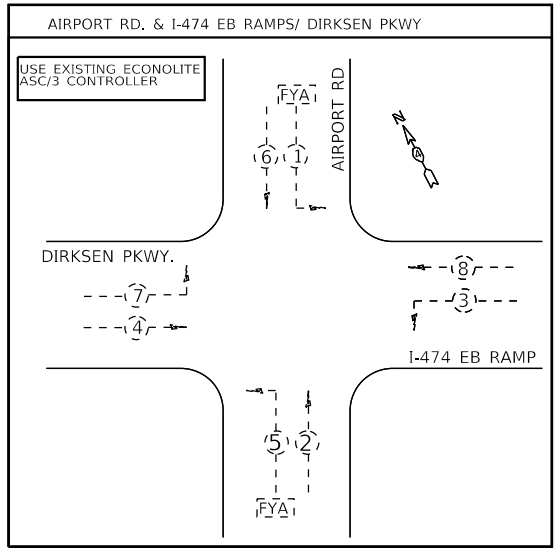
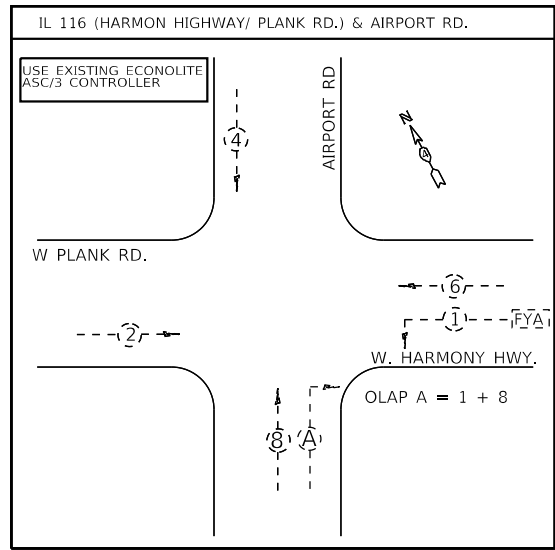
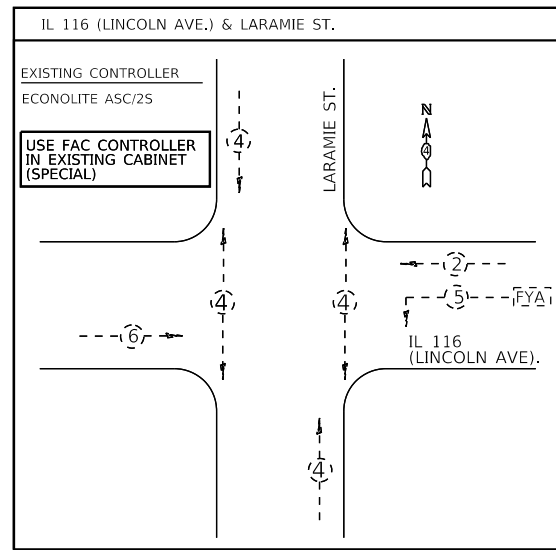
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED IMPROVEMENTS ALONG AIRPORT RD./IL 116 /MAXWELL RD.

SCALE: \_\_\_\_\_ STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 64        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

NOT TO SCALE



IL 116 (LINCOLN AVE.) & LARAMIE ST.

~~INSTALL NEW CONTROLLER IN EX. CABINET~~

FUTURE COMMUNICATION THROUGH BROADBAND / CELLULAR

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

IL 118 (HARMON HWY./ PLANK RD.) & AIRPORT RD.

USE EX. ECONOLITE ASC/3 CONTROLLER

FUTURE COMMUNICATION THROUGH BROADBAND / CELLULAR

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

AIRPORT RD. & I-474 EB RAMPS/ DIRKSEN PKWY.

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TERMINATED MULTI-MODE FIBER

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

USE EXISTING ETHERNET SWITCH

AIRPORT RD. & SMITHVILLE RD. (NORTH)

~~INSTALL NEW CONTROLLER IN EX. CABINET~~

USE EX. TWISTED PAIR TELEMTRY

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2 ETHERNET SWITCH

AIRPORT RD. & SMITHVILLE RD. (SOUTH)

~~INSTALL NEW CONTROLLER IN EX. CABINET~~

USE EX. TWISTED PAIR TELEMTRY

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2 ETHERNET SWITCH

AIRPORT RD. & GARFIELD AVE.

~~INSTALL NEW CONTROLLER IN EX. CABINET~~

USE EX. TWISTED PAIR TELEMTRY

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2 ETHERNET SWITCH

AIRPORT RD. & PFEIFFER RD.

USE EX. ECONOLITE ASC/3 CONTROLLER

USE EX. TWISTED PAIR TELEMTRY

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

PROP. LAYER 2 ETHERNET SWITCH

MAXWELL RD. & FARMINGTON RD.

~~INSTALL NEW CONTROLLER IN EX. CABINET~~

FUTURE COMMUNICATION THROUGH BROADBAND / CELLULAR

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

IL 116 (PLANK RD.) & MAXWELL RD.

~~INSTALL NEW CONTROLLER IN EX. CABINET~~

FUTURE COMMUNICATION THROUGH BROADBAND / CELLULAR

IP ADDRESS: 10.4.XXX.XXX  
NETMASK:255.255.255.0  
GATEWAY: 10.4.XXX.1

NOT TO SCALE

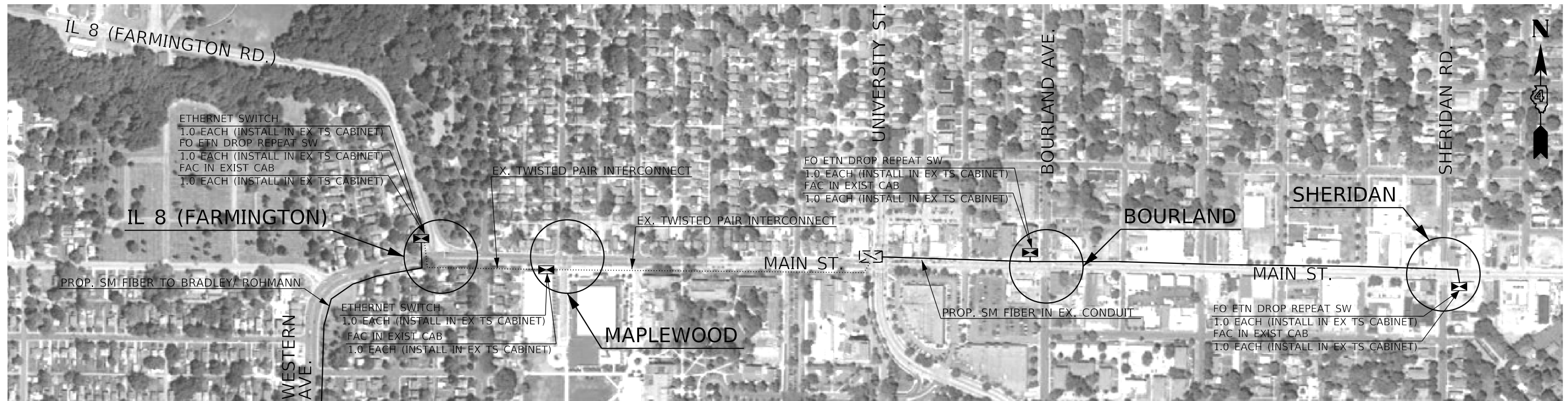
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|             | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PHASE AND COMMUNICATION DIAGRAMS  
AIRPORT RD./IL 116 /MAXWELL RD.

|        |      |         |             |             |        |                           |           |
|--------|------|---------|-------------|-------------|--------|---------------------------|-----------|
| SCALE: | STA. | TO STA. | F.A.P. RTE. | SECTION     | COUNTY | TOTAL SHEETS              | SHEET NO. |
|        |      |         | VAR.        | D4 ITS 2018 | PEORIA | 87                        | 65        |
|        |      |         |             |             |        | CONTRACT NO. 68E20        |           |
|        |      |         |             |             |        | ILLINOIS FED. AID PROJECT |           |

REV. 2/21/19



SEE SHEET 85 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG IL 8 (WESTERN AVE.) FROM IL 8 (FARMINGTON RD.) TO MLK JR. DR.

| BILL OF MATERIALS   |                 |                |
|---|-----------------|----------------|
| ITEM DESCRIPTION  | UNIT            | QUANTITY       |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>2.0</del> |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            | 3.0            |
| ETHERNET SWITCH   | EACH            | 2.0            |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE                          | FOOT            | 3300.0         |

|                                 |
|---------------------------------|
| FIBER OPTIC CABLE SLACK         |
| HANDHOLE: 10.0 FT.              |
| DOUBLE HANDHOLE: 30.0 FT.       |
| COMM. VAULT: 100.0 FT.          |
| JUNCTION BOX: 10.0 FT.          |
| ITS OR SIGNAL CABINET: 10.0 FT. |

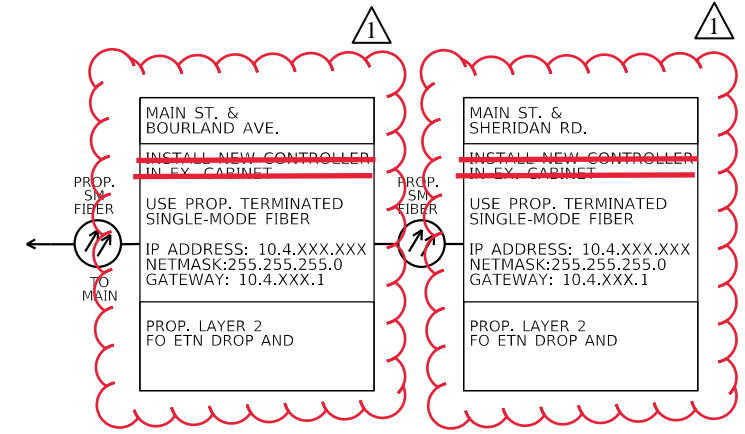
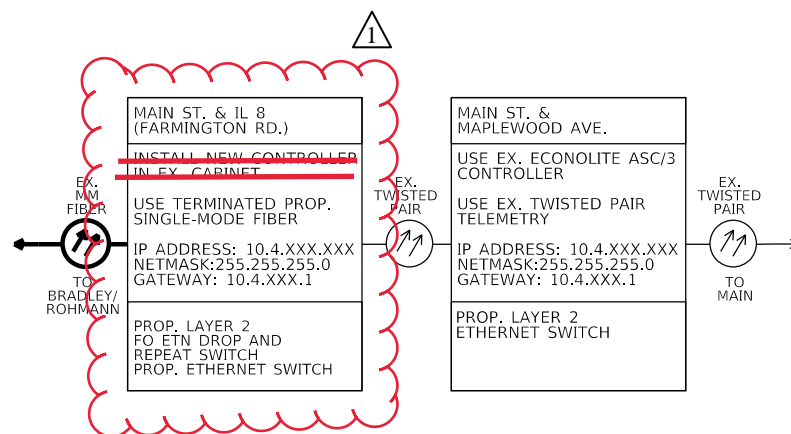
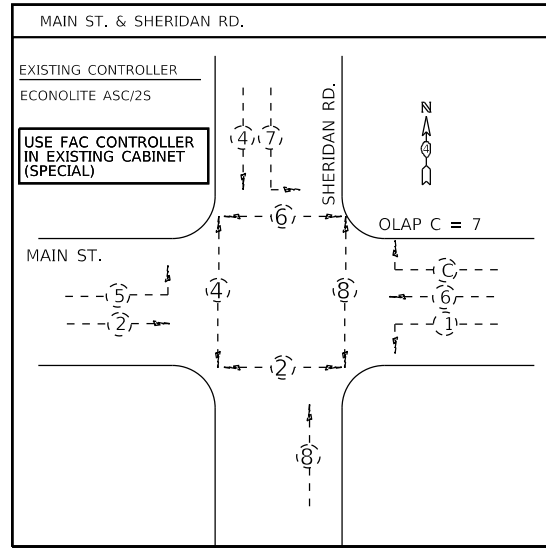
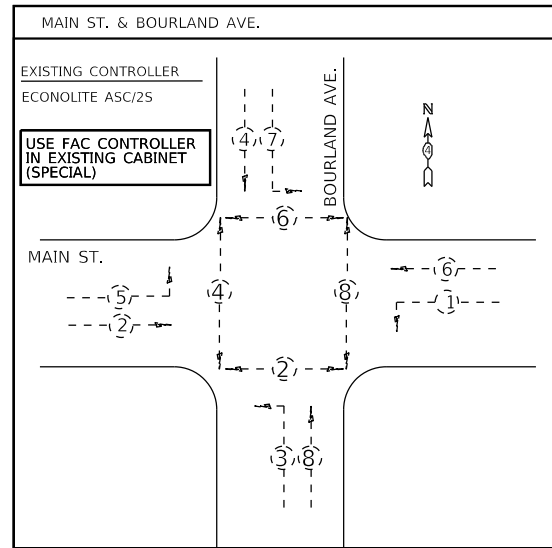
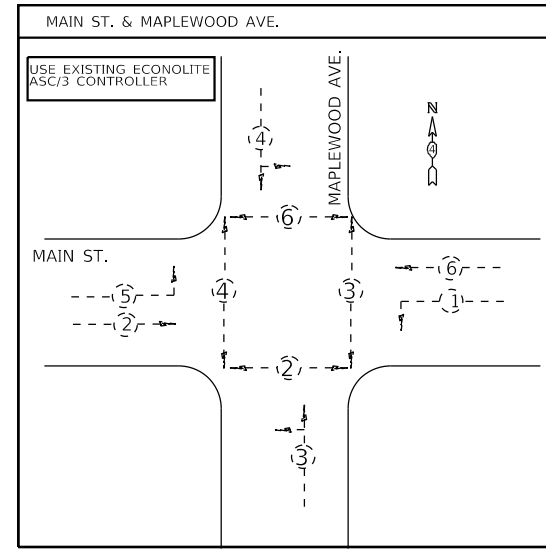
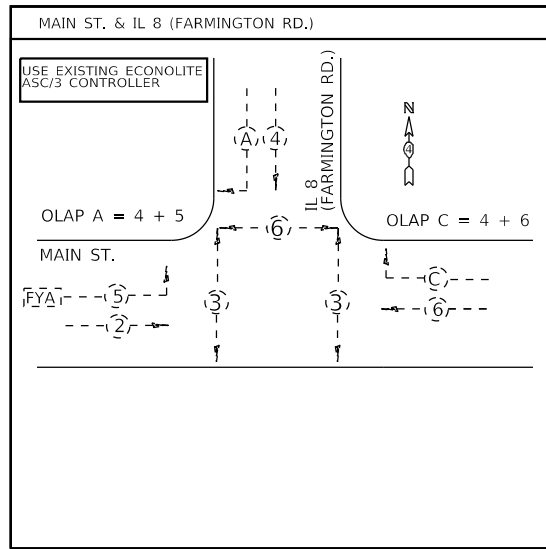
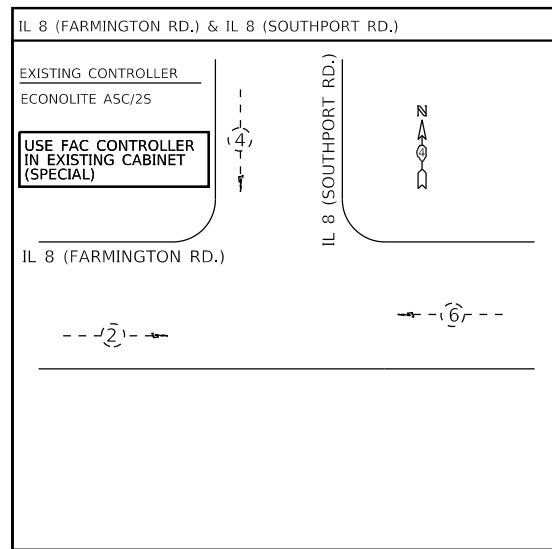
| SCHEDULE OF QUANTITIES  |                 |                                  |                           |                          |                         |          |
|---|-----------------|----------------------------------|---------------------------|--------------------------|-------------------------|----------|
| ITEM DESCRIPTION  | QTY.            | MAIN ST. & IL 8 (FARMINGTON RD.) | MAIN ST. & MAPLEWOOD AVE. | MAIN ST. & BOURLAND AVE. | MAIN ST. & SHERIDAN RD. | MAIN ST. |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>1.0</del>                   |                           | <del>1.0</del>           | <del>1.0</del>          |          |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            | 1.0                              |                           | 1.0                      | 1.0                     |          |
| ETHERNET SWITCH   | EACH            | 1.0                              | 1.0                       |                          |                         |          |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE                          | FOOT            |                                  |                           |                          |                         | 3300.0   |

TRAFFIC SIGNAL LEGEND

- EX. TRAFFIC SIGNAL CONTROLLER
- EX. MULTI-MODE FIBER
- EX. TWISTED-PAIR INTERCONNECT
- PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET
- PROP. SINGLE-MODE FIBER

NOT TO SCALE

|                     |                       |            |           |   |  |                           |             |        |              |           |  |
|---------------------|-----------------------|------------|-----------|---|--|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED IMPROVEMENTS ALONG MAIN ST.<br/>FROM IL 8 (FARMINGTON RD.) TO SHERIDAN RD.</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALES | DRAWN -    | REVISED - |   |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 66        |  |
|                     | PLOT DATE = \$DATES   | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                       | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



NOT TO SCALE

|             |                        |            |           |
|-------------|------------------------|------------|-----------|
| FILE NAME = | USER NAME = \$USERS    | DESIGNED - | REVISED - |
| \$FILES     |                        | DRAWN -    | REVISED - |
|             | PLOT SCALE = \$SCALE\$ | CHECKED -  | REVISED - |
|             | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|  |              |
|--|--------------|
| EXISTING PHASE AND COMMUNICATION DIAGRAMS                    |              |
| FAYETTE/SPALDING/GLENDALE FROM GLEN OAK AVE TO HAMILTON BLVD |              |
| SCALE:   | STA. TO STA. |

|                           |             |        |                 |              |
|---------------------------|-------------|--------|-----------------|--------------|
| F.A.P.<br>RTE.            | SECTION     | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87              | 67           |
| CONTRACT NO. 68E20        |             |        |                 |              |
| ILLINOIS FED. AID PROJECT |             |        |                 |              |





**SCHEDULE OF QUANTITIES**

| ITEM DESCRIPTION                                       | QTY. | ADAMS ST. & LIGONIER ST./ NEVADA ST. | ADAMS ST. & GRISWOLD ST. | ADAMS ST. & WASHINGTON ST./ KRAUSE AVE. |
|--|------|--------------------------------------|--------------------------|---|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0                                  | 1.0                      | 1.0                                     |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 1.0                                  | 1.0                      |   |
| ETHERNET MANAGE SWITCH                                 | EACH |                                      |                          | 1.0                                     |
| ETHERNET SWITCH  | EACH |                                      |                          | 1.0                                     |

**BILL OF MATERIALS**

| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
|--|------|----------|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 3.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 2.0      |
| ETHERNET MANAGE SWITCH                                 | EACH | 1.0      |
| ETHERNET SWITCH  | EACH | 1.0      |

**TRAFFIC SIGNAL LEGEND**

- EX. MULTI-MODE FIBER
- ..... EX. MULTI-MODE FIBER
- ☒ PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

NOT TO SCALE

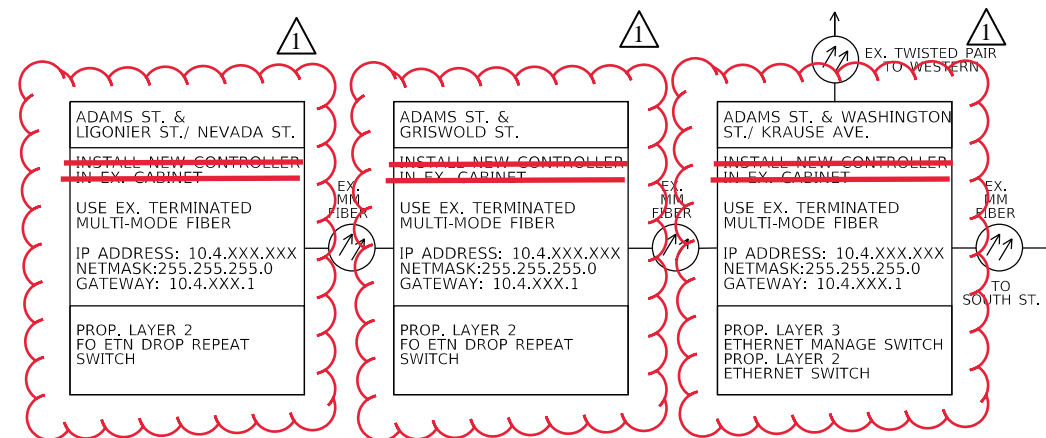
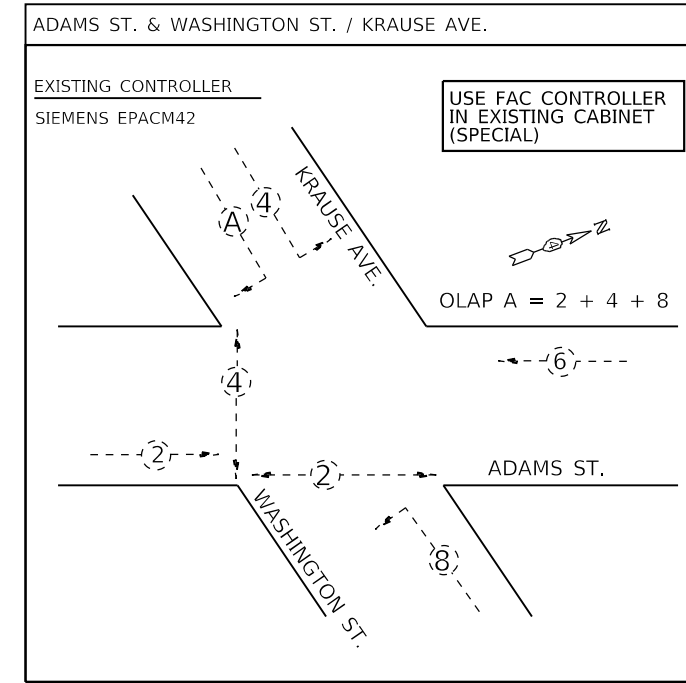
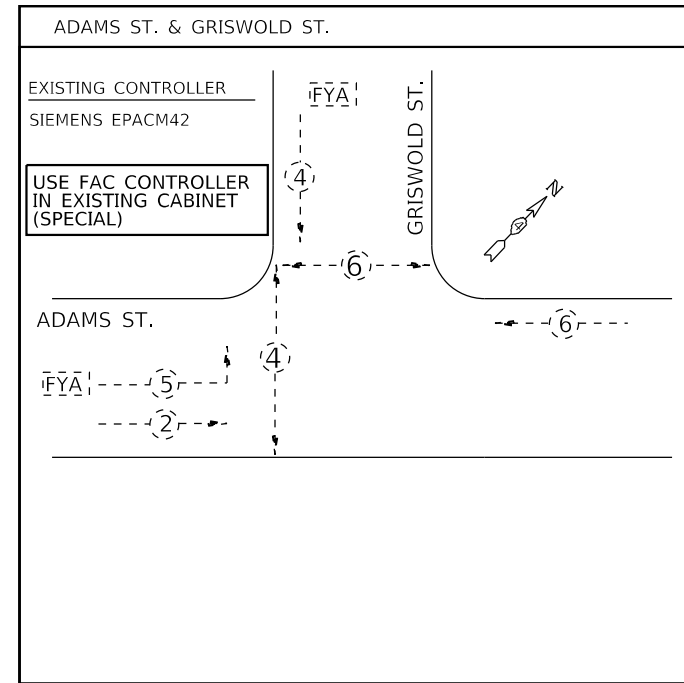
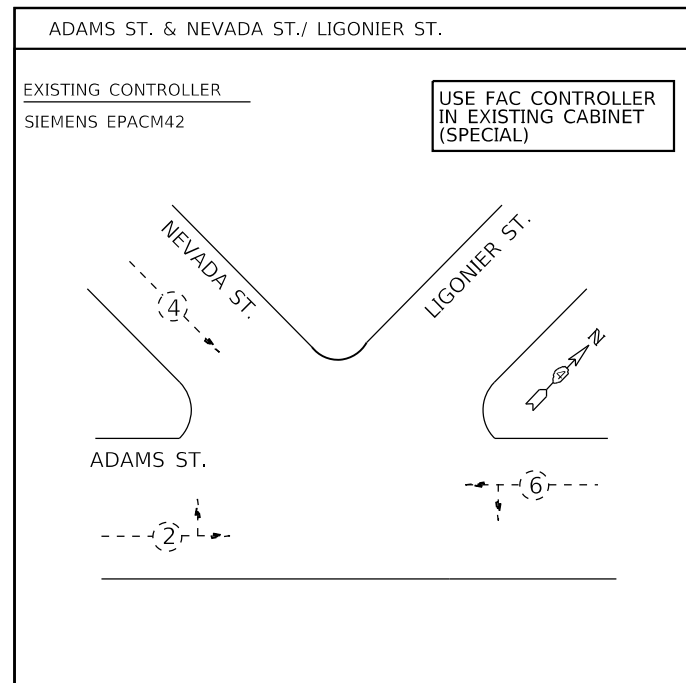
|             |                        |            |           |
|-------------|------------------------|------------|-----------|
| FILE NAME = | USER NAME = \$USERS    | DESIGNED - | REVISED - |
| \$FILES     |                        | DRAWN -    | REVISED - |
|             | PLOT SCALE = \$SCALE\$ | CHECKED -  | REVISED - |
|             | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED IMPROVEMENTS ALONG ADAMS ST.  
FROM LIGONIER ST./NEVADA ST. TO WASHINGTON ST./KRAUSE ST.**

SCALE: STA. TO STA.

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 68        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |



NOT TO SCALE

|                     |                        |            |           |   |   |                    |                  |        |              |           |  |
|---------------------|------------------------|------------|-----------|---|---|--------------------|------------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>FAYETTE/SPALDING/GLENDALE FROM GLEN OAK AVE TO HAMILTON BLVD</b> | F.A.P. RTE.        | SECTION          | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALE\$ | CHECKED -  | REVISED - |   |   | VAR.               | D4 ITS 2018      | PEORIA | 87           | 69        |  |
|                     | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |   |   | CONTRACT NO. 68E20 |                  |        |              |           |  |
|                     |                        |            |           |   |   | ILLINOIS           | FED. AID PROJECT |        |              |           |  |



FO ETN DROP REPEAT SW  
 1.0 EACH (INSTALL IN EX TS CABINET)  
 FAC IN EXIST CAB  
 1.0 EACH (INSTALL IN EX TS CABINET)

IL 29 (ADAMS) & SLOAN

IL 29 (ADAMS) & ALEXANDER

FAC IN EXIST CAB  
 1.0 EACH (INSTALL IN EX TS CABINET)

ETHERNET SWITCH  
 1.0 EACH (INSTALL IN EX TS CABINET)  
 FAC IN EXIST CAB  
 1.0 EACH (INSTALL IN EX TS CABINET)

IL 29 (JEFFERSON) & ABINGTON

ETHERNET SWITCH  
 1.0 EACH (INSTALL IN EX TS CABINET)  
 FAC IN EXIST CAB  
 1.0 EACH (INSTALL IN EX TS CABINET)

SPRING & MONROE

EX. TWISTED PAIR INTERCONNECT

ETHERNET SWITCH  
 1.0 EACH (INSTALL IN EX TS CABINET)  
 FAC IN EXIST CAB  
 1.0 EACH (INSTALL IN EX TS CABINET)

SPRING & IL 29 (JEFFERSON)

EX. TWISTED PAIR INTERCONNECT  
 (TO JEFFERSON & BRYAN)

IL 29 (ADAMS) & SPRING

ETHERNET SWITCH  
 1.0 EACH (INSTALL IN EX TS CABINET)  
 FAC IN EXIST CAB  
 1.0 EACH (INSTALL IN EX TS CABINET)

EX. TWISTED PAIR INTERCONNECT  
 (TO ADAMS & BRYAN/EATON)

TRAFFIC SIGNAL LEGEND

- ..... EX. TWISTED-PAIR INTERCONNECT
- ▣ PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET

SCHEDULE OF QUANTITIES

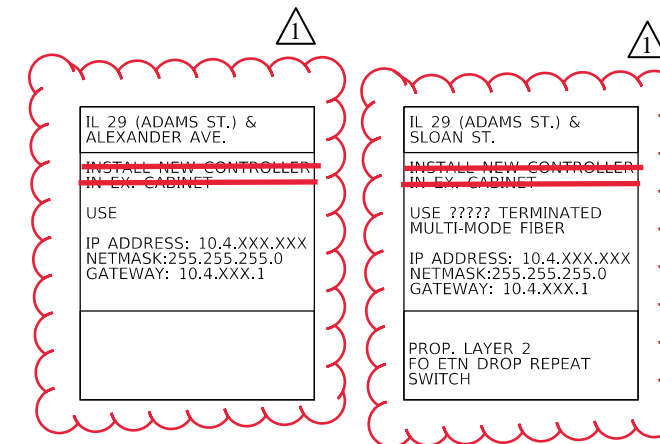
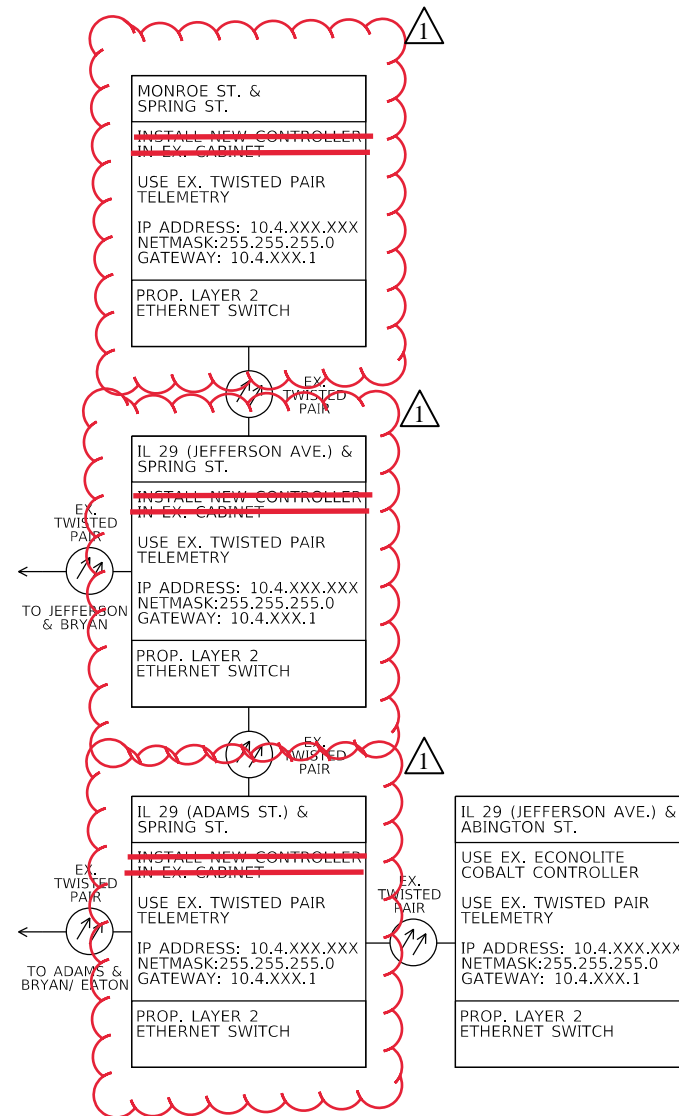
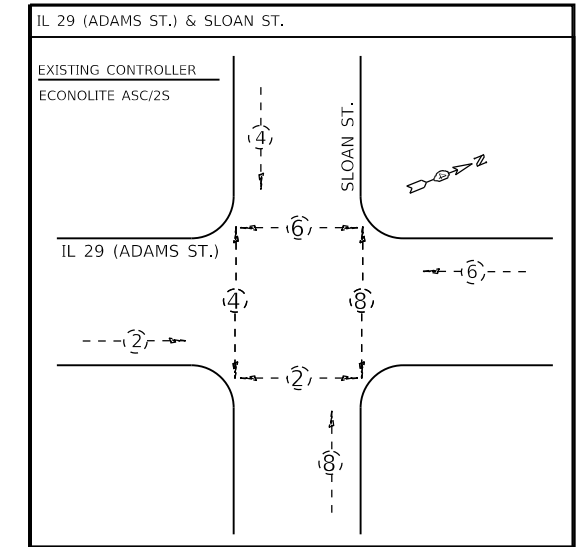
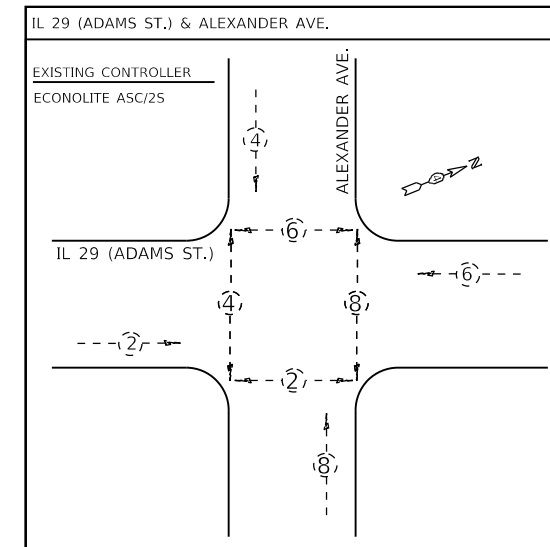
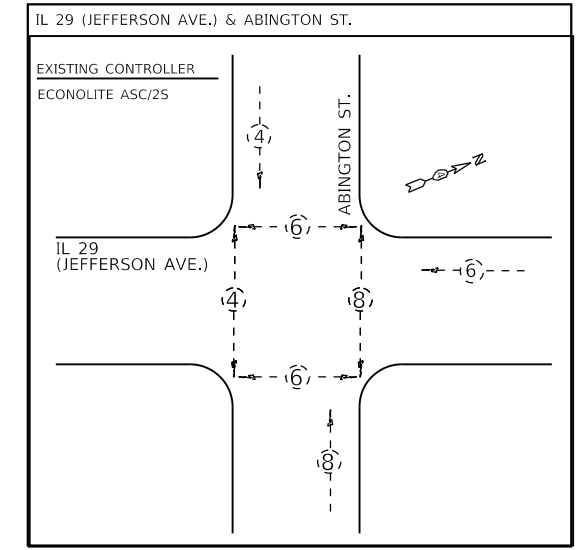
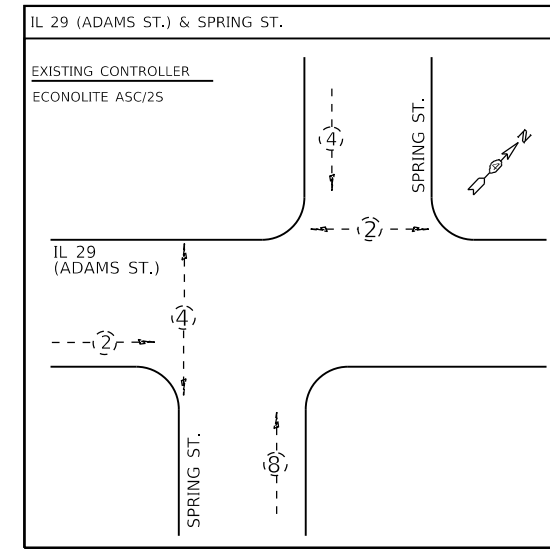
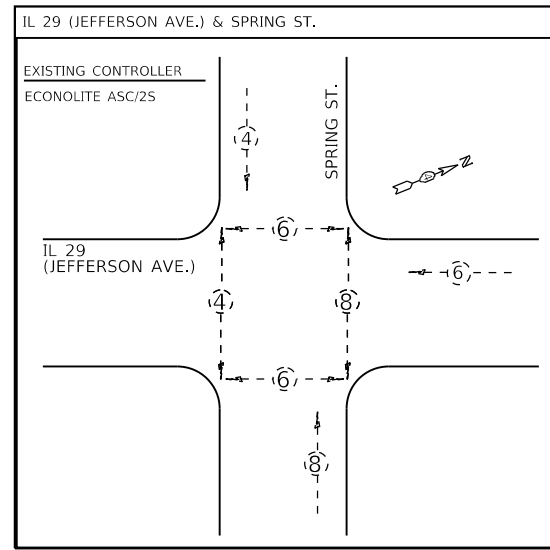
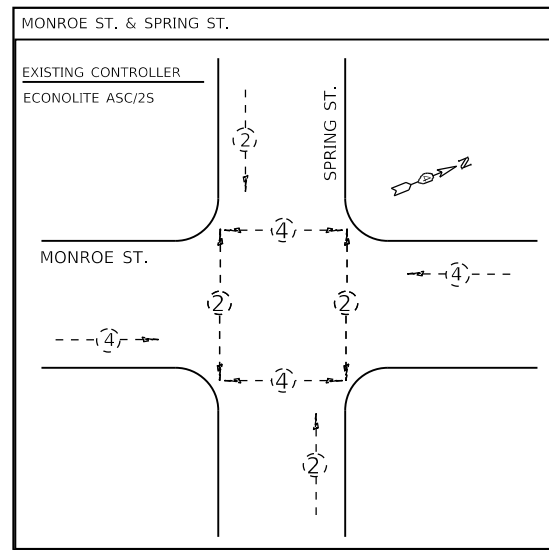
| ITEM DESCRIPTION                                       | QTY. | MONROE ST. & SPRING ST. | IL 29 (JEFFERSON ST.) & SPRING ST. | IL 29 (JEFFERSON ST.) & ABINGTON ST. | IL 29 (ADAMS ST.) & SPRING ST. | IL 29 (ADAMS ST.) & ALEXANDER AVE. | IL 29 (ADAMS ST.) & SLOAN ST. |
|--|------|-------------------------|------------------------------------|--------------------------------------|--------------------------------|------------------------------------|-------------------------------|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0                     | 1.0                                | 1.0                                  | 1.0                            | 1.0                                | 1.0                           |
| ETHERNET SWITCH  | EACH | 1.0                     | 1.0                                | 1.0                                  | 1.0                            | 1.0                                | 1.0                           |

BILL OF MATERIALS

| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
|--|------|----------|
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 6.0      |
| ETHERNET SWITCH  | EACH | 6.0      |

NOT TO SCALE

|                     |                       |            |           |   |  |                           |             |        |              |           |  |
|---------------------|-----------------------|------------|-----------|---|--|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED IMPROVEMENTS ALONG IL 29 (ADAMS ST./JEFFERSON AVE.)<br/>FROM SPRING ST. TO SLOAN ST.</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALES | DRAWN -    | REVISED - |   |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 70        |  |
|                     | PLOT DATE = \$DATES   | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                       | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



NOT TO SCALE

|                     |                        |            |           |
|---------------------|------------------------|------------|-----------|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - |
|                     |                        | DRAWN -    | REVISED - |
|                     | PLOT SCALE = \$SCALE\$ | CHECKED -  | REVISED - |
|                     | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING PHASE AND COMMUNICATION DIAGRAMS  
IL 29 (ADAMS ST./JEFFERSON AVE.) FROM SPRING ST. TO SLOAN ST.**

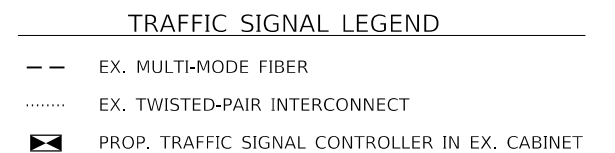
SCALE: STA. TO STA.

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 71        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |



| BILL OF MATERIALS   |                 |                |
|---|-----------------|----------------|
| ITEM DESCRIPTION  | UNIT            | QUANTITY       |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>4.0</del> |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            | 1.0            |
| ETHERNET SWITCH   | EACH            | 3.0            |

| SCHEDULE OF QUANTITIES  |                 |                     |                           |                           |                              |
|---|-----------------|---------------------|---------------------------|---------------------------|------------------------------|
| ITEM DESCRIPTION  | QTY.            | NORTH ST. & MCCLURE | NORTH ST. & NEBRASKA AVE. | NORTH ST. & RICHMOND AVE. | NORTH ST. & COLUMBIA TERRACE |
| <del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL)</del> | <del>EACH</del> | <del>1.0</del>      | <del>1.0</del>            | <del>1.0</del>            | <del>1.0</del>               |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH                       | EACH            |                     |                           |                           | 1.0                          |
| ETHERNET SWITCH   | EACH            | 1.0                 | 1.0                       | 1.0                       |                              |



|                     |                       |            |           |
|---------------------|-----------------------|------------|-----------|
| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISED - |
|                     |                       | DRAWN -    | REVISED - |
|                     | PLOT SCALE = \$SCALES | CHECKED -  | REVISED - |
|                     | PLOT DATE = \$DATES   | DATE -     | REVISED - |

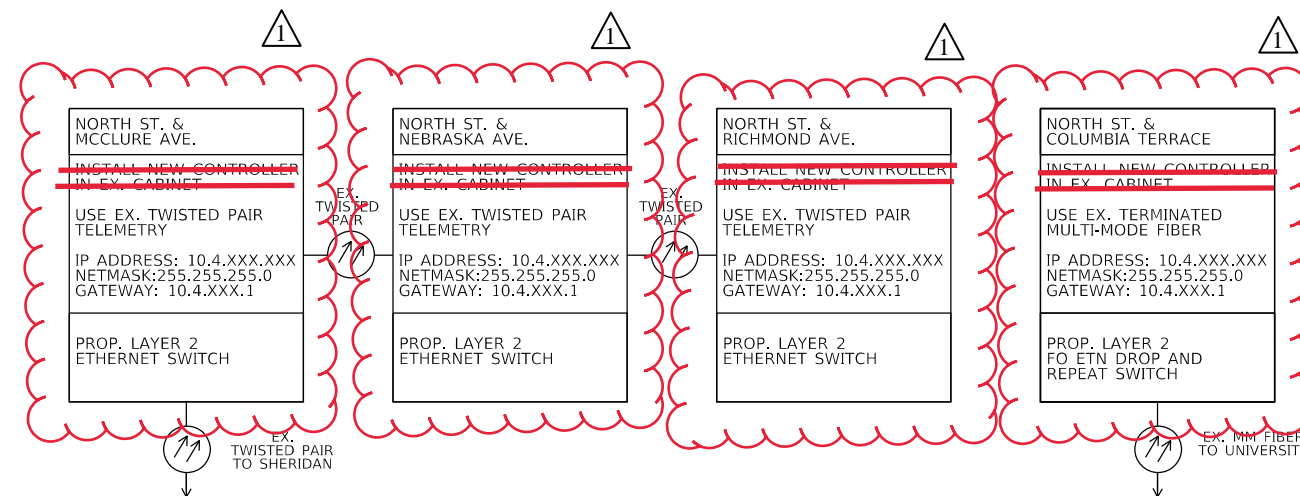
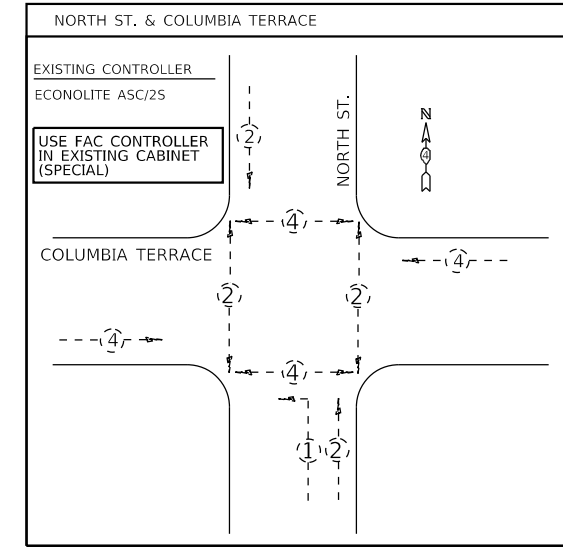
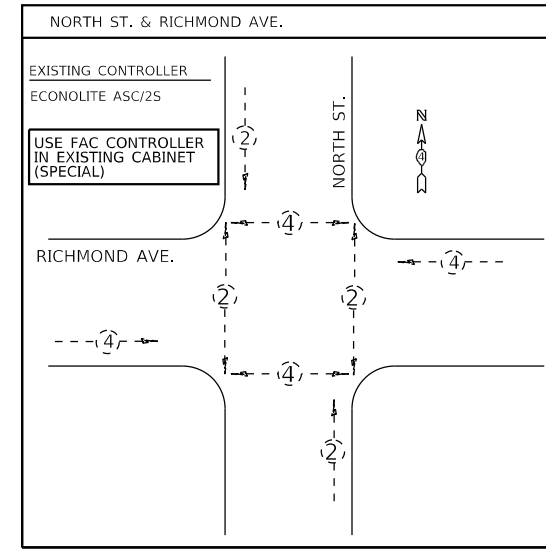
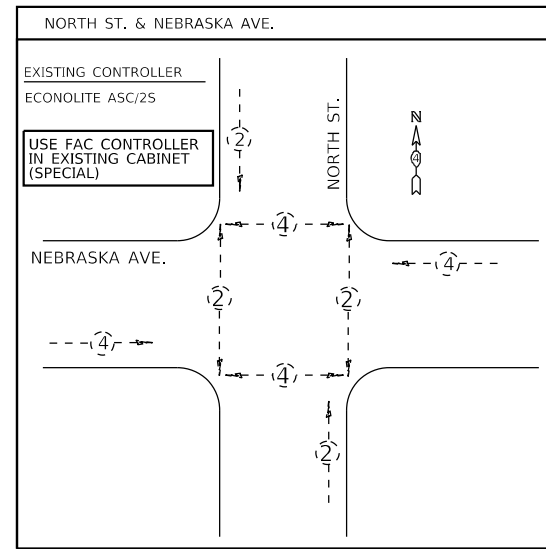
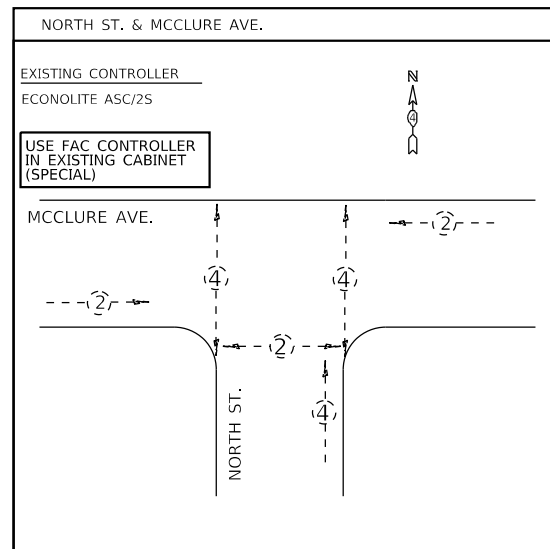
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED IMPROVEMENTS ALONG NORTH ST.  
FROM MCCLURE AVE. TO COLUMBIA TERRACE

SCALE: STA. TO STA.

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 72        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

NOT TO SCALE



NOT TO SCALE

|                     |                     |            |           |   |  |                           |             |        |              |           |  |
|---------------------|---------------------|------------|-----------|---|--|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>NORTH ST. FROM MCCLURE AVE. TO COLUMBIA TERRACE</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     |                     | DRAWN -    | REVISED - |   |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 73        |  |
|                     |                     | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                     | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |             |        |              |           |  |



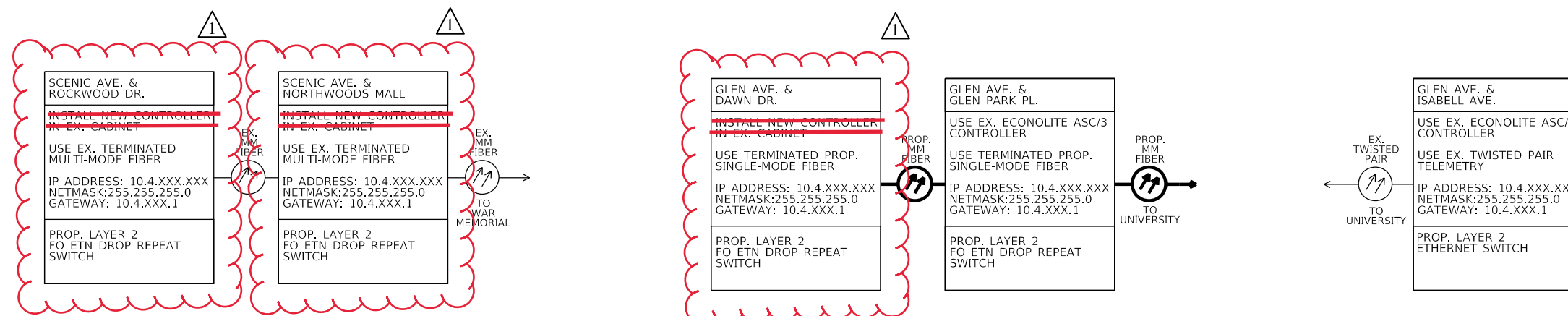
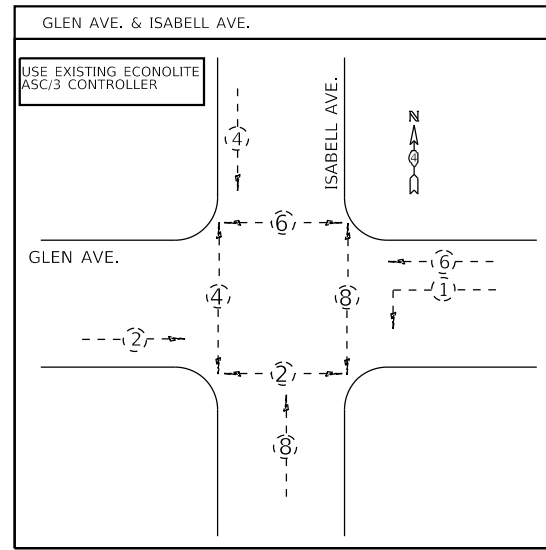
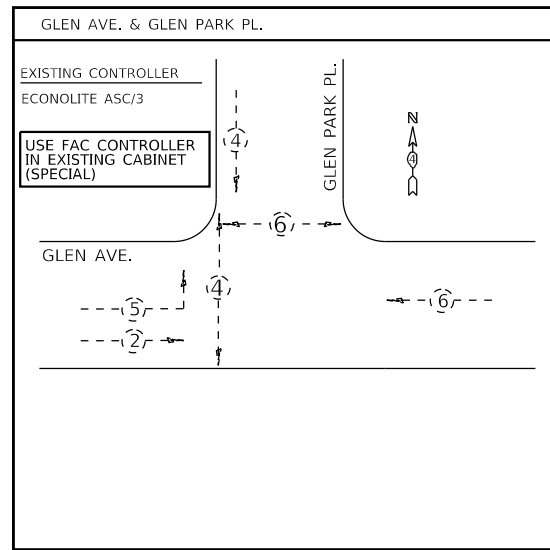
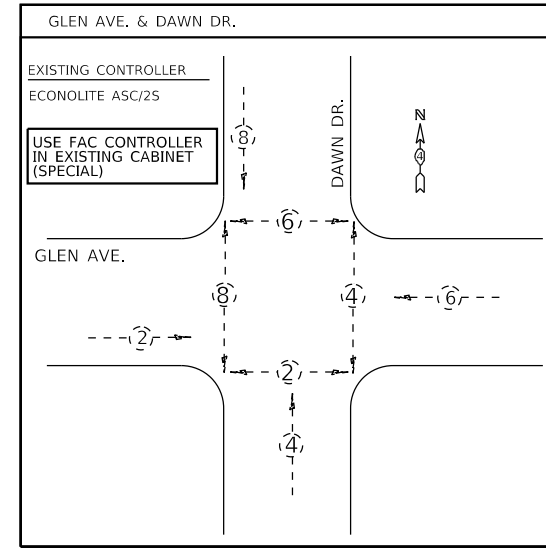
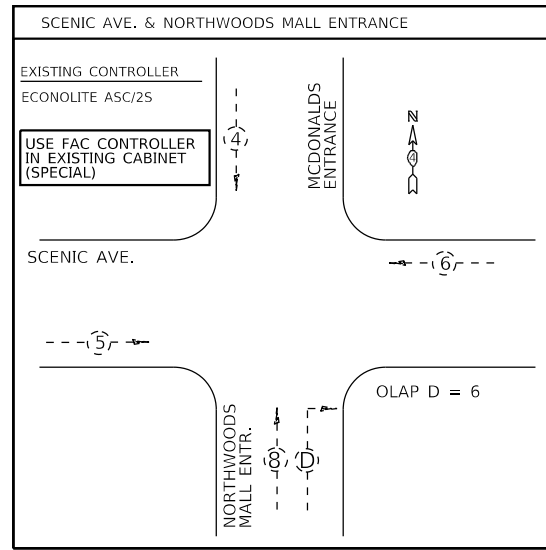
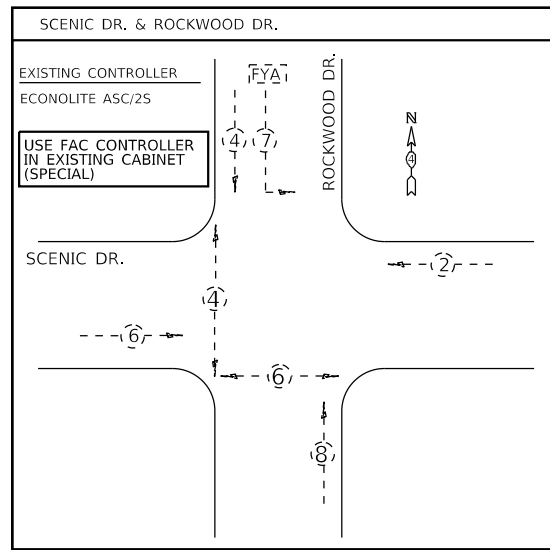
SEE SHEET 86 FOR DETAILS ON FIBER OPTIC CABLE INSTALLATION ALONG GLEN AVE. FROM UNIVERSITY ST. TO DAWN DR.

| FIBER OPTIC CABLE SLACK |           |
|-------------------------|-----------|
| HANDHOLE:               | 10.0 FT.  |
| DOUBLE HANDHOLE:        | 30.0 FT.  |
| COMM. VAULT:            | 100.0 FT. |
| JUNCTION BOX:           | 10.0 FT.  |
| ITS OR SIGNAL CABINET:  | 10.0 FT.  |

| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
| ---                   | EX. MULTI-MODE FIBER                           |
| .....                 | EX. TWISTED-PAIR INTERCONNECT                  |
| ⊠                     | PROP. TRAFFIC SIGNAL CONTROLLER IN EX. CABINET |
| —                     | PROP. SINGLE-MODE FIBER IN EX. CONDUIT         |

| SCHEDULE OF QUANTITIES                                 |      |                            |  |                      |                           |                          |
|--|------|----------------------------|--|----------------------|---------------------------|--------------------------|
| ITEM DESCRIPTION                                       | QTY. | SCENIC AVE. & ROCKWOOD DR. | SCENIC AVE. & NORTHWOODS MALL ENTRANCE | GLEN AVE. & DAWN ST. | GLEN AVE. & GLEN PARK PL. | GLEN AVE. & ISABELL AVE. |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 1.0                        | 1.0                                    | 1.0                  | 1.0                       | 1.0                      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 1.0                        | 1.0                                    | 1.0                  | 1.0                       |                          |
| ETHERNET SWITCH  | EACH |                            |  |                      |                           | 1.0                      |

| BILL OF MATERIALS                                      |      |          |
|--|------|----------|
| ITEM DESCRIPTION                                       | UNIT | QUANTITY |
| FULL-ACTUATED CONTROLLER IN EXISTING CABINET (SPECIAL) | EACH | 5.0      |
| FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH            | EACH | 4.0      |
| ETHERNET SWITCH  | EACH | 1.0      |

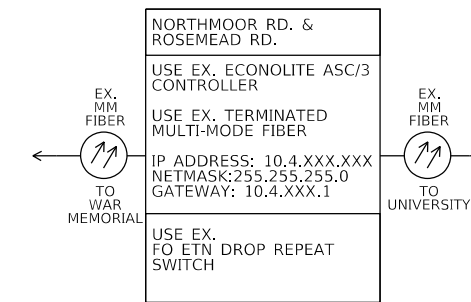
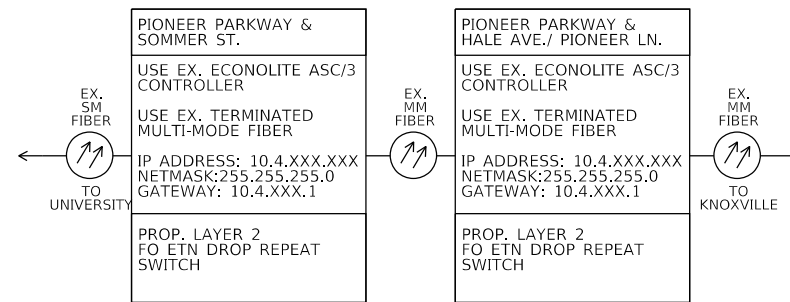
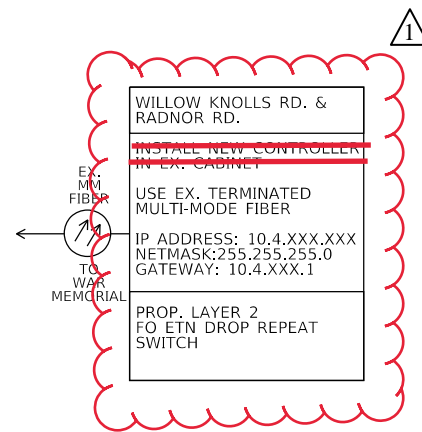
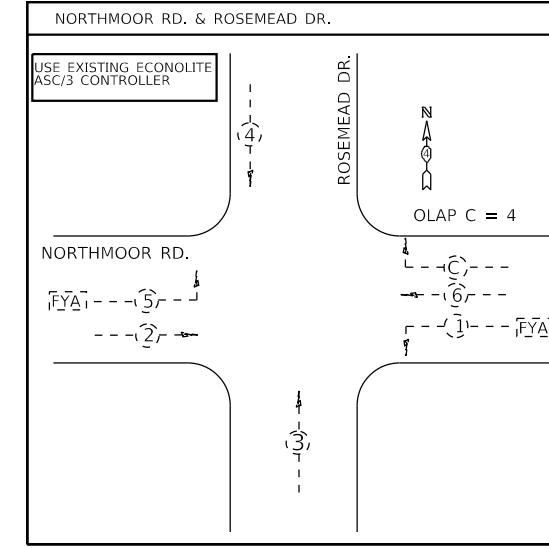
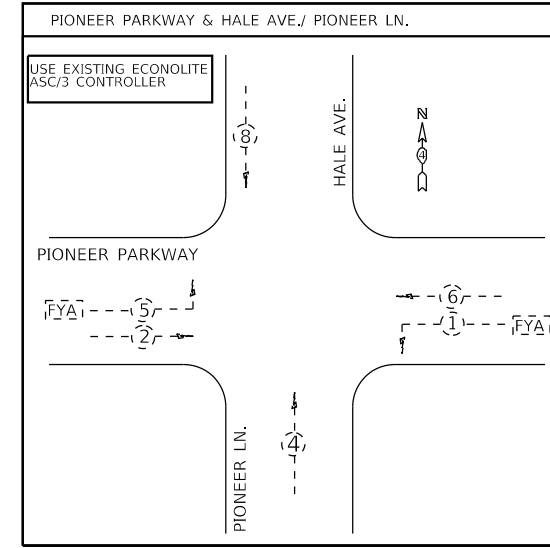
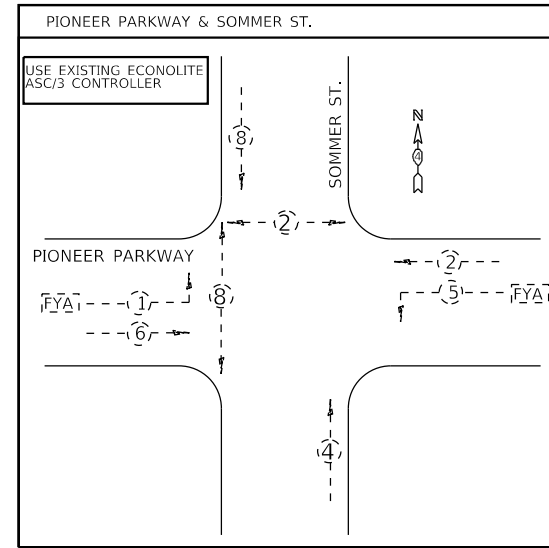
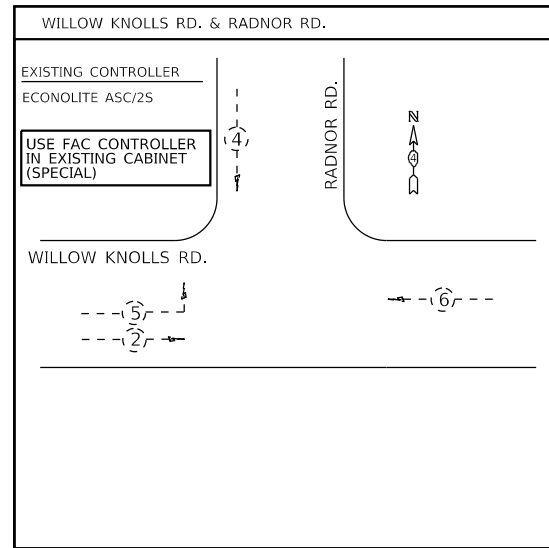


NOT TO SCALE

|                     |                        |            |           |   |  |                     |             |                    |              |                           |  |
|---------------------|------------------------|------------|-----------|---|--|---------------------|-------------|--------------------|--------------|---------------------------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS    | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS<br/>SCENIC AVE. &amp; GLEN AVE. FROM ROCKWOOD DR. TO ISABELL AVE.</b> | F.A.P. RTE.         | SECTION     | COUNTY             | TOTAL SHEETS | SHEET NO.                 |  |
|                     | PLOT SCALE = \$SCALE\$ | CHECKED -  | REVISED - |   |  | VAR.                | D4 ITS 2018 | PEORIA             | 87           | 75                        |  |
|                     | PLOT DATE = \$DATE\$   | DATE -     | REVISED - |   |  | SCALE: STA. TO STA. |             | CONTRACT NO. 68E20 |              | ILLINOIS FED. AID PROJECT |  |
| REV. 2/21/19        |                        |            |           |   |  |                     |             |                    |              |                           |  |







NOT TO SCALE

|                     |                       |            |          |   |  |                    |                  |        |              |           |  |
|---------------------|-----------------------|------------|----------|---|--|--------------------|------------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISD - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>EXISTING PHASE AND COMMUNICATION DIAGRAMS FOR VARIOUS<br/>INTERSECTIONS ON WILLOW KNOLLS, PIONEER PKWY, &amp; NORTHMOOR RD.</b> | F.A.P. RTE.        | SECTION          | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALES | CHECKED -  | REVISD - |   |  | VAR.               | D4 ITS 2018      | PEORIA | 87           | 77        |  |
|                     | PLOT DATE = \$DATES   | DATE -     | REVISD - |   |  | CONTRACT NO. 68E20 |                  |        |              |           |  |
|                     |                       |            |          |   |  | ILLINOIS           | FED. AID PROJECT |        |              |           |  |

FIBER OPTIC CABLE TERMINATION NOTES (SINGLE MODE FIBER OPTIC CABLE)

1. THE PROPOSED FIBER OPTIC CABLE SHALL BE TERMINATED AS SHOWN ON THE FIBER OPTIC LINE/ TERMINATION DIAGRAM.
2. ALL CABLE SPLICES AND TERMINATIONS SHALL BE FUSION SPLICED.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR FIBER OPTIC CABLE TERMINATION, INCLUDING, BUT NOT LIMITED TO, BREAKOUT KITS, FANOUT KITS, ENCLOSURES, WEATHERPROOF SPLICE BOOTS, SPLICE SLEEVES, CONNECTORS, ETC.
4. ALL FIBER CONNECTORS SHALL BE FUSION SPLICED UTILIZING PRE-FORMED CABLES WITH CONNECTORS THAT ARE FUSION SPLICED TO THE PROPOSED FIBER.
5. ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED FIBER OPTIC CABLE. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.
6. ALL TERMINATED FIBERS SHALL BE LATERALLY SPLICED INSIDE COMMUNICATION VAULTS AND HANDHOLES.
7. ALL UNUSED FIBERS AND BUFFER TUBES SHALL REMAIN INTACT FOR FUTURE USE.

**PROPOSED FIBER OPTIC CABLE SHALL BE TERMINATED WITH ST CONNECTORS INSIDE CONTROLLER CABINETS AS SHOWN ON THE FIBER TERMINATION DIAGRAMS AND LATERALLY SPLICED INTO THE MAINLINE FIBER INSIDE EXISTING AND PROPOSED HANDHOLES, DOUBLE HANDHOLES, AND COMMUNICATIONS VAULTS. THE CONTRACTOR SHALL FURNISH AND INSTALL A SEALED WATERPROOF SPLICE BOOT (PREFORMED LINE PRODUCTS COYOTE CLOSURE) AND ALL OTHER ITEMS REQUIRED FOR FIBER INSTALLATION, SPLICING, AND TERMINATION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE OF THE PROPOSED FIBER OPTIC CABLE.**

CCTV DOME CAMERA, IP BASED - QTY. 5

| INTERSECTION                      | LOCATION   | CABLING REQUIRED       |
|-----------------------------------|--|------------------------|
| STERLING AVE. & FORREST HILL AVE. | SOUTHEAST QUADRANT ON MAST ARM FOR EASTBOUND FORREST HILL AVE. | 118.5 FT. CAT 5E CABLE |
| STERLING AVE. & SCENIC AVE.       | NORTHWEST QUADRANT ON MAST ARM FOR WESTBOUND SCENIC AVE.       | 72.0 FT. CAT 5E CABLE  |
| UNIVERSITY ST. & GLEN AVE.        | SOUTHEAST QUADRANT ON MAST ARM FOR EASTBOUND GLEN AVE.         | 72.0 FT. CAT 5E CABLE  |
| UNIVERSITY ST. & NORTHMOOR RD.    | SOUTHWEST QUADRANT ON MAST ARM FOR SOUTHBOUND UNIVERSITY ST.   | 104.0 FT. CAT 5E CABLE |
| UNIVERSITY ST. & PIONEER PARKWAY  | SOUTHEAST QUADRANT ON MAST ARM FOR EASTBOUND PIONEER PARKWAY   | 104.0 FT. CAT 5E CABLE |

BILL OF MATERIALS

| DESCRIPTION                                     | UNIT | QTY.  |
|---|------|-------|
| CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED | EACH | 5.0   |
| CAT 5 ETHERNET CABLE                            | FOOT | 470.5 |



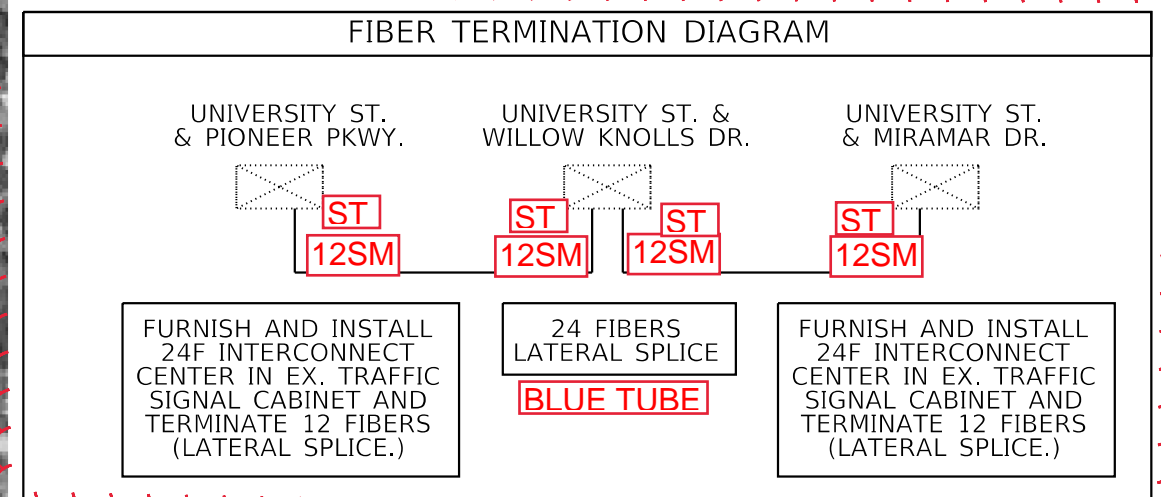
THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A CONCRETE HANDHOLE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL).

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A COMMUNICATIONS VAULT. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR COMMUNICATIONS VAULT.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY LATERALLY SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



FIBER OPTIC CABLE SLACK

|                        |           |
|------------------------|-----------|
| HANDHOLE:              | 10.0 FT.  |
| DOUBLE HANDHOLE:       | 30.0 FT.  |
| COMM. VAULT:           | 100.0 FT. |
| JUNCTION BOX:          | 10.0 FT.  |
| ITS OR SIGNAL CABINET: | 10.0 FT.  |

TRAFFIC SIGNAL LEGEND

|  |  |
|--|--|
|  | EX. TRAFFIC SIGNAL CONTROLLER                      |
|  | EX. HANDHOLE                                       |
|  | EX. DOUBLE HANDHOLE                                |
|  | EX. MULTI-MODE FIBER                               |
|  | PROP. HANDHOLE (PCC), SPECIAL                      |
|  | PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT) |
|  | PROP. SINGLE-MODE FIBER IN EX. CONDUIT             |

BILL OF MATERIALS

| ITEM DESCRIPTION                             | UNIT | QUANTITY |
|--|------|----------|
| HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL) | EACH | 4.0      |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE     | FOOT | 4531.0   |
| COMMUNICATIONS VAULT                         | EACH | 2.0      |

|                     |                     |            |           |
|---------------------|---------------------|------------|-----------|
| FILE NAME = \$FILES | USER NAME = \$USERS | DESIGNED - | REVISED - |
|                     |                     | DRAWN -    | REVISED - |
|                     |                     | CHECKED -  | REVISED - |
|                     |                     | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE INSTALLATION  
UNIVERSITY ST. FROM PIONEER PARKWAY TO MIRAMAR DR.

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 79        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

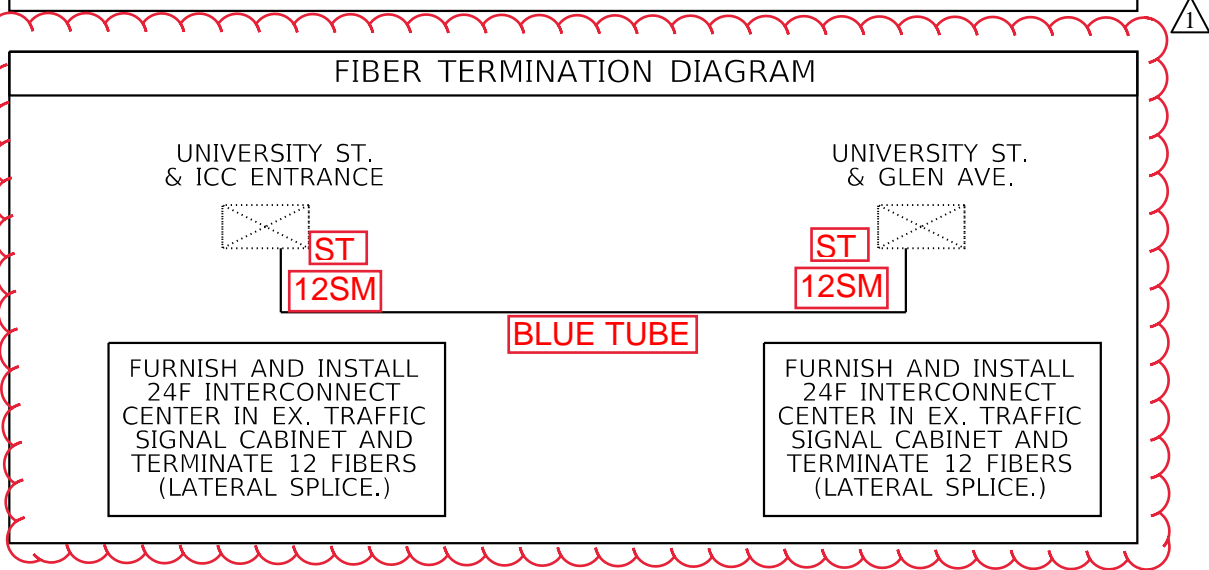


THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A COMMUNICATIONS VAULT. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR COMMUNICATIONS VAULT.

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY LATERALLY SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



| BILL OF MATERIALS                        |      |          |
|--|------|----------|
| ITEM DESCRIPTION                         | UNIT | QUANTITY |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE | FOOT | 2776.0   |
| COMMUNICATIONS VAULT                     | EACH | 1.0      |

FIBER OPTIC CABLE SLACK  
 HANDHOLE: 10.0 FT.  
 DOUBLE HANDHOLE: 30.0 FT.  
 COMM. VAULT: 100.0 FT.  
 JUNCTION BOX: 10.0 FT.  
 ITS OR SIGNAL CABINET: 10.0 FT.

| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
|                       | EX. TRAFFIC SIGNAL CONTROLLER                      |
|                       | EX. HANDHOLE                                       |
|                       | EX. DOUBLE HANDHOLE                                |
|                       | EX. MULTI-MODE FIBER                               |
|                       | PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT) |
|                       | PROP. SINGLE-MODE FIBER IN EX. CONDUIT             |

NOT TO SCALE

|                     |                       |            |           |   |  |                           |             |        |              |           |  |
|---------------------|-----------------------|------------|-----------|---|--|---------------------------|-------------|--------|--------------|-----------|--|
| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED FIBER OPTIC CABLE INSTALLATION<br/>UNIVERSITY ST. FROM ICC ENTRANCE TO GLEN AVE.</b> | F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |  |
|                     | PLOT SCALE = \$SCALES | DRAWN -    | REVISED - |   |  | VAR.                      | D4 ITS 2018 | PEORIA | 87           | 80        |  |
|                     | PLOT DATE = \$DATES   | CHECKED -  | REVISED - |   |  | CONTRACT NO. 68E20        |             |        |              |           |  |
|                     |                       | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |             |        |              |           |  |

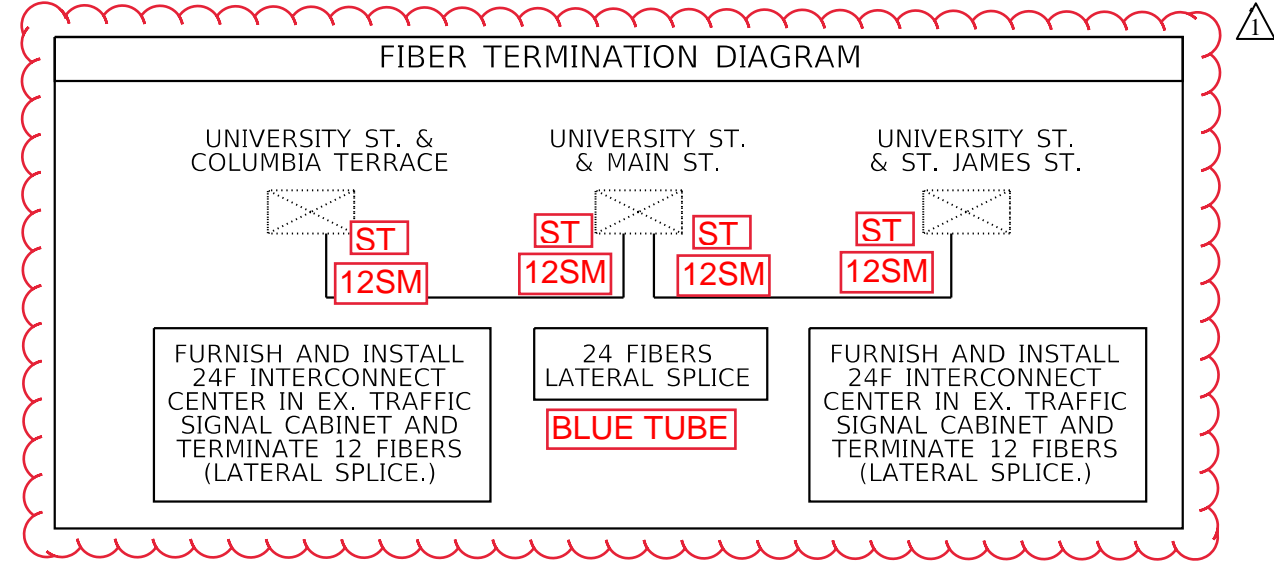


THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A COMMUNICATIONS VAULT. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR COMMUNICATIONS VAULT.

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY Laterally SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



**FIBER OPTIC CABLE SLACK**

HANDHOLE: 10.0 FT.  
 DOUBLE HANDHOLE: 30.0 FT.  
 COMM. VAULT: 100.0 FT.  
 JUNCTION BOX: 10.0 FT.  
 ITS OR SIGNAL CABINET: 10.0 FT.

**TRAFFIC SIGNAL LEGEND**

- EX. TRAFFIC SIGNAL CONTROLLER
- EX. HANDHOLE
- EX. DOUBLE HANDHOLE
- EX. MULTI-MODE FIBER
- PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT)
- PROP. SINGLE-MODE FIBER IN EX. CONDUIT

**BILL OF MATERIALS**

| ITEM DESCRIPTION                         | UNIT | QUANTITY |
|--|------|----------|
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE | FOOT | 2512.0   |
| COMMUNICATIONS VAULT                     | EACH | 2.0      |

|                     |                       |            |           |
|---------------------|-----------------------|------------|-----------|
| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISED - |
|                     |                       | DRAWN -    | REVISED - |
|                     | PLOT SCALE = \$SCALES | CHECKED -  | REVISED - |
|                     | PLOT DATE = \$DATES   | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE INSTALLATION  
UNIVERSITY ST. FROM COLUMBIA TERRACE TO ST JAMES ST.

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 81        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

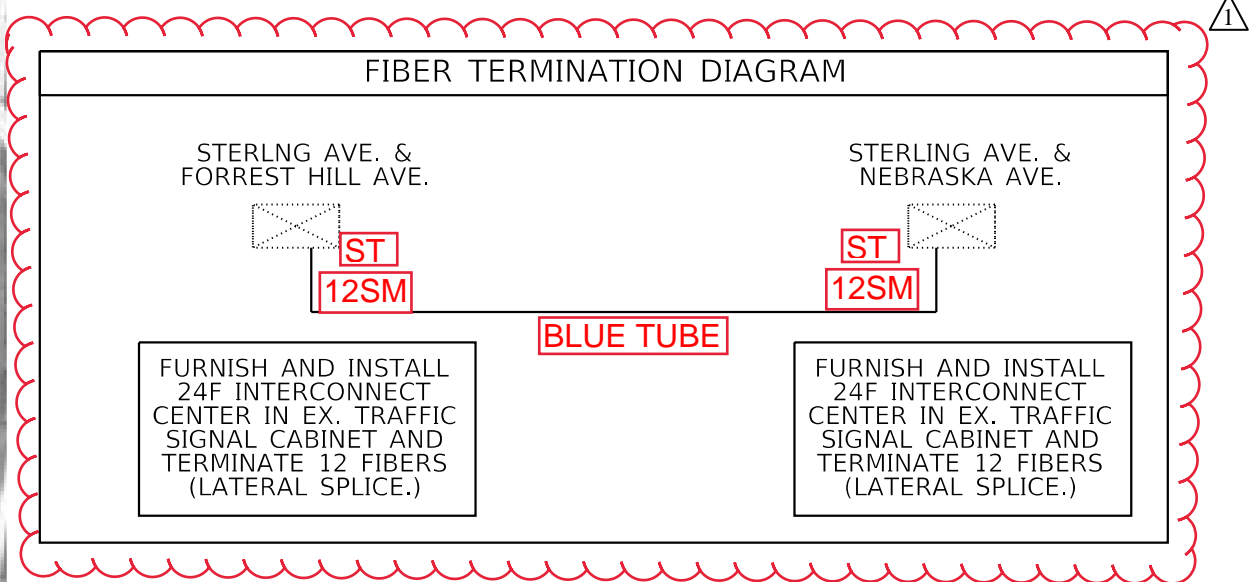
NOT TO SCALE



THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY Laterally Splicing INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



| BILL OF MATERIALS                        |      |          |
|--|------|----------|
| ITEM DESCRIPTION                         | UNIT | QUANTITY |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE | FOOT | 6009.0   |
| COMMUNICATIONS VAULT                     | EACH | 3.0      |

FIBER OPTIC CABLE SLACK

HANDHOLE: 10.0 FT.  
 DOUBLE HANDHOLE: 30.0 FT.  
 COMM. VAULT: 100.0 FT.  
 JUNCTION BOX: 10.0 FT.  
 ITS OR SIGNAL CABINET: 10.0 FT.

| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
|                       | EX. TRAFFIC SIGNAL CONTROLLER                      |
|                       | EX. HANDHOLE                                       |
|                       | EX. DOUBLE HANDHOLE                                |
|                       | EX. MULTI-MODE FIBER                               |
|                       | PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT) |
|                       | PROP. SINGLE-MODE FIBER IN EX. CONDUIT             |

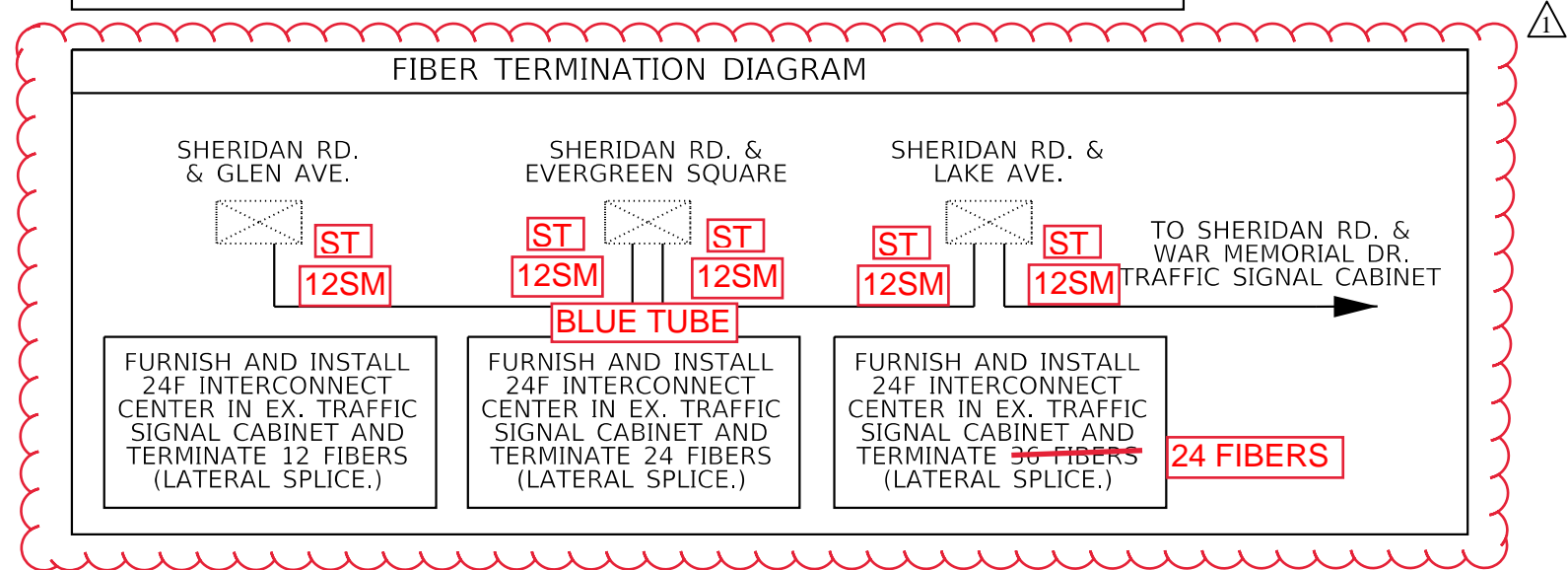


THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A CONCRETE HANDHOLE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL).

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY Laterally SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



| FIBER OPTIC CABLE SLACK |           |
|-------------------------|-----------|
| HANDHOLE:               | 10.0 FT.  |
| DOUBLE HANDHOLE:        | 30.0 FT.  |
| COMM. VAULT:            | 100.0 FT. |
| JUNCTION BOX:           | 10.0 FT.  |
| ITS OR SIGNAL CABINET:  | 10.0 FT.  |

| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
|                       | EX. TRAFFIC SIGNAL CONTROLLER                      |
|                       | EX. HANDHOLE                                       |
|                       | EX. DOUBLE HANDHOLE                                |
|                       | EX. JUNCTION BOX                                   |
|                       | EX. TWISTED-PAIR INTERCONNECT                      |
|                       | PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT) |
|                       | PROP. SINGLE-MODE FIBER IN EX. CONDUIT             |

| BILL OF MATERIALS                            |      |          |
|--|------|----------|
| ITEM DESCRIPTION                             | UNIT | QUANTITY |
| HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL) | EACH | 2.0      |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE     | FOOT | 5222.0   |
| COMMUNICATIONS VAULT                         | EACH | 3.0      |

|                     |                       |            |           |
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| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISED - |
|                     |                       | DRAWN -    | REVISED - |
|                     | PLOT SCALE = \$SCALES | CHECKED -  | REVISED - |
|                     | PLOT DATE = \$DATES   | DATE -     | REVISED - |

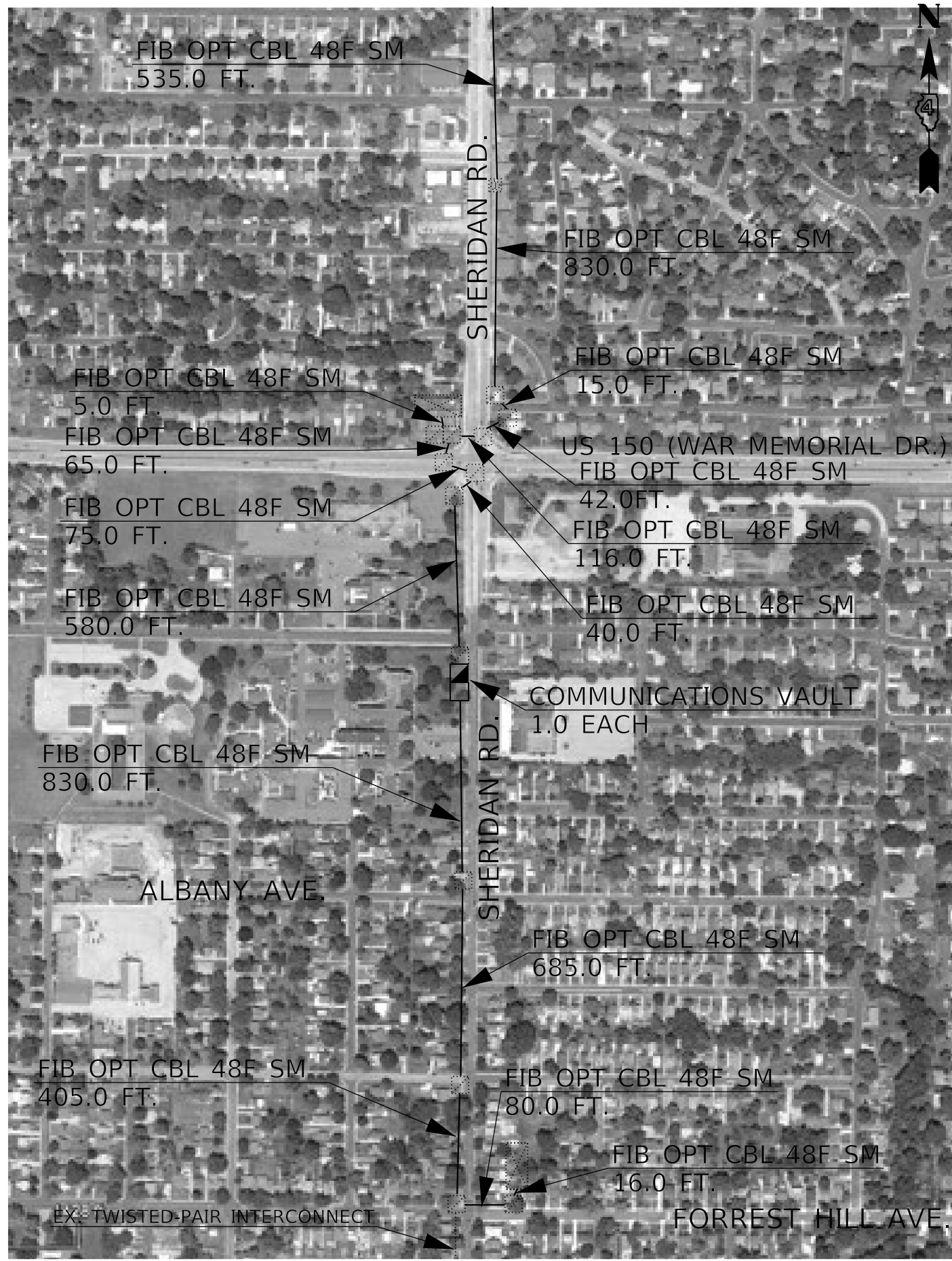
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE INSTALLATION  
SHERIDAN RD. FROM GLEN AVE. TO SHERIDAN VILLAGE ENTRANCE

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 83        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

NOT TO SCALE



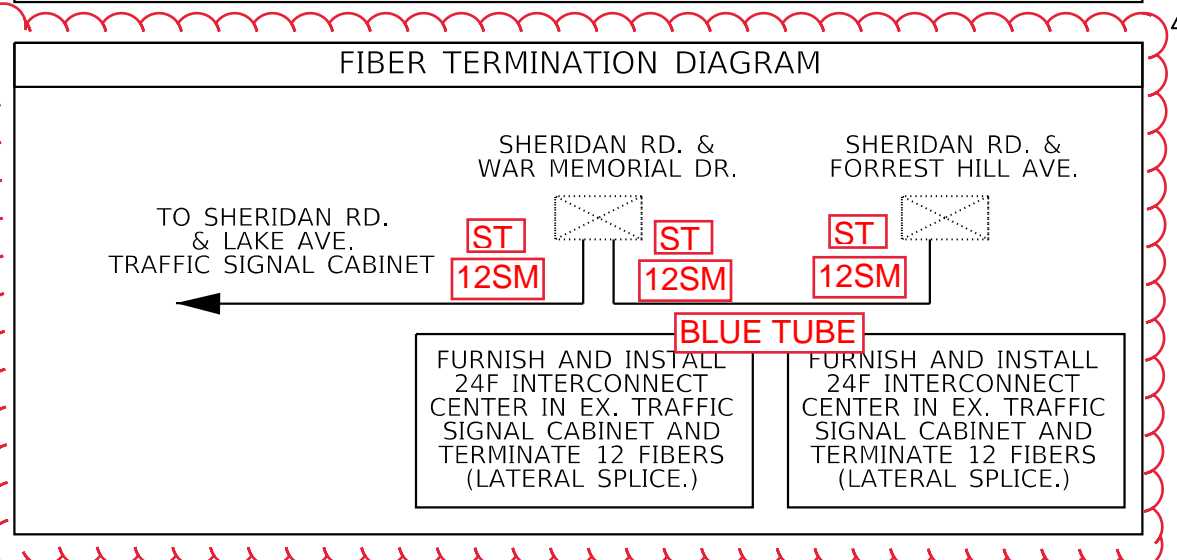


THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A CONCRETE HANDHOLE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL).

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY LATERALLY SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



| BILL OF MATERIALS                        |      |          |
|--|------|----------|
| ITEM DESCRIPTION                         | UNIT | QUANTITY |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE | FOOT | 4630.0   |
| COMMUNICATIONS VAULT                     | EACH | 1.0      |

FIBER OPTIC CABLE SLACK  
 HANDHOLE: 10.0 FT.  
 DOUBLE HANDHOLE: 30.0 FT.  
 COMM. VAULT: 100.0 FT.  
 JUNCTION BOX: 10.0 FT.  
 ITS OR SIGNAL CABINET: 10.0 FT.

| TRAFFIC SIGNAL LEGEND |  |  |  |
|-----------------------|--|--|--|
|                       | EX. TRAFFIC SIGNAL CONTROLLER                      |  | EX. HANDHOLE                               |
|                       | EX. DOUBLE HANDHOLE                                |  | EX. 2" CONDUIT (TWISTED PAIR INTERCONNECT) |
|                       | PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT) |  | PROP. SINGLE-MODE FIBER IN EX. CONDUIT     |

|                     |                       |            |           |
|---------------------|-----------------------|------------|-----------|
| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISED - |
|                     |                       | DRAWN -    | REVISED - |
|                     | PLOT SCALE = \$SCALES | CHECKED -  | REVISED - |
|                     | PLOT DATE = \$DATES   | DATE -     | REVISED - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE INSTALLATION  
 SHERIDAN RD. FROM US 150 (WAR MEMORIAL) TO FORREST HILL AVE.

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 84        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

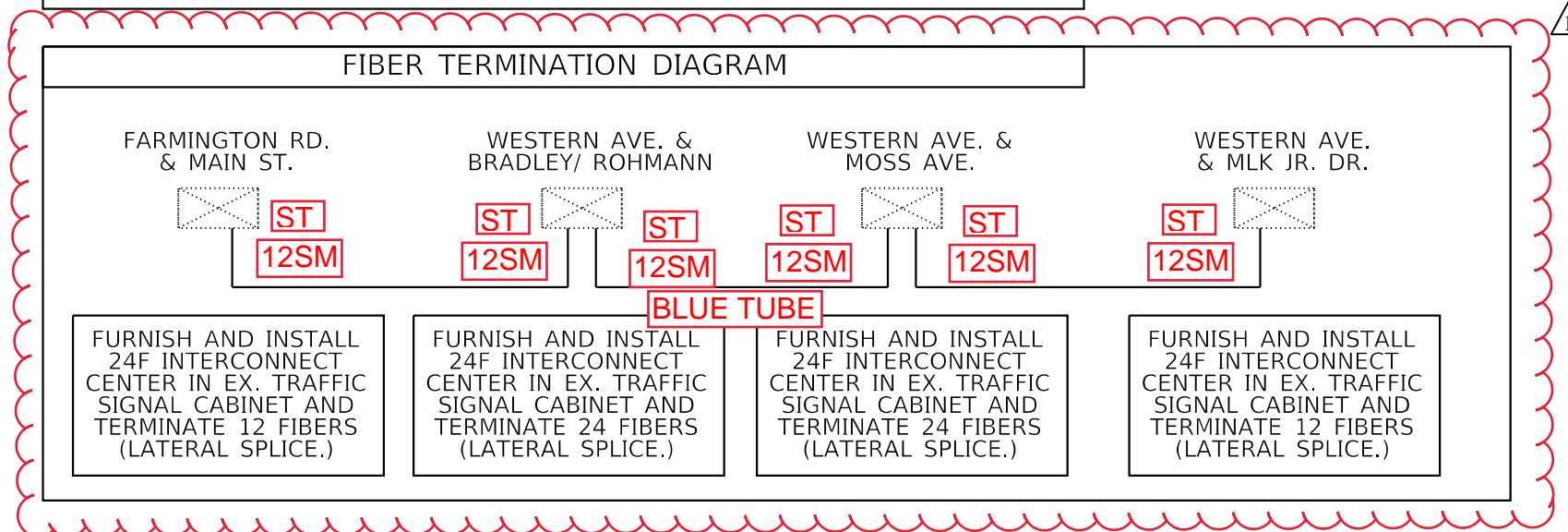


THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A CONCRETE HANDHOLE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL).

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY LATERALLY SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



| BILL OF MATERIALS                        |       |          |
|--|-------|----------|
| ITEM DESCRIPTION                         | UNIT  | QUANTITY |
| PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH | SQ FT | 68.0     |
| SIDEWALK REMOVAL                         | SQ FT | 80.0     |
| UNDERGROUND CONDUIT, PVC, 2" DIA.        | FOOT  | 1545.0   |
| HANDHOLE, PORTLAND CEMENT CONCRETE       | EACH  | 1.0      |
| DRILL EXISTING HANDHOLE                  | EACH  | 2.0      |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE | FOOT  | 6225.0   |
| COMMUNICATIONS VAULT                     | EACH  | 4.0      |

| FIBER OPTIC CABLE SLACK         |
|---------------------------------|
| HANDHOLE: 10.0 FT.              |
| DOUBLE HANDHOLE: 30.0 FT.       |
| COMM. VAULT: 100.0 FT.          |
| JUNCTION BOX: 10.0 FT.          |
| ITS OR SIGNAL CABINET: 10.0 FT. |

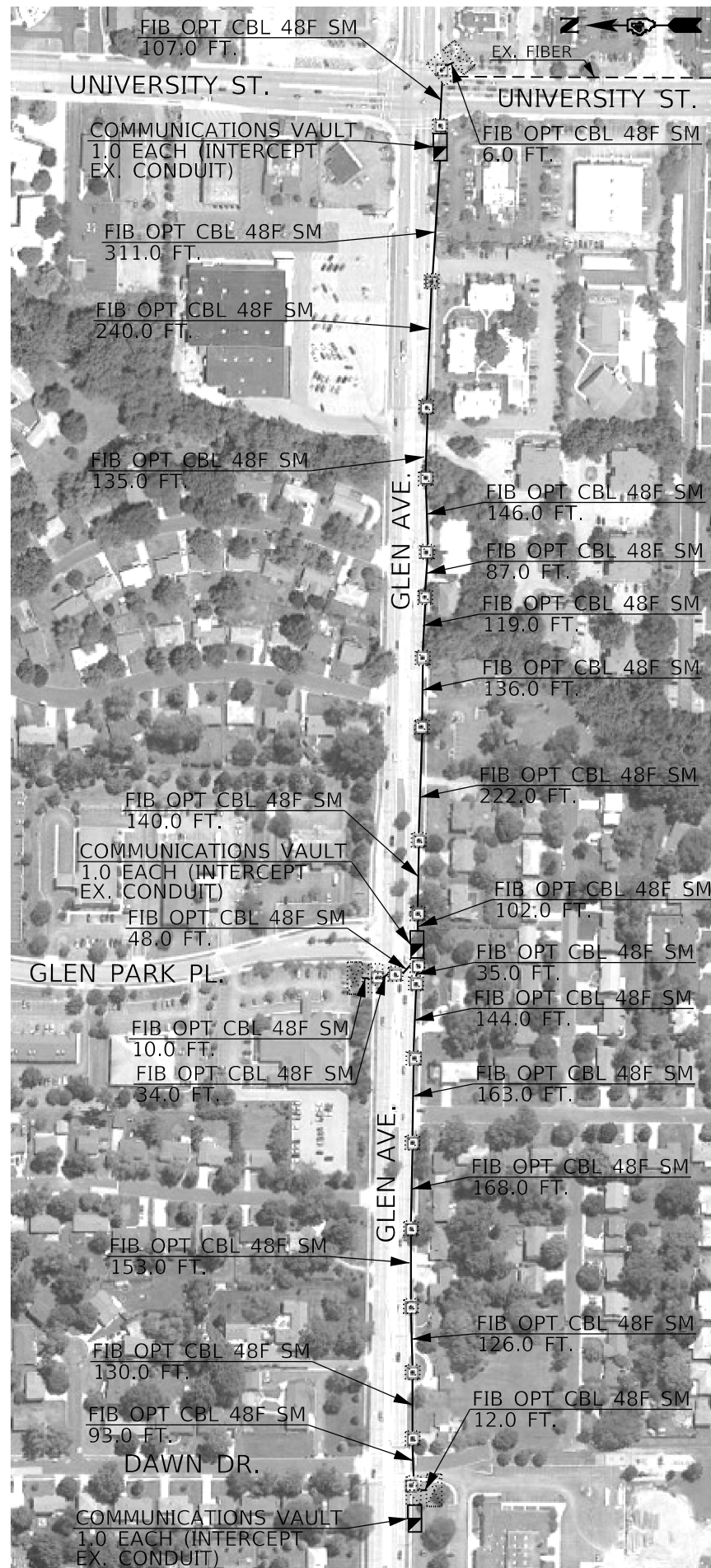
| TRAFFIC SIGNAL LEGEND |  |
|-----------------------|--|
|                       | EX. TRAFFIC SIGNAL CONTROLLER                      |
|                       | EX. HANDHOLE                                       |
|                       | EX. DOUBLE HANDHOLE                                |
|                       | EX. 2" CONDUIT (TWISTED PAIR INTERCONNECT)         |
|                       | PROP. HANDHOLE (PCC)                               |
|                       | PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT) |
|                       | PROP. SINGLE-MODE FIBER IN EX. CONDUIT             |
|                       | PROP. SINGLE-MODE FIBER IN PROP. 2" CONDUIT        |

|                     |                       |            |           |
|---------------------|-----------------------|------------|-----------|
| FILE NAME = \$FILES | USER NAME = \$USERS   | DESIGNED - | REVISED - |
|                     |                       | DRAWN -    | REVISED - |
|                     | PLOT SCALE = \$SCALES | CHECKED -  | REVISED - |
|                     | PLOT DATE = \$DATES   | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED FIBER OPTIC CABLE INSTALLATION  
IL 8 (WESTERN AVE.) FROM IL 8 (FARMINGTON RD.) TO MLK JR DR.**

|                           |             |        |              |           |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 85        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

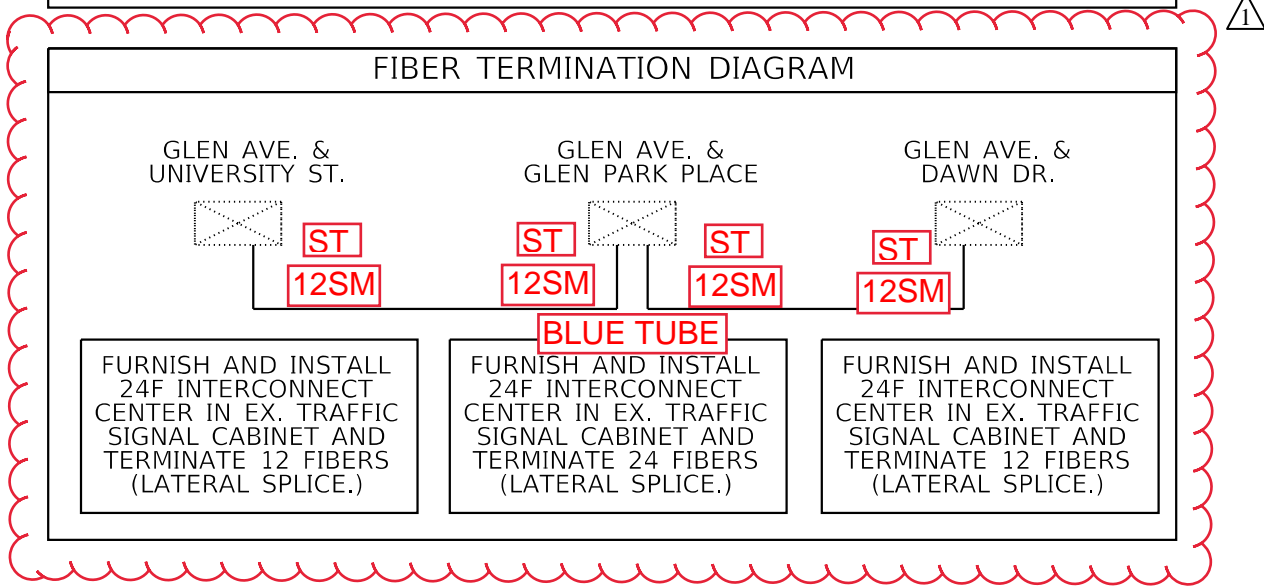


THE CONTRACTOR SHALL REMOVE THE EXISTING COMMUNICATIONS PEDESTAL, DISPOSE OF IT OFFSITE, AND INSTALL A CONCRETE HANDHOLE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL).

THE CONTRACTOR SHALL LOCATE THE EXISTING CONDUIT AND CAREFULLY DIG ENOUGH TO EXPOSE THE CONDUIT. THE CONTRACTOR SHALL CUT THE CONDUIT WHILE KEEPING THE CABLES INSIDE INTACT AND BUILD THE PROPOSED COMMUNICATIONS VAULT AROUND THE EXISTING CONDUIT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULTS.

THE CONTRACTOR SHALL REMOVE THE EXISTING TWISTED PAIR COMMUNICATIONS CABLE AND DISPOSE OF IT OFFSITE. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR FIBER OPTIC CABLE.

THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS FROM ONE BUFFER TUBE INSIDE EACH TRAFFIC SIGNAL CABINET BY LATERALLY SPLICING INTO THE PROPOSED FIBER OPTIC CABLE. ALL UNUSED FIBERS SHALL REMAIN INTACT AND CONTINUOUS FOR FUTURE USE.



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| BILL OF MATERIALS                        |      |          |
|--|------|----------|
| ITEM DESCRIPTION                         | UNIT | QUANTITY |
| FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE | FOOT | 3603.0   |
| COMMUNICATIONS VAULT                     | EACH | 3.0      |

| FIBER OPTIC CABLE SLACK         |
|---------------------------------|
| HANDHOLE: 10.0 FT.              |
| DOUBLE HANDHOLE: 30.0 FT.       |
| COMM. VAULT: 100.0 FT.          |
| JUNCTION BOX: 10.0 FT.          |
| ITS OR SIGNAL CABINET: 10.0 FT. |

| TRAFFIC SIGNAL LEGEND |  |  |  |
|-----------------------|--|--|--|
|                       | EX. TRAFFIC SIGNAL CONTROLLER                      |  |  |
|                       | EX. HANDHOLE                                       |  |  |
|                       | EX. DOUBLE HANDHOLE                                |  |  |
|                       | EX. JUNCTION BOX                                   |  |  |
|                       | PROP. COMMUNICATIONS VAULT (INTERCEPT EX. CONDUIT) |  |  |
|                       | PROP. SINGLE-MODE FIBER IN EX. CONDUIT             |  |  |

FILE NAME = \$FILES

USER NAME = \$USERS  
PLOT SCALE = \$SCALES  
PLOT DATE = \$DATES

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED FIBER OPTIC CABLE INSTALLATION  
GLEN AVE. FROM UNIVERSITY ST. TO DAWN DR.  
SCALE: STA. TO STA.

| F.A.P. RTE.               | SECTION     | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| VAR.                      | D4 ITS 2018 | PEORIA | 87           | 86        |
| CONTRACT NO. 68E20        |             |        |              |           |
| ILLINOIS FED. AID PROJECT |             |        |              |           |

NOT TO SCALE