

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| F.A.P. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------|-----------------|----------|-------------------|-----------|
| 332 | (3X,4-2B,3)TS-5 | WHITE | 13 | 1 |
| | | ILLINOIS | CONTRACT NO 78984 | |

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 332 (IL 1/14)
SECTION (3X,4-2B,3)TS-5

TRAFFIC DATA

IL 1 WEST OF IL 14
ADT:9300(2021) %TRUCKS: 6%

IL 1/14 EAST OF IL 1
ADT:7050(2021) %TRUCKS: 9%

**TOWNSHIPS
Carmi**

POSTED SPEED : 30 MPH (IL 1/14 Staley St. to IL 1 Slocumb St.)
35 MPH (IL 1 Slocumb St. to IL 1 Fairground Rd.)
45 MPH (IL 1 Fairground Rd. to IL 1 Industrial Ave.)

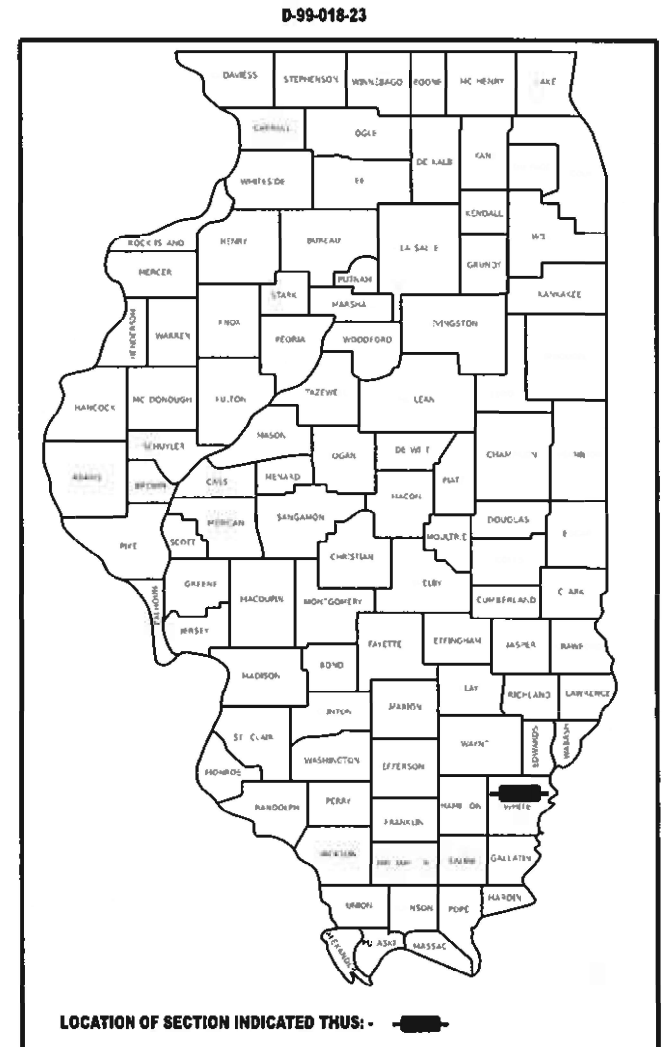
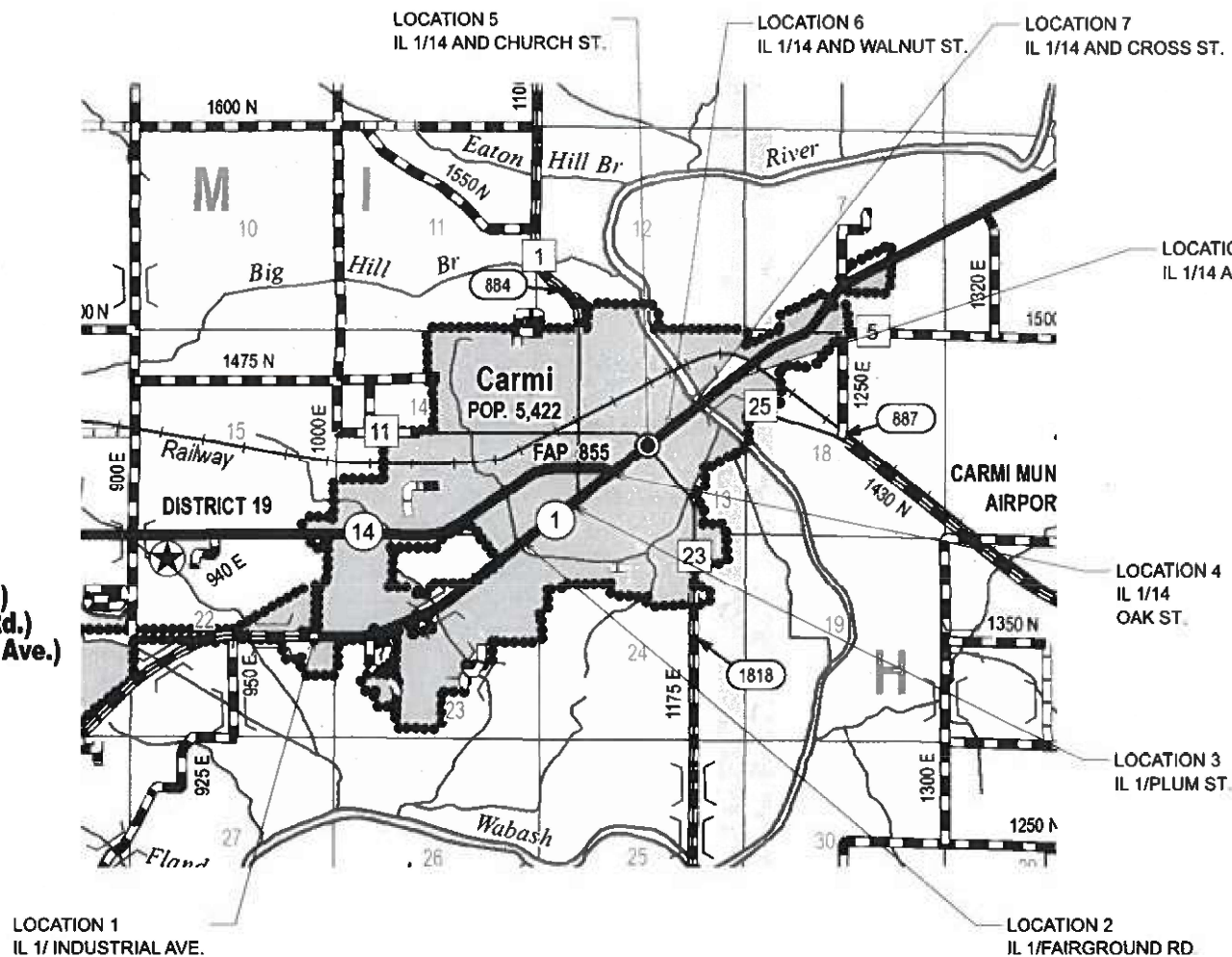
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: SUSAN POE
PROJECT DESIGNER: TRISTEN REID

CONTRACT NO. 78984

**TRAFFIC SIGNAL COMMUNICATION UPGRADES
WHITE COUNTY**

C-99-029-23



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 27 20 23
Kirk H. Braun
REGION FIVE ENGINEER

March 24, 2023 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 24, 2023 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

Prepared By: Charles Steier
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Lee
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carroll
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: [Signature]
DISTRICT OPERATIONS ENGINEER

Examined By: Daryl J. [Signature]
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Daryl J. [Signature]
DISTRICT CONSTRUCTION ENGINEER

Examined By: Aaron [Signature]
DISTRICT MATERIALS ENGINEER

MODEL: MODELNAME
FILE NAME: SPEELS

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

SCALE: SHEET 2 OF 13 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-----------------|--------|--------------|-----------|
| 332 | (3X,4-2B,3)TS-5 | WHITE | 13 | 2 |
| CONTRACT NO. 78984 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|---|
| 1 | COVER SHEET |
| 2 | SIGNATURE SHEET |
| 3 | INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS |
| 4 | SUMMARY OF QUANTITIES |
| 5 | INDUSTRIAL AVE. |
| 5 | FAIRGROUND RD. |
| 7 | PLUM ST. |
| 8 | OAK ST. |
| 9 | CHURCH ST. |
| 10 | WALNUT ST. |
| 11 | MAIN CROSS ST. |
| 12 | STALEY ST. |
| 13 | DETAIL: MAST ARM EXTENSION |

HIGHWAY STANDARDS

000001-08_STANDARDSYMBOLSABBREVIATIONS-PATTERNS-001
 001006_DECIMALOFINCH-FOOT
 701001-02_OFFRDOP-2L2W-15FTMINFROMEOP
 701006-05_OFFRDOP-2L2W-15FTTOEOP
 701501-06_URBANLNCLOSURE2L2W-UNDIVIDED
 701502-09_URBANLNCLOSURE2L2WWITHBIDIRECTLEFTTURNLN
 701701-10_URBANLNCLOSUREMULTILNINTERSECTION
 701801-06_SIDEWALKCORNERORCROSSWALKCLOSURE
 701901-08_TRAFCNTRLDEVICES
 805001-01_ELECTRICALSERVICE INSTALLATION DETAILS
 857001-01_STANDARD PHASE DESIGNATION DIAGRAMS AND
 PHASE SEQUENCES

GENERAL NOTES

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 48 HOURS PRIOR TO SHUT DOWN OF ANY TRAFFIC SIGNAL.

COMMITMENTS

NONE

REV. - MS

MODEL: Gen notes - Gen notes (Sheet)
FILE NAME: p:\1100-p11-bimby.com\PMIDOT\Documents\DOT_Official\Drawings\1100\1100-03\1100-03-03\1100-03-03-03.dwg

| | | |
|-------------------------------|------------|-----------|
| USER NAME = Tristan Reid | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 0.16666633 1/in. | CHECKED - | REVISED - |
| PLOT DATE = 1/24/2023 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS
GENERAL NOTES, COMMITMENTS

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. TO STA.

| F.A.P. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-----------------|--------|--------------------------|--------------|
| 332 | (3X.4-2B.3)TS-5 | WHITE | 13 | 3 |
| CONTRACT NO. 78984 | | | ILLINOIS FED AID PROJECT | |

SUMMARY OF QUANTITIES

| | | |
|-----------|------------|------------|
| COUNTY: | WHITE CO | WHITE CO |
| ROUTE: | IL 1 | IL 1/IL 14 |
| FUNDING: | 100% STATE | 100% STATE |
| LOCATION: | URBAN | URBAN |
| | ROADWAY | ROADWAY |
| | 0021 | 0021 |

| CODE NUMBER | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY | ROADWAY 0021 | ROADWAY 0021 |
|-------------|---|--------|----------------|--------------|--------------|
| 67100100 | MOBILIZATION | L SUM | 1 | 0.37 | 0.63 |
| 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | L SUM | 1 | 0.20 | 0.80 |
| 70102622 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701502 | L SUM | 1 | | 1 |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | L SUM | 1 | 0.33 | 0.67 |
| 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | L SUM | 1 | 0.33 | 0.67 |
| 70107025 | CHANGEABLE MESSAGE SIGN | CAL DA | 42 | 14 | 28 |
| 80300100 | LOCATING UNDERGROUND CABLE | FOOT | 205 | 165 | 40 |
| 81028350 | UNDERGROUND CONDUIT, PVC, 2" DIA. | FOOT | 205 | 165 | 40 |
| 87900200 | DRILL EXISTING HANDHOLE | EACH | 6 | 4 | 2 |
| 89502210 | MODIFY EXISTING CONTROLLER CABINET | EACH | 8 | 3 | 5 |
| X0325810 | WIRELESS ETHERNET RADIO | EACH | 14 | 5 | 9 |
| X0325922 | CELLULAR MODEM | EACH | 1 | | 1 |
| X8710103 | ETHERNET SWITCH | EACH | 8 | 3 | 5 |
| X1400127 | CAT. 6 ETHERNET CABLE | FOOT | 1,875 | 600 | 1,275 |
| X8570215 | FULL-ACTUATED CONTROLLER IN EXISTING CABINET | EACH | 4 | 1 | 3 |

REV. - MS

MODEL: S001 (Rev) 11/2011
 FILE NAME: \\p0100101\proj\78984\78984.dwg

| | | |
|-------------------------------|------------|-----------|
| USER NAME = Viron.Rold | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 0.18666633 1/16" | CHECKED - | REVISED - |
| PLOT DATE = 1/24/2023 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.P. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|-----------------|--------|--------------|-----------|
| 332 | (3X,4-28.3)TS-5 | WHITE | 13 | 4 |
| CONTRACT NO. 78984 | | | | |
| ILLINOIS FED AID PROJECT | | | | |

INTERSECTION QUANTITIES

| CODE NUMBER | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY |
|-------------|------------------------------------|------|----------------|
| 89502210 | MODIFY EXISTING CONTROLLER CABINET | EACH | 1 |
| X0325810 | WIRELESS ETHERNET RADIO | EACH | 1 |
| X8710103 | ETHERNET SWITCH | EACH | 1 |
| X1400127 | CAT. 6 ETHERNET CABLE | FOOT | 75 |








NOTES:

| | |
|---|--|
| 1 | CONTRACTOR SHALL VERIFY PROPER RADIO PLACEMENT PRIOR TO INSTALLATION. |
| 2 | CONTRACTOR SHALL USE EXISTING CONDUIT TO RUN CAT 6 CABLE UNLESS OTHERWISE NOTED. |

IL 1

MOUNT RADIO ON TOP OF POLE BELOW LUMINARIE AIMED TOWARD FAIRGROUND RD.

LEGEND:

| | |
|---|---|
|  | EXISTING CONTROLLER CABINET |
|  | EXISTING TRAFFIC SIGNAL COMINATION MAST/ARM |
|  | EXISTING HEAD WITH BACKPLATE |
|  | EXISTING CONDUIT |
|  | EXISTING DOUBLE HAND-HOLE |
|  | PROPOSED CAT 6 CABLE |
|  | PROPOSED RADIO |

MODEL: \\MODEL\NAME5
FILE NAME: 1781153

| | | |
|---------------------|------------|-----------|
| USER NAME = BUSERS | DESIGNED - | REVISED - |
| PLOT SCALE = SCALES | DRAWN - | REVISED - |
| PLOT DATE = SDATES | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

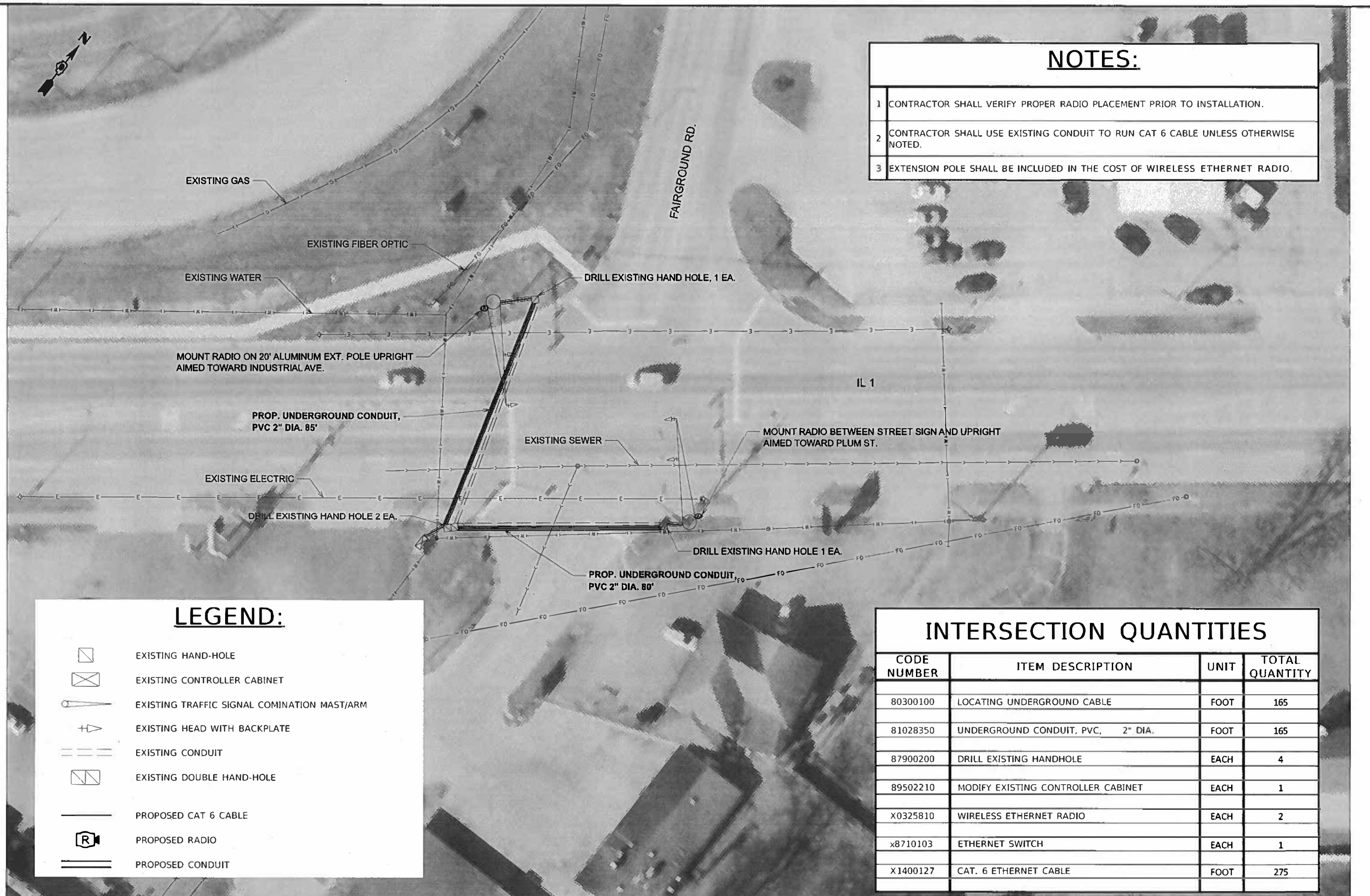
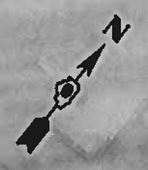
IL 1/INDUSTRIAL AVE.

REV. - MS

SCALE: 1"=20' SHEET 1 OF 8 SHEETS: STA. TO STA.

| F.A.P. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-----------------|--------|--------------|-----------|
| 332 | (3X,4-28.3)TS-5 | WHITE | 13 | 5 |
| CONTRACT NO. 78984 | | | | |

ILLINOIS FED AID PROJECT



| NOTES: | |
|--------|--|
| 1 | CONTRACTOR SHALL VERIFY PROPER RADIO PLACEMENT PRIOR TO INSTALLATION. |
| 2 | CONTRACTOR SHALL USE EXISTING CONDUIT TO RUN CAT 6 CABLE UNLESS OTHERWISE NOTED. |
| 3 | EXTENSION POLE SHALL BE INCLUDED IN THE COST OF WIRELESS ETHERNET RADIO. |

| LEGEND: | |
|---------|---|
| | EXISTING HAND-HOLE |
| | EXISTING CONTROLLER CABINET |
| | EXISTING TRAFFIC SIGNAL COMINATION MAST/ARM |
| | EXISTING HEAD WITH BACKPLATE |
| | EXISTING CONDUIT |
| | EXISTING DOUBLE HAND-HOLE |
| | PROPOSED CAT 6 CABLE |
| | PROPOSED RADIO |
| | PROPOSED CONDUIT |

| INTERSECTION QUANTITIES | | | |
|-------------------------|------------------------------------|------|----------------|
| CODE NUMBER | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY |
| 80300100 | LOCATING UNDERGROUND CABLE | FOOT | 165 |
| 81028350 | UNDERGROUND CONDUIT, PVC, 2" DIA. | FOOT | 165 |
| 87900200 | DRILL EXISTING HANDHOLE | EACH | 4 |
| 89502210 | MODIFY EXISTING CONTROLLER CABINET | EACH | 1 |
| X0325810 | WIRELESS ETHERNET RADIO | EACH | 2 |
| x8710103 | ETHERNET SWITCH | EACH | 1 |
| X1400127 | CAT. 6 ETHERNET CABLE | FOOT | 275 |

MODEL: \\MODEL\NAMES
FILE NAME: 3FELE3

| | | |
|---------------------|------------|-----------|
| USER NAME = SUSERS | DESIGNED - | REVISED - |
| PLOT SCALE = SCALES | DRAWN - | REVISED - |
| PLOT DATE = SDATES | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | |
|---------------|---------------------|--------------|
| SCALE: 1"=20' | SHEET 2 OF 8 SHEETS | STA. TO STA. |
|---------------|---------------------|--------------|

IL1/FAIRGROUND RD.










REV. - MS

| | | | | |
|--------------------|-------------------------|--------------|---------------------------|-------------|
| F.A.P. RTE. 332 | SECTION (3X,4-28.3)TS-5 | COUNTY WHITE | TOTAL SHEETS 13 | SHEET NO. 6 |
| CONTRACT NO. 78984 | | | ILLINOIS FED. AID PROJECT | |

NOTES:

- 1 CONTRACTOR SHALL VERIFY PROPER RADIO PLACEMENT PRIOR TO INSTALLATION.
- 2 CONTRACTOR SHALL USE EXISTING CONDUIT TO RUN CAT 6 CABLE UNLESS OTHERWISE NOTED.
- 3 EXTENSION POLE SHALL BE INCLUDED IN THE COST OF WIRELESS ETHERNET RADIO.

LEGEND:

-  EXISTING HAND-HOLE
-  EXISTING TRAFFIC SIGNAL COMINATION MAST/ARM
-  EXISTING HEAD WITH BACKPLATE
-  EXISTING CONDUIT
-  EXISTING DOUBLE HAND-HOLE
-  PROPOSED CAT 6 CABLE
-  PROPOSED RADIO
-  PROPOSED CONDUIT
-  PROPOSED CONTROLLER

IL 1

MOUNT RADION ON UPRIGHT
BETWEEN TOP AND BOTTOM ARMS
AIM TOWARD PLUM ST.

MOUNT RADION ON 15' ALUMINUM
MAST ARM EXTENSION UPRIGHT
AIM TOWARD CHURCH ST.

IL 1/IL 14

PROP. FULL-ACTUATED CONTROLLER
IN EXISTING CABINET, 1 EA.

DRILL EXISTING HAND-HOLE, 1 EA.

PROP. UNDERGROUND CONDUIT
PVC 2" DIA, 40'

DRILL EXISTING HAND-HOLE, 1 EA.

INTERSECTION QUANTITIES

| CODE NUMBER | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY |
|-------------|--|------|----------------|
| 80300100 | LOCATING UNDERGROUND CABLE | FOOT | 40 |
| 81028350 | UNDERGROUND CONDUIT, PVC, 2" DIA. | FOOT | 40 |
| 87900200 | DRILL EXISTING HANDHOLE | EACH | 2 |
| 89502210 | MODIFY EXISTING CONTROLLER CABINET | EACH | 1 |
| X0325810 | WIRELESS ETHERNET RADIO | EACH | 2 |
| X0325922 | CELLULAR MODEM | EACH | 1 |
| X8710103 | ETHERNET SWITCH | EACH | 1 |
| X1400127 | CAT. 6 ETHERNET CABLE | FOOT | 300 |
| X8570215 | FULL-ACTUATED CONTROLLER IN EXISTING CABINET | EACH | 1 |

MODEL: BMDRENAME
FILE NAME: SPEL5

| | | |
|----------------------|------------|-----------|
| USER NAME = SUSERS | DESIGNED - | REVISED - |
| PLOT SCALE = SSCALES | DRAWN - | REVISED - |
| PLOT DATE = SDATES | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 1/IL 14/OAK ST.

REV. - MS

SCALE: 1"=20'

SHEET 4

OF 8 SHEETS, STA.

TO STA.

| | | | | |
|------------------------|----------------------------|-----------------|--------------------|----------------|
| F.A.P. RTE. 332 | SECTION (3X,4-28.3)TS-5 | COUNTY WHITE | TOTAL SHEETS 13 | SHEET NO. 8 |
| CONTRACT NO. 78984 | | | | |
| ILLINOIS FLEAD PROJECT | | | | |

NOTES:

- 1 CONTRACTOR SHALL VERIFY PROPER RADIO PLACEMENT PRIOR TO INSTALLATION.
- 2 CONTRACTOR SHALL USE EXISTING CONDUIT TO RUN CAT 6 CABLE UNLESS OTHERWISE NOTED.
- 3 EXTENSION POLE SHALL BE INCLUDED IN THE COST OF WIRELESS ETHERNET RADIO.

INTERSECTION QUANTITIES

| CODE NUMBER | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY |
|-------------|------------------------------------|------|----------------|
| 89502210 | MODIFY EXISTING CONTROLLER CABINET | EACH | 1 |
| X0325810 | WIRELESS ETHERNET RADIO | EACH | 2 |
| X8710103 | ETHERNET SWITCH | EACH | 1 |
| X1400127 | CAT. 6 ETHERNET CABLE | FOOT | 300 |

LEGEND:

- EXISTING HAND-HOLE
- EXISTING CONTROLLER CABINET
- EXISTING TRAFFIC SIGNAL COMINATION MAST/ARM
- EXISTING HEAD WITH BACKPLATE
- EXISTING CONDUIT
- EXISTING DOUBLE HAND-HOLE
- PROPOSED CAT 6 CABLE
- PROPOSED RADIO

MOUNT RADIO ON 15' ALUMINUM MAST ARM EXTENSION UPRIGHT
AIM TOWARD OAK ST.

MOUNT RADIO BETWEEN STREET SIGN AND UPRIGHT
AIM TOWARD WALNUT ST.

IL 1/IL 14

CHURCH ST.

MODEL: MODELNAMES
FILE NAME: \$FILES

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 1/IL 14/CHURCH ST.

REV. - MS

SCALE: 1"=20' SHEET 5 OF 8 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|-----------------|--------|--------------|-----------|
| 332 | (3X,4-2B.3)TS-5 | WHITE | 13 | 9 |
| CONTRACT NO. 78984 | | | | |
| ILLINOIS FED AID PROJECT | | | | |

NOTES:

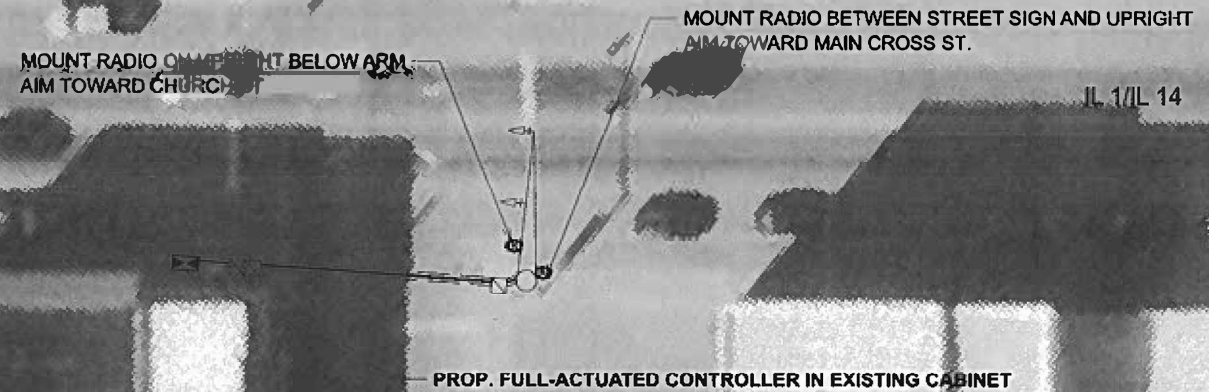
- 1 CONTRACTOR SHALL VERIFY PROPER RADIO PLACEMENT PRIOR TO INSTALLATION.
- 2 CONTRACTOR SHALL USE EXISTING CONDUIT TO RUN CAT 6 CABLE UNLESS OTHERWISE NOTED.

INTERSECTION QUANTITIES

| CODE NUMBER | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY |
|-------------|--|------|----------------|
| 89502210 | MODIFY EXISTING CONTROLLER CABINET | EACH | 1 |
| X0325810 | WIRELESS ETHERNET RADIO | EACH | 2 |
| X8710103 | ETHERNET SWITCH | EACH | 1 |
| X1400127 | CAT. 6 ETHERNET CABLE | FOOT | 250 |
| X8570215 | FULL-ACTUATED CONTROLLER IN EXISTING CABINET | EACH | 1 |

LEGEND:

- EXISTING HAND-HOLE
- EXISTING TRAFFIC SIGNAL COMINATION MAST/ARM
- EXISTING HEAD WITH BACKPLATE
- EXISTING CONDUIT
- EXISTING DOUBLE HAND-HOLE
- PROPOSED CAT 6 CABLE
- PROPOSED RADIO
- PROPOSED CONTROLLER



MODEL: SMOODEMAMES
FILE NAME: SFEELS

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 1/IL 14/WALNUT ST.

REV. - MS

SCALE: 1"=20' SHEET 6 OF 8 SHEETS STA. TO STA.

| F.A.P. RTE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-----------------|--------|--------------|-----------|
| 332 | (3X,4-2B,3)TS-5 | WHITE | 13 | 10 |
| CONTRACT NO. 78984 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |









NOTES:

- 1 CONTRACTOR SHALL VERIFY PROPER RADIO PLACEMENT PRIOR TO INSTALLATION.
- 2 CONTRACTOR SHALL USE EXISTING CONDUIT TO RUN CAT 6 CABLE UNLESS OTHERWISE NOTED.

INTERSECTION QUANTITIES

| CODE NUMBER | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY |
|-------------|------------------------------------|------|----------------|
| 89502210 | MODIFY EXISTING CONTROLLER CABINET | EACH | 1 |
| X0325810 | WIRELESS ETHERNET RADIO | EACH | 2 |
| X8710103 | ETHERNET SWITCH | EACH | 1 |
| X1400127 | CAT. 6 ETHERNET CABLE | FOOT | 250 |

LEGEND:

-  EXISTING HAND-HOLE
-  EXISTING CONTROLLER CABINET
-  EXISTING TRAFFIC SIGNAL COMINATION MAST/ARM
-  EXISTING HEAD WITH BACKPLATE
-  EXISTING CONDUIT
-  EXISTING DOUBLE HAND-HOLE
-  PROPOSED CAT 6 CABLE
-  PROPOSED RADIO

MAIN CROSS ST.
 MOUNT RADIO ON UPRIGHT AND BELOW ARM ATTACHMENT
 AIM TOWARD WALNUT ST.

MOUNT RADIO BETWEEN STREET SIGN AND UPRIGHT
 AIM TOWARD STALEY ST.

IL 1/L 14

MODEL: 89002210
 FILE NAME: 89002210

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 1/L 14/MAIN CROSS ST.

REV. - MS

SCALE: 1"=20' SHEET 7 OF 8 SHEETS STA. TO STA.

| | | | | |
|---------------------------|-------------------------|--------------|-----------------|--------------|
| F.A.P. RTE. 332 | SECTION (3X,4-2B.3)TS-5 | COUNTY WHITE | TOTAL SHEETS 13 | SHEET NO. 11 |
| CONTRACT NO. 78984 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

NOTES:

- | | |
|---|--|
| 1 | CONTRACTOR SHALL VERIFY PROPER RADIO PLACEMENT PRIOR TO INSTALLATION. |
| 2 | CONTRACTOR SHALL USE EXISTING CONDUIT TO RUN CAT 6 CABLE UNLESS OTHERWISE NOTED. |

INTERSECTION QUANTITIES

| CODE NUMBER | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY |
|-------------|--|------|----------------|
| 89502210 | MODIFY EXISTING CONTROLLER CABINET | EACH | 1 |
| X0325810 | WIRELESS ETHERNET RADIO | EACH | 1 |
| X8710103 | ETHERNET SWITCH | EACH | 1 |
| X1400127 | CAT. 6 ETHERNET CABLE | FOOT | 175 |
| X8570215 | FULL-ACTUATED CONTROLLER IN EXISTING CABINET | EACH | 1 |

LEGEND:

- EXISTING HAND-HOLE
- EXISTING TRAFFIC SIGNAL COMINATION MAST/ARM
- EXISTING HEAD WITH BACKPLATE
- EXISTING CONDUIT
- EXISTING DOUBLE HAND-HOLE
- PROPOSED CAT 6 CABLE
- PROPOSED RADIO
- PROPOSED CONTROLLER

PROP. FULL-ACTUATED CONTROLLER IN EXISTING CABINET

IL 1/IL 14

STALEY ST.

INSTALL RADIO MOUNTED BETWEEN STREET SIGN AND UPRIGHT AIM TOWARDS MAIN CROSS ST.



MODEL: SMOODELNAME
FILE NAME: SFILES

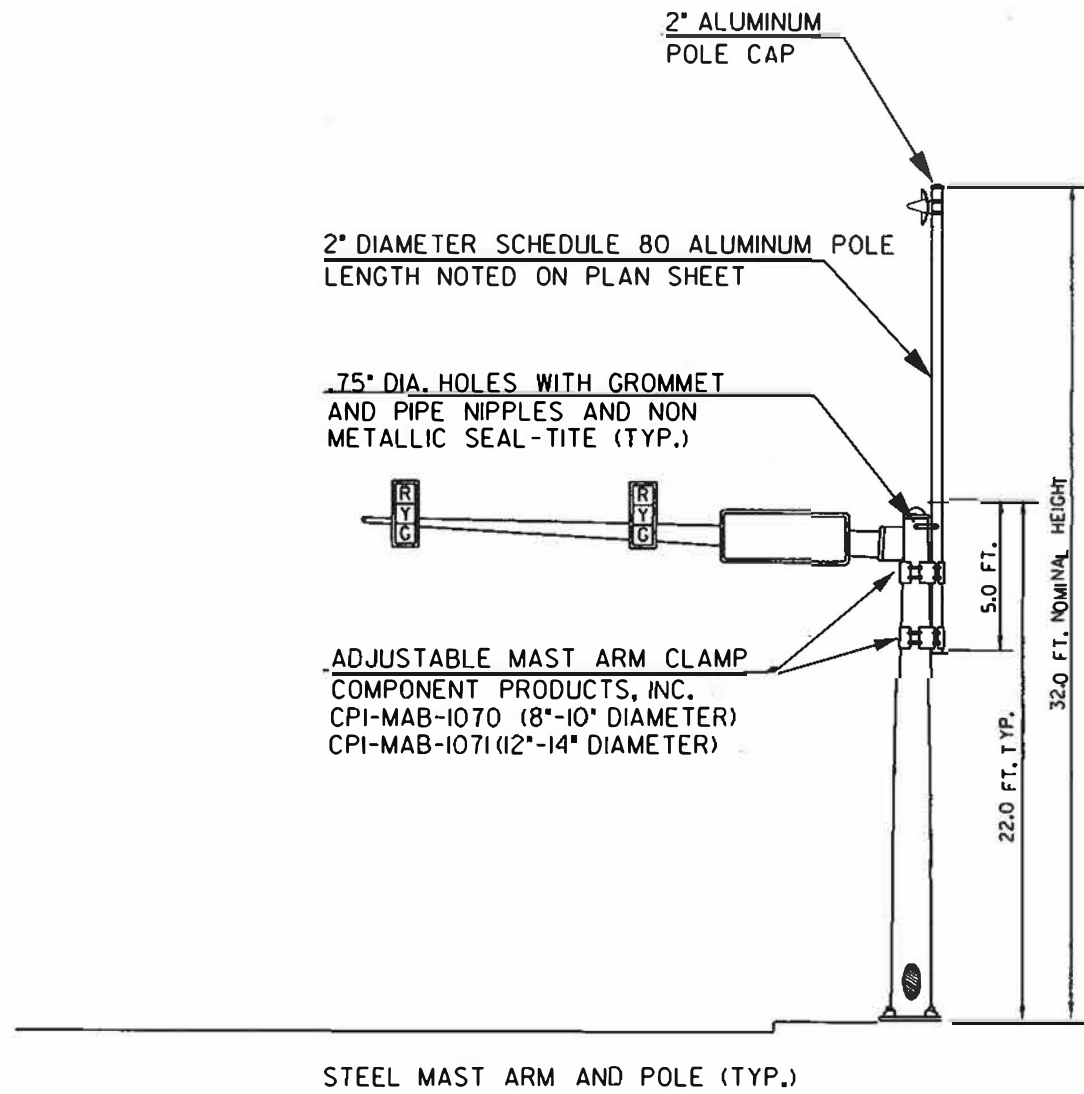
| | | |
|---------------------|------------|-----------|
| USER NAME = SUSERS | DESIGNED - | REVISED - |
| PLOT SCALE = SCALES | DRAWN - | REVISED - |
| PLOT DATE = DATES | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|---------------|---------------------|--------------|-----------|
| SCALE: 1"=20' | SHEET 8 OF 8 SHEETS | STA. TO STA. | REV. - MS |
|---------------|---------------------|--------------|-----------|

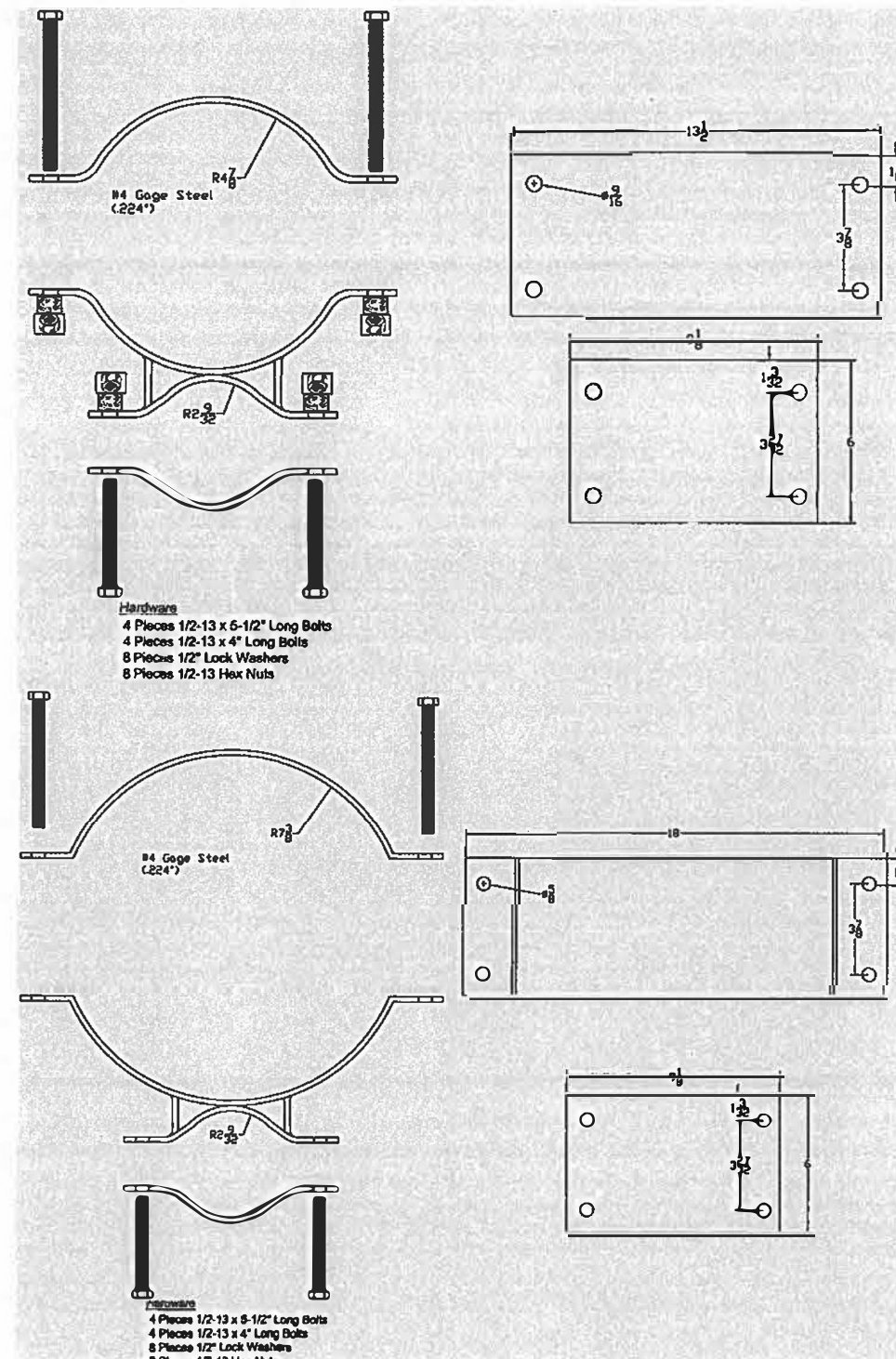
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|--------------------|-----------------------------|-----------------|--------------------|-----------------|--------------------|
| F.A.P. RTE. 332 | SECTION (3X,4-2B,3,TS-5) | COUNTY WHITE | TOTAL SHEETS 13 | SHEET NO. 12 | CONTRACT NO. 78984 |
|--------------------|-----------------------------|-----------------|--------------------|-----------------|--------------------|

ILLINOIS FED AID PROJECT



LOCATIONS:
IL 1/FAIRGROUND RD.
IL 1/PLUM ST.
IL 1/IL 14/CHURCH ST.

NOTE: ALL WORK ASSOCIATED WITH MAST ARM EXTENSION SHALL BE INCLUDED IN THE COST OF WIRELESS ETHERNET RADIO.



MODEL: MAST_ARM_EXT
FILE NAME: 78904

| | | |
|-----------------------|------------|-----------|
| USER NAME = SUSERS | DESIGNED = | REVISED = |
| PLOT SCALE = \$SCALES | DRAWN = | REVISED = |
| PLOT DATE = \$DATE\$ | CHECKED = | REVISED = |
| | DATE = | REVISED = |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL: MAST ARM EXTENSION

SCALE: 1/4" = 1'-0"

SHEET 1 OF 1 SHEETS STA.

TO STA.

| | | | | |
|--------------------|-------------------------|--------------|---------------------------|--------------|
| F.A.P. RTE. 332 | SECTION (3X,4-2B.3)TS-5 | COUNTY WHITE | TOTAL SHEETS 13 | SHEET NO. 13 |
| CONTRACT NO. 78904 | | | ILLINOIS FED. AID PROJECT | |