06-13-2025 LETTING ITEM 206

FOR INDEX OF SHEETS, SEE SHEET NO. 2

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STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

VARIOUS LOCATIONS IN DISTRICT 1
SECTION: 2024–1005–TS

TROMBONE MAST ARM REPLACEMENT COOK COUNTY

C-91-029-25

FOR LOCATION MAP SEE SHEET NO. 3

0 100' 200' 300' — 1" = 100'
0 50' 100' — 1" = 50'
0 50' 100' — 1" = 40'
0 50' 100' — 1" = 30'
0 50' 100' — 1" = 20'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: IOVAN PLASCENCIA (847) 705–4504 PROJECT MANAGER: NICHOLAS BUTLER (847) 705–4420

CONTRACT NO. 62X42

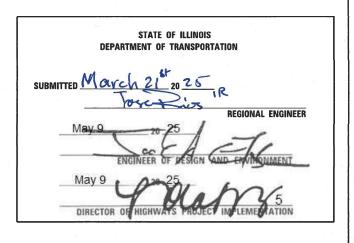
F.A. RTE. SECTION COUNTY TOTAL SHEETS NO.

VAR 2024-1005-TS COOK 35 1

LILINOIS CONTRACT NO. 62X42

D-91-027-25





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV-SEP

INDEX OF SHEETS

SHT NO. DESCRIPTION COVER SHEET INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES LOCATION MAP 4-9 SUMMARY OF QUANTITIES DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) 10-16 DISTRICT 1 MAST ARM MOUNTED STREET NAME SIGNS (TS-02) 17 INTERSECTION NAME SHT NO. TS NO. SOUTH PARK AVE / DR MARTIN LUTHER KING DR AT 154TH ST 18-21 22-25 US RTE 6 (159TH ST) AT PARK AVE 26-29 US RTE 6 (159TH ST) AT RING RD 30-33 4495 IL RTE 83 (TORRENCE AVE) AT PULASKI RD / 154TH ST SHT NO. **DESCRIPTION** 34 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10) 35 ARTERIAL ROAD INFORMATION SIGN (TC-22)

HIGHWAY STANDARDS

TITLE

CTD NO

886001-01

| <u>STD. NO.</u> | IIILE |
|-----------------|--------------------------------------------------------------------|
| 000001-08 | STANDARD SYMBOLS, ABREVIATIONS AND PATTERNS |
| 001001-02 | AREAS OF REINFORCEMENT BARS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 701001-02 | OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' AWAY |
| 701006-05 | OFF-ROAD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE |
| 701101-05 | OFF-ROAD OPERATIONS, MULITLANE, 15' TO 24" FROM PAVEMENT EDGE |
| 701106-02 | OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701601-09 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN |
| 701606-10 | URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN |
| 701701-10 | URBAN LANE CLOSURE MULTILANE INTERSECTION |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-10 | TRAFFIC CONTROL DEVICES |
| 720001-01 | SIGN PANEL MOUNTING DETAIL |
| 814001-03 | HANDHOLES |
| 814006-03 | DOUBLE HANDHOLES |
| 862001-01 | UNINTERRUPTABLE POWER SUPPLY |
| 873001-02 | TRAFFIC SIGNAL GROUNDING & BONDING |
| 877001-08 | STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55' |
| 878001-11 | CONCRETE FOUNDATION DETAILS |
| 880006-01 | TRAFFIC SIGNAL MOUNTING DETAILS |
| | |

DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS. 48 HOUR NOTIFICATION IS REQUIRED.

THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISCTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.

THE EXACT LOCATION OF ALL UTILITES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).

IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR UNDERGROUND AND OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE AREA ENGINEER, THE RESIDENT ENGINEER AND ANY IMPACTED UTILITY COMPANY OF THE CONFLICT, AND SHALL COORDINATE AND RESOLVE THE ISSUE PRIOIR TO ORDERING MATERIALS, AND PRIOR TO POURING FOUNDATIONS.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

PARTIAL PAYMENT AS DESCRIBED IN ARTICLE 109.07(b) OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED FOR ITEMS INCLUDED IN THIS CONTRACT.

LOCATIONS WITH PEDESTRIAN EQUIPMENT HAVE BEEN DESIGNED TO BE ADA COMPLIANT. ANY DEVIATION FROM THE PLANS FOR TRAFFIC SIGNAL MAST ARM/POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY EXISTING SIGNS FROM THE MAST ARM ASSEMBLIES AND POSTS THAT ARE TO BE REMOVED AND TRANSFER THEM TO THE PROPOSED MAST ARM ASSEMBLIES AND POSTS PER THE STANDARD SPECIFICATIONS.

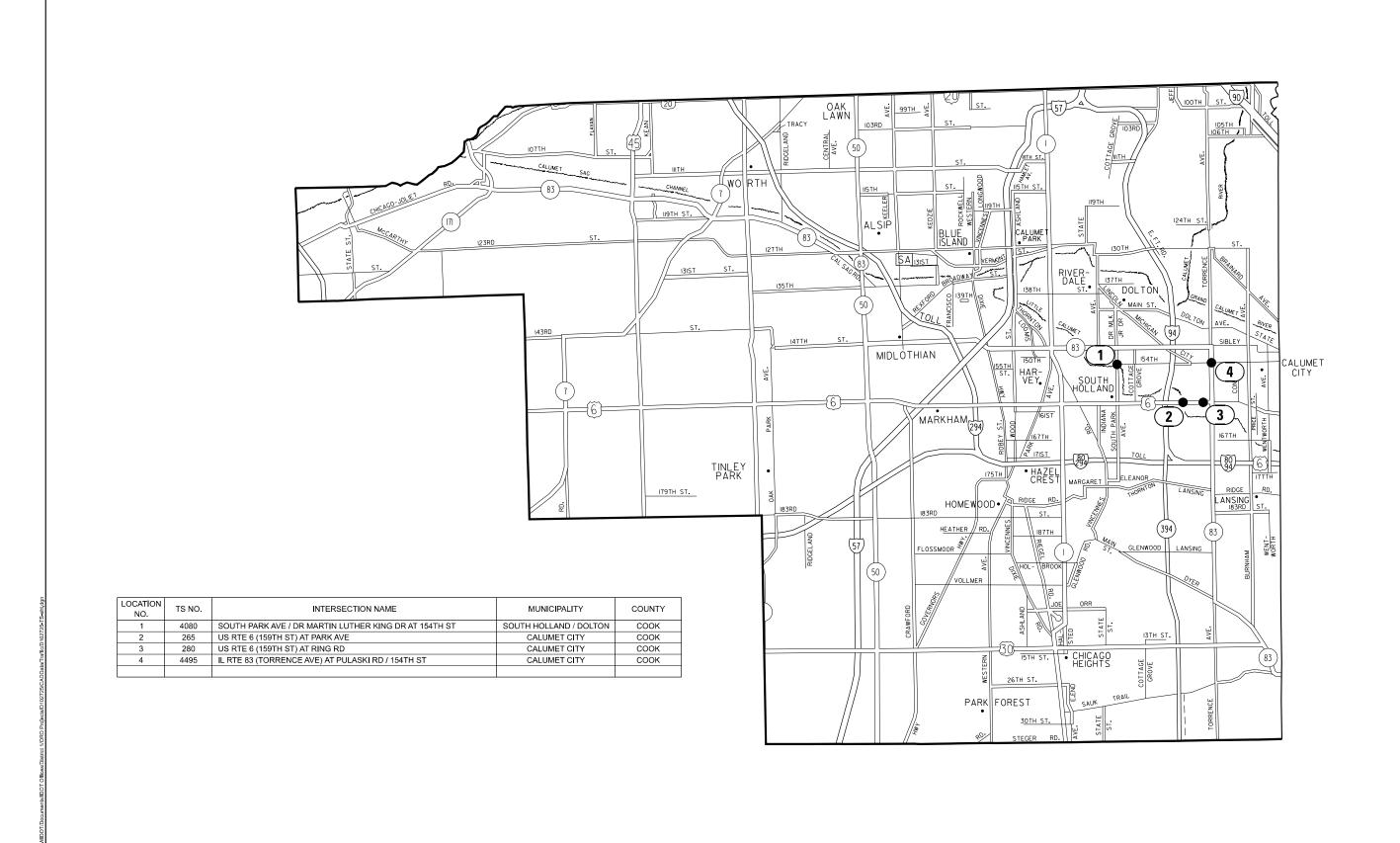
| USER NAME = Iovan Plascencia | DESIGNED | - | IP | REVISED - | |
|-------------------------------|----------|---|-----------|-----------|--|
| | DRAWN | - | IP | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED | - | NB | REVISED - | |
| PLOT DATE = 3/21/2025 | DATE | - | 3/15/2025 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX

SCALE:

| | | | | | | F.A. RTE | SEC. | TION | | COUNTY | TOTAL SHEETS | SHEET NO. | |
|----|-----------|---------|--------|---------|---------------|-------------|--------|----------|----------|-----------|-----------------|--------------|--|
| UF | SHEETS, F | HIGHWAY | STANL | JAKUS 8 | GENERAL NOTES | VAR | 2024-1 | 005-TS | | соок | 35 | 2 | |
| | | | | | | | | | | CONTRAC | T NO. 622 | X42 | |
| | SHEET | OF | SHEETS | STA. | TO STA. | | | ILLINOIS | FED. All | D PROJECT | | | |



FILE NAME: pw://ildot-pv

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | | | | CONSTRUC | CTION CODE | | | |
|-----|----------|------------------------------------------------------|--------|----------|---------------------------|----------|--------------|------------|----------|-------------|-----------|
| | | | | | 100% STATE COOK COUNTY | | | | | | |
| | CODE | ITEM | LINUT | TOTAL | | | | SIGNALS | | | |
| | NO. | ITEM | UNIT | QUANTITY | | | | 021 BAN | | | |
| - | | | | | | | | | | | |
| L | | | 1 | | | | | | | - | |
| | 20101700 | SUPPLEMENTAL WATERING | UNIT | 1 | 1 | | | | | | |
| | | | | | | | | | | | |
| L | 24404045 | TOPOGUL FURNISULAND PLACE (III | 00.10 | | | | | | | 1 | |
| | 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 4 | 4 | | | | | | |
| | | | | | | | | | | | |
| | 25200110 | SODDING, SALT TOLERANT | SQ YD | 4 | 4 | | | | | | |
| L | | | | | | | | | | | |
| Ļ | | | | | | | | | | | |
| | 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQFT | 23.5 | 23.5 | | | | | | |
| | | | 1 | | | | | | | | |
| ŀ | | | | | | | | | | + | |
| ļ | 44000600 | SIDEWALK REMOVAL | SQ FT | 44 | 44 | | | | | | |
| | | | | | | | | | | | |
| * | 66900200 | NON-SPECIAL WASTE DISPOSAL | CU YD | 100 | 100 | | | | | | |
| * | 00000200 | 10.10.20.20.10.20.10.10.20.10 | 00 12 | 1 | | | | 1 | 1 | | |
| | | | | | | | | | | | |
| * | 66900530 | SOIL DISPOSAL ANALYSIS | EACH | 4 | 4 | | | | | | |
| | | | | | | | | | | | |
| L | | | | 1 | | | | | 1 | | |
| * | 66901001 | REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN | LSUM | 1 | 1 | | | | | | |
| | | | | | | | | | | | |
| * | 66901003 | REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT | LSUM | 1 | 1 | | | | | | |
| * | 00901003 | REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT | LSOW | ' | ' | | | | | | |
| | | | | | | | | | | | |
| * | 66901006 | REGULATED SUBSTANCES MONITORING | CAL DA | 16 | 16 | | | | | | |
| L | | | | | | | | | | | |
| | | | | | | | | | | | |
| | 67100100 | MOBILIZATION | LSUM | 1 | 1 | | | | | | |
| ĺ | | | | | | | | | | | |
| L | 7040000 | | 1 | 1 | | | | | | | |
| Ļ | 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | LSUM | 1 | 1 | | | | | | |
| | | | | | | | | | | | |
| Ī | 70102625 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606 | LSUM | 1 | 1 | | | | İ | | |
| L | | | 1 | | | | | | | | - |
| | | | 1 | | | | | | | 1 | |
| | 70102630 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601 | LSUM | 1 | 1 | | | | | | |
| İ | | | 1 | | | | | | İ | | |
| | | A/ ITENA | | | <u> </u> | <u> </u> | | | | 1 | |
| * 5 | PECIALT | | | | | 1 | | | IFA (| | TOTAL (CL |
| | | USER NAME = Iovan.Plascencia DESIGNED - IP REVISED - | | | | | SUMMARY OF O | LIANTITIES | F.A. SEC | TION COUNTY | TOTAL SH |

SCALE:

| | | | | | | CONSTRUCTION CODE | | |
|----------|-----------------------------------------------------|-------|----------|---------------------------|----|---------------------|------------------|-------------|
| | | | | 100% STATE COOK COUNTY | | | | |
| CODE | ITEM | UNIT | TOTAL | | | TRAFFIC SIGNALS | | |
| NO. | TI CIVI | ONIT | QUANTITY | | | 0021 URBAN | | |
| | | | | | | | | |
| | | | | | | | | |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | LSUM | 1 | 1 | | | | |
| | | | | | | | | |
| 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | L SUM | 1 | 1 | | | | |
| 70102040 | TRAFFIC CONTROLAND FROTECTION, STANDARD 701001 | L 30M | ' | ' | | | | |
| | | | | | | | | |
| 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 37.5 | 37.5 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 72000200 | SIGN PANEL - TYPE 2 | SQ FT | 108.75 | 108.75 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 81028200 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 527 | 527 | | | | |
| | | | | | | | | |
| 81028220 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 411 | 411 | | | | |
| 0.000000 | | 1.55. | | | | | | |
| | | | | | | | | |
| 81028240 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 868 | 868 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 81400100 | HANDHOLE | EACH | 2 | 2 | | | | |
| | | | | | | | | |
| 81400200 | HEAVY-DUTY HANDHOLE | EACH | 1 | 1 | | | | |
| 81400200 | NEAVI-DOTT NANDHOLE | EACH | ' | · · | | | | |
| | | | | | | | | |
| 81400300 | DOUBLE HANDHOLE | EACH | 2 | 2 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 85000200 | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 4 | 4 | | | | |
| | | | | | | | | |
| 05=00000 | FULL ACTUATED CONTROLLED AND THEFT ALCOHOLIST | | | | | | | |
| 85700200 | FULL-ACTUATED CONTROLLER AND TYPE IV CABINET | EACH | 1 | 1 | | | | |
| | | | | | | | | |
| 86400100 | TRANSCEIVER - FIBER OPTIC | EACH | 2 | 2 | | | | |
| | | 2.311 | <u> </u> | _ | | | | |
| | | | | | | | | |
| 87301215 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 1,380 | 1,380 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| PECIAL | TY ITEM | | | | | | | |
| | USER NAME = Iovan.Plascencia DESIGNED - IP | | STATE | OF ILLINOIS | SU | MMARY OF QUANTITIES | F.A. SECTION | COUNTY TOT, |
| | PLOT SCALE = 100.0000 '/ in. CHECKED - NB REVISED - | | | F TRANSPORTATION | | (SHEET 2 OF 6) | VAR 2024-1005-TS | COOK (3 |

 DRAWN
 IP

 CHECKED
 NB

 DATE
 3/15/2025
 REVISED -PLOT SCALE = 100.0000 '/ in. REVISED -PLOT DATE = 3/21/2025 REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE:

SUMMARY OF QUANTITIES (SHEET 2 OF 6) CONTRACT NO. 62X42 SHEET OF SHEETS STA. TO STA.

| | | | | | | CONSTRUC | CTION CODE | |
|-------------|--------------------------------------------------------------------|--------|-------------------|-------------|----------|----------|------------|--|
| | | | | 100% STATE | | | | |
| | | | | COOK COUNTY | | TRAFFIC | SSIGNALS | |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | | 0021 | | | |
| | | | | | | UR | BAN | |
| | | | | | | | | |
| 87301225 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 3,110 | 3,110 | | | | |
| | | | | | | | | |
| 87301245 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 8,230 | 8,230 | | | | |
| | | | | | | | | |
| 87301255 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 2,410 | 2,410 | | | | |
| 07001200 | | 1001 | 2,110 | 2,110 | | | | |
| | | | | | | | | |
| 87301305 | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 4,500 | 4,500 | | | | |
| | | | | | | | | |
| 87301900 | ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 1,585 | 1,585 | | | | |
| | | | | | | | | |
| 87501200 | TRAFFIC SIGNAL POST, 16 FT. | EACH | 8 | 8 | | | | |
| 07001200 | | 271011 | | | | | | |
| | | | | | | | | |
| 87700180 | STEEL MAST ARM ASSEMBLY AND POLE, 28 FT. | EACH | 2 | 2 | | | | |
| | | | | | | | | |
| 87700190 | STEEL MAST ARM ASSEMBLY AND POLE, 30 FT. | EACH | 1 | 1 | | | | |
| | | | | | | | | |
| 87700210 | STEEL MAST ARM ASSEMBLY AND POLE, 34 FT. | EACH | 1 | 1 | | | | |
| 07700210 | OTELL MACTARM ACCUMENTARY TOLL, 34 TT. | LAGIT | ' | <u>'</u> | | | | |
| | | | | | | | | |
| 87700220 | STEEL MAST ARM ASSEMBLY AND POLE, 36 FT. | EACH | 3 | 3 | | | | |
| | | | | | | | | |
| 87700250 | STEEL MAST ARM ASSEMBLY AND POLE, 42 FT. | EACH | 2 | 2 | | | | |
| | | | | | | | | |
| 87700260 | STEEL MAST ARM ASSEMBLY AND POLE, 44 FT. | EACH | 1 | 1 | | | | |
| 550200 | | | · | • | | | | |
| | | 1 | | | | | | |
| 87700280 | STEEL MAST ARM ASSEMBLY AND POLE, 48 FT. | EACH | 2 | 2 | | | | |
| | | | | | | | | |
| 87700290 | STEEL MAST ARM ASSEMBLY AND POLE, 50 FT. | EACH | 2 | 2 | | | | |
| | | | | | | | | |
| | <u> </u> | 1 | | | <u>J</u> | <u> </u> | 1 | |
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MODEL: Detault

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE:

A. SECTION COUNTY TOTAL SHEETS NO.

(AR 2024-1005-TS COOK 35 6

CONTRACT NO. 62X42

(ILLINOIS | FED. AID PROJECT

| | | | | | | CONSTRUC | CTION CODE | |
|----------|---------------------------------------------------------------------------|-------|----------|---------------------------|--|-----------------|----------------|--------------|
| | | | | 100% STATE COOK COUNTY | | | | |
| CODE | ITEM | UNIT | TOTAL | | | | SIGNALS | |
| NO. | ITEM | UNIT | QUANTITY | 0021 URBAN | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 87800100 | CONCRETE FOUNDATION, TYPE A | FOOT | 24 | 24 | | | | |
| | | | | | | | | |
| 87800400 | CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER | FOOT | 87.5 | 87.5 | | | | |
| | | | | | | | | |
| 87800415 | CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 95 | 95 | | | | |
| | | | | | | | | |
| 87900200 | DRILL EXISTING HANDHOLE | EACH | 31 | 31 | | | | |
| | | | | | | | | |
| 88030020 | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 27 | 27 | | | | |
| | | | | | | | | |
| 88030050 | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 21 | 21 | | | | |
| | | | | | | | | |
| 88030100 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 8 | 8 | | | | |
| 88030110 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 7 | 7 | | | | |
| 00030110 | SIGNAL HEAD, EED, 14 AGE, 3-SECTION, WAST-ARM MOUNTED | LACIT | ' | , | | | | |
| 88102717 | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 6 | 6 | | | | |
| | | | | | | | | |
| 88200410 | TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 34 | 34 | | | | |
| | | | | | | | | |
| 88500100 | INDUCTIVE LOOP DETECTOR | EACH | 22 | 22 | | | | |
| | | | | | | | | |
| 88600100 | DETECTOR LOOP, TYPE I | FOOT | 246 | 246 | | | | |
| | | | | | | | | |
| 89501250 | RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 4 | 4 | | | | |
| | | | | | | | | |
| 89502300 | REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 7,730 | 7,730 | | | | |
| | | | | | | | | |
| | USER NAME = Iovan,Piascencia DESIGNED - IP REVISED - | | | | | OURSES AND OF O | IANTITIO FA. S | CTION COUNTY |

MODEL: Detault

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

| | | | | | | CONSTRUC | TION CODE | | |
|----------|-----------------------------------------------------------------|--------|----------|---------------------------|----------|----------------|-----------|---------|-----------------|
| | | | | 100% STATE COOK COUNTY | | | | | |
| CODE | ITEM | | TOTAL | | | TRAFFIC | | | • |
| NO. | ITEM | UNIT | QUANTITY | 0021 URBAN | | | | | |
| | | | | | | ON | | | |
| | | | | | | | | | |
| 89502350 | REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT | FOOT | 470 | 470 | | | | | |
| | | İ | | | | | | | |
| 00500075 | | | <u> </u> | | | | | | |
| 89502375 | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 4 | 4 | | | | | |
| | | | | | | | | | |
| 89502376 | REBUILD EXISTING HANDHOLE | EACH | 2 | 2 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 89502380 | REMOVE EXISTING HANDHOLE | EACH | 10 | 10 | | | | | |
| | | | | | | | | | |
| 89502385 | REMOVE EXISTING CONCRETE FOUNDATION | EACH | 28 | 28 | | | | | |
| 09302303 | REMOVE EXISTING CONCRETE POUNDATION | LACH | 20 | 20 | | | | | |
| | | | | | | | | | |
| X0324085 | EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C | FOOT | 1,705 | 1,705 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| X1400367 | PEDESTRIAN SIGNAL POST, 10 FT. | EACH | 2 | 2 | | | | | |
| | | | | | | | | | |
| X6700407 | ENGINEER'S FIELD OFFICE, TYPE A (D1) | CAL MO | 12 | 12 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| X7200061 | TEMPORARY INFORMATION SIGNING | SQ FT | 205.6 | 205.6 | | | | | |
| | | | | | | | | | |
| | | | _ | _ | | | | | |
| X8570226 | FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL) | EACH | 2 | 2 | | | | | |
| | | | | | | | | | |
| X8620250 | UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL) | EACH | 3 | 3 | | | | | |
| | | 1 | | | | | | | |
| | | 1 | | | | | | | |
| X8760200 | ACCESSIBLE PEDESTRIAN SIGNALS | EACH | 6 | 6 | | | | | |
| | | | | | | | | | |
| X8780012 | CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER | FOOT | 8 | 8 | | | | | |
| 70700012 | GONGLET GONDATION, THEATE-MOTIDIANIETEN | 1 301 | | 0 | | | | | |
| | | | | | | | | | |
| X8809005 | LED SIGNAL FACE, LENS COVER | EACH | 63 | 63 | | | | | |
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

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| | | | | , | | 100% STATE COOK COUNTY | | | | | |
| CODE | | ITEM | | UNIT | TOTAL | | | | SIGNALS | | |
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| X8891009 | VIDEO VEHICLE DETECTION SYSTEM, SI | NGLE APPROACH | | EACH | 2 | 2 | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Z0033044 | RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM L | EVEL 1 | | EACH | 4 | 4 | | | | | |
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| | USER NAME = Iovan.Plascencia | DESIGNED - IP DRAWN - IP | REVISED - | | STATE | OF ILLINOIS | | SUMMARY OF O | | F.A. SEC VAR 2024-1 | OTILLI |
| | PLOT SCALE = 100.0000 ' / in. PLOT DATE = 3/21/2025 | CHECKED - NB DATE - 3/15/2025 | REVISED - REVISED - | D | EPARTMENT O | F TRANSPORTATION | SCALE: | (SHEET 6 (| | | CONTRACT NO. 6 |
| | FLOT DATE = 3/21/2025 | DATE = 3/15/2025 | UTAIDED - | | | | SUALE: | JONEEL OF SHEET | SS STA. TO STA. | | ILLINOIS FED. AID PROJECT |

TRAFFIC SIGNAL LEGEND (NOT TO SCALE)

| <u>TEM</u> | <u>EXISTING</u> | PROPOSED | <u>ITEM</u> | <u>EXISTING</u> | PROPOSED | <u>ITEM</u> | EXISTING | PROPOSED |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------|---------------------|---------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| ONTROLLER CABINET | | | HANDHOLE -SQUARE -ROUND | | | SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD | | R R Y |
| OMMUNICATION CABINET | ECC | cc | HEAVY DUTY HANDHOLE | | | | | Y |
| ASTER CONTROLLER | EMC | MC | -SQUARE -ROUND | H | н | | F | ∢ G ∢ G P |
| ASTER MASTER CONTROLLER | EMMC | ммс | DOUBLE HANDHOLE | | | SIGNAL HEAD WITH BACKPLATE | | R R R |
| NINTERRUPTABLE POWER SUPPLY | 4 | $oldsymbol{f}$ | JUNCTION BOX | | 0 | -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE | | Y Y G G |
| ERVICE INSTALLATION P) POLE MOUNTED | P | - ■ -P | RAILROAD CANTILEVER MAST ARM | X OX X X | X QX X X | | | 4Y 4G 4G 4G 4G |
| ERVICE INSTALLATION | | | RAILROAD FLASHING SIGNAL | ∑⊖ ∑ | X◆X | | P RB | P RB |
| G) GROUND MOUNTED GM) GROUND MOUNTED METERED | $\boxtimes^{G}\boxtimes^{GM}$ | ⊠ ^G ⊠ ^{GM} | RAILROAD CROSSING GATE | ∑0 ∑> | X•X- | PEDESTRIAN SIGNAL HEAD | (| * |
| ELEPHONE CONNECTION | ET | T | RAILROAD CROSSBUCK | ★ | * _ | AT RAILROAD INTERSECTIONS | | <u>*</u> |
| TEEL MAST ARM ASSEMBLY AND POLE | 0 | •—— | RAILROAD CONTROLLER CABINET | | ≻ ∢ | PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER | © C | ₩ C 1 ⁄ D |
| LUMINUM MAST ARM ASSEMBLY AND POLE | | | UNDERGROUND CONDUIT (UC), GALVANIZED STEEL | | | | | |
| TEEL COMBINATION MAST ARM SSEMBLY AND POLE WITH LUMINAIRE | o ` ¤— | •* | TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE | | | ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN" | | |
| IGNAL POST BM) BARREL MOUNTED - TEMPORARY | 0 | ● ● BM | SYSTEM ITEM | S | SP | NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. | | |
| | | | INTERSECTION ITEM | I | ĮΡ | ALL DETECTOR LOOP CABLE TO BE SHIELDED | | |
| OOD POLE | ⊗ . | • | REMOVE ITEM | | R | GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN) | 1#6 | ————————————————————————————————————— |
| EUY WIRE | > | >- | RELOCATE ITEM | | RL | ELECTRIC CABLE IN CONDUIT, TRACER | | <u> </u> |
| IGNAL HEAD IGNAL HEAD WITH BACKPLATE | -{> +{> | → | ABANDON ITEM | | Α | NO. 14 1/C | , | |
| | -⊳ ^P +⊳ ^P | → P + → P | CONTROLLER CABINET AND FOUNDATION TO BE REMOVED | | RCF | COAXIAL CABLE | <u> </u> | <u> </u> |
| SIGNAL HEAD OPTICALLY PROGRAMMED | | | MAST ARM POLE AND | | RMF | VENDOR CABLE | | |
| FLASHER INSTALLATION (FS) SOLAR POWERED | od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS od> FS o | F FS | FOUNDATION TO BE REMOVED SIGNAL POST AND | | ppr. | COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED | | ——6#18 —— |
| PEDESTRIAN SIGNAL HEAD | -0 | | FOUNDATION TO BE REMOVED DETECTOR LOOP, TYPE I | | RPF □ | FIBER OPTIC CABLE | — | —(12F)— |
| PEDESTRIAN PUSH BUTTON | | • | | | | -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F | , — | |
| (APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON | ⊚ ⊚ APS | | PREFORMED DETECTOR LOOP | P P | P P | -NO. 62.5/125, MM12F SM24F | | |
| RADAR DETECTION SENSOR | R | R • | SAMPLING (SYSTEM) DETECTOR | s s | s s | | 36F | |
| IDEO DETECTION CAMERA | (V) | v • | INTERSECTION AND SAMPLING (SYSTEM) DETECTOR | IS (S) | IS (IS) | ODOLINO DOD | 0 11 0 | |
| RADAR/VIDEO DETECTION ZONE | | | QUEUE AND SAMPLING (SYSTEM) DETECTOR | as as | as as | GROUND ROD -(C) CONTROLLER -(M) MAST ARM | $\begin{array}{cccc} \overset{\cdot}{\downarrow}^{C} & \overset{\cdot}{\downarrow}^{M} & \overset{\cdot}{\downarrow}^{P} & \overset{\cdot}{\downarrow}^{S} \\ \end{array}$ | T T T |
| AN, TILT, ZOOM (PTZ) CAMERA | PTZ | PTZ | WIRELESS DETECTOR SENSOR | ® | @ | -(P) POST -(S) SERVICE | | |
| MERGENCY VEHICLE LIGHT DETECTOR | \bowtie | ~ | WIRELESS ACCESS POINT | | - | | | |
| CONFIMATION BEACON | 0-() | •-(| | | _ | | | |
| NIRELESS INTERCONNECT | ○+ - | •++ - | | | | | | |
| VIRELESS INTERCONNECT RADIO REPEATER | ERR | RR | | | | | | |
| INCLESS INTERCONNECT RADIO REFERIER | LINY | IK. | | | | | | |
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

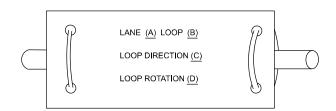
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| ST | MDAI | n T | RΛF | FIC | SIGNA | I DESIG | ON DETAILS | VAR | AR 2024-1005-TS | | соок | 35 | |
| 017 | TITE | \D | 11/71 | | OICINA | L DEGIC | IN DE IAJES | _ | TS-0 | 5 | | CONTRAC | T NO. |
| | SHEET | 1 | OF | 7 | SHEETS | STA | TO STA | | | ILL INIOIO | EED A | D DDO IECT | |

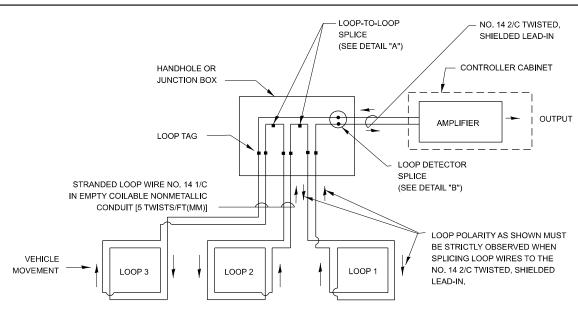
LOOP DETECTOR NOTES

- 1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- 2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- 3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- 4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- 6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE 7. PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

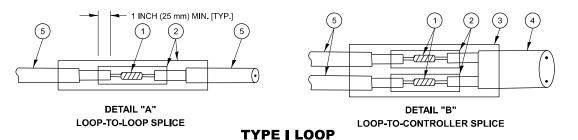


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

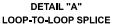


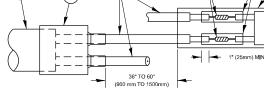
DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



36" TO 60"





PRE-FORMED LOOP

DETAIL "B" LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

- (1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- (2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- (3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.

- (5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
- (6) XL POLYOLEFIN 2 CONDUCTOR
- (7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

| USER NAME = Iovan Plascencia | DESIGNED - | REVISED - |
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| | DRAWN - | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/20/2025 | DATE - | REVISED - |

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

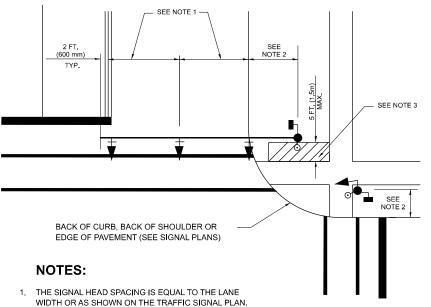
DISTRICT ONE VAR STANDARD TRAFFIC SIGNAL DESIGN DETAILS TS-05 SHEET 2 OF 7 SHEETS STA.

COUNTY 2024-1005-TS COOK 35 CONTRACT NO. 62X42

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

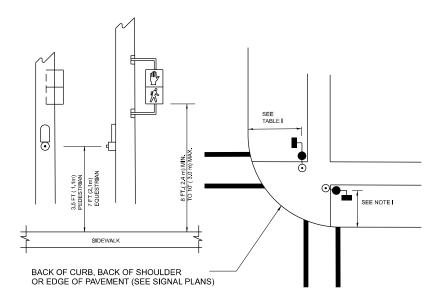
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND

PEDESTRIAN PUSHBUTTON DETECTORS.



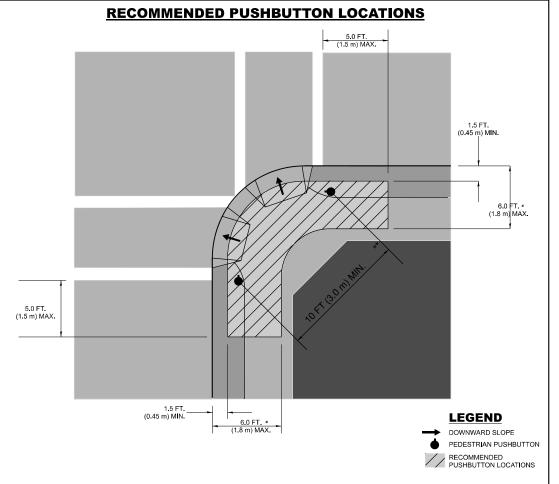
- 2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
- 4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
- 5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCO AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

- 1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- 2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
- 3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
- 4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR



- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

- PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
- THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
- 3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
- 4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
- 5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

| TRAFFIC SIGNAL EQUIPMENT | COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION) | SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION) |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| TRAFFIC SIGNAL MAST ARM POLE | 6 FT (1.8m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| TRAFFIC SIGNAL POST | 4 FT (1.2m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| PEDESTRIAN SIGNAL POST | 4 FT (1.2m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| PEDESTRIAN PUSHBUTTON POST | 4 FT (1.2m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| TEMPORARY WOOD POLE | 6 FT (1.8m) | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m) |
| CONTROLLER CABINET | 6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2 | SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3. |
| SERVICE INSTALLATION, GROUND MOUNT | 6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2 | SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3. |

NOTES:

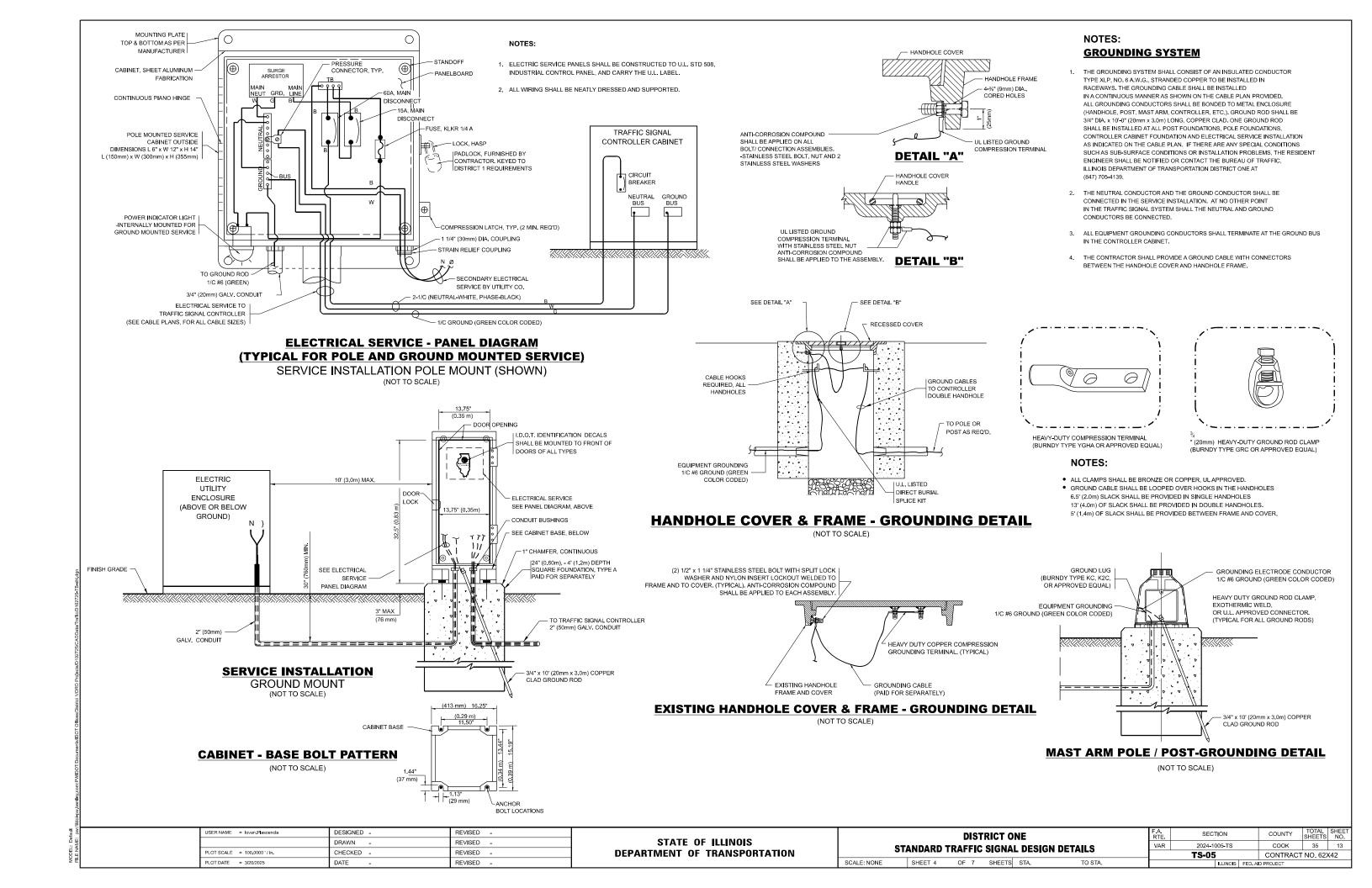
- 1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
- 2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION
- 3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
- 4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

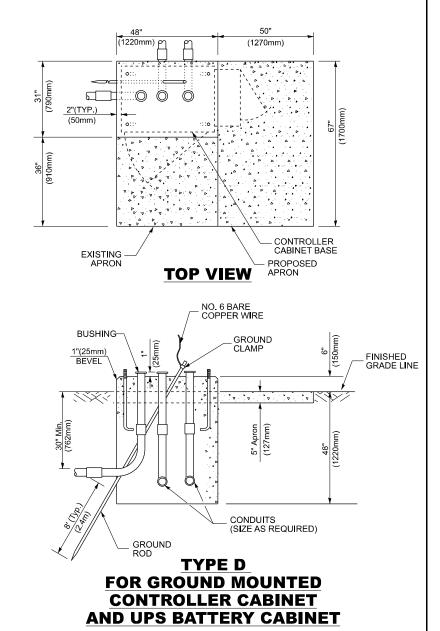
SCALE: NONE

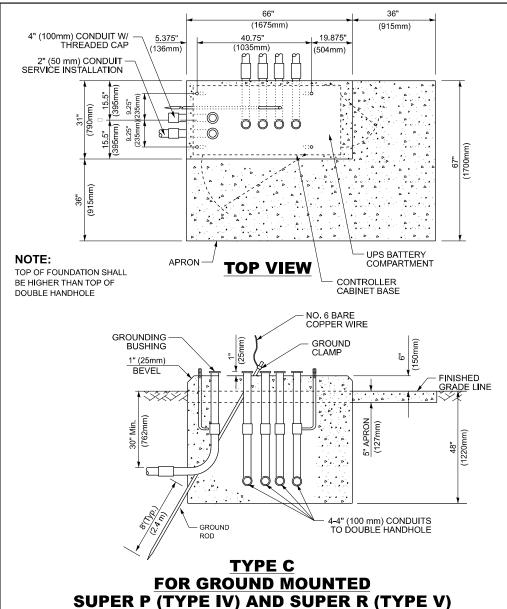
| USER NAME = Iovan Plascencia | DESIGNED - | REVISED - |
|-------------------------------|------------|-----------|
| | DRAWN - | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - |
| PLOT DATE = 3/20/2025 | DATE - | REVISED - |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

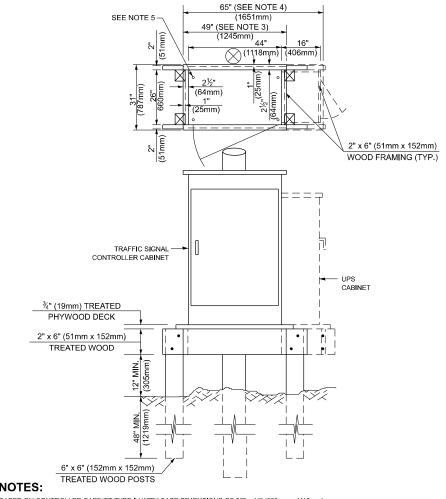
| DISTRICT ONE | | F.A. SECTION | | COUNTY | TOTAL SHEETS | SHEET NO. | | | | | |
|-----------------------------------------|---------|--------------|--------|------------------|-----------------|--------------|--------|-----------|-----------|--|--|
| STANDARD TRAFFIC SIGNAL DESIGN DETAILS | | | VAR | VAR 2024-1005-TS | | соок | 35 | 12 | | | |
| OTANDAND TRAIT TO STORAL DESTOR DETAILS | | | TS-05 | | CONTRAC | Γ NO. 62 | K42 | | | | |
| | SHEET 3 | OF 7 | SHEETS | STA. | TO STA. | | III IN | OIS FED A | D PROJECT | | |







CONTROLLER CABINETS



- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
- 2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- 3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- 4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- 5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- 6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM

| CABLE SLACK LENGTH | FEET | METER |
|---------------------------------------------------|------|-------|
| HANDHOLE | 6.5 | 2.0 |
| DOUBLE HANDHOLE | 13.0 | 4.0 |
| SIGNAL POST | 2.0 | 0.6 |
| MASTARM | 2.0 | 0.6 |
| CONTROLLER CABINET | 1.5 | 0.5 |
| FIBER OPTIC AT CABINET | 13.0 | 4.0 |
| ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION) | 1.5 | 0.5 |
| GROUND CABLE (SIGNAL POST, MAST ARM, CABINET) | 1.5 | 0.5 |
| GROUND CABLE (BETWEEN FRAME AND COVER) | 5.0 | 1.6 |

| VERTICAL CABLE LENGTH | FEET | METER |
|-----------------------------------------------------------------------------------|--------|-------|
| MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) | | |
| (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM) | 20.0+L | 6.0+L |
| BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE) | 13.0 | 4.0 |
| PEDESTRIAN PUSH BUTTON | 6.0 | 2.0 |
| SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP | 13.5 | 4.1 |
| SERVICE INSTALLATION POLE MOUNT TO GROUND | 13.5 | 4.1 |
| SERVICE INSTALLATION GROUND MOUNT | 6.0 | 2.0 |
| FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT) | 3.0 | 1.0 |
| | | |

VERTICAL CABLE LENGTH

CABLE SLACK

| | FEET | METER | |
|---------------------------------------|--------|-------|--|
| D) | | | |
| FROM END OF ARM) | 20.0+L | 6.0+L | |
| DLE) | 13.0 | 4.0 | |
| | 6.0 | 2.0 | |
| ROP | 13.5 | 4.1 | |
| | 13.5 | 4.1 | |
| | 6.0 | 2.0 | |
| ROLLER CABINET, SERVICE-GROUND MOUNT) | 3.0 | 1.0 | |

DEPTH OF FOUNDATION

| Mast Arm Length | Foundation Depth | Foundation Diameter | Spiral Diameter | Quantity of Rebars | Size of Rebars |
|------------------------------------------------------------------------|----------------------|------------------------|--------------------|-----------------------|-------------------|
| Less than 30' (9.1 m) | 10'-0" (3.0 m) | 30" (750mm) | 24" (600mm) | 8 | 6(19) |
| Greater than or equal to | 13'-6" (4.1 m) | 30" (750mm) | 24" (600mm) | 8 | 6(19) |
| 30' (9.1 m) and less than 40' (12.2 m) | 11'-0" (3.4 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m) | 13'-0" (4.0 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m) | 15'-0" (4.6 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m) | 21'-0" (6.4 m) | 42" (1060mm) | 36" (900mm) | 16 | 8(25) |
| Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m) | 25'-0" (7.6 m) | 42" (1060mm) | 36" (900mm) | 16 | 8(25) |

4'-0" (1.2m)

4'-0" (1.2m)

4'-0" (1.2m)

4'-0" (1.2m)

- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along
 the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa).
 This strength shall be verified by boring data prior to construction or with testing by the Engineer
 during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised
- 2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations
- 3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
- 4. For mast arm assemblies with dual arms refer to state standard 878001.,

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

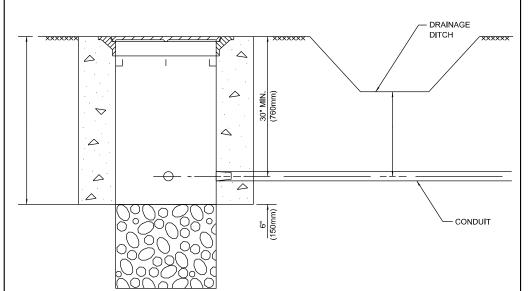
| USER NAME = Iovan Plascencia | DESIGNED - | REVISED - | • | DISTRICT ONE | | DISTRICT ONE | | | | | F.A. RTF | SECTION | COUNTY | TOTAL | SHEET |
|------------------------------|------------|-----------|-------------------------------------------------|----------------------------------------|---------------------------------------|--------------|------------|-----------|---------|--------------|-----------------|----------------|--------|-------|-------|
| | DRAWN - | REVISED - | STATE OF ILLINOIS | STANDARD TRAFFIC SIGNAL DESIGN DETAILS | | | | N DETAILS | VAR | 2024-1005-TS | соок | 35 | 14 | | |
| PLOT SCALE = 100.0000 '/in. | CHECKED - | REVISED - | DEPARTMENT OF TRANSPORTATION STANDARD TRAFFIC S | | TATION STANDARD TRAFFIC SIGNAL DESIGN | | N DE IAILS | | TS-05 | CONTRAC | T NO. 62 | < 42 | | | |
| PLOT DATE = 3/20/2025 | DATE - | REVISED - | | SCALE: NONE | SHEET 5 | OF 7 | SHEETS | STA. | TO STA. | | ILLINOIS FED. A | D PROJECT | | | |

FOUNDATION TYPE A - Signal Post

TYPE C - CONTROLLER W/ UPS

TYPE D - CONTROLLER

SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE

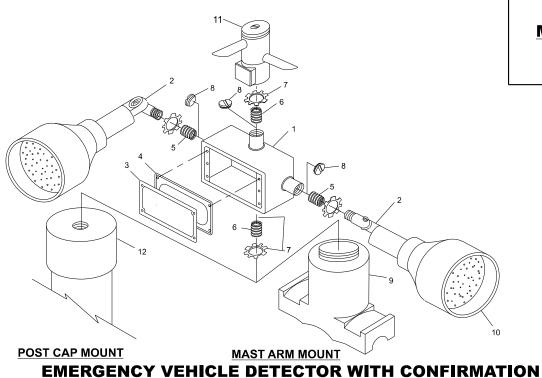


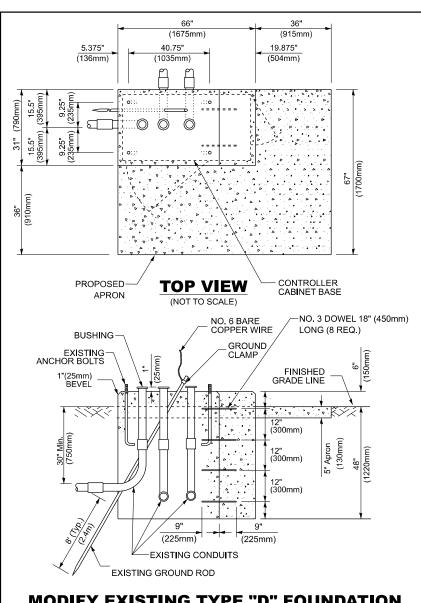
NOTES:

- 1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
- THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
- 3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)





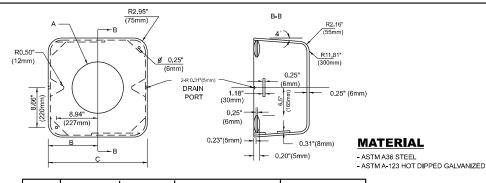
MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)

| ITEM N | O. IDENTIFICATION |
|--------|---------------------------------------------|
| 1 | OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M) |
| 2 | LAMP HOLDER AND COVER |
| 3 | OUTLET BOX COVER |
| 4 | RUBBER COVER GASKET |
| 5 | REDUCING BUSHING |
| 6 | 3/4" (19 mm) CLOSE NIPPLE |
| 7 | 3/4" (19 mm) LOCKNUT |
| 8 | 3/4" (19 mm) HOLE PLUG |
| 9 | SADDLE BRACKET - GALV. |
| 10 | 6 WATT PAR 38 LED FLOOD LAMP |
| 11 | DETECTOR UNIT |
| 12 | POST CAP [18 FT. (5.4 m) POST MIN.] |

NOTES:

- 1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
 ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
 ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- 3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



| Α | В | С | HEIGHT | WEIGHT |
|--------|---------------|--------------|--------------------------|-----------------|
| VARIES | 9.5"(241mm) | 19"(483mm) | 7" (178mm) - 12" (300mm) | 53 lbs (24kg) |
| VARIES | 10.75"(273mm) | 21.5"(546mm) | 7" (178mm) - 12" (300mm) | 68 lbs (31 kg) |
| VARIES | 13.0"(330mm) | 26"(660mm) | 7" (178mm) - 12" (300mm) | 81 lbs (37 kg) |
| VARIES | 18.5"(470mm) | 37"(940mm) | 7" (178mm) - 12" (300mm) | 126 lbs (57 kg) |

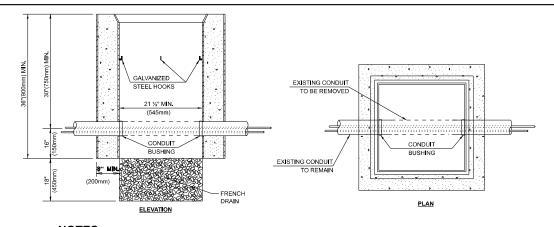
SHROUD

NOTES:

- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD.
 THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- 2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- 3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING. BREAK DOWN EXISTING FOUNDATION 12" (300mm) 9" (225mm) 9" (225mm) 12" (300mm) 6" (150mm) 6" (150mm) 12" (300mm) EXISTING CONDUIT 2" (50mm), 4" (100mm) EXISTING TYPE D (CONTROLLER) FOUNDATION EXISTING TYPE D (CONTROLLER) FOUNDATION 9" (225mm) 9" (225mm) 9" (225mm) 9" (225mm) 9" (225mm) 9" (225mm)

MODIFY EXISTING TYPE "D" FOUNDATION



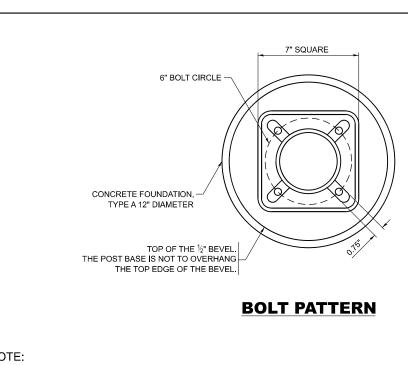
NOTES:

- 1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- 2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

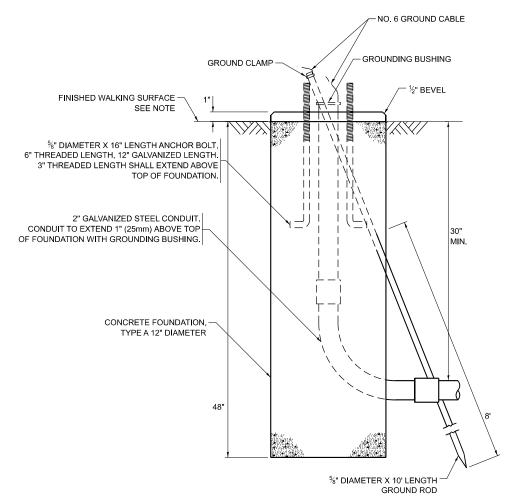
HANDHOLE TO INTERCEPT EXISTING CONDUIT

BEACON MOUNTING DETAIL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



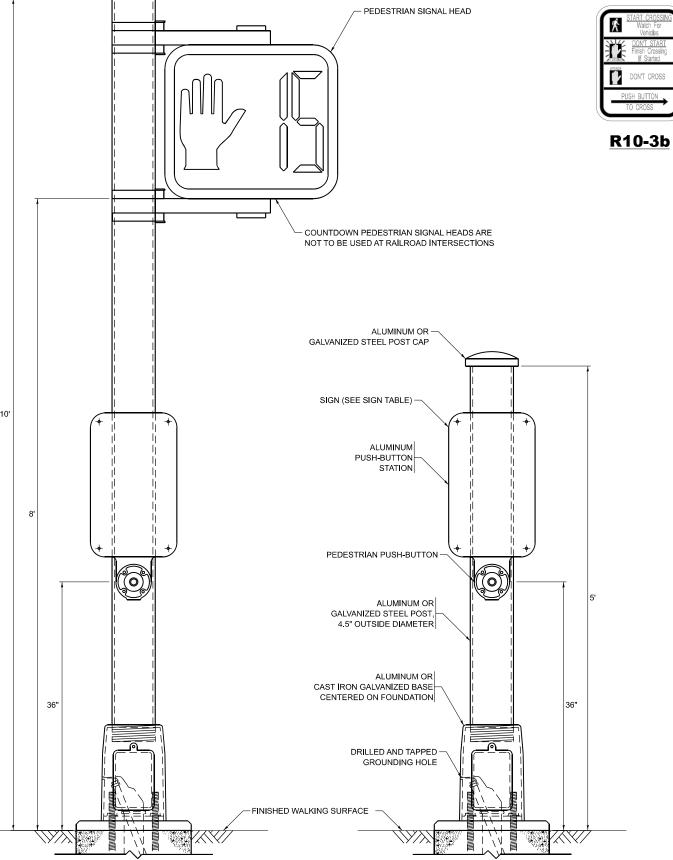
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.

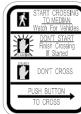


CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER

PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.





R10-3d

R10-3e

SIGN TABLE

| SIGN | DIMENSIONS |
|------------------------|------------|
| R10-3b (RAILROAD ONLY) | 9" X 12" |
| R10-3d (RAILROAD ONLY) | 9" X 12" |
| R10-3e | 9" X 12" |

- 1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
- 2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE
- 3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

10-15-2020

SHEET 7 OF 7 SHEETS STA.

DISTRICT ONE

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

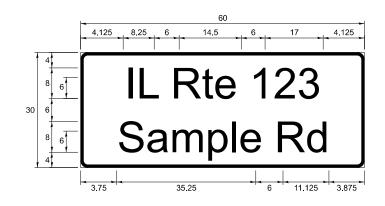
2024-1005-TS COOK TS-05 CONTRACT NO. 62X42

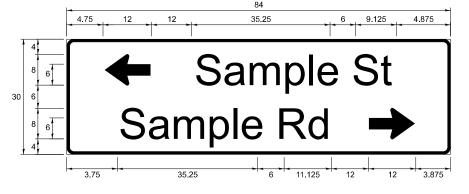
| USER NAME = Iovan Plascencia | DESIGNED - | IP | REVISED . |
|-------------------------------|------------|------------|-----------|
| | DRAWN - | IP | REVISED . |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | LP | REVISED . |
| PLOT DATE = 3/20/2025 | DATE - | 10-15-2018 | REVISED . |

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SIGN PANEL - TYPE 1 OR TYPE 2







| DESIGN | AREA | SIGN PANEL | SHEETING | QTY. |
|--------|---------|------------|----------|----------|
| SERIES | (SQ FT) | TYPE | TYPE | REQUIRED |
| D OR C | - | 1 OR 2 | ZZ | - |

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

| | | WIDTH | I (INCH) |
|---------------|-------------|------------|------------|
| NAME | ABBREVATION | SERIES "C" | SERIES "D" |
| AVENUE | Ave | 15.000 | 18.250 |
| BOULEVARD | Blvd | 17.125 | 20.000 |
| CIRCLE | Cir | 11.125 | 13.000 |
| COURT | Ct | 8.250 | 9.625 |
| DRIVE | Dr | 8.625 | 10.125 |
| HIGHWAY | Hwy | 18.375 | 22.000 |
| ILLINOIS | IL | 7.000 | 8.250 |
| LANE | Ln | 9.125 | 10.750 |
| PARKWAY | Pkwy | 23.375 | 27.375 |
| PLACE | PI | 7.125 | 7.750 |
| ROAD | Rd | 9.625 | 11.125 |
| ROUTE | Rte | 12.625 | 14.500 |
| STREET | St | 8.000 | 9.125 |
| TERRACE | Ter | 12.625 | 14.625 |
| TRAIL | Tr | 7.750 | 9.125 |
| UNITED STATES | US | 10.375 | 12.250 |

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- 2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ
- 3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED, THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- 5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- 6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS: PARTS LISTING:

- J.O. HERBERT COMPANY, INC. MIDLOTHIAN, VA

- WESTERN REMAC, INC.

WOODRIDGE, IL

SIGN CHANNEL SIGN SCREWS

PART #HPN053 (MED. CHANNEL) 1/4" x 14 x 1" H.W.H. #3

SELF TAPPING WITH NEOPRENE WASHER **BRACKETS**

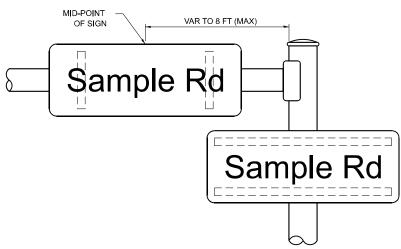
PART #HPN034 (UNIVERSAL)

CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

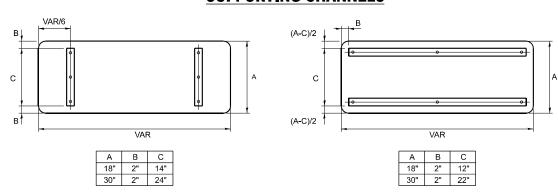
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

ARM OR POLE MOUNTED



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

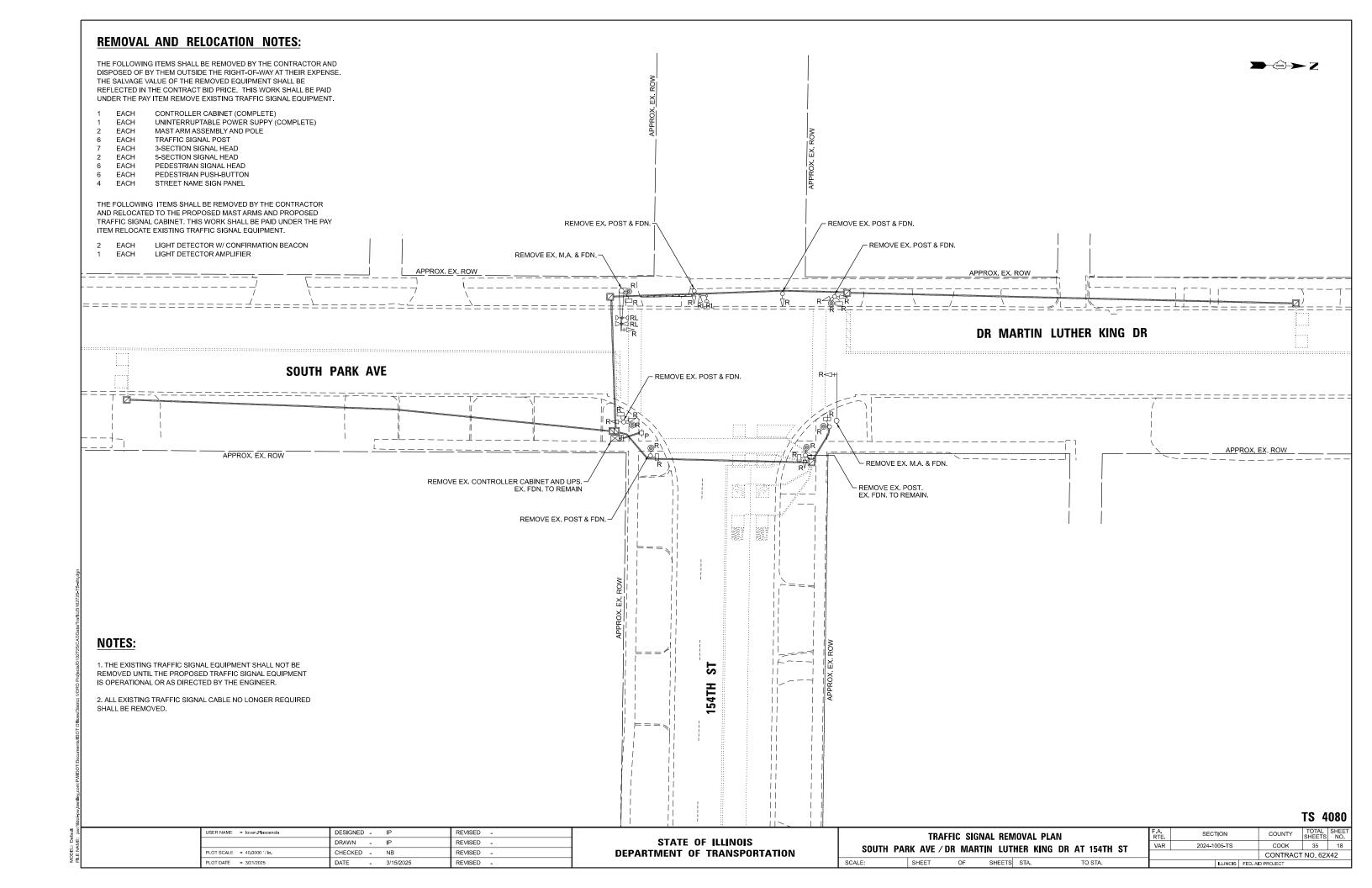
(8") UPPER CASE AND (6") LOWER CASE

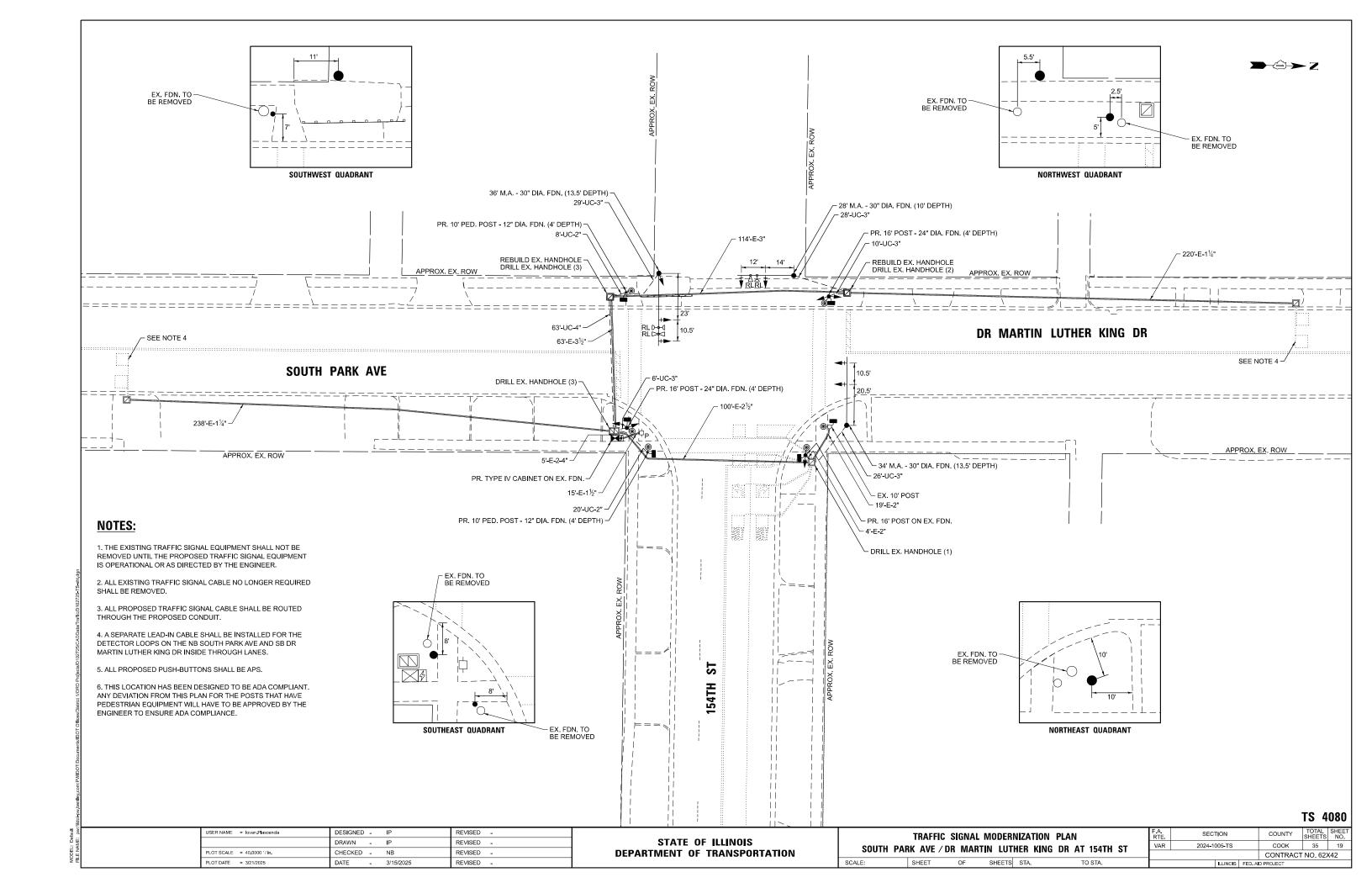
| FHWA SERIES "C" | | | FHWA SERIES "D" | | | | |
|-----------------|---------------------------|-----------------|----------------------------|-----------|---------------------------|-----------------|----------------------------|
| CHARACTER | LEFT SPACING (INCH) | WIDTH (INCH) | RIGHT SPACING (INCH) | CHARACTER | LEFT SPACING (INCH) | WIDTH (INCH) | RIGHT SPACING (INCH) |
| Α | 0.240 | 5.122 | 0.240 | Α | 0.240 | 6.804 | 0.240 |
| В | 0.880 | 4.482 | 0.480 | В | 0.960 | 5.446 | 0.400 |
| C | 0.720 | 4.482 | 0.720 | С | 0.800 | 5.446 | 0.800 |
| | 0.880 | 4.482 | 0.720 | D | 0.960 | 5.446 | 0.800 |
| E F | 0.880 | 4.082 | 0.480 | E F | 0.960 | 4.962 | 0.400 |
| G G | 0.880 0.720 | 4.082 4.482 | 0.240 | G | 0.960 0.800 | 4.962 5.446 | 0.240 |
| H | 0.720 | 4.482 | 0.880 | Н | 0.960 | 5.446 | 0.960 |
| i | 0.880 | 1.120 | 0.880 | i | 0.960 | 1.280 | 0.960 |
| J | 0.240 | 4.082 | 0.880 | j | 0.240 | 5.122 | 0.960 |
| K | 0.880 | 4.482 | 0.480 | K | 0.960 | 5.604 | 0.400 |
| L | 0.880 | 4.082 | 0.240 | L | 0.960 | 4.962 | 0.240 |
| М | 0.880 | 5.284 | 0.880 | М | 0.960 | 6.244 | 0.960 |
| N | 0.880 | 4.482 | 0.880 | N | 0.960 | 5.446 | 0.960 |
| 0 | 0.720 | 4.722 | 0.720 | 0 | 0.800 | 5.684 | 0.800 |
| Р | 0.880 | 4.482 | 0.720 | Р | 0.960 | 5.446 | 0.240 |
| Q | 0.720 | 4.722 | 0.720 | Q | 0.800 | 5.684 | 0.800 |
| R | 0.880 | 4.482 | 0.480 | R | 0.960 | 5.446 | 0.400 |
| S | 0.480 | 4.482 | 0.480 | S | 0.400 | 5.446 | 0.400 |
| | 0.240 | 4.082 | 0.240 | T | 0.240 | 4.962 | 0.240 |
| U | 0.880 | 4.482 | 0.880 | U | 0.960 | 5.446 | 0.960 |
| V | 0.240 | 4.962 | 0.240 | V W | 0.240 | 6.084 7.124 | 0.240 |
| X | 0.240 0.240 | 6.084 4.722 | 0.240 | X | 0.240 | 5.446 | 0.240 |
| Ŷ | 0.240 | 5.122 | 0.240 | Y | 0.400 | 6.884 | 0.400 |
| | 0.480 | 4.482 | 0.480 | Z | 0.400 | 5.446 | 0.400 |
| a | 0.320 | 3.842 | 0.640 | a | 0.400 | 4.562 | 0.720 |
| b | 0.720 | 4.082 | 0.480 | b | 0.800 | 4.802 | 0.480 |
| С | 0.480 | 4.002 | 0.240 | С | 0.480 | 4.722 | 0.240 |
| d | 0.480 | 4.082 | 0.720 | d | 0.480 | 4.802 | 0.800 |
| е | 0.480 | 4.082 | 0.320 | е | 0.480 | 4.722 | 0.320 |
| f | 0.320 | 2.480 | 0.160 | f | 0.320 | 2.882 | 0.160 |
| g | 0.480 | 4.082 | 0.720 | g | 0.480 | 4.802 | 0.800 |
| h | 0.720 | 4.082 | 0.640 | h | 0.800 | 4.722 | 0.720 |
| i | 0.720 | 1.120 | 0.720 | i | 0.800 | 1.280 | 0.800 |
| j | 0.000 | 2.320 | 0.720 | j | 0.000 | 2.642 | 0.800 |
| k | 0.720 | 4.322 | 0.160 | k | 0.800 | 5.122 | 0.160 |
| 1 | 0.720 | 1.120 | 0.720 | 1 | 0.800 | 1.280 | 0.800 |
| m | 0.720 | 6.724 | 0.640 | m | 0.800 | 7.926 | 0.720 |
| n | 0.720 0.480 | 4.082 4.082 | 0.640 | n | 0.800 0.480 | 4.722 4.882 | 0.720 0.480 |
| o p | 0.480 | 4.082 | 0.480 | 0 | 0.460 | 4.802 | 0.480 |
| q | 0.480 | 4.082 | 0.720 | p q | 0.480 | 4.802 | 0.800 |
| r | 0.720 | 2.642 | 0.160 | r | 0.800 | 3.042 | 0.160 |
| s | 0.320 | 3.362 | 0.240 | s | 0.320 | 3.762 | 0.240 |
| t | 0.080 | 2.882 | 0.080 | t | 0.080 | 3.202 | 0.080 |
| u | 0.640 | 4.082 | 0.720 | u | 0.720 | 4.722 | 0.800 |
| V | 0.160 | 4.722 | 0.160 | v | 0.160 | 5.684 | 0.160 |
| w | 0.160 | 7.524 | 0.160 | w | 0.160 | 9.046 | 0.160 |
| х | 0.000 | 5.202 | 0.000 | х | 0.000 | 6.244 | 0.000 |
| у | 0.160 | 4.962 | 0.160 | у | 0.160 | 6.004 | 0.160 |
| z | 0.240 | 3.362 | 0.240 | z | 0.240 | 4.002 | 0.240 |
| 1 | 0.720 | 1.680 | 0.880 | 1 | 0.800 | 2.000 | 0.960 |
| 2 | 0.480 | 4.482 | 0.480 | 2 | 0.800 | 5.446 | 0.800 |
| 3 | 0.480 | 4.482 | 0.480 | 3 | 1.440 | 5.446 | 0.800 |
| 4 | 0.240 | 4.962 | 0.720 | 4 | 0.160 | 6.004 | 0.960 |
| 5 | 0.480 | 4.482 | 0.480 | 5 | 0.800 | 5.446 | 0.800 |
| 6 | 0.720 | 4.482 | 0.720 | 6 | 0.800 | 5.446 | 0.800 |
| 7 8 | 0.240 0.480 | 4.482 4.482 | 0.720 0.480 | 7 8 | 0.560 0.800 | 5.446 5.446 | 0.560 |
| 9 | 0.480 | 4.482 | 0.480 | 9 | 0.800 | 5.446 | 0.800 |
| 0 | 0.480 | 4.462 | 0.480 | 0 | 0.800 | 5.684 | 0.800 |
| - | 0.720 | 2.802 | 0.720 | - | 0.800 | 2.802 | 0.800 |
| | U.2.TU | 2.002 | U.270 | _ | 0.270 | 2.002 | 0.270 |

DESIGNED - LP/IP REVISED - LP 07/01/2015 SER NAME = lovan Plascencia DRAWN - LP REVISED -REVISED PLOT DATE = 3/20/2025 REVISED - 10/01/2014

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SECTION DISTRICT ONE VAR 2024-1005-TS COOK 35 MAST ARM MOUNTED STREET NAME SIGNS TS-02 CONTRACT NO. 62X42 SHEET 1 OF 1 SHEETS STA.







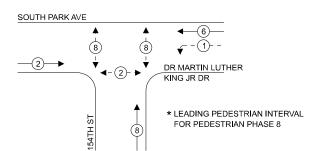
→©→ Z

LEGEND:

◆PROTECTED PHASE



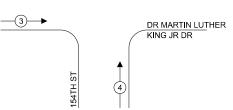
◆- (*)- PEDESTRIAN PHASE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

→⊕→ Z

SOUTH PARK AVE **4**—3—



| | TRAFFIC SIGNAL | | | | | | |
|-------|----------------------------|----------|-----------------|------------------|--|--|--|
| 5 | ELECTRICAL SERVI | CE REQ | UIREME | NTS | | | |
| 07170 | EQUIPMENT TYPE | QUANTITY | UNIT WATTAGE | TOTAL WATTAGE | | | |
| | SIGNAL HEAD 1 OR 3-SECTION | 10 | 11 | 110 | | | |
| | 4-SECTION | - | 14 | - | | | |
| | 5-SECTION | 2 | 13 | 26 | | | |
| 5 | PROGRAMMABLE 3-SECTION | - | 22 | - | | | |
| 1 | 4-SECTION | - | 32 | - | | | |
| | 5-SECTION | - | 28 | - | | | |
| 3 | PEDESTRIAN SIGNAL | 6 | 15 | 90 | | | |
| 5 | CONTROLLER | 1 | 150 | 150 | | | |
| 5 | MASTER CONTROLLER | - | 100 | - | | | |
| 5 | UPS | 1 | 25 | 25 | | | |
| 5 | DETECTION RADAR OR VIDEO | - | 20 | - | | | |
| | BLANK-OUT SIGN | - | 25 | - | | | |
| 5 | NETWORK SWITCH II OR III | - | 35 | - | | | |
| 2 | CELLULAR MODEM | - | 15 | - | | | |
| | | TOTAL UP | S SIZING | 401 | | | |
| 3 | UPS CHARGING | 1 | 225 | 225 | | | |

180

200

15

120

240

TOTAL SERVICE WIRE SIZING

PLOT DATE = 3/21/2025

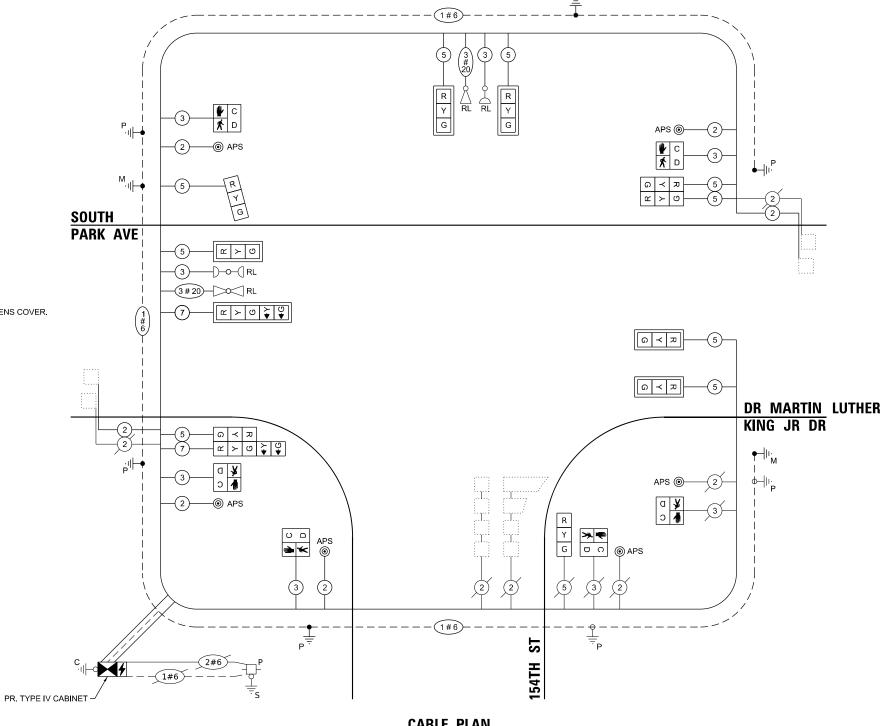
180

200

1,006

NOTES:

1. ALL RED SIGNAL INDICATIONS SHALL HAVE A LENS COVER.



CABLE PLAN

ILLINOIS DEPARTMENT OF TRANSPORTATION 201 W CENTER CT SCHAUMBURG, IL 60196 PHONE: ---COMPANY: COMED

ACCOUNT NUMBER:_

- 3/15/2025

ENERGY COSTS TO:

DATE

METER NUMBER:__--DESIGNED - IP REVISED -DRAWN - IP REVISED -CHECKED - NB REVISED -

REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE SOUTH PARK AVE / DR MARTIN LUTHER KING DR AT 154TH ST OF SHEETS STA.

SECTION COUNTY 2024-1005-TS COOK 35 20 CONTRACT NO. 62X42

TS 4080

→©→ Z

BATTERY HEATER MAT

LED STREET NAME SIGN

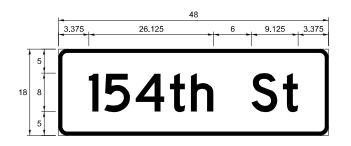
CABINET HEATER

FLASHER

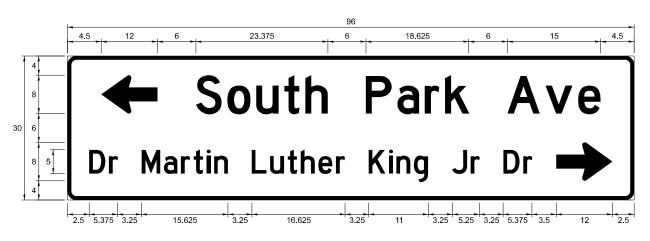
LUMINAIRE

SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN | AREA | SIGN PANEL | SHEETING | QTY |
|--------|---------|------------|----------|----------|
| SERIES | (SQ FT) | TYPE | TYPE | REQUIRED |
| D | 6 | 1 | ZZ | |



 DESIGN SERIES
 AREA (SQ FT)
 SIGN PANEL TYPE
 SHEETING TYPE
 QTY REQUIRED

 C
 20
 2
 ZZ
 1

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

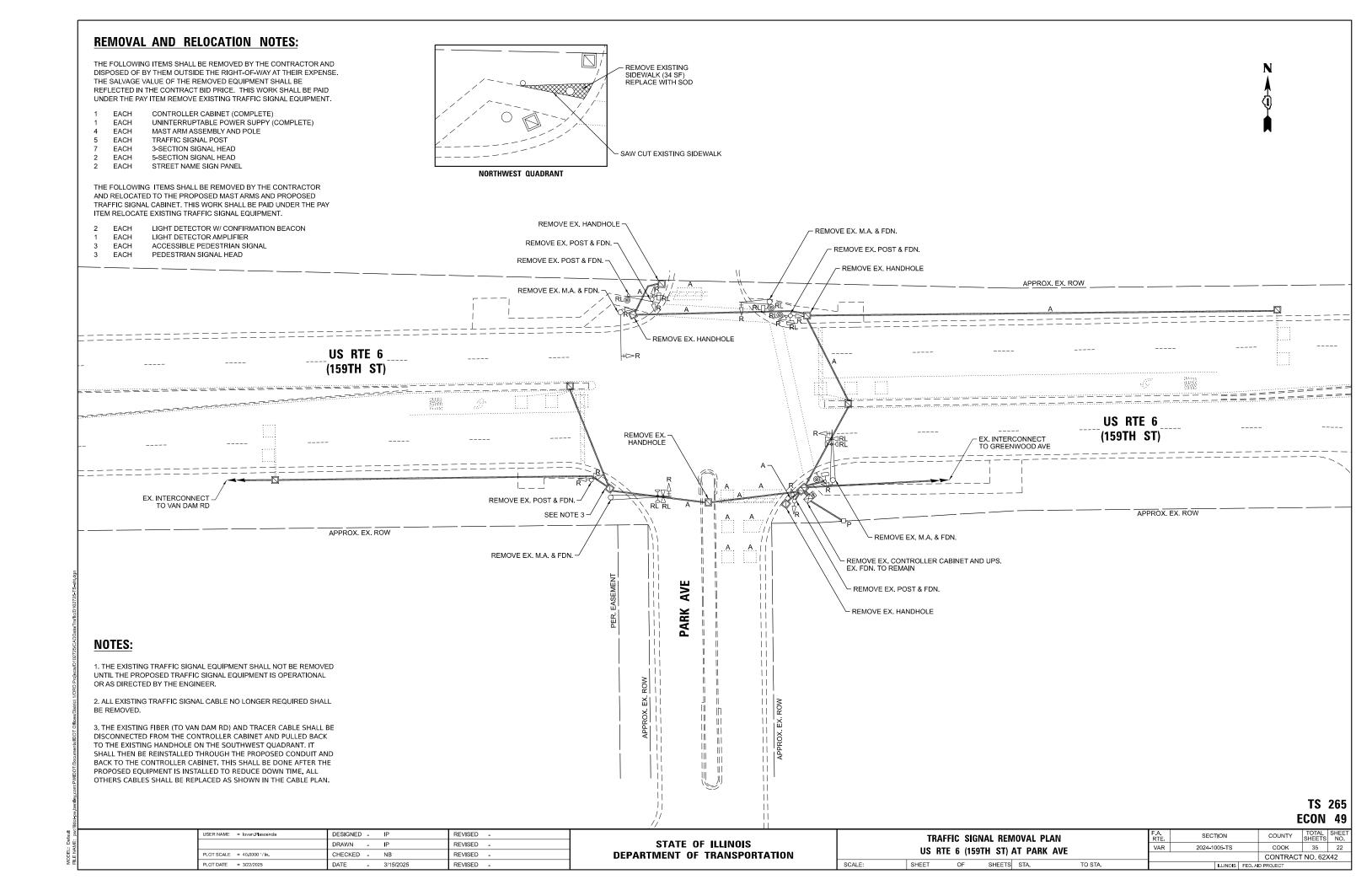
| ITEM DESCRIPTION | UNITS | TOTAL QTY |
|---------------------------------------------------------------------------|-------|--------------|
| SIGN PANEL - TYPE 1 | SQ FT | 12 |
| SIGN PANEL - TYPE 2 | SQ FT | 20 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 28 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 99 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 63 |
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| FULL-ACTUATED CONTROLLER AND TYPE IV CABINET | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 465 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 940 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 1,830 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 230 |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 710 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 260 |
| TRAFFIC SIGNAL POST, 16 FT. | EACH | 3 |
| STEEL MAST ARM ASSEMBLY AND POLE, 28 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 34 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 36 FT. | EACH | 1 |
| CONCRETE FOUNDATION, TYPE A | FOOT | 8 |
| CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER | FOOT | 37 |
| DRILL EXISTING HANDHOLE | EACH | 9 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 5 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 5 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 1 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 1 |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 6 |
| TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 6 |
| INDUCTIVE LOOP DETECTOR | EACH | 6 |
| RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 2,080 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REBUILD EXISTING HANDHOLE | EACH | 2 |
| REMOVE EXISTING CONCRETE FOUNDATION | EACH | 7 |
| EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C | FOOT | 465 |
| PEDESTRIAN SIGNAL POST, 10 FT. | EACH | 2 |
| TEMPORARY INFORMATION SIGNING | SQ FT | 51.4 |
| UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL) | EACH | 1 |
| ACCESSIBLE PEDESTRIAN SIGNALS | EACH | 6 |
| CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER | FOOT | 8 |
| LED SIGNAL FACE, LENS COVER | EACH | 12 |
| RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1 | EACH | 1 |
| | | |
| | | |
| | | |
| | | |

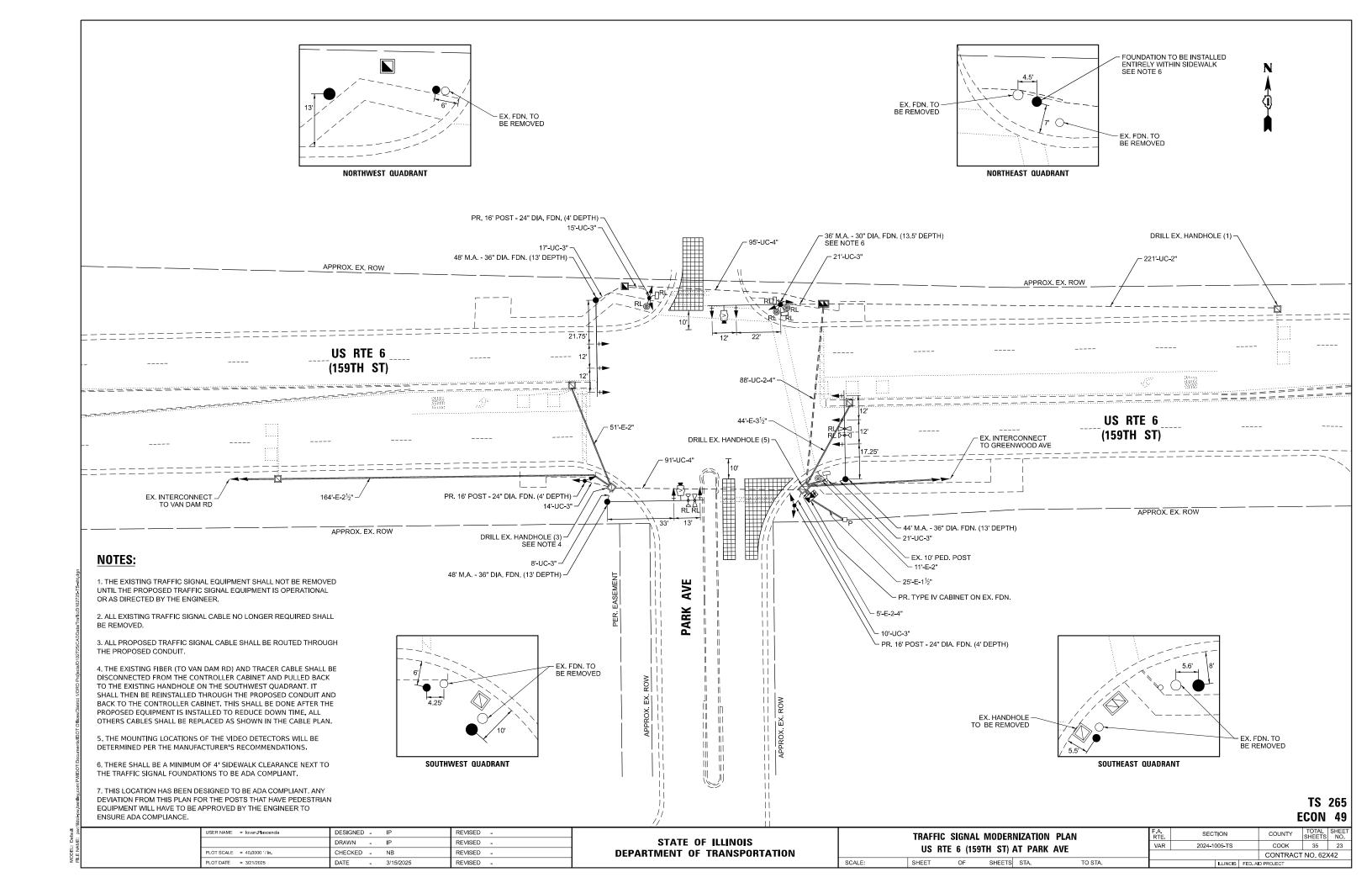
TS 4080

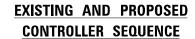
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

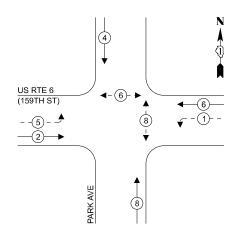
MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
SOUTH PARK AVE / DR MARTIN LUTHER KING DR AT 154TH ST

LE: SHEET OF SHEETS STA. TO STA.





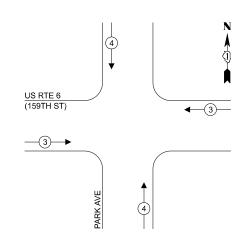




LEGEND:

- **◆**PROTECTED PHASE
- ← (*)- PROTECTED/PERMITTED PHASE
- ◆- * PEDESTRIAN PHASE

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



NOTES:

1. ALL RED SIGNAL INDICATIONS SHALL HAVE A LENS COVER.

US RTE 6

(159TH ST)

2. THE EXISTING PUSH-BUTTONS ARE APS.

EX. TRACER CABLE | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | Column | C

CABLE PLAN

1#6

R Y G

D C

(3)

U □ RL

ELECTRICAL SERVICE REQUIREMENTS TOTAL WATTAGE UNIT EQUIPMENT TYPE QUANTITY SIGNAL HEAD 1 OR 3-SECTION 11 154 4-SECTION 5-SECTION 52 PROGRAMMABLE 3-SECTION 4-SECTION 32 PEDESTRIAN SIGNAL 60 CONTROLLER 150 150 MASTER CONTROLLER 100 25 40 DETECTION 20 VIDEO BLANK-OUT SIGN 25

TRAFFIC SIGNAL

| OT O | NETWORK SWITCH | II OR III | - | 35 | - |
|-----------------------------------------|----------------------|-----------|-----------|-------------------|-------|
| Π/sl | CELLULAR MODEM | | - | 15 | - |
| ot-pw bentley com:PWIDOT/Documents/IDOT | | | TOTAL UP | S S I ZING | 481 |
| ď/Do | UPS CHARGING | | 1 | 225 | 225 |
| 00/ | BATTERY HEATER MAT | | 1 | 180 | 180 |
| n:P | CABINET HEATER | | 1 | 200 | 200 |
| y.cor | FLASHER | | ı | 15 | ı |
| entle | LED STREET NAME SIGN | | - | 120 | - |
| pw b | LUMINAIRE | | - | 240 | - |
| ö | TOT | AL CEL | NACE WALL | E CIZINO | 1.006 |

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER CT
SCHAUMBURG. IL 60196

ENERGY SUPPLY: CONTACT: --
PHONE: --
COMPANY: COMED

ACCOUNT NUMBER: ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 6 (159TH ST) AT PARK AVE

| SHEET OF SHEETS STA. TO STA.

 ECON
 49

 COUNTY
 TOTAL SHEET NO.

 COOK
 35
 24

 CONTRACT NO. 62×42

SECTION

2024-1005-TS

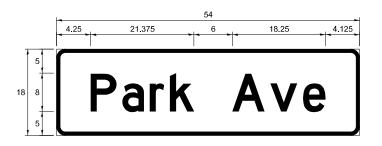
VAR

TS 265

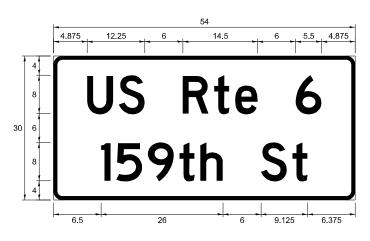
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SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN | AREA | SIGN PANEL | SHEETING | QTY |
|--------|---------|------------|----------|----------|
| SERIES | (SQ FT) | TYPE | TYPE | REQUIRED |
| D | 6.75 | 1 | ZZ | |



| DESIGN | AREA | SIGN PANEL | SHEETING | QTY |
|--------|---------|------------|----------|----------|
| SERIES | (SQ FT) | TYPE | TYPE | REQUIRED |
| D | 11.25 | 2 | ZZ | |

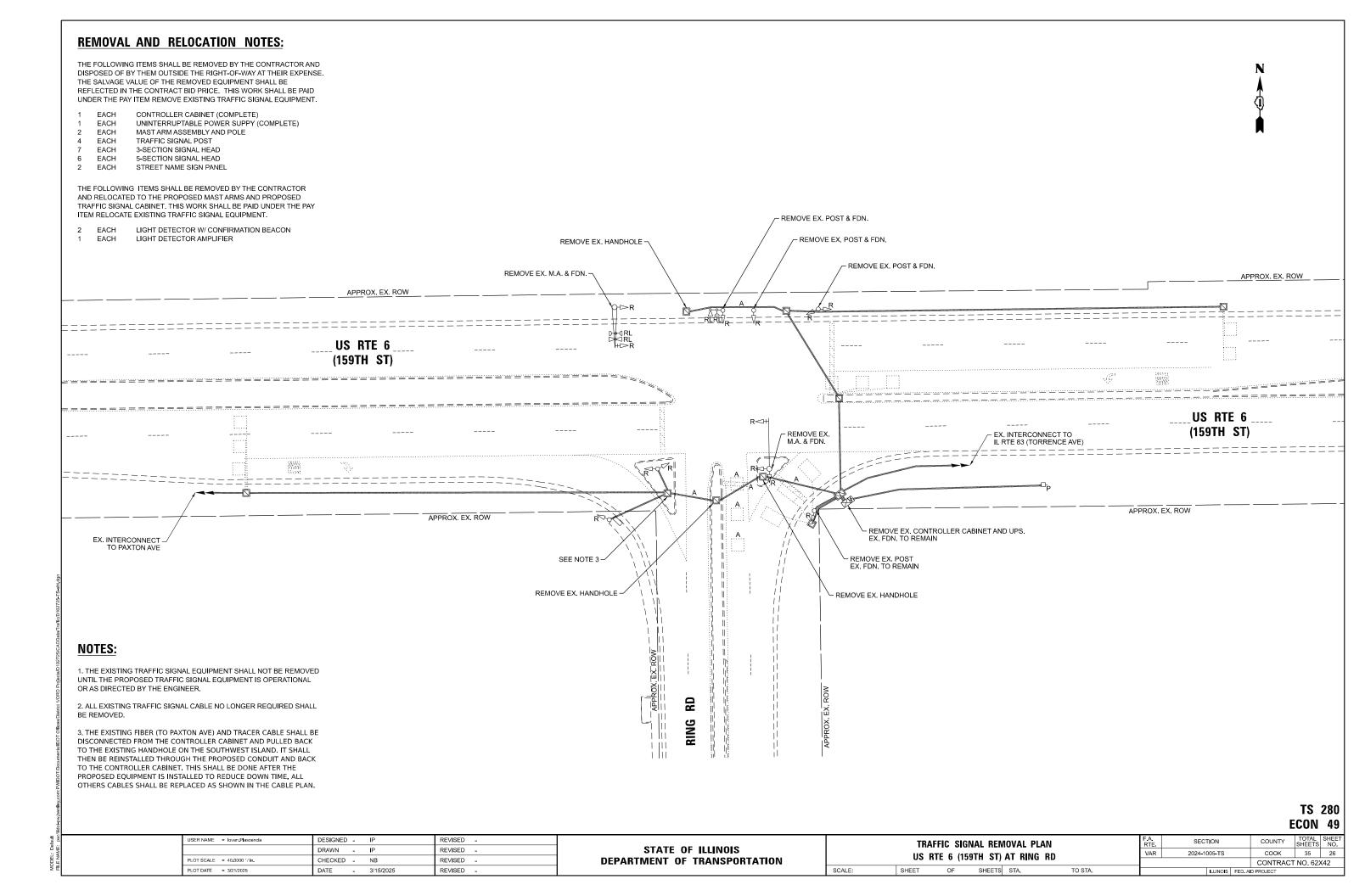
NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

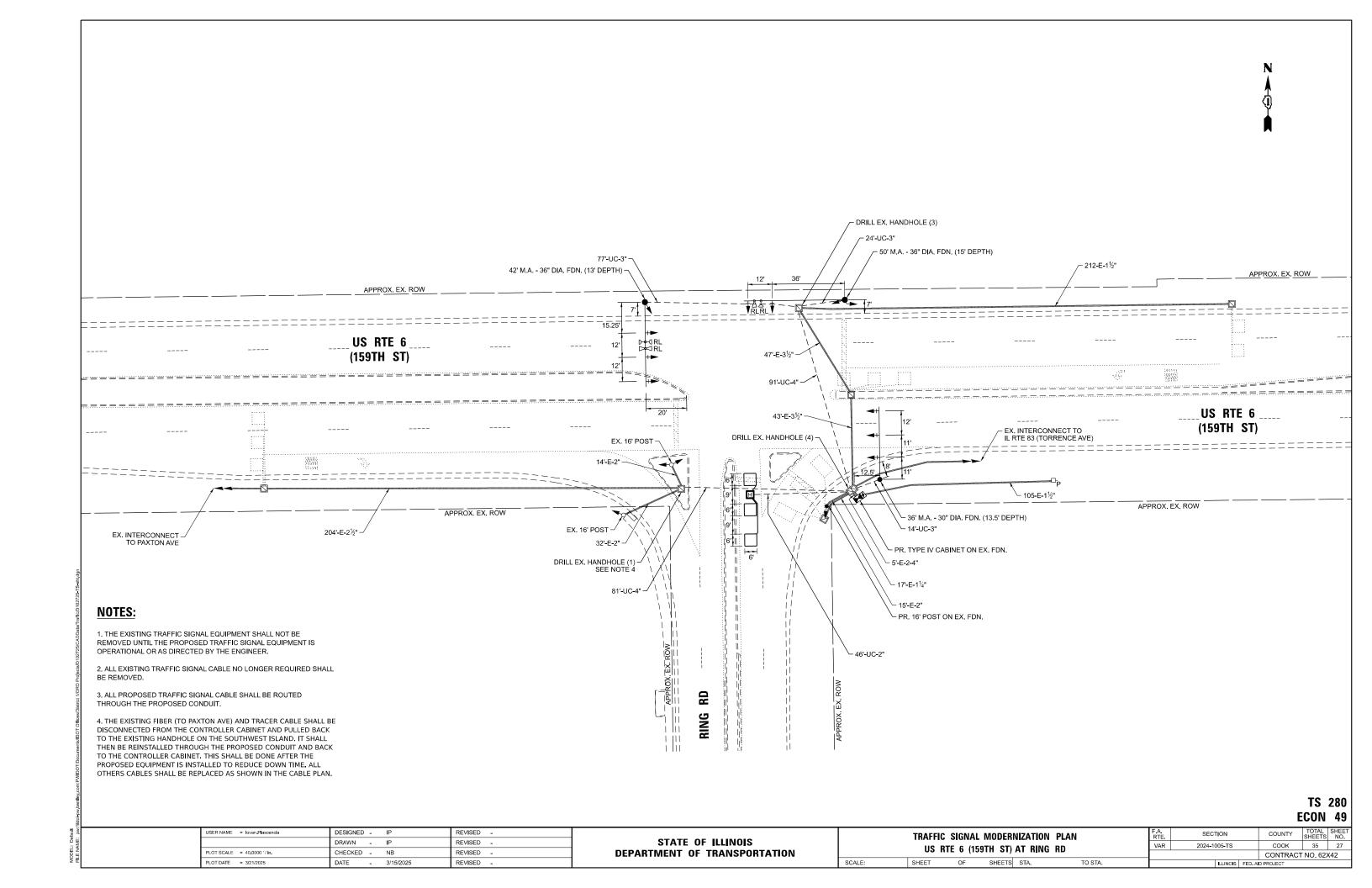
SCHEDULE OF QUANTITIES

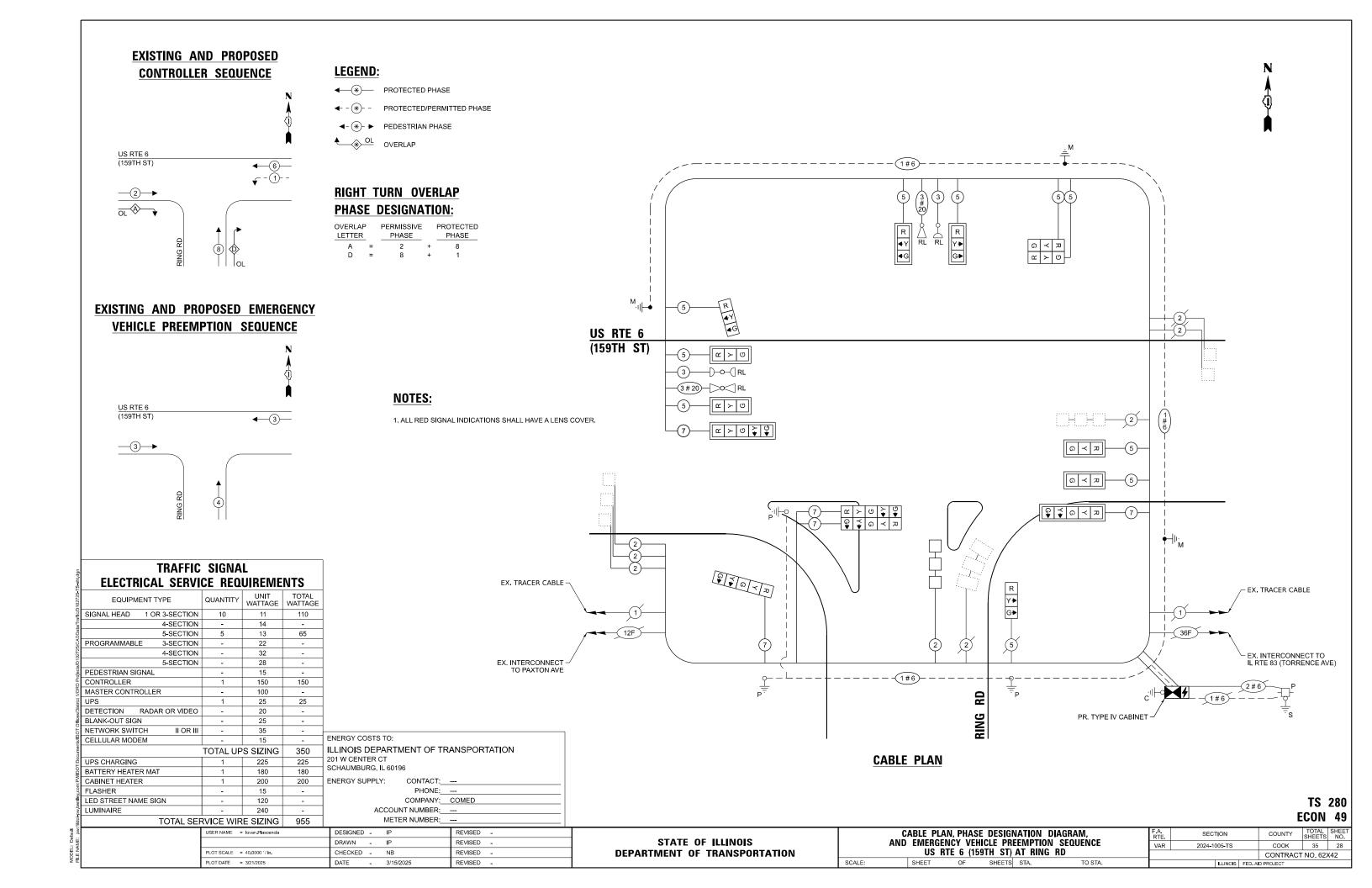
| ITEM DESCRIPTION | UNITS | TOTAL QTY |
|---------------------------------------------------------------------------------------------|-------|--------------|
| SUPPLEMENTAL WATERING | UNIT | 1 |
| TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 4 |
| SODDING, SALT TOLERANT | SQ YD | 4 |
| SIDEWALK REMOVAL | SQ FT | 34 |
| SIGN PANEL - TYPE 1 | SQ FT | 13.5 |
| SIGN PANEL - TYPE 2 | SQ FT | 22.5 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 221 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 106 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA, | FOOT | 362 |
| HANDHOLE | EACH | 1 |
| DOUBLE HANDHOLE | EACH | 1 |
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| TRANSCEIVER - FIBER OPTIC | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 565 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 865 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 2,500 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 745 |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 1.465 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 545 |
| TRAFFIC SIGNAL POST, 16 FT. | EACH | 3 |
| STEEL MAST ARM ASSEMBLY AND POLE. 36 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 30 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 48 FT. | EACH | 2 |
| CONCRETE FOUNDATION, TYPE A | FOOT | 12 |
| CONCRETE FOUNDATION, TYPE & 30-INCH DIAMETER | FOOT | 13.5 |
| CONCRETE FOUNDATION, 11 FE E 30-INCH DIAMETER CONCRETE FOUNDATION. TYPE E 36-INCH DIAMETER | FOOT | 39 |
| DRILL EXISTING HANDHOLE | EACH | 9 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 8 |
| | EACH | 6 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | | 2 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 2 |
| TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 10 |
| INDUCTIVE LOOP DETECTOR | EACH | 6 |
| RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 1,885 |
| REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT | FOOT | 240 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REMOVE EXISTING HANDHOLE | EACH | 5 |
| REMOVE EXISTING CONCRETE FOUNDATION | EACH | 9 |
| EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C | FOOT | 290 |
| TEMPORARY INFORMATION SIGNING | SQ FT | 51.4 |
| FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL) | EACH | 1 |
| UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL) | EACH | 1 |
| LED SIGNAL FACE, LENS COVER | EACH | 18 |
| VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH | EACH | 2 |
| RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1 | EACH | 1 |
| | | |

TS 265 ECON 49

| USER NAME = Iovan Plascencia | DESIGNED - | IP | REVISED - |
|------------------------------|------------|-----------|-----------|
| | DRAWN - | IP | REVISED - |
| PLOT SCALE = 40.0000 / in. | CHECKED - | NB | REVISED - |
| DLOT DATE = 2/21/2026 | DATE | 2/15/2025 | DEVISED |

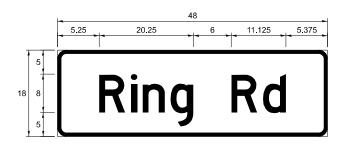




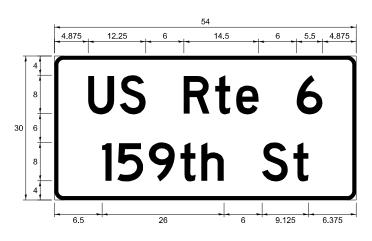


SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN | AREA | SIGN PANEL | SHEETING | QTY |
|--------|---------|------------|----------|----------|
| SERIES | (SQ FT) | TYPE | TYPE | REQUIRED |
| D | 6 | 1 | ZZ | |



| DESIGN | AREA | SIGN PANEL | SHEETING | QTY |
|--------|---------|------------|----------|----------|
| SERIES | (SQ FT) | TYPE | TYPE | REQUIRED |
| D | 11.25 | 2 | ZZ | |

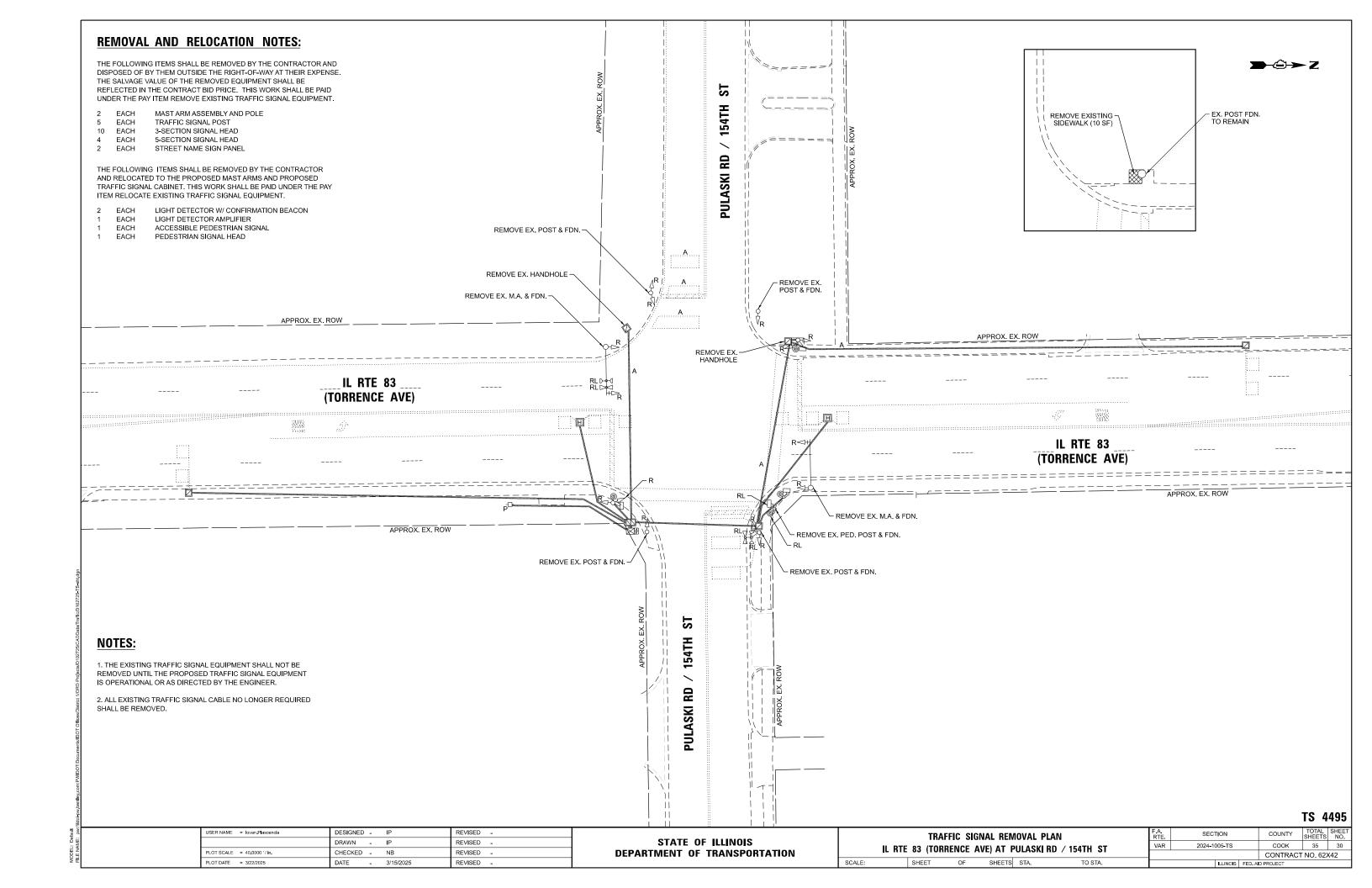
NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

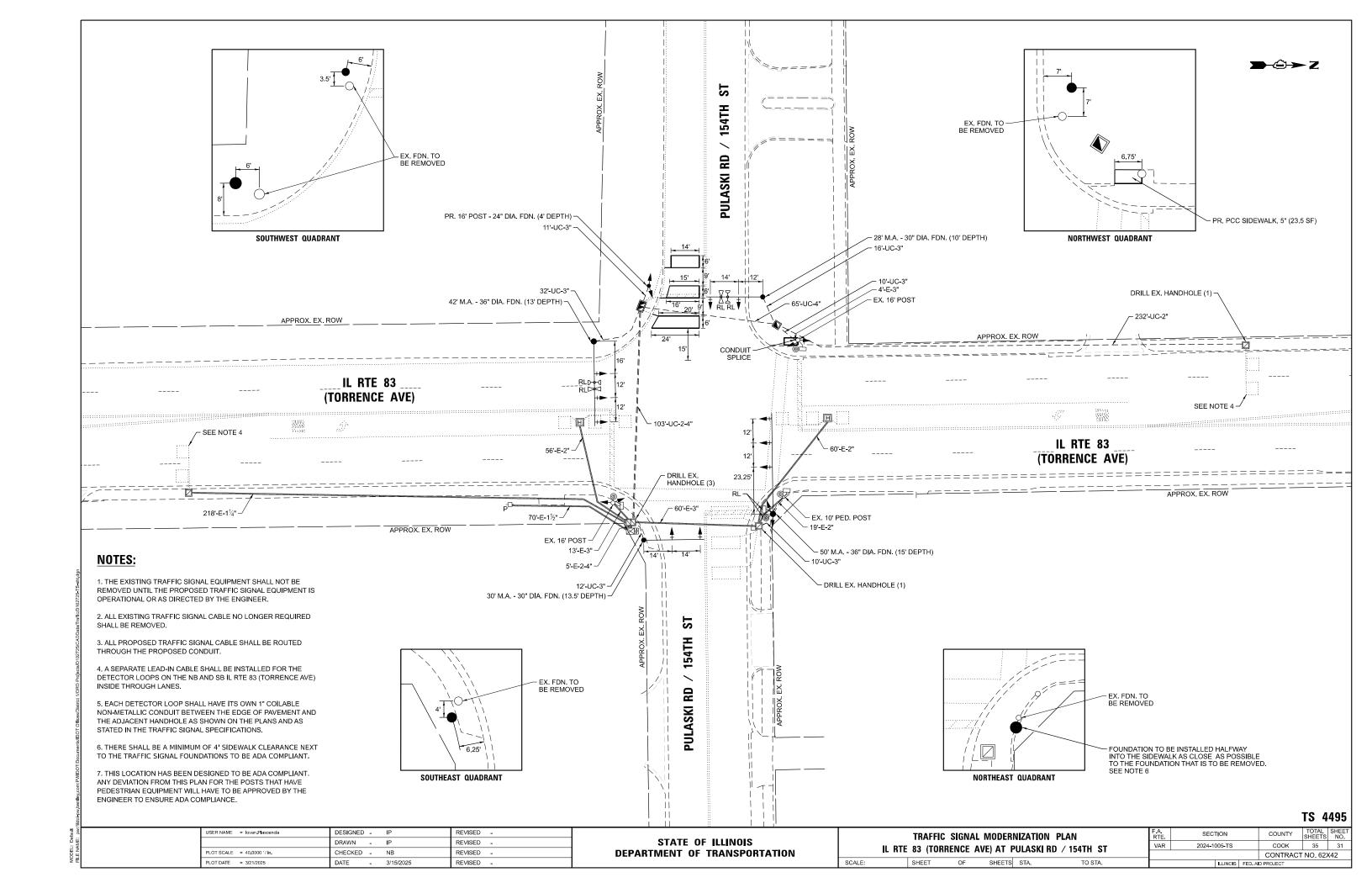
SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION | UNITS | TOTAL QTY |
|--------------------------------------------------------------------|-------|--------------|
| SIGN PANEL - TYPE 1 | SQ FT | 12 |
| SIGN PANEL - TYPE 2 | SQ FT | 11.25 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 46 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 115 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 172 |
| HEAVY-DUTY HANDHOLE | EACH | 1 |
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| TRANSCEIVER - FIBER OPTIC | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 460 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 1,630 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 780 |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 1,040 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 330 |
| TRAFFIC SIGNAL POST, 16 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 36 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 42 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 50 FT. | EACH | 1 |
| CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER | FOOT | 13.5 |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 28 |
| DRILL EXISTING HANDHOLE | EACH | 8 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 6 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 4 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 3 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 2 |
| TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 8 |
| INDUCTIVE LOOP DETECTOR | EACH | 8 |
| DETECTOR LOOP, TYPE I | FOOT | 96 |
| RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 2,320 |
| REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT | FOOT | 230 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REMOVE EXISTING HANDHOLE | EACH | 3 |
| REMOVE EXISTING CONCRETE FOUNDATION | EACH | 5 |
| EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C | FOOT | 460 |
| TEMPORARY INFORMATION SIGNING | SQ FT | 51.4 |
| FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL) | EACH | 1 |
| UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL) | EACH | 1 |
| LED SIGNAL FACE, LENS COVER | EACH | 15 |
| RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1 | EACH | 1 |
| | | |
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| | | |
| | | 1 |

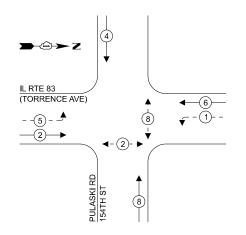
TS 280 ECON 49

| USER NAME = Iovan Plascencia | DESIGNED - IP | REVISED - |
|------------------------------|----------------|-----------|
| | DRAWN - IP | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - NB | REVISED - |
| PLOT DATE = 3/21/2025 | DATE 3/15/2025 | REVISED |





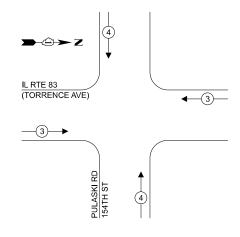
EXISTING CONTROLLER SEQUENCE



LEGEND:

- **◆**PROTECTED PHASE
- ← (*)- PROTECTED/PERMITTED PHASE
- ◆- (*)- PEDESTRIAN PHASE

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



NOTES:

- 1. ALL RED SIGNAL INDICATIONS SHALL HAVE A LENS COVER.
- 2. THE EXISTING PUSH-BUTTONS ARE APS.

| y.com:PWIDOT/Documents/IDOT Offices/District 1/ORD Projects/D102725/CADData/Traffic/D102725-TS-sht.dgn | TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS | | | | |
|--------------------------------------------------------------------------------------------------------|------------------------------------------------|----------|-------------------|------------------|--|
| 102725-T | EQUIPMENT TYPE | QUANTITY | UNIT WATTAGE | TOTAL WATTAGE | |
| ∭c/⊑ | SIGNAL HEAD 1 OR 3-SECTION | 14 | 11 | 154 | |
| a/Tra | 4-SECTION | - | 14 | - | |
| DDal | 5-SECTION | 4 | 13 | 52 | |
| 5/CA | PROGRAMMABLE 3-SECTION | - | 22 | - | |
| 0272 | 4-SECTION | - | 32 | - | |
| 10/8 | 5-SECTION | - | 28 | - | |
| oject | PEDESTRIAN SIGNAL | 4 | 15 | 60 | |
| ď | CONTROLLER | 1 | 150 | 150 | |
| 1/0H | MASTER CONTROLLER | - | 100 | - | |
| strict | UPS | 1 | 25 | 25 | |
| s/Dk | DETECTION VIDEO | 2 | 20 | 40 | |
| Office | BLANK-OUT SIGN | - | 25 | - | |
| TO | NETWORK SWITCH II OR III | - | 35 | - | |
| ⊒/st | CELLULAR MODEM | - | 15 | - | |
| cumer | | TOTAL UP | S S I ZING | 481 | |
| T/Do | UPS CHARGING | 1 | 225 | 225 | |
| .0QI/ | BATTERY HEATER MAT | 1 | 180 | 180 | |
| n:PV | CABINET HEATER | 1 | 200 | 200 | |
| y.cor | FLASHER | - | 15 | - | |
| | | | | | |

120

240

TOTAL SERVICE WIRE SIZING 1,086

PLOT DATE = 3/21/2025

LED STREET NAME SIGN

LUMINAIRE

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 W CENTER CT SCHAUMBURG, IL 60196 ENERGY SUPPLY: CONTACT: -PHONE: -COMPANY: COMED ACCOUNT NUMBER: -METER NUMBER: ---

REVISED -

REVISED -

REVISED -

REVISED -

DESIGNED - IP

DRAWN - IP

CHECKED - NB

DATE - 3/15/2025

(5)(5) R 5 Y A G 8 w > ∪ ଜ ≺ ଅ ω ≺ z IL RTE 83 (TORRENCE AVE) RL 🔘-0 0 В 1#6

CABLE PLAN

TS 4495

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STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

IL RTE 83 (TORRENCE AVE) AT PULASKI RD / 154TH ST

SCALE: SHEET OF SHEETS STA. TO STA.

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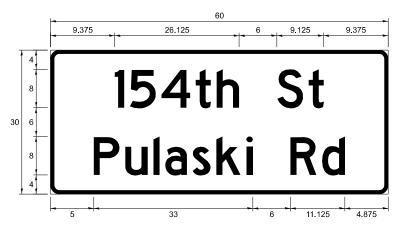
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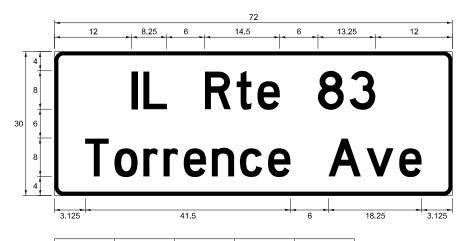
SCALE: SHEETS STA. TO STA.

SIGN PANEL - TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN | AREA | SIGN PANEL | SHEETING | QTY | |
|--------|---------|------------|----------|----------|--|
| SERIES | (SQ FT) | TYPE | TYPE | REQUIRED | |
| D | 12.5 | 2 | ZZ | | |



 DESIGN SERIES
 AREA (SQ FT)
 SIGN PANEL TYPE
 SHEETING TYPE
 QTY REQUIRED

 D
 15
 2
 ZZ
 2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION | UNITS | TOTAL QTY |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|
| PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQ FT | 23.5 |
| SIDEWALK REMOVAL | SQ FT | 10 |
| SIGN PANEL - TYPE 2 | SQ FT | 55 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 232 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 91 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 271 |
| HANDHOLE | EACH | 1 |
| DOUBLE HANDHOLE | EACH | 1 |
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 350 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 845 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 2,270 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 655 |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 1,285 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 450 |
| TRAFFIC SIGNAL POST, 16 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 28 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 30 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 42 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 50 FT. | EACH | 1 |
| CONCRETE FOUNDATION, TYPE A | FOOT | 4 |
| CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER | FOOT | 23.5 |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 28 |
| DRILL EXISTING HANDHOLE | EACH | 5 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 8 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 6 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 2 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 2 |
| TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 10 |
| INDUCTIVE LOOP DETECTOR | EACH | 2 |
| DETECTOR LOOP, TYPE I | FOOT | 150 |
| RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 1.445 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REMOVE EXISTING HANDHOLE | EACH | 2 |
| REMOVE EXISTING CONCRETE FOUNDATION | EACH | 7 |
| EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C | FOOT | 490 |
| TEMPORARY INFORMATION SIGNING | SQFT | 51.4 |
| LED SIGNAL FACE, LENS COVER | EACH | 18 |
| RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1 | EACH | 1 |
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TS 4495

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

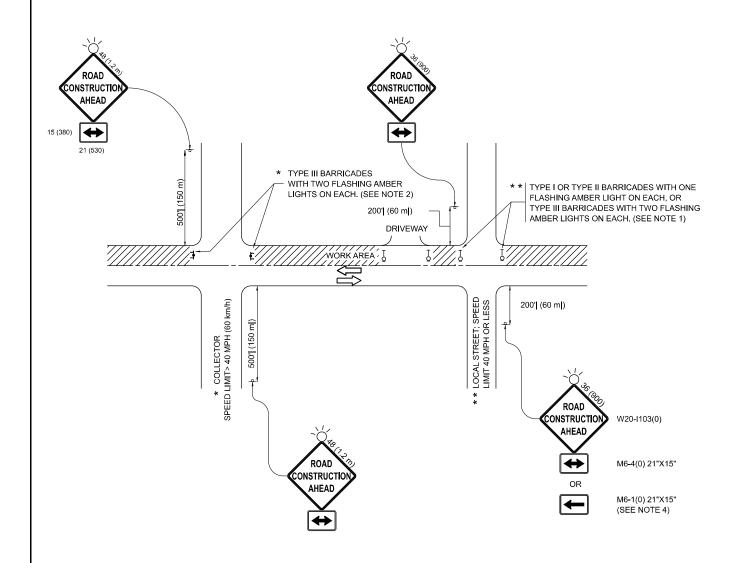
MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 83 (TORRENCE AVE) AT PULASKI RD / 154TH ST

SHEET OF SHEETS STA. TO STA.

 F.A. RTE.
 SECTION
 COUNTY SHEETS
 TOTAL NO.
 SHEETS NO.

 VAR
 2024-1005-TS
 COOK
 35
 33

 CONTRACT NO. 62X42



NOTES:

- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h)
 AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500" (150 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT
- 4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

SCALE:

- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

| USER NAME = Iovan Plascencia | DESIGNED - L.H.A. | REVISED - T. RAMMACHER 01-06-00 |
|-------------------------------|-------------------|---------------------------------|
| | DRAWN - | REVISED - A. SCHUETZE 07-01-13 |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - | REVISED - A. SCHUETZE 09-15-06 |
| PLOT DATE = 3/20/2025 | DATE - 06-89 | REVISED _ D. SENDERAK 05-03-24 |

| F.A. RTE | SECTION | | | | TOTAL | |
|------------------|------------------|--|-----------|--------|------------|----|
| VAR | 'AR 2024-1005-TS | | | COOK | 35 | 34 |
| TC-10 | | | CONTRACT | NO. 62 | K42 | |
| ILLINOIS FED. AI | | | D PROJECT | | | |

