09-20-13 LETTING ITEM 012

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

IDOT STANDARDS:

STD, NO.

857001-01 862001-01

880006-01

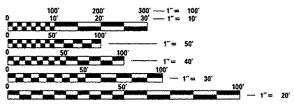
000001-06 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS OFF-RD OPERATIONS, 2L, 2W MORE THAN 15' (4.5m) AWAY 701001-02 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE 701006-04 701101-03 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE OFF-RO OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY 701106-02 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED URBAN LANE CLOSURE 2L 2W WITH BIDIRECTIONAL LEFT TURN LANE 701502-05 URBAN LANE CLOSURE, MULTILANE, IW OR 2W WITH NONTRAVERSABLE MEDIAN 701606-08 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN LIRBAN LANE CLOSURE MULTILANE INTERSECTION 701701-08 701901-02 TRAFFIC CONTROL DEVICES SIGN PANEL MOUNTING DETAILS 720001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES

> UNINTERRUPTABLE POWER SUPPLY (UPS) TRAFFIC SIGNAL MOUNTING DETAILS

VARIOUS LOCATIONS IN CENTRAL COOK COUNTY LIGHT EMITTING DIODE (LED) INSTALLATION

> **SECTION: 2013-036TS COOK COUNTY** C-91-381-13

COOK COUNTY LOCATION MAP SEE SHEET NO. 03



ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

OR 811

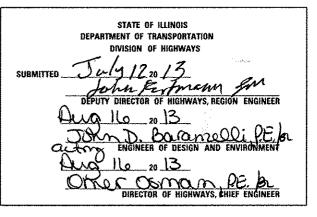
CHICAGO - UTILITY ALERT NETWORK 1-312-744-7000

PROFESSIONAL :

CONTRACT NO. 60W82

2013-03618 ILLINOIS CONTRACT NO. 60W82 FED. ROAD DIST. NO.





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

COVER SHEET 02 INDEX OF SHEETS 03 LOCATION MAP 04-07 SUMMARY OF QUANTITIES

DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS 08-13

PAGE INTERSECTION NAME TS# 10960 ADDISON ST. AT ROSE ST. /25TH AVE. 14 15 4205 BELMONT AVE. AT DES PLAINES RIVER RD. 16 10965 BELMONT AVE. AT EDGINGTON ST. 10980 BELMONT AVE. AT WOLF RD 17 11040 DES PLAINES RIVER RD. AT KING RD FULLERTON AVE. AT ROSE ST. /25TH AVE. 10995 20 11000 GRAND AVE AT ROSE ST. /25TH AVE. 5110 WOLF RO, AT FRANKLIN AVE IL 64 NORTH AVE. AT 9TH AVE. 3010 22 23 14260 36TH AVE. AT LAKE ST. 24 22165 ARMITAGE AVE. AT 25TH AVE. IL 64 /NORTH AVE. AT 15TH AVE. 14265 IL 64 /NORTH AVE: AT 19TH /8ROADWAY AVE. 28 3015 3035 IL 64 /NORTH AVE. AT 35TH AVE /CORNELL AVE. 27-28 3005 IL 64 /NORTH AVE. AT 7TH AVE. 29 3040 IL 64 /NORTH AVE. AT GEORGE ST./14TH AVE. 30 31-32 3045 IL 64 /NORTH AVE. AT HAWTHORNE AVE 33 10915 IL 64 /NORTH AVE AT JEWEL DR IL 64 /NORTH AVE. AT MENAROS /POLK PLAZA 11965 34 35-36 8800 IL 64 /NORTH AVE. AT WINSTON PLAZA 37 3050 II. 64 /NORTH LAKE AT INDIAN BOUNDARY /30TH RUBY ST. 12165 LAKE ST. AT 27TH AVE /ACCESS DR. 3715 US 20 /LAKE ST. AT 25TH AVE. 1335 US 20 /LAKE ST. AT 44TH AVE. 14375 IL 171 CUMBERLAND AVE. AT FOSTER AVE. 14395 IL 43 HARLEM AVE. AT CULLOM AVE. 4960 IL 171 / CUMBERLAND AVE. AT FOREST PRESERVE DR. 4965 IL 171/CUMBERLAND AVE, AT LAWRENCE AVE. 4970 IL 171/CUMBERLAND AVE. AT MONTROSE AVE. 1955 IL 19 / IRVING PARK RD. AT ORIOLE 2375 IL 43 /HARLEM AVE AT MONTROSE AVE (SOUTH) 10125 IL 43 /HARLEM AVE. AT HARLEM IRVING PLAZA 5435 LAWRENCE AVE. AT EAST RIVER RD./DEE RD. 14390 LAWRENCE AVE. AT OVERHILL AVE. 14385 LAWRENCE AVE. AT CANFIELD AVE. 52 14380 LAWRENCE AVE. AT PROSPECT AVE. 53 4204 BELMONT AVE. AT PLAINFIELD RD. DES PLAINES RIVER RD. AT GRAND AVE. 4985 55 5215 IL 171 IST AVE./THATCHER AT GRAND AVE. 3000 IL 64 NORTH AVE. AT 5TH AVE. 5TH AVE. AT DES PLAINES RIVER RD. 3680 58 3685 5TH AVE AT TRITON COLLEGE NORTH 3690 5TH AVE. AT TRITON SOUTH /HERMINGWAY DR. BELMONT RD. AT FOREST PRESERVE DR. 4210 5010 FULLERTON AVE. AT DES PLAINES RIVER RD. 62 5115 FULLERTON AVE. AT THATCHER AVE. 5205 GRAND AVE. AT OAK ST. /STRUCKMAN AVE. 3615 IL 171/1ST AVE. AT DES PLAINES RIVER RD. CUTOFF 65 3625 IL 171/IST AVE. AT FULLERTON AVE. IL 171/1ST AVE. AT THATCHER RD. 3660 4200 IL 171/CUMBERLAND AVE, AT BELMONT AVE. 67 IL 171/CUMBERLAND AVE. THATCHER WOODS 68 4203 SHOPPING CENTER 4983 DES PLAINES RIVER RD. AT FOSTER AVE. 70 70 DES PLAINES RIVER RD. AT 1-190 /EB OFF RAMP 190 JFK AT CTA /RIVER RD. 11215 IL 72 /HIGGINS RD. AT DEVON AVE. 9085 72 IL 72 /HIGGINS RD, AT SCOTT ST, 73 9090 IL 72 /HIGGINS RD. AT WILLOW CREEK HEALTH CLUB 74 1102 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS 75 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS, 76 (TO REMAIN OPEN TO TRAFFIC)

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 UTILITIES, 48 HOUR

THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 72

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 ARMS

THE EXACT LOCATION OF ALL UTILITIES 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 HISHER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACULTIES PRIOR TO PERFORMING ANY WORK IF THIS CONTRACT DOES NOT REGUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR THE CONTRACTOR MAY REQUIEST 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

THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS, THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND RESIDENT ENGINEER BEFORE ORDERING MATERIALS.

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 DAMAGED TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

ANY REFERENCE TO THE STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE TEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

THE CONTRACTOR SHALL FAMILIARIZE HIMSELF OR HERSELF WITH THE PLANS AND SHALL NOTIFY THE ENGINEER AT ONCE OF ANY DISCREPANCIES.

THE CONTRACTOR IS REQUIRED TO ATTEND AN ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) PRECONSTRUCTION MEETING AND SHALL INFORM THE IDOT TRAFFIC ENGINEER BEFORE

THE CONTRACTOR SHALL KEEP PUBLIC STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS.

THE CONTRACTOR SHALL BE RESPONSIBLE IN PROVIDING SAFE HEALTHFUL CONDITIONS THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION EQUAL TO THAT EXISTING BEFORE THE DAMAGE INCURRED. THIS WORK SHALL BE AT THE CONTRACTOR'S

NEW CONTROLLER CABINETS SHALL BE PLACED SO THAT, 8) THE DOORS OPEN AWAY FROM THE CURB OR TRAVELED WAY, b) AND THE TRAFFIC MOVEMENTS AT THE INTERSECTION ARE VISIBLE FROM THE CONTROLLER.

ANY CONTROLLER CABINET WHETHER NEW OR EXISTING TO RECEIVE UPS, WILL HAVE A "L" SHAPED 3 FOOT CONCRETE MAINTENANCE PAD INSTALLED, THE COST OF INSTALLATION OF CONCRETE PAD IS INCIDENTAL TO NEW CONTROLLER AND OR UPS INSTALLATIONS.

PRIOR TO REMOVING ANY TRAFFIC SIGNAL POST SPECIFIED TO BE REPLACED IN THE SAME LOCATION, THE CONTRACTOR SHELL VERIFY THAT THE PATTERN, SPACING, AND CONDITION OF THE EXISTING BOLTS ARE SUITABLE FOR RE-USE WITH A NEW POST, IF THE BOLTS ARE NOT REUSABLE, THEN THE EXISTING POST SHALL REMAIN IN PLACE OR AS DIRECTED BY THE ENGINEER.

CONTRACTOR SHALL REPLACE BROKEN MOUNTING BRACKETS AT ALL RETROFIT SIGNAL HEAD INTERSECTIONS OR AS DIRECTED BY THE ENGINEER, THE COST OF THIS WORK SHALL BE INCLUDED IN THE CORRESPONDING SIGNAL HEAD, LED, RETROFIT PAY ITEM OF THE TYPE AND NUMBER OF SIGNAL HEADS, FACES AND SECTIONS AS SPECIFIED IN THE PLANS.

THE CONTRACTOR SHALL RELOCATE EXISTING SIGN PANELS FROM PAINTED POSTS THAT ARE INDICATED FOR REPLACEMENT TO A NEW POSTS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER THE COST OF REMOVAL RELOCATION AND ANY NEW MOUNTING HARDWARE NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE TRAFFIC SIGNAL POST, GALVANIZED STEEL PAY ITEM OF THE LENGTH AS SPECIFIED ON THE PLANS.

DUE TO THE PRESENCE OF A RED LIGHT RUNNING (RLR) CAMERA FOR THE BELOW LISTED LOCATIONS, CONTRACTOR SHALL NOTIFY THE VILLAGE AND RLR CAMERA COMPANY PRIOR TO THE START OF CONSTRUCTION THE VILLAGE OR THE RLR CAMERA COMPANY SHALL MAKE THE CAMERA INOPERATIVE FOR THE TIME OF CONSTRUCTION, ANY RLR CAMERA EQUIPMENT THAT IS IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY ITS REPECTIVE OWNERS PRIOR TO THE START OF CONSTRUCTION.

RLA CAMERA LOCATION:

11000 GRAND AVENUE AT 25TH AVENUE

VILLAGE OF FRANKLIN PARK 9500 RELMONT AVENUE FRANKLIN PARK, IL 60131 847-671-4800

RLR CAMERA LOCATION

3010 IL RTE 64 (NORTH AVENUE) AT 9TH AVENUE

VILLAGE OF MELROSE PARK 1000 N. 25TH AVENUE MELROSE PARK, IL 60160 708-343-3000

RLR CAMERA LOCATION:

IL RTE 64 (NORTH AVENUE) AT 5TH AVENUE DES PLAINES RIVER ROAD AT GRAND AVENUE 4985 IL RTE 171 (FIRST AVE - THATCHER AVE) AT GRAND AVENUE

VILLAGE OF RIVER GROVE 2621 N. THATCHER AVE RIVER GROVE, IL 60171 708-453-8000

REVISED FILE NAME USER NAME # SUSERS DESIGNED -PKG EA. EB REVISED SFILELS DRAWN PLOT SCALE . . SCALE. CHECKED - PKG REVISED PLOT DATE . SDATES 7/12/2013 REVISEO DATE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

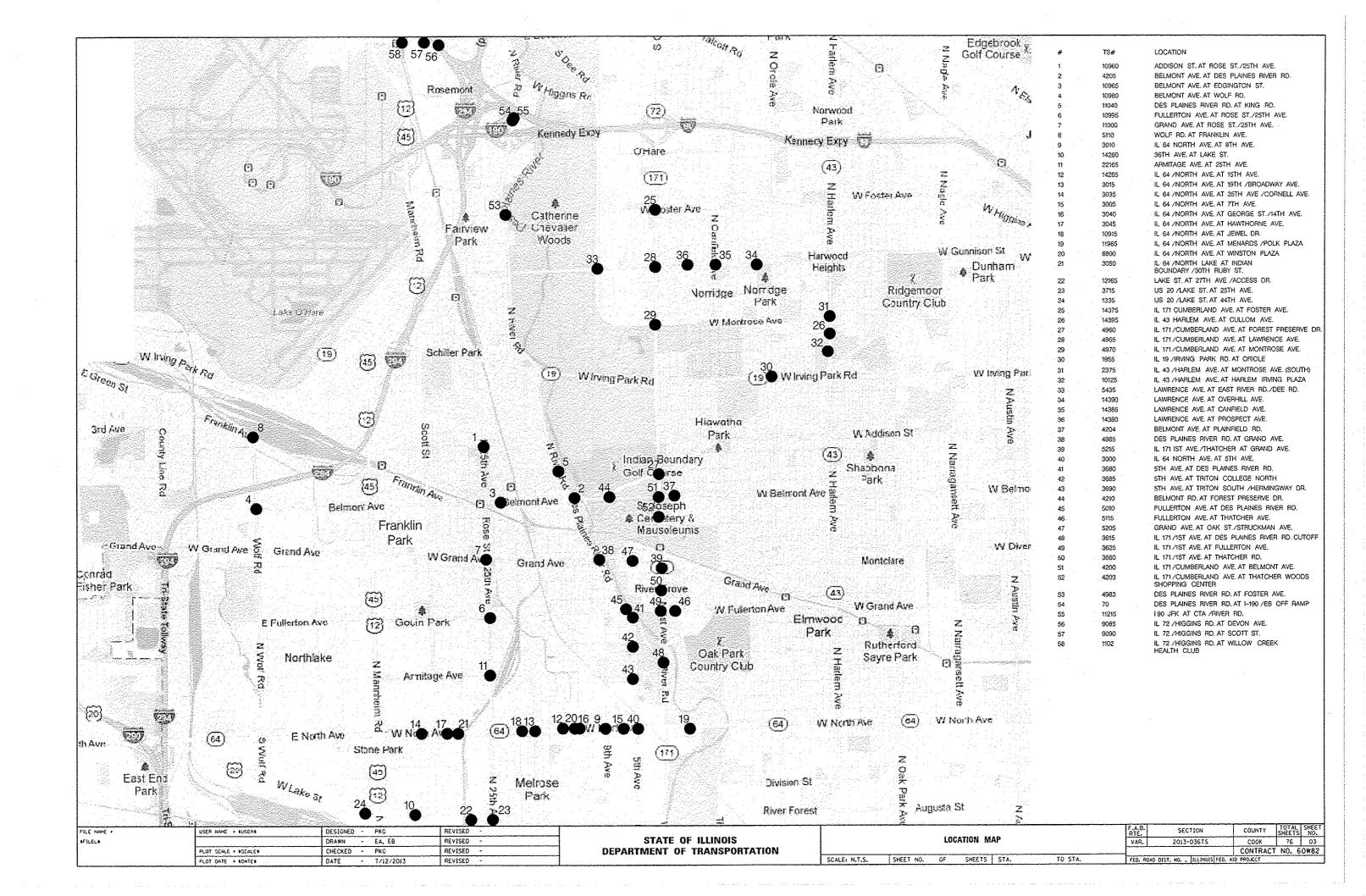
SECTION INDEX OF SHEETS AND LIST OF STANDARDS VAR. 2013-036T SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. FEO. ROAD DIST. NO. . ILLINOIS FED. AID PROJECT

COUNTY

COOK

76 02

CONTRACT NO. 60W82



| | | | SUMMARY OF QUANTITIES HEADING LEGEND | STATE | CITY OF CHICAGO | FRANKLIN | MELROSE | NORRIDGE | | ROSEMONT | | THE HARLEM | ? |
|--|---|---|--|---------------------------------------|--|--|--|--|-------------------|--|--|---|--|
| menter in analysis solving manager (solver in asset) per i () () | Enter of the specification and the great contracts become | | FUNDING PARTICIPATION | | CHICAGO | PARK | PARK | | GROVE | AN AND AND AND AND AND AND AND AND AND A | PACIFIC | IRVING COMPARIES, | COLLEGI |
| LOCATION | COLUMN | TS • | INTERSECTION | A A A A A A A A A A A A A A A A A A A | And the second of the second o | | TANAN BERTHAMAN | Colored designation of the second | A Sanday I hadana | WARFINGTON BY THE COMMON | NAILNOAD | INC | POLICE |
| 1 | 21 | 10960 | ADDISON STREET AT ROSE STREET / 25TH AVENUE | 92.5% | | 7. 57 | | | | e de la companya de l | | | |
| 2 | No. | | BELWONT AVENUE AT DES PLAINES RIVER ROAD | 100% | ALL WAS | | 1 | | | | | <u> </u> | 1 |
| ž. | 100 | 10965 | BELMONT AVENUE AT EDGINGTON STREET | 95% | · interpretation of the control of t | 5% | The second secon | | | | | | Vienes . |
| 4. | 1 | 10950 | BELMONT AVENUE AT WOLF ROAD | 95% | - | 5% | | | | | | | The state of the s |
| 5 | - 5 | | DES PLAINES RIVER ROAD AT KING POAD | 96. 7% | V V V V V V V V V V V V V V V V V V V | 3. 3% | | | | | | | |
| 6 | 2 | 10995 | FULLERTON AVENUE AT ROSE STREET / 25TH AVENUE | 97.5% | A Marin As | 2.5% | On the state of th | THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW | | · | | | 1 |
| 17 | 21 | 11000 | GRAND AVENUE AT ROSE STREET / 25TH AVENUE | 92.5% | and the same of th | 7. SX | | ALL AVERTAGE | | | | *************************************** | 1 |
| Š. | 20 | , , , , , , , , , , , , , , , , , , , | WOLF ROAD AT FRANKLIN AVENUE | 93. 3% | and the state of t | 5, 7% | | | | | | | |
| 9 | 12 | | IL 64 NORTH AVENUE AT 9TH AVENUE | 95% | 1111 | | 5% | t a sign | | | | | |
| 10 | | | 36TH AVENUE AT LAKE STREET | 95% | · | | 5% | | | | | | |
| 11 | é | | ARMITAGE AVENUE AT 25TH AVENUE | 96. 7% | | | 3. 32 | and the second of the second o | | | | • | |
| 1.5 | 12 | · · · · · · · · · · · · · · · · · · · | IL 64 / NORTH AVENUE AT 15TH AVENUE | 95% | Anna and an | · · · · · · · · · · · · · · · · · · · | 5% | - | | | | | |
| 13 | 12 | | IL 64 / NORTH AVENUE AT 19TH AVENUE / BROADWAY AVENUE | 95% | | | 5% | | | | | | |
| [4 | 12 | | IL 64 / MORTH AVENUE AT 35TH AVENUE / CORNELL AVENUE | 25% | 3007 As 1 | | 5% | | | | | | |
| 15 | 12 | | IL 64 / NORTH AVENUE AT 7TH AVENUE | 95% | 1 | | 5% | | | | | | |
| . 16 | 12 | | IL 64 / NORTH AVENUE AT GEORGE STREET / 14TH AVENUE | 95% | | | 5% | | | | | | |
| 17 | 12 | | IL G4 / NORTH AVENUE AT HAWTHORNE AVENUE | 95% | 1 | | 5% | | | | | | |
| 1.8 | | | IL G4 / NORTH AVENUE AT JEWEL DRIVE | 96. 7% | | · · · · · · · · · · · · · · · · · · · | 3, 3% | ļ | | | | | <u> </u> |
| 19 | 12 | | IL 64 / NORTH AVENUE AT MENARDS / POLK PLAZA | 95% | | | 5% | | | | | | 1 |
| 20 | 12 | ···· | IL 64 / NORTH AVENUE AT WINSTON PLAZA | 95% | | | 5% | | | | | | |
| | 12 | 3050 | IL 64 / NORTH LAKE AT INDIAN BOUNDARY / 30TH RUBY STREET | 95% | 1 | | 5% | | | | | | |
| 22 | 12 | ~ | LAKE STREET AT 27TH AVENUE / ACCESS DRIVE | 95% | | | 5% | | | | | | |
| 23 | | 3715 | US 20 / LAKE STREET AT 25TH AVENUE | 97. 54 | <u> </u> | | 2. 5% | <u> </u> | | | | | ļ |
| 24 | | | US 20 / LAKE STREET AT 44TH AVENUE | 95% | | | | ļ | | - Annual I | 5% | | <u> </u> |
| 25 26 | | | IL 171 CUMBERLAND AVENUE AT FOSTER AVENUE | 95% | | | | 5% | | | **** | | |
| 27 | ~~~~ | | IL 43 HARLEM AVENUE AT CULLOM AVENUE | 95% | | | | 52 | | | | | |
| 28 I | . ! | 4960 | IL 171 / CUMBERLAND AVENUE AT FOREST PRESERVE DRIVE | 100% | | | | | | | | <u> </u> | |
| 29 | 13 | 4965 | IL 171 / CUMBERLAND AVENUE AT LAWRENCE AVENUE | 100% | | | ~ | | | | | | |
| 30 | | 1955 | IL 171 / CUMBERLAND AVENUE AT MONTROSE AVENUE IL 19 / IRVING PARK ROAD AT ORIOLE | 95% | | | · | 52 | | | | | |
| 31 | | | IL 43 / HARLEM AVENUE AT MONTROSE AVENUE (SOUTH) | 95% | | | | 5% | | | | | 1 |
| .35 | | | IL 43 / HARLEM AVENUE AT HARLEM IRVING FLAZA | 96. 7% | } | | | 3. 3% | | | | | |
| 33. | | | LAWRENCE AVENUE AT EAST RIVER ROAD / DEE ROAD | 95% | - | | | | | | ····· | 5% | |
| 34 | | 14390 | LAWRENCE AVENUE AT OVERHILL AVENUE | 95% | 1 | | | 54 | | | | | |
| 35 | 13 | 14385 | LAWRENCE AVENUE AT CANFIELD AVENUE | 95% | 1 | · | | 54 | | | | | |
| 36 | 13 | 14380 | LAWRENCE AVENUE AT PROSPECT AVENUE | 95% | | · | | 5% | | | | | |
| 37 | 10 | | BELMONT AVENUE AT PLAINFIELD ROAD | | 2.5% | | | 57 | | | | | |
| 38 | 1 | 4985 | DES PLAINES RIVER ROAD AT CRAND AVENUE | 100% | 2.3/ | | · · · · · · · · · · · · · · · · · · · | - | 2.5% | | | | |
| 39 | | 5215 | IL 171 1ST AVENUE / THATCHER AT GRAND AVENUE | 100% | | | | <u> </u> | | | | | <u> </u> |
| 40 | 4 | | IL 64 NORTH AVENUE AT 5TH AVENUE | 97.5% | | | | | 5 (**) | | | | |
| 41 | | ~~~~ | STH AVENUE AT DES PLAINES RIVER ROAD | 96, 7% | And the state of t | | | | 2. 5½ 3. 3½ | | | | |
| 42 | 17 | 3685 | 5TH AVENUE AT TRITON COLLEGE NORTH | 95. 7% | | | | 1 | J, J/. | | | | 3 317 |
| 43 | 18 | 3690 | 5TH AVENUE AT TRITON SOUTH / HEMINGWAY ORIVE | 95% | | | | The state of the s | | | | | 3. 3% 5% |
| 44 | | 4210 | BELMONT ROAD AT FOREST PRESERVE DRIVE | 100% | TV Overen | | | TABLE TO STATE OF THE STATE OF | | | | | 3/4 |
| 45 | 8 | | FULLERTON AVENUE AT DES PLAINES RIVER ROAD | 96.7% | of the same | | | are control of the co | 3. 32 | ~ | | | |
| 46 | ļ | 5115 | FULLERTON AVENUE AT THATCHER AVENUE | 100% | A CONTRACTOR OF THE CONTRACTOR | - design | · | | | | | | |
| 47 | | 5205 | GRAND AVENUE AT OAK STREET / STRUCKMAN AVENUE | 25% | | 1 | | i i | 5% | | | | |
| - 48 | | 3615 | IL 171 / 1ST AVENUE AT DES PLAINES RIVER ROAD CUTOFF | 100% | 1111 | and the same of th | | | | | | | |
| 49 | 4 | 3625 | IL 171 / 1ST AVENUE AT FULLERTON AVENUE | 97.5% | 1 | *************************************** | ······ | | 2.5% | | | | |
| 50 | y made | 3660 | IL 171 / IST AVENUE AT THATCHER ROAD | 100% | | | | | | | | | |
| 51 | 7 | 4200 | IL 171 / CUMBERLAND AVENUE AT BELMONT AVENUE | 100% | The state of the s | | | 1 | | ĺ | | | |
| 52 | 14 | 4203 | IL 1717 CUMBERLAND AVENUE AT THATCHER WOODS SHOPPING CENTER | 95% | TO STANDARD AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AD | | · · · · · · · · · · · · · · · · · · · | 0.00 | 5% | | | | |
| 53 | 9 | 4983 | DES PLAINES RIVER ROAD AT FOSTER AVENUE | 96. 7% | | | | | | 3. 3% | | | |
| 54 | | 70 | DES PLAINES RIVER ROAD AT 1-190 / EB OFF HAMP | 1,00% | | | ······ | | | | | | |
| 55 | | 11215 | I-90 JFK AT CTA / RIVER ROAD | 92.5% | | | | | | 7. 5% | The same of the sa | | ··· |
| 56 | 9 | 9085 | IL 72 / HIGGINS ROAD AT DEVON AVENUE | 96, 7% | | | · | | | 5. 3% | | | |
| 57 | 9 | 9090 | IL 72 / HIGGINS ROAD AT SCOTT STREET | 96. 7% | | | | | | 3. 3% | | | |
| 58 | | | IL 72 / HIGGINS ROAD AT WILLOW CREEK HEALTH CLUB | 95% | | | | | | 5% | | · | |

FILE NAME =

| USEK MAINE * \$UDEK\$ | DESTONED | | PKG | REVISED | - | |
|------------------------|----------|---|---|-----------|---|---|
| | DRAWN | - | EA, EB | REVISED | - | |
| PLOT SCALE * #SCALE* | CHECKED | - | PKG | REVISED | - | |
| PLOT DATE . SOATES | DATE | - | 7/12/2013 | REVISED | - | |
| | | | *************************************** | 1 1211020 | | _ |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | SUI | MMARY | OF QUA | NTITIES | | F.A.P. RTE. | S£ |
|-----------|-------------|-------|---------|---------|---------|----------------|---------------|
| | | | ET 1 OF | | | VAR. | 201 |
| LE: NITS. | SHEET NO. 1 | OF 7 | SHEETS | STA. | TO STA. | FED. RO | DAD DIST. NO. |

| | | | | 20 1000 0 0 10 11 12 13 14 15 16 17 18 19 20 21 2 2 10 10 10 10 10 10 10 10 10 10 10 10 10 | | | | | | | | | | | | | | | | | | | |
|--|---|---|--|--|--|--|--|--|--|--|--|--|--|------------------------|--|--|--|--|--|-----------------|--------------------------------|--|--|
| - y are analysisk specifically subject to the first and the specific section of the first section of the sectio | | | | | 2 | 3 | 4 1 | 5] | | | l | | L | | | | | | 1 | 18]1 | 13[3] | OZ. | 11/2 |
| | | romani romana roma | manufacture variance by |) w, //p | and Mysell and St. War. | and the state of t | | | | CUI | | | | | | | E 0 | UZ | I | *********** | | | |
| CODE | | From Service Control of the Control | QUANTITY | | | alayan ya ayin da yind | en europeople en | - ny gamenyagan hang ay a | | | | RAF | | | SI | GN. | AL | \$4.50 | Mary and the second | - | dannes callely sylve land halo | James and gifted the glade that | |
| NUMBER | ITEM | | The state of the s | | er en | | 1 | - pro-pro-plant pro-pro-7-4 | | | | | U | RB | AN | | · | T | TT | | ~ | | |
| | | lan trouving and the second | | | | | - 1 | 19.1.7 Marin 19.1. | AAA MA MA MA AAA | | | | THE RESERVE OF THE PERSON OF T | | | | - | - | | | _ | Andrew Control of Cont | |
| 67000400 | ENGINEER'S FIELD OFFICE. TYPE A | CAL MO | 6 | 6 | | | | 440000 | 4 | A franchista | | | *** | and and of the section | and the same of th | | | - | | - - | - | and the second s | |
| | | 1 SUM | Autoropo | | | | 1 | | | Mary Company | | A DOMESTICATE OF THE PARTY OF T | - | T William V | | *************************************** | None of the latest and the latest an | - | | | - Constant | - | |
| 67100100 | MOBILIZATION | # *> *\! | A section of the sect | - | | | | - may an an | Anna Agenta | A CALCADOR AND A CALABOR | | | | | AND REAL PROPERTY OF | - | | William William | | | | | _ |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | SUM SUM | de la constante de la constant | 1 | | | | aging a standard to the standa | VALUE | and the second s | | | | *** | - | | | <u> </u> | | | | App. Over 1888 and App. Over 188 | |
| | | | | | | | | - | | - | | | | - | | - | | | | | | - | _ |
| 85000/200 | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 58 | 11 | 1. | - | 2 | Andreas Andrea | 2 | gradus maké jama sa sa sa jama sa sa | 2 1 3 | 5 1 | 12 | | 2 8 | 12 | | - | | 1 | | - | 2 |
| 0100508β | SIGNAL HEAD, LED, 1-FACE, 1-SECTION, MAST ARM MOUNTED | EACH | 2 | 2 | | | | Annual desirements | To the second se | A NAME OF THE PARTY OF THE PART | April | | | | and to account the same | | | | | 1 | | | |
| 88030020 | SIGNAL HEAD, LED. 1-FACE. 3-SECTION, MAST ARM MOUNTED | EACH | 162 | 33 | 4 | | 2 | 4 | 5 | 3 | 5 3 | 3 | 41.13 | . 5 | S | 7114 | 8 | 2 | 3 | 10 | 3. 1 | 1 | |
| 3,3,3,3,0,0,0 | | | | | | | A CALABOTTO A STATE OF THE STAT | PORT MACROCANA PA | THE REAL PROPERTY. | | A CAN SHAWAY | | | | | | | | | | | | |
| 88030050 | SIGNAL HEAD, LED. 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 65 | 3 | | 3 | A COLUMN TO THE PARTY OF THE PA | 3 | 3 | 2 | 6 6 | | | 1 | 6 2 | 11 | 0 4 | and the second s | N.; | | 3 4 | - Ch | - |
| 60070070 | SIGNAL HEAD, LED. 1-FACE, 4-SECTION, BRACKET MOUNTED | EACH | 83 | | 1 | | | 2 | <u>-</u> | | Appelly frameworks for Art A | - CONTROL OF C | - | | 1 | | | | | - | | | |
| 88030010 | SIGNAL ASAU, LED. 1-FACE, 4-SECTION, BRACKET MODICIES | - 1 | | | | | | gup contract on the contract of the contract o | - | - | A CAMANA | and a second of the second | | | | | | | | | | | |
| 88030080 | SIGNAL HEAD, LED. 1-FACE, 4-SECTION, MAST ARM MOUNTED | EACH | | - d | | | | | LA WAR III AN YOUNG A MARK | | AN MAIN LINE FANKEN W | and the state of t | | | 1 | | and on a second | | | _ | | # | |
| 88030100 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 54 | 400 | 4 | *************************************** | 4 | out the comment | 2 | . 3 | Andrews Co. 1 and Co. 1 an | Caraman Carama | and the second s | | 6 1 | 6 2 | - | | - Family | | an mark | | _ |
| | | | | | | | | | | - | *************************************** | | | - | | | | 1 | 1 | - | | + | |
| 88030110 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED | EACH. | 83 | 16 | Valent Transport | - Carrier annual Carr | 77 | The state of the s | 2 | - Company | apart of the part of the state | | £ | 14 | 3 1 | 0 1 | an our members are secured. | 13 | | | 1 | 1 | |
| 88030210 | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 35 | 9 | | nan and an | | | 1 | | Account to the Control of the Contro | | 2 | 2 1 | 0 4 | The state of the s | The state of the s | | Armed Street | 4 | paners of the second | | _ |
| 88030220 | SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 6 | 2 | The state of the s | | Victoria de la Constantina del Constantina de la | 3,000 | TAXABLE PROPERTY OF TAXABL | | Land Hall Colonia and American | A A September 1997 | | | A COLUMN TO A COLU | The statement of the last | and the second of the second o | | Land Community of the C | | | <u></u> | |
| | | FACI | 100 | No. And of the contract of the | - | ************************************** | *************************************** | THE PROPERTY OF THE PROPERTY O | as a second of the second of t | - | 700000000000000000000000000000000000000 | | MINISTER MANAGEMENT OF STREET | - | and the state of t | Circulate special size of special spec | · · · · · · · · · · · · · · · · · · · | A. A | | | | | TALLY COMPANY OF THE PARTY OF T |
| 88030230 | SIGNAL HEAD, LED. 2-FACE. 1-3 SECTION. 1-4 SECTION. BRACKET MOUNTED | EACH | | - | <u> </u> | | - | | | | | _ | | | | 1 | - | | 1-1 | | | | - |

Rev .

NIY SHEETS NO.

OK 76 OS

TRACT NO. 60W82

| FILE NAME . | USER NAME + #USER# | DESIGNED - | PKG | REVISED - | | SUMMARY OF QUANTITIES | RTE. | SECTION | COUNTY |
|-------------|----------------------|------------|-----------|-----------|------------------------------|--|----------|---------------------------------|---------|
| *FILEL* | | DRAWN - | EA, EB | REVISED - | STATE OF ILLINOIS | (SHEET 2 OF 4) | VAR. | 2013-036TS | COOK |
| | PLOT SCALE * *SCALE* | CHECKED - | PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | SCALE: NUTES. SHEET NO. 1 OF 7 SHEETS STA, TO STA. | 160 80V | L DESTROOTERS ON TRUCO | CONTRAC |
| | PLOT DATE DATE. | DATE - | 7/12/2013 | REVISED - | | SCALE; MULTS. SPEEL NO. 1 OF 1 SPEELS STA. 10 STA. | 11001100 | 2 Olyst 107 2 Judginosali co. 3 | |

| | | | | | 2 | 7 | A CONTRACTOR OF THE PERSONS ASSESSMENT | 5 6 | - Commence | | 9 | 10 1 | 112 | 2 13 | C | 15 | 16]} | 7 18 | 19 2 | 0 21 2 |
|---------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------------|--|--|--|
| | | | TOTAL | Anna Ser estatore et | to a tradeoff of the tradeoff of good | gar ^a g sahapaga anagag sa g | ******* | er enn megjenne så menerister är | C | ONS | TRU | JCT | ION | l C | ODE | 00 | 21 | vennen lemagemann | ar og skriven ar skriven ag ag krivesk | term and the gammage squares as ago |
| CODE | | Sand | OUANTITY | AV | | | | | | | | | | and an angle of the state of th | | | | | | |
| NUMBER | ITEM | of the state of th | | | | | | | | · | | L | JRB/ | ٩N | . Negrore Statement and against | | and a consistence | and a second | | and a strong age to show the same up a succession. |
| 86326646 | | | | The state of the s | - Appen | | an or many or han | - | Property occurred to the second | COLUMN TAME | a de la companya de l | | | | | - | ANALYS I WARREN | and the second | | |
| 88030240 | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED | EACH | 27 | 2 | - | 3 | | | - May come | | 2 | | | | | V LOVE OF THE PARTY OF THE PART | 2 | 1 | | - |
| 880 3 0510 | SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED | ACH CH | 1 . | *************************************** | | VII SEEMINE IN VESTAGO | | AND THE PARTY OF T | | TO THE PARTY OF TH | The William Co. Co. | | - 1 | | 100000000000000000000000000000000000000 | | | VOOR PP ON MANUAL AND | | NV special control to the control to |
| 88055150 | OPTICALLY PROGRAMMED SIGNAL HEAD, LED. 1-FACE. 3-SECTION, BRACKET MOUNTED | EACH | 6 | Perfect for the second | TO THE PERSON AND THE | halas e abbata de estada medigan de basilo | TO THE PARTY OF TH | | No. 2004 / Colored 100 Williams 118 Colores | | Seemen April 1995 | W | 4 | | | | | Andread and American and Americ | | THE PARTY AND TH |
| 88055160 | OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED | EACH | 19 | And the second s | e de de section de la campio e prominsionique depe | MATAGORISM AND STREET OF STREET, STREE | | 2 | And American Control of Street, | 2 | A. | The state of the s | 4 | | | | | 100000000000000000000000000000000000000 | VII VALENTA AVA TORI | Action and the state of the sta |
| 88055350 | OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED | EACH | | and the ball of the state of th | | TWO TO CANADA | | W V V / 10 1 1/1 W W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | AND THE ANTARCTON INC. | Committee of the commit | - | THE ROOM OF THE RO | | | The state of the s | | | A. C. | | And the second s |
| | | but a series of the series of | And the state of t | Control of | | AT A COLOR BASE AND A SECOND | | MATCHER STATE OF THE STATE OF T | | THE PARTY AND ANY PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE | * | | The state of the s | Taylor III | | | | | and the state of t | TATTE OF THE PROPERTY OF |
| 88060110 | COMBINATION SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED | EACH | 7 | | A PERSONAL PARTITIONS OF THE STREET | giran aturiyan i Ayê de işyiyê de geriye | TANKE OF TANKE OF THE PARTY OF THE PARTY. | ringen (gran) dentempelande jurigen | THE RESERVE TO SECURE | 2 Company Company and a company | 2 | and the state of t | K') | COTTON BOOM TO SECURE AND ADDRESS OF THE SEC | | A 101 A 201 | | - | | ne dang angkanganlano. Parigin |
| 88060390 | COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED. 2-3 SECTION, BRACKET MOUNTED | A A A | The same of the sa | And the state of t | авар балалашалда аруда дәуіп | en de militar e entre de proposition de part de manuel de parties de la companya de la companya de la companya | ARTY COLOR EST. System from the state of the color of the state of the | And the state of t | of the first production of the second | | The state of the s | PROFESSIONAL PROPERTY AND A PROPERTY OF SAME AS A PROPERTY OF | | | | | | Community Opening and the Law of the Management of Managem | | |
| 88102717 | PEDESTRIAN SIGNAL HEAD, LED. 1-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER | LACE THE | 124 | 6 | 2 | 6 | 6 | Meaning of the same of the sam | Con- | | 2 | *************************************** | 20 | 42 | 6 | 2 | 4 2 | 2 | | Avenue o Para Avenue a Avenue |
| 88102747 | PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER | E A C T | 19 | | A ward. | NAME OF TAXABLE PARTY OF TAXABLE PARTY. | THE I I CHECKED COME IN THE STREET OF THE STREET | COMMITTEE WAS AND ADD TO THE ADD THE ADD TO THE ADD TO THE ADD THE ADD THE ADD THE ADD THE ADD TO | Prode | TO MAKE THE WORLD TO LINES TO THE PARTY OF T | | - Lance | dynamic desired | V Comments and a second | 1 | arma arma sa mana sa m | | 20. | MATERIAL AND STATE OF THE STATE | 2 |
| 88200210 | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM | EACH | 266 | 57 | 8 | 4 | 6 | 9 | 4 | 22) | 8 | | 82 | 33 | 5 | 8 | 7 4 | 10 | 4 2 | THE CASE OF THE CA |
| 88800100 | PEDESTRIAN PUSH-BUTTON | EACH | 94 | ANTION ANTIPOLITIES AND ANTIPOLITIES ANTIPOLITIE | STRUMAN I A COMPANIA I BURNOLIMA NA ARABO | 6 | 2 | 4 | Andrew Commission of the Commi | 100000000000000000000000000000000000000 | 2 | | 22 | 42 | | | 4 2 | sama sa Wood Catananan maa sa s | 2 | 83 |
| 89592200 | MODIFY EXISTING CONTROLLER | | | ANTOLOGICA DA CARRA A RANGO POR LA RANGO POR | | 1 | | - | manufactured by the state of th | | · · | | 1 | | A LOCATION TO LOCATION TO A LO | | | | | 2011 2011 2011 2011 2011 2011 2011 2011 |
| 89502210 | MODIFY EXISTING CONTROLLER CABINET | EACH | 57 | jerani jerani jerani | | | 2 1 | 2 | and being the straight of the | 2 | 1 Visit | | 1 2 | 8 | 2 | | 1 | Towns of the contract of the c | Janes Pares | 2 |
| received the high of high | | The Fig. 1 | | and and annual a | - de relation de la constitución | an action in the same | C. The state of th | | H 44 AM MAN AN A | COLUMN TO SERVICE STATE OF THE | A CONTRACTOR OF THE PARTY OF TH | | 1. | 0 | < | The state of the s | J. Some | 1 | an fi | |
| 89502375 ** & | REMOVÉ EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 51 | 8 | 4174 | from the same of t | 2 1 | 2 | , <u>+</u> | 23 | 2 | 1 1 | guero. | 8 | 2 | } | 1 | \$ new \$ | \$111.4 \$111.4 | 5.5 |

FILE NAME *

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(SHEEET 3 OF 4)

SCALE: NUTS. SHEET NO. 1 OF 7 SHEETS STA.

TO STA.

| | | | | erani tenani | 2 | 3 4 | 5 | 6 | E Towns | 8 | 9 | | Amerik Periodi | 2 13 | 14 | 15 | 16 | 1711 | 3 19 | 50 51 | |
|-------------------|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|---|--|--|---------------------------------|---|------------|
| | | are in a second | | The first and th | | | | | C(| ONS | STŔL | JCT | [OI | V C | ODE | . 0 | 021 | - and agreement of the first of the state of | yang di manga kahanda matangana | | A11-5110-5 |
| 0005 | | Lance Company of Compa | TOTAL OUANTITY | and the second second | | | | ~ > > > | | ya, tama a, a, ya ya ya ya | TRA | \FF | IC | SI | GNA | L | chample when an experience | ., | | | F-1474 |
| CODE NUMBER | ITEM | A Verice controvers and from | TO A THE THOUGHT AND THE | | | THE PERSON NAMED OF THE OWNER, AS A SECOND NAMED OF THE OWNER, | nentere en ganta | 1-plant - 181 and 1-74 an | i i i i i i i i i i i i i i i i i i i | | garanty hart, again gyat aghadan | | URB | AN | | Togica (State of Constitution | a ja maijarka garanija mar kylingila | | AND THE PERSON OF STREET | 27771471471471411411411411411411411411411 | , marie |
| | | Annual V Adams Annual | | - | | | | | | | | -many du é mangada. | | |)————————————————————————————————————— | | | | | Total appearance | |
| X8620200 | UNINTERRUPTABLE POWER SUPPLY, SPECIAL | EACH | 57 | v.m.d | and a | 1 2 | 1 | 2 | 1,41-0, | 2 | 3 | | 2 1 | 2 8 | 2 | Work and | 4144 | 1 1 | 11 | 1 2 | _ |
| X8880015 | PEDESTRIAN PUSH-BUTTON. NON-LATCHING | EACH | 50 | 13 | R) | E | - | TO A P AND THE PARTY OF THE PAR | .63 | | | 5 | The second secon | THE REAL PROPERTY AND ADDRESS OF THE PERSON | 7 | (3,m) | | 4 | | 5 | 1 |
| 6 806040 2 | COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-1 SECTION, 1-3 SECTION, BRACKET MOUNTED | arte | almined a service of the service of | April of the state | THE SALE AND | - | Andrew Company of the | | THE THE PARTY OF T | 4 | commonweal age to make the party of the part | - Andrews of the Antropological and physicians | | And the second s | The state of the s | Transport for the state of the | A Vertical in Vivia distriction and an area of the second | | | | _ |
| | CAMBINATION CICNAL BEAD LEG 7 FACE 4 2 SECTION ADTICALLY | | | A VANDALIS AND A VAND | de la constante de la constant | The state of the s | - Volume and the second | TO THE PARTY OF TH | | | | | The state of the s | | 200 | | | | | | - |
| 98060407 | COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 2-5 SECTION, BRACKET MOUNTED | EACH | ECTATAL PROBLEMANT AND | - | | | 100 m 110 /000 00000 AN | The state of the s | | | - | SUPPLEATED BY SOUTH STREET | *************************************** | | Table de Angle de Colon de Anno | | | Manager of the second | | | - |
| 88060406 | COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION. 1-5 SECTION, BRACKET MOUNTED | LL. | Manufacture and the second sec | | THE FAX PROPERTY WAS ASSOCIATED AND PROPERTY OF | and the state of t | | | | A A CASE OF THE PARTY OF THE PA | manual Agents and the state of | Andreas of a standard are seen of the plant of a standard department of | - | - Company | | | - THE COLUMN TWO COLUMN TO THE COLUMN TWO COLUMN TWO COLUMN TO THE COLUMN TWO COLUMN TWO COLUMN TO THE COLUMN TWO COLU | - | | | |
| Z00766 <i>0</i> 4 | TRAINEES -TRAINING PROGRAM GRADUATE | HOUR | 500 | 500 | - | | | - | American Action | October 1 | | | | TOTAL CANADA CAN | Anna comme | a delicate per | TO DO NOT THE PARTY OF | | | | - |

00042 TRAINEES

FILE NAME *

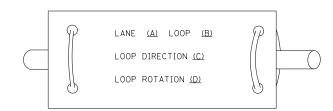
V.

| F.A.P. | SECTION | COUNTY | SHEETS | NO. |
| VAR. | 2013-036TS | COOK | 76 | 07 |
| CONTRACT NO. 60W82 |
| FEO. ROAD DIST. NO. | ILLINOIS| FEO. AID PROJECT

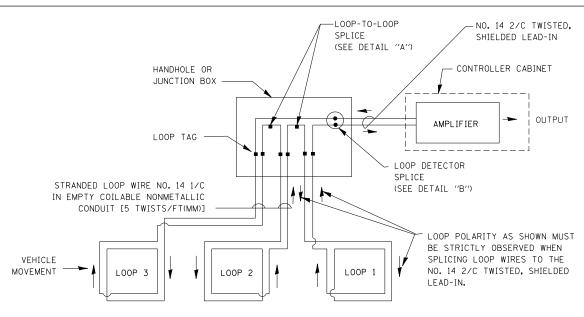
LOOP DETECTOR NOTES

- 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.
- 7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE 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

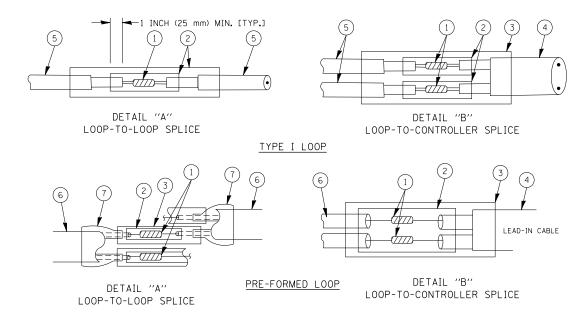


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



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.



LOOP DETECTOR SPLICE

- (1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- (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.
- (4) NO. 14 2/C TWISTED, SHIELDED CABLE.
- (5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- (6) PRE-FORMED LOOP

STALF:

7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

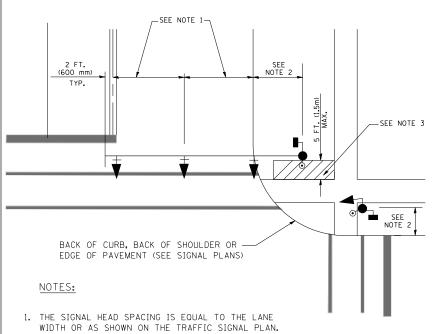
| FILE NAME = | USER NAME = kanthaphixaybc | DESIGNED | - | DAD | REVISED | - | Τ |
|---|-----------------------------|----------|---|----------|---------|---|---|
| c:\pw_work\PWIDOT\KANTHAPHIXAYBC\d01126 | 4\traffic_legend_v7.dgn | DRAWN | - | BCK | REVISED | - | |
| | PLOT SCALE = 20.0000 '/ IN. | CHECKED | - | DAD | REVISED | - | |
| | PLOT DATE = 10/6/2009 | DATE | - | 10/28/09 | REVISED | - | |

| STATE | OF ILL | INOIS |
|--------------|--------|-------------|
| DEPARTMENT (| OF TRA | NSPORTATION |

| | DISTRICT | ONE | | F.A.P RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------|-------------------------|-----------|---------|---------------|-------------------------------|-------------|-----------------|--------------|
| TANDARD |) TRAFFIC SIGNA | BESTON | DETAILS | VAR. | 2013-036TS | COOK | 71 | 08 |
| TANDANL | J INALLIC SIGNA | AL DESIGN | DLIAILS | | | CONTRACT | NO. 60 |)W82 |
| 9 | SHEET NO. 1 OF 6 SHEETS | STA. | TO STA. | FED. RC | DAD DIST. NO. ILLINOIS FED. | AID PROJECT | | |

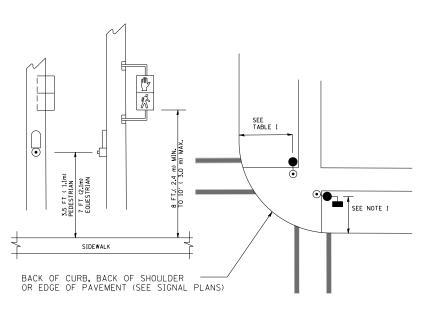
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

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



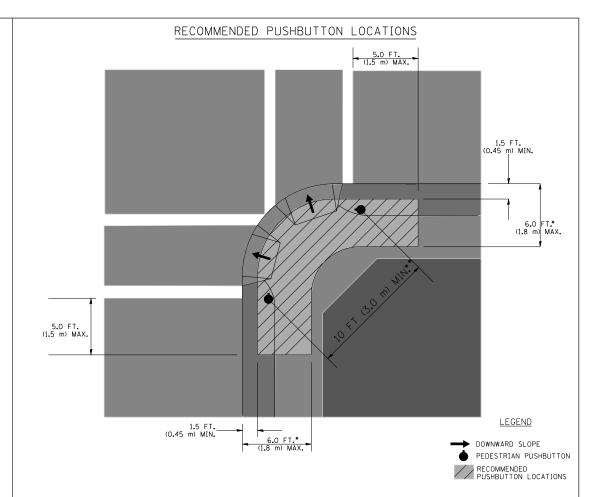
- 2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- 3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
- 4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO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

PEDESTRIAN SIGNAL POST 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 BUILDINGS AND FACILITIES."



- 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.
- 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.
- 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.
- . 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. |

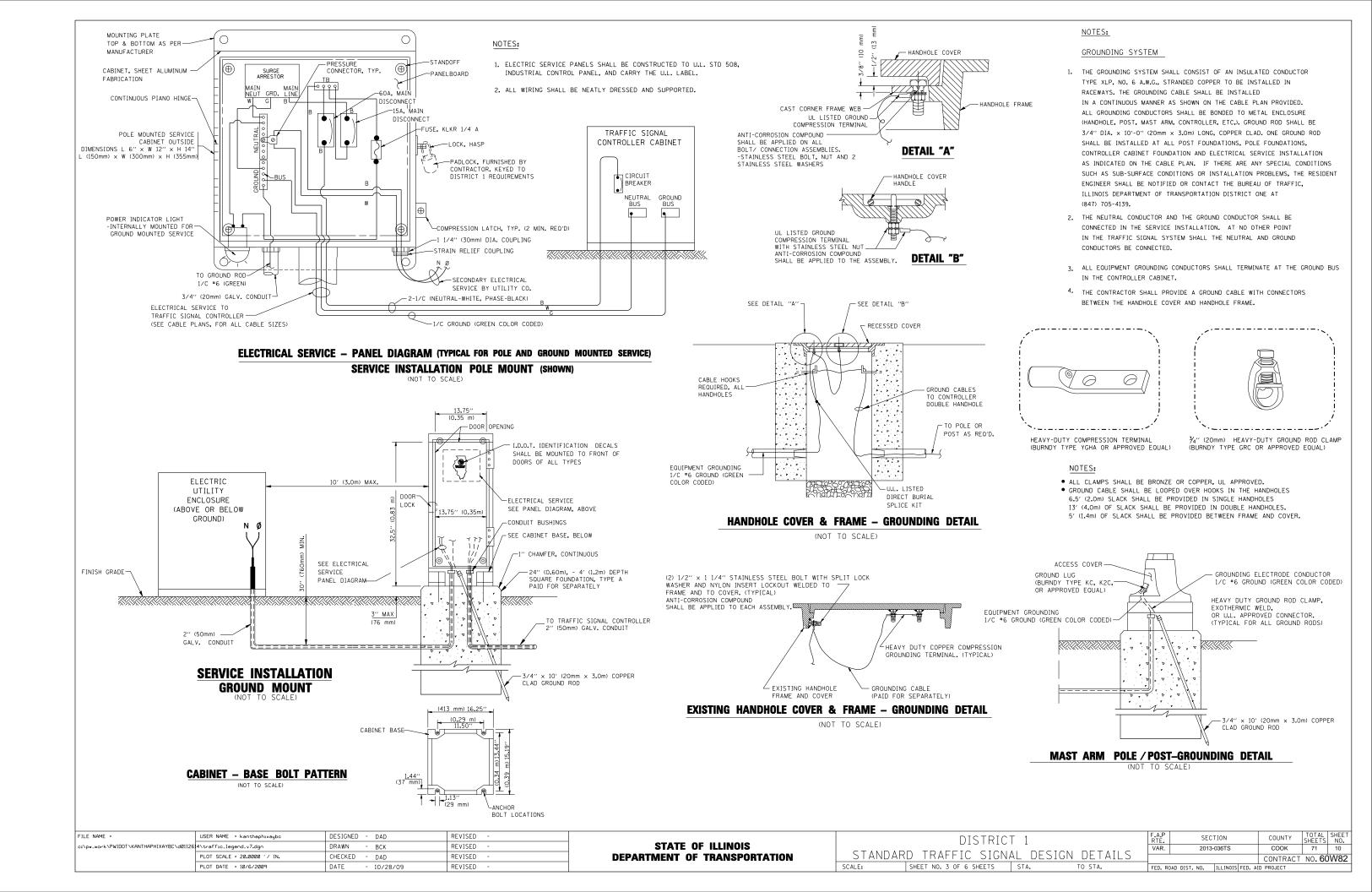
NOTES:

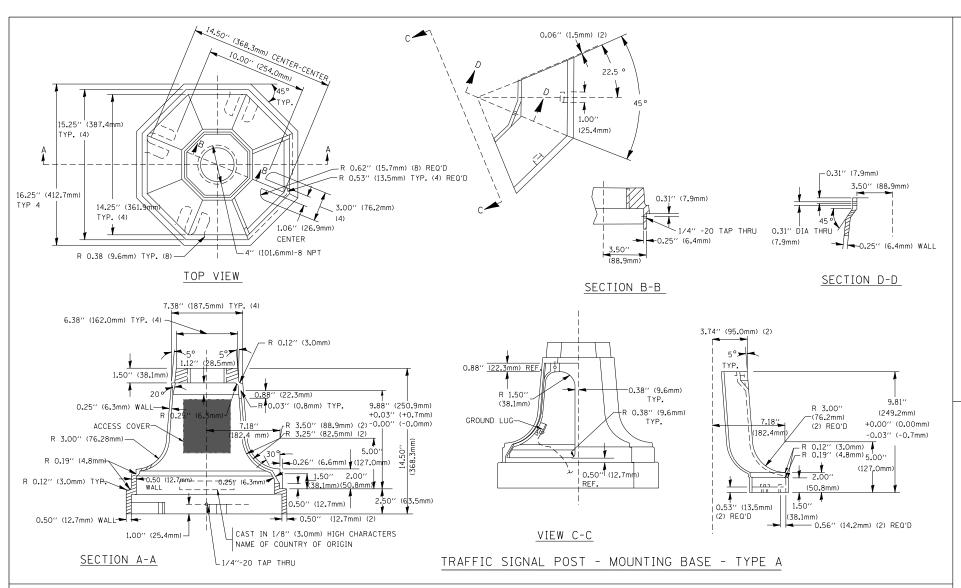
- 1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
- 2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
- 3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE 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.

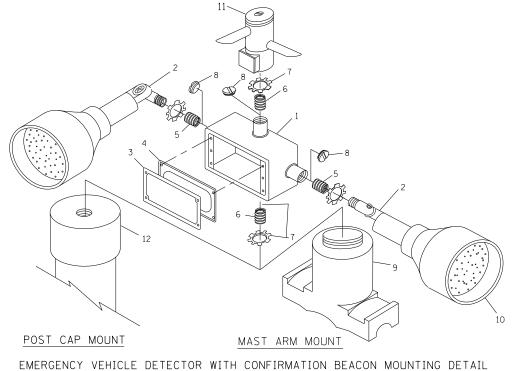
DESIGNED - DAG REVISED FILE NAME : USER NAME = kanthaphixaybo c:\pw_work\PWIDOT\KANTHAPHIXAYBC\d0112614\traffic_legend_v7.dgr DRAWN REVISED - BCK CHECKED REVISED LOT SCALE = 20.0000 '/ IN. - DAD PLOT DATE = 10/6/2009 DATE - 10/28/09 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

| | | DISTRICT | 1 | | F.A.P RTE. | SEC. | TION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------|-------------------------|----------|---------|---------------|--------------|------------------|-----------|-----------------|--------------|
| | CIVIDVD | TDAFFIC CICNA | - DECION | DETAILC | VAR. | 2013-0 | 036TS | COOK | 71 | 09 |
| ı | STANDARL |) TRAFFIC SIGNA | L DESIGN | DETAILS | | | | CONTRACT | NO. 60 |)W82 |
| | SCALE: | SHEET NO. 2 OF 6 SHEETS | STA. | TO STA. | FED. RO | AD DIST. NO. | ILLINOIS FED. AI | D PROJECT | | |



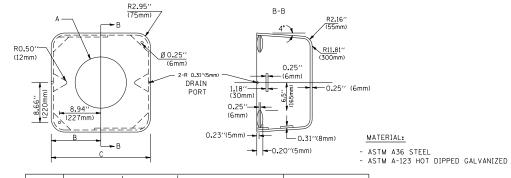




| ITEM | NO. IDENTIFICATION |
|------|---|
| 1 | OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M) |
| 2 | LAMP HOLDER AND COVER |
| 3 | OUTLET BOX COVER |
| 4 | RUBBER COVER GASKET |
| 5 | REDUCING BUSHING |
| 6 | ¾('(19 mm) CLOSE NIPPLE |
| 7 | ¾′′(19 mm) LOCKNUT |
| 8 | ¾′′(19 mm) HOLE PLUG |
| 9 | SADDLE 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
- 2. 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 ¾"(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.

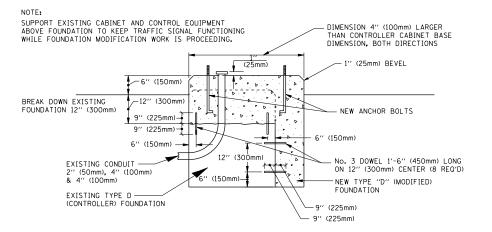


| А | В | С | HEIGHT | WEIGHT |
|--------|---------------|--------------|--------------------------|-----------------|
| VARIES | 9.5′′(241mm) | 19''(483mm) | 7" (178mm) - 12" (300mm) | 53 lbs (24kg) |
| VARIES | 10.75"(273mm) | 21.5"(546mm) | 7" (178mm) - 12" (300mm) | 68 lbs (31 kg) |
| VARIES | 13.0"(330mm)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

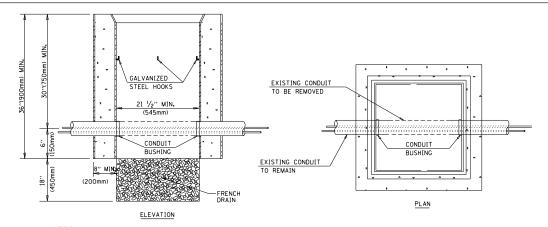
SHROUD

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.



MODIFY EXISTING TYPE "D" FOUNDATION

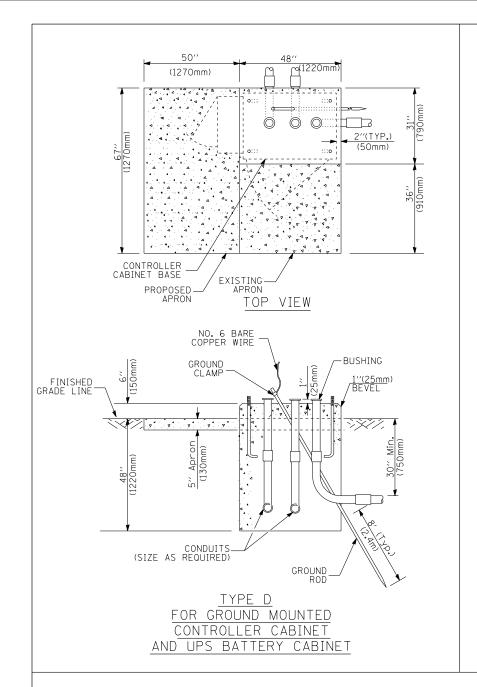


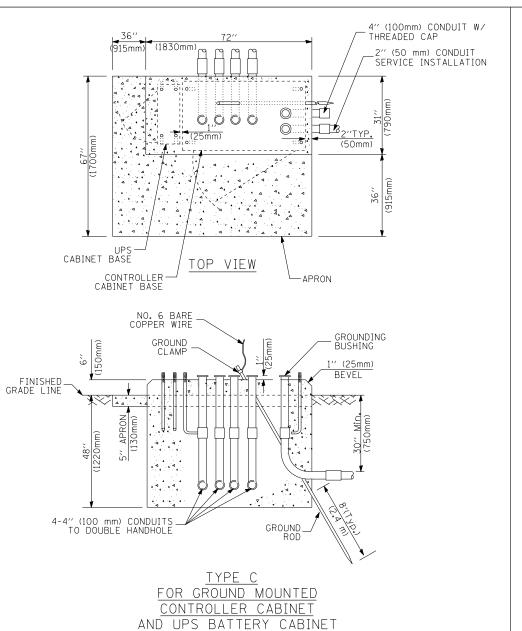
NOTES:

- 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 INCIDENTAL TO THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

| FILE NAME = | USER NAME = kanthaphixaybc | DESIGNED - DAG | REVISED - | | | DISTRICT | - 1 | | F.A.P | SECTION | COUNTY | TOTAL SHEET |
|---|-----------------------------|-----------------|-----------|------------------------------|---------|-------------------------|----------|-----------|-------------------|-------------------|------------|-------------|
| c:\pw_work\PWIDOT\KANTHAPHIXAYBC\dØ1126 | 4\traffic_legend_v7.dgn | DRAWN - BCK | REVISED - | STATE OF ILLINOIS | | | | | VAR. | 2013-036TS | соок | 71 11 |
| | PLOT SCALE = 20.0000 '/ IN. | CHECKED - DAD | REVISED - | DEPARTMENT OF TRANSPORTATION | STANDAR | RD TRAFFIC SIGNA | AL DESIG | N DETAILS | | | CONTRACT | T NO. 60W82 |
| | PLOT DATE = 10/6/2009 | DATE - 10/28/09 | REVISED - | | SCALE: | SHEET NO. 4 OF 6 SHEETS | STA. | TO STA. | FED. ROAD DIST. N | . ILLINOIS FED. A | ID PROJECT | |





| 65" (SEE NOTE 4) (1651mm) 49" (SEE NOTE 3) |
|--|
| 16" 44" (406mm) (1118mm) (1118mm) |
| |
| 2/2" (64mm) (64mm) (25mm) (25m |
| 7 + 1 - N · · · · · · · · · · · · · · · · · · |
| 2" × 6" (51mm × 152mm) WOOD FRAMING (TYP.) |
| |
| q==== |
| |
| TRAFFIC SIGNAL CONTROLLER CABINET |
| |
| UPS → CABINET |
| 3/4" (19mm) TREATED PHYWOOD DECK |
| 2" × 6" (51mm × 152mm) TREATED WOOD |
| . 305mm) 12° MIN. 305mm) |
| |
| |
| |
| NOTES: |
| BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED. |

- ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- 2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" \times 25" (406mm \times 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 |
| MAST ARM | 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 |

CABLE SLACK

| 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

| FOUNDATION | DEPTH |
|---|---------------|
| TYPE A - Signal Post | 4'-0" (1.2m) |
| TYPE C - CONTROLLER W/ UPS | 4'-0" (1.2m) |
| TYPE D - CONTROLLER | 4'-0'' (1.2m) |
| SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE | 4'-0'' (1.2m) |

DEPTH OF FOUNDATION

| Mast Arm Length | ① 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) |

NOTES:

- 1. 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 (Ou) > 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 design if other conditions are accountered. design if other conditions are encountered.
- 2. Combination most 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

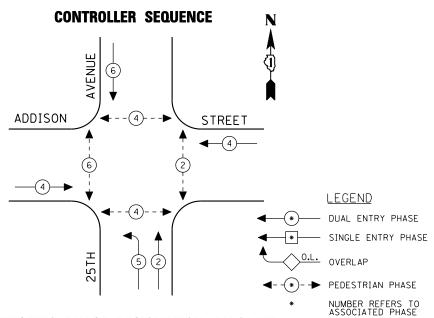
| FILE NAME = | USER NAME = kanthaphixaybc | DESIGNED - DAG | REVISED | - | |
|---|-----------------------------|----------------|-------------|---|--|
| c:\pw_work\PWIDOT\KANTHAPHIXAYBC\d01126 4\traffic_legend_v7.dgn | | DRAWN - BCK | REVISED | - | |
| | PLOT SCALE = 20.0000 '/ IN. | CHECKED - DAD | REVISED | - | |
| | PLOT DATE = 10/6/2009 | DATE - 10/28/ | /09 REVISED | - | |

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

| _ | | | | | | | | | |
|---|---------------|-------------------------|------|---------------|---------|---------------------------------|------------|-----------------|--------------|
| | DISTRICT 1 | | | | | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | STANDAR | D TRAFFIC SIGN. | AI D | ESIGN DETAILS | VAR, | 2013-036TS | COOK | 71 | 12 |
| | 9171111111111 | 11001110 91010 | | LJION DETAILS | | | CONTRACT | NO. 60 |)W82 |
| | SCALE: | SHEET NO. 5 OF 6 SHEETS | STA. | TO STA. | FED. RO | DAD DIST. NO. ILLINOIS FED. A | ID PROJECT | | |

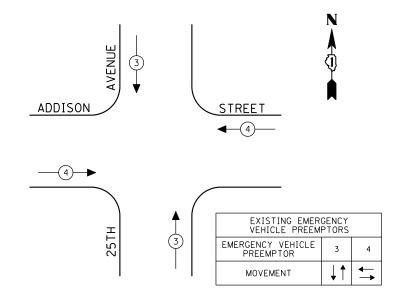
TRAFFIC SIGNAL LEGEND

| ITEM | REMOVAL | EXISTING | PROPOSED | ITEM | REMOVAL | EXISTING | PROPOSED | ITEM | REMOVAL | EXISTING | PROPOSED |
|--|-------------------------|-------------------------------|--------------------|--|----------------------|---|--------------------------|--|---------------|-------------------------------|-----------------------|
| CONTROLLER CABINET | \bowtie^R | \bowtie | | EMERGENCY VEHICLE LIGHT DETECTOR | R≪ | \bowtie | ~ | ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE | | | |
| AILROAD CONTROL CABINET | | R H | | CONFIRMATION BEACON | R_{o-0} | $\circ\!\!-\!\!\!\!-\!\!\!\!\!-\!\!\!\!\!\!\!\!\!-$ | •• | | | ~ | |
| DMMUNICATIONS CABINET | C C R | E C C | СС | HANDHOLE | R | | | COAXIAL CABLE | | —(c)— | <u> </u> |
| ASTER CONTROLLER | | EMC | MC | | R | | | VENDOR CABLE FOR CAMERA | | | |
| ASTER MASTER CONTROLLER | R | ЕММС | MMC | HEAVY DUTY HANDHOLE | D | H | H | COPPER INTERCONNECT CABLE, | | | |
| NINTERRUPTIBLE POWER SUPPLY | UPS | EUPS | UPS | DOUBLE HANDHOLE | [™] ⊠⊃ R | | | NO. 18 3 PAIR TWISTED, SHIELDED | | <u> </u> | <u>—6</u> — |
| RVICE INSTALLATION,) POLE OR (G) GROUND MOUNT | -□- ^R | - <u>-</u> - | - ■ | JUNCTION BOX GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P) | (a) | <u> </u> | | FIBER OPTIC CABLE NO. 62.5/125, MM12F | | —(12F)— | |
| ELEPHONE CONNECTION) POLE OR (G) GROUND MOUNT | R | P | P | TEMPORARY SPAN WIRE, TETHER WIRE, | R | | | FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F | | —24F | —24F— |
| FEEL MAST ARM ASSEMBLY AND POLE | R | 0 | • | AND CABLE | | | | | | , | |
| UMINUM MAST ARM ASSEMBLY AND POLE | R | 0 | | COMMON TRENCH | | | СТ | FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE | | - | |
| EEL COMBINATION MAST ARM SEMBLY AND POLE WITH LUMINAIRE | R _{O→} ¤—— | 0-× | • × | COILABLE NONMETALLIC CONDUIT (EMPTY) SYSTEM ITEM | | c | CNC S | NOTED ON PLANS) GROUND ROD AT (C) CONTROLLER, | | , | |
| EEL COMBINATION MAST ARM | RQ | Q | • | INTERSECTION ITEM | | 3 | IP | (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE | | C | ^C -• |
| SEMBLY AND POLE WITH PTZ CAMERA | PTZD | PZI | PTZ | REMOVE ITEM | R | 1 | 11 | CONTROLLER CABINET AND | RCF | | |
| GNAL POST | R O | 0 | • | RELOCATE ITEM | RL | | | FOUNDATION TO BE REMOVED | \bowtie | | |
| EMPORARY WOOD POLE (CLASS 5 OR ETTER) 45 FOOT (13.7m) MINIMUM | $\overset{R}{\otimes}$ | \otimes | | ABANDON ITEM | А | | | STEEL MAST ARM POLE AND | RMF | | |
| Y WIRE | >R | > | > | 12" (300mm) TRAFFIC SIGNAL SECTION | | R | R | FOUNDATION TO BE REMOVED ALUMINUM MAST ARM POLE AND | | | |
| GNAL HEAD | | > | - | 12" (300mm) RED WITH 8" (200mm) | | (R) | | FOUNDATION TO BE REMOVED | RMF | | |
| GNAL HEAD CONSTRUCTION STAGES JMBERS INDICATE THE CONSTRUCTION STAGE) | | | - | YELLOW AND GREEN TRAFFIC SIGNAL FACE | | | | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND | RMF O-X | | |
| GNAL HEAD WITH BACKPLATE | +\(\sigma\) | +⊳ | + | | | (R) | R | FOUNDATION TO BE REMOVED | | | |
| GNAL HEAD OPTICALLY PROGRAMMED | R —⊠"P" | - (> ′′p′′ | -▶ "P" | SIGNAL FACE | | | G | SIGNAL POST AND FOUNDATION TO BE REMOVED | RMF | | |
| ASHER INSTALLATION DENOTES SOLAR POWER) | R O- ├ >''F'' | O-t>"F" | ●► "F" | | | 1 | ∢ Y ∢ G | INTERSECTION & SAMPLING (SYSTEM) DETECTOR | | | IS |
| DESTRIAN SIGNAL HEAD | R -∏ | -0 | - | | | R | R | SAMPLING (SYSTEM) DETECTOR | | [5] | S |
| DESTRIAN PUSHBUTTON DETECTOR | R | © | • | SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD | | (S) | Y | EXISTING INTERSECTION LOOP DETECTOR | | [<u>P</u>] | 5 |
| CESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR | R | @APS | APS | | | 4 9 | ◆ Y ◆ G | PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECT | OR | L'_' | |
| LUMINATED SIGN | R | | | | | "P" | "P" | EXISTING PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECT | OR | PP | |
| IO LEFT TURN'' | | | • | 12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL | | (W) W | | PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR | | PIS | PIS |
| LUMINATED SIGN IO RIGHT TURN'' | R | | ® | 12" (300mm) PEDESTRIAN SIGNAL HEAD | | ~ | | | | PS | ₽S. |
| TECTOR LOOP, TYPE I | | r=1 | | INTERNATIONAL SYMBOL, OUTLINED | | | | PREFORMED SAMPLING (SYSTEM) DETECTOR | | 1-21 | [F2] |
| | | 99 j | □ | 12" (300mm) PEDESTRIAN SIGNAL HEAD | | (| P | DAUDOAD | CVMAD | OI C | |
| REFORMED DETECTOR LOOP | | ↑- ↑ | Р | INTERNATIONAL SYMBOL, SOLID | | | * | RAILROAD | 9 LINID | nr9 | |
| CROWAVE VEHICLE SENSOR | R [M] | [M] | M | PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER | | (((((((((((((| ₽ C ★ D | | | EXISTING | PROPOSED |
| DEO DETECTION CAMERA | R [V]⊅ | ∇ | \bigcirc | RADIO INTERCONNECT | ##*O | ##+0 | | RAILROAD CONTROL CABINET | | R B | B B |
| DEO DETECTION ZONE | | | | | R ERR | · | 1. | RAILROAD CANTILEVER MAST ARM | | X OX X X | XeX X |
| N, TILT, ZOOM CAMERA | R [PTZ](1 | PZ1 | ₽īZ¶ | RADIO REPEATER DENOTES NUMBER OF CONDUCTORS, ELECTRIC | [FKK] | ERR | RR | FLASHING SIGNAL | | $\boxtimes \ominus \boxtimes$ | X ⊖ X |
| | R(W) | _ | (W) | CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED | | | | CROSSING GATE | | X0 X> | X 0 X - |
| RELESS DETECTOR SENSOR | R | (W) | | GROUND CABLE IN CONDUIT | | (1) | | CROSSBUCK | | ≥ | >< |
| IRELESS ACCESS POINT | | | | NO. 6 SOLID COPPER (GREEN) | | | | | le se l | | TOT |
| NAME = USER NAME = kanthaphi _work\PWIDOT\KANTHAPHIXAYBC\d01126 4\traffic.legend_v7.dgn | | SIGNED - DAG/BCK AWN - BCK | REVISED REVISED | STATE | | | | DISTRICT 1 | F.A.P RTE. | SECTION | COUNTY TOTA |



EXISTING PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



| TRAF ELECTR | TOTAL | | | | | | | | | |
|---|----------------------------------|----------|-----|------------|----------------|--|--|--|--|--|
| TYPE | NO LAMPS : | WATT | | %OPERATION | WATTAGE | | | | | |
| | | INCAND. | LED | | | | | | | |
| SIGNAL (RED) | 14 | 135 | 17 | 0.50 | 119 | | | | | |
| (YELLOW) | 14 | 135 | 25 | 0.25 | 87 . 5 | | | | | |
| (GREEN) | 14 | 135 | 15 | 0.25 | 52 . 5 | | | | | |
| ARROW | 4 | 135 | 12 | 0.10 | 4.8 | | | | | |
| PED. SIGNAL | 8 | 90 | 25 | 1.00 | 200 | | | | | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | | | | | |
| ILLUM. SIGN | | 84 | | 0.05 | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| FLASHER | | 135 | 25 | 0.50 | | | | | | |
| ENERGY COSTS T | 0: | | | TOTAL = | 563 . 8 | | | | | |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | | | | | | |
| ENERGY SUPPLY | ENERGY SUPPLY CONTACT: XXX XXXXX | | | | | | | | | |
| | PHONE: (XX) | () XXX-X | XXX | | | | | | | |

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 8 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 8 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

CABLE PLAN

(NOT TO SCALE)

NO. 20-

R Y G

> C

ADDISON ST

(c)(>)(o)

€0 9 • 3 • 3

AVE

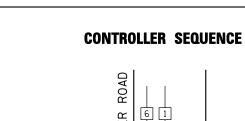
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

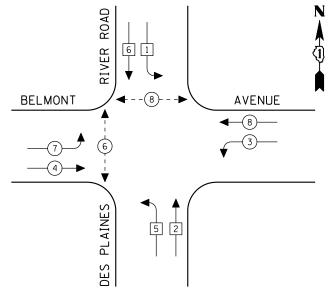
EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED PEDESTRIAN PUSH-BUTTON EACH

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 10960 FRANKLIN PARK

| | COMPANY: COMMONWEALTH EDISON | | | | | | | FRA | ANKLIN P | 'ARK |
|-------------|------------------------------|------------------|-----------|------------------------------|--|-------------|-----------------------|----------|----------|--------------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | SCHEDULE OF QUANTITIES, CABLE PLAN. | F.A.P. | SECTION | COUNTY | TOTAL | SHEET NO. |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE | VAR. | 2013-036TS | СООК | 76 | 14 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | ADDISON ST AT 25TH AVENUE | | | CONTRACT | T NO. 60 | JW82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | FED. ROAD D | IST. NO ILLINOIS FED. | | | |





LEGEND **◆ W * DUAL ENTRY PHASE**

EXISTING PHASE DESIGNATION DIAGRAM

SCHEDULE OF QUANTITIES

| QUANTI | TY UNIT | <u>ITEM</u> |
|--------|---------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 8 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNT DOWNTIMER |
| 10 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| 3 | EACH | PEDESTRIAN PUSH-BUTTON, NON-LATCHING |
| | | |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 8 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|----|---------|--|
| 2 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED |
| 10 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 7 | E A CII | DEDECTRIAN DUCH BUTTON |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

PUSH-BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.

TS# 4205 FRANKLIN PARK

INTERCONNECT TO
FOREST PRESERVE DRIVE

1 TRACER CABLE

-NO. 6

d⊢li∙ MA

FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED \$FILEL\$ DRAWN EA, EB REVISED CHECKED PKG REVISED DATE 7/12/2013 PLOT DATE = \$DATE\$ REVISED

TOTAL =

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

| | : | | | QUANTITIES, | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|-------|---------|------|-------------|---------|------------|----------------|------------------------------|------------|-----------------|--------------|
| AND PHASE DESIGNATION DIAGRAM DES PLAINES RIVER ROAD AT BELMONT AVENUE | | | | | VAR. | 2013-036TS | СООК | 76 | 15 | | |
| | DES | PLAINES | NIVE | A NUAD AI | DELIMON | AVERUE | | | CONTRACT | NO. 6 | OW82 |
| | SHEET | NO. | OF | SHEETS | STA. | TO STA. | FED. RO | DAD DIST. NO ILLINOIS FED. A | ID PROJECT | | |

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS TOTAL WATTAGE WATTAGE %OPERATION TYPE NCAND. LED (YELLOW) (GREEN)

PED. SIGNAL CONTROLLER ILLUM. SIGN

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION

201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX

PHONE: (XXX) XXX-XXXX COMPANY: COMMONWEALTH EDISON

SINGLE ENTRY PHASE → PEDESTRIAN PHASE NUMBER REFERS TO ASSOCIATED PHASE

INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

MA

BELMONT AVENUE დ ≻ ს

24

P.B. "C"

INTERCONNECT TO

R Y 0 ₹ 3

ದ ≻ ದ ROAD В RIVER

SAMPLING (SYSTEM)

_NO. 6

(5)

*

₹0≺¤

೧ ≺ ಸ

PUSH-BUTTON NOTE:

INTERSECTION AND SAMPLING (SYSTEM)

DETECTORS

R Y G

\ \ \ \ \ \

CABLE PLAN

(NOT TO SCALE)

←R **←**Y **←**G

DETECTORS

 \bigcirc

AINES.

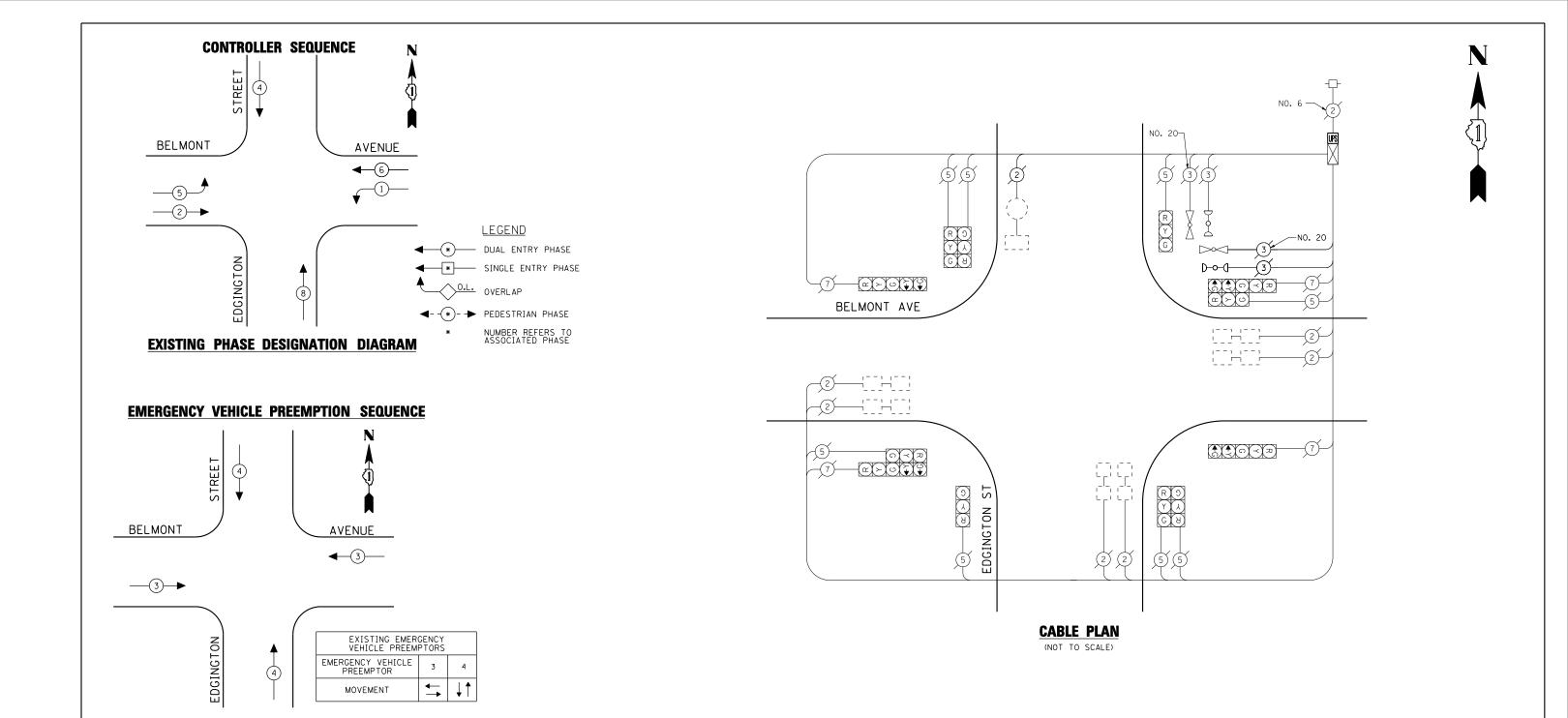
٦ DES

SCALE: N.T.S.

(CCTV CAMERA)

4 TWISTED PAIR # 18

PEDESTRIAN PUSH BUTTON EACH



TOTAL WATTAGE WATTAGE **OPERATION TYPE ÎNCAND. LED (YELLOW) (GREEN) ARROW
PED. SIGNAL
CONTROLLER
ILLUM. SIGN 9.6

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS

ENERGY COSTS TO: TOTAL = ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX PHONE: (XXX) XXX-XXXX SCHEDULE OF QUANTITIES

<u>UNIT</u> <u>ITEM</u> QUANTITY EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

EACH

EACH

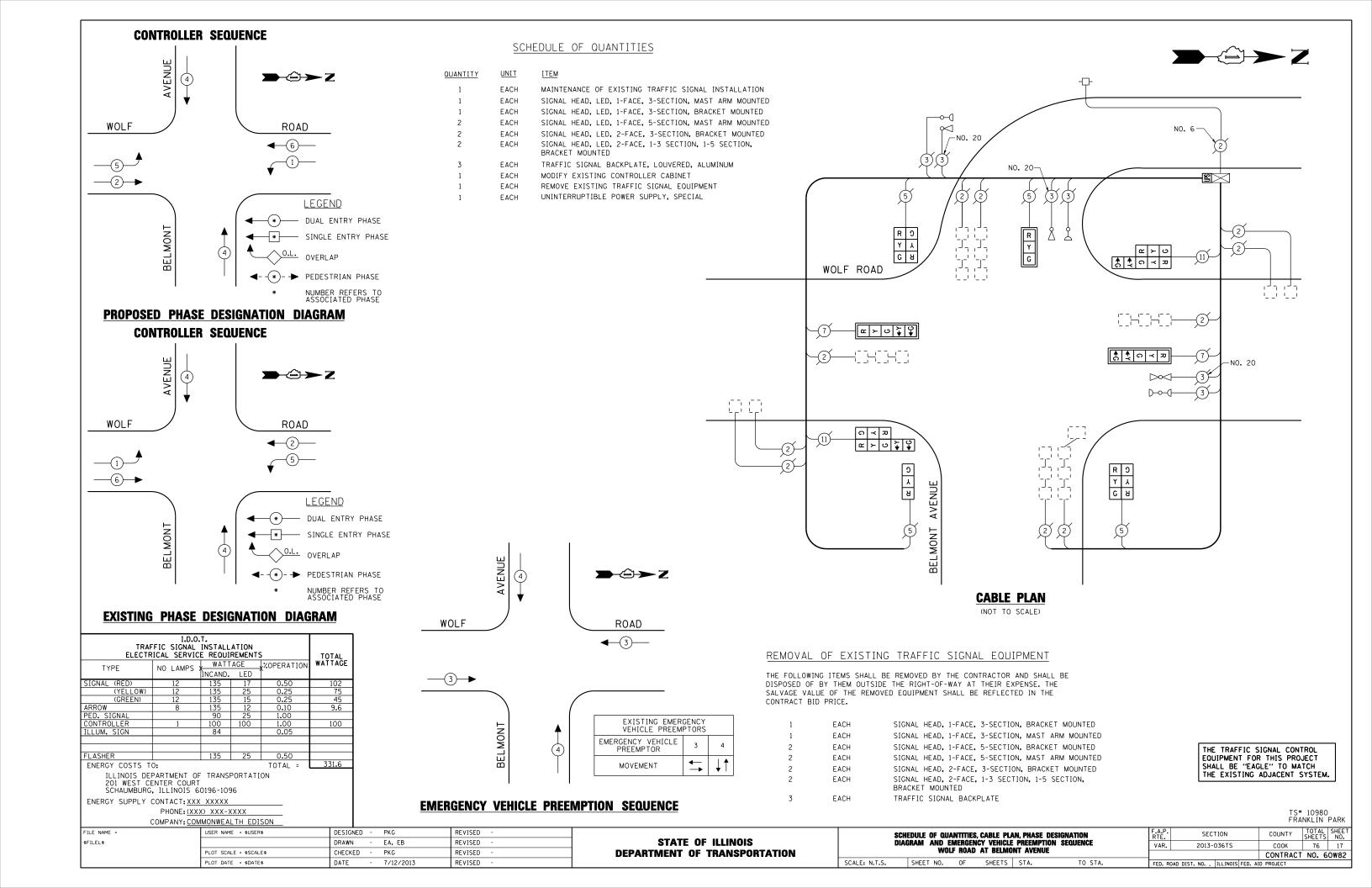
MODIFY EXISTING CONTROLLER CABINET

UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

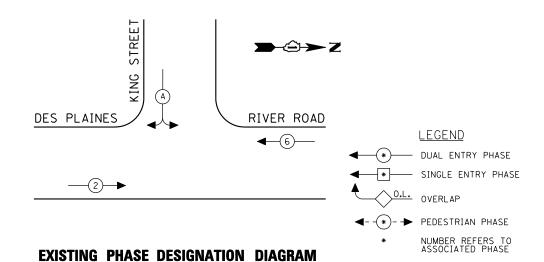
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

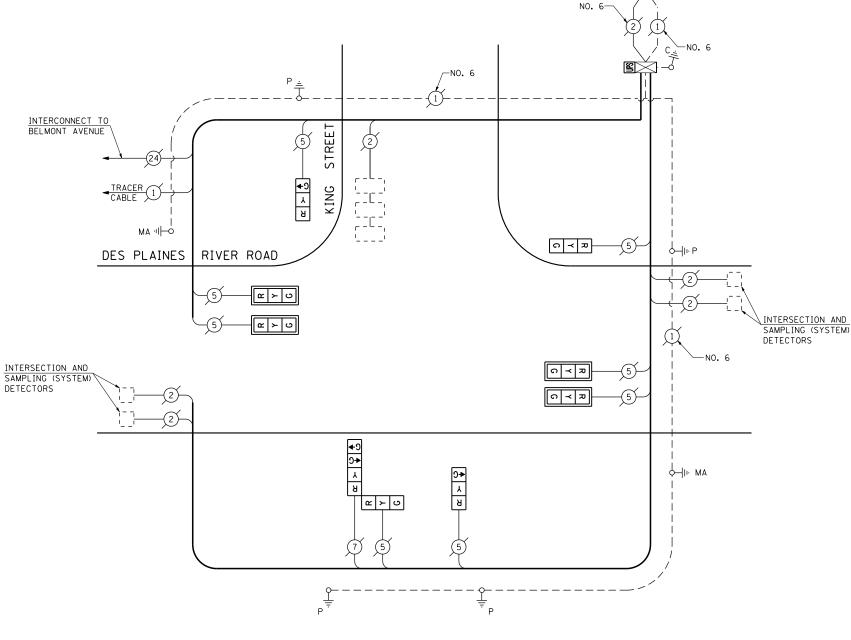
TS# 10965 FRANKLIN PARK

| | COMPANY: COMMONWEALTH EDISON | | | | | | | FR. | RANKLIN PARK |
|-------------|------------------------------|------------------|-----------|------------------------------|--|--------|--------------------------|----------------|--------------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | SCHEDULE OF QUANTITIES, CABLE PLAN, | F.A.P. | SECTION | COUNTY | TOTAL SHEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE | VAR. | 2013-036TS | соок | 76 16 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | BELMONT AVENUE AT EDGINGTON STREET | | | | T NO. 60W82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | FED. R | OAD DIST. NO ILLINOIS FE | D. AID PROJECT | |



CONTROLLER SEQUENCE





CABLE PLAN

(NOT TO SCALE)

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS TOTAL WATTAGE WATTAGE **OPERATION TYPE INCAND. LED (YELLOW) (GREEN) PED. SIGNAL CONTROLLER ILLUM. SIGN ENERGY COSTS TO: TOTAL = ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNI T</u> | ITEM |
|----------|--------------|--|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

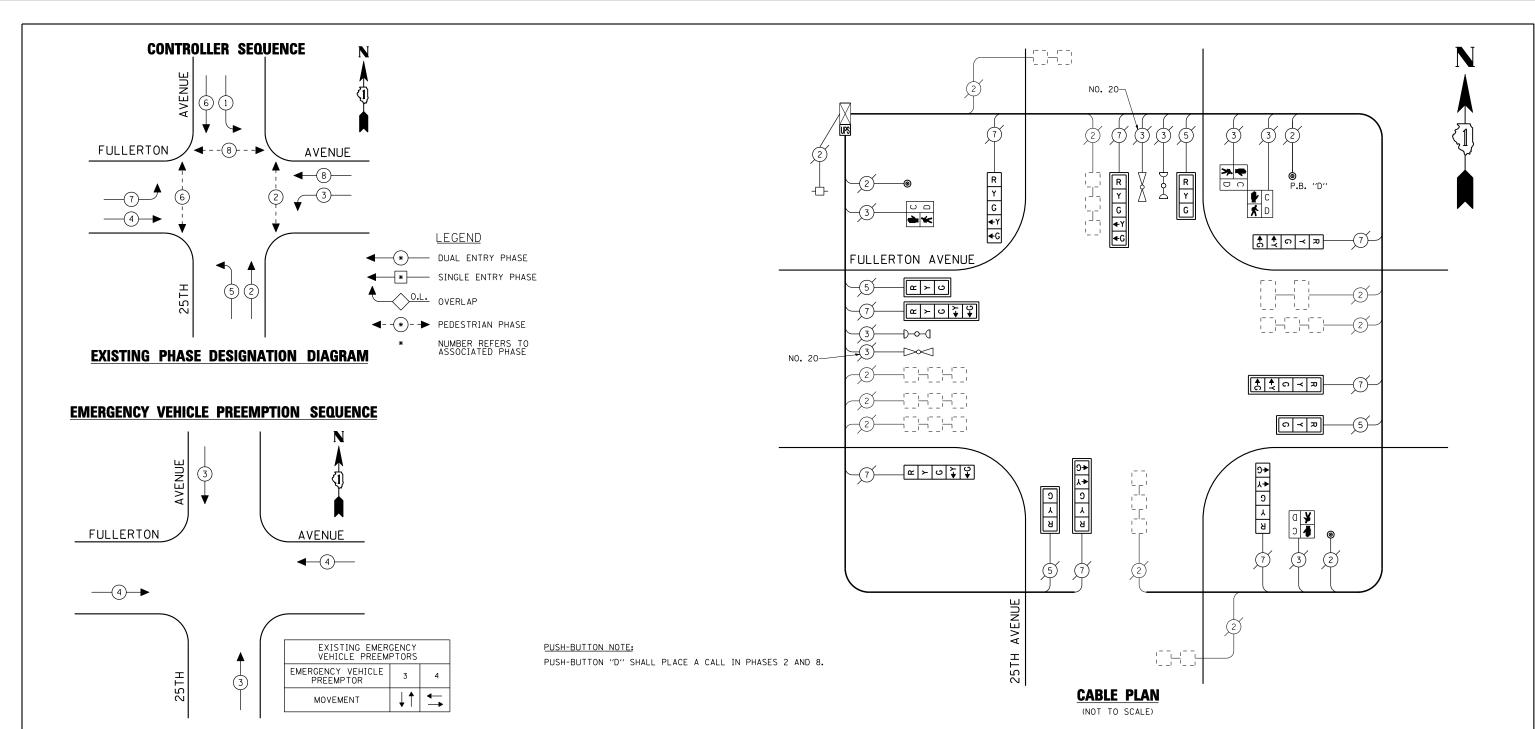
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 4 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|---|
| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 1-3-SECTION, 1-4 SECTION, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 11040 FRANKLIN PARK

| | COMPANY: COMMONWEALTH EDISON | | | | | | | | | | | FR | ANKLIN | PARK |
|-------------|------------------------------|------------------|-----------|------------------------------|---------------|--------------|-------------|----------------|---------|----------|------------------------|----------------|---------|-------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHEDULE (| OF QUANTITI | ES. CABLE PLAN | | F.A.P. | SECTION | COUNTY | TOTAL | SHEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | | | | ION DIAGRAM | | VAR. | 2013-036TS | СООК | 76 | 18 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | DES PLAINES | RIVER ROAD | AT KING STREE | ET | | | CONTRAC | T NO. 6 | OW82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. OF | SHEETS | STA. | TO STA. | FED. ROA | D DIST. NO ILLINOIS FE | D. AID PROJECT | | |



| TRAF ELECTR | TOTAL | | | | | |
|---|--------------------------|---------------|-----|------------|---------|--|
| TYPE | NO LAMPS : | WATT | | %OPERATION | WATTAGE | |
| | | ÎNCAND. LED Î | | | | |
| SIGNAL (RED) | 12 | 135 | 17 | 0.50 | 102 | |
| (YELLOW) | 12 | 135 | 25 | 0.25 | 75 | |
| (GREEN) | 12 | 135 | 15 | 0.25 | 45 | |
| ARROW | 16 | 135 | 12 | 0.10 | 19.2 | |
| PED. SIGNAL | 4 | 90 | 25 | 1.00 | 100 | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | |
| ILLUM. SIGN | | 84 | | 0.05 | | |
| | | | | | | |
| | | | | | | |
| FLASHER | | 135 | 25 | 0.50 | | |
| ENERGY COSTS T | ENERGY COSTS TO: TOTAL = | | | | | |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | | |
| ENERGY SUPPLY | CONTACT: XXX | XXXXX | | | | |

PHONE: (XXX) XXX-XXXX

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| 3 | EACH | PEDESTRIAN PUSH-BUTTON, NON-LATCHNG |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

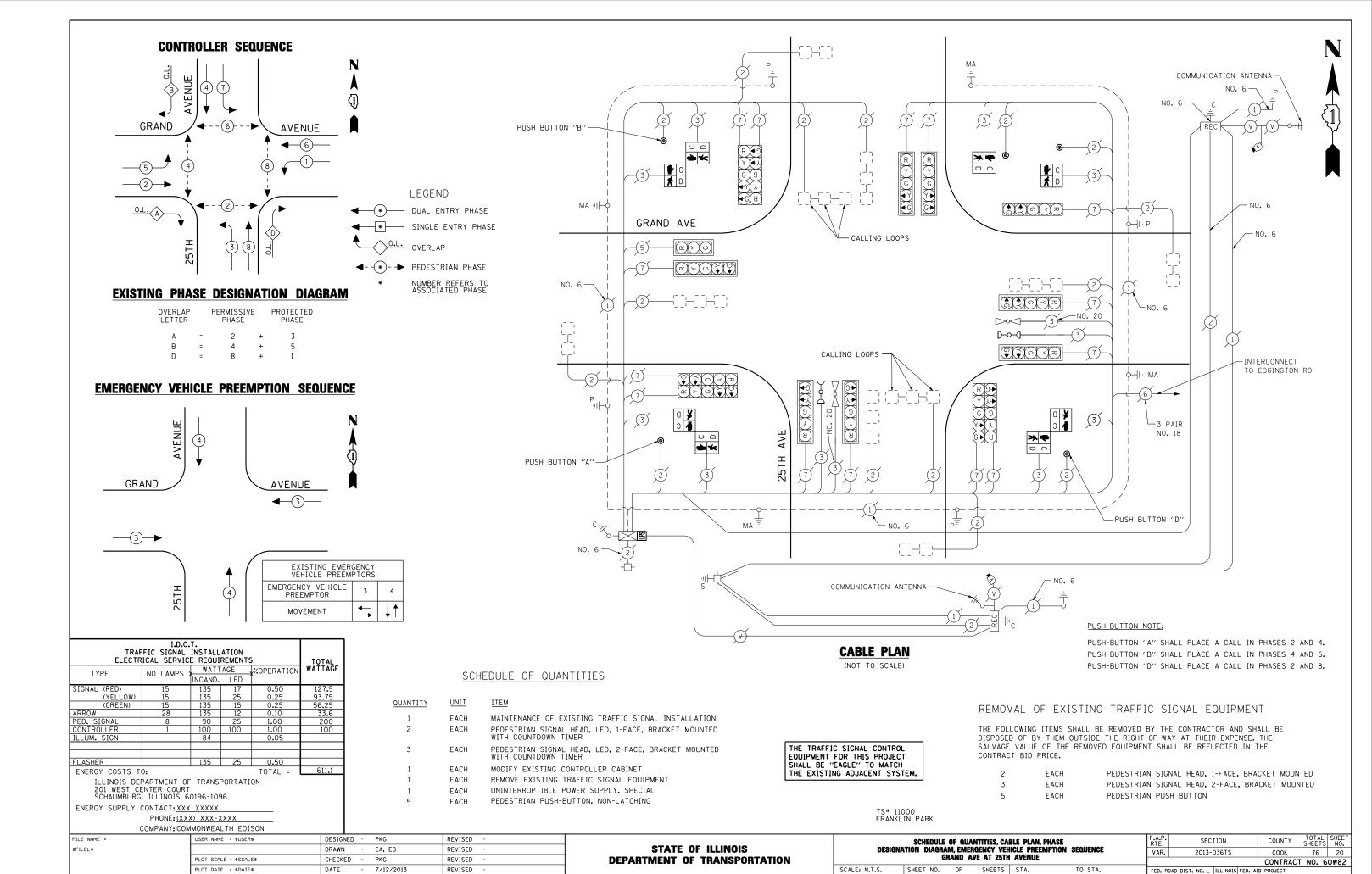
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 4 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 4 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 3 | EACH | PEDESTRIAN PUSH BUTTON |

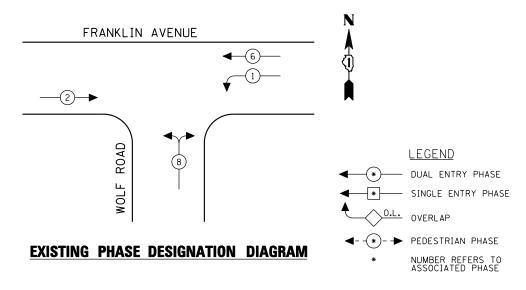
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 10995 FRANKLIN PARK

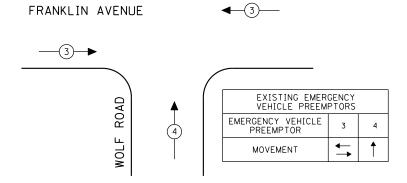
| | COMPANY: COMMONWEALTH EDISON | | | | | | | | | | | | FR | RANKLIN | PARK |
|-------------|------------------------------|------------------|---------------------|------------------------------|---------------------------------|---------------|-----------|-----------|------------|-------------|---------|---------------------------|-------------|---------|-------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - 7/19/2013 | | so | CHEDULE OF QU | JANTITIES | , CABLE P | LAN, PHASE | DESIGNATION | F.A.P. | SECTION | COUNTY | TOTAL | SHEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | | DIAGRAM | | | | | VAR. | 2013-036TS | соок | 76 | 19 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | FULLERTON AVENUE AT 25TH AVENUE | | | IVE | | | CONTRAC | T NO. 6 | 60W82 | | |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. | OF | SHEETS | STA. | TO STA. | FED. RO | AD DIST. NO ILLINOIS FED. | AID PROJECT | | |



CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES

| TRAF ELECTR | TOTAL WATTAGE | | | | | | | |
|---|------------------|-----------------------------|--------|---------|-------|--|--|--|
| TYPE | NO LAMPS | NO LAMPS WATTAGE %OPERATION | | | | | | |
| SIGNAL (RED) | 10 | 135 | 17 | 0.50 | 85 | | | |
| (YELLOW) | 10 | 135 | 25 | 0.25 | 62.5 | | | |
| (GREEN) | 10 | 135 | 15 | 0.25 | 37.5 | | | |
| ARROW | 4 | 135 | 12 | 0.10 | 4.8 | | | |
| PED. SIGNAL | | 90 | 25 | 1.00 | | | | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | | | |
| ILLUM. SIGN | | 84 | | 0.05 | | | | |
| | | | | | | | | |
| FLASHER | | 135 | 25 | 0.50 | | | | |
| ENERGY COSTS T | 0: | | | TOTAL = | 289.8 | | | |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | | | | |
| ENERGY SUPPLY | CONTACT: XXX | XXXXX | | | | | | |
| | PHONE: (XX) | () XXX-> | XXX | | | | | |
| (| COMPANY: COM | IMONWEAL | TH EDI | SON | | | | |

| QUANTITY UNIT ITEM 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION 1 EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED 4 EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED 1 EACH SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED 2 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EOUIPMENT 1 EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL | | | |
|--|----------|-------------|---|
| 1 EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED 4 EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED 1 EACH SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED 2 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EOUIPMENT | QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
| 4 EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED 1 EACH SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED 2 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 1 EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED 1 EACH SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED 2 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EOUIPMENT | 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 EACH SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED 2 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EOUIPMENT | 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 EACH SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED 2 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| BRACKET MOUNTED 2 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 1 | EACH | |
| 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 2 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| | 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL | 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| | 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

CABLE PLAN

(NOT TO SCALE)

WOLF

5

R Y G

FRANKLIN AVENUE

R Y G

CO ≺ ₹

ດ ≺ ¤

NO. 20

ର ≺ ଅ

R Y G

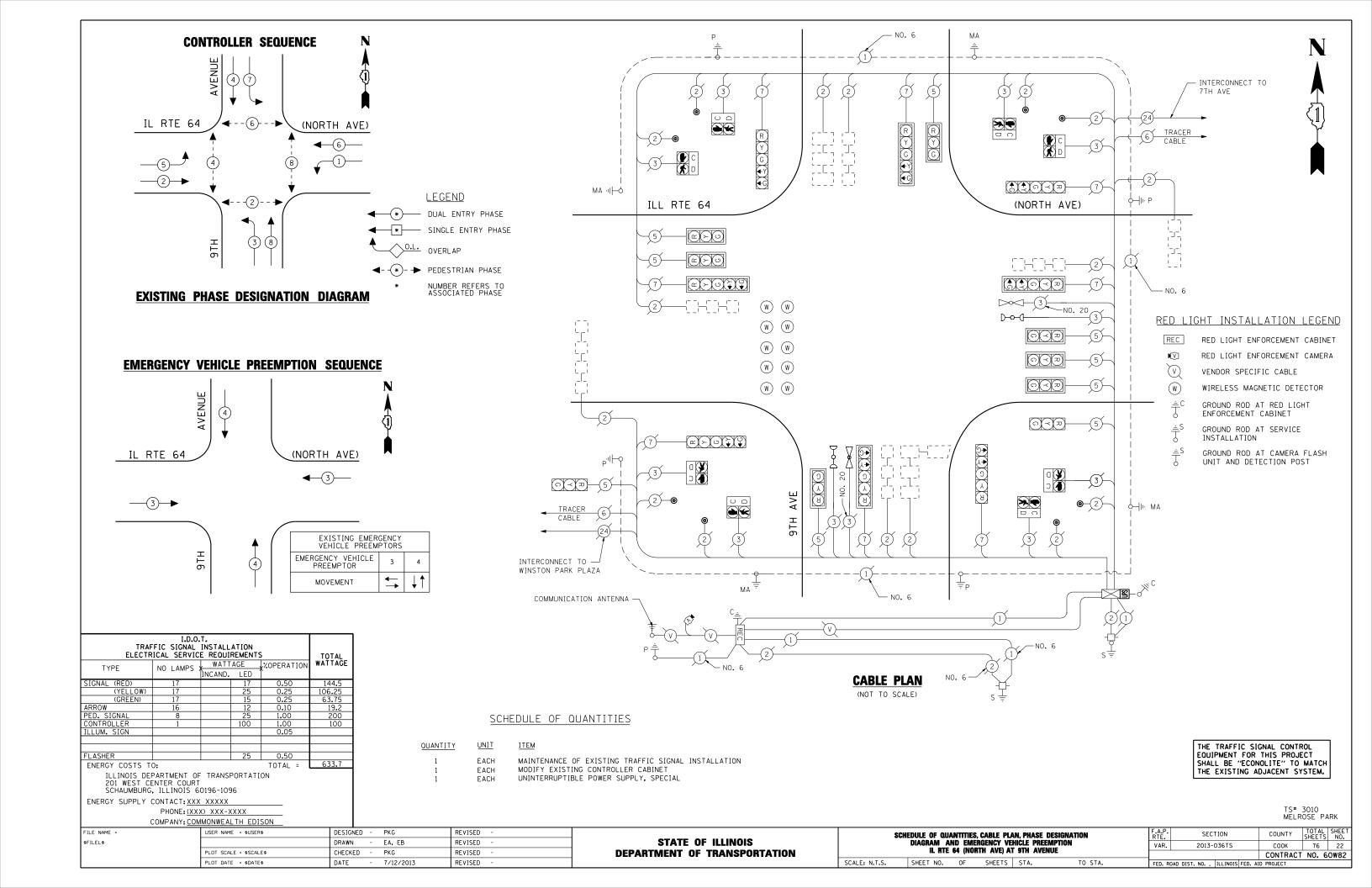
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

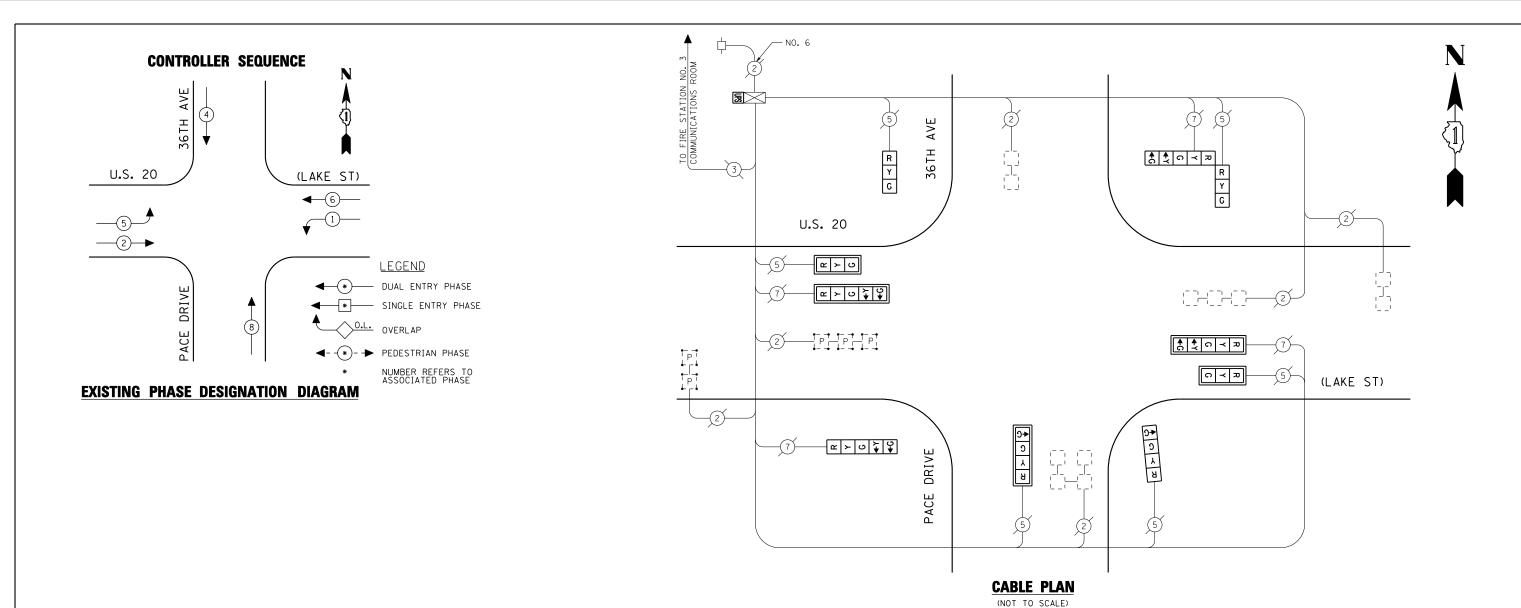
| 1 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|---|
| 4 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 2 | EACH | TRAFFIC SIGNAL BACKPLATE |

THE TRAFFIC SIGNAL CONTROL EOUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 5110 FRANKLIN PARK

| | COMI ANT. CON | INIONII LAL III LDISON | | | | | | | | | | |
|-------------|---------------|------------------------|------------------|-----------|------------------------------|------------------------------|--|--------|--------------------------------|---------------|-------|-------|
| FILE NAME = | : | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHEDULE OF QUANTITIES, CABLE PLAN, | F.A.P. | SECTION | COUNTY | TOTAL | SHEET |
| \$FILEL\$ | | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | PHASE | DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION | VAR. | 2013-036TS | соок | 76 | 21 |
| | | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | FRANKLIN AVENUE AT WOLF ROAD | | | CONTRACT | | | 60W82 |
| | | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. OF SHEETS STA. TO STA. | FED. R | ROAD DIST. NO ILLINOIS FEE | . AID PROJECT | | |





SCHEDULE OF QUANTITIES

| TRAF Electr | ; | TOTAL | | | | |
|---|--------------|-----------------|--------|------------|---------|--|
| TYPE | NO LAMPS | WATT INCAND. | AGE ; | %OPERATION | WATTAGE | |
| SIGNAL (RED) | 10 | | 17 | 0.50 | 85 | |
| (YELLOW) | 10 | | 25 | 0.25 | 62.5 | |
| (GREEN) | 12 | | 15 | 0.25 | 45 | |
| ARROW | 8 | | 12 | 0.10 | 9.6 | |
| PED. SIGNAL | | | 25 | 1.00 | | |
| CONTROLLER | 1 | | 100 | 1.00 | 100 | |
| ILLUM. SIGN | | | | 0.05 | | |
| FLASHER | | | 25 | 0.50 | | |
| ENERGY COSTS T | 0: | | | TOTAL = | 302.1 | |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | | |
| ENERGY SUPPLY | CONTACT: XXX | XXXXX | | | | |
| | PHONE: (XX) | x) xxx-x | XXX | | | |
| | COMPANY: COM | IMONWEAL | TH EDI | SON | | |

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|--|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 5 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

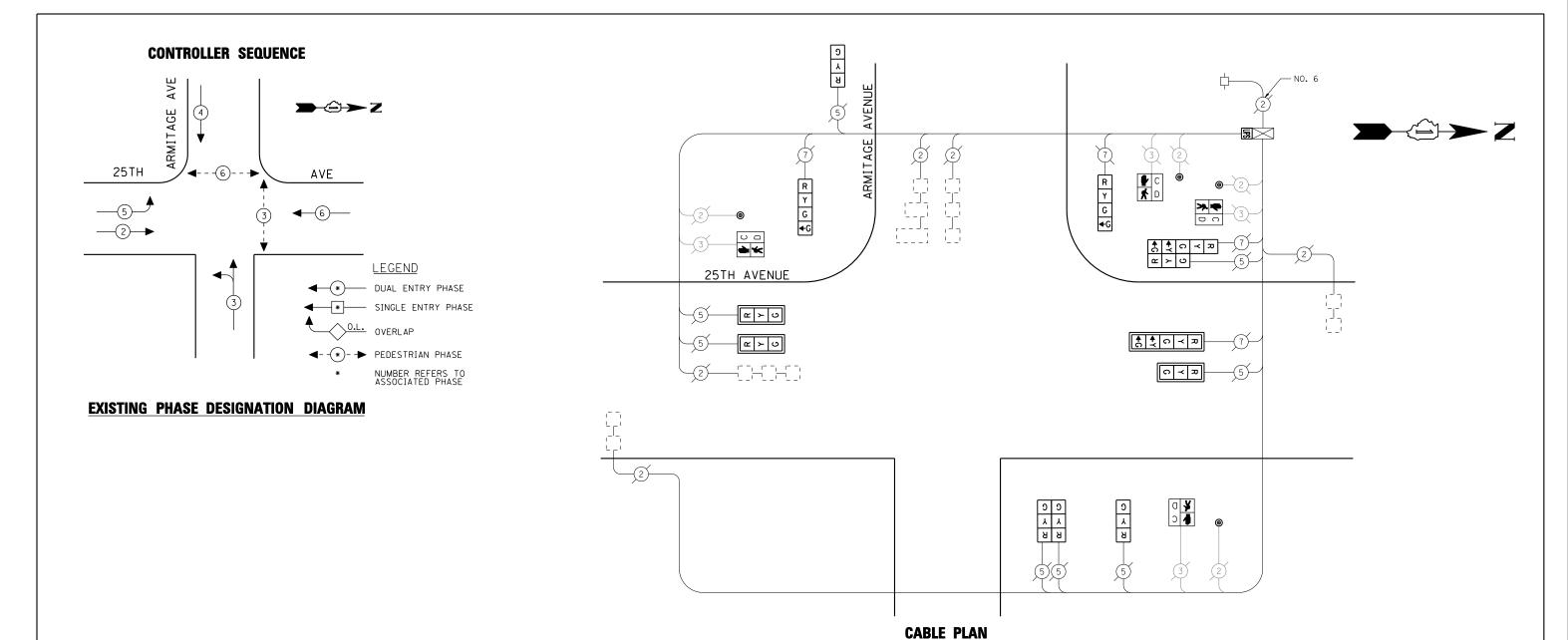
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 2 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|-------|---|
| ۷ | LACIT | SIGNAL HEAD, I FACE, S SECTION, MAST AND MODITED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 5 | EACH | TRAFFIC SIGNAL BACKPLATE |

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

TS# 14260 MELROSE PARK

| COMP ANT: COM | WONWEALTH EDISON | | | | | | | | | | | | | | | | |
|---------------|------------------------|------------|-----------|---------------------|------------------------------|---------------|-----------|----------|--------|----------|-------------|---------|-----------|-----------------------|---------------|----------|-------------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - | PKG | REVISED - 7/19/2013 | | | SCHE | EDULE (| OF QUA | NTITIES. | CABLE PLAN. | | F.A.P. | SECTION | COUNTY | TOTAL S | HEET NO. |
| \$FILEL\$ | | DRAWN - | EA, EB | REVISED - | STATE OF ILLINOIS | E | | | | | ESIGNATION | DIAGRAM | VAR. | 2013-036TS | соок | 76 | 23 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - | PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | U.S | S. 20 (L | AKE ST | r) AT 36 | TH AVENUE | | | | CONTRAC | T NO. 60 | w82 |
| | PLOT DATE = \$DATE\$ | DATE - | 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. | OF | S | HEETS | STA. | TO STA. | FED. ROAD | DIST. NO ILLINOIS FED | . AID PROJECT | | |



SCHEDULE OF QUANTITIES

| | I.D.O. FIC SIGNAL ICAL SERVIC | INSTALL E REOUI | REMENTS | • | TOTA | | |
|---|-------------------------------------|-----------------------------|-----------|---------|------|------------|--|
| TYPE | NO LAMPS : | NO LAMPS WATTAGE COPERATION | | | | | |
| SIGNAL (RED) | 12 | | 17 | 0.50 | 10 |)2 | |
| (YELLOW) | 12 | | 25 | 0.25 | 7 | 75 | |
| (GREEN) | 14 | | 15 | 0.25 | 52 | . 5 | |
| ARROW | 4 | | 12 | 0.10 | 4 | .8 | |
| PED. SIGNAL | 4 | | 25 | 1.00 | 10 | 00 | |
| CONTROLLER | 1 | | 100 | 1.00 | 10 | 00 | |
| ILLUM. SIGN | | | | 0.05 | | | |
| | | | | | | | |
| FLASHER | | | 25 | 0.50 | | | |
| ENERGY COSTS T | 0: | | | TOTAL = | 434 | .3 | |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | | | |
| ENERGY SUPPLY | CONTACT: XXX | XXXXX | | | | | |
| | PHONE: (XX) | X) XXX-X | XXX | | | | |
| (| COMPANY: COM | IMONWEA | TH EDI | 50N | | | |
| FILE NAME = | | LICED NAM | F - MISER | • | |)ESIC | |

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| | | |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

(NOT TO SCALE)

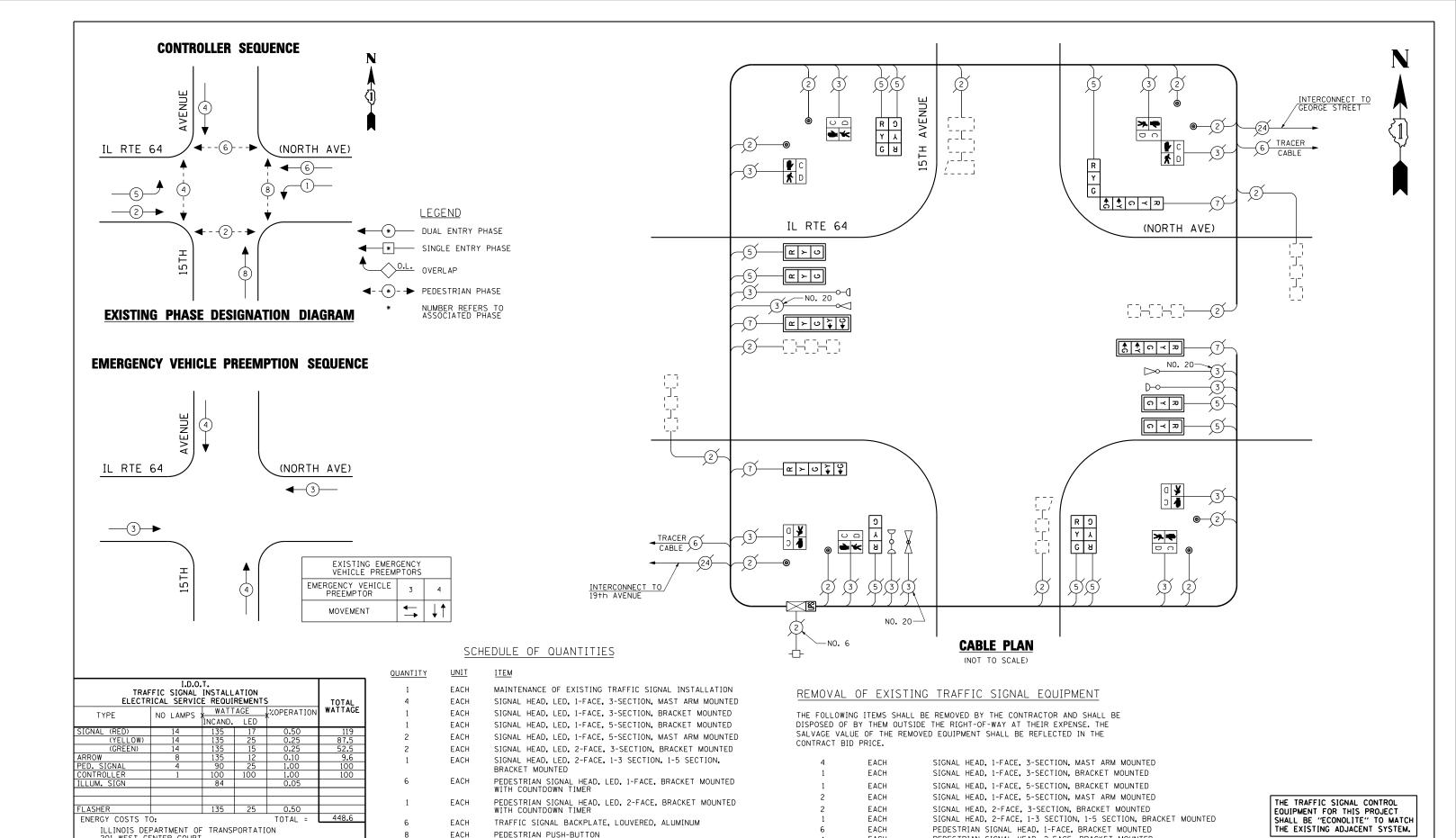
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|---|
| 2 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE |

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

TS# 22165 MELROSE PARK

| | COIVII AIVI . COIV | INIONII LAL III LDISON | | | | | | | | | | |
|-------------|--------------------|------------------------|------------------|-----------|------------------------------|---------------|------------------------------------|---------|----------------------------|---------------|---------|-------|
| FILE NAME = | | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHEDULE OF QUANTITIES, CABLE PLAN | F.A.P. | SECTION | COUNTY | TOTAL | SHEET |
| \$FILEL\$ | | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | | AND PHASE DESIGNATION DIAGRAM | VAR. | 2013-036TS | соок | 76 | 24 |
| | | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | 25TH AVE AT ARMITAGE AVENUE | | | CONTRAC | T NO. 6 | 50W82 |
| | | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. OF SHEETS STA. TO STA. | FED. RC | DAD DIST. NO ILLINOIS FED. | . AID PROJECT | | |



TS# 14265 MELROSE PARK COUNTY

PKG REVISED FILE NAME USER NAME = \$USER\$ DESIGNED -\$FILEL\$ DRAWN EA, EB REVISED CHECKED PKG REVISED 7/12/2013 PLOT DATE = \$DATE\$ DATE REVISED

EACH

EACH

EACH

MODIFY EXISTING CONTROLLER CABINET

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

PHONE: (XXX) XXX-XXXX

COMPANY: COMMONWEALTH EDISON

ENERGY SUPPLY CONTACT: XXX XXXXX

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** EACH

EACH

EACH

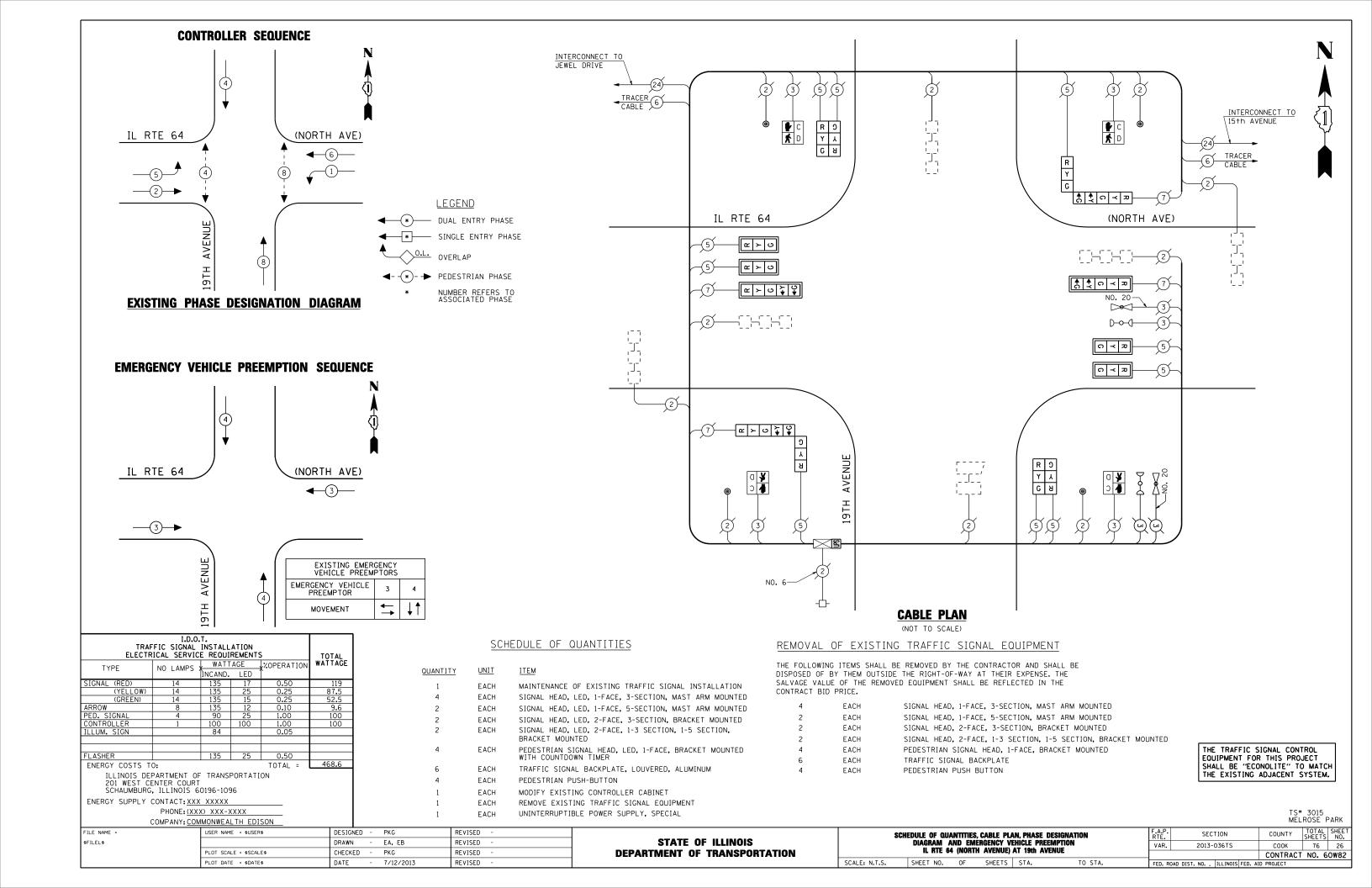
SCHEDULE OF QUANTITIES, CABLE PLAN, SECTION PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION VAR. 2013-036TS IL RTE 64 (NORTH AVENUE) AT 15TH AVENUE SHEET NO. OF SHEETS STA.

PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED

TRAFFIC SIGNAL BACKPLATE

PEDESTRIAN PUSH BUTTON

COOK 76 25 CONTRACT NO. 60W82 FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT





THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 5 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|---|
| 2 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, 2-FACE, 1-3-SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 2 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | COMBINATION SIGNAL HEAD, 2-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED |
| 1 | EACH | COMBINATION SIGNAL HEAD, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 2-5 SECTION, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 9 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 2 | EACH | PEDESTRIAN PUSH-BUTTON |
| | | |

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNI T</u> | <u>ITEM</u> |
|----------|--------------|--|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 5 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 2-FACE, 1-3-SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 2 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | COMBINATION SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED |
| 1 | EACH | COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 2-5 SECTION, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 9 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 2 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

| TRAF ELECTR | TOTAL | | | | |
|----------------|----------|---------|-----|------------|---------|
| TYPE | NO LAMPS | WATT | | %OPERATION | WATTAGE |
| | | INCAND. | LED | | |
| SIGNAL (RED) | 20 | 135 | 17 | 0.50 | 170 |
| (YELLOW) | 20 | 135 | 25 | 0.25 | 125 |
| (GREEN) | 20 | 135 | 15 | 0.25 | 75 |
| ARROW | 12 | 135 | 12 | 0.10 | 14.4 |
| PED. SIGNAL | 2 | 90 | 25 | 1.00 | 50 |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| | | | | | |
| | | | | | |
| FLASHER | | 135 | 25 | 0.50 | |
| ENERGY COSTS T | 0: | | | TOTAL = | 534.4 |

201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX

PHONE: (XXX) XXX-XXXX COMPANY: COMMONWEALTH EDISON

| TRAF ELECTR | TOTAL | | | | |
|----------------|-------------|-----------------|---------|------------|---------|
| TYPE | NO LAMPS | WATT INCAND. | AGE . | %OPERATION | WATTAGE |
| SIGNAL (RED) | 20 | 135 | 17 | 0.50 | 170 |
| (YELLOW) | 20 | 135 | 25 | 0.25 | 125 |
| (GREEN) | 20 | 135 | 15 | 0.25 | 75 |
| ARROW | 12 | 135 | 12 | 0.10 | 14.4 |
| PED. SIGNAL | 2 | 90 | 25 | 1.00 | 50 |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| | | | | | |
| FLASHER | | 135 | 25 | 0.50 | |
| ENERGY COSTS T | 534.4 | | | | |
| | PARTMENT OF | | PORTATI | ON | |

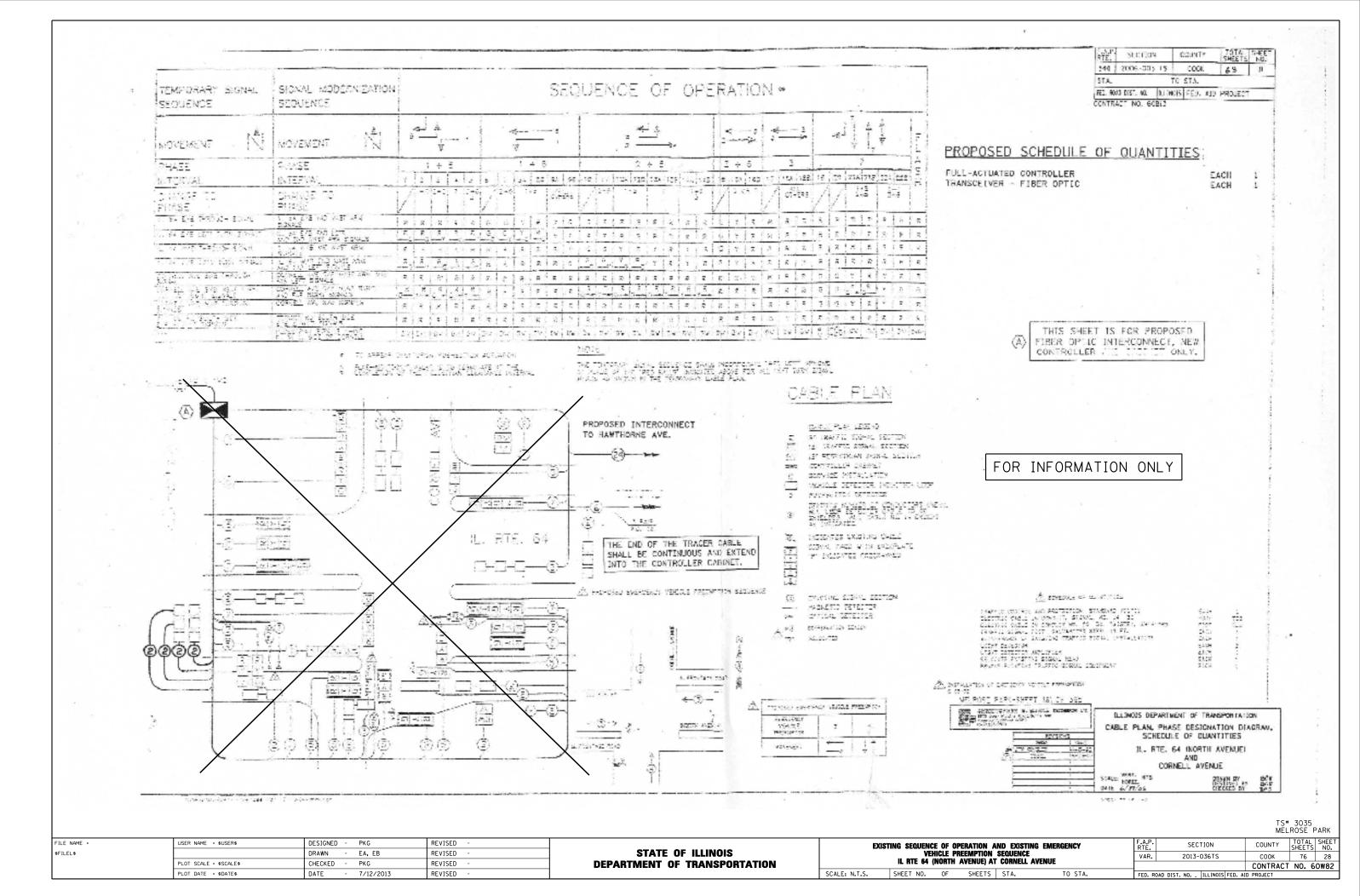
| | IL RTE 64 (NORTH AVE) | R Y G | TRACER CABLE FRONTAGE ROAD 5 24 TRACER CABLE |
|------------------------------------|-----------------------|---|--|
| | 7 | | 2 |
| SAMPLING (SYSTEM) DETECTORS 2 2 2 | © © | S. FRONTAGE ROAD TO A WE WOUND TO | 3 NO. 20 3 S S S S S S S S S S S S S S S S S S |
| | | ABLE PLAN NOT TO SCALE) | |

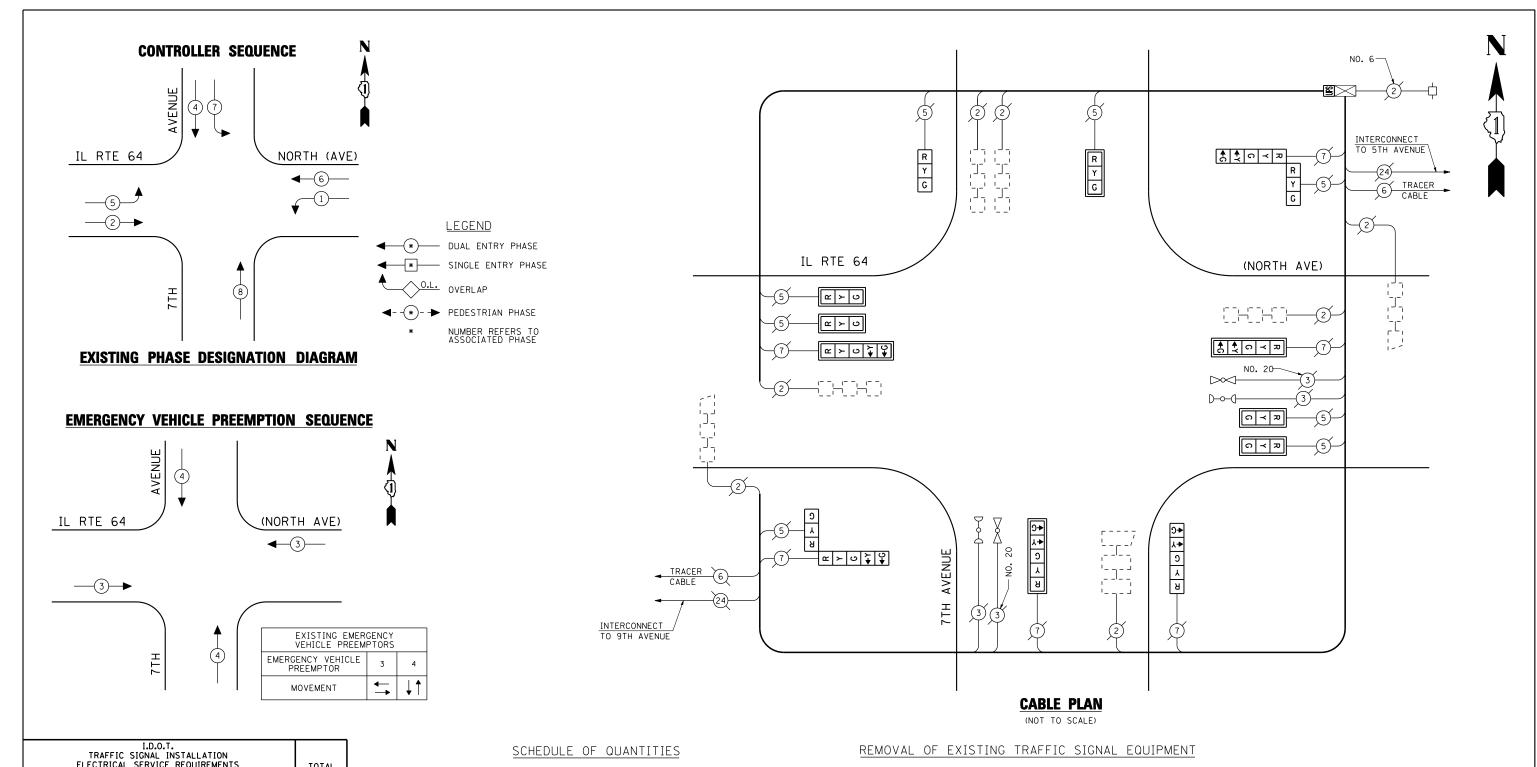
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

INTERCONNECT TO HAWTHORNE AVENUE

TS# 3035 MELROSE PARK

| FIL | _E NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - 7/19/2013 | | | COMPANIE OF CHANTITIES AND CARLE DIAM | F.A.P. | SECTION | COUNTY | SHEETS | SHEET |
|------|-----------|------------------------|------------------|---------------------|------------------------------|---------------|---|--------|--------------------------|----------------|-----------|-------|
| \$FI | ILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | | SCHEDULE OF QUANTITIES AND CABLE PLAN IL RTE 64 (NORTH AVENUE) AT CORNELL AVENUE | VAR. | 2013-036TS | соок | 76 | 27 |
| | | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | | | | CONTRAC | CT NO. 60 | 0w82د |
| | | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. OF SHEETS STA. TO STA. | FED. R | DAD DIST. NO ILLINOIS FE | D. AID PROJECT | | |





| ELECTR | 5 | TOTAL | | | |
|----------------|-------------|---------|------------------|------------|---------|
| TYPE | NO LAMPS | , WATT | AGE , | %OPERATION | WATTAGE |
| | NO LAWI 5 / | INCAND. | LED [*] | Î | |
| SIGNAL (RED) | 14 | 135 | 17 | 0.50 | 119 |
| (YELLOW) | 14 | 135 | 25 | 0.25 | 87.5 |
| (GREEN) | 14 | 135 | 15 | 0.25 | 52.5 |
| ARROW | 12 | 135 | 12 | 0.10 | 14.4 |
| PED. SIGNAL | | 90 | 25 | 1.00 | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| | | | | | |
| | | | | | |
| FLASHER | | 135 | 25 | 0.50 | |
| ENERGY COSTS T | 0: | | | TOTAL = | 373.4 |
| | | | | | |

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX PHONE: (XXX) XXX-XXXX COMPANY: COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | ITEM |
|----------|-------------|--|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 5 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

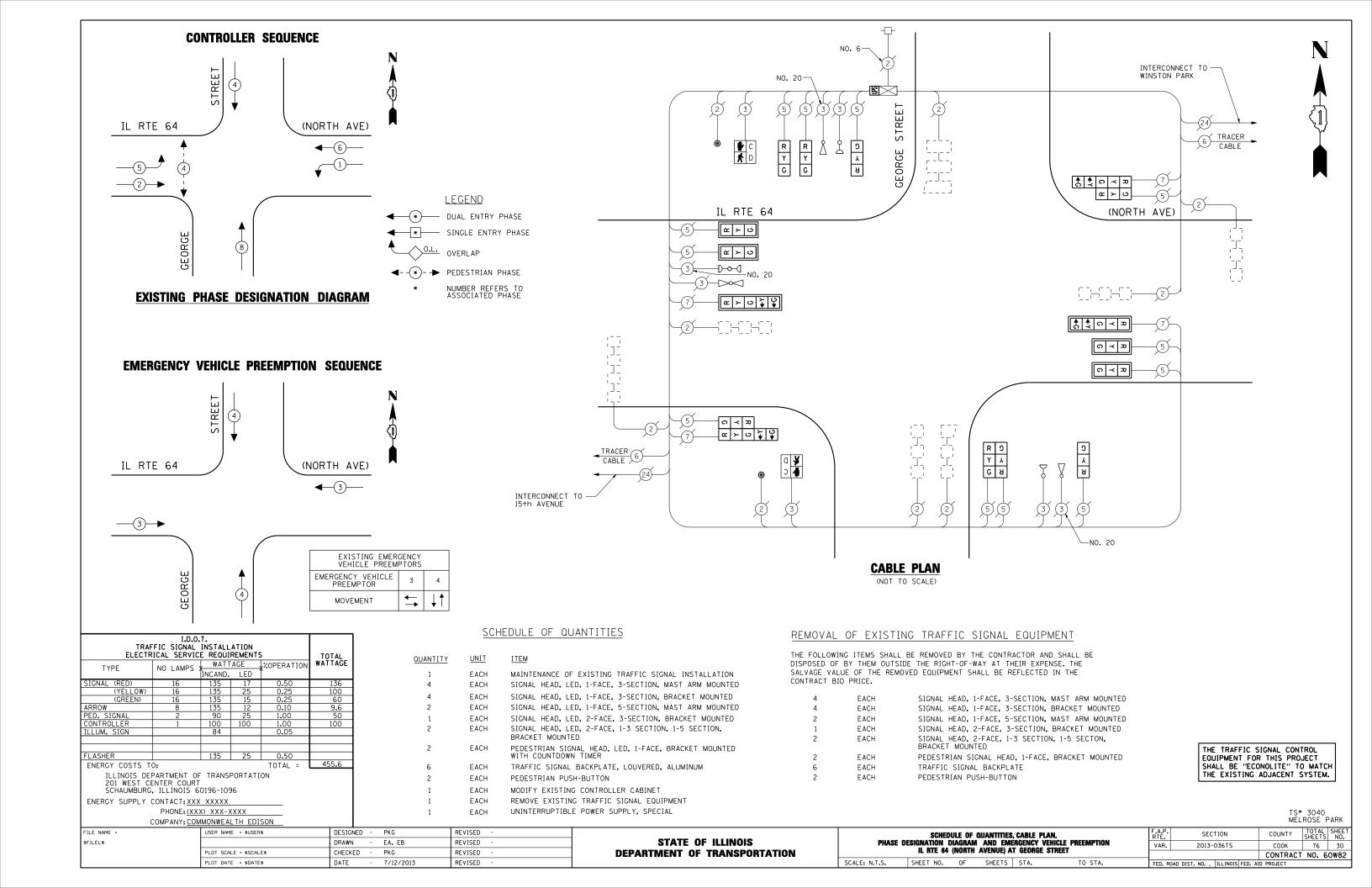
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

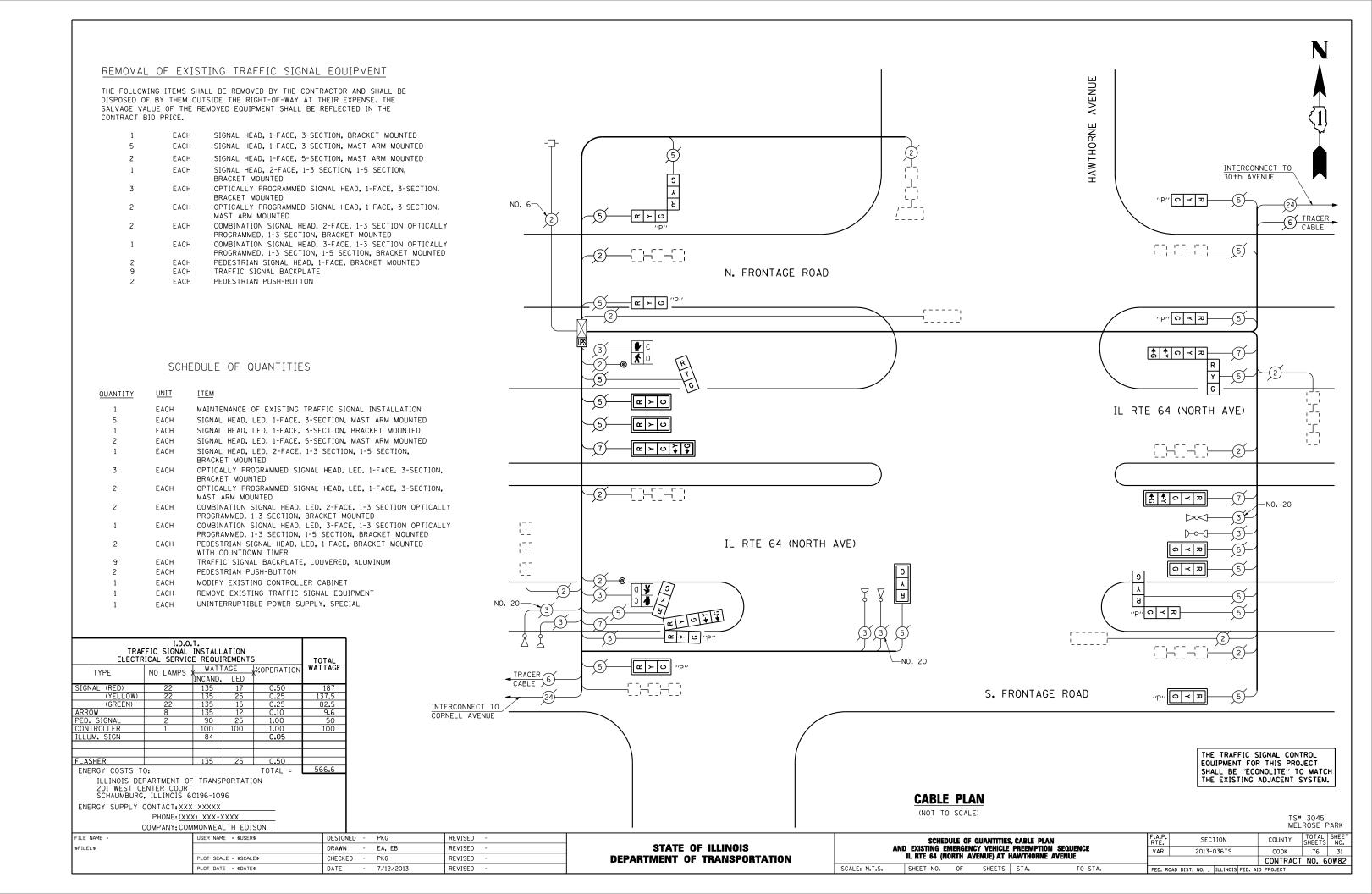
| 5 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|---|
| 1 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 3 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE |

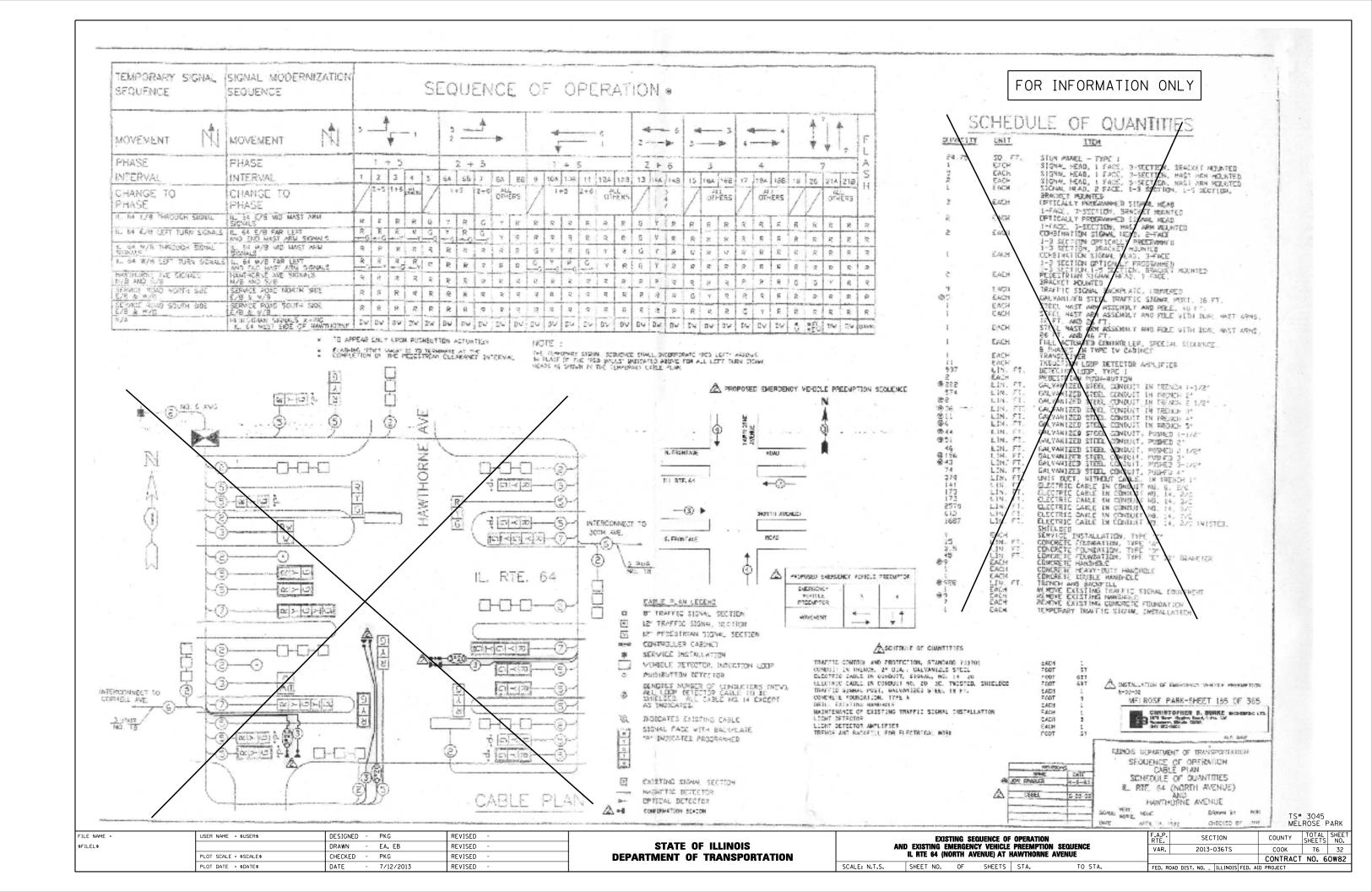
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

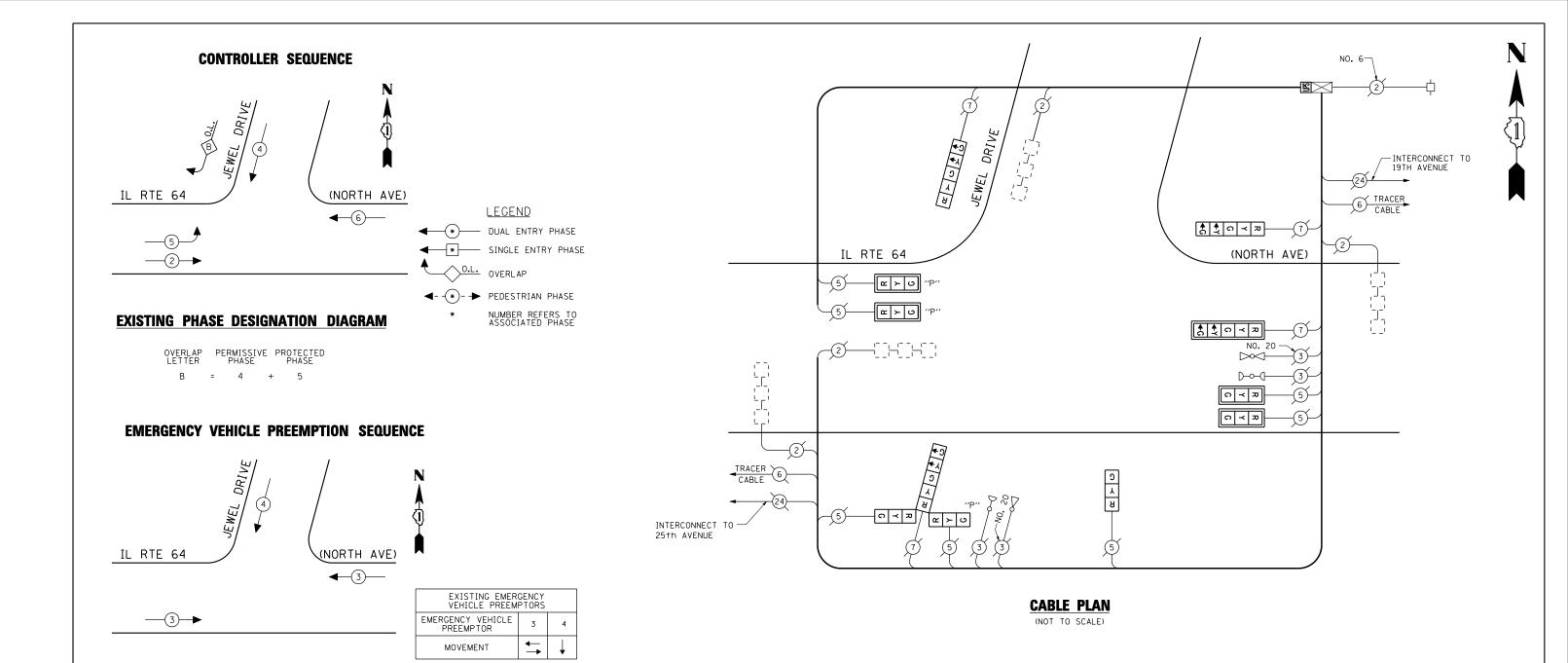
TS# 3005 MELROSE PARK

| | COIVII AINT: COIVII | WONTEALTH EDISON | | | | | | |
|------|---------------------|------------------------|------------------|-----------|------------------------------|--|----------------------------------|--------------------|
| FIL | _E NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | SCHEDULE OF QUANTITIES, CABLE PLAN, | F.A.P. SECTION | COUNTY TOTAL SHEET |
| \$FI | ILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEPTION SEQUENCE | VAR. 2013-036TS | COOK 76 29 |
| | | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | IL RTE 64 (NORTH AVENUE) AT 7TH AVENUE | | CONTRACT NO. 60W82 |
| | | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | FED. ROAD DIST. NO ILLINOIS FED. | AID PROJECT |









SCHEDULE OF QUANTITIES

| TRAF ELECTR | TOTAL | | | | | | | | |
|----------------|---|-----------------|-------|------------|---------------|--|--|--|--|
| TYPE | NO LAMPS : | WATT INCAND. | AGE , | %OPERATION | WATTAGE | | | | |
| SIGNAL (RED) | 11 | 135 | 17 | 0.50 | 93 . 5 | | | | |
| (YELLOW) | 11 | 135 | 25 | 0.25 | 68.75 | | | | |
| (GREEN) | 11 | 135 | 15 | 0.25 | 41.25 | | | | |
| ARROW | 8 | 135 | 12 | 0.10 | 9.6 | | | | |
| PED. SIGNAL | | 90 | 25 | 1.00 | | | | | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | | | | |
| ILLUM. SIGN | | 84 | | 0.05 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| FLASHER | | 135 | 25 | 0.50 | | | | | |
| ENERGY COSTS T | 0: | | | TOTAL = | 313.1 | | | | |
| 201 WEST CE | ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | | | | |
| ENERGY SUPPLY | CONTACT: XXX | XXXXX | | | | | | | |

PHONE: (XXX) XXX-XXXX

| QUANTITY | <u>UNIT</u> | ITEM |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 5 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

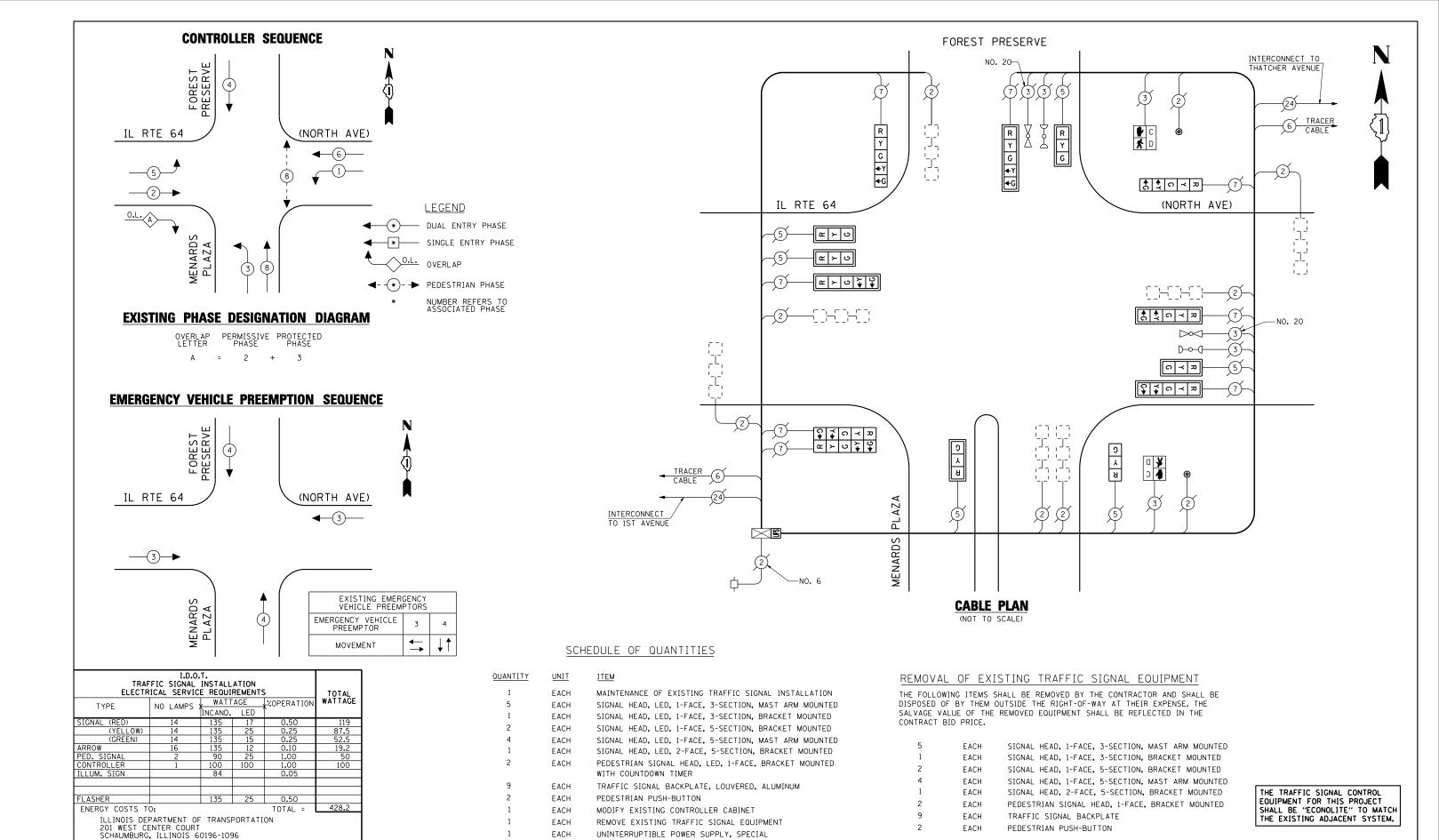
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 2 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 1 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | COMBINATION SIGNAL HEAD, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 5 | EACH | TRAFFIC SIGNAL BACKPLATE |

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

TS# 10915 MFLROSE PARK

| COMPANY: COM | MONWEALTH EDISON | | | | | | | IVIEL | LRUSE I | LAUV |
|--------------|------------------------|------------------|-----------|------------------------------|--|-----------|-----------------------|---------------|---------|-------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | SCHEDULE OF QUANTITIES, CABLE PLAN. | F.A.P. | SECTION | COUNTY | TOTAL | SHEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION | VAR. | 2013-036TS | соок | 76 | 33 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | IL RTE 64 (NORTH AVENUE) AT JEWEL DRIVE | | | CONTRACT | T NO. F | 60W82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | FED. ROAD | DIST. NO ILLINOIS FEE | . AID PROJECT | | |

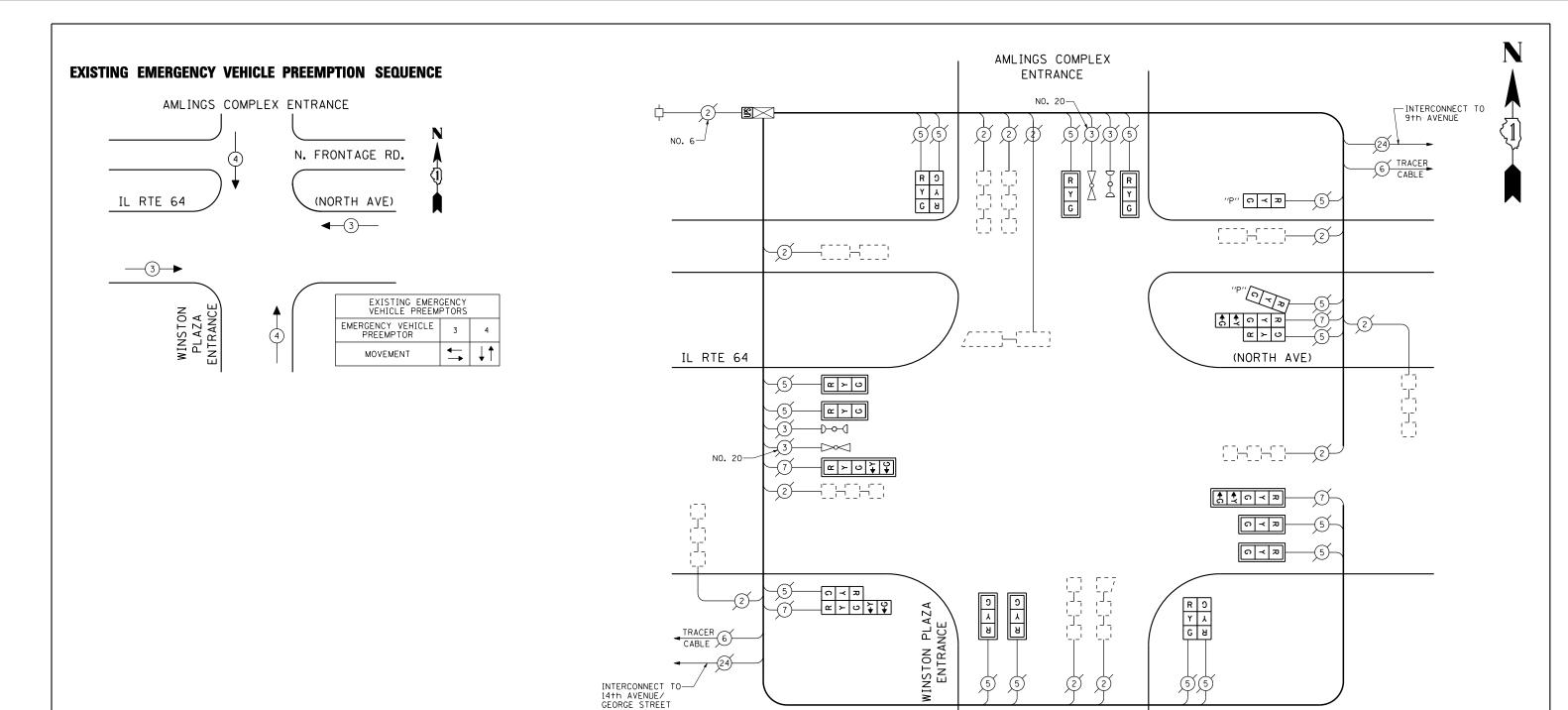


TS# 11965 MELROSE PARK

COMPANY: COMMONWEALTH EDISON PKG REVISED FILE NAME USER NAME = \$USER\$ DESIGNED -SCHEDULE OF QUANTITIES, CABLE PLAN, SECTION COUNTY STATE OF ILLINOIS \$FILEL\$ DRAWN EA, EB REVISED PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION IL RTE 64 (NORTH AVENUE) AT MENARDS PLAZA VAR. 2013-036TS COOK 76 34 CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W82 SHEET NO. OF SHEETS STA. 7/12/2013 PLOT DATE = \$DATE\$ DATE REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

ENERGY SUPPLY CONTACT: XXX XXXXX

PHONE: (XXX) XXX-XXXX



SCHEDULE OF QUANTITIES

UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

| ELECTRICAL SERVICE REQUIREMENTS | | | | TOTAL | QUANTITY | UNIT | ITEM | | | | |
|--|------------|------|-------|------------|---|---|---|---|--|--|--|
| TYPE | NO LAMPS : | WATT | AGE . | %OPERATION | WATTAGE | <u>COANTITI</u> | <u> </u> | <u>11 C.II</u> | | | |
| INCAND. LED | | Î I | | 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | | | | | |
| NAL (RED) | 20 | 135 | 17 | 0.50 | 170 | 8 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED | | | |
| (YELLOW) | 20 | 135 | 25 | 0.25 | 125 | 2 | EACH | SIGNAL HEAD, LED. 1-FACE, 5-SECTION, MAST ARM MOUNTED | | | |
| (GREEN) | 20 | 135 | 15 | 0.25 | 75 | | | | | | |
| ROW | 8 | 135 | 12 | 0.10 | 9.6 | 2 | EACH | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED | | | |
| 90 25 1.00 | | | 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, | | | | | | |
| ITROLLER 1 100 100 1.00 | | 100 | ļ | LAON | BRACKET MOUNTED | | | | | | |
| UM. SIGN 84 0.05 | | | | | | | | | | | |
| | | | | | 1 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, | | | | |
| | | | | | | | | BRACKET MOUNTED | | | |
| SHER | | 135 | 25 | 0.50 | | 1 | EACH | COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY | | | |
| ERGY COSTS T | 0: | • | | TOTAL = | 479.6 | | | PROGRAMMED, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED | | | |
| ILLINOIS DEPARTMENT OF TRANSPORTATION | | | | ON | | 10 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM | | | |
| 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | 1 | EACH | MODIFY EXISTING CONTROLLER CABINET | | | | |
| FRGY SUPPLY CONTACT•XXX XXXXX | | | | | 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | | | | |
| | | | | | | | | | | | |

EACH

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS

PHONE: (XXX) XXX-XXXX

PED. SIGNAL CONTROLLER ILLUM. SIGN

ENERGY COSTS TO:

ENERGY SUPPLY CONTACT: XXX XXXXX

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

CABLE PLAN

(NOT TO SCALE)

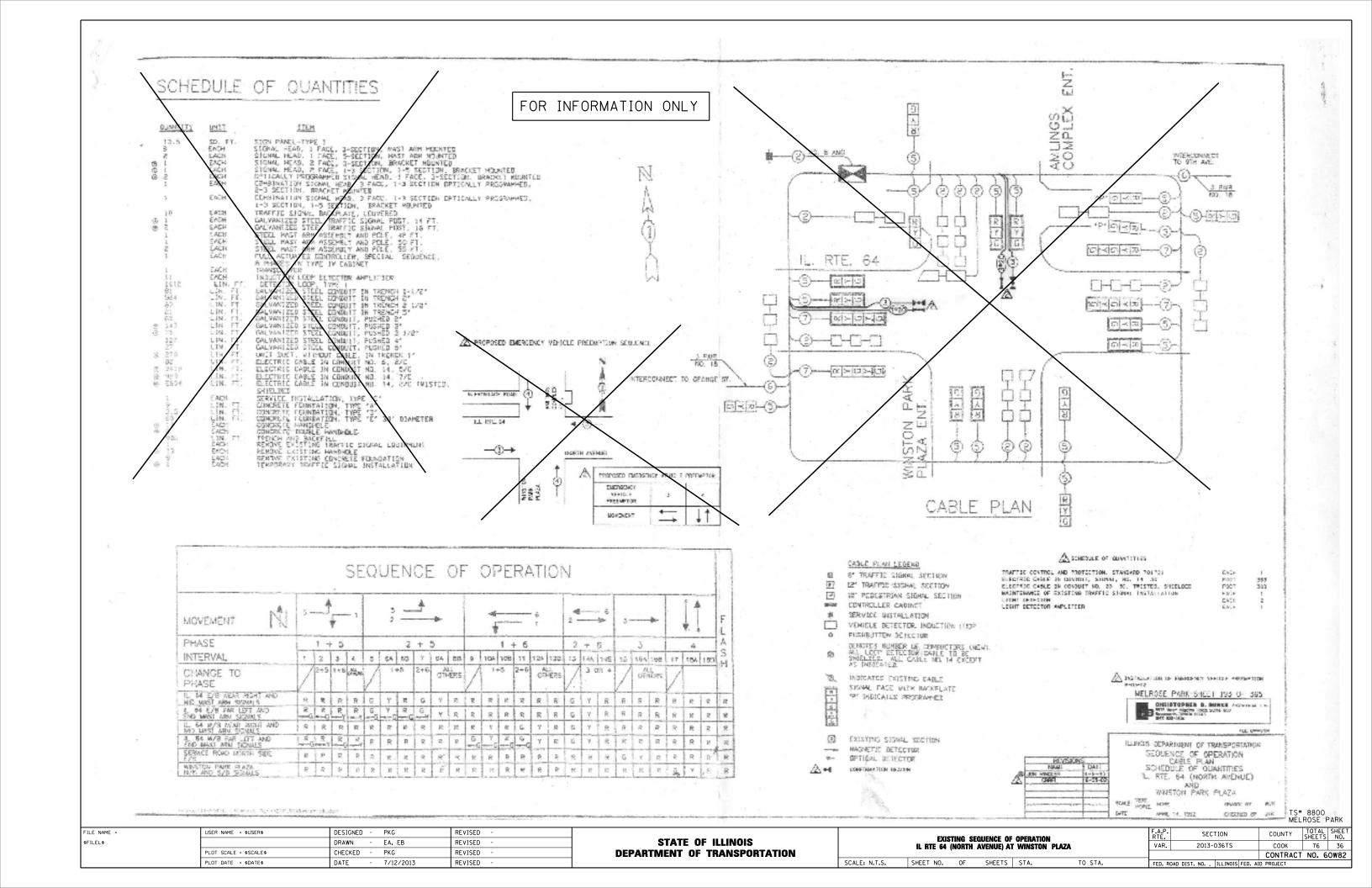
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

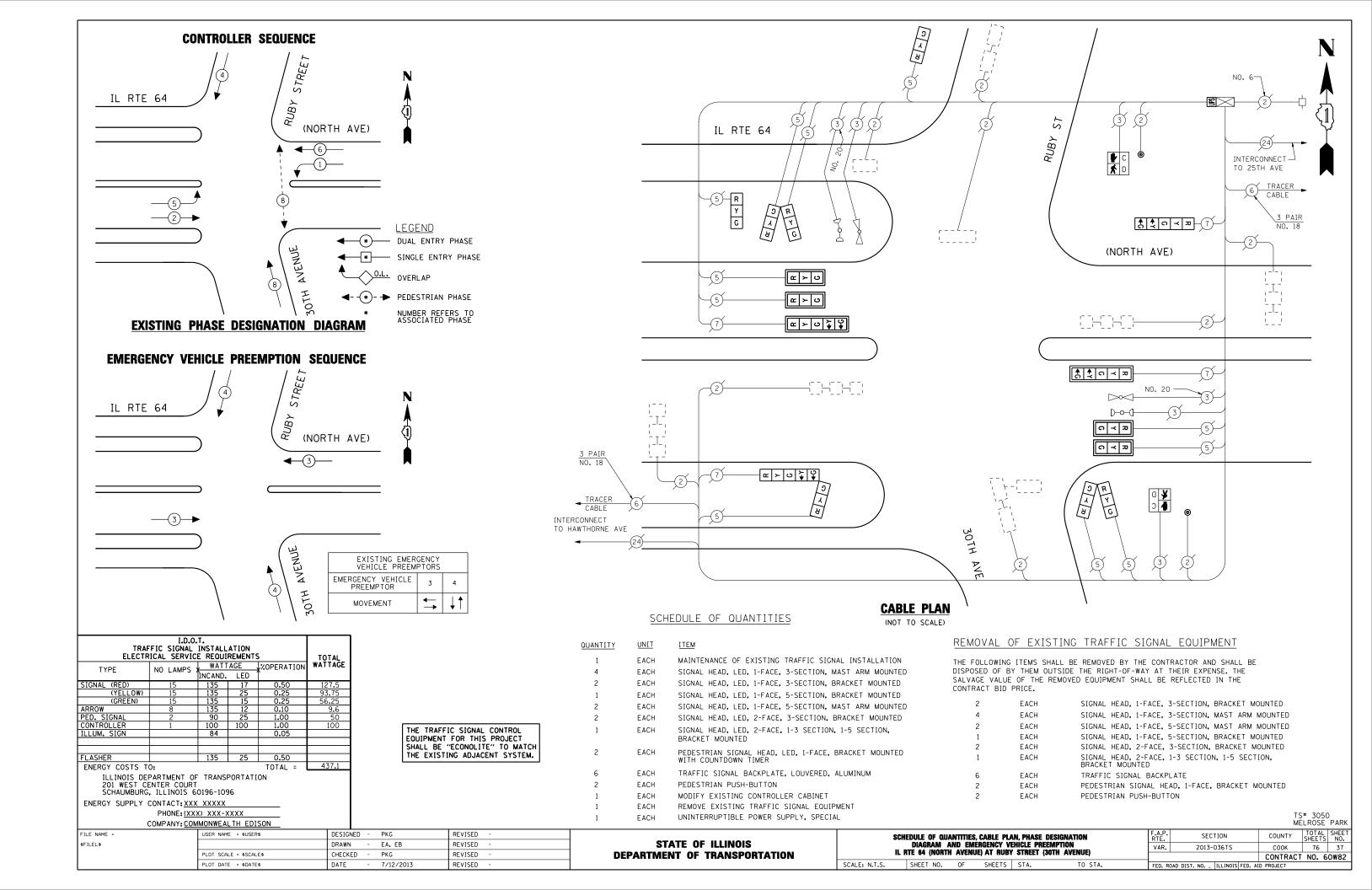
| 8 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|----|------|--|
| 2 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTON, BRACKET MOUNTED |
| 1 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 10 | EACH | TRAFFIC SIGNAL BACKPLATE |

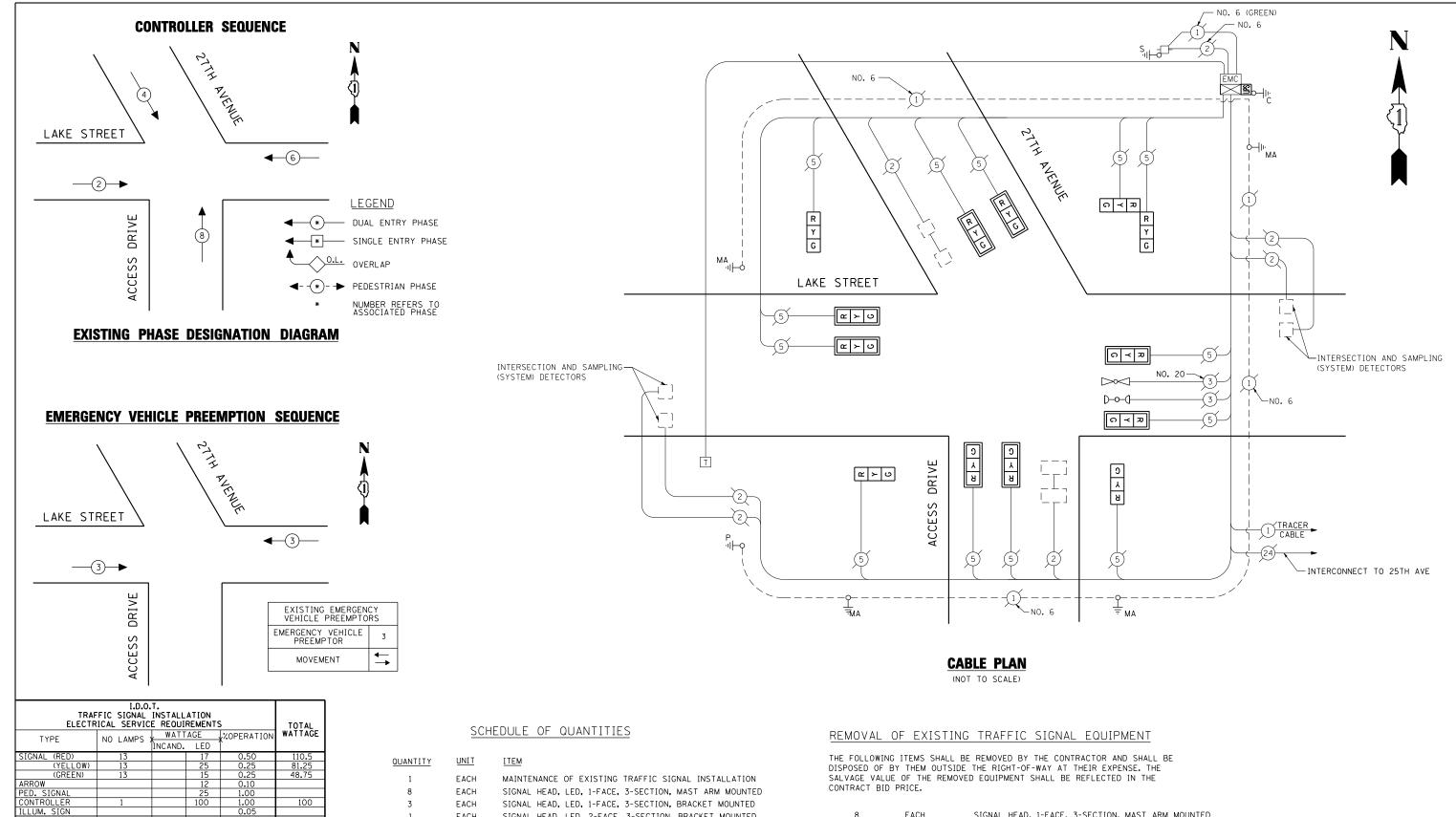
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 8800 MELROSE PARK

| | COMPANT: COM | MINIONWEAL IN EDISON | | | | | | | | | | |
|--------|--------------|------------------------|------------------|-----------|------------------------------|---------------|--|--------|---------------------------|----------------|---------|-------|
| FILE | NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHEDULE OF QUANTITIES, CABLE PLAN. | F.A.P. | SECTION | COUNTY | TOTAL | SHEET |
| \$FILE | _\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | PHASE D | DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION | VAR. | 2013-036TS | соок | 76 | 35 |
| | | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | IL RTE 64 (NORTH AVENUE) AT WINSTON PLAZA | | | CONTRAC | T NO. 6 | 60W82 |
| | | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. OF SHEETS STA. TO STA. | FED. R | ROAD DIST. NO ILLINOIS FE | D. AID PROJECT | | |
| | | | | | | | | | | | | |







EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM EACH MODIFY EXISTING CONTROLLER CABINET EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION

PHONE: (XXX) XXX-XXXX

201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 ENERGY SUPPLY CONTACT: XXX XXXXX

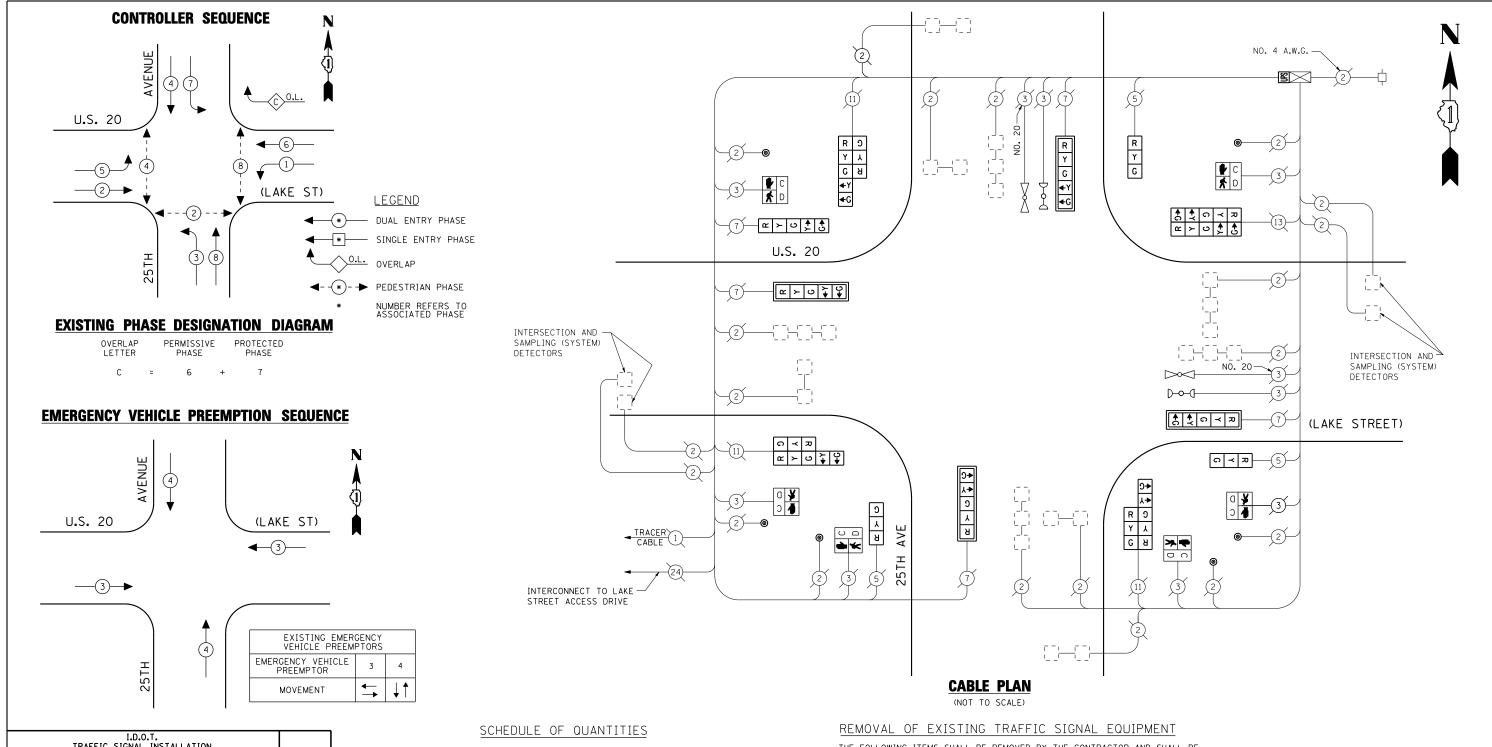
TOTAL =

| 8 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE |
| | | |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 12165 MELROSE PARK

| | COMPANY: COMMONWEALTH EDISON | | | | | | MELROSE PARK |
|-------------|------------------------------|------------------|-----------|------------------------------|---|------------------------------------|--------------------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | SCHEDULE OF QUANTITIES. CABLE PLAN. PHASE DESIGNATION | F.A.P. SECTION | COUNTY TOTAL SHEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | DIAGRAM AND EMERGENCY VEHICLE PREEMPTION | VAR. 2013-036TS | СООК 76 38 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | LAKE STREET AT 27TH AVENUE /ACCESS DRIVE | | CONTRACT NO. 60W82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | FED. ROAD DIST. NO ILLINOIS FED. A | AID PROJECT |



| TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | TOTAL | | | | | |
|---|----------------------------|---------|----------|--------------|-----------|----------|-------------|---|
| TYPE | NO LAMPS | WATT | AGE | √,OPERATION | | QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
| TIPE | NO LAMPS | INCAND. | LED | 1 | | 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INST |
| GNAL (RED) | 16 | | 17 | 0.50 | 136 | 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET |
| (YELLOW) (GREEN) | 16 16 | | 25 15 | 0.25 | 100 60 | 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET |
| OW | 20 | | 12 | 0.10 | 24 | 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM |
|). SIGNAL | 6 | | 25 | 1.00 | 150 | 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET |
| NTROLLER LUM. SIGN | 1 | | 100 | 1.00 0.05 | 100 | 3 | EACH | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SEC BRACKET MOUNTED |
| ASHER | | | 25 | 0.50 | | 6 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET WITH COUNTDOWN TIMER |
| NERGY COSTS T | | | | TOTAL = | 570 | 4 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| | PARTMENT OF ENTER COURT | | PORTAT | ON | | 6 | EACH | PEDESTRIAN PUSH-BUTTON |
| | , ILLINOIS 6 | | 16 | | | 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| NERGY SUPPLY | CONTACT: XXX | xxxxx | | | | 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| | PHONE: (XX | | XXX | | | 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| | COMPANY: CON | MONWEAL | _TH EDI | SON | | • | 2 | |

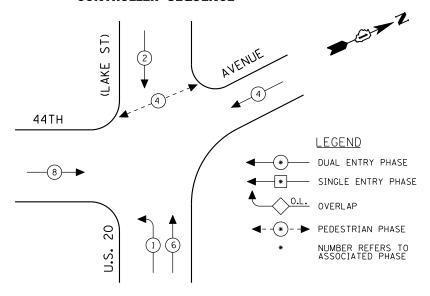
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
|---|------|--|
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 3 | EACH | SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 6 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 6 | FΔCH | PEDESTRIAN PUSH-BUTTON |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 3715 MELROSE PARK

| FILE NA | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION | F.A.P. | SECTION | COUNTY | TOTAL | SHEE |
|-----------|--------------------------|------------------|-----------|------------------------------|---|----------|-------------------------|----------------|----------|------|
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | DIAGRAM AND EMERGENCY VEHICLE PREEMPTION | VAR. | 2013-036TS | соок | 76 | 39 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | U.S. 20 (LAKE ST) AT 25TH AVENUE | | | CONTRAC | CT NO. 6 | OW82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | FED. ROA | D DIST. NO ILLINOIS FEE | D. AID PROJECT | | |



EXISTING PHASE DESIGNATION DIAGRAM

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS

ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

TYPE

PED. SIGNAL CONTROLLER ILLUM. SIGN

(YELLOW) (GREEN)

ENERGY COSTS TO:

SCHEDULE OF QUANTITIES

WATTAGE **OPERATION

TOTAL =

INCAND. LED

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 2 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

TOTAL WATTAGE

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

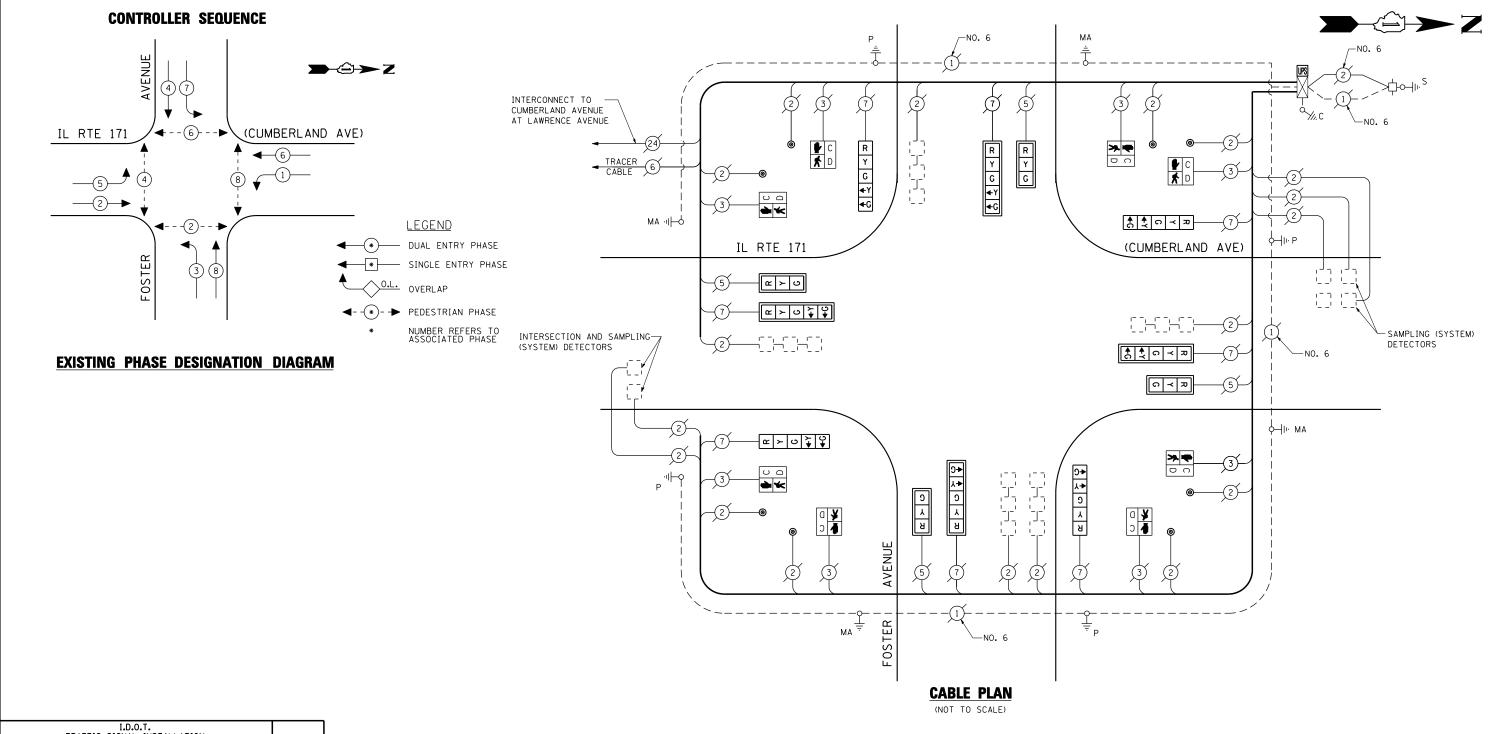
| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN PUSH-BUTTON |

-INTERSECTION AND SAMPLING (SYSTEM) DETECTORS STREET R Y G **+**Y **+**G G ~ × v 44TH AVE 20 u.s. INTERCONNECT TO MANNHEIM ROAD **CABLE PLAN** (NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EOUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 1335 MELROSE PARK

COMPANY: COMMONWEALTH EDISON COUNTY TOTAL SHEET NO. COOK 76 40 FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED SCHEDULE OF QUANTITIES, CABLE PLAN SECTION COUNTY **STATE OF ILLINOIS** AND PHASE DESIGNATION DIAGRAM U.S. 20 (LAKE ST) AT 44TH AVENUE \$FILEL\$ DRAWN EA, EB REVISED 2013-036TS VAR. CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W82 7/12/2013 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. PLOT DATE = \$DATE\$ DATE REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT



| | I.D.O. FFIC SIGNAL RICAL SERVIC | INSTALL | | s | TOTAL | | | |
|-----------------------|---------------------------------------|----------|---------|------------|---------|--|--|--|
| TYPF | NO LAMPS | WATT | AGE , | %OPERATION | WATTAGE | | | |
| | 140 27 3 / | ÎNCAND. | LED | | | | | |
| SIGNAL (RED) | 12 | 135 | 17 | 0.50 | 102 | | | |
| (YELLOW) | 12 | 135 | 25 | 0.25 | 75 | | | |
| (GREEN) | 12 | 135 | 15 | 0.25 | 45 | | | |
| ARROW | 16 | 135 | 12 | 0.10 | 19.2 | | | |
| PED. SIGNAL | 8 | 90 | 25 | 1.00 | 200 | | | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | | | |
| ILLUM. SIGN | | 84 | | 0.05 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| FLASHER | | 135 | 25 | 0.50 | | | | |
| ENERGY COSTS T | 0: | | | TOTAL = | 541.2 | | | |
| ILLINOIS DE | PARTMENT OF | TRANSF | PORTATI | ON | | | | |
| 201 WEST CENTER COURT | | | | | | | | |
| SCHAUMBURG | , ILLINOIS 6 | 0196-109 | 16 | | | | | |
| ENERGY SUPPLY | CONTACT: XXX | XXXXX | | | | | | |

PHONE: (XXX) XXX-XXXX

SCHEDULE OF QUANTITIES

| QUANTITY | UNIT | ITEM |
|----------|------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 8 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 8 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| | | |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

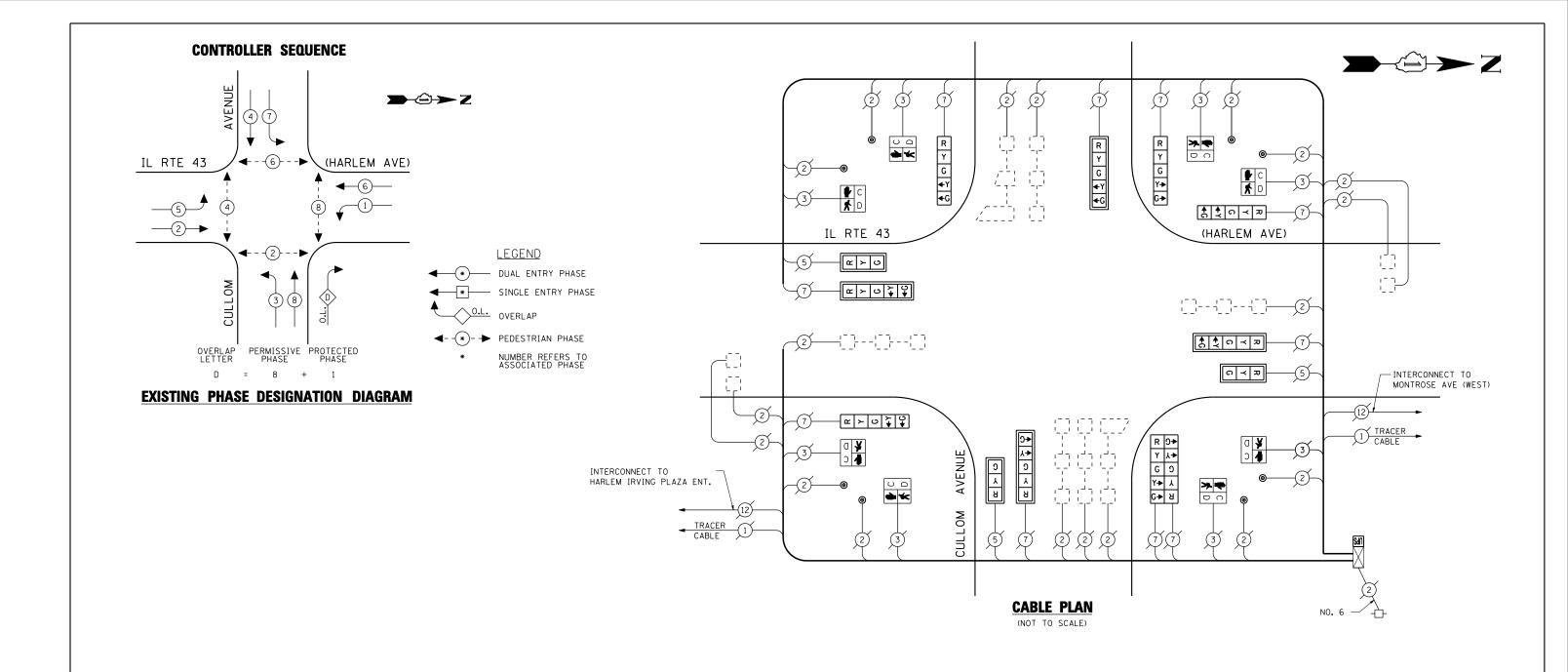
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 4 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 4 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 8 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 8 | EACH | PEDESTRIAN PUSH BUTTON |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 14375 NORRIDGE

| | COMPANY: COMMONWEALTH EDISON | | | | | | | NC | ORRIDGE | |
|-------------|------------------------------|------------------|-----------|------------------------------|---|-----------|---------------------------|---------------|-----------|------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | SCHEDULE OF QUANTITIES, CABLE PLAN | F.A.P. | SECTION | COUNTY | TOTAL S | HEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | AND PHASE DESIGNATION DIAGRAM | VAR. | 2013-036TS | СООК | 76 | 41 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | IL RTE 171 (CUMBERLAND AVENUE) AT FOSTER AVENUE | | | | CT NO. 60 | w82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | FED. ROAI | D DIST. NO ILLINOIS FEE | . AID PROJECT | | |



| | I.D.O. FIC SIGNAL ICAL SERVIC | INSTALL | | 5 | TOTAL | | |
|---|-------------------------------------|----------|--------|------------|---------|--|--|
| TYPE | NO LAMPS : | , WATT | AGE . | %OPERATION | WATTAGE | | |
| 1111 | NO LAWI 5 / | INCAND. | LED | <u> </u> | | | |
| SIGNAL (RED) | 13 | 135 | 17 | 0.50 | 110.5 | | |
| (YELLOW) | 13 | 135 | 25 | 0.25 | 81.25 | | |
| (GREEN) | 13 | 135 | 15 | 0.25 | 48.75 | | |
| ARROW | 20 | 135 | 12 | 0.10 | 24 | | |
| PED. SIGNAL | 8 | 90 | 25 | 1.00 | 200 | | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | | |
| ILLUM. SIGN | | 84 | | 0.05 | | | |
| | | | | | | | |
| FLASHER | | 135 | 25 | 0,50 | | | |
| ENERGY COSTS T | 0: | | | TOTAL = | 564.5 | | |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | | | |
| ENERGY SUPPLY CONTACT: XXX XXXXX | | | | | | | |
| | PHONE: (XX) | () XXX-X | XXX | | | | |
| (| COMPANY: COM | IMONWEAL | TH EDI | SON | | | |

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 5-SECTION, MAST ARM MOUNTED |
| 8 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 7 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 8 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

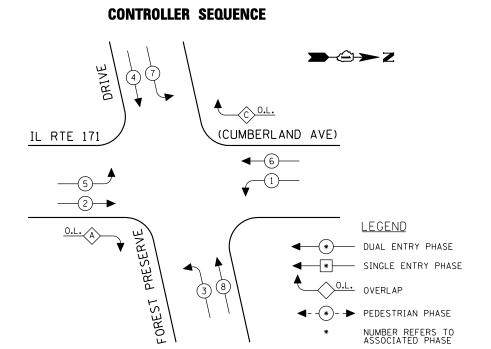
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 4 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 5-SECTION, MAST ARM MOUNTED |
| 8 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 7 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 8 | EACH | PEDESTRIAN PUSH-BUTTON |

THE TRAFFIC SIGNAL CONTROL EOUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 14395 NORRIDGE

| | COMI AITT | INIOITILAL III EDISOIT | | | | | | | | | | |
|-------------|-----------|------------------------|------------------|-----------|------------------------------|---------------|--|----------|---------------------------|-------------|---------|-------|
| FILE NAME = | | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHEDULE OF QUANTITIES, CABLE PLAN, | F.A.P. | SECTION | COUNTY | TOTAL | SHEET |
| \$FILEL\$ | | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | | AND PHASE DESIGNATION DIAGRAM | VAR. | 2013-036TS | COOK | 76 | 42 |
| | | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | IL RTE 43 (HARLEM AVENUE) AT CULLOM AVENUE | | | CONTRAC | T NO. f | 60W82 |
| | | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. OF SHEETS STA. TO STA. | FED. ROA | AD DIST. NO ILLINOIS FED. | AID PROJECT | | |



EXISTING PHASE DESIGNATION DIAGRAM

| OVERLAP LETTER | | PERMISSIVE PHASE | PROTECTED PHASE | | |
|-------------------|---|---------------------|--------------------|---|--|
| Α | = | 2 | + | 3 | |
| C | = | 6 | + | 7 | |

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 6 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

| TRAF ELECTR | TOTAL | | | | |
|---------------------------------------|----------------|---------|-------|------------|---------------|
| TYPE | NO LAMPS | WATT | AGE . | %OPERATION | WATTAGE |
| | | INCAND. | LED | Î | |
| SIGNAL (RED) | 14 | 135 | 17 | 0.50 | 119 |
| (YELLOW) | 14 | 135 | 25 | 0.25 | 87 . 5 |
| (GREEN) | 14 | 135 | 15 | 0.25 | 52 . 5 |
| ARROW | 24 | 135 | 12 | 0.10 | 28.8 |
| PED. SIGNAL | | 90 | 25 | 1.00 | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| | | | | | |
| | | | | | |
| FLASHER | | 135 | 25 | 0.50 | |
| ENERGY COSTS T | 387 . 8 | | | | |
| ILLINOIS DEPARTMENT OF TRANSPORTATION | | | | | |

ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX

PHONE: (XXX) XXX-XXXX COMPANY: COMMONWEALTH EDISON

| REMOVAL | ΟF | FXISTING | TRAFFIC | SIGNAL | EQUIPMENT |
|---------|----|----------|---------|--------|-----------|
| | | | | | |

EXISTING SAMPLING (SYSTEM) DETECTORS

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 2 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 2 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 6 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, 2-FACE, 5-SECTION, BRACKET MOUNTED |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE |

INTERCONNECT TO-

BELMONT AVENUE

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

!(CUMBERLAND | AVE)

→II· MA

6 TRACER CABLE

✓INTERCONNECT TO

ADDISON STREET

TS# 4960 NORRIDGE

FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED \$FILEL\$ DRAWN EA, EB REVISED CHECKED PKG REVISED 7/12/2013 PLOT DATE = \$DATE\$ DATE REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

MA III

P ·III

TRACER CABLE

IL RTE 171

| | | | QUANTITIES | | | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------|--|--------|------------|--------|----------------|----------------|----------------------------|-------------|-----------------|--------------|
| | AND PHASE DESIGNATION DIAGRAM RTE 171 (CUMBERLAND AVENUE) AT FOREST PRESERVE DRIVE | | | | | VAR. | 2013-036TS | COOK | 76 | 43 |
| L NI | E I/I (COMBE | INLAND | AVENUE) AT | rune31 | LUCSCUAE DUIAE | | | CONTRACT | NO. 6 | OW82 |
| | CHEET NO | ΛE | CHEETC | CTA | TO STA | De | AD DICT NO THE INDIC CED A | ID DDG IFOT | | |

↑ ↑ ∩ ≺ ₽

C + C × R

[8]

CABLE PLAN

(NOT TO SCALE)

МΑ

↑ ↑ C ≺ R α ≻ O ↑ ↑

RYCYCO

2

[a > 0 \ \ \

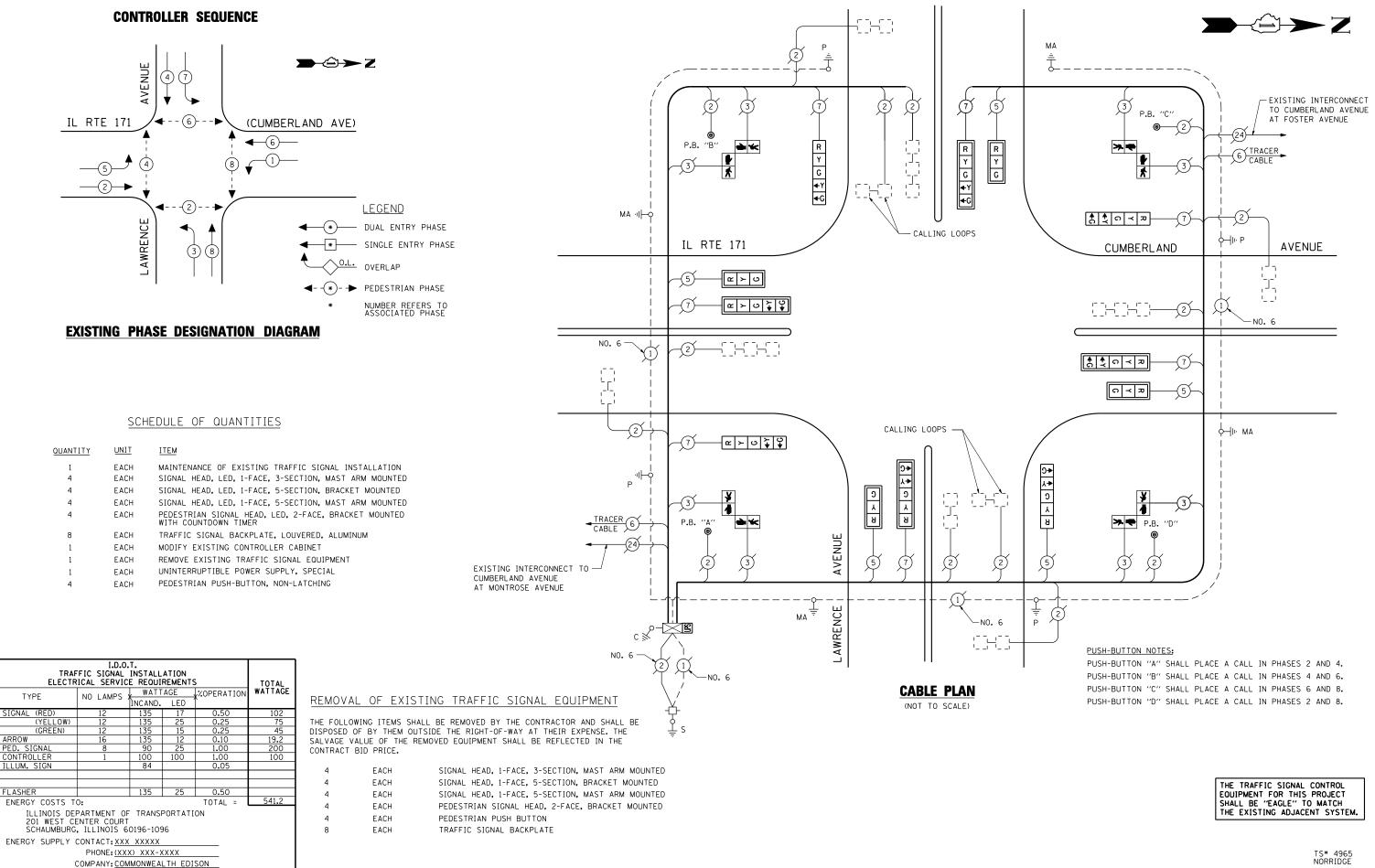
即

G 7 G 7 R 2 2 5 5 5

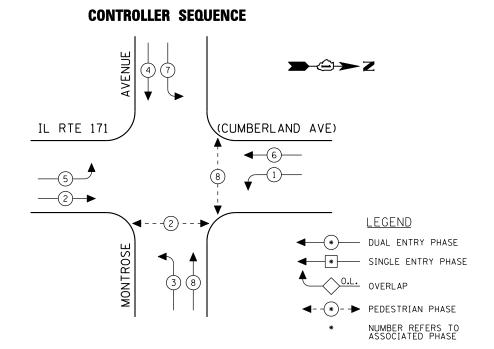
MA ∓

SCALE: N.T.S.

R



FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED SCHEDULE OF QUANTITIES, CABLE PLAN SECTION COUNTY STATE OF ILLINOIS \$FILEL\$ DRAWN EA, EB REVISED AND PHASE DESIGNATION DIAGRAM
IL RTE 171 (CUMBERLAND AVENUE) AT LAWRENCE AVENUE VAR. 2013-036TS COOK 76 44 CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W82 SCALE: N.T.S. SHEET NO. OF SHEETS STA. DATE 7/12/2013 PLOT DATE = \$DATE\$ REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT



EXISTING PHASE DESIGNATION DIAGRAM

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| | | |

| TRAF ELECTR | TOTAL | | | | |
|---------------------------------------|----------|------|-------|------------|---------|
| TYPE | NO LAMPS | WATT | AGE , | %OPERATION | WATTAGE |
| SIGNAL (RED) | 12 | 135 | 17 | 0.50 | 102 |
| (YELLOW) | 12 | 135 | 25 | 0.25 | 75 |
| (GREEN) | 12 | 135 | 15 | 0.25 | 45 |
| ARROW | 16 | 135 | 12 | 0.10 | 19.2 |
| PED. SIGNAL | 4 | 90 | 25 | 1.00 | 100 |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| | | | | | |
| FLASHER | | 135 | 25 | 0.50 | |
| ENERGY COSTS T | 0: | | | TOTAL = | 441.2 |
| ILLINOIS DEPARTMENT OF TRANSPORTATION | | | | | |

ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX

PHONE: (XXX) XXX-XXXX

COMPANY: COMMONWEALTH EDISON

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 4 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 4 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON |

EAST RIVER ROAD TRACER CABLE R Y G R Y G ←Y ←G INTERCONNECT TO -IRVING PARK ROAD **↑** ↑ ○ ≺ ₽ MA III (CUMBERLAND AVE) IL RTE 171 CALLING LOOPS **2** ≻ ∪ **↑** ↑ 0 ≺ R ର ≺ ଅ CALLING LOOPS ф-|I⊢ MA ~ > o \ \ \ +C +C C + A B \ A -- INTERCONNECT TO LAWRENCE AVENUE C K MONTROSE AVENUE 6 TRACER CABLE MA

МΑ

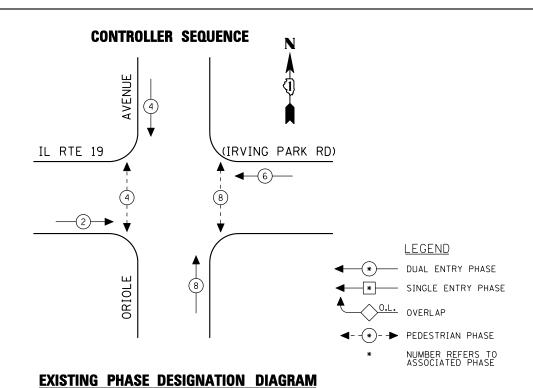
CABLE PLAN

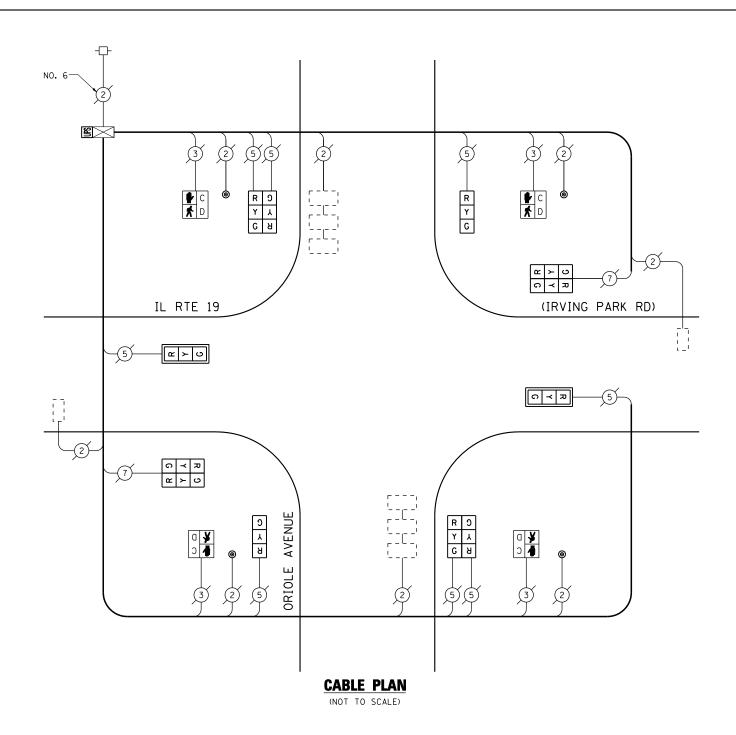
(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 4970 NORRIDGE

| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHEDULE OF QUANTITIES, CABLE PLAN | F.A.P. RTE. | SECTION | COUNTY | TOTAL | SHEET NO. |
|-------------|------------------------|------------------|-----------|------------------------------|---------------|---|----------------|--------------------------|-------------|---------|--------------|
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | | AND PHASE DESIGNATION DIAGRAM | VAR. | 2013-036TS | СООК | 76 | 45 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | IL RTE 171 (CUMBERLAND AVENUE) AT MONTROSE AVENUE | | | CONTRAC | T NO. F | OW82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. OF SHEETS STA. TO STA. | FED. ROA | D DIST. NO ILLINOIS FED. | AID PROJECT | | |





I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS TOTAL WATTAGE WATTAGE **OPERATION TYPE ÎNCAND. LED (YELLOW) (GREEN) ARROW PED. SIGNAL CONTROLLER ILLUM. SIGN ENERGY COSTS TO: TOTAL = ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 ENERGY SUPPLY CONTACT: XXX XXXXX PHONE: (XXX) XXX-XXXX

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 2 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| | | |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

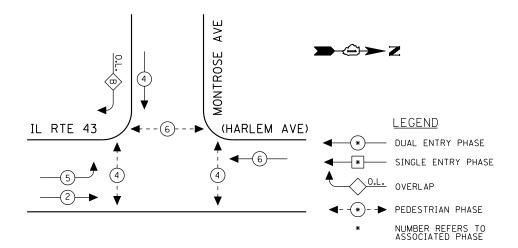
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 2 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
|---|------|--|
| 2 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 4 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 2 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON |

THE TRAFFIC SIGNAL CONTROL EOUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 1955 NORRIDGE

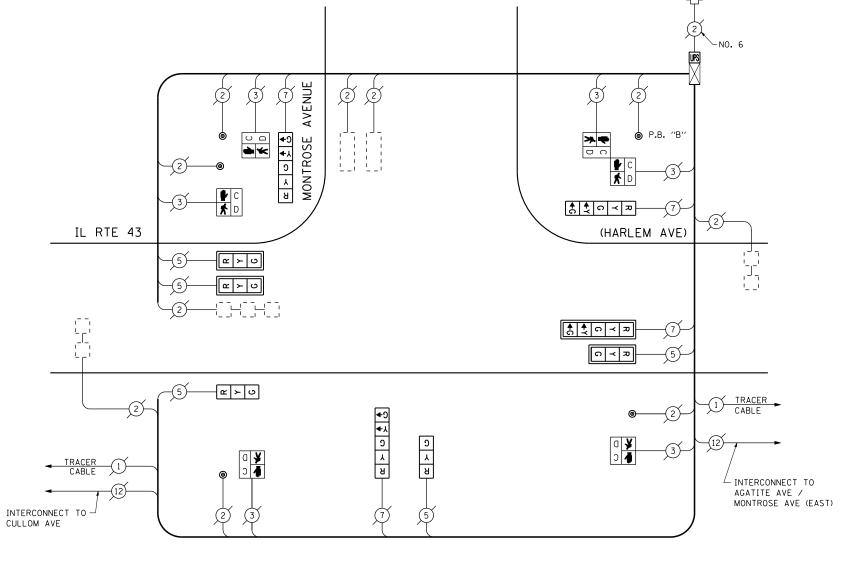
| COMPAN | NY: COMMONWEALTH EDISON | | | | | | | | NOF | RRÍDGE |
|-------------|-------------------------|------------------|---------------------|------------------------------|-------------------------------|---|----------|-----------------------------|------------|-------------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - 7/19/2013 | | | SCHEDULE OF QUANTITIES, CABLE PLAN | F.A.P. | SECTION | COUNTY | TOTAL SHEE |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | AND PHASE DESIGNATION DIAGRAM | | | 2013-036TS | соок | 76 46 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | IL RTE 19 (IRVING PARK ROAD) AT ORIOLE AVENUE | | | CONTRACT | T NO. 60W82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. OF SHEETS STA. TO STA. | FED. ROA | AD DIST. NO ILLINOIS FED. A | ID PROJECT | |



EXISTING PHASE DESIGNATION DIAGRAM

OVERLAP LETTER PERMISSIVE PROTECTED PHASE

B = 4 + 5



CABLE PLAN

(NOT TO SCALE)

PUSH-BUTTON NOTE:

PUSH-BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.

SCHEDULE OF QUANTITIES

| | FIC SIGNAL ICAL SERVIC | E REQUI | REMENTS | 5 | TOTAL |
|---|---------------------------|---------------|---------|------------|---------|
| TYPE | NO LAMPS : | WATTAGE | | %OPERATION | WATTAGE |
| 2 | | ÎNCAND. LED Î | | Î. | |
| SIGNAL (RED) | 9 | 135 | 17 | 0.50 | 76.5 |
| (YELLOW) | 9 | 135 | 25 | 0.25 | 56.25 |
| (GREEN) | 9 | 135 | 15 | 0.25 | 33.75 |
| ARROW | 8 | 135 | 12 | 0.10 | 9.6 |
| PED. SIGNAL | 6 | 90 | 25 | 1.00 | 150 |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| | | | | | |
| | | | | | |
| FLASHER | | 135 | 25 | 0.50 | |
| ENERGY COSTS TO | 0: | | | TOTAL = | 426.1 |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | |
| ENERGY SUPPLY (| CONTACT: XXX | XXXXX | | | |
| | PHONE: (XX) | x) xxx-x | XXX | | |
| , | COMPANY: COM | | | SON | |

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| 5 | EACH | PEDESTRIAN PUSH-BUTTON, NON-LATCHING |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

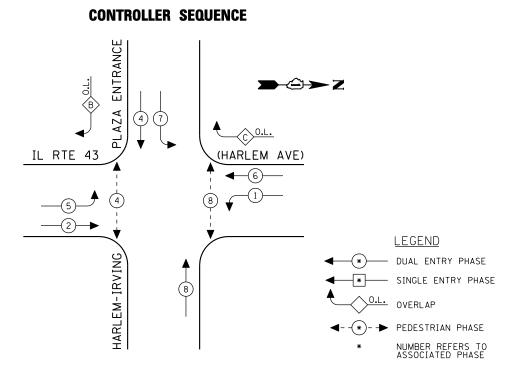
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 2 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
|---|------|--|
| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 3 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED |
| 5 | EACH | PEDESTRIAN PUSH BUTTON |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 2375 NORRIDGE

| | COMPANT: COM | MINIONWEALTH EDISON | | | | | | | | ., | | |
|--------|--------------|------------------------|------------------|-----------|------------------------------|---------------|---|----------|--------------------------|-------------|-------|-------|
| FILE | NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHEDULE OF QUANTITIES. CABLE PLAN | F.A.P. | SECTION | COUNTY | TOTAL | SHEET |
| \$FILE | L\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | | AND PHASE DESIGNATION DIAGRAM | VAR. | 2013-036TS | соок | 76 | 47 |
| | | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | IL. | RTE 43 (HARLEM AVENUE) AT MONTROSE AVENUE (SOUTH) | | | CONTRACT | NO. 6 | OW82 |
| | | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. OF SHEETS STA. TO STA. | FED. ROA | AD DIST. NO ILLINOIS FED | AID PROJECT | | |
| | | | | | | | | | | | | |



EXISTING PHASE DESIGNATION DIAGRAM

| OVERLAP LETTER | | PERMISSIV PHASE | PROTECTED PHASE | |
|-------------------|---|--------------------|-----------------|---|
| В | = | 4 | + | 5 |
| С | = | 6 | + | 7 |

PLAZA ENTRANCE R ← S Y ← A G S A B R Y G IL RTE 43 (HARLEM AVE) <u>د کی کی کی ا</u> ~ > o \ \ \ **★** ○ ≺ ¬ ର ≺ ଅ େ **୪** ଅ ○★ ↓ ★ ○ ↓ ८ </tr HARLEM-IRVING TRACER 1 - INTERCONNECT TO CULLOM AVE INTERCONNECT TO -FOREST PRESERVE DR **CABLE PLAN** (NOT TO SCALE)

SCHEDULE OF QUANTITIES

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS TOTAL | | | | | | | |
|---|-------------|----------|-------|------------|---------|--|--|
| TYPE | NO LAMPS | WATT | AGE , | %OPERATION | WATTAGE | | |
| SIGNAL (RED) | 14 | 135 | 17 | 0.50 | 119 | | |
| (YELLOW) | 14 | 135 | 25 | 0.25 | 87.5 | | |
| (GREEN) | 14 | 135 | 15 | 0.25 | 52.5 | | |
| ARROW | 20 | 135 | 12 | 0.10 | 24 | | |
| PED. SIGNAL | 4 | 90 | 25 | 1.00 | 100 | | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | | |
| ILLUM. SIGN | | 84 | | 0.05 | | | |
| | | | | | | | |
| FLASHER | | 135 | 25 | 0.50 | | | |
| ENERGY COSTS T | 0: | | | TOTAL = | 483 | | |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | | | |
| ENERGY SUPPLY CONTACT: XXX XXXXX | | | | | | | |
| | PHONE: (XX) | X) XXX-X | XXX | | | | |

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 5 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 7 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

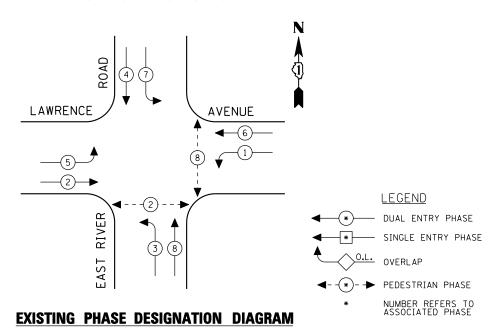
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 2 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|---|
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 5 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 5-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTON, BRACKET MOUNTED |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 7 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON |
| | | |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

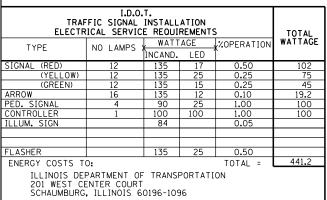
TS# 10125 NORRIDGE

| | COMPANY: COMMONWEALTH EDISON | | | | | | | | | | | NOI | ORRIDGE |
|-------------|------------------------------|----------------|------------------|------------------------------|-------------------------------|--|-------------|--------------|------------|----------|------------------------|----------------|-------------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHEDULE | OF QUANTITI | ES. CABLE PL | AN | F.A.P. | SECTION | COUNTY | TOTAL SHEET |
| \$FILEL\$ | | DRAWN - EA, | EB REVISED - | STATE OF ILLINOIS | AND PHASE DESIGNATION DIAGRAM | | | VAR. | 2013-036TS | соок | 76 48 | | |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | IL RTE 43 (HARLEM AVENUE) AT HARLEM-IRVING PLAZA | | | | | | | T NO. 60W82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12 | 2/2013 REVISED - | | SCALE: N.T.S. | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | | | TO STA. | FED. ROA | D DIST. NO ILLINOIS FE | D. AID PROJECT | |



SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |



ENERGY SUPPLY CONTACT: XXX XXXXX

PHONE: (XXX) XXX-XXXX COMPANY: COMMONWEALTH EDISON

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 4 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 4 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| Δ | EACH | PENESTRIAN PUSH-RUTTON |

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

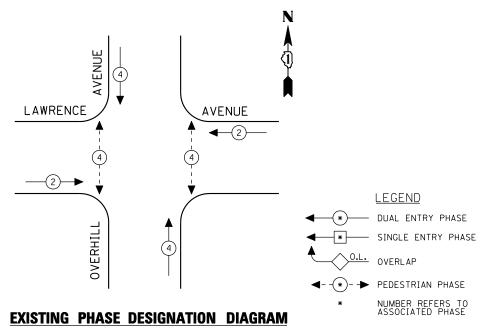
TS# 5435 NORRIDGE

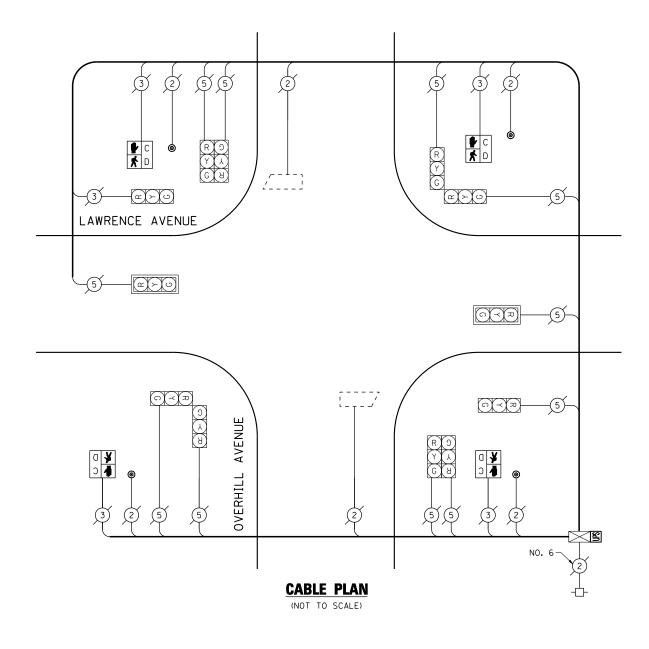
COUNTY TOTAL SHEET NO.

COOK 76 49 FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED SCHEDULE OF QUANTITIES, CABLE PLAN SECTION COUNTY **STATE OF ILLINOIS** AND PHASE DESIGNATION DIAGRAM
EAST RIVER ROAD AT LAWRENCE AVENUE \$FILEL\$ DRAWN EA, EB REVISED 2013-036TS VAR. CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W82 7/12/2013 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. PLOT DATE = \$DATE\$ DATE REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

| 2 | <u> </u> | NO. 6 |
|---|---------------------------------------|---|
| 7 R Y G -4Y -4G | 2 2 7 5 5 R R Y G G | 3 2 E |
| LAWRENCE AVENUE | | \$ \$ 0 < ₽ 7 |
| 5 <u><u><u>a</u> > 0</u> 7 <u><u><u>a</u> > 0 } 9</u></u></u> | CALLING LOOPS— | 2 2 |
| | | \$ \$ ○ < ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ ¬ |
| 2 (7) (a) > (b) \$\frac{1}{2}\$ | 9+ 1 | → 3 |
| (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4 | A A A A A A A A A A | 3 2 |
| EAST | \(\frac{1}{2}\) | 2 |
| | CABLE PLAN | |

CARLE LIVE (NOT TO SCALE)





| I.D.O.T. | | | | | | | | | | | | |
|----------------|--|-----------------|-------|------------|---------|--|--|--|--|--|--|--|
| TRAF ELECTR | TOTAL | | | | | | | | | | | |
| TYPE | NO LAMPS : | WATT INCAND. | AGE . | %OPERATION | WATTAGE | | | | | | | |
| SIGNAL (RED) | 12 | 135 | 17 | 0.50 | 102 | | | | | | | |
| (YELLOW) | 12 | 135 | 25 | 0.25 | 75 | | | | | | | |
| (GREEN) | 12 | 135 | 15 | 0.25 | 45 | | | | | | | |
| ARROW | | 135 | 12 | 0.10 | | | | | | | | |
| PED. SIGNAL | 4 | 90 | 25 | 1.00 | 100 | | | | | | | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | | | | | | | |
| ILLUM. SIGN | | 84 | | 0.05 | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| FLASHER | | 135 | 25 | 0.50 | | | | | | | | |
| ENERGY COSTS T | 0: | | | TOTAL = | 422 | | | | | | | |
| 201 WEST C | PARTMENT OF ENTER COURT . ILLINOIS 6 | | | ON | | | | | | | | |

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | ITEM |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 4 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

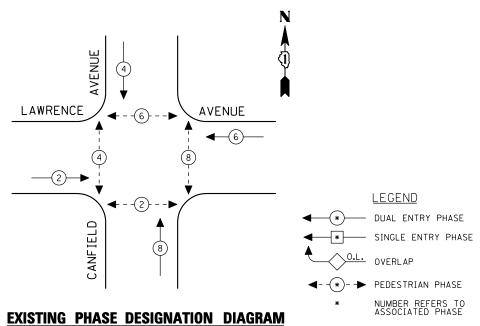
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

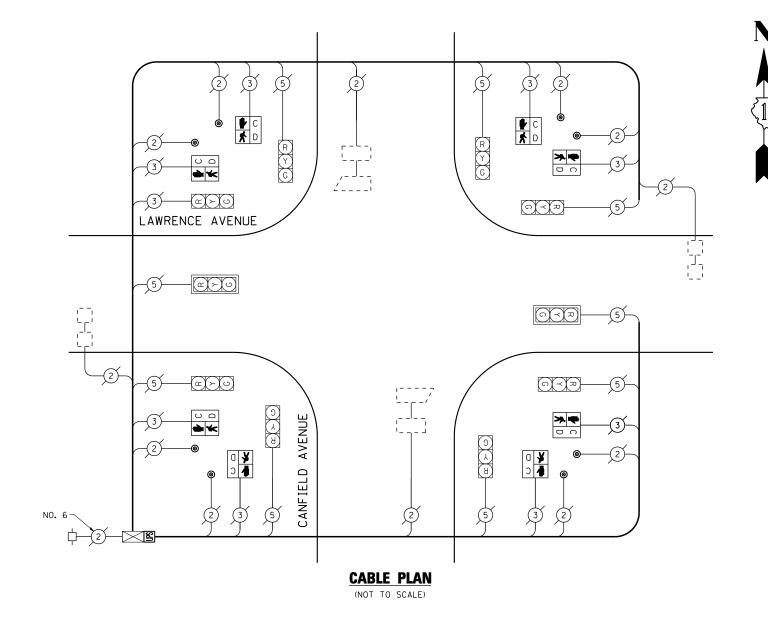
4 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED
4 EACH PEDESTRIAN PUSH-BUTTON

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

TS# 14390 NORRIDGE

| | COMPANY: COM | MONWEALTH EDISON | | | | | | | NOR | RRIDGE |
|------|--------------|------------------------|------------------|-----------|------------------------------|--|----------------|-----------------------|-------------|---------------------------|
| FIL | .E NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | SCHEDULE OF QUANTITIES, CABLE PLAN | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEET SHEETS NO. |
| \$FI | ILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | AND PHASE DESIGNATION DIAGRAM | VAR. | 2013-036TS | соок | 76 50 |
| | | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | LAWRENCE AVENUE AT OVERHILL AVENUE | | | | NO. 60W82 |
| | | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | FED. ROAD DI | IST. NO ILLINOIS FED. | AID PROJECT | |





| TRAF ELECTR | 5 | TOTAL | | | |
|----------------|--|-------|-------|------------|---------|
| TYPE | NO LAMPS : | WATT | AGE . | %OPERATION | WATTAGE |
| SIGNAL (RED) | 10 | 135 | 17 | 0.50 | 85 |
| (YELLOW) | 10 | 135 | 25 | 0.25 | 62.5 |
| (GREEN) | 10 | 135 | 15 | 0.25 | 37.5 |
| ARROW | | 135 | 12 | 0.10 | |
| PED. SIGNAL | 8 | 90 | 25 | 1.00 | 200 |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| | | | | | |
| | | | | | |
| FLASHER | | 135 | 25 | 0.50 | |
| ENERGY COSTS T | 0: | | | TOTAL = | 485 |
| 201 WEST CE | PARTMENT OF ENTER COURT , ILLINOIS 6 | | | ON | |

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 8 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 8 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

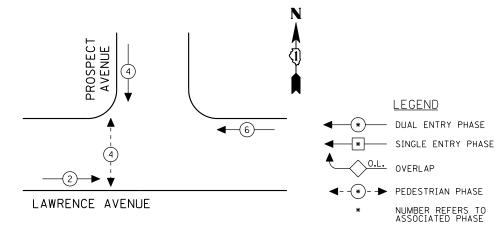
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED 8 EACH PEDESTRIAN PUSH-BUTTON

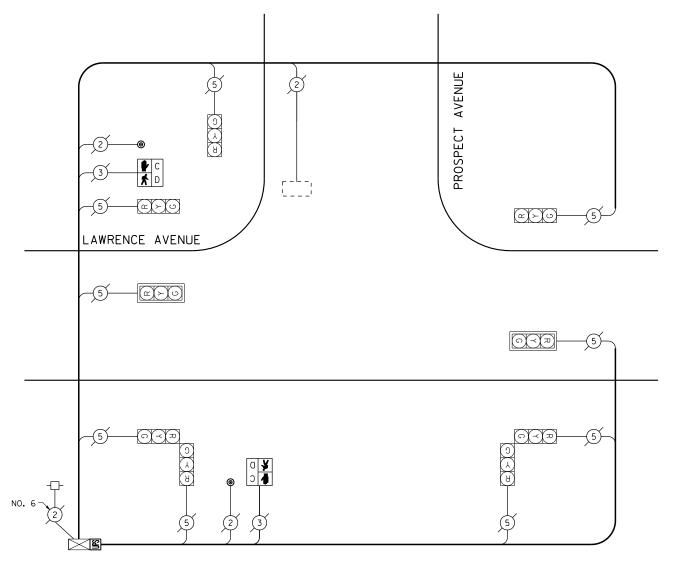
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 14385 NORRIDGE

| | COMPANY: CO | MMONWEALTH EDISON | | | | | | | | NOF | RRIDGE |
|---|-------------|------------------------|------------------|-----------|------------------------------|-----------------------------------|---------------|-------------|-----------------------|-------------|-------------|
| Ī | FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | SCHEDULE OF QUANTITIES | S, CABLE PLAN | F.A.P. | SECTION | COUNTY | TOTAL SHEET |
| | \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | AND PHASE DESIGNATION | VAR. | 2013-036TS | соок | 76 51 | |
| | | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | LAWRENCE AVENUE AT CA | | | CONTRAC | T NO. 60W82 | |
| L | | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS | STA. TO STA. | FED. ROAD D | IST. NO ILLINOIS FED. | AID PROJECT | |



EXISTING PHASE DESIGNATION DIAGRAM



CABLE PLAN (NOT TO SCALE)

| TRAFFIC SIGNAL INSTALLATION | TOTAL | WATTAGE | TYPE | NO LAMPS | WATTAGE | NO LAMPS |

ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX

PHONE: (XXX) XXX-XXXX

COMPANY: COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 2 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

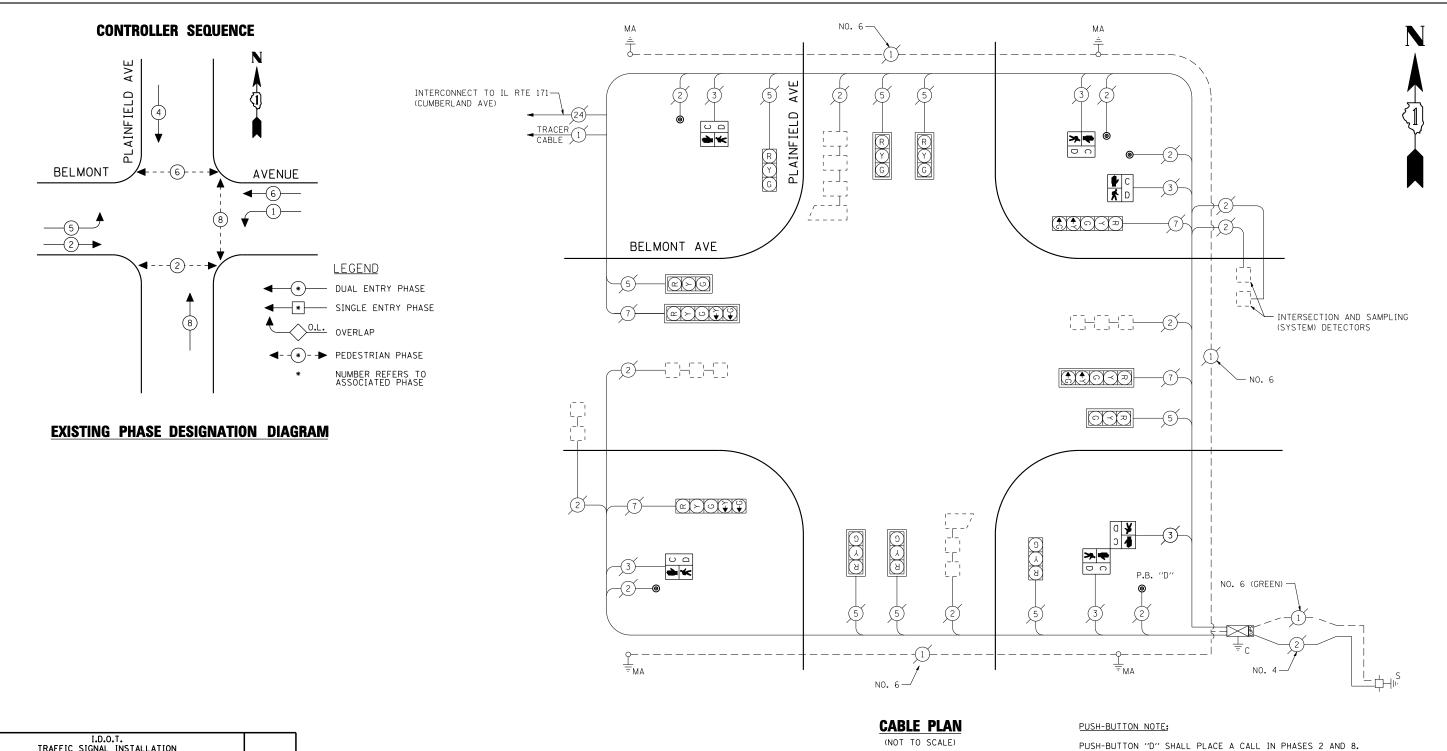
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED
2 EACH PEDESTRIAN PUSH-BUTTON

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

TS# 14380 NORRIDGE

| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | SCHEDULE OF QUANTITIES, CABLE PLAN | | | | | | F.A.P. | SECTION | COUNTY | TOTAL | SHEET NO. |
|-------------|------------------------|------------------|-----------|------------------------------|------------------------------------|-----------|----|--------|------------|------------------|-----------|------------------------|---------------|-------|--------------|
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | AND PHASE DESIGNATION DIAGRAM | | | VAR. | 2013-036TS | СООК | 76 | 52 | | | |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | LAWRENCE AVENUE AT PROSPECT AVENUE | | | | | CONTRACT NO. 60W | | | OW82 | | |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. | OF | SHEETS | STA. | TO STA. | FED. ROAD | DIST. NO ILLINOIS FED. | . AID PROJECT | | |



| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | | TOTAL |
|---|------------|-------------------|-------|------------|---------|
| TYPE | NO LAMPS) | . WATT INCAND. | AGE , | %OPERATION | WATTAGE |
| SIGNAL (RED) | 12 | 135 | 17 | 0.50 | 102 |
| (YELLOW) | 12 | 135 | 25 | 0.25 | 75 |
| (GREEN) | 12 | 135 | 15 | 0.25 | 45 |
| ARROW | 8 | 135 | 12 | 0.10 | 9.6 |
| PED. SIGNAL | 6 | 90 | 25 | 1.00 | 150 |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| | | | | | |
| | | | | | |
| FLASHER | | 135 | 25 | 0.50 | |
| ENERGY COSTS TO | 0: | | | TOTAL = | 481.6 |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | |

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 4 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 5 | EACH | PEDESTRIAN PUSH-BUTTON, NON-LATCHING |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

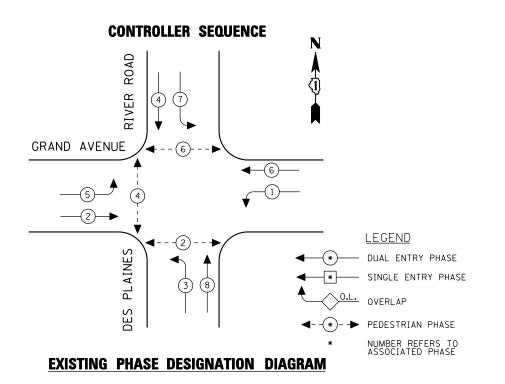
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 4 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
|---|------|---|
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED |
| 5 | EACH | PEDESTRIAN PUSH-BUTTON |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 4204 RIVER GROVE

| | COMPANY: COMMONWEALTH EDISON | | | | | | | | ŔĬ | VER GROVE |
|-------------|------------------------------|------------------|-----------|------------------------------|---------------|------------------------------------|------|-----------------------------|-----------------|-------------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHEDULE OF QUANTITIES, CABLE PLAN | F.A. | P. SECTION | COUNTY | TOTAL SHEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | | AND PHASE DESIGNATION DIAGRAM | VA | R. 2013-036TS | СООК | 76 53 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | BELMONT AVE AT PLAINFIELD AVENUE | | | | T NO. 60W82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. OF SHEETS STA. TO STA. | FED | . ROAD DIST. NO ILLINOIS FE | ED. AID PROJECT | |



QUANTITY <u>UNIT</u> EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION MODIFY EXISTING CONTROLLER CABINET EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL EACH

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | | TOTAL |
|--|------------|------|-------|------------|---------|
| TYPE | NO LAMPS > | WATT | AGE . | %OPERATION | WATTAGE |
| SIGNAL (RED) | 12 | 135 | 17 | 0.50 | 102 |
| (YELLOW) | 12 | 135 | 25 | 0.25 | 75 |
| (GREEN) | 12 | 135 | 15 | 0.25 | 45 |
| ARROW | 16 | 135 | 12 | 0.10 | 19.2 |
| PED. SIGNAL | 6 | 90 | 25 | 1.00 | 150 |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| | | | | | |
| | | | | | |
| FLASHER | | 135 | 25 | 0.50 | |
| ENERGY COSTS T | 0: | | | TOTAL = | 491.2 |
| ILLINOIS DEPARTMENT OF TRANSPORTATION | | | | | |

201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 ENERGY SUPPLY CONTACT: XXX XXXXX

FILE NAME

\$FILEL\$

PHONE: (XXX) XXX-XXXX COMPANY: COMMO

| : <u>СОМ</u> | MONWEALTH EDISON | | | | | | |
|--------------|------------------------|---------|-----|-----------|---------|---|---|
| | USER NAME = \$USER\$ | DESIGNE | D - | PKG | REVISED | - | |
| | | DRAWN | - | EA, EB | REVISED | - | |
| | PLOT SCALE = \$SCALE\$ | CHECKE | D - | PKG | REVISED | - | 1 |
| | PLOT DATE = \$DATE\$ | DATE | - | 7/12/2013 | REVISED | - | |
| | | | | | | | |

DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES GRAND AVENUE AT DES PLAINES RIVER ROAD SHEET NO. OF SHEETS STA. TO STA.

SCALE: N.T.S.

COUNTY TOTAL SHEET NO. COOK 76 54 SECTION COUNTY 2013-036TS CONTRACT NO. 60W82

FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

VAR.

THE TRAFFIC SIGNAL CONTROL EOUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

COMMUNICATION ANTENNA ROAD RIVER (w) (w) (w)GRAND AVE (W) (W) (W) (C)(C)(C) **2** PLAINES

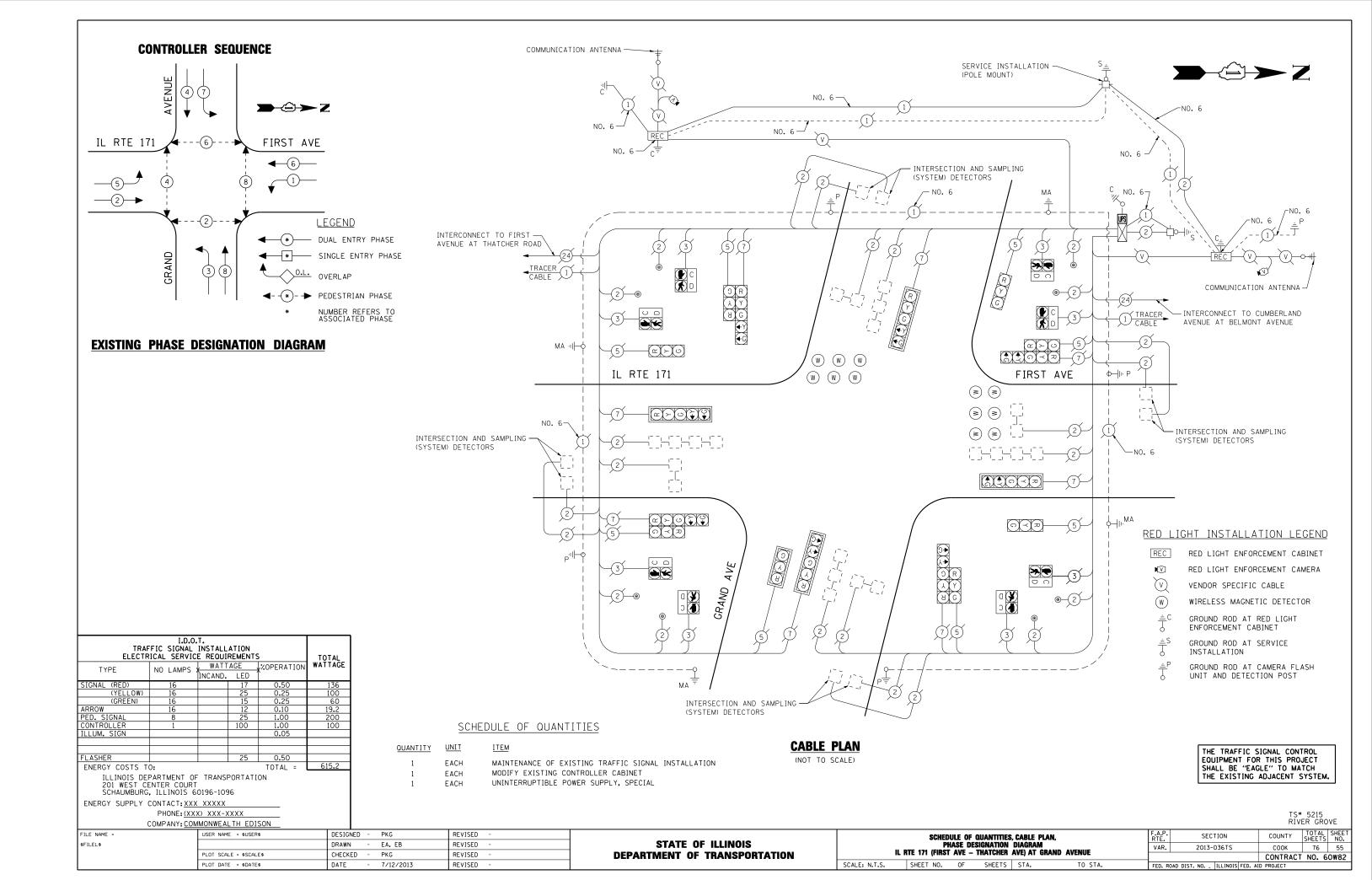
CABLE PLAN

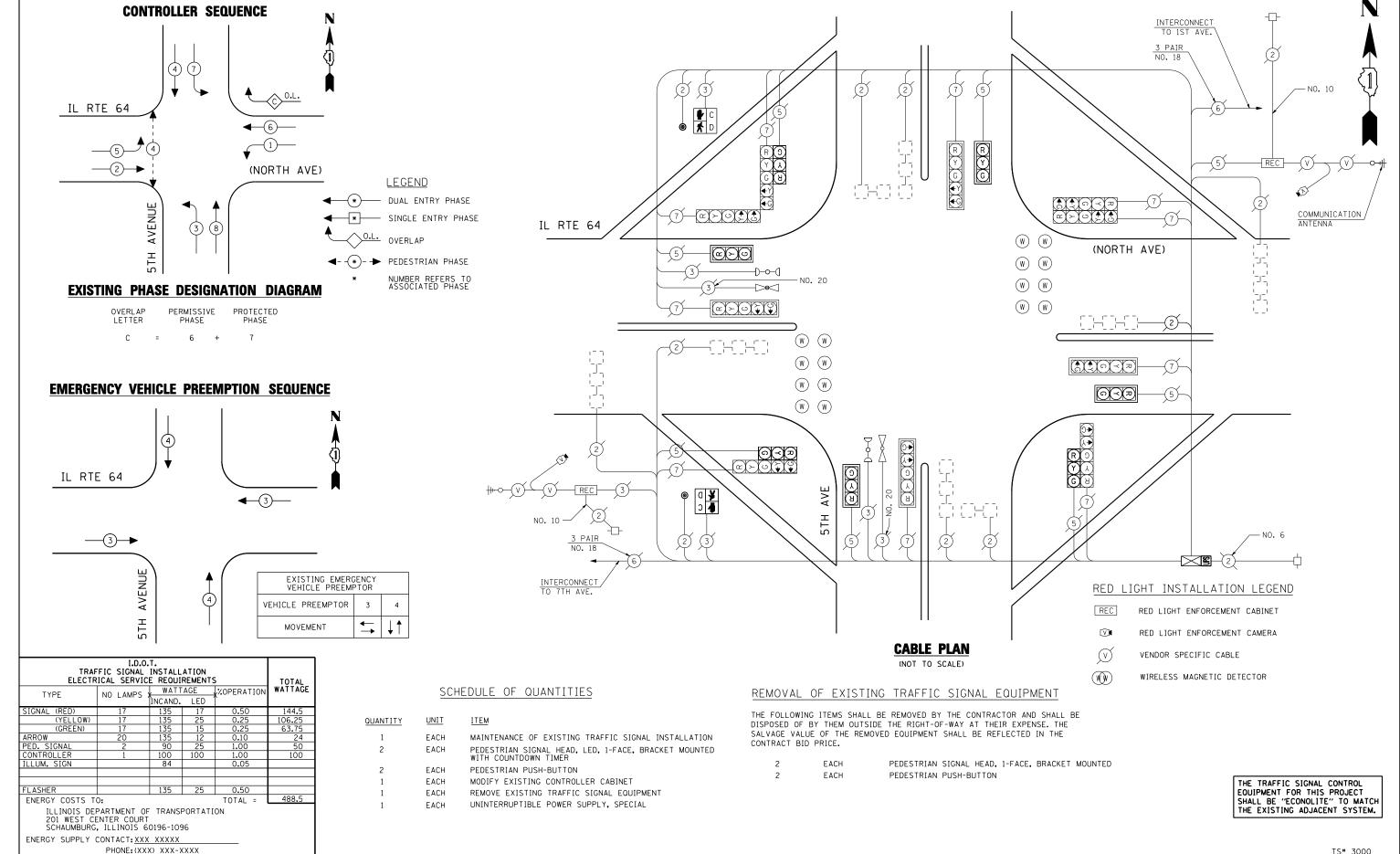
(NOT TO SCALE)

TS# 4985 RIVER GROVE

| STATE OF ILLINOIS | |
|------------------------------|--|
| | |
| DEPARTMENT OF TRANSPORTATION | |

NO. 6

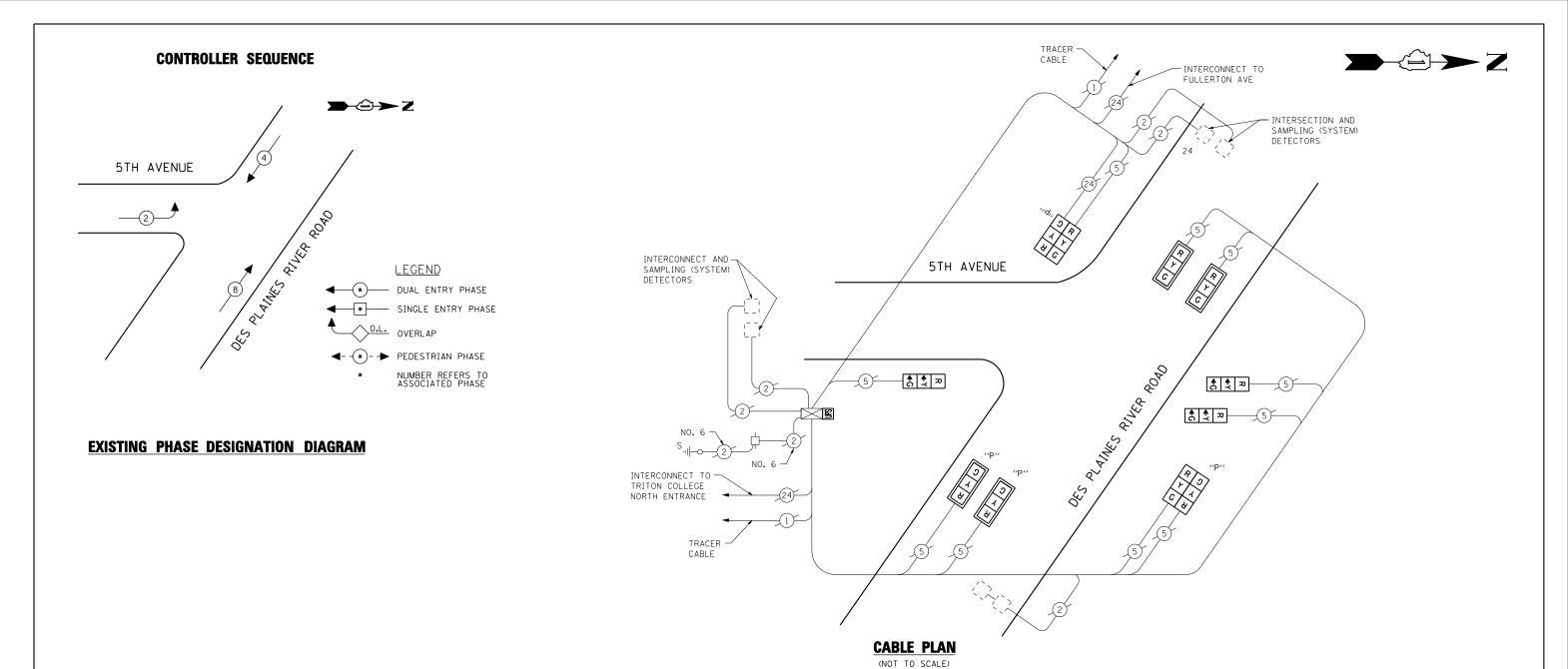




TS# 3000 RIVER GROVE

USER NAME = \$USER\$ PKG REVISED FILE NAME DESIGNED -SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION SECTION COUNTY STATE OF ILLINOIS \$FILEL\$ DRAWN EA, EB REVISED DIAGRAM AND EMERGENCY VEHICLE PREEMPTION IL RTE 64 (NORTH AVE) AT 5TH AVENUE VAR. 2013-036TS COOK 76 56 CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W82 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. 7/12/2013 PLOT DATE = \$DATE\$ DATE REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

COMPANY: COMMONWEAL TH EDISON



| TRAF ELECTR | TOTAL | | | | |
|---|--------------|----------|--------|------------|----------------|
| TYPE | NO LAMPS | WATT | AGE 、 | %OPERATION | WATTAGE |
| | | INCAND. | LED ´ | | |
| SIGNAL (RED) | 11 | 135 | 17 | 0.50 | 93 . 5 |
| (YELLOW) | 11 | 135 | 25 | 0.25 | 68.75 |
| (GREEN) | 11 | 135 | 15 | 0.25 | 41.25 |
| ARROW | | 135 | 12 | 0.10 | |
| PED. SIGNAL | | 90 | 25 | 1.00 | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| | | | | | |
| FLASHER | | 135 | 25 | 0.50 | |
| ENERGY COSTS T | 0: | | | TOTAL = | 303 . 5 |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | |
| ENERGY SUPPLY CONTACT: XXX XXXXX | | | | | |
| | PHONE: (XX) | X) XXX-X | XXX | | |
| (| COMPANY: COM | MONWEA | TH EDI | SON | |

| QUANTITY | <u>UNI I</u> | <u>ITEM</u> |
|----------|--------------|--|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 2 | EACH | COMBINATION SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| | | |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

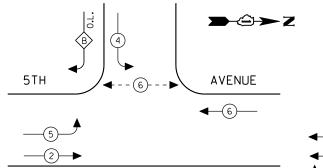
| 2 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|---|
| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 2 | EACH | COMBINATION SIGNAL HEAD, 2-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE |

THE TRAFFIC SIGNAL CONTROL EOUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 3680 RIVER GROVE

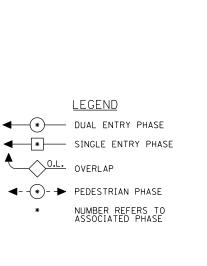
| 001111 711111 <u>0</u> | JAMEST EDIOCH | | | | | | | | |
|------------------------|------------------------|------------------|-----------|------------------------------|--|-----------|------------------------|-------------|-------------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | CABLE PLAN, PHASE DESIGNATION | F.A.P. | SECTION | COUNTY | TOTAL SHEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | DIAGRAM AND SCHEDULE OF QUANTITIES | VAR. | 2013-036TS | соок | 76 57 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | 5TH AVENUE AT DES PLAINES RIVER ROAD | | | CONTRACT | NO. 60W82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | FED. ROAD | DIST. NO ILLINOIS FED. | AID PROJECT | |





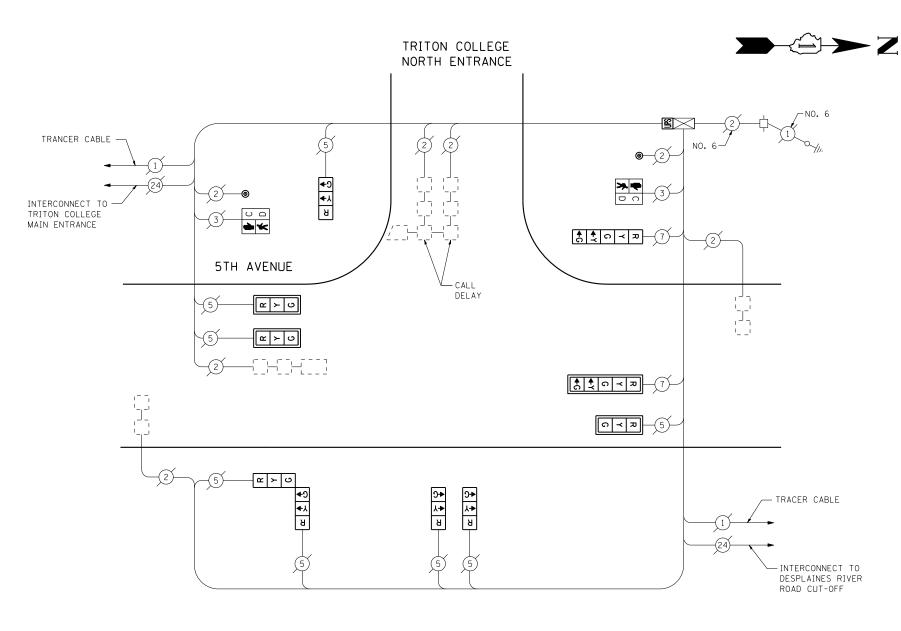
EXISTING PHASE DESIGNATION DIAGRAM

OVERLAP PERMISSIVE PROTECTED LETTER PHASE B = 4 + 5



LEGEND

>0.L. OVERLAP



CABLE PLAN

(NOT TO SCALE)

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS TOTAL WATTAGE WATTAGE **OPERATION TYPE INCAND. LED

(YELLOW) (GREEN) PED. SIGNAL CONTROLLER ILLUM. SIGN ENERGY COSTS TO: TOTAL =

ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX PHONE: (XXX) XXX-XXXX COMPANY: COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 2 | EACH | PEDESTRIAN PUSH-BUTTON |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

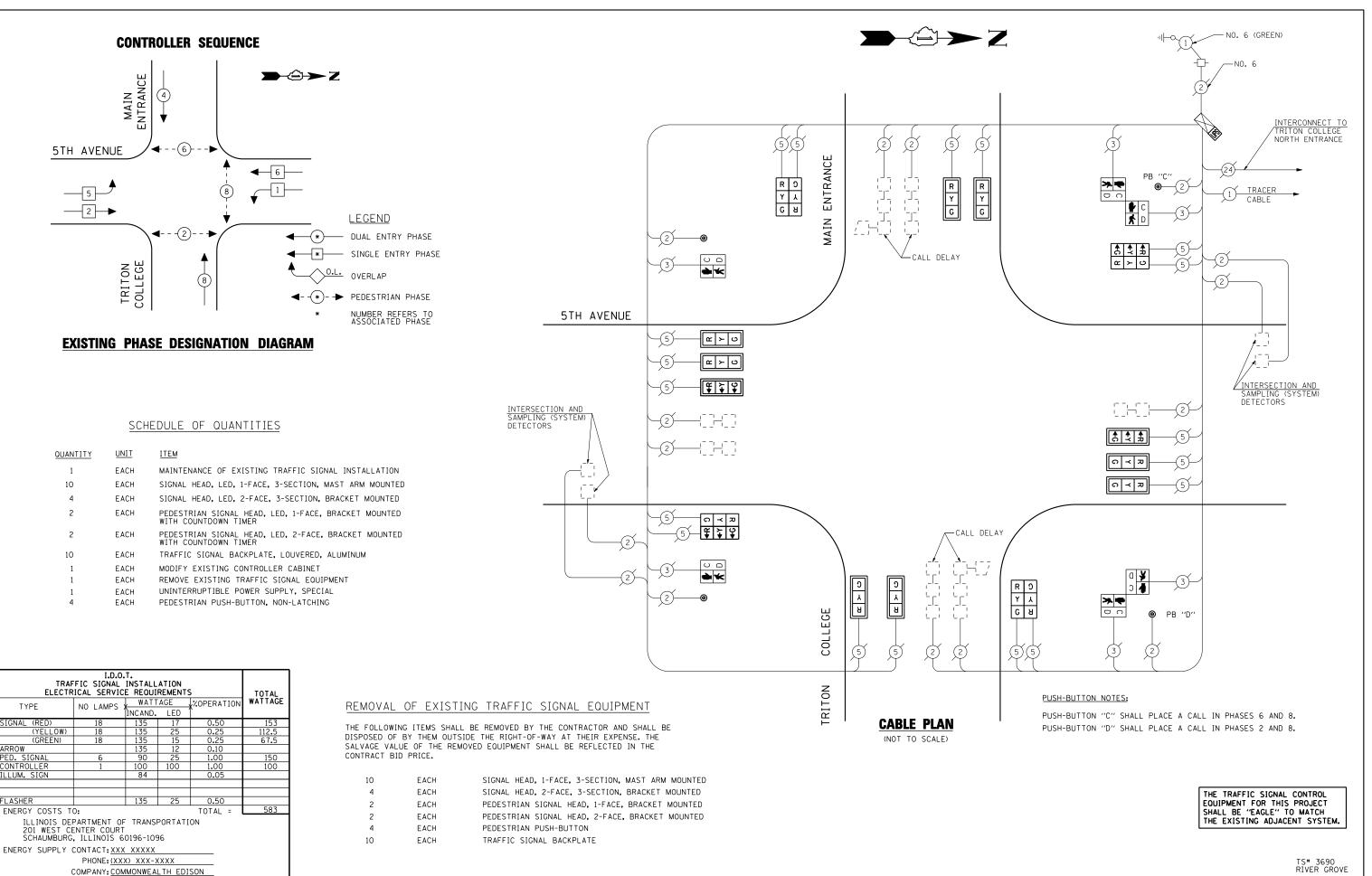
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN PUSH BUTTON |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 3685 RIVER GROVE

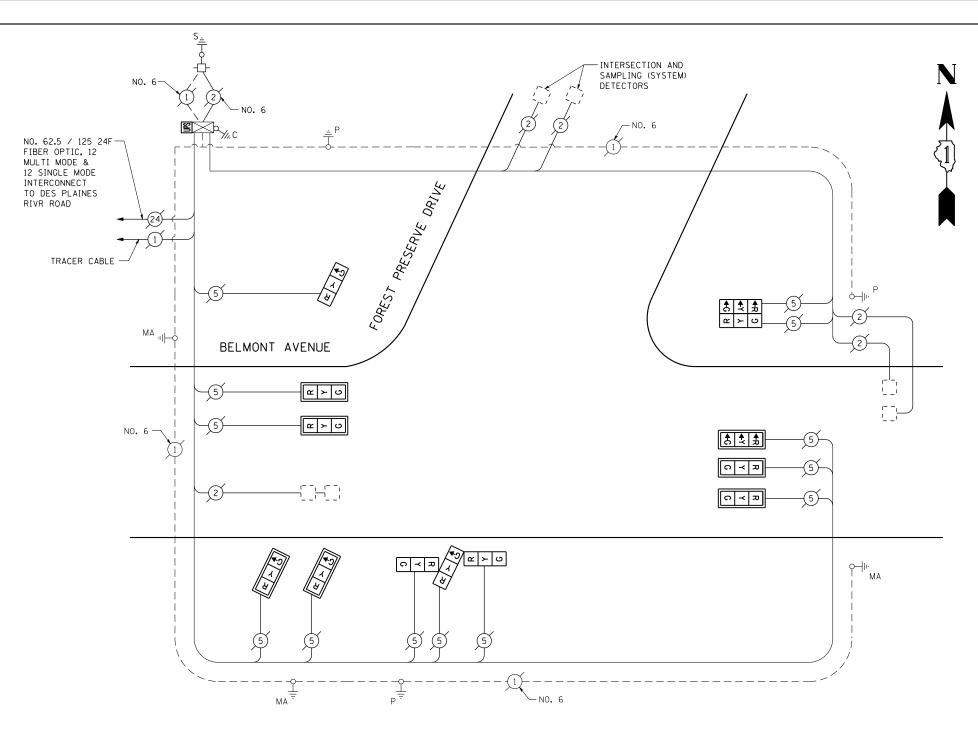
| | COMPANT: CON | INIONWLALIII LDISON | | | | | | | | | | | | | | | | |
|-----------|--------------|------------------------|------------------|-----------|------------------------------|----------------|-----------|---------|----------|----------|-------------|---------|-----------|----------|------------------|-----------|-------|--------|
| FILE NAM | 1E = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHE | DULE OF | QUANTIT | IES. CAI | BLE PLAN AI | VD | F.A.P. | SECT | TION | COUNTY | TOTAL | L SHEE |
| \$FILEL\$ | | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | | | PHASE | DESIGNA | TION D | DIAGRAM | | VAR. | 2013-0 | 036TS | COOK | 76 | 58 |
| | | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | 5TH AVEN | NUE AT | TRITON C | OLLEGE | NORTH ENT | RANCE | | | | CONTRAC | T NO. | 60W82 |
| | | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO | 0. OF | SHE | EETS | STA. | TO STA. | FED. ROAD | DIST. NO | ILLINOIS FED. A | D PROJECT | | |
| | | | 771272010 | TETTOES | l . | 30/1221 111101 | Jones III | · · | 0110 | | | | TED. NOAD | D131. NO | ILLINOIS I LD. A | D TROOLET | | |



FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED SCHEDULE OF QUANTITIES, CABLE PLAN SECTION COUNTY STATE OF ILLINOIS \$FILEL\$ DRAWN EA, EB REVISED AND PHASE DESIGNATION DIAGRAM VAR. 2013-036TS COOK 76 59 5TH AVENUE AT TRITON COLLEGE MAIN ENTRANCE CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W82 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. 7/12/2013 PLOT DATE = \$DATE\$ DATE REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

EXISTING SEQUENCE OF OPERATION

| MOVEMENT (1) | | 5- 2- | / - | • • | 2 - | | -6 → | F |
|--|-----|------------|------------|--------|-----|----|----------------|----|
| PHASE | | 2+5 | | | | | | |
| INTERVAL | | 1 | 2A | 2B | 4 | 4A | 4B | |
| CHANGE TO | | 2+ | +6 | | 2+ | -5 | S | |
| BELMONT NEAR RIGHT AND MID MAST ARM SIGNALS | E/B | G | G | G | G | G | G | R |
| BELMONT FAR LEFT AND END MAST ARM SIGNALS | E/B | ◆ G | ◆ Υ | ◆R | ◆R | ◆R | ◆R | ◆R |
| BELMONT ALL SIGNALS | W/B | R | R | R | G | Υ | R | R |
| FOREST PRESERVE DRIVE ALL SIGNALS | S/B | G→ | Υ | R | R | R | R | R |



CABLE PLAN

(NOT TO SCALE)

| I.D.O.T. | TRAFFIC SIGNAL INSTALLATION | ELECTRICAL SERVICE REQUIREMENTS | TOTAL | WATTAGE | % OPERATION | WATTAGE | % OPERATION | WATTAGE | % OPERATION | SIGNAL (RED) | 13 | 135 | 17 | 0.50 | 110.5 | (YELLOW) | 13 | 135 | 25 | 0.25 | 81.25 | (GREEN) | 13 | 135 | 15 | 0.25 | 48.75 | ARROW | 135 | 12 | 0.10 | PEO. SIGNAL | 90 | 25 | 1.00 | CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | 1.00 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | ITEM |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 7 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED |
| 7 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

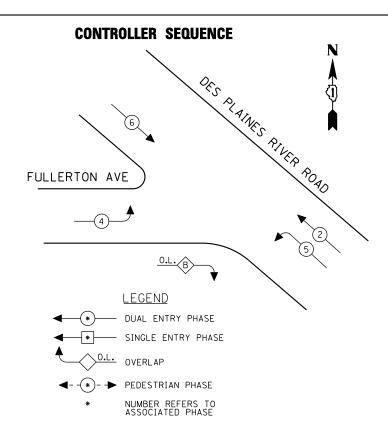
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 7 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 1 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 3-FACE, 3-SECTION, BRACKET MOUNTED |
| 7 | EACH | TRAFFIC SIGNAL BACKPLATE |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 4210 RIVER GROVE

| | COMPANT: COMMONWEA | LIH EDISON | | | | | | | | | | |
|-------|--------------------|------------------------|------------------|-----------|------------------------------|---------------|--------------------------------------|---------|-----------------------------|-------------|---------|-------|
| FILE | NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHEDULE OF QUANTITIES. CABLE PLAN | F.A.P. | SECTION | COUNTY | TOTAL | SHEET |
| \$FIL | EL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | | AND PHASE DESIGNATION DIAGRAM | VAR. | 2013-036TS | соок | 76 | 60 |
| | | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | BELMONT AVE AT FOREST PRESERVE DRIVE | | | CONTRAC | T NO. 6 | 60W82 |
| | | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. OF SHEETS STA. TO STA. | FED. RO | AD DIST. NO ILLINOIS FED. | AID PROJECT | | |



EXISTING PHASE DESIGNATION DIAGRAM

OVERLAP PERMISSIVE LETTER PHASE PROTECTED PHASE B = 4 + 5

| | I.D.O. FIC SIGNAL ICAL SERVIC | INSTALL | | 5 | TOTAL | | | | |
|-----------------|--|---------|-----|---------|-------|--|--|--|--|
| TYPE | TYPE NO LAMPS WATTAGE XOPERATION INCAND. LED | | | | | | | | |
| SIGNAL (RED) | 10 | 135 | 17 | 0.50 | 85 | | | | |
| (YELLOW) | 10 | 135 | 25 | 0.25 | 62.5 | | | | |
| (GREEN) | 10 | 135 | 15 | 0.25 | 37.5 | | | | |
| ARROW | 4 | 135 | 12 | 0.10 | 4.8 | | | | |
| PED. SIGNAL | | 90 | 25 | 1.00 | | | | | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | | | | |
| ILLUM. SIGN | | 84 | | 0.05 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| FLASHER | | 135 | 25 | 0.50 | | | | | |
| ENERGY COSTS TO | 0: | | | TOTAL = | 289.8 | | | | |
| 201 WEST CE | PARTMENT OF ENTER COURT , ILLINOIS 6 | | | ON | | | | | |

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

OES PLAINES PIVER POAD

Ç ¥ ¤

CABLE PLAN (NOT TO SCALE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE |

-24-

- NO. 6 (GREEN)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

-INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

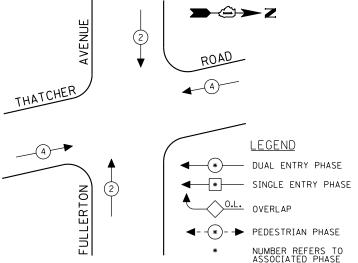
--- INTERCONNECT TO 5TH AVENUE

TS# 5010 RIVER GROVE

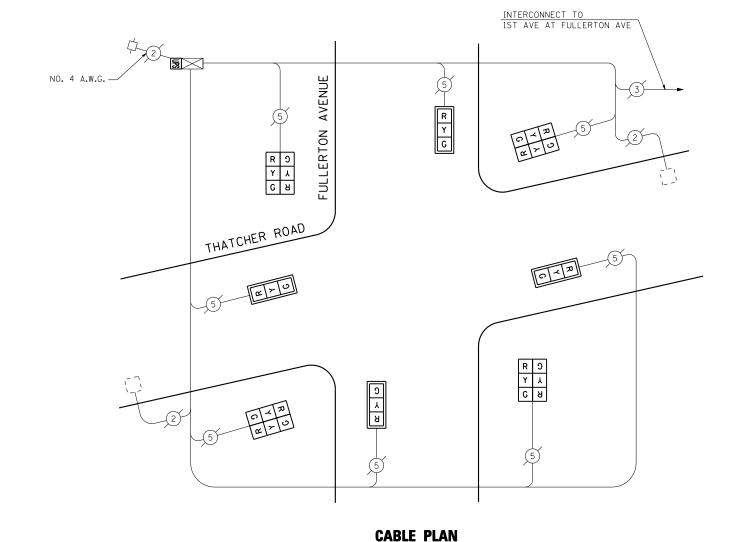
| | COMPANY: COMMONWEALTH EDISON | | | | | | | | | | | | ŔĬ | IVER GR | ₹ΟVE |
|-------------|------------------------------|------------------|-----------|------------------------------|-------------------------------|------------|----------|----------|----------------|---------|---------|-------------------------|----------------|---------|---------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHEDU | ULE OF (| QUANTITI | IES. CABLE PLA | N . | F.A.P. | SECTION | COUNTY | TOTAL | L SHEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | AND PHASE DESIGNATION DIAGRAM | | | | | | | 2013-036TS | соок | 76 | 61 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | DES PLAINE | ES RIVER | RD AT | FULLERTON A | VENUE | | | CONTRAC | CT NO. | 60W82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. | OF | SHEETS | S STA. | TO STA. | FED. RO | AD DIST. NO ILLINOIS FE | D. AID PROJECT | | |

INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

FULLERTON AVE



EXISTING PHASE DESIGNATION DIAGRAM



I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REOUIREMENTS TOTAL WATTAGE WATTAGE **OPERATION TYPE INCAND. LED (YELLOW) (GREEN) ARROW
PED. SIGNAL
CONTROLLER
ILLUM. SIGN ENERGY COSTS TO: TOTAL = ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | ITEM |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| | | |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

(NOT TO SCALE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED EACH EACH SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED EACH TRAFFIC SIGNAL BACKPLATE

THE TRAFFIC SIGNAL CONTROL EOUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

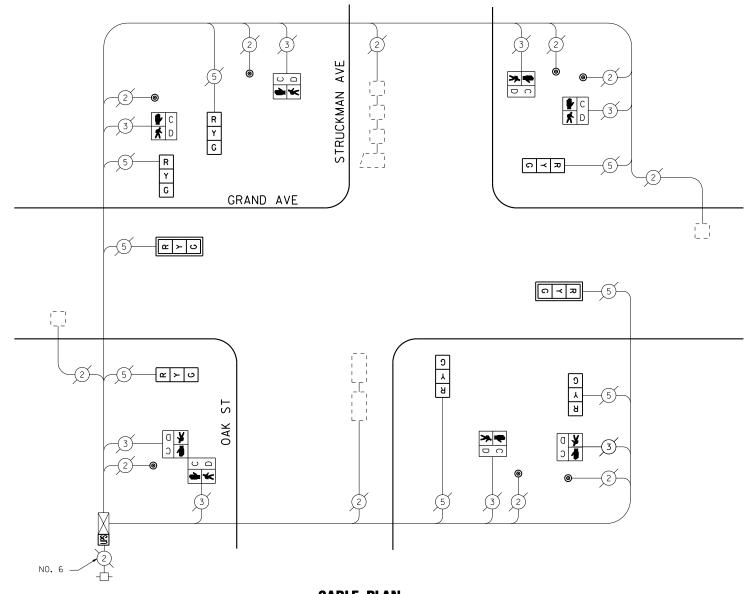
TS# 5115 RIVER GROVE

| | COMPANY: COMMONWEALTH EDISON | | | | | | | | | | | | ŔĬ | VER GR | OVE |
|-------------|------------------------------|------------------|-----------|------------------------------|---------------|-----------|------------|-----------|---------------|------------|----------|------------------------|-----------------|--------|---------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHED | DULE OF | QUANTITIE | S. CABLE PLAN | | F.A.P. | SECTION | COUNTY | TOTAL | S SHEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | | | ON DIAGRAM | | VAR. | 2013-036TS | СООК | 76 | 62 | | |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | FULLER | ITON AVE | NUE AT 1 | THATCHER ROAD | | | | CONTRAC | CT NO. | 60W82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. | OF | SHEETS | STA. | TO STA. | FED. ROA | AD DIST. NO ILLINOIS F | ED. AID PROJECT | | |

GRAND AVE CRAND AVE CRAND

EXISTING PHASE DESIGNATION DIAGRAM

CONTROLLER SEQUENCE



CABLE PLAN
(NOT TO SCALE)

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | ITEM |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 6 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 6 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 2 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| 7 | EACH | PEDESTRIAN PUSH-BUTTON, NON-LATCHING |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 6 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
|---|------|--|
| 2 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 6 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED |
| 2 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 7 | EACH | PEDESTRIAN PUSH-BUTTON |

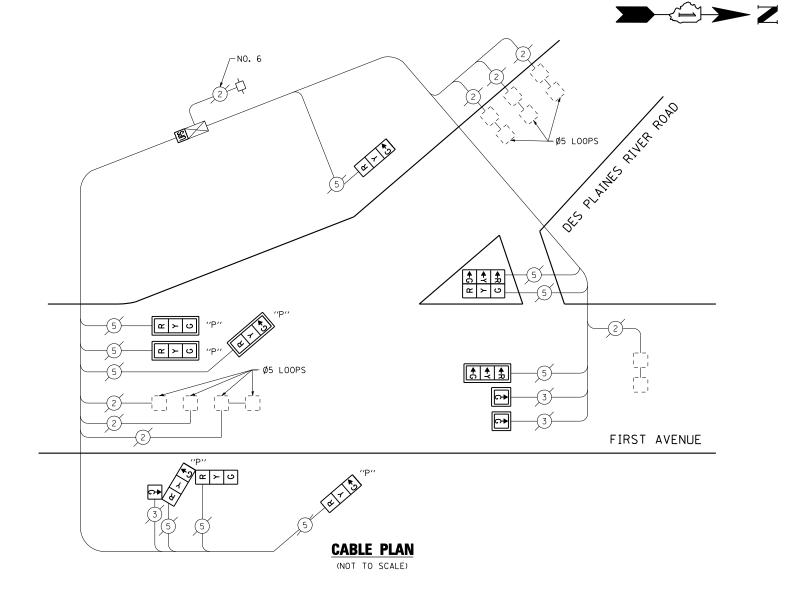
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 5205 RIVER GROVE

| | COMPANY: COMMONWEALTH EDISON | | | | | | RIVER GROVE |
|-------------|------------------------------|------------------|-----------|------------------------------|--|------------------------------------|--------------------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | SCHEDULE OF QUANTITIES, CABLE PLAN | F.A.P. SECTION | COUNTY TOTAL SHEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | AND PHASE DESIGNATION DIAGRAM | VAR. 2013-036TS | COOK 76 63 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | GRAND AVE AT OAK ST /STRUCKMAN AVE | | CONTRACT NO. 60W82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | FED. ROAD DIST. NO ILLINOIS FED. / | AID PROJECT |

EXISTING SEQUENCE OF OPERATION

| MOVEMENT | | 5- 2- | <u>/</u> | (| 2 - | <u> </u> | -6 ▶ | F |
|---------------------------------------|-----|---------------|---------------|---------------|---------------|---------------|----------------|------|
| PHASE | | | 2+5 | | | 2+6 | | |
| INTERVAL | | 1 | 2 | 3 | 4 | 5 | 6 | |
| CHANGE TO | | | 2+ | -6 | | 2+ | -5 | SH |
| FIRST AVENUE LEFT SIGNALS | N/B | ◆ G | Υ | R | R | R | R | R |
| FIRST AVENUE THRU SIGNALS | N/B | ♦ G | ♦ G | ♦ G | ♦ G | ♦ G | ♦ G | OARY |
| FIRST AVENUE ALL SIGNALS | N/B | R | R | R | G | Υ | R | R |
| DES PLAINES RIVER ROAD ALL SIGNALS | | G→ | Υ | R | R | R | R | R |



SCHEDULE OF QUANTITIES

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS | | | | | |
|---|------------|---------|-------|------------|---------------|
| TYPF | NO LAMPS : | WATT | AGE . | %OPERATION | WATTAGE |
| | INO EANI S | INCAND. | LED | Î | |
| SIGNAL (RED) | 10 | 135 | 17 | 0.50 | 85 |
| (YELLOW) | 10 | 135 | 25 | 0.25 | 62 . 5 |
| (GREEN) | 10 | 135 | 15 | 0.25 | 37 . 5 |
| ARROW | | 135 | 12 | 0.10 | |
| PED. SIGNAL | | 90 | 25 | 1.00 | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| CONT. ARROW (GREEN) | 3 | | 12 | 1.00 | 36 |
| FLASHER | | 135 | 25 | 0.50 | |
| ENERGY COSTS TO: TOTAL = | | | | | 321 |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | |

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

| 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION 2 EACH SIGNAL HEAD, LED, 1-FACE, 1-SECTION, MAST ARM MOUNTED 1 EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED 1 EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED 3 EACH OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED 1 EACH COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-1 SECTION, 1-3 SECTION, BRACKET MOUNTED 6 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT 1 EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL | QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|---|----------|-------------|---|
| 1 EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED 1 EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED 2 EACH OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED 3 EACH OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED 4 EACH COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-1 SECTION, 1-3 SECTION, BRACKET MOUNTED 4 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 4 EACH MODIFY EXISTING CONTROLLER CABINET 4 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 1 EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED 3 EACH OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED 1 EACH COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-1 SECTION, 1-3 SECTION, BRACKET MOUNTED 6 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 1-SECTION, MAST ARM MOUNTED |
| 1 EACH SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED 1 EACH OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED 3 EACH OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED 1 EACH COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-1 SECTION, 1-3 SECTION, BRACKET MOUNTED 6 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 EACH OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED 3 EACH OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED 1 EACH COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-1 SECTION, 1-3 SECTION, BRACKET MOUNTED 6 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 3-SECTION, BRACKET MOUNTED 3 EACH OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED 1 EACH COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-1 SECTION, 1-3 SECTION, BRACKET MOUNTED 6 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 3-SECTION, MAST ARM MOUNTED 1 EACH COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-1 SECTION, 1-3 SECTION, BRACKET MOUNTED 6 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 1 | EACH | · · · · · · · · · · · · · · · · · · · |
| OPTICALLY PROGRAMMED, 1-1 SECTION, 1-3 SECTION, BRACKET MOUNTED 6 EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 3 | EACH | |
| 1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 1 | EACH | |
| 1 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | 6 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| | 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL | 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| | 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

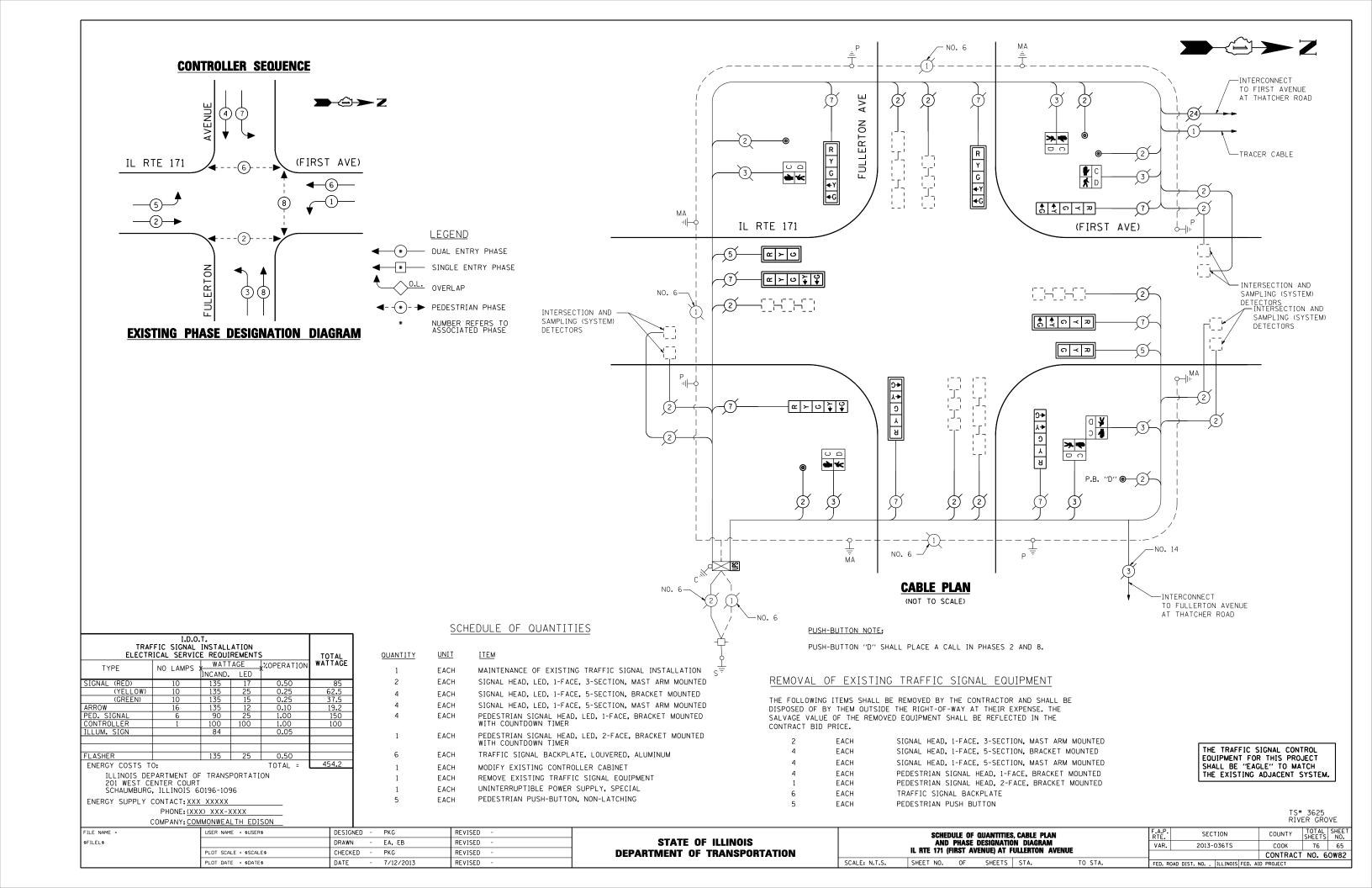
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

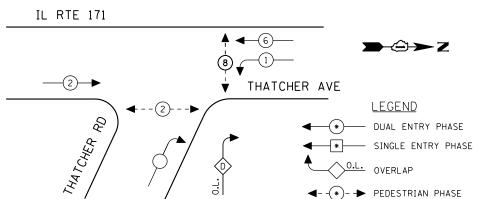
| 2 | EACH | SIGNAL HEAD, 1-FACE, 1-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 1 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, |
| | | 3-SECTION, BRACKET MOUNTED |
| 3 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, |
| | | 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | COMBINATION SIGNAL HEAD, 3-FACE, 1-3 SECTION OPTICALLY |
| | | PROGRAMMED, 1-1 SECTION, 1-3 SECTION, BRACKET MOUNTED |
| 6 | EACH | TRAFFIC SIGNAL BACKPLATE |
| | | |

THE TRAFFIC SIGNAL CONTROL EOUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 3615 RIVER GROVE

| | COMPANY: COMMONWEALTH EDISON | | | | | | RIVER GROVE |
|-------------|------------------------------|------------------|---------------------|------------------------------|--|----------------------------------|--------------------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - 7/19/2013 | | SCHEDULE OF QUANTITIES, CABLE PLAN | F.A.P. SECTION | COUNTY TOTAL SHEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | AND PHASE DESIGNATION DIAGRAM | VAR. 2013-036TS | COOK 76 64 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | FIRST AVENUE AT DES PLAINES RIVER ROAD | | CONTRACT NO. 60W82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | FED. ROAD DIST. NO ILLINOIS FED. | AID PROJECT |





EXISTING PHASE DESIGNATION DIAGRAM

| OVERLAP LETTER | | PERMISSIVE PHASE | PROTECTED PHASE |
|-------------------|---|---------------------|--------------------|
| D | _ | | 1 |

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | ITEM |
|----------|-------------|--|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 4 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 2-3 SECTION, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 6 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| 3 | EACH | PEDESTRIAN PUSH-BUTTON, NON-LATCHING |

| TRAF ELECTR | TOTAL | | | | | |
|----------------|--------------------------|---------|-------|------------|---------|--|
| TYPF | NO LAMPS | WATT | AGE . | %OPERATION | WATTAGE | |
| | | ÎNCAND. | LED | | | |
| SIGNAL (RED) | 12 | 135 | 17 | 0.50 | 102 | |
| (YELLOW) | 12 | 135 | 25 | 0.25 | 75 | |
| (GREEN) | 12 | 135 | 15 | 0.25 | 45 | |
| ARROW | | 135 | 12 | 0.10 | | |
| PED. SIGNAL | 4 | 90 | 25 | 1.00 | 100 | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | |
| ILLUM. SIGN | | 84 | | 0.05 | | |
| | | | | | | |
| | | | | | · · | |
| FLASHER | | 135 | 25 | 0.50 | · | |
| ENERGY COSTS T | ENERGY COSTS TO: TOTAL = | | | | | |

ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX

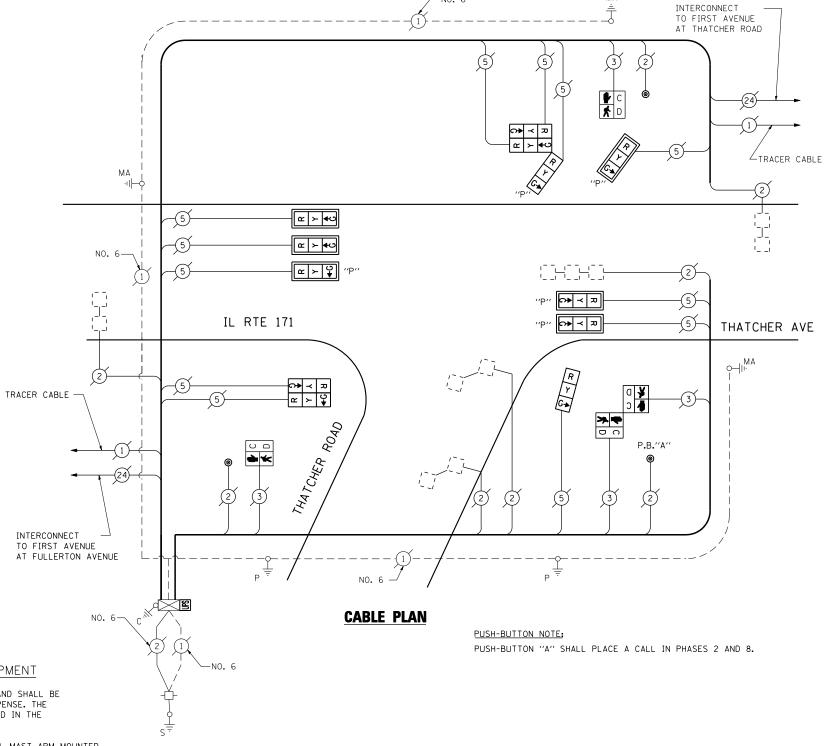
PHONE: (XXX) XXX-XXXX

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

NUMBER REFERS TO ASSOCIATED PHASE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|---|
| 1 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 4 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | COMBINATION SIGNAL HEAD, 3-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 2-3 SECTION, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED |
| 6 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 3 | EACH | PEDESTRIAN PUSH BUTTON |
| | | |



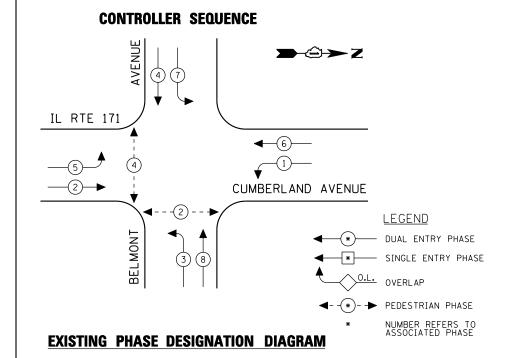
∕- NO. 6

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

МΑ

TS# 3660 RIVER GROVE

| COMP | PANY: COMMONWEALTH EDISON | | | | | | | | KIV | VER GROVE | |
|-------------|---------------------------|------------------|---------------------|------------------------------|---------------|---|----------|----------------------------|------------|-----------|------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - 7/19/2013 | | | SCHEDULE OF QUANTITIES, CABLE PLAN | F.A.P. | SECTION | COUNTY | TOTAL SI | HEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | | AND PHASE DESIGNATION DIAGRAM | VAR. | 2013-036TS | соок | 76 | 66 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | IL RTE 171 (THATCHER AVENUE) AT THATCHER ROAD | | | | T NO. 60V | w82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. OF SHEETS STA. TO STA. | FED. ROA | D DIST. NO ILLINOIS FED. A | ID PROJECT | | |



| QUANTITY | UNIT | <u>ITEM</u> |
|----------|------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| 3 | EACH | PEDESTRIAN PUSH-BUTTON, NON-LATCHING |
| | | |

| TRAFFIC SIGNAL INSTALLATION | ELECTRICAL SERVICE REQUIREMENTS | TOTAL | WATTAGE | XOPERATION | XOPE

ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX

PHONE: (XXX) XXX-XXXX

COMPANY: COMMONWEALTH EDISON

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 4 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 4 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 4 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED |
| 3 | EACH | PEDESTRIAN PUSH-BUTTON |

TRACER CABLE

INTERCONNECT TO THATCHER AVENUE AT THATCHER WOODS SHOPPING CENTER



0+ ↓+ 0 ↓

В

C V

AVE

BELMONT

- NO. 6

G ◆Y ◆G

G

★ ○ ≺ ▷

\$ ₹ 0 ≺ ₽

이국교

*

CUMBERLAND AVE

R Y G +Y +G

<u>අ</u> ≻ ග

@ > O \ \

PUSH-BUTTON NOTE:

PUSH-BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.

MA

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

INTERCONNECT TO CUMBERLAND AVENUE AT

FOREST PRESERVE DRIVE

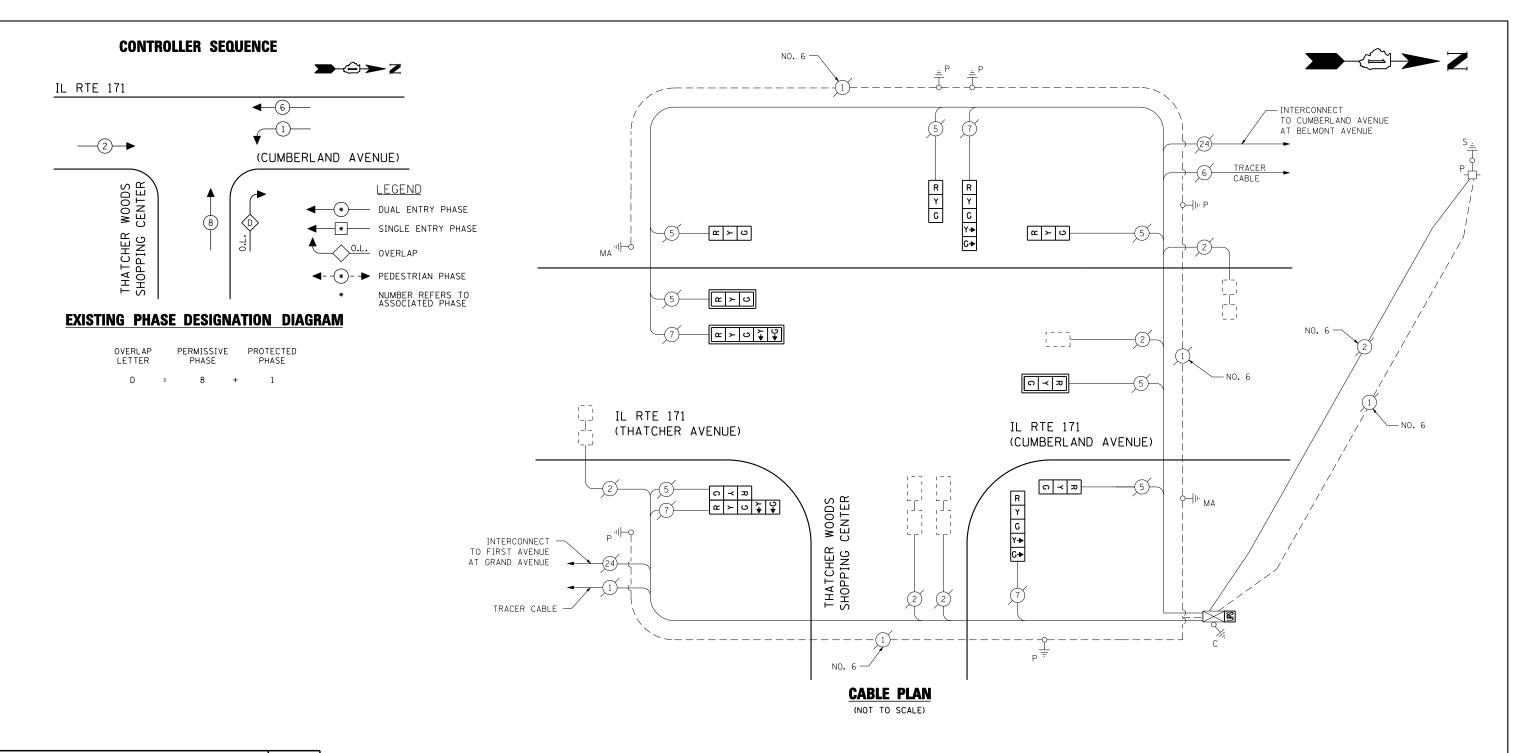
TRACER CABLE

TS# 4200 RIVER GROVE

| | 00IIII 71111 <u>0011</u> | MIGHTICAL III EDIOON | | | | | | | | | |
|----|--------------------------|------------------------|------------------|-----------|------------------------------|--|-----------|------------------------|-------------|----------|-------|
| F | ILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | SCHEDULE OF QUANTITIES, CABLE PLAN | F.A.P. | SECTION | COUNTY | TOTAL | SHEET |
| \$ | FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | AND PHASE DESIGNATION DIAGRAM | VAR. | 2013-036TS | соок | 76 | 67 |
| | | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | IL RTE 171 (CUMBERLAND) AT BELMONT AVENUE | | | CONTRAC | T NO. 60 | W82 |
| | | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | FED. ROAD | DIST. NO ILLINOIS FED. | AID PROJECT | | |

ма⊣⊩Ь

IL RTE 171



| TRAF ELECTR | TOTAL | | | | | | | |
|---|------------|---------|-------|------------|---------|--|--|--|
| TYPF | NO LAMPS : | WATT | AGE , | %OPERATION | WATTAGE | | | |
| | | INCAND. | LED | • | | | | |
| SIGNAL (RED) | 11 | 135 | 17 | 0.50 | 93.5 | | | |
| (YELLOW) | 11 | 135 | 25 | 0.25 | 68.75 | | | |
| (GREEN) | 11 | 135 | 15 | 0.25 | 41.25 | | | |
| ARROW | 8 | 135 | 12 | 0.10 | 9.6 | | | |
| PED. SIGNAL | | 90 | 25 | 1.00 | | | | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | | | |
| ILLUM. SIGN | | 84 | | 0.05 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| FLASHER | | 135 | 25 | 0.50 | | | | |
| ENERGY COSTS T | 0: | | | TOTAL = | 313.1 | | | |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | | | | |

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|--|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 3 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

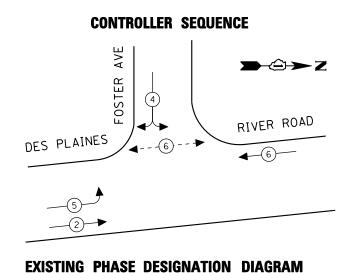
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 2 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 4 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 2 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTON, BRACKET MOUNTED |
| 3 | EACH | TRAFFIC SIGNAL BACKPLATE |
| | | |

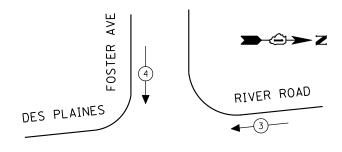
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 4203 RIVER GROVE

| | COMPANY: COMMONWEALTH EDISON | | | | | | | | | | | | ŔĬ | IVER GF | ŔΟVΕ |
|-------------|------------------------------|------------------|-----------|------------------------------|--|-----------|----------|---------|--------------|---------|---------|--------------------------|----------------|---------|---------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | | SCHI | EDULE OF | F QUANT | TITIES, CABL | PLAN | F.A.P. | SECTION | COUNTY | TOTA | L SHEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | AND PHASE DESIGNATION DIAGRAM | | | VAR. | 2013-036TS | соок | 76 | 68 | | | |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | IL RTE 171 (CUMBERLAND AVENUE) AT THATCHER WOODS SHOPPING CENTER | | | | CONTRAC | CT NO. | 60W82 | | | | |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. | OF | SHEE | ETS STA. | TO STA. | FED. RO | DAD DIST. NO ILLINOIS FE | D. AID PROJECT | | |



EMERGENCY VEHICLE PREEMPTION SEQUENCE





| EXISTING EMERG VEHICLE PREEM | | |
|---------------------------------|----------|----------|
| EMERGENCY VEHICLE PREEMPTOR | 3 | 4 |
| MOVEMENT | — | + |

| TRAF ELECTR | TOTAL | | | | | | | | |
|----------------|---------------------------------------|-----------------|-------|------------|---------|--|--|--|--|
| TYPE | NO LAMPS : | WATT INCAND. | AGE . | %OPERATION | WATTAGE | | | | |
| SIGNAL (RED) | 9 | 135 | 17 | 0.50 | 76.5 | | | | |
| (YELLOW) | 9 | 135 | 25 | 0.25 | 56.25 | | | | |
| (GREEN) | 9 | 135 | 15 | 0.25 | 33.75 | | | | |
| ARROW | 4 | 135 | 12 | 0.10 | 4.8 | | | | |
| PED. SIGNAL | 2 | 90 | 25 | 1.00 | 50 | | | | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | | | | |
| ILLUM. SIGN | | 84 | | 0.05 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| FLASHER | | 135 | 25 | 0.50 | | | | | |
| ENERGY COSTS T | ENERGY COSTS TO: TOTAL = | | | | | | | | |
| ILLINOIS DE | ILLINOIS DEPARTMENT OF TRANSPORTATION | | | | | | | | |

201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX PHONE: (XXX) XXX-XXXX SCHEDULE OF QUANTITIES

<u>UNIT</u> QUANTITY EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION MODIFY EXISTING CONTROLLER CABINET EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL EACH

NO. 6 AVE FOSTER INTERCONNECT TO BALMORAL AVENUE ма⊣⊫ф D-0-0 NO. 6 -INTERSECTION AND
SAMPLING (SYSTEM) DETECTORS INTERSECTION AND
SAMPLING (SYSTEM) DETECTORS RIVER ROAD O—|I⊢ MA DES PLAINES 20

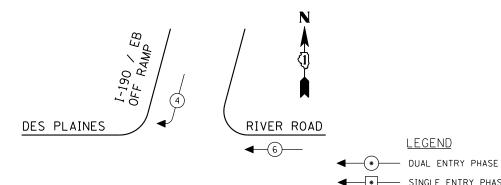
> **CABLE PLAN** (NOT TO SCALE)

> > THE TRAFFIC SIGNAL CONTROL EOUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 4983 ROSEMONT

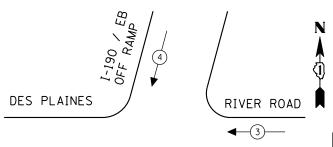
| C | OMPANY: COMMONWEALTH EDISON | | | | | | | | ŔŎS | SEMONT |
|-------------|-----------------------------|------------------|-----------|------------------------------|---------------|--|----------------|---------------------------------|------------|-------------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | so | CHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION | F.A.P. RTF. | SECTION | COUNTY | TOTAL SHEET |
| \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | | DIAGRAM AND EMERGENCY VEHICLE PREEMPTION | VAR. | 2013-036TS | соок | 76 69 |
| | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | | DES PLAINES RIVER ROAD AT FOSTER AVENUE | | - | CONTRAC | T NO. 60W82 |
| | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. OF SHEETS STA. TO STA. | FED. R | ROAD DIST. NO ILLINOIS FED. A | ID PROJECT | |





EXISTING PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE

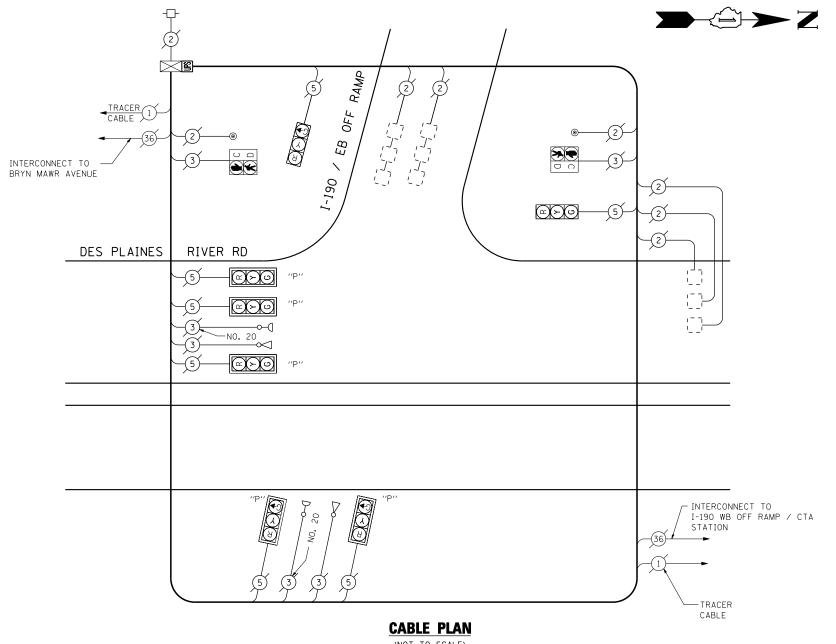


| EXISTING EMERGENCY VEHICLE PREEMPTORS | | | | | | | | |
|--|----------|----------|--|--|--|--|--|--|
| EMERGENCY VEHICLE PREEMPTOR | 3 | 4 | | | | | | |
| MOVEMENT | + | ↓ | | | | | | |

LEGEND

◆- -(*)- - PEDESTRIAN PHASE

SINGLE ENTRY PHASE



(NOT TO SCALE)

| TRAF ELECTR | TOTAL | | | | |
|---|------------|-------------|-----|------------|----------------|
| TYPE | NO LAMPS : | WATT | | %OPERATION | WATTAGE |
| | | INCAND. LED | | | |
| SIGNAL (RED) | 7 | 135 | 17 | 0.50 | 59 . 5 |
| (YELLOW) | 7 | 135 | 25 | 0.25 | 43.75 |
| (GREEN) | 7 | 135 | 15 | 0.25 | 26.25 |
| ARROW | | 135 | 12 | 0.10 | |
| PED. SIGNAL | 2 | 90 | 25 | 1.00 | 50 |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 |
| ILLUM. SIGN | | 84 | | 0.05 | |
| | | | | | |
| | | | | | |
| FLASHER | | 135 | 25 | 0.50 | |
| ENERGY COSTS TO | 0: | | | TOTAL = | 279 . 5 |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | |

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

QUANTITY <u>UNIT</u>

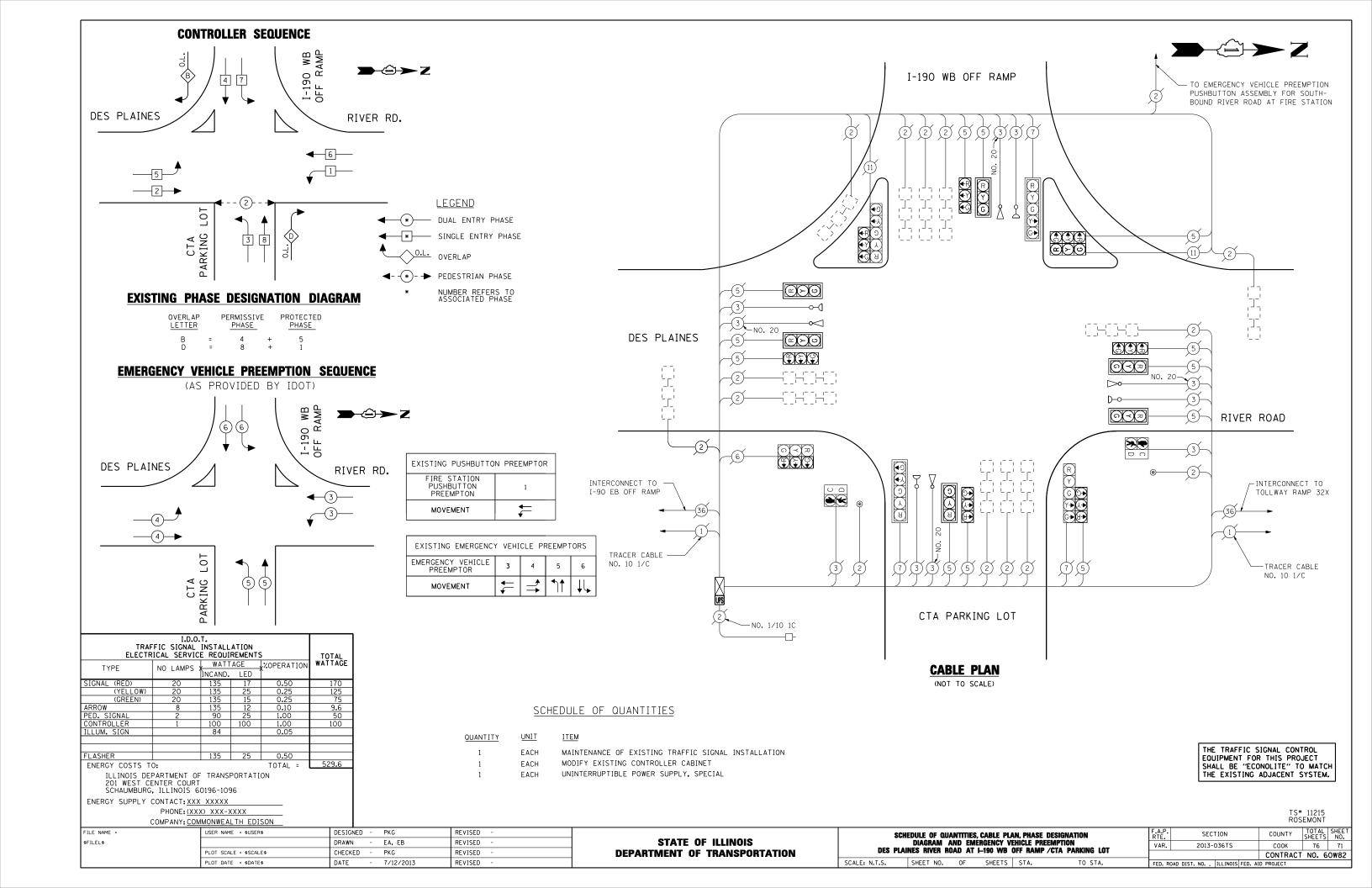
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

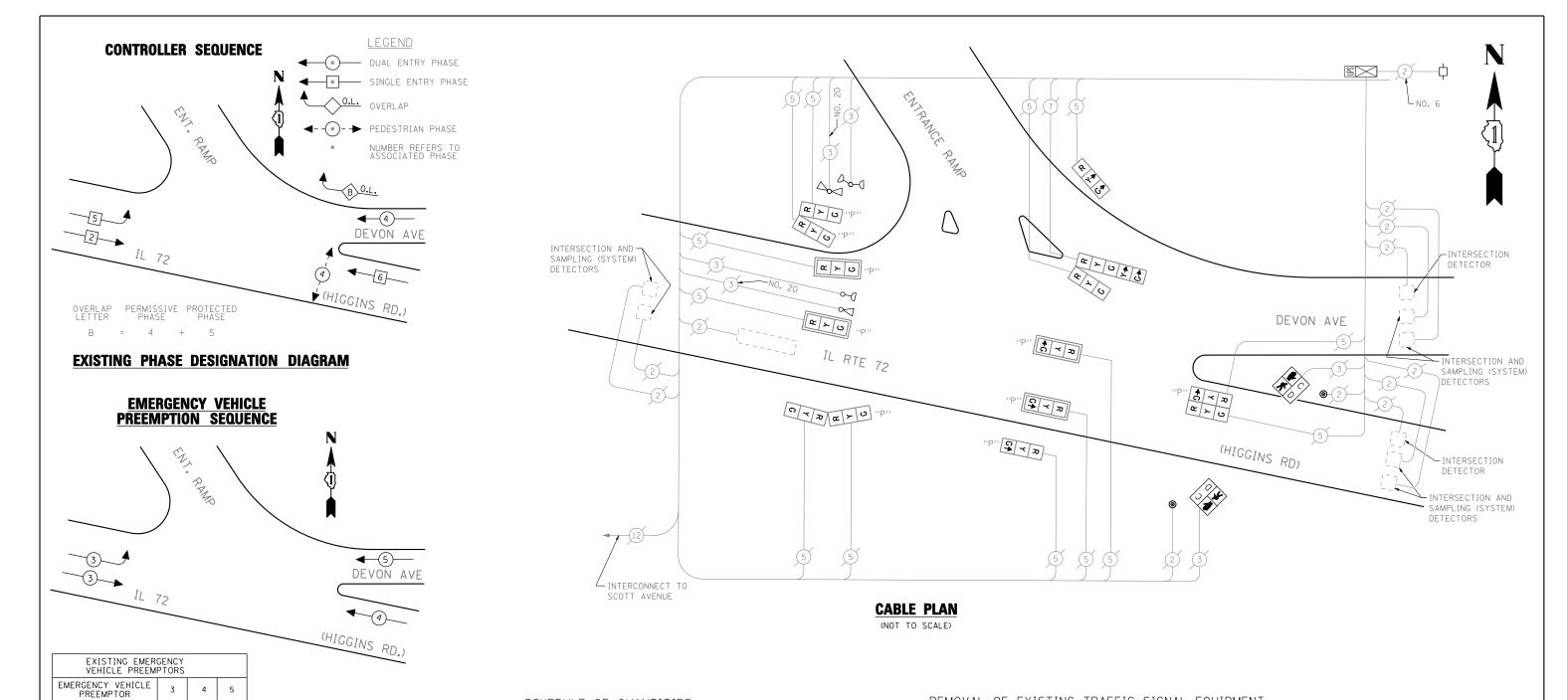
MODIFY EXISTING CONTROLLER CABINET EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL EACH

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

TS# 70 ROSEMONT

COMPANY: COMMONWEALTH EDISON COUNTY TOTAL SHEETS NO. TO TOTAL SHEETS NO. TO TOTAL SHEETS NO. TO TOTAL SHEET FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED SCHEDULE OF QUANTITIES, CABLE PLAN,
PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION
DES PLAINES RIVER ROAD AT I-190 /EB OFF RAMP SECTION COUNTY **STATE OF ILLINOIS** \$FILEL\$ DRAWN EA, EB REVISED 2013-036TS VAR. CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W82 7/12/2013 SCALE: N.T.S. SHEET NO. OF SHEETS STA. PLOT DATE = \$DATE\$ DATE REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT





TTEM

| | | | | | | QUANTITY | UNIT | <u>ITEM</u> |
|----------------------------------|---|------------|------------|------------------|----------------------|----------|--|--|
| | I.D.0 | т. | | | | 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| | FIC SIGNAL | | | c | | 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| TYPE | | | XOPERATION | TOTAL WATTAGE | 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED | |
| SIGNAL (RED) (YELLOW) | 14 14 | 135 135 | 17 25 | 0.50 0.25 | 119 87 . 5 | 1 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| (GREEN) | 14 | 135 | 15 12 | 0.25 0.10 | 52.5 4.8 | 4 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| PED. SIGNAL CONTROLLER | 2 | 90 100 | 25 100 | 1.00 1.00 | 50 100 | 1 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| ILLUM. SIGN | | 84 | | 0.05 | | 2 | EACH | COMBINATION SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED |
| FLASHER | 0. | 135 | 25 | 0.50 TOTAL = | 413.8 | 2 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| ENERGY COSTS TO | | TDANCE | OODTATI | – | 715.0 | 4 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 201 WEST CE | ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 | | | | | 2 | EACH | PEDESTRIAN PUSH-BUTTON |
| SCHAUMBURG | | | | | | 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| ENERGY SUPPLY CONTACT: XXX XXXXX | | | | | 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | |
| | PHONE: <u>(XX</u> COMPANY: <u>CON</u> | | | SON | | 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

OLIANITITY

LINIT

MOVEMENT

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

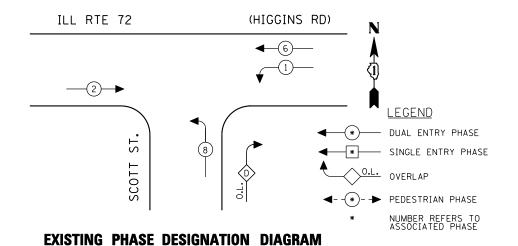
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 1 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
|---|------|---|
| 1 | EACH | SIGNAL HEAD, 2-FACE, 1-3-SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 1 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 4 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | OPTICALLY PROGRAMMED SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | COMBINATION SIGNAL HEAD, 2-FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 2 | EACH | PEDESTRIAN PUSH-BUTTON |
| | | |

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

TS# 9085

| COMPANY: COI | MMONWEALTH EDISON | | | 1 EACH | UNINTERRUPT | IBLE POWER SUPPLY, SPECIAL | | | | | | | | | ŔĊ | SEMONT | Γ |
|--------------|------------------------|----------|-------------|-----------|-------------|------------------------------|---------------|-------------|---------|------------|---------------|---------------------|-----------|-----------------------|---------------|---------|------|
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED | - PKG | REVISED - | | | | SCHI | DULE OF | QUANTITII | S. CABLE PLAI | N, | F.A.P. | SECTION | COUNTY | TOTAL | SHEE |
| \$FILEL\$ | | DRAWN | - EA, EB | REVISED - | | STATE OF ILLINOIS | PHASE DESIG | NATION DIAG | | | | PREEMPTION SEQUENCE | VAR. | 2013-036TS | соок | 76 | 7; |
| | PLOT SCALE = \$SCALE\$ | CHECKED | - PKG | REVISED - | | DEPARTMENT OF TRANSPORTATION | | DEVOI | I AVENU | E AT IL 72 | (HIGGINS ROA | AD) | | | CONTRAC | T NO. (| 60W8 |
| | PLOT DATE = \$DATE\$ | DATE | - 7/12/2013 | REVISED - | | | SCALE: N.T.S. | SHEET NO. | OF | SHEETS | STA. | TO STA. | FED. ROAD | DIST. NO ILLINOIS FED | . AID PROJECT | | |
| | | • | | <u> </u> | | • | | ' | | | | | | | | | • |

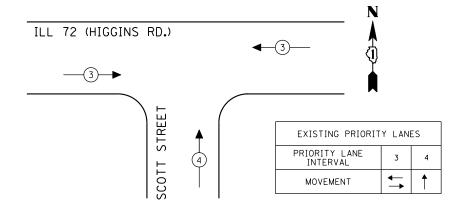


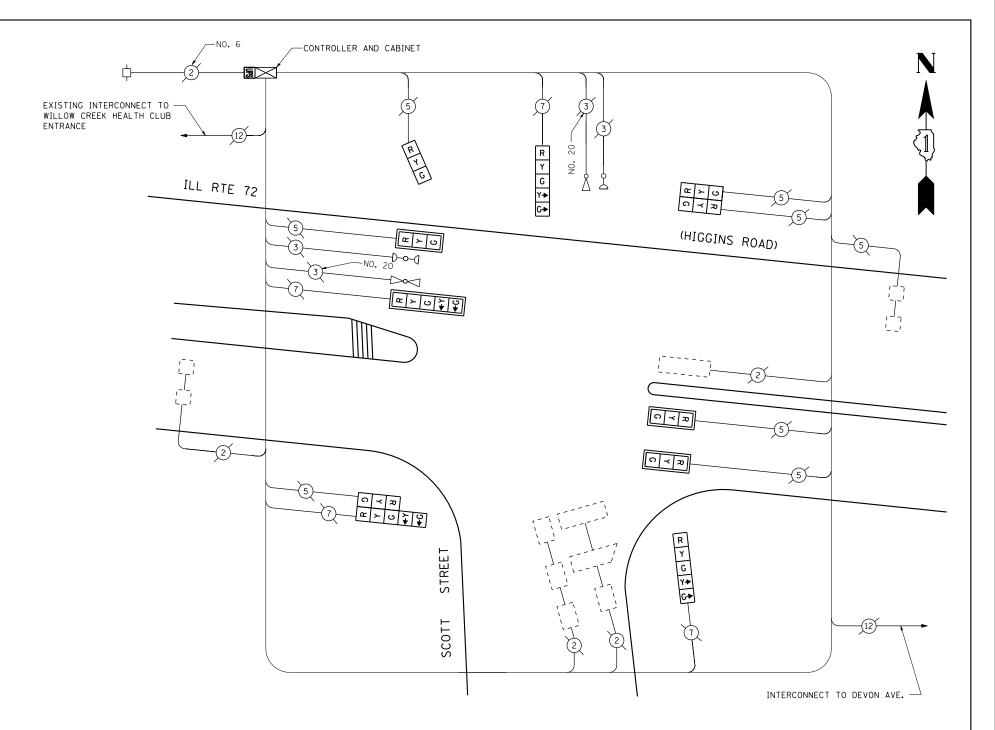
EMERGENCY VEHICLE PREEMPTION SEQUENCE

PHASE D = 8 + 1

PERMISSIVE PROTECTED

OVERLAP LETTER





| TRAF ELECTR | TOTAL | | | | | |
|----------------|----------|---------|-------|------------|---------|--|
| TYPE | NO LAMPS | WATT | AGE . | %OPERATION | WATTAGE | |
| | | INCAND. | LED | Î | | |
| SIGNAL (RED) | 11 | 135 | 17 | 0.50 | 93.5 | |
| (YELLOW) | 11 | 135 | 25 | 0.25 | 68.75 | |
| (GREEN) | 11 | 135 | 15 | 0.25 | 41.25 | |
| ARROW | 8 | 135 | 12 | 0.10 | 9.6 | |
| PED. SIGNAL | | 90 | 25 | 1.00 | | |
| CONTROLLER | 1 | 100 | 100 | 1.00 | 100 | |

ILLUM. SIGN ENERGY COSTS TO: TOTAL =

ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 ENERGY SUPPLY CONTACT: XXX XXXXX

PHONE: (XXX) XXX-XXXX COMPANY: COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

| QUANTITY | <u>UNIT</u> | <u>ITEM</u> |
|----------|-------------|--|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 3 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

SCALE: N.T.S.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

| 3 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 1 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED |
| 1 | EACH | SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED |
| 4 | EACH | TRAFFIC SIGNAL BACKPLATE |

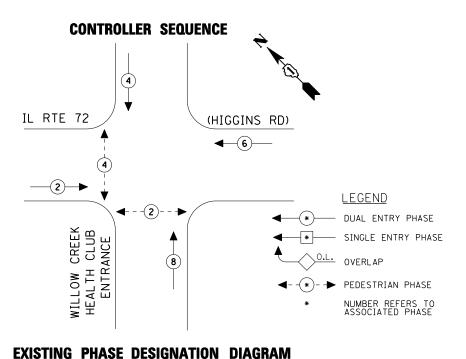
THE TRAFFIC SIGNAL CONTROL EOUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 9090 ROSEMONT

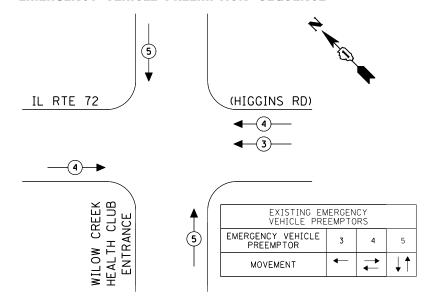
| FILE NAME = | USER NAME = \$USER\$ | DESIGNED - | PKG | REVISED | - |
|-------------|------------------------|------------|-----------|---------|---|
| \$FILEL\$ | | DRAWN - | EA, EB | REVISED | - |
| | PLOT SCALE = \$SCALE\$ | CHECKED - | PKG | REVISED | - |
| | PLOT DATE = \$DATE\$ | DATE - | 7/12/2013 | REVISED | - |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

| С | ABLE PLAN, PI | IASE DE | SIGNATION | DIAGRAM | . SCHEDULE | F.A.P. RTE. | SECTION | COUNTY | TOTAL | |
|---|---------------------------------------|---------|-----------|---------|------------|----------------|-------------------------------|-----------|-------|-------|
| OF QUANTITIES, AND EMERGENCY VEHICLE PREEMPTION | | | | | VAR. | 2013-036TS | СООК | 76 | 73 | |
| | ILL 72 (HIGGINS ROAD) AT SCOTT STREET | | | | | | | CONTRACT | NO. 6 | 50W82 |
| | SHEET NO. | OF | SHEETS | STA. | TO STA. | FED. RC | DAD DIST. NO ILLINOIS FED. AI | D PROJECT | | |



EMERGENCY VEHICLE PREEMPTION SEQUENCE



| TRAF | | | | | | | |
|---|-------------|----------|-------|------------|---------|--|--|
| ELECTRICAL SERVICE REQUIREMENTS | | | | | | | |
| TYPE | NO LAMPS | WATT | AGE , | %OPERATION | WATTAGE | | |
| 1111 | NO LAWI 5 / | INCAND. | LED ´ | Î | | | |
| SIGNAL (RED) | 11 | | 17 | 0.50 | 93.5 | | |
| (YELLOW) | 11 | | 25 | 0.25 | 68.75 | | |
| (GREEN) | 11 | | 15 | 0.25 | 41.25 | | |
| ARROW | | | 12 | 0.10 | | | |
| PED. SIGNAL | 4 | | 25 | 1.00 | 100 | | |
| CONTROLLER | 1 | | 100 | 1.00 | 100 | | |
| ILLUM. SIGN | | | | 0.05 | | | |
| | | | | | | | |
| | | | | | | | |
| FLASHER | | | 25 | 0.50 | | | |
| ENERGY COSTS T | 0: | | | TOTAL = | 403.5 | | |
| ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT | | | | | | | |
| SCHAUMBURG, ILLINOIS 60196-1096 | | | | | | | |
| ENERGY SUPPLY CONTACT: XXX XXXXX | | | | | | | |
| | PHONE: (XX) | () XXX-X | (XXX | | | | |
| COMPANY. COMMONWEALTH EDISON | | | | | | | |

SCHEDULE OF QUANTITIES

INTERCONNECT TO MANNHEIM ROAD

| QUANTITY | <u>UNIT</u> | ITEM |
|----------|-------------|---|
| 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 8 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
| 4 | EACH | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM |
| 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| 3 | EACH | PEDESTRIAN PUSH-BUTTON, NON-LATCHING |

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

PUSH-BUTTON NOTE:

PUSH-BUTTON "B" SHALL PLACE A CALL IN PHASES 2 AND 4.

(HIGGINS RD)

ດ **≺** ਸ਼

ດ ≺ ਸ਼

≯₹

WILLOW CREEK HEALTH CLUB ENT

| 8 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED |
|---|------|--|
| 4 | EACH | SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED |
| 2 | EACH | PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED |
| 1 | EACH | PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED |
| 8 | EACH | TRAFFIC SIGNAL BACKPLATE |
| 3 | EACH | PEDESTRIAN PUSH-BUTTON |

THE TRAFFIC SIGNAL CONTROL EOUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FIRE STATION PUSHBUTTON -PREEMPTOR PHASE 3 (WB)

> TS# 1102 ROSEMONT

| | COMITANT: COM | WONWLALTH LDISON | | | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | | |
|---|---------------|------------------------|------------------|-----------|------------------------------|--|---------------|---------|---------|--------|------------|--------------|-----------|---------------|---------------------------------------|---------|-------|------|
| ſ | FILE NAME = | USER NAME = \$USER\$ | DESIGNED - PKG | REVISED - | | CA | ABLE PLAN, PH | IASE DE | SIGNATI | ION DI | AGRAM. SCH | HEDULE . | F.A.P. | SECTION | COUNTY | TOTA | AL SH | IEET |
| | \$FILEL\$ | | DRAWN - EA, EB | REVISED - | STATE OF ILLINOIS | OF QUANTITIES AND EMERGENCY VEHICLE PREEMPTION | | | | | VAR. | 2013-036 | s соок | 76 | 6 | 74 | | |
| | | PLOT SCALE = \$SCALE\$ | CHECKED - PKG | REVISED - | DEPARTMENT OF TRANSPORTATION | III. RTE 72 | 2 (HIGGINS RD | D) AT W | ILLOW | CREEK | HEALTH CL | LUB ENTRANCE | | | CONTRA | ACT NO. | . 60w | 182 |
| | | PLOT DATE = \$DATE\$ | DATE - 7/12/2013 | REVISED - | | SCALE: N.T.S. | SHEET NO. | OF | SHI | EETS | STA. | TO STA. | FED. ROAD | DIST. NO ILLI | OIS FED. AID PROJECT | | | |

IL RTE 72

PB "B"

2 ≻ ∪

 2

(5)

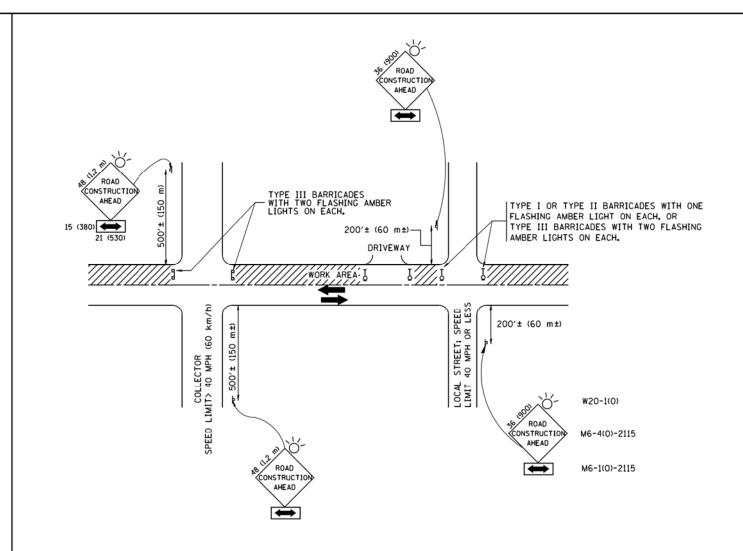
R Y G

RYG

è

CABLE PLAN

(NOT TO SCALE)



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 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:
- O) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG 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.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- d) 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. 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: NONE

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

| FILE NAME = | USER NAME = gaglianobt | DESIGNED - LHA | REVISED - J. OBERLE 10-18-95 |
|---------------------------|-----------------------------|----------------|--------------------------------|
| W:\diststd\22x34\tc10.dgn | | DRAWN - | REVISED - A. HOUSEH 03-06-96 |
| | PLOT SCALE = 50.000 ' / IN. | CHECKED - | REVISED - A. HOUSEH 10-15-96 |
| | PLOT DATE = 1/4/2008 | DATE - 06-89 | REVISED -T. RAMMACHER 01-06-00 |

| STATI | E OF | ILLINOIS |
|------------|------|----------------|
| DEPARTMENT | 0F | TRANSPORTATION |

| TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS | | | | | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------------------|-----------|---------|--------|------------------------------------|-----------|-----------------|--------------|
| | | | | | 2013-036TS | соок | 76 | 75 |
| | | | | | TC-10 CONTRACT NO. | | | |
| | SHEET NO. 1 OF 1 SH | HEETS STA | TO STA. | FED. R | OAD DIST. NO. 1 ILLINOIS FED. AI | D PROJECT | | |

