08-01-14 LETTING ITEM 037

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

VARIOUS LOCATIONS IN CENTRAL COOK COUNTY / CONTRACT #4 LIGHT EMITTING DIODE (LED) INSTALLATION

> 2014-019TS **COOK COUNTY**

> > C-91-295-14

HIGHWAY STANDARDS

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701006-05 OFF-ROAD OPERATIONS 2L. 2W. 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

701101-04 OFF-ROAD OPERATIONS MULITLANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

701701-09 URBAN LANE CLOSURE MULTILANE INTERSECTION

701901-03 TRAFFIC CONTROL DEVICES

720001-01 SIGN PANEL MOUNTING DETAIL

720006-04 SIGN PANEL ERECTION DETAILS

857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES

UNITERRUPTABLE POWER SUPPLY (UPS)

880001-01 SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION

880006-01 TRAFFIC SIGNAL MOUNTING DETAILS

REGION "B" REGION "C" **REGION "A" REGION "D"**

> **COOK COUNTY LOCATION MAP**

SEE SHEET NO. 3 & 4

GDLZ

D-91-295-14 LOCATION OF SECTION INDICATED THUS:

2014-01975

COOK 90 1

DEPARTMENT OF TRANSPORTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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

PROJECT ENGINEER: SUDUD MAHMOUD PROJECT MANAGER: DARYLE DREW

CONTRACT NO. 60Y05

88

3815

3870

INDEX OF SHEETS

COVER SHEET INDEX OF SHEETS LOCATION MAP 3-4 5-10 SUMMARY OF QUANTITIES 11-17 DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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IL ROUTE 50 (CICERO AVENUE) AT 67TH STREET (MARQUETTE ROAD)
IL ROUTE 50 (CICERO AVENUE) AT 73RD STREET/STATE ROAD
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               2535
                                IL ROUTE 50 (CICERO AVENUE) AT 76TH STREET (FORD CITY SOUTH)
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IL ROUTE 171 (ARCHER AVENUE) AT ROBERTS ROAD
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17TH AVENUE (MARLE AVENUE) AT 31ST STREET
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               2550
3560
               11635
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21650
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CRAWFORD AVENUE (PULASKI ROAD) AT 178TH PLACE (CAMBRIDGE DRIVE)
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               2600
               4905
               4907
               11720
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                3860
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                5067
                                  JOLIET ROAD AT BRAINARD AVENUE
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                                 US ROUTE 12-20-45 (LA GRANGE ROAD) AT 58TH STREET
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                                 IL ROUTE 43 (HARLEM AVENUE) AT WILSON AVENUE
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                                  IL ROUTE 43 (HARLEM AVENUE) AT FOSTER AVENUE (NORTH)
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                               IL ROUTE 43 (HARLEM AVENUE) AT FOSTER AVENUE (NORTH) GUNNISON STREET AT NAGLE AVENUE GUNNISON STREET AT OAK PARK AVENUE MONTROSE AVENUE AT NARRAGANSETT AVENUE. LAWRENCE AVENUE AT OKETO AVENUE MONTROSE AVENUE AT NEENAH AVENUE US ROUTE 12-20-45 (LA GRANGE ROAD) AT 67TH STREET US ROUTE 12-20-45 (LA GRANGE ROAD) AT 63RD STREET JOLIET ROAD AT EAST AVENUE JOLIET ROAD AT CUARRY MALL ENTRANCE EAST (LONESTAR) IL ROUTE 171 ARCHER AT 88TH AVENUE US ROUTE 12-20-45 (LA GRANGE ROAD) AT 47TH STREET 55TH STREET AT BRAINARD AVENUE
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                                US ROUTE 34 (OGDEN AVENUE) AT BRAINARD AVENUE
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                                US ROUTE 12-20-45 (LA GRANGE ROAD) AT HARRIS AVENUE US ROUTE 12-20-45 (LA GRANGE ROAD) AT COSSITT AVENUE 47TH STREET AT WILLOW SPRINGS ROAD
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                                 30TH STREET AT MAPLE AVENUE
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                                 31ST STREET AT FOREST ROAD
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                                31ST STREET AT FOREST ROAD
31ST STREET AT FOREST ROAD
31ST ST PEDESTRIAN CROSSING BETWEEN RAYMOND AVE AND HARRISON AVE
WOLF ROAD AT DIVERSEY AVENUE
US ROUTE 34 (OGDEN AVENUE) AT JOLIET AVENUE
IL ROUTE 171 (1ST AVENUE) FRONTAGE ROAD AT 47TH STREET (EAST RAMP)
JOLIET ROAD AT 47TH STREET
47TH STREET AT LAWNDALE AVENUE
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                3575
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GENERAL NOTES:

- CONTRACTOR SHALL REPLACE ALL METAL 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.
- 2. 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 IN THE PLANS.
- 3. 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 RESPECTIVE OWNERS PRIOR TO THE START OF CONSTRUCTION.

RLR CAMERA LOCATION: 2465 - IL ROUTE 50 (CICERO AVENUE) AT 73RD STREET/STATE ROAD

VILLAGE OF BEDFORD PARK 6701 S. ARCHER ROAD BEDFORD PARK, IL 60501 708-458-2067

AMERICAN TRAFFIC SOLUTIONS 1330 W. SOUTHERN AVE. TEMPE, AZ 85282 480-443-7000

RLR CAMERA LOCATION: 2585 - IL ROUTE 50 (CICERO AVENUE) AT 183RD STREET 4905 - CRAWFORD AVENUE AT 175TH STREET 11720 - IL ROUTE 50 (CICERO AVENUE) AT 175TH STREET

CITY OF COUNTRY CLUB HILLS 4200 W. MAIN STREET COUNTRY CLUB HILLS, IL 60478 708-798-2616

SAFE SPEED, LLC. 150 N. WACKER DR. CHICAGO, IL 60606 877-237-2331

RLR CAMERA LOCATION: 1035 - US ROUTE 12-20-45 (LA GRANGE ROAD) AT 55TH STREET

CITY OF COUNTRYSIDE 5550 EAST AVENUE COUNTRYSIDE, IL 60525 708-354-7270

REDFLEX TRAFFIC SYSTEMS, INC. 23751 N. 23RD AVE. STE 150 PHOENIX, AZ 85085 623-207-2000

RLR CAMERA LOCATION: 2325 - IL ROUTE 43 (HARLEM AVENUE) AT LAWRENCE AVENUE

VILLAGE OF HARWOOD HEIGHTS 7300 W. WILSON AVENUE HARWOOD HEIGHTS, IL 60706 708-867-7200

REDSPEED ILLINOIS 400 EISENHOWER LANE NORTH LOMBARD, IL 60148 630-317-5700

SCALE:

- 4. AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED, THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS. PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED THE CONTRACTOR SHALL VERIFY THAT THE PATTERN, SPACING, AND CONDITION OF THE EXISTING ANCHOR BOLT IS ACCEPTABLE FOR REUSE WITH A NEW POST. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE CONTRACTOR SHALL REPLACE ANCHOR BOLT AS DIRECTED BY THE ENGINEER. ANCHOR BOLT REPLACEMENT WILL BE PAID FOR AS "REMOVE AND REPLACE ANCHOR BOLTS". "REMOVE AND REPLACE ANCHOR BOLTS" PAY ITEM QUANTITIES SHOWN ARE NOMINAL AND ONLY TO BE UTILIZED AS APPROVED BY THE ENGINEER.
- 5. ANY ADDITIONAL CABLE LENGTHS NECESSARY FOR THE PROPER INSTALLATION OF AN UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED DUE TO THE LARGER DISTANCE AWAY FROM THE CONTROLLER CABINET SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED PAY ITEM.

- 6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- 7. THE EXACT LOCATION OF ALL UTILITES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- 8. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
- 9. PARTIAL PAYMENT AS DESCRIBED IN ARTICLE 109.07(b) OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED FOR ITEMS INCLUDED IN THIS CONTRACT.
- 10. A CONCRETE APRON SHALL NOT BE REQUIRED FOR NEW UPS INSTALLATIONS ADJACENT TO EXISTING IMPERVIOUS SURFACES THAT SATISFY THE NEED OF THE CONCRETE APRON, AS DIRECTED BY THE ENGINEER.

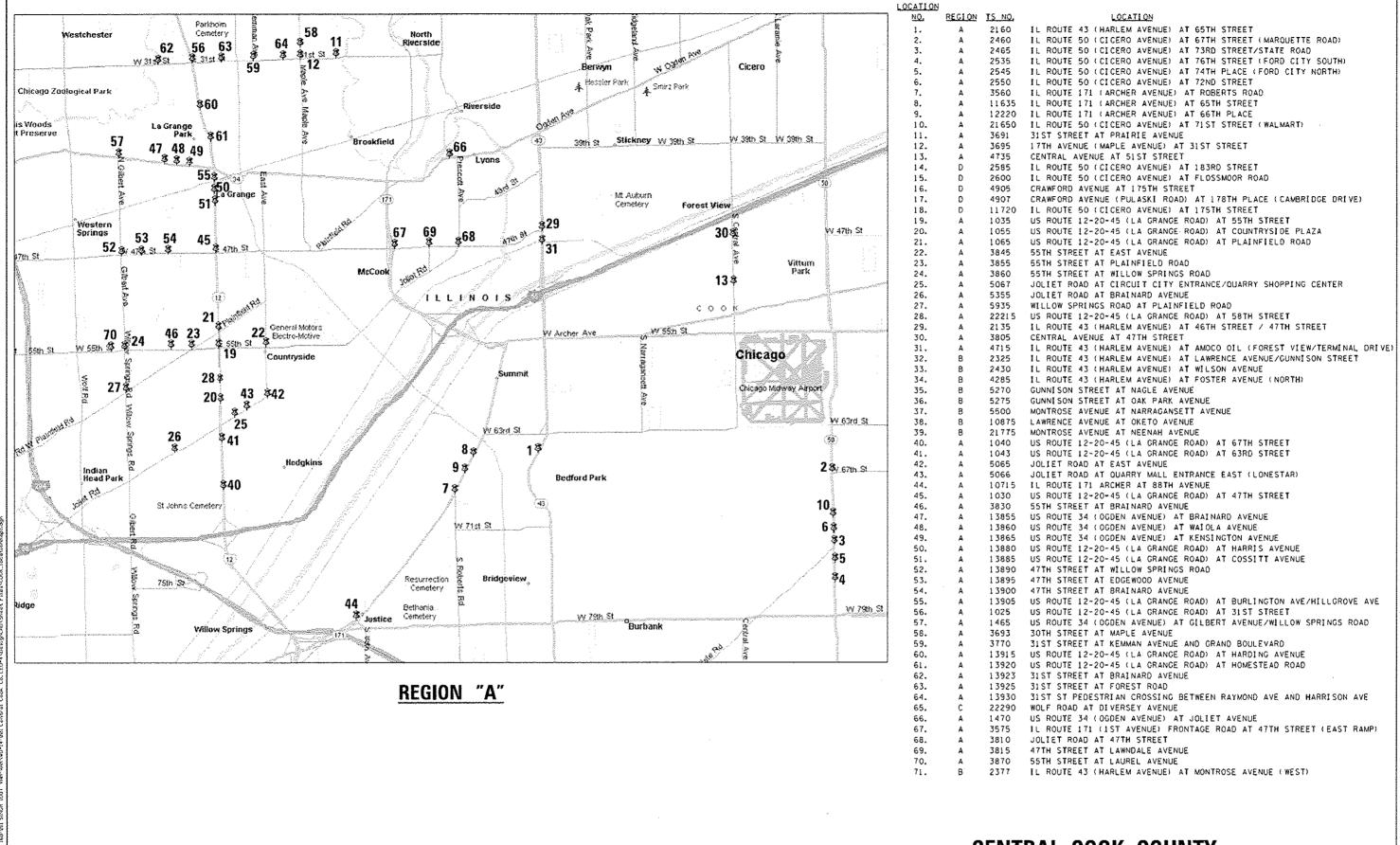
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IL ROUTE 43 (HARLEM AVENUE) AT MONTROSE AVENUE (WEST)

55TH STREET AT LAUREL AVENUE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

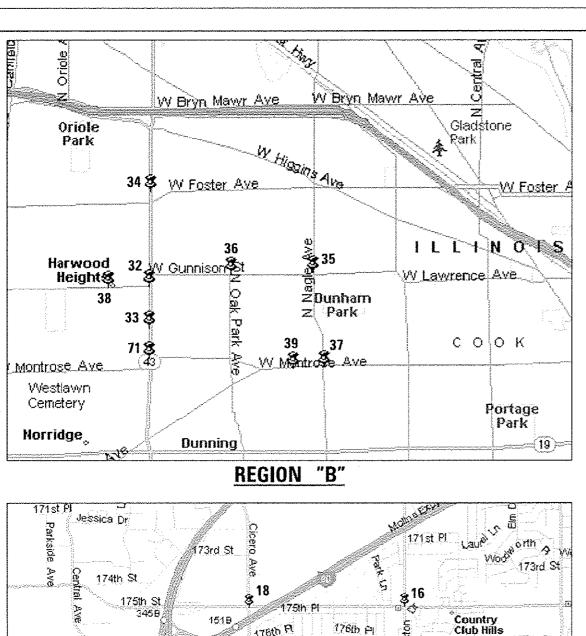
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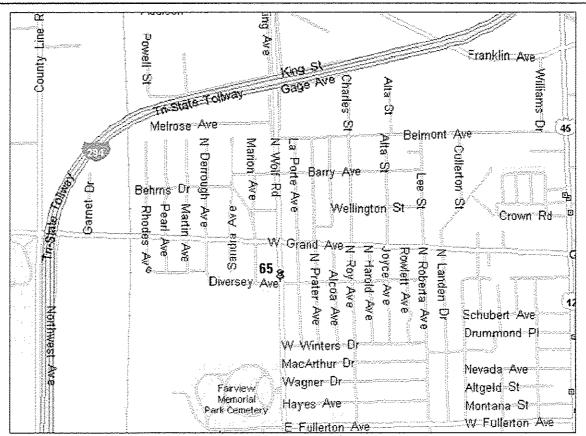


CENTRAL COOK COUNTY

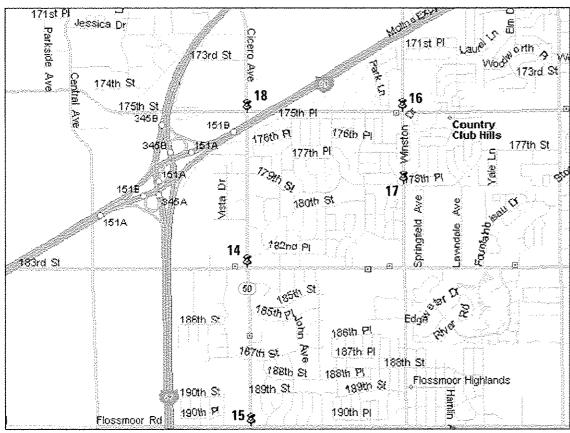
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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CENTRAL COOK COUNTY

* 1% EACH, FOR A TOTAL OF 4%

FORD CITY SHOPPING CENTER
BEDFORD PARK CO. TRUST/C/O CASTELLINO., INC
BEST BUY CO., INC
CP MANAGMENTY LLC

* * 1% EACH, FOR A TOTAL OF 5%

COLE REAL ESTATE INVESTMENTS
FORD CITY SHOPPING CENTER
BEDFORD PARK CO. TRUST/C/O CASTELLING., INC
BEST BUY CO., INC
CP MANAGMENTY LLC

SUMMARY OF QUANTITIES HEADING LEGEND
FUNDING PARTICIPATION
Y CLUB COUNTRYSIDE FOREST HARWOOD STATE BEDFORD BROOKFIELD CHICAGO COUNTRY CLUB COUNTRYSIDE HODGKINS JUSTICE LA GRANGE LA GRANGE LEYDEN TWP. LYONS NORRIDGE * ** WALMART COUNTRYSIDE PLAZA LYONS AMOCO ALBERT SIMON PROP.GRP. TWP. OIL CO. HANS, LLC. TS* INTERSECTION NUMBER VIEW HEIGHTS HILLS 95% 5% 4 2160 IL ROUTE 43 (HARLEM AVENUE) AT 65TH STREET 5 2460 IL ROUTE 50 (CICERO AVENUE) AT 67TH STREET (MARQUETTE ROAD) 95% 2.5% 2.5% 3 2465 IL ROUTE 50 (CICERO AVENUE) AT 73RD STREET/STATE ROAD 96.6% 1.7% 1.7% 96% 4% 2535 IL ROUTE 50 (CICERO AVENUE) AT 76TH STREET (FORD CITY SOUTH) 2545 IL ROUTE 50 (CICERO AVENUE) AT 74TH PLACE (FORD CITY NORTH) 96% 4% 2550 IL ROUTE 50 (CICERO AVENUE) AT 72ND STREET 2 3560 IL ROUTE 171 (ARCHER AVENUE) AT ROBERTS ROAD 97.5% 2.5% 4 11635 IL ROUTE 171 (ARCHER AVENUE) AT 65TH STREET 95% 5% 95% 5% 4 12220 IL ROUTE 171 (ARCHER AVENUE) AT 66TH PLACE 6 21650 IL ROUTE 50 (CICERO AVENUE) AT 71ST STREET (WALMART) 3.3% 96.7% 95% 97.5% 3691 31ST STREET AT PRAIRIE AVENUE 2.5% 3695 17TH AVENUE (MAPLE AVENUE) AT 31ST STREET 4735 CENTRAL AVENUEAT SIST STREET 95% 5% 97.5% 12 2585 IL ROUTE 50 (CICERO AVENUE) AT 183RD STREET 2.5% 100% 2600 IL ROUTE 50 (CICERO AVENUE) AT FLOSSMOOR ROAD 4905 CRAWFORD AVENUE AT 175TH STREET 5% 13 4907 CRAWFORD AVENUE (PULASKI ROAD) AT 178TH PLACE (CAMBRIDGE DRIVE) 95% 11720 IL ROUTE 50 (CICERO AVENUE) AT 175TH STREET 100% 1035 US ROUTE 12-20-45 (LA GRANGE ROAD) AT 55TH STREET 95% 5% 1055 US ROUTE 12-US 20-US 45 (LAGRANGE ROAD) AT COUNTRYSIDE PLAZA 100% 1065 US ROUTE 12-20-45 (LAGRANGE ROAD) AT PLAINFIELD ROAD 3845 55TH STREET AT EAST AVENUE 100% 100% 3855 55TH STREET AT PLAINFIELD ROAD 3860 55TH STREET AT WILLOW SPRINGS ROAD 100% 15 5067 JOLIET ROAD AT CIRCUIT CITY ENTRANCE/QUARRY SHOPPING CENTER 95% 5% 2.5% 14 5355 UOLIET ROAD AT BRAINARD AVENUE 5935 WILLOW SPRINGS ROAD AT PLAINFIELD ROAD 100% 95% 5% 22215 US ROUTE 12-20-45 (LA GRANGE ROAD) AT 58TH STREET 97.5% 2.5% 2135 TL ROUTE 43 (HARLEM AVENUE) AT 46TH STREET / 47TH STREET 1 3805 CENTRAL AVENUE AT 47TH STREET
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19 2325 IL ROUTE 43 (HARLEM AVENUE) AT LAWRENCE AVENUE 100% 97.5% 2.5% 20 2430 IL ROUTE 43 (HARLEM AVENUE) AT WILSON AVENUE 96.7% 3.3% 95% 23 4285 IL ROUTE 43 (HARLEM AVENUE) AT FOSTER AVENUE (NORTH) 100% 1 5270 CUNNISON STREET AT NAGLE AVENUE 95% 5% 5275 CUNNISON STREET AT OAK PARK AVENUE 5500 MONTROSE AVENUE AT NARRAGANSETT AVENUE 100% 95% 10875 LAWRENCE AVENUE AT OKETO AVENUE 22 21775 MONTROSE AVENUE AT NEENAH AVENUE 95% 2.5% 2.5% 25 1040 US ROUTE 12-US 20-US 45 (LAGRANGE ROAD) AT 67TH STREET 95% 5% 26 1043 US ROUTE 12-US 20-US 45 (LAGRANGE ROAD) AT 63RD STREET 2.5% 2.5% 24 5065 JOLIET ROAD AT EAST AVENUE 97.5% 95% 27 5066 UOLIET ROAD AT QUARRY MALL ENTRANCE EAST (LONESTAR) 2.5% 28 10715 IL ROUTE 171 ARCHER AT 88TH AVENUE 95% 100% 1030 US ROUTE 12-20-45 (LA GRANGE ROAD) AT 47TH STREET 97.5% 29 3830 55TH STREET AT BRAINARD AVENUE 30 13855 US ROUTE 34 (OGDEN AVENUE) AT BRAINARD AVENUE 95% 5% 30 13860 US ROUTE 34 (OGDEN AVENUE) AT WATOLA AVENUE 95% 5% 30 13865 US ROUTE 34 (OCOEN AVENUE) AT KENSINGTON AVENUE 30 13880 US ROUTE 12-20-45 (LA GRANGE ROAD) AT HARRIS AVENUE 95% 5% 30 | 13885 US ROUTE 12-20-45 (LA GRANGE ROAD) AT COSSIT AVENUE 5% 5% 95% 95% 30 13890 47TH STREET AT WILLOW SPRINGS ROAD 30 13895 47TH STREET AT EDGEWOOD AVENUE 5% 95% 30 13900 47TH STREET AT BRAINARD AVENUE 95% 5% 30 13905 US ROUTE 12-20-45 (LA GRANGE ROAD) AT BURLINGTON AVE/HILLGROVE AVE 5% 1025 US ROUTE 12-20-45 (LA GRANGE ROAD) AT 31ST STREET 1 1025 US ROUTE 12-20-40 ILA GRANGE ROMULAT JUST TIME LOW SPRINGS ROAD 39 1465 US ROUTE 34 (OCDEN AVENUE) AT GILBERT AVENUE/WILLOW SPRINGS ROAD 1.25% 2.5% 95% 1.25% 34 3693 30TH STREET AT MAPLE AVENUE 2.5% 2.5% 96% 32 3770 31ST STREET AT KEMMAN AVENUE AND GRAND BOULEVARD 2.0% 95% 95% 33 13915 US ROUTE 12-20-45 (LA GRANGE ROAD) AT HARDING AVENUE 5% 33 13920 LIS ROUTE 12-20-45 (LA GRANGE ROAD) AT HOMESTEAD ROAD 5% 31 13923 31ST STREET AT BRAINARD AVENUE 3.3% 33 13925 BIST STREET AT FOREST ROAD 5% 1 13930 BIST ST PEDESTRIAN CROSSING BETWEEN RAYMOND AVE AND HARRISON AVE 100% 35 22290 WOLF ROAD AT DIVERSEY AVENUE 5% 36 1470 US ROUTE 34 (OGDEN AVENUE) AT JOLIET AVENUE 3575 IL ROUTE 171 (1ST AVENUE) FRONTAGE ROAD AT 47TH STREET (EAST RAMP) 100% 3810 UOLIET ROAD AT 47TH STREET 100% 36 3815 A7TH STREET AT LAWNDALE AVENUE 95% 5% 37 3870 55TH STREET AT LAUREL AVENUE 38 2377 IL ROUTE 43 (HARLEM AVENUE) AT MONTROSE AVENUE (WEST) 95% 5%

FILE NAME =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(SHEET 1 OF 5)

SCALE: SHEET NO. OF SHEETS STA.

TO STA.

A: SECTION COUNTY TOTAL SHEET NO.

2014-019TS COOK 90 5

CONTRACT NO. 60Y05

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38030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	23	2	2			1	2			+	2		2 2	2			2			***************************************		+	***************************************		2		2	4
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88030214	SIGNAL HEAD, LED, 2-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1		***************************************			_					***************************************									***************************************						_		
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8030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4				2	-	-			-			-			-	-			And and a second	*************	+	H	-		-		+
8030230	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	4					2	$\parallel \parallel$	A de ences de carcina es d		+		***************************************		-			-		2		***************************************						-	
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38030240	SIGNAL HEAD, LED. 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	33	17		2	2	3	1				1		1 2	2		***	2		1						400			
88030250	SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1		***************************************																1			***************************************						
38030310	SIGNAL HEAD, LED, 3-FACE. 3-SECTION, BRACKET MOUNTED	EACH	2	SAMA PROPERTY OF THE PROPERTY	***************************************	-			***************************************						-	1										_		***************************************		
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8030320	SIGNAL HEAD, LED. 3-FACE. 1-3 SECTION, 2-5 SECTION BRACKET MOUNTED	EACH	1	- Annual		***************************************		1		and the second s			***************************************											***************************************				**************************************		1
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18030330	SIGNAL HEAD, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION BRACKET MOUNTED	EACH	3		1	-		annote the same of		**************************************					+	1		The state of the s								-	+	***************************************		-
88055170	OPTICALLY PROGRAMMED SIGNAL HEAD, LED. 1-FACE. 4-SECTION, MAST ARM MOUNTED	EACH	1		1			***************************************		Aver deserved to the transcent of the tr				***************************************	1															
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88055200	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2		2	-	-	-	***************************************				-			+		\dashv		-		***************************************	\vdash	+	\vdash	_	++		-	+

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STATE OF ILLINOIS
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F.A. SECTION COUNTY TOTAL SHEET NO.

2014-019TS COOK 90 7

| CONTRACT NO. 60Y05

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88102717 Pf	EDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	131	43		4	2	2	4		4	2	4		4			6	4 12	?	6			-	2				2 14	4 4	2	***************************************	4 4 2
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88102747 PE	EDESTRIAN SIGNAL HEAD. LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	43	7	-	-	2		-	4		3			2	-	-	5	-		1					4			4 3	2		4	1
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x8620050 U	ININTERRUPTABLE POWER SUPPLY, GROUND MOUNTED	EACH	2		***************************************			***************************************	***************************************									1	-	1								Western section of the section of th	-			_	
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SUMMARY OF QUANTITIES	F.A. SECTION COUNTY SHEETS NO.
(SHEET 5 OF 5)	2014-019TS COOK 90 9
(SHEEL 3 UF 3)	CONTRACT NO. 60Y05
SCALE: SHEET NO. OF SHEETS STA. TO ST	TA. ILLINOIS

CONSTRUCTION CODE

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TRAFFIC SIGNAL TOTAL UNIT QUANTITY CODE NO. ITEM URBAN X8008550 COMBINATION SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION OPTICALLY PROGRAMMED. 1-3 SECTION BRACKET MOUNTED, RETROFIT EACH D ZOOTWOON TRAINEES - TRAINING PROGRAM GRADUATE HOUR 500 \$ 004Z

2183 P18 168-811 SINGH 100T YAR-YARIND*1₹-801 CONFOS COOK CO.L

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(SHEET 5 OF 5)
| SHEET NO. OF SHEETS STA.

TO STA.

SCALE:



TRAFFIC SIGNAL LEGEND ITEM REMOVAL EXISTING PROPOSED ITEM EXISTING PROPOSED ITEM REMOVAL EXISTING PROPOSED REMOVAL ELECTRIC CABLE IN CONDUIT, TRACER, R 3 -CONTROLLER CABINET \boxtimes \bowtie $\triangleright \blacktriangleleft$ EMERGENCY VEHICLE LIGHT DETECTOR NO. 14 1/C. UNLESS NOTED OTHERWISE Ro-0 ₽ P R► R RAILROAD CONTROL CABINET CONFIRMATION BEACON 0-0 --COAXIAL CABLE ECC COMMUNICATIONS CABINET CC CC $^{R}\square$ HANDHOLE MASTER CONTROLLER EMC MC RH VENDOR CABLE FOR CAMERA Н H HEAVY DUTY HANDHOLE MASTER MASTER CONTROLLER EMMC MMC R COPPER INTERCONNECT CABLE, EUPS UPS UPS Δ UNINTERRUPTABLE POWER SUPPLY DOUBLE HANDHOLE -(6)- NO. 18 3 PAIR TWISTED, SHIELDED R **(** 0 JUNCTION BOX SERVICE INSTALLATION. -D-R -0-FIBER OPTIC CABLE (P) POLE OR (G) GROUND MOUNT UNDERGROUND CONDUIT. NO. 62.5/125, MM12F GALVANIZED STEEL (UC) TELEPHONE CONNECTION T P T FIBER OPTIC CABLE (P) POLE OR (G) GROUND MOUNT -(24F)-TEMPORARY SPAN WIRE, TETHER WIRE, NO. 62.5/125, MM12F SM12F STEEL MAST ARM ASSEMBLY AND POLE AND CABLE FIBER OPTIC CABLE ALUMINUM MAST ARM ASSEMBLY AND POLE COMMON TRENCH CT -(36F)-NO. 62.5/125, MM12F SM24F COILABLE VONMETALLIC CONDUIT (EMPTY) CNC STEEL COMBINATION MAST ARM 0-X-ASSEMBLY AND POLE WITH LUMINAIRE GROUND ROD AT (C) CONTROLLER, SYSTEM ITEM S (H) HANDHOLE, (P) FOST, (M) MAST ARM, STEEL COMBINATION MAST ARM OR (S) SERVICE IP INTERSECTION ITEM PTZ ASSEMBLY AND POLE WITH PTZ CAMERA CONTROLLER CABINET AND REMOVE ITEM 0 \bowtie FOUNDATION TO BE REMOVED RELOCATE ITEM TEMPORARY WOOD POLE (CLASS 5 OR \otimes • R BETTER) 45 FOOT (13.7m) MINIMUM STEEL MAST ARM POLE AND ABANDON ITEM FOUNDATION TO BE REMOVED (R) R GUY WIRE 12" (300mm) TRAFFIC SIGNAL SECTION ALUMINUM MAST ARM POLE AND SIGNAL HEAD $\neg \triangleright$ FOUNDATION TO BE REMOVED (R) 12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE SIGNAL HEAD CONSTRUCTION STAGES STEEL COMBINATION MAST ARM ASSEMBLY (NUMBERS INDICATE THE CONSTRUCTION STAGE) AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED SIGNAL HEAD WITH BACKPLATE +CR $+\triangleright$ + SIGNAL POST AND FOUNDATION G ◆Y ◆G RPF SIGNAL HEAD OPTICALLY PROGRAMMED - "P" SIGNAL FACE TO BE REMOVED FLASHER INSTALLATION O-D′′F′′ ● **►**"F" INTERSECTION & SAMPLING (S DENOTES SOLAR POWER) IS IS (SYSTEM) DETECTOR R Y G ←Y ←G PEDESTRIAN SIGNAL HEAD $-\Box$ -[5] S SAMPLING (SYSTEM) DETECTOR SIGNAL FACE WITH BACKPLATE. PEDESTRIAN PUSHBUTTON DETECTOR 0 0 "P" INDICATES PROGRAMMED HEAD [0] Q QUEUE DETECTOR ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR @ APS @APS APS "RB" INDICATES REFLECTIVE BACKPLATE PREFORMED QUEUE DETECTOR TILLUMINATED SIGN 9 3 9 "NO LEFT TURN" 12" (300mm) PEDESTRIAN SIGNAL HEAD PREFORMED INTERSECTION AND SAMPLING WALK/DON'T WALK SYMBOL (SYSTEM) DETECTOR ILLUMINATED SIGN 3 \odot "NO RIGHT TURN" PS 12" (300mm) PEDESTRIAN SIGNAL HEAD PREFORMED SAMPLING (SYSTEM) DETECTOR INTERNATIONAL SYMBOL, OUTLINED DETECTOR LOOP, TYPE I 12" (300mm) PEDESTRIAN SIGNAL HEAD RAILROAD SYMBOLS INTERNATIONAL SYMBOL, SOLID PREFORMED DETECTOR LOOP PEDESTRIAN SIGNAL HEAD, INTERNATIONAL MICROWAVE VEHICLE SENSOR (M) M M SYMBOL, WITH COUNTDOWN TIMER EXISTING PROPOSED [V] (V) VIDEO DETECTION CAMERA ₹**>**€ R►<R FAILROAD CONTROL CABINET 111110 RADIO INTERCONNECT VIDEO DETECTION ZONE XOX X X FAILROAD CANTILEYER MAST ARM XOX X ERR RADIO REPEATER RERR RR $\times \circ \times$ FLASHING SIGNAL XOX PAN, TILT, ZOOM CAMERA PTZ PTZ PTZ DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, CROSSING GATE X0X> XOX-ALL DETECTOR LOOP CABLE TO BE SHIELDED R(W) (W) (W) WIRELESS DETECTOR SENSOR GROUND CABLE IN CONDUIT 75 * ---(1)---WIRELESS ACCESS POINT NO. 6 SOLID COPPER (GREEN) USER NAME = _USERNAME_ DESIGNED -REVISED DW SECTION COUNTY STATE OF ILLINOIS DRAWN CC REVISED DISTRICT ONE - STANDARD TRAFFIC SIGNAL DESIGN DETAILS 2014-019TS COOK 90 11 CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60Y05

SCALE: N.T.S. SHEET NO. 1 OF 7 SHEETS STA.

PLOT DATE = 5/13/2014

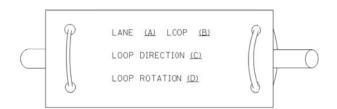
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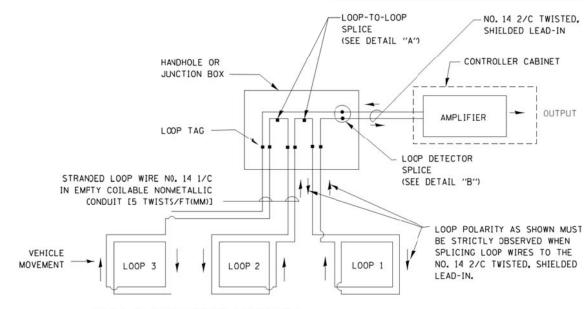
LOOP DETECTOR NOTES

- 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 LOCPS 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 CR 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. LODPS SHALL BE WARKED 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 CF 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

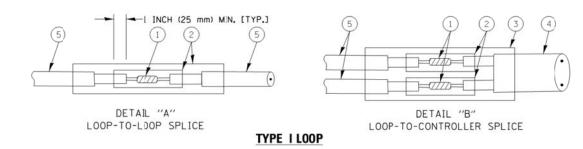


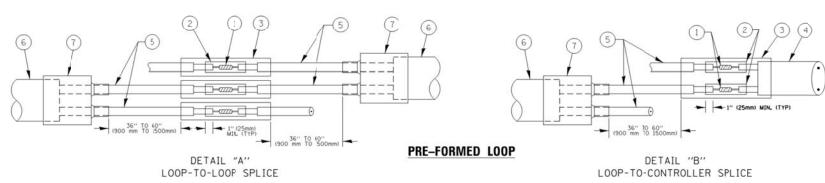
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP *1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



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.



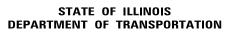


LOOP DETECTOR SPLICE

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

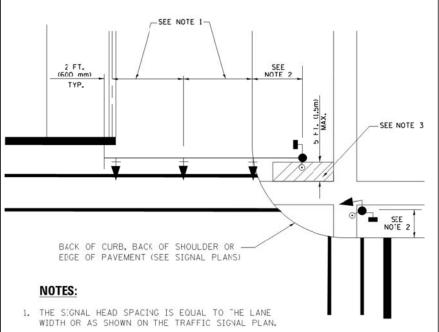
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- (6) PRE-FORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

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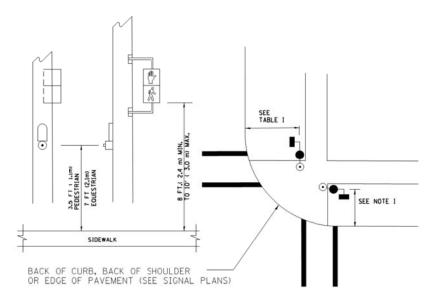
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TRAFFIC SIGNAL MAST ARM AND SIGNAL POST MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



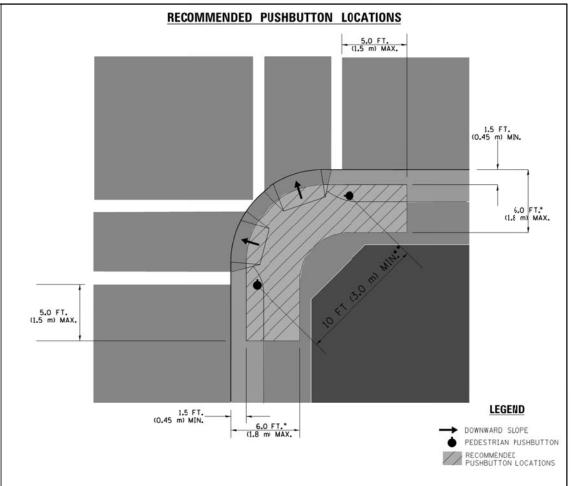
- 2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- 3. PROVIDE A LEVEL ALL-WEATHER SURFACE CONCRETE SIDEWALK. ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR
- 4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO 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

PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

Averaga private Avan (Avan (Avan) - Hours (Av									
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 (O.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 MCUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.							

NOTES:

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

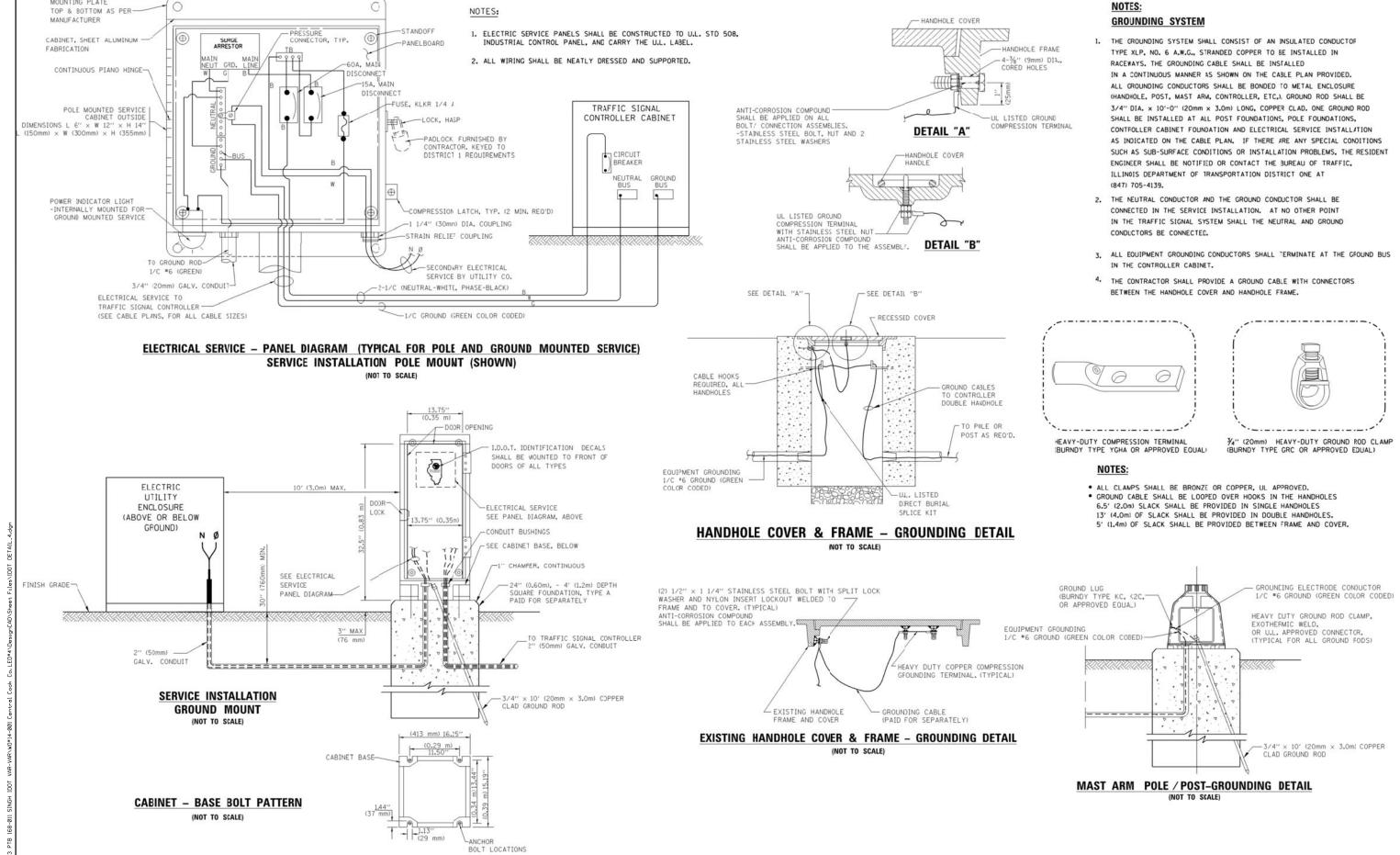
USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED	-
	DRAWN	-	CC	REVISED	-
PLOT SCALE = 20.0000 ' / in.	CHECKED	-	КММ	REVISED	-
PLOT DATE = 5/13/2014	DATE	_		REVISED	-

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

						F.A. RTE.	SECTION	COUNTY
DISTRICT (ONE – STAN	DAKL	IKAFFI	C SIGNA	AL DESIGN DETAILS		2014-019TS	COOK
								CONTRACT
SCALE: N.T.S.	SHEET NO. 3	OF	7 SHEETS	STA.	TO STA.		ILLINOIS	•

TOTAL SHEET SHEETS NO. 90 13

MOUNTING PLATE



STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

SECTION

2014-019TS

DISTRICT ONE - STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SHEET NO. 4 OF 7 SHEETS STA.

SCALE: N.T.S.

COUNTY

COOK

90 14

CONTRACT NO. 60Y05

DESIGNED

CHECKED

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DATE

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KMM

USER NAME = _USERNAME.

PLOT DATE = 5/13/2014

LOT SCALE = 20.0000 '/ in.

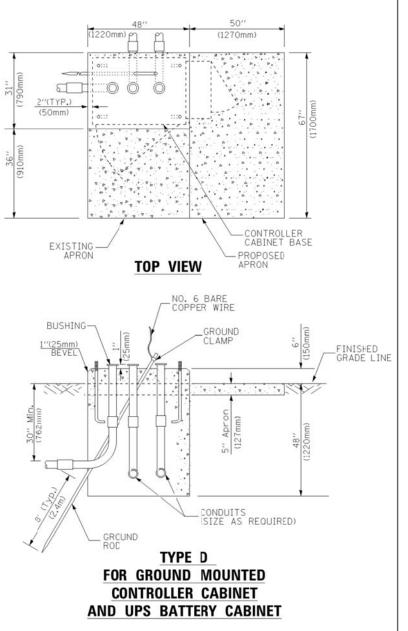
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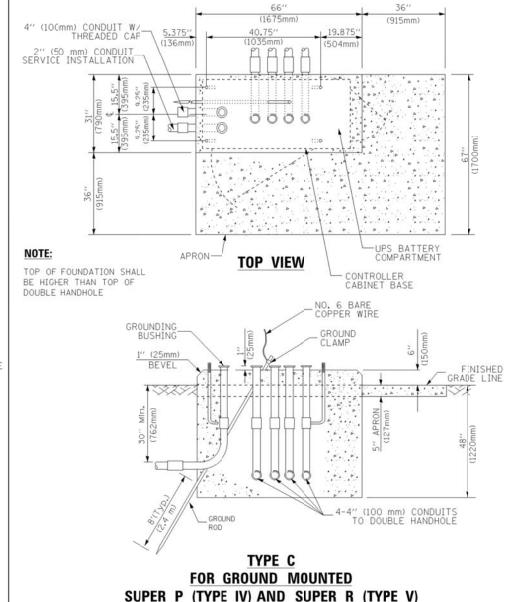
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REVISED

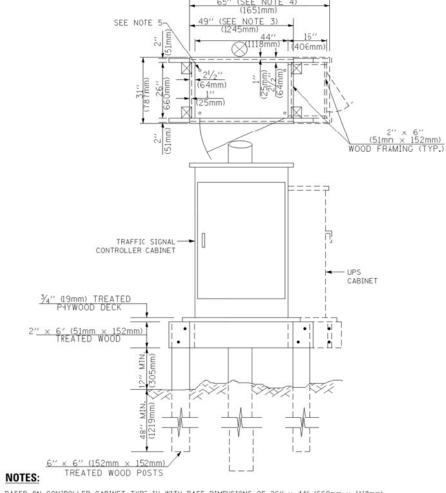
REVISED







SUPER P (TYPE IV) AND SUPER R (TYPE V) **CONTROLLER CABINETS**



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

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
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 - SOUARE	4'-0'' (1.2m)

DEPTH OF FOUNDATION

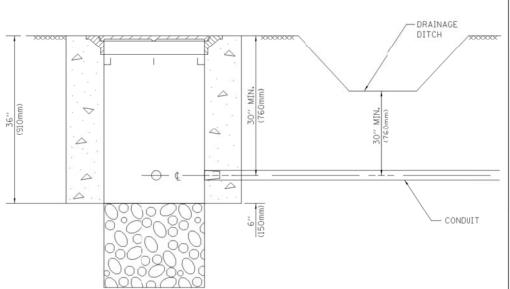
Wast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30′ (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
30' (9.1 m) and less than 40' (12.2 m)	11'-0" (3.4 m)	36" (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 lergth 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
- 2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- 3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
- 4. For most arm assemblies with dual arms refer to state standard 878001..

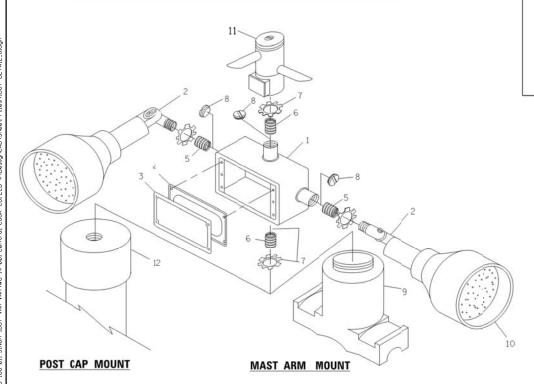
DEPTH OF MAST ARM FOUNDATIONS, TYPE E

										13 3
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -				F.A. RTE.	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	DISTRICT	ONE – STANDARD TRAFFIC SIGNAL DESIGN DETAILS		2014-019TS	COOK	90 15
PLOT SCALE = 20.0000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT	
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO. 5 OF 7 SHEETS STA. TO STA.		ILLINOIS		



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

HANDHOLE WITH MINIMUM CONDUIT DEPTH



(1675mm) (915mm) 19.875" (136mm) (1035mm) (504mm) -CONTROLLER CABINET BASE **TOP VIEW** NO. 3 DOWEL 18" (450mm) LONG (8 REQ.) BUSHING -_GROUND CLAMP / ANCHOR BOLTS (300mm) (300mm)

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

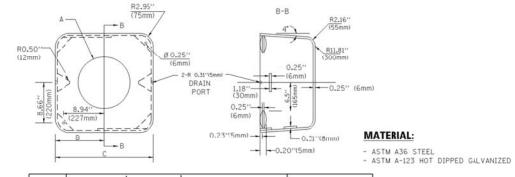
-EXISTING CONDUITS

EXISTING GROUND ROD

(NOT TO SCALE)

ITEM	NO.	IDENTIFICATION
1	OU	TLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LA	MP HOLDER AND COVER
3	OL	TLET BOX COVER
4	RU	BBER COVER GASKET
5	RE	DUCING BUSHING
6	3/4	"(19 mm) CLOSE NIPPLE
7	3/4	"(19 mm) LOCKNUT
8	3/4	"(19 mm) HOLE PLUG
9	SA	DDLE BRACKET - GALV.
10	6	WATT PAR 38 LED FLOOD LAMP
11	DE	TECTOR UNIT
12	PO	ST CAP [18 FT. (5.4 m) POST MIN.]

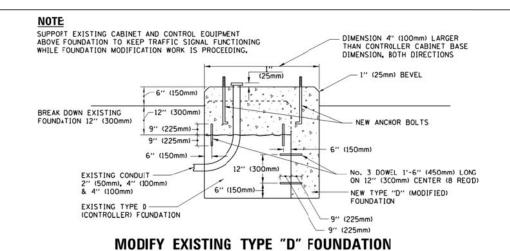
- I. ALL ELECTRICAL ITEMS. EXCEPT ITEMS "2 AND "11 SHALL BE ALUMINUM OR
- 2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- 3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION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



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

SHROUD

- 1. 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 /ERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- 3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM FOLE BASE.



TO BE REMOVED EXISTING CONDUIT PLAN ELEVATION

- 1. HANDHOLE CONSTRUCTED PER STATE STANDARD 8:4001.
- 2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

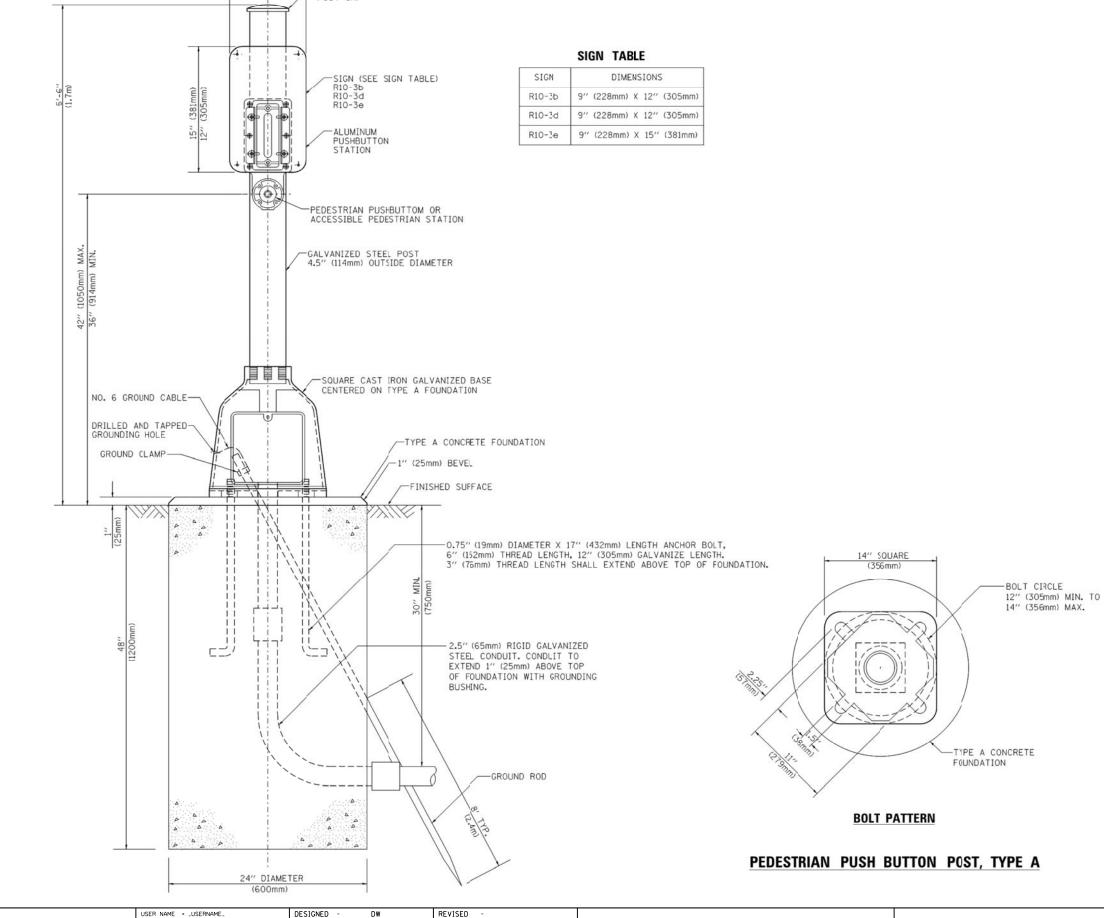
		15-
ITY	TOTAL SHEETS	SHEI NO
OK	90	16

USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED	-
	DRAWN	-	CC	REVISED	-
PLOT SCALE = 20.0000 ft / in.	CHECKED	-	кмм	REVISED	-
PLOT DATE = 5/13/2014	DATE	-		REVISED	-

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE - STANDARD TRAFFIC SIGNAL DESIGN DETAILS SCALE: N.T.S. SHEET NO. 6 OF 7 SHEETS STA.

SECTION 2014-019TS CONTRACT NO. 60Y05



DRAWN

DATE

CHECKED

PLOT SCALE = 20.0000 ft / in.

PLOT DATE = 5/13/2014

CC

REVISED

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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE - STANDARD TRAFFIC SIGNAL DESIGN DETAILS SCALE: N.T.S. SHEET NO. 7 OF 7 SHEETS STA.

COUNTY TOTAL SHEET NO.

COOK 90 17 SECTION COUNTY 2014-019TS CONTRACT NO. 60Y05

MOVEMENT	-6-	1	0		100	3	1	4 -	-	8 O.L	-
PHASE		1 + 6							4 + 8	100	1
INTERVAL	1	2.A.	2.8	3	4	5 A	5.8	6	7.A.	7.8	A
CHANGETO		3 -			4+1	_ 2.	6		_2.	6	, S
ILL 43 N/B	G I	Y	R	R	R	R	R	R	R	R	
near & far right singals	9 -	G	G -	G-	G-	G-	G	G -	g	G	
ILL 43 N/B	-1	-									
mastarm signals	G T	Y	R	R	R	R	R	R	R	R	
ILL 43 S/B	at	· ·	я	R	R	R	R	R		R	-
65th St. W /8					-			-			
near right signal	R	R	R	G	G	Y	R	G	Y	R	F
65th St. W /8	-			G	G	-				-	-
far left and far right signals	R	R	R	- G	Y	Y	R	G	Y	R	P
65th \$1, cutoff E/8	R	R	R	R	R	R	R	G	· ·	R	R

RAILROAD PREEMPTION SEQUENCE OF OPERATION

					PREEMPTOR NUMBER 2				
Ι,		3	6						
1A	18	10	10	1E	2	3	4	5	CLEAR
18	2	2	16	2	3	4	5		NORMAL SEQUENCE
Y	R	R Y-	R Y	R	R	R	R	1 G	Δ
Y	R	R	R	R	R	R	R	ł G	Δ
Y	R	R	R	R	R	R	R	1 G	Δ
R	R	G	G	G	G	Y	R	R	Δ
R	R	G	G	G	G G	Y	R	R	Δ
R	R	R	Y	R	R	R	R	R	Δ
	18 Y Y Y	18 2 Y R Y R Y R R R	(A 18 1C 2 2 R Y R Y R R R R G G R R G G G G G G G G	'A 18 1G 1D 'B 2 2 1E Y R Y R Y R R Y R R Y R G G R R G G	'A 18 1C 1D 1E 'B 2 2 1E 2 Y R R R Y R R R Y R R R R R R R	MUMBER 2 1 3 6 1A 18 1G 1D 1E 2 1B 2 2 1E 2 3 Y R Y R R R Y R R R R Y R R R R Y R R R R	**************************************	MOMBER 2 1	1

Railroad Preemption Sequence shall provide proper clearance to resume the normal sequence of coperation or proper clearance interval to display on Emergency Vehicle Interval (if applicable) after Railroad Preemption Interval S is terminated.

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATIONS .

		-									PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER			1		3		3	6		6	1000	29 05	CLEAR
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATON INTERVAL NUMBER	1.	A	18	10	10	15	1F	1G	1H	1,1	2	3	NORMAL SEQUENCE
CHANGE TO EMERGENCY VEHICLE PREEMPTION OF OPERATION INTERVAL NUMBER	. 2		1C	3	1E	2	16	1,1	2	3	Es de	SE0234	0
ILL 43 N/B near and far right signals	G	1	Y	R	G R	R G	Y R	G R	R G	R Y	G I	R	0
ILL 43 N/B mast arm signals	G	+	Y	R	R	R	R	R	R	R	g I	R	0
ILL 43 S/B all signals	G	1	Y	R	R	R	R	R	R	R	g ł	R	0
65th St. W/B néar right signal	R		R	R	Y	R	G	Y	R	G	R	G	\ \dolsambda
65th St. W/B far side signals	R		R	R	Y	R	G Y	Y	R	G	R	G	0
Sth St. cutoff E/B signals	R		R	R	R	R	R	Y	R	G	R	G	0

Emergency Vehicle Sequence shall provide the proper clearance interval to resume the normal sequence of operations or proper clearance interval to display a different emergency vehicle interval after Emergency Vehicle Interval 2 or 3 is terminated.

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

ELECTRICAL SERVICE REGULTREMENTS										
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL					
		INCAND.	LED		WATTAGE					
SIGNAL (RED)	13	1 35	1 7	0.50	111					
(YELLOW)	13	1 35	25	0.25	82					
(GREEN)	13	1 35	15	0.25	49					
ARROW	8	1 35	12	0.10	10					
PED. SIGNAL	0	90	25	1.00	0					
CONTROLLER	1	100	100	1.00	100					
ILLUM. SIGN		252	25	0.05						
VIDEO SYSTEM		150	-	1.00						
FLASHER LED										

TOTAL =

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT

SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN

708-235-2692 COMMONWEALTH EDISON 1 REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

TYPE A CONCRETE FOUNDATION.

TYPE A CONCRETE FOUNDATION.

REPLACE 14 FT. PAINTED POST. RE-USE EXISTING

REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. REPLACE 18 FT. PAINTED POST. RE-USE EXISTING

GREEN

65TH ST.

IL ROUTE 43 (HARLEM AVENUE) AT 65TH STREET SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, RAILROAD PREEMPTION SEQUENCE AND EMERGENCY VEHICLE PREEMPTION SEQUENCE SCALE: N.T.S.

BEDFORD PARK COUNTY TOTAL SHEET NO.

COOK 90 18 COUNTY SECTION 2014-019TS CONTRACT NO. 60Y05

GREEN

TS #2160

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
2	EACH	RELOCATE EXISTING SIGNAL HEAD
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOVE AND REPLACE ANCHOR BOLTS

<u>CABLE PLAN</u>

NO. 6

IL RTE.

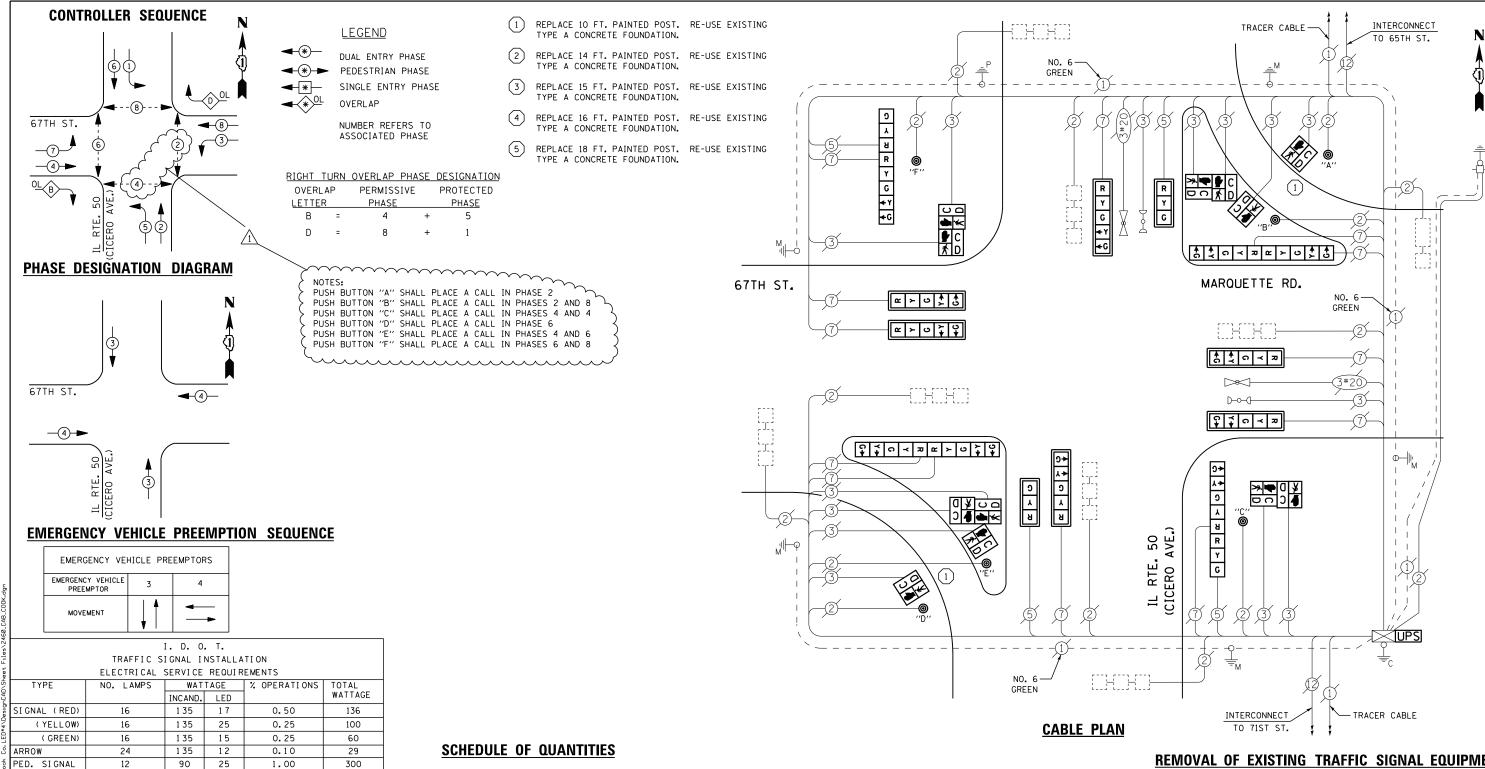
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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 POST

USER NAME = _USERNAME_ DESIGNED REVISED DW DRAWN CC REVISED CHECKED KMM REVISED PLOT DATE = 5/13/2014 DATE REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SHEET NO. OF SHEETS STA.



<u>QUANTITY</u>	<u>UNIT</u>	<u>I TEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
6	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
2	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
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 3-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	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
6	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.

SIGNAL HEAD, 3 - SECTION EACH SIGNAL HEAD, 5 - SECTION EACH

SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION EACH

SIGNAL HEAD, 2 - FACE, 5 SECTION TRAFFIC SIGNAL BACKPLATE EACH

12 EACH PEDESTRIAN SIGNAL HEAD FACH PEDESTRIAN PUSH-BUTTON

SIGNAL POST EACH

> TS #2460 REDEORD PARK

USER NAME = _USERNAME_	DESIGNED -	DW	REVISED	- \Lambda	06/13/2014	
	DRAWN -	CC	REVISED	-		
PLOT SCALE = 20.000 '/ in.	CHECKED -	KMM	REVISED	-		
PLOT DATE = 6/18/2014	DATE -		REVISED	-		

100

725

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE: N.T.S.

								טבטו טוג	0 . 7	" "
					(MARQUETTE ROAD)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE						2014-019TS	СООК	90	19	
	AND ENIE	RGENUT		RECIVIPITUN	SEUDENCE			CONTRACT	NO. 6	0Y05
	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS			

CONTROLLER ILLUM. SIGN VIDEO SYSTEM FLASHER LED ENERGY COSTS-ENERGY SUPPLY -

100

252

150

100

25

BILLED TO: IDOT DISTRICT 1

CONTACT ILYAS MOHIUDDIN

708-235-2692

1.00

0.05

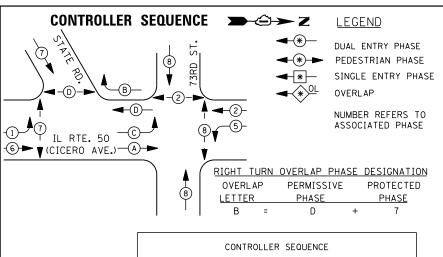
1.00

TOTAL =

201 WEST CENTER COURT

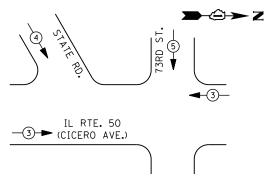
COMMONWEALTH EDISON

SCHAUMBURG, IL 60196-1096



CONTROLLER SEQUENCE									
SEQUENCE NUMBER	1	2	3	4	5	6			
PHASES	1+5+6+C	1+6+A+C	2+5+D	2+6+A+D	7+A+B+C	8+D			

PHASE DESIGNATION DIAGRAM



EMERGENCY	VEHICLE	PREEMPTION	SEQUENCE

EMERGENCY VEHICLE PREEMPTORS								
EMERGENCY VEHICLE PREEMPTOR	3	4	5					
MOVEMENT	—	_	1					

I. D. O. T.										
TRAFFIC SIGNAL INSTALLATION										
	ELECTRICAL SERVICE REQUIREMENTS									
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL					
		INCAND.	LED		WATTAGE					
SIGNAL (RED)	27	1 35	1 7	0.50	230					
(YELLOW)	27	1 35	25	0.25	169					
(GREEN)	27	1 35	15	0.25	102					
ARROW	18	1 35	12	0.10	22					
PED. SIGNAL	8	90	25	1.00	200					
CONTROLLER	1	1 00	1 00	1.00	100					
ILLUM. SIGN		252	25	0.05						
VIDEO SYSTEM		150	-	1.00						
FLASHER LED										
				TOTAL =	823					

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN 708-235-2692

COMMONWEALTH EDISON

(2)

INTERCONNECT

TO 75TH PL.

TRACER —

CABLE

CABLE PLAN

1.1

REC \bigcirc

(M-X)-(5)-

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
5	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
17	EACH	RELOCATE EXISTING SIGNAL HEAD
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
4	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

IL RTE. 50

(CICERO AVE.)

GREEN

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

73RD

(2)

(4)

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→ Z

- TRACER CABLE

INTERCONNECT

TO 72ND ST.

8 EACH PEDESTRIAN PUSH-BUTTON

SIGNAL POST 8 EACH

1 REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

2 REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

3 REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

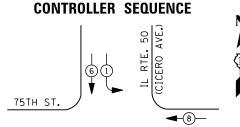
REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

> TS #2465 REDEORD PARK

	···							טבטו	טווט	I AIN	17
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		IL ROUTE 50 (CICERO AVENUE) A	T 73RD STREET /STATE ROAD	F.A. SECTION	COUN	LA ZHE	TAL SH	4EET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLA	AN, PHASE DESIGNATION DIAGRAM	2014-019T	s coo	K S	90	20
PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	AND EMERGENCY VEHICLE	PREEMPTION SEQUENCE			RACT NO	0. 60Y	/05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS	S STA. TO STA.	ILLINO	IS			

NO. 6 GREEN-



DUAL ENTRY PHASE PEDESTRIAN PHASE SINGLE ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE

REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

PHASE DESIGNATION DIAGRAM

INTERCONNECT — TRACER CABLE TO 75TH PL. G **ก** ด ≺ ฆ ๔ ≻ บ _ ლ ≻ ს 76TH ST. a > 이약 NO. 6-GREEN GREEN **☆**○≺₽ **೧** √ ೩ — 5 0+ ↓+ 0 ↓ > ს В В Y G NO. 6-INTERCONNECT GREEN TRACER-TO 78TH ST. CABLE

CABLE PLAN

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>I TEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
2	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, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
2	EACH	SIGNAL HEAD, LED. 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 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	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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.

EACH SIGNAL HEAD, 3 - SECTION

EACH SIGNAL HEAD, 4 - SECTION EACH SIGNAL HEAD. 5 - SECTION

EACH SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-4 SECTION EACH SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION

EACH TRAFFIC SIGNAL BACKPLATE SIGNAL POST

UPS SHALL BE INSTALLED ON LEFT SIDE OF CONTROLLER CABINET DUE TO PHYSICAL CONSTRAINT, OR AS DIRECTED BY THE ENGINEER TS #2535

BEDFORD PARK COUNTY COOK 90 21

USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED -	
	DRAWN	-	CC	REVISED -	
PLOT SCALE = 20.000 '/ in.	CHECKED	-	КММ	REVISED -	
PLOT DATE = 5/13/2014	DATE	-		REVISED -	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SECTION IL ROUTE 50 (CICERO AVENUE) AT 76TH STREET (FORD CITY SOUTH) SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGRAM 2014-019TS CONTRACT NO. 60Y05 SCALE: N.T.S. SHEET NO. OF SHEETS STA.

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS WATTAGE % OPERATIONS TOTAL NO. LAMPS WATTAGE INCAND. LED SIGNAL (RED) 136 1 35 17 0.50 16 (YELLOW) 1 35 25 0.25 100 16 (GREEN) 20 1 35 15 0.25 75 ARROW 1 35 12 0.10 10 PED. SIGNAL 90 25 1.00 Ω Ω CONTROLLER 1 00 100 1.00 100 ILLUM. SIGN 252 25 0.05 VIDEO SYSTEM 1.00 150 TOTAL = 421

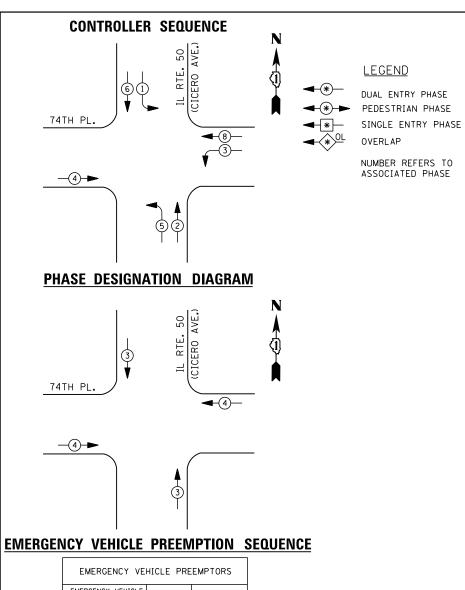
FLASHER LED

BILLED TO: IDOT DISTRICT 1 ENERGY COSTS-

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

CONTACT ILYAS MOHIUDDIN PHONE 708-235-2692 COMMONWEALTH EDISON

ENERGY SUPPLY -



EMERGENCY VEHICLE PREEMPTORS						
EMERGENCY VEHICLE PREEMPTOR	3	4				
MOVEMENT	↓ ↑	←				

I. D. O. T.										
TRAFFIC SIGNAL INSTALLATION										
	ELECTRICAL SERVICE REQUIREMENTS									
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL					
		INCAND.	LED		WATTAGE					
SIGNAL (RED)	14	1 35	1 7	0.50	119					
(YELLOW)	14	1 35	25	0.25	88					
(GREEN)	14	1 35	15	0.25	53					
ARROW	12	1 35	12	0.10	15					
PED. SIGNAL	0	90	25	1.00	0					
CONTROLLER	1	100	100	1.00	100					
ILLUM. SIGN		252	25	0.05						
VIDEO SYSTEM		1.00								
FLASHER LED										
TOTAL = 375										

BILLED TO: IDOT DISTRICT 1

CONTACT ILYAS MOHIUDDIN

708-235-2692

PHONE

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

COMMONWEALTH EDISON

ENERGY COSTS-

ENERGY SUPPLY -

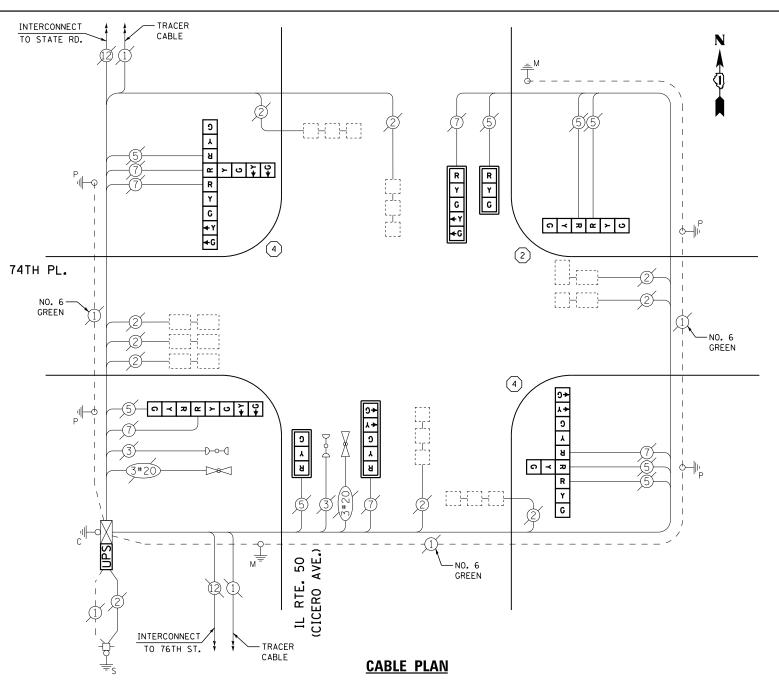
1 REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

2 REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

3 REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

4 REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.



SCHEDULE OF QUANTITIES

QUANTITY	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRAFFIC SIGNAL POST. GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
2	EACH	SIGNAL HEAD. LED. 1-FACE. 3-SECTION. MAST-ARM MOUNTED
2	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
1	EACH	SIGNAL HEAD. LED. 3-FACE. 1-3 SECTION. 2-5 SECTION BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED. 3-FACE, 2-3 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
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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, 3 - SECTION
2	EACH	SIGNAL HEAD, 5 - SECTION
1	EACH	SIGNAL HEAD, 2 - FACE, 3 SECTION
1	EACH	SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION
1	EACH	SIGNAL HEAD, 3 - FACE, 2-3 SECTION, 1-5 SECTION
1	EACH	SIGNAL HEAD, 3 - FACE, 1-3 SECTION, 2-5 SECTION
4	EACH	TRAFFIC SIGNAL BACKPLATE
3	EACH	SIGNAL POST

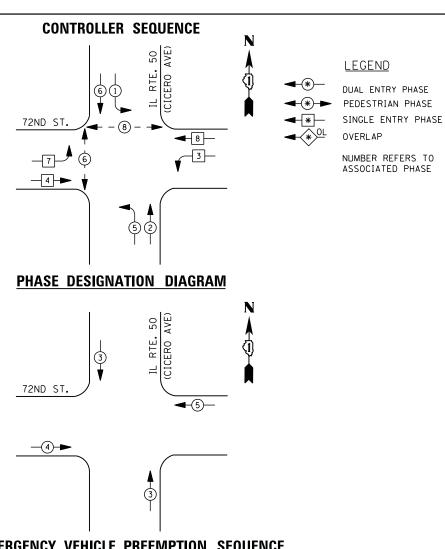
TS #2545 BEDFORD PARK

USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED -
	DRAWN	-	CC	REVISED -
PLOT SCALE = 20.000 '/ in.	CHECKED	-	KMM	REVISED -
PLOT DATE = 5/13/2014	DATE	-		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.

			DEDFOR	זט רי	AUV	
IL ROUTE 50 (CICERO AVENUE) AT 74TH PLACE (FORD CITY NORTH)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE		2014-019TS	соок	90	22	
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE			CONTRACT	NO. 6	0Y05	
SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS				



EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS						
EMERGENCY VEHICLE PREEMPTOR	3	4	5			
MOVEMENT	†		•			

TRAFFIC SIGNAL INSTALLATION											
ELECTRICAL SERVICE REQUIREMENTS											
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL						
		INCAND. LED			WATTAGE						
SIGNAL (RED)	19	1 35	1 7	0.50	162						
(YELLOW)	19	1 35	25	0.25	119						
(GREEN)	19	1 35	15	0.25	72						
ARROW	8	1 35	12	0.10	10						
PED. SIGNAL	4	90	25	1.00	100						
CONTROLLER	1	100	100	1.00	100						
ILLUM. SIGN		252	25	0.05							
VIDEO SYSTEM		150	-	1.00							
FLASHER LED	FLASHER LED										

I. D. O. T.

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

ENERGY SUPPLY -CONTACT ILYAS MOHIUDDIN

708-235-2692 COMMONWEALTH EDISON

TOTAL =

SCHAUMBURG, IL 60196-1096

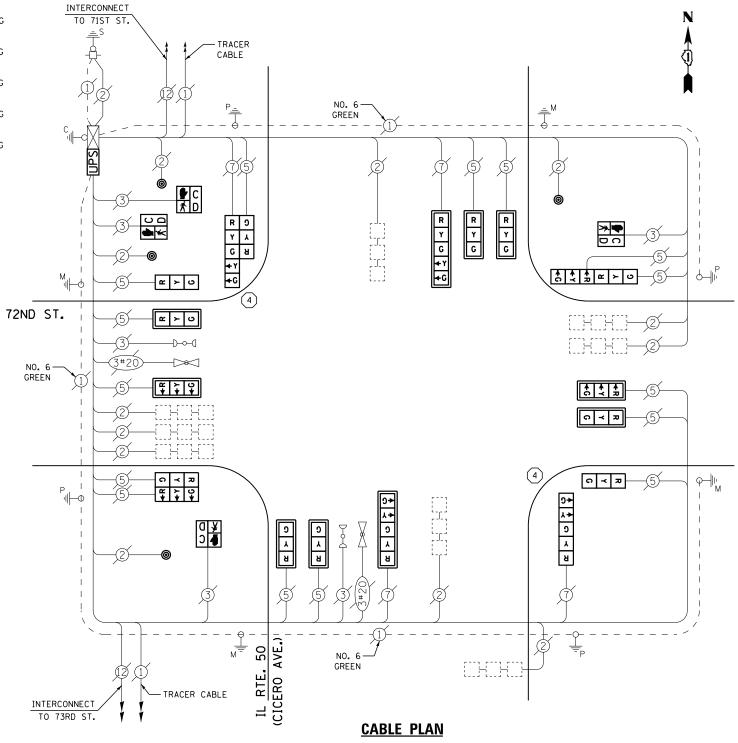
1) REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

3 REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.



SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>I TEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
8	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
2	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
10	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	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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.

10	EACH	SIGNAL	HEAD,	3	-	SECTION
3	EACH	SIGNAL	HEAD,	5	-	SECTION

SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION

SIGNAL HEAD, 2 - FACE, 3 SECTION EACH 10 EACH TRAFFIC SIGNAL BACKPLATE

EACH PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON EACH

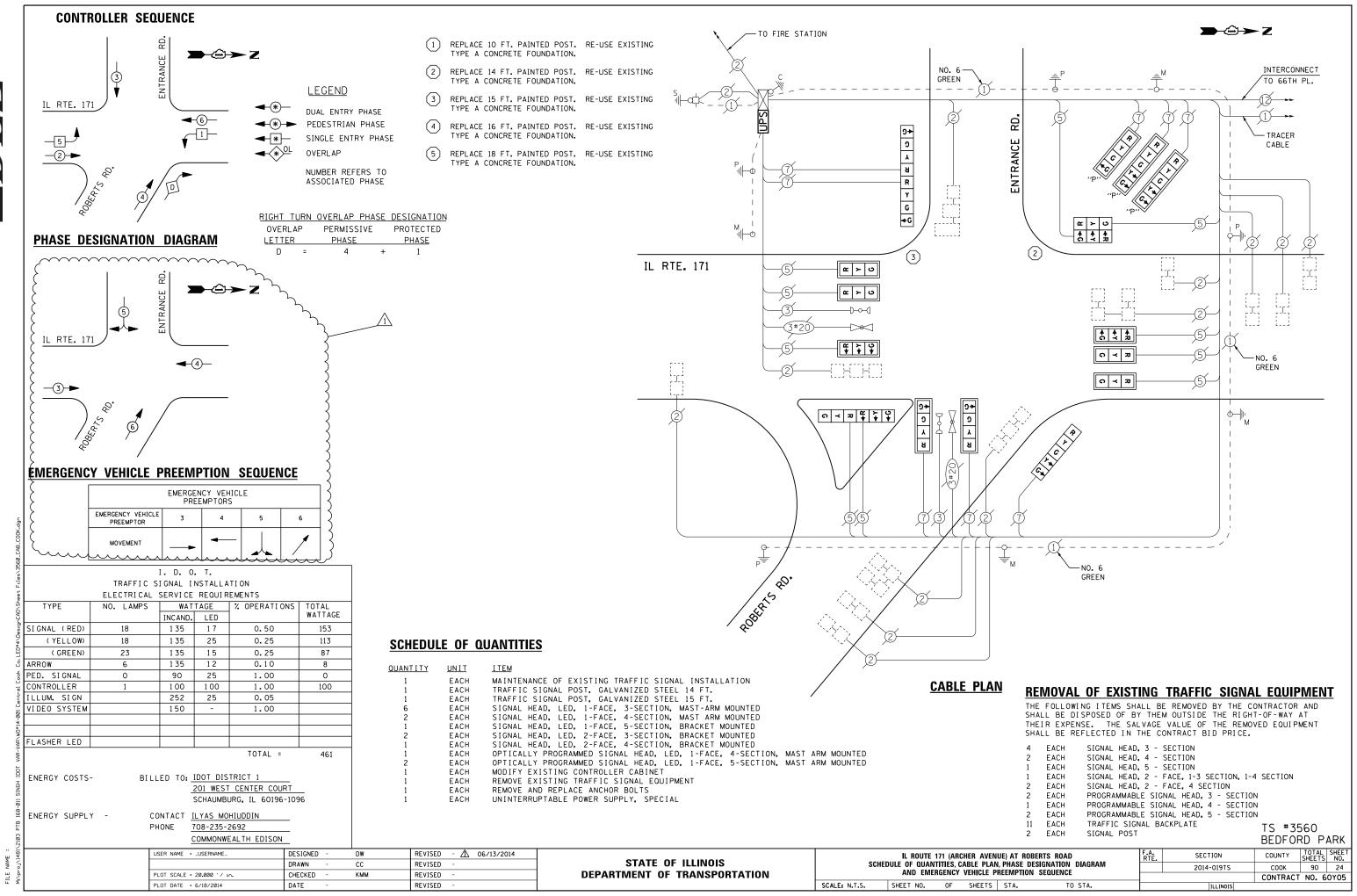
SIGNAL POST EACH

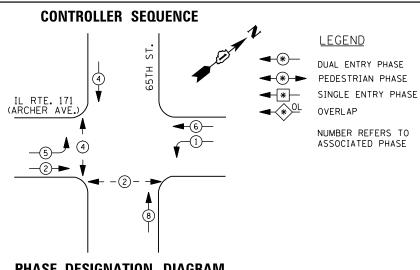
TS #2550 BEDFORD PARK

USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED	-
	DRAWN	-	CC	REVISED	-
PLOT SCALE = 20.000 '/ in.	CHECKED	-	KMM	REVISED	-
PLOT DATE = 5/13/2014	DATE	-		REVISED	-

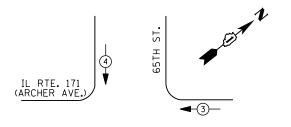
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

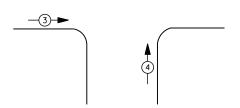
				טבטי טי	· D	, ,, ,, ,
IL ROUTE 50 (CICERO AVENUE) AT 72ND STR	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNA' AND EMERGENCY VEHICLE PREEMPTION SEQU			2014-019TS	COOK	90	23
AND EMENDENCY VEHICLE PREEMPTION SECO	INCE			CONTRACT	NO. 6	0Y05
SCALE: N.T.S. SHEET NO. OF SHEETS STA.	TO STA.		ILLINOIS			





PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PREE	MPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4			
MOVEMENT	+	 			

	TRAFFIC S	I GNAL I	NSTALLA	TION			
	ELECTRICAL SERVICE REQUIREMENTS						
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL		
		INCAND.	LED		WATTAGE		
SIGNAL (RED)	10	1 35	17	0.50	85		
(YELLOW)	10	1 35	25	0.25	63		
(GREEN)	10	1 35	15	0.25	38		
ARROW	8	1 35	12	0.10	10		
PED. SIGNAL	4	90	25	1.00	100		
CONTROLLER	1	1 00	100	1.00	100		
ILLUM. SIGN		252	25	0.05			
VIDEO SYSTEM		150	-	1.00			
FLASHER LED							
				TOTAL =	396		

I. D. O. T.

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN 708-235-2692

COMMONWEALTH EDISON

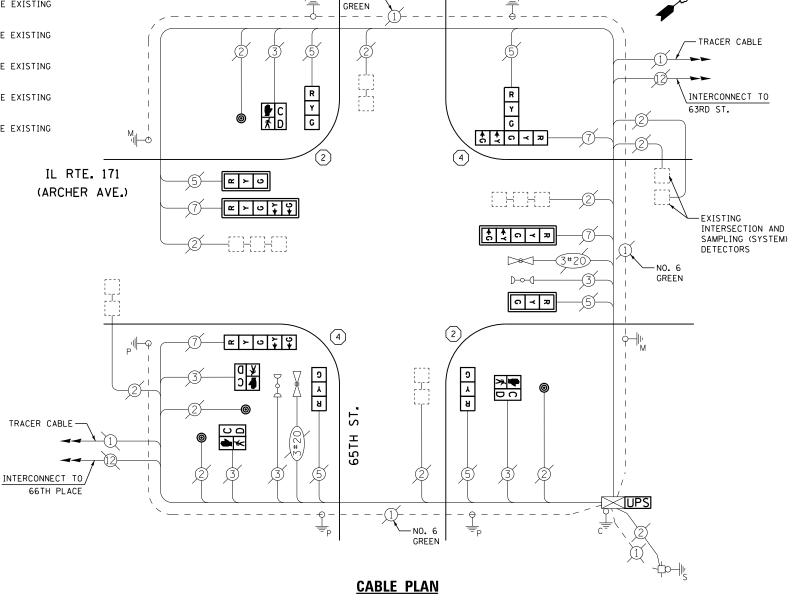
REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.



NO. 6-

SCHEDULE OF QUANTITIES

QUANTITY	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
2	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
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
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
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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.

EACH

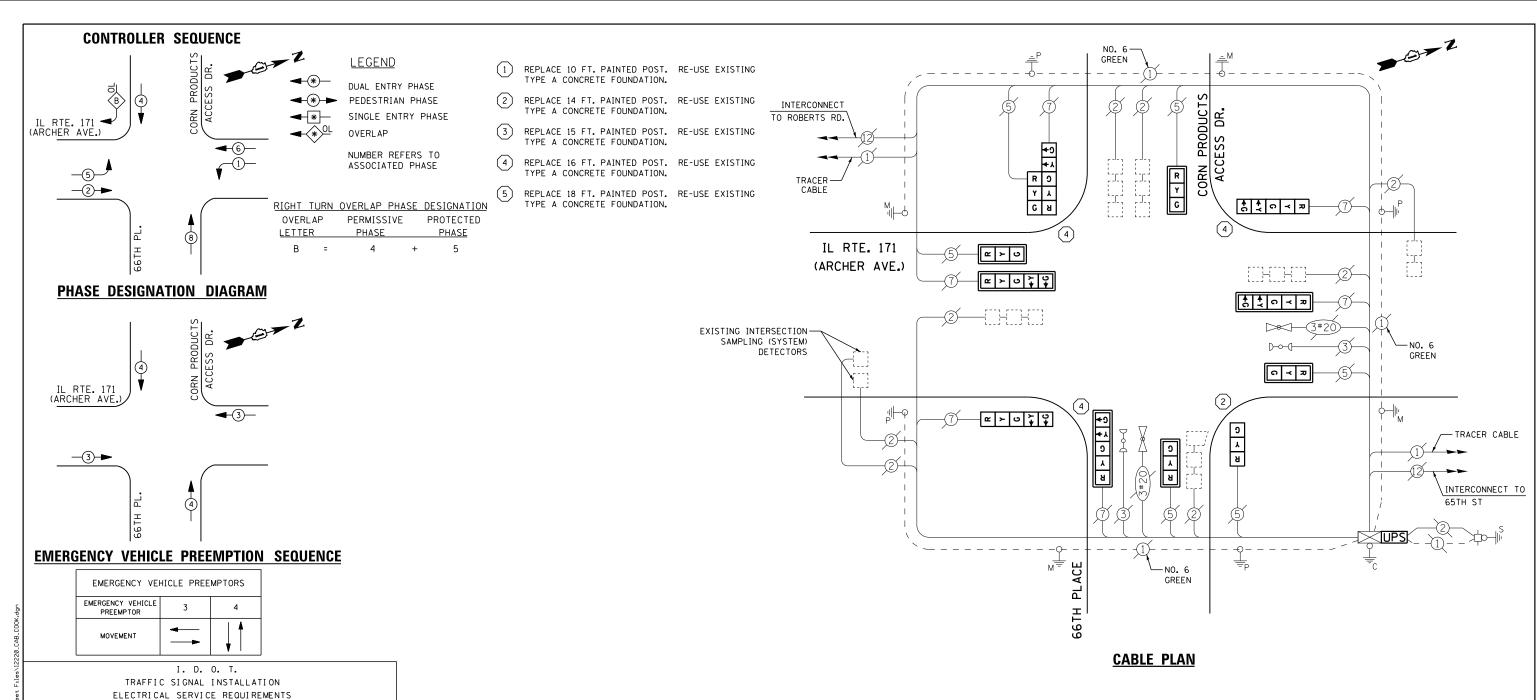
SIGNAL HEAD, 3 - SECTION SIGNAL HEAD, 5 - SECTION SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION

TRAFFIC SIGNAL BACKPLATE PEDESTRIAN SIGNAL HEAD EACH PEDESTRIAN PUSH-BUTTON

SIGNAL POST

TS #11635

COMMONWEALTH EDISON	<u> </u>												DEL	r UKD	LALV	
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -	IL ROUTE 171 (ARCHER AVENUE) AT 65TH STREET			STREET	F.A.	SECTION	cour	TY SHEE	AL SHEE	q i			
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM					11112	2014-019T	s co	K 90	25	-
PLOT SCALE = 20.000 '/ in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EM	ERGENCY	VEHICLE PI	REEMPTION S	SEQUENCE				RACT NO.	60Y05	,†
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINO	DIS			1



×						
2	TYPE	NO. LAMPS	WATTAGE %		% OPERATIONS	TOTAL
٦ ٦			INCAND.	LED		WATTAGE
vDesig	SIGNAL (RED)	12	1 35	1 7	0.50	102
7	(YELLOW)	12	1 35	25	0.25	75
9	(GREEN)	12	1 35	15	0.25	45
Š	ARROW	12	1 35	12	0.10	15
Š.	PED. SIGNAL	0	90	25	1.00	0
9	CONTROLLER	1	100	100	1.00	100
Ę G	ILLUM. SIGN		252	25	0.05	
901 C	VIDEO SYSTEM		150	-	1.00	
╗						

ENERGY COSTS-

ENERGY SUPPLY -

FLASHER LED

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

TOTAL =

337

SCHAUMBURG, IL 60196-1096 CONTACT ILYAS MOHIUDDIN

PHONE 708-235-2692 COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

QUANTITY	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4	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
3	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
7	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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.

EACH SIGNAL HEAD, 3 - SECTION

SIGNAL HEAD, 5 - SECTION SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION

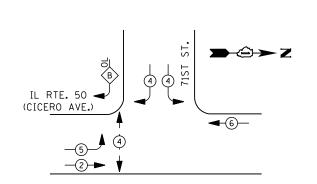
TRAFFIC SIGNAL BACKPLATE

EACH SIGNAL POST

TS #12220

COMMONWEALTH EDISON	<u>-</u>												DEDFO	אט א	ARK
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			IL ROUT	ΓΕ 171 (AI	CHER AVE	NUE) AT 66	TH PLACE	F.A.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHE					SIGNATION DIAGRAM	11123	2014-019TS	соок	90	26
PLOT SCALE = 20.000 ' / in.	CHECKED -	KMM	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EM	ERGENCY	VEHICLE P	REEMPTION	SEQUENCE			CONTRAC	T NO.	OY05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS	1		

CONTROLLER SEQUENCE

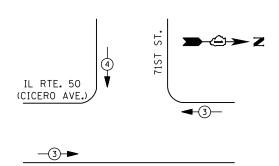


LEGEND DUAL ENTRY PHASE PEDESTRIAN PHASE SINGLE ENTRY PHASE SUBJECTIVE PHASE OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE

RIGHT	TURN	OVERLAP	PHASE	DESIGNATION
OVER	LAP	PERMISS	SIVE	PROTECTED
LETTE	ER	PHASE		PHASE
B	=	4	+	5

PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	—	•

ENERGY COSTS-

ENERGY SUPPLY -

I. D. O. T.						
TRAFFIC SIGNAL INSTALLATION						
	ELECTRICAL	SERVI CE	REQUIR	EMENTS		
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL	
		INCAND.	LED		WATTAGE	
SIGNAL (RED)	13	1 35	1 7	0.50	111	
(YELLOW)	13	1 35	25	0.25	82	
(GREEN)	13	1 35	15	0.25	49	
ARROW	8	1 35	12	0.10	10	
PED. SIGNAL	2	90	25	1.00	50	
CONTROLLER	1	100	100	1.00	100	
ILLUM. SIGN		252	25	0.05		
VIDEO SYSTEM		150	-	1.00		
FLASHER LED						
				TOTAL =	402	

BILLED TO: IDOT DISTRICT 1

CONTACT ILYAS MOHIUDDIN

708-235-2692

PHONE

201 WEST CENTER COURT

COMMONWEALTH EDISON

SCHAUMBURG, IL 60196-1096

> ≥ ≥ Z NO.6-GREEN TRACER CABLE γ γ γ γ 71ST ST. (WALMART) TRACER -CABLE INTERCONNECT TO 67TH ST. INTERCONNECT TO 72ND ST. IL RTE. 50 <u>අ</u> ≻ ප (CICERO AVE.) D-0-(I **-**|>⊗<| **∞** ≻ ∪ **↑ ↑** 0 ≺ **₽** GREEN ດ **≺** ສ ດ **≺** ສ C ← N ۲ ک 8 a > 0 -NO. 6 GREEN

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<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	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
2	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
5	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT

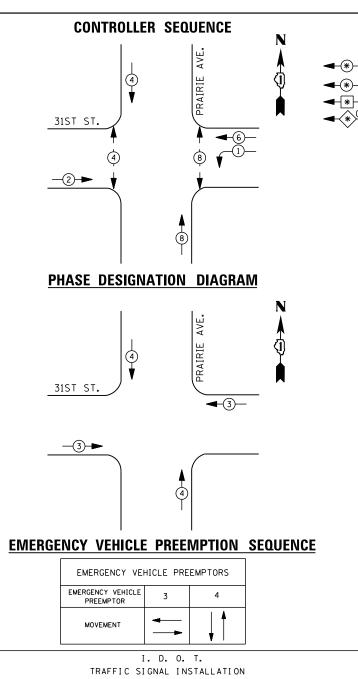
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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 2 EACH PEDESTRIAN PUSH-BUTTON

> TS #21650 BEDFORD PARK

														D_D. 0			
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			IL ROUTE 50	(CICERO	AVENUE) A	AT 71ST	STREET (WALMART)	F.A.	SECT	ION	COUNTY	TOTAL	SHEE	П
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM		11.12.	2014-	-019TS	COOK	90	27	_				
PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EMI	ERGENCY	VEHICLE	PREEMP	TION SEQUENCE				CONTRAC	T NO. E	60Y05	⊢,
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.]:	ILLINOIS				_
																	_



991		ELECTRI CAL	SERVI CE	REQUIR	EMENTS	
5	TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL
2			INCAND.	LED		WATTAGE
esig	SIGNAL (RED)	12	1 35	1 7	0.50	102
?	(YELLOW)	12	1 35	25	0.25	75
3	(GREEN)	12	1 35	15	0.25	45
Š	ARROW	4	1 35	12	0.10	5
ě	PED. SIGNAL	4	90	25	1.00	100
6	CONTROLLER	1	100	100	1.00	100
9	ILLUM. SIGN		252	25	0.05	
100	VIDEO SYSTEM		150	-	1.00	
4-1						
5						
Í	FLASHER LED					
Ė					TOTAL =	427

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN

708-235-2692 COMMONWEALTH EDISON

LEGEND

DUAL ENTRY PHASE **→** PEDESTRIAN PHASE SINGLE ENTRY PHASE

> NUMBER REFERS TO ASSOCIATED PHASE

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	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

31ST ST.

NO. 6 —

GREEN

EXISTING INTERSECTION-

(SYSTEM) DETECTORS

AND SAMPLING

INTERCONNECT TO 17TH AVE.

> TRACER-CABLE

5-000

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.

-NO. 6 GREEN

-NO. 6

CABLE PLAN

PRAIRIE

GREEN

4 EACH PEDESTRIAN SIGNAL HEAD

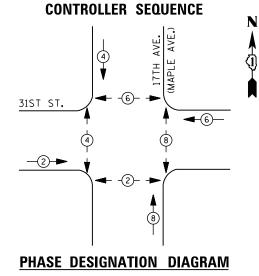
4 EACH PEDESTRIAN PUSH-BUTTON

TS #3691 BROOKFIELD

-EXISTING INTERSECTION

AND SAMPLING (SYSTEM) DETECTORS

												5	J ILLD
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			31ST S1	TREET AT PI	RAIRIE AVI	ENUE	F.A.	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE			2014-019TS	соок	90 28			
PLOT SCALE = 20.000 '/ in.	CHECKED -	кмм	REVISED -	DEPARTMENT OF TRANSPORTATION	AND	EMERGENC	Y VEHICLE I	PREEMPTIO	DN SEQUENCE			CONTRAC	T NO. 60Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S. SHEET N	O. OF	SHEETS	STA.	TO STA.		ILLINOIS		

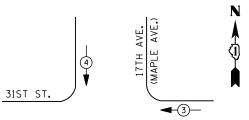


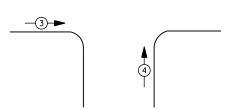
LEGEND

DUAL ENTRY PHASE PEDESTRIAN PHASE

SINGLE ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY \	/EHICLE PRI	EEMPTORS
EMERGENCY VEHICL PREEMPTOR	E 3	4
MOVEMENT	—	

I. D. O. T.											
TRAFFIC SIGNAL INSTALLATION											
ELECTRICAL SERVICE REQUIREMENTS											
TYPE NO. LAMPS WATTAGE % OPERATIONS TOTAL											
	INCAND.	LED		WATTAGE							
12	1 35	1 7	0.50	102							
12	1 35	25	0.25	75							
12	1 35	15	0.25	45							
0	1 35	12	0.10	0							
8	90	25	1.00	200							
1	100	100	1.00	100							
	252	25	0.05								
	150	-	1.00								
	TRAFFIC S ELECTRICAL NO. LAMPS 12 12 12 0	TRAFFIC SIGNAL I ELECTRICAL SERVICE NO. LAMPS WAT INCAND. 12 135 12 135 12 135 0 135 8 90 1 100 252	TRAFFIC SIGNAL INSTALLA ELECTRICAL SERVICE REOUIR NO. LAMPS WATTAGE INCAND. LED 12 135 17 12 135 25 12 135 15 0 135 12 8 90 25 1 100 100 252 25	TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS NO. LAMPS WATTAGE % OPERATIONS INCAND. LED 12 135 17 0.50 12 135 25 0.25 12 135 15 0.25 0 135 12 0.10 8 90 25 1.00 1 100 100 1.00 252 25 0.05							

BILLED TO: IDOT DISTRICT 1

CONTACT JOE STACHO

630-424-5704

TOTAL =

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096 522

SCHEDULE OF QUANTITIES

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8 PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

(n) < \(\pi \)

0 ¥ ⊃ **4** ≫ **(** □

NOTE:

-NO. 6

GREEN

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

4 EACH PEDESTRIAN PUSH-BUTTON

TS #3695 BROOKFIELD

EXISTING INTERSECTION AND SAMPLING

(SYSTEM)

- TRACER CABLE

INTERCONNECT TO

PRAIRIE AVE.

DETECTORS

GREEN

COMMONWEALTH ED130	<u> </u>											DRUU	WLIELD
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			17TH AVENUE	(MAPLE A	VENUE) AT 3	1ST STREET	F.A. RTE.	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEI				DESIGNATION DIAGRAM	11.12.	2014-019TS	соок	90 29
PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EMERGEN	CY VEHICLI	E PREEMPTIO	N SEQUENCE				T NO. 60Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO. OF	SHEET	S STA.	TO STA.		ILLINOIS		

INTERCONNECT TO

NO. 6-

GREEN

30TH ST.

Q- -

17TH A

CABLE PLAN

TRACER -

CABLE

31ST ST.

EXISTING-INTERSECTION AND SAMPLING

(SYSTEM)

TRACER -CABLE

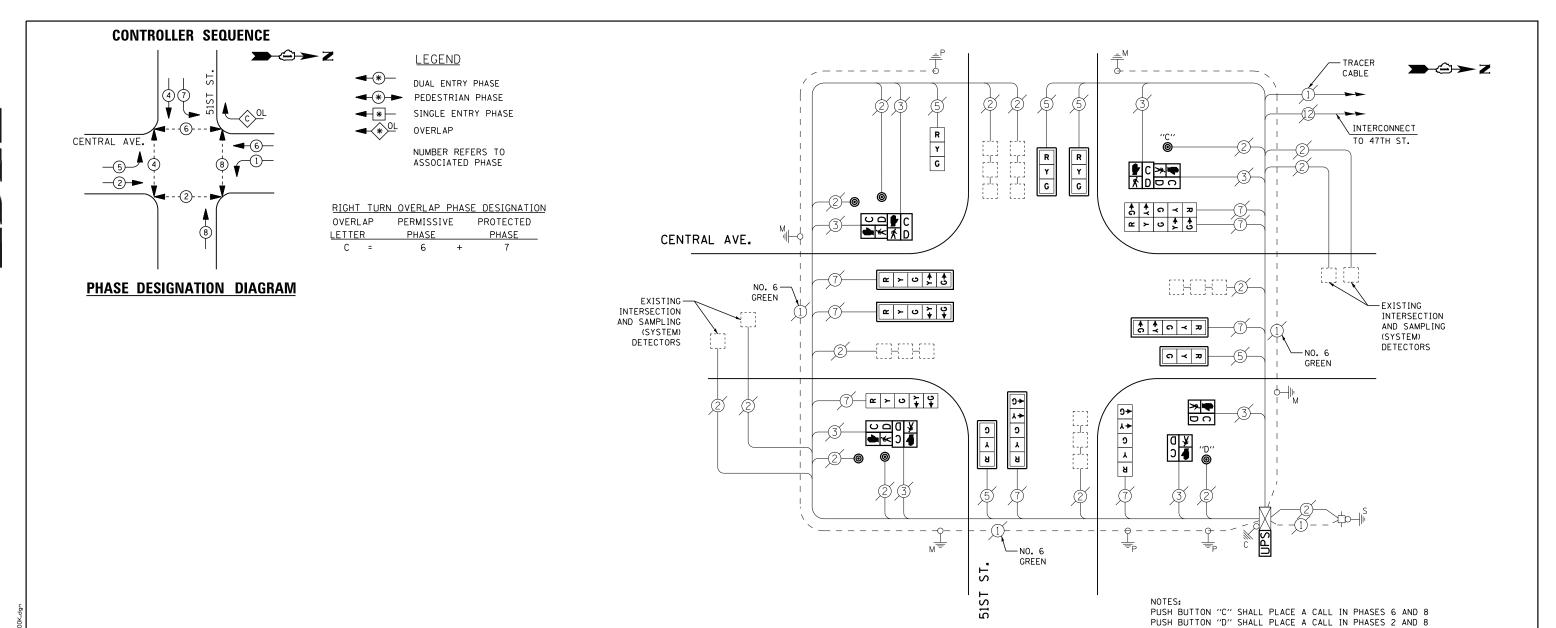
INTERCONNECT TO

MID-BLOCK PED. CROSSING

BETWEEN HARRISON AVE. AND RAYMOND AVE.

DETECTORS

ENERGY COSTS-ENERGY SUPPLY -



CABLE PLAN

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS NO. LAMPS | WATTAGE | 1/2 OPER

ĕ		LLLCTRICAL	·-··-						
) Shee	TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL			
Ę.			INCAND.	LED		WATTAGE			
vDesignCAD	SIGNAL (RED)	13	1 35	1 7	0.50	111			
4	(YELLOW)	13	1 35	25	0.25	82			
H	(GREEN)	13	1 35	15	0.25	49			
Š	ARROW	16	1 35	12	0.10	20			
Š.	PED. SIGNAL	8	90	25	1.00	200			
6	CONTROLLER	1	100	100	1.00	100			
e d	ILLUM. SIGN		252	25	0.05				
ממו ר	VIDEO SYSTEM		150	-	1.00				
4-10									
į									
Ĭ	FLASHER LED								

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

TOTAL =

ENERGY SUPPLY -

CONTACT DONALD RIES
PHONE 773-838-2905

COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UN I T</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
3	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	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT
1	EACH	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED RETROFIT
6	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

UPS SHALL BE INSTALLED ON LEFT SIDE OF CONTROLLER CABINET DUE TO PHYSICAL CONSTRAINT, OR AS DIRECTED BY THE ENGINEER

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

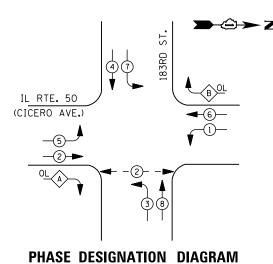
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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 TRAFFIC SIGNAL BACKPLATE 8 EACH PEDESTRIAN SIGNAL HEAD 6 EACH PEDESTRIAN PUSH-BUTTON

> TS #4735 CHICAGO

														0		_
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			OFNI	TDA1 A1	VENUE AND	D 540T	OTREET		F.A.	SECTION	COUNTY	TOTAL SHEETS	SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	CENTRAL AVENUE AND 51ST STREET SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGRAM			11.12.	2014-019TS	соок	90	30				
PLOT SCALE = 20.000 ' / in.	CHECKED -	кмм	REVISED -	DEPARTMENT OF TRANSPORTATION	OUNEDOLL	OF GOARTITIE	LO, OADL	L I LAN, AN	1111	OL DEGIGNATION	N DIAGIIAM			CONTRACT	NO. 6	50Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	S STA	. 1	TO STA.		ILLINOIS			



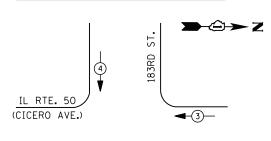
LEGEND

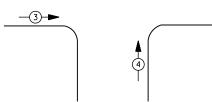
DUAL ENTRY PHASE PEDESTRIAN PHASE

SINGLE ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE

RIGHT TURN	OVERLAP	PHASE	DESIGNATION
OVERLAP	PERMIS:	SIVE	PROTECTED
LETTER	PHASE		PHASE
	_		_





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4				
MOVEMENT	—	†				

TRAFFIC SIGNAL INSTALLATION													
	ELECTRICAL SERVICE REQUIREMENTS												
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL								
		INCAND.	LED		WATTAGE								
SIGNAL (RED)	14	1 35	1 7	0.50	119								
(YELLOW)	14	1 35	25	0.25	88								
(GREEN)	14	1 35	15	0.25	53								
ARROW	24	1 35	12	0.10	29								
PED. SIGNAL	2	90	25	1.00	50								
CONTROLLER	1	100	100	1.00	100								
ILLUM. SIGN		252	25	0.05									
VIDEO SYSTEM		150	-	1.00									
FLASHER LED													
				TOTAL =	439								

I. D. O. T.

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN 708-235-2692

SCHAUMBURG, IL 60196-1096

COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

IL RTE. 50

(CICERO AVE.)

NO. 6-GREEN

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 PUSH-BUTTON

GREEN

D--0-(I-

GREEN

CABLE PLAN

183RD

TS #2585 COUNTRY CLUB HILLS

USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		IL ROUTE 50 (CICERO AVENUE) AT 183RD STREET	F.A.	SECTION	COUNTY	TOTAL SHEET					
	DRAWN -	СС	REVISED -	STATE OF ILLINOIS	SCHE	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE				2014-019TS	соок	90 31		
PLOT SCALE = 20.000 '/ in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EWE	RGENCY VEI	HICLE PI	KEEMPIIO	N SEGUENCE			CONTRAC	T NO. 60Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF S	HEETS	STA.	TO STA.		ILLINOIS		

ARROW

PED. SIGNAL

CONTROLLER

ILLUM. SIGN

VIDEO SYSTEM

FLASHER LED

ENERGY COSTS-

ENERGY SUPPLY -

1 35

90

100

252

150

12

25

100

25

BILLED TO: IDOT DISTRICT 1

CONTACT ILYAS MOHIUDDIN 708-235-2692

0.10

1.00

1.00

0.05

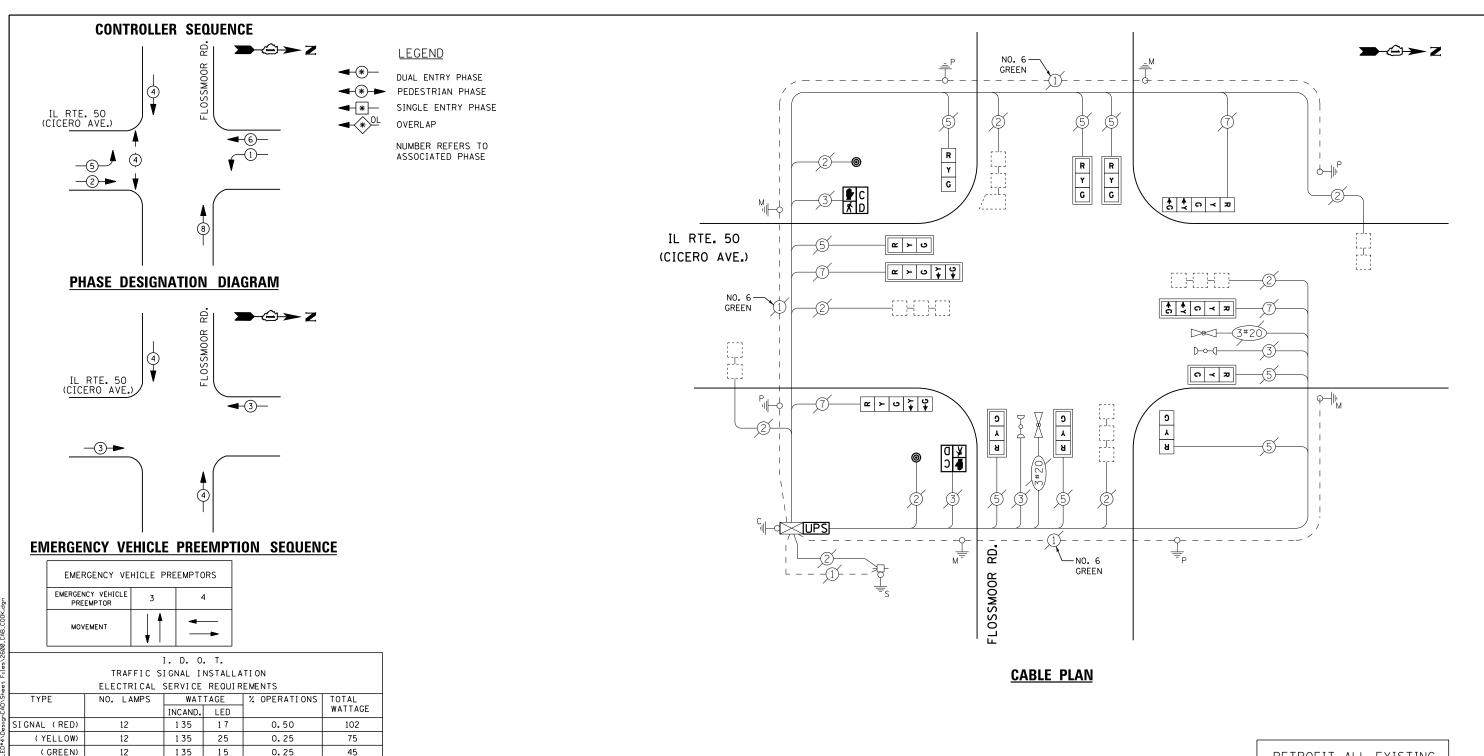
1.00

TOTAL =

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096 10

50

100



RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

SCHEDULE OF QUANTITIES

QUANTITY	<u>UNIT</u>	ITEM
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	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
6	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT

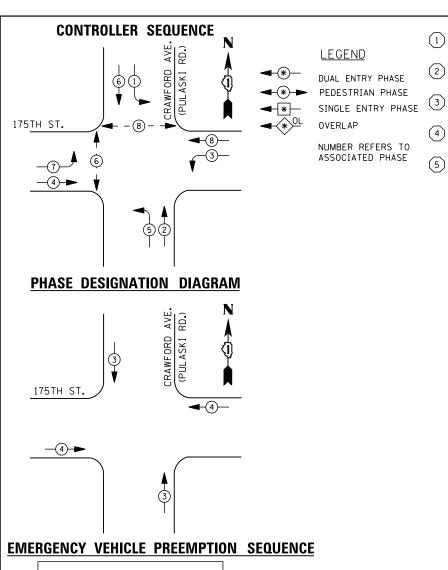
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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 2 EACH PEDESTRIAN PUSH-BUTTON

> TS #2600 COUNTRY CLUB HILLS

COMMONWEALTH EDISON	1											COUN	TRY CLL	B HIL	LLS
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			IL ROUTE	50 (CICEI	RO AVENUI	E) AT FLOS	SMOOR ROAD	F.A. RTE.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM							2014-019TS	соок	90	32
PLOT SCALE = 20.000 '/ in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EMERGENCY VEHICLE PREEMPTION SEQUENCE								CONTRACT NO. 60Y05	
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS	'		
					1 0000000							ILLINOIS			-



EMERGENCY VEHICLE PREEMPTORS									
EMERGENCY VEHICLE PREEMPTOR	3	4							
MOVEMENT	 	—							

	I. D. O. T.												
	TRAFFIC SIGNAL INSTALLATION												
ELECTRICAL SERVICE REQUIREMENTS													
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL								
		INCAND.	LED		WATTAGE								
SIGNAL (RED)	12	1 35	1 7	0.50	102								
(YELLOW)	12	1 35	25	0.25	75								
(GREEN)	12	1 35	15	0.25	45								
ARROW	16	1 35	12	0.10	20								
PED. SIGNAL	4	90	25	1.00	100								
CONTROLLER	1	100	100	1.00	100								
ILLUM. SIGN		252	25	0.05									
VIDEO SYSTEM		150	-	1.00									
FLASHER LED													
				TOTAL =	442								

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

ENERGY SUPPLY -CONTACT ILYAS MOHIUDDIN

708-235-2692 COMMONWEALTH EDISON

SCHAUMBURG, IL 60196-1096

REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

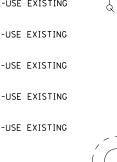
REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 15 FT. PAINTED POST. RE-USE EXISTING

TYPE A CONCRETE FOUNDATION.

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.



GREEN

175TH ST. NO. 6-

-NO. 6

R > G + G

-NO. 6 GREEN

CABLE PLAN

AVE. RD.) CRAWFORD (PULASKI F

INTERCONNECT TO 178TH PL.

(a)\{\pi}

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

GREEN

SCHEDULE OF QUANTITIES

<u>UNIT</u> EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH EACH EACH RELOCATE EXISTING SIGNAL HEAD MODIFY EXISTING CONTROLLER CABINET REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVE AND REPLACE ANCHOR BOLTS EACH FACE FACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL EACH PEDESTRIAN PUSH-BUTTON, NON-LATCHING FACH

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.

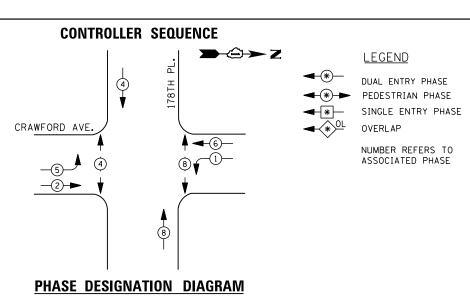
PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON EACH

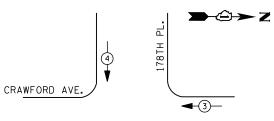
TRACER CABLE

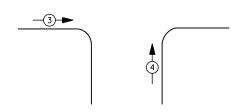
EACH SIGNAL POST

> TS #4905 COUNTRY CLUB HILLS

USER NAME = _USERNAME_ DESIGNED REVISED DW COUNTY CRAWFORD AVENUE AT 175TH STREET SECTION STATE OF ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE DRAWN CC REVISED 90 33 2014-019TS соок PLOT SCALE = 20.000 ' / in. CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60Y05 SCALE: N.T.S. SHEET NO. OF SHEETS STA. REVISED PLOT DATE = 5/13/2014 DATE







EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4				
MOVEMENT	+	↓ †				

	TRAFFIC S	I GNAL I	NSTALLA	TION	
	ELECTRICAL	SERVI CE	REQUIR	EMENTS	
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL
		INCAND.	LED		WATTAGE
SIGNAL (RED)	12	1 35	1 7	0.50	102
(YELLOW)	12	1 35	25	0.25	75
(GREEN)	12	1 35	15	0.25	45
ARROW	8	1 35	12	0.10	10
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	
VIDEO SYSTEM		150	-	1.00	
FLASHER LED					
				TOTAL =	432

I. D. O. T.

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN 708-235-2692

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<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
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

CRAWFORD AVE.

TRACER CABLE

INTERCONNECT TO 183RD ST.

GREEN

CABLE PLAN

178ТН

NO. 6

GREEN

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.

PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

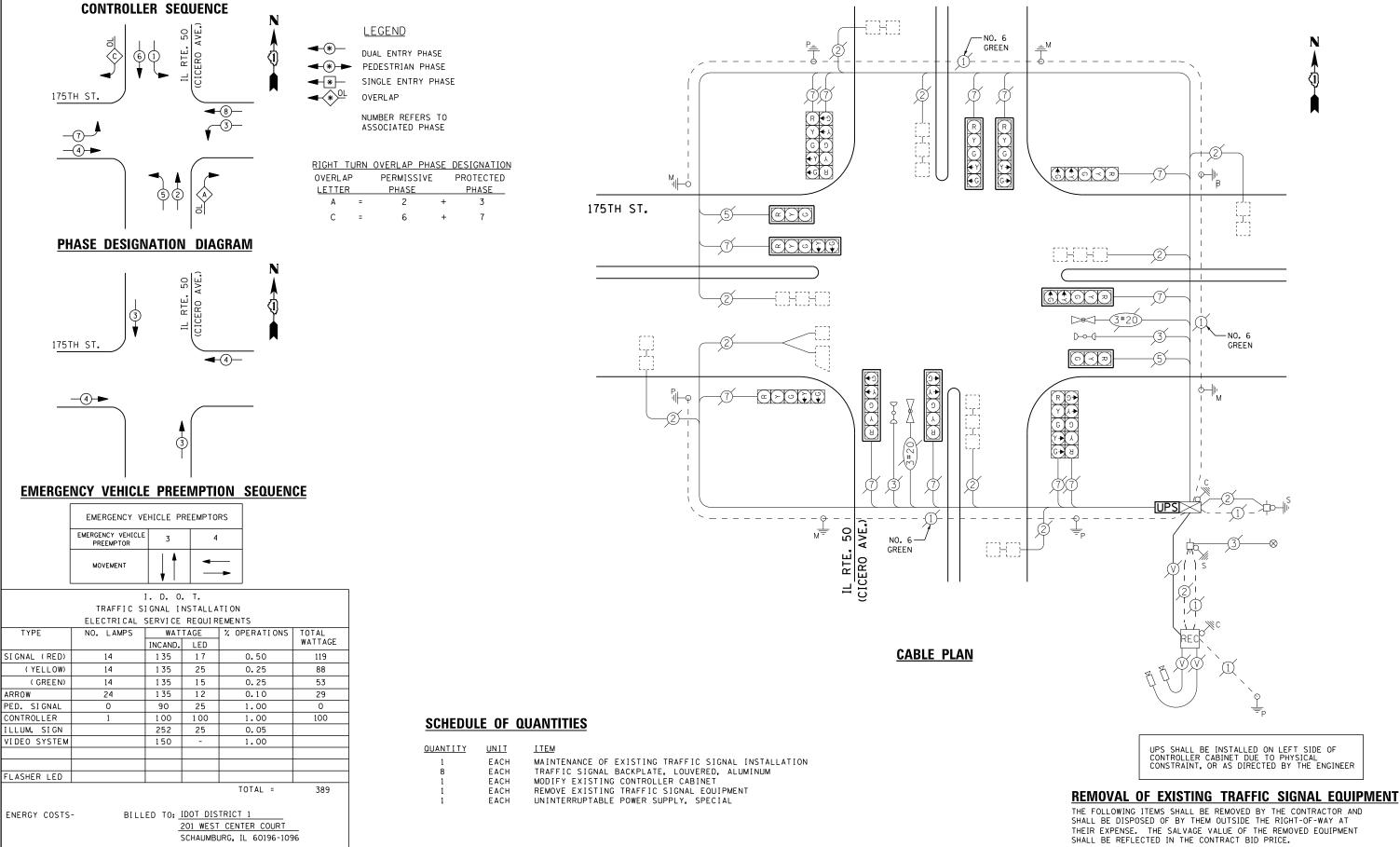
> TS #4907 COUNTRY CLUB HILLS

-TRACER CABLE

INTERCONNECT TO 175TH ST.

→②→ Z

COMMONWEALTH EDI.	<u> </u>											COUN	INI CLU	D UILLO
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		CRAWF	ORD AVENUE (P	ULASKI	ROAD) AT	178TH PLA	ACE (CAMBRIDGE DRIVE)	F.A.	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PH									90 34
PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EMERGENCY VEHICLE PREEMPTION SEQUENCE							CONTRAC	T NO. 60Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -]	SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS		



ENERGY SUPPLY -

SCHAUMBURG, IL 60196-1096

DESIGNED

CHECKED

DRAWN

DATE

DW

CC

REVISED

REVISED

REVISED

REVISED

COMMONWEALTH EDISON

CONTACT ILYAS MOHIUDDIN

USER NAME = _USERNAME_

PLOT DATE = 5/13/2014

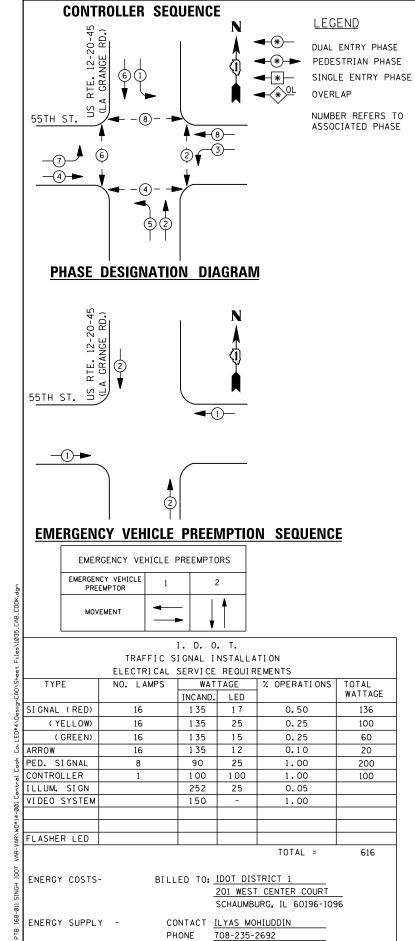
708-235-2692

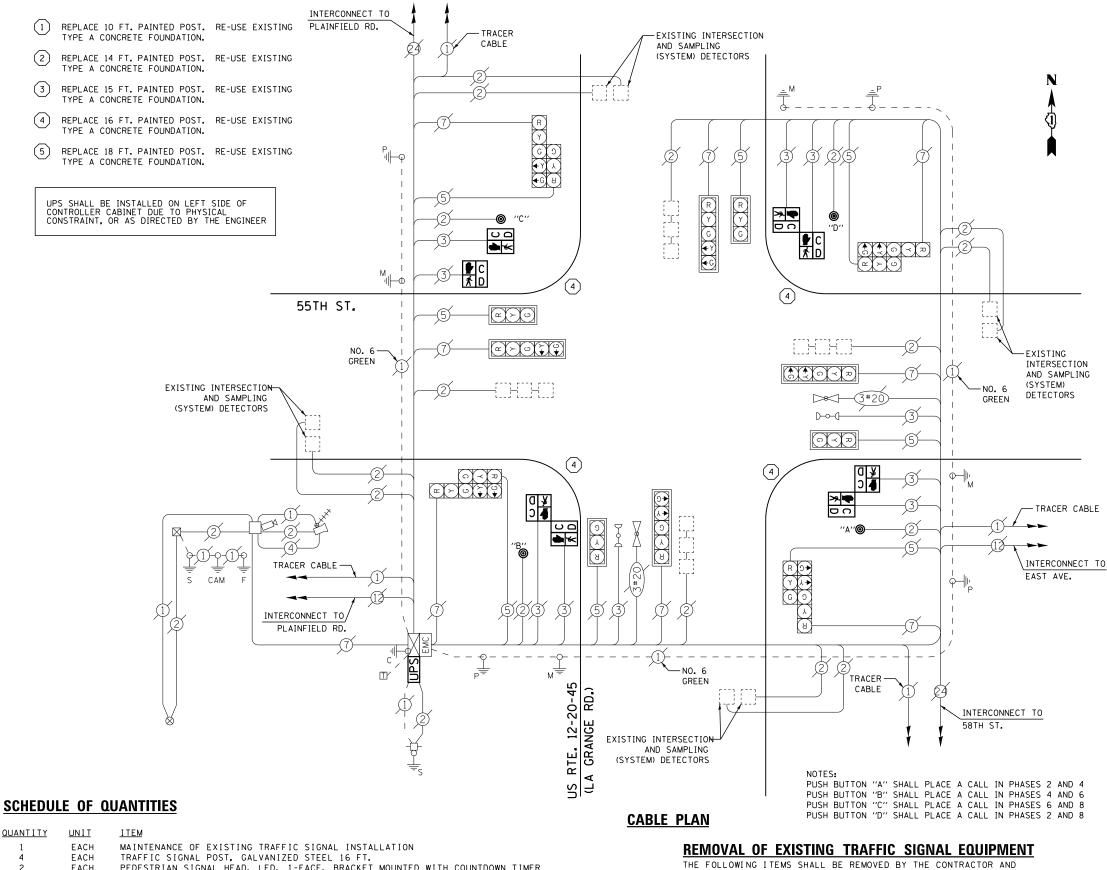
TS #11720 COUNTRY CLUB HILLS

TRAFFIC SIGNAL BACKPLATE

COUNTY TOTAL SHEET NO. COOK 90 35 COUNTY IL ROUTE 50 (CICERO AVENUE) AT 175TH STREET SECTION STATE OF ILLINOIS SCHEDULE OF QUANTITIES CABLE PLAN PHASE DESIGNATION DIAGRAM 2014-019TS AND EMERGENCY VEHICLE PREEMPTION SEQUENCE **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60Y05 SCALE: N.T.S. SHEET NO. OF SHEETS STA.

8 EACH





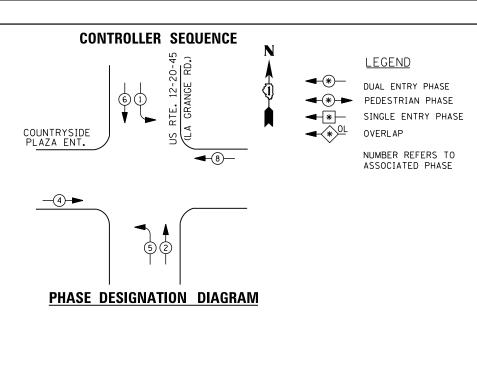
QUANTITY MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
RELOCATE EXISTING SIGNAL HEAD
MODIFY EXISTING CONTROLLER CABINET **FACH** FACH FACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH FACH REMOVE AND REPLACE ANCHOR BOLTS EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL PEDESTRIAN PUSH-BUTTON, NON-LATCHING EACH

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
- EACH PUSH-BUTTON
- EACH SIGNAL POST

TS #1035

COMMONWEALTH EDISON														COUN	TRYSIL)E
	USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US ROUTE 12-20-45 (LA GRANGE ROAD) AT 55TH STREET					F.A. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.	
		DRAWN -	СС	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM					2014-019TS	соок	90	36		
	PLOT SCALE = 20.000 ' / in.	CHECKED -	KMM	REVISED -		AND EMERGENCY VEHICLE PREEMPTION SEQUENCE								CT NO. 6	60Y05	
	PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS	1		



REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. REPLACE 14 FT. PAINTED POST. RE-USE EXISTING

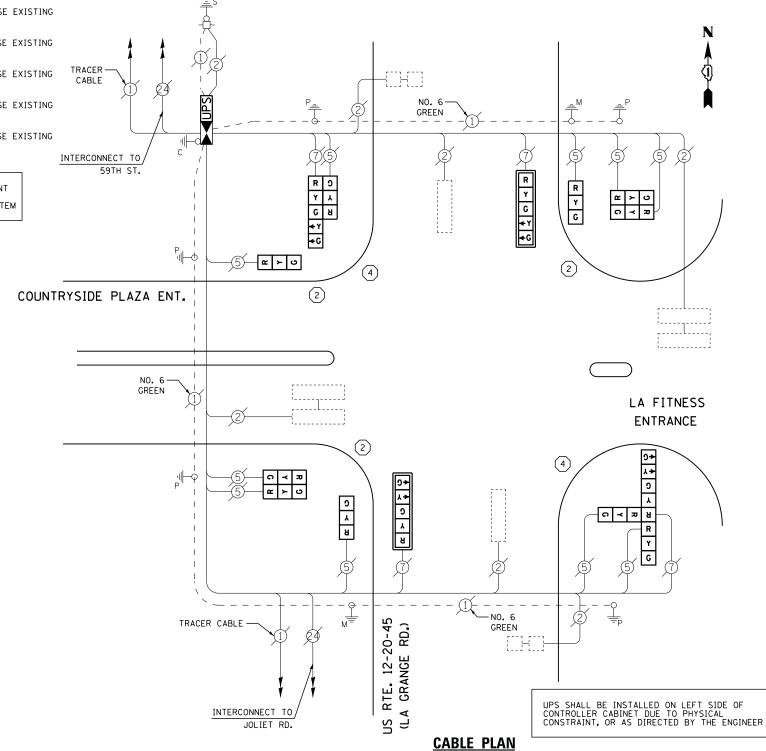
REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

TYPE A CONCRETE FOUNDATION.

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

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



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

۳.							
NShe	TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL	
CHI			INCAND.	LED		WATTAGE	
VDesign C	SIGNAL (RED)	14	1 35	1 7	0.50	119	
7	(YELLOW)	14	1 35	25	0.25	88	
LED	(GREEN)	14	1 35	15	0.25	53	
ġ	ARROW	8	1 35	12	0.10	10	
ő	PED. SIGNAL	0	90	25	1.00	0	
9	CONTROLLER	1	100	100	1.00	100	
Ę,	ILLUM. SIGN		252	25	0.05		
001	VIDEO SYSTEM		150	-	1.00		
4-6		_					
5	l						

ENERGY COSTS-

FLASHER LED

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

ENERGY SUPPLY -CONTACT ILYAS MOHIUDDIN

708-235-2692 COMMONWEALTH EDISON

SCHAUMBURG, IL 60196-1096

TOTAL =

370

SCHEDULE OF QUANTITIES

REVISED

REVISED

REVISED

REVISED

<u>QUANTITY</u>	<u>UNIT</u>	<u>I TEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRANSCEIVER - FIBER OPTIC
3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
3	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, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION BRACKET MOUNTED
2	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
6	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
3	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE 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.

SIGNAL HEAD, 3 - SECTION FACH EACH

SIGNAL HEAD, 5 - SECTION SIGNAL HEAD, 2 - FACE, 3 SECTION EACH

SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION SIGNAL HEAD, 3 - FACE, 2-3 SECTION, 1-5 SECTION EACH EACH

TRAFFIC SIGNAL BACKPLATE FΔCH

EACH SIGNAL POST

CONTROLLER AND CABINET (COMPLETE) TS #1055 EACH

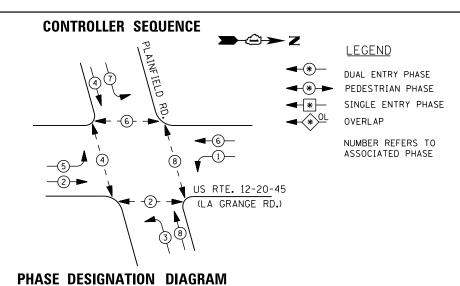
COUNTRYSIDE COUNTY

USER NAME = _USERNAME_ DESIGNED DW DRAWN CC CHECKED PLOT DATE = 5/13/2014 DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

COUNTY TOTAL SHEET NO.

COOK 90 37 SECTION US ROUTE 12-20-45 (LA GRANGE ROAD) AT COUNTRYSIDE PLAZA SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM 2014-019TS CONTRACT NO. 60Y05 SCALE: N.T.S. SHEET NO. OF SHEETS STA.



I. D. O. T.								
TRAFFIC SIGNAL INSTALLATION								
	ELECTRICAL	SERVI CE	REQUIR	EMENTS				
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL			
		INCAND.	LED		WATTAGE			
SIGNAL (RED)	16	1 35	1 7	0.50	136			
(YELLOW)	16	1 35	25	0.25	100			
(GREEN)	16	1 35	15	0.25	60			
ARROW	16	1 35	12	0.10	20			
PED. SIGNAL	8	90	25	1.00	200			
CONTROLLER	1	1 00	100	1.00	100			
ILLUM. SIGN		252	25	0.05				
VIDEO SYSTEM		150	ı	1.00				
FLASHER LED								
				TOTAL =	616			

BILLED TO: IDOT DISTRICT 1

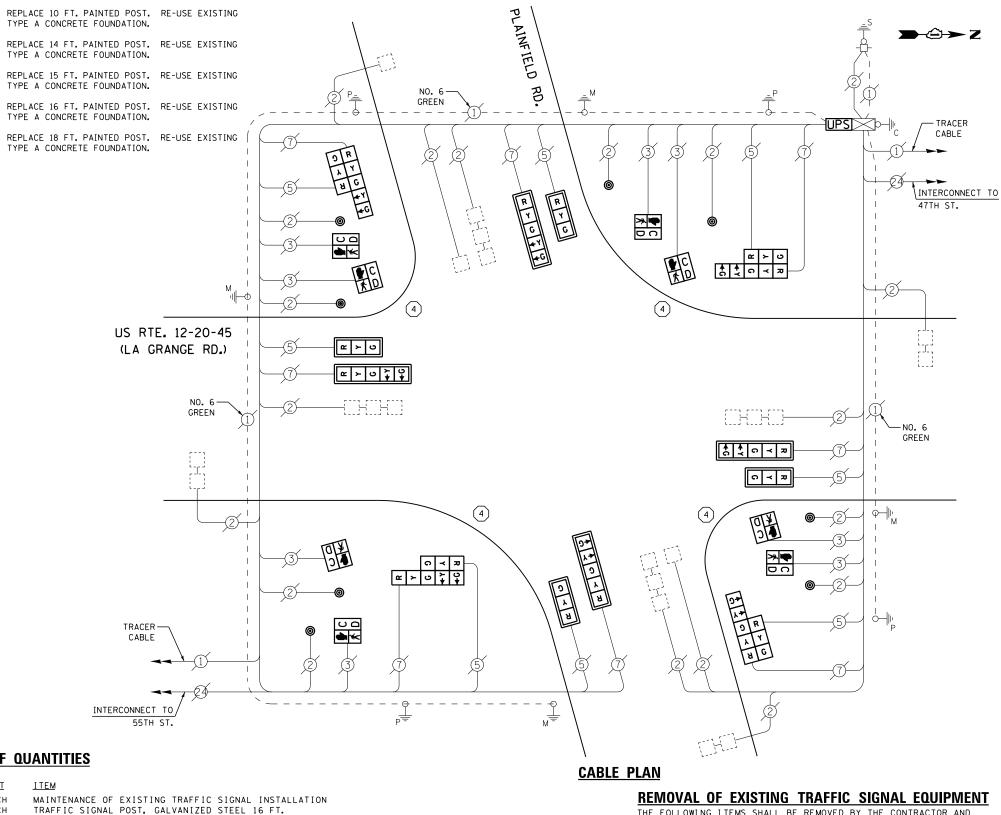
CONTACT ILYAS MOHIUDDIN

708-235-2692

201 WEST CENTER COURT

COMMONWEALTH EDISON

SCHAUMBURG, IL 60196-1096



SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET 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
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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 RICHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4	EACH	SIGNAL	HEAD,	3	-	SECTI ON
4	EACH	SIGNAL	HEAD.	5	-	SECTION

SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION EACH

TRAFFIC SIGNAL BACKPLATE EACH

EACH SIGNAL POST

PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON EACH EACH

TS #1065 COUNTRYSIDE COUNTY

USER NAME = _USERNAME_ DESIGNED REVISED DW DRAWN CC REVISED CHECKED REVISED PLOT DATE = 5/13/2014 DATE REVISED

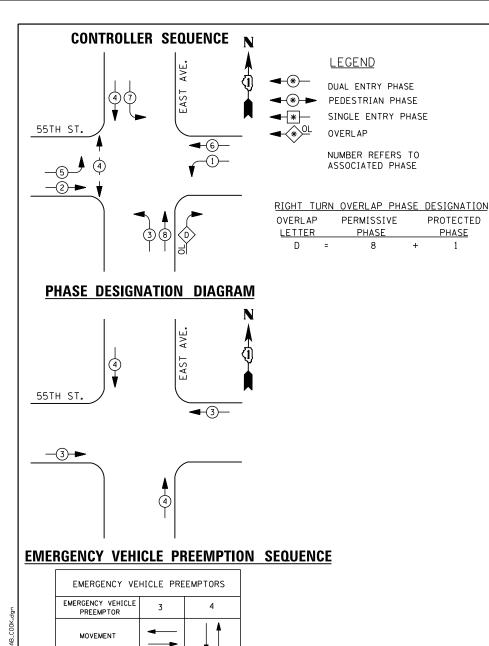
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

COUNTY TOTAL SHEET NO.

COOK 90 38 SECTION US ROUTE 12-20-45 (LA GRANGE ROAD) AT PLAINFIELD ROAD SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM 2014-019TS CONTRACT NO. 60Y05 SCALE: N.T.S. SHEET NO. OF SHEETS STA.

ENERGY COSTS-

ENERGY SUPPLY -



		_ <u> </u>						
I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS								
TYPE	NO. LAMPS	WATTAGE INCAND. LED		% OPERATIONS	TOTAL WATTAGE			
GNAL (RED)	16	INCAND.	17	0.50	136			
(YELLOW)	16	1 35	25	0.25	100			
(GREEN)	16	1 35	15	0.25	60			
ROW	20	1 35	12	0.10	24			
. SIGNAL	2	90	25	1.00	50			

ARR PED. CONTROLLER 100 100 1.00 100 ILLUM. SIGN 252 25 0.05 VIDEO SYSTEM 1.00 150 FLASHER LED TOTAL = 470

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -CONTACT ILYAS MOHIUDDIN 708-235-2692

COMMONWEALTH EDISON

REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

4 55TH ST. **∞** ≻ ∪

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GREEN

CABLE PLAN

EACH

Y G Y+ G+ **♦** ♦ ० ≺ ≈ GREEN D-0-(1-େ **≺** ଅ INTERCONNECT TO SERGO DR.

SCHEDULE OF QUANTITIES

QUANTITY <u>UNIT</u> EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM EACH PEDESTRIAN PUSH-BUTTON MODIFY EXISTING CONTROLLER CABINET FACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH REMOVE AND REPLACE ANCHOR BOLTS FΔCH EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

TRACER CABLE

INTERCONNECT TO

US 12-20-45

(LAGRANGE RD.)

UPS SHALL BE INSTALLED ON LEFT SIDE OF CONTROLLER CABINET DUE TO PHYSICAL CONSTRAINT, OR AS DIRECTED BY THE ENGINEER

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.

SIGNAL HEAD, 3 - SECTION EACH SIGNAL HEAD. 5 - SECTION

EACH SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION

SIGNAL HEAD, 2 - FACE, 2-5 SECTION EACH

TRAFFIC SIGNAL BACKPLATE FACH

FACH PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON FACH SIGNAL POST

TS #3845

USER NAME = _USERNAME_ DESIGNED REVISED DW DRAWN CC REVISED CHECKED КММ REVISED PLOT DATE = 5/13/2014 DATE REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

NO. 6-

GREEN

55TH STREET AT EAST AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE SCALE: N.T.S. SHEET NO. OF SHEETS STA.

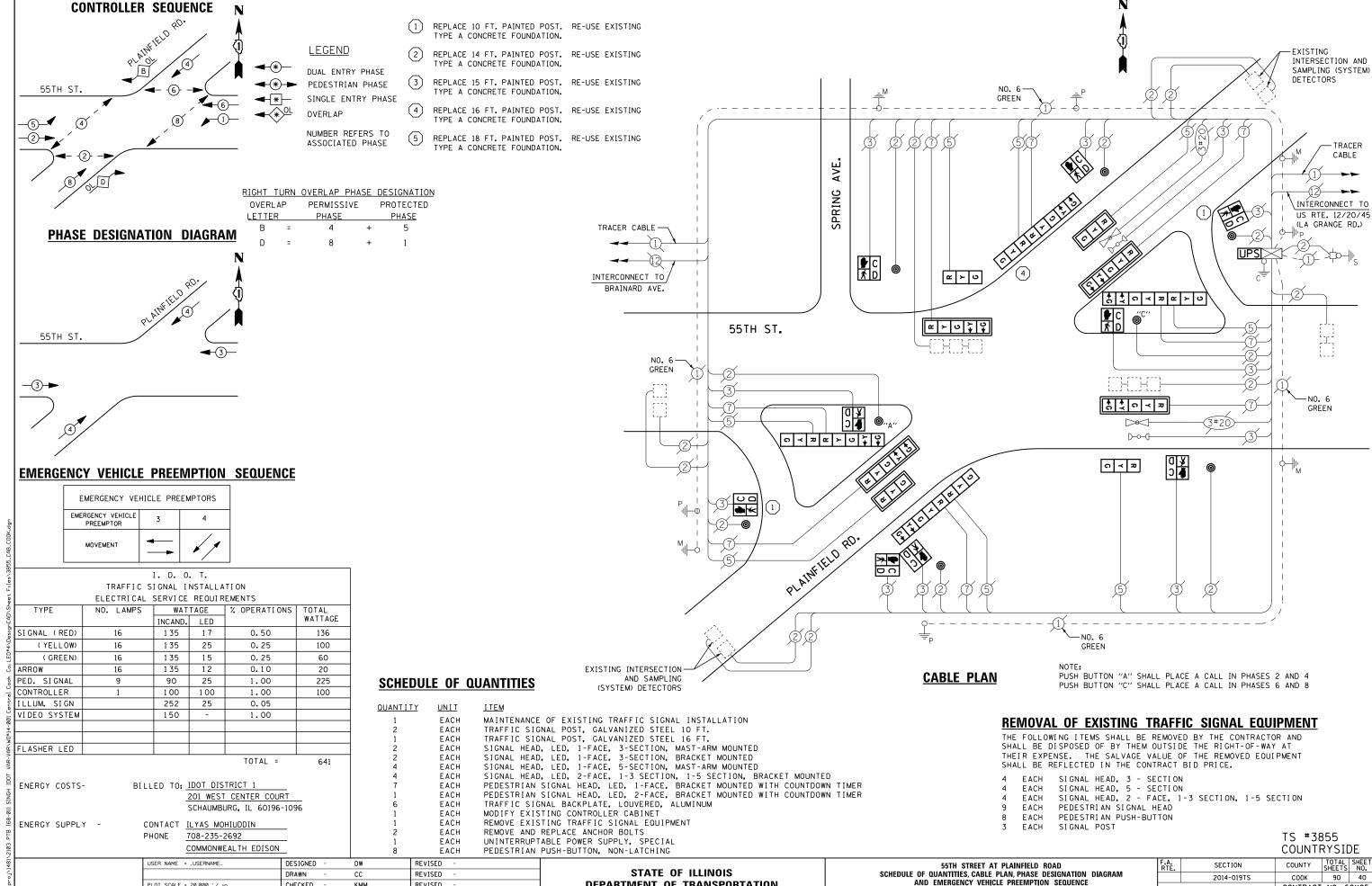
COUNTRYSIDE COUNTY COOK 90 39

TRACER CABLE

2014-019TS

SECTION

CONTRACT NO. 60Y05



DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.

SHEET NO. OF SHEETS STA.

CONTRACT NO. 60Y05

CHECKED

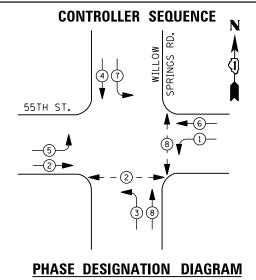
DATE

PLOT DATE = 5/13/2014

КММ

REVISED

REVISED

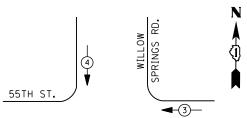


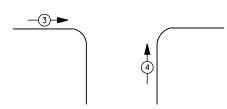
DUAL ENTRY PHASE

PEDESTRIAN PHASE SINGLE ENTRY PHASE

OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	† †	

TRAFFIC SIGNAL INSTALLATION							
ELECTRICAL SERVICE REQUIREMENTS							
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL		
		INCAND.	LED		WATTAGE		
SIGNAL (RED)	12	1 35	17	0.50	102		
(YELLOW)	12	1 35	25	0.25	75		
(GREEN)	12	1 35	15	0.25	45		
ARROW	16	1 35	12	0.10	20		
PED. SIGNAL	4	90	25	1.00	100		
CONTROLLER	1	100	100	1.00	100		
ILLUM. SIGN		252	25	0.05			
VIDEO SYSTEM		150	-	1.00			
FLASHER LED							
				TOTAL =	442		

I. D. O. T.

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN PHONE 708-235-2692

SCHEDULE OF QUANTITIES

<u>YT I TNAUC</u>	<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
1	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT
3	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

55TH ST.

TRACER CABLE

INTERCONNECT TO LAUREL AVE.

NO. 6 -GREEN

CABLE PLAN

GREEN

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R V

B.

SPRINGS

WILLOW

Y G

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R Y G ←Y ←G

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REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

RETROFIT ALL EXISTING

SIGNAL HEADS TO L.E.D.

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 3 EACH PEDESTRIAN PUSH-BUTTON

TS #3860

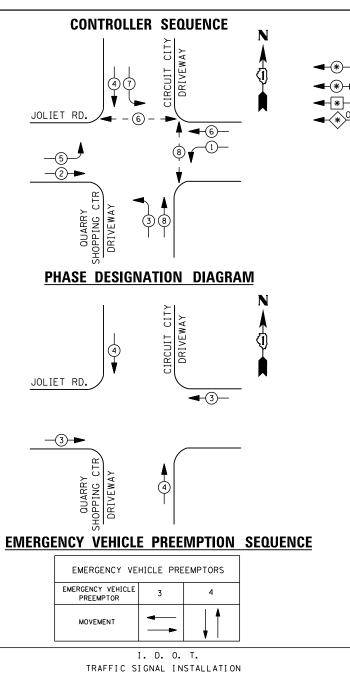
INTERCONNECT TO

BRAINARD AVE.

TRACER CABLE

GREEN

COMMONWEALTH EDISON	_												COUNTRYSIDE
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			55TH	STREET	AT WILLO	W SPRING	GS ROAD	F.A.	SECTION	COUNTY TOTAL SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM			2014-019TS	COOK 90 41			
PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE				CONTRACT NO. 60Y05				
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS	



		-	▼		
		I. D. O	. т.		
	TRAFFIC S	I GNAL I	NSTALLA	TION	
	ELECTRICAL	SERVI CE	REQUIR	EMENTS	
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL
		INCAND.	LED		WATTAGE
SIGNAL (RED)	12	1 35	1 7	0.50	102
(YELLOW)	12	1 35	25	0.25	75
(GREEN)	12	1 35	15	0.25	45
ARROW	16	1 35	12	0.10	20

25

100

ILLUM. SIGN 252 25 0.05 VIDEO SYSTEM 1.00 150 FLASHER LED TOTAL = 442

90

100

ENERGY COSTS-

PED. SIGNAL

CONTROLLER

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

1.00

1.00

100

100

ENERGY SUPPLY -PHONE 708-235-2692

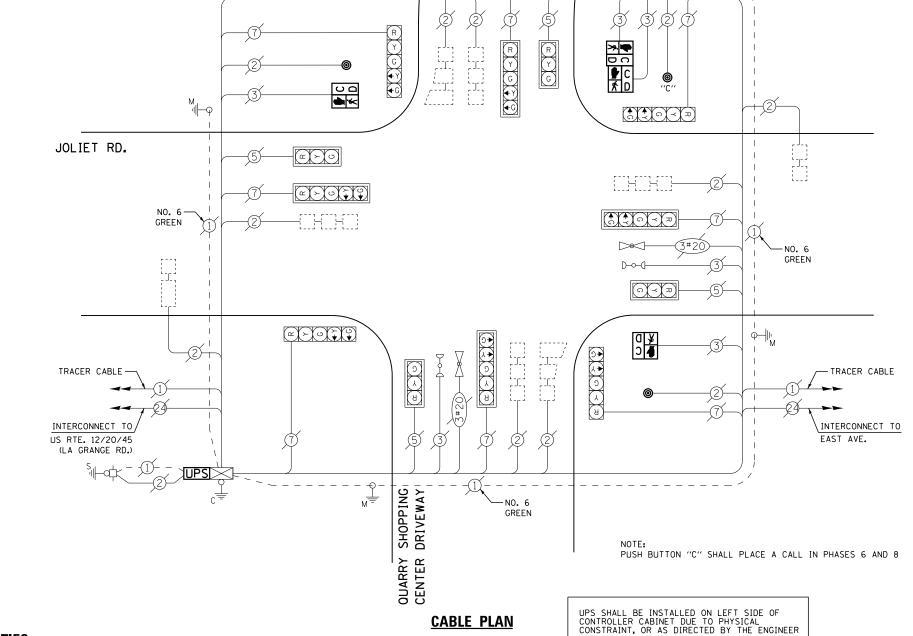
CONTACT ILYAS MOHIUDDIN

LEGEND

DUAL ENTRY PHASE PEDESTRIAN PHASE

SINGLE ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE



CIRCUIT CITY DRIVEWAY

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>I TEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
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
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
3	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

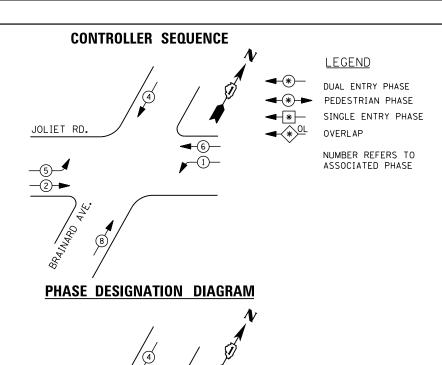
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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.

- 4 EACH PEDESTRIAN SIGNAL HEAD
- 3 EACH PEDESTRIAN PUSH-BUTTON

TS #5067

COMMONWEALTH EDISON	<u>N</u>											COUNT	RYSIDE	-
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		JOLI	ET ROAD AT CIRCU	UIT CITY EI	NTRANCE	/QUARRY SHOPPING CENTER	F.A. RTF.	SECTION	COUNTY	TOTAL S	HEET NO.
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM						2014-019TS	соок	90	42
PLOT SCALE = 20.000 '/ in.	CHECKED -	KMM	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EMERGE	ENCY VEHIC	CLE PREEN	MPTION SEQUENCE			CONTRAC	T NO. 60	r05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF SHE	EETS ST	TA. TO STA.		ILLINOIS			



EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS							
EMERGENCY VEHICLE PREEMPTOR	3	4					
MOVEMENT	←	1					

JOLIET RD.

	TRAFFIC SIGNAL INSTALLATION								
	ELECTRI CAL	SERVI CE	REQUIF	REMENTS					
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL				
		INCAND.	LED		WATTAGE				
SIGNAL (RED)	14	1 35	1 7	0.50	119				
(YELLOW)	14	1 35	25	0.25	88				
(GREEN)	14	1 35	15	0.25	53				
ARROW	8	1 35	12	0.10	10				
PED. SIGNAL	0	90	25	1.00	0				
CONTROLLER	1	100	100	1.00	100				
ILLUM. SIGN		252	25	0.05					
VIDEO SYSTEM		150	-	1.00					
FLASHER LED									
				TOTAL =	370				

BILLED TO: IDOT DISTRICT 1

CONTACT ILYAS MOHIUDDIN 708-235-2692

201 WEST CENTER COURT

COMMONWEALTH EDISON

SCHAUMBURG, IL 60196-1096

I. D. O. T.

1 REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. INTERCONNECT TO NO. 6-REPLACE 16 FT. PAINTED POST. RE-USE EXISTING US RTE. 12/20/45 (LA GRANGE RD.) GREEN TYPE A CONCRETE FOUNDATION. REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. TRACER CABLE A A A A A A A **∞** ≻ ∪ Y JOLIET RD. **~** ≻ ∪ ` ↓ ↓ **↑** ↑ ○ ≺ ¬ -NO. 6 GREEN 3#20 D----(1-**○ ≺ ≈ ≈ ≻ ○ ♀ ♀** େ ≺ ফ - TRACER CABLE INTERCONNECT TO WILLOW SPRINGS RD. GREEN CONTRACTOR SHALL RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT TO A NEW SIGNAL POST. THE COST OF THIS WORK SHALL BE INCLUDED IN THE TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT. PAY ITEM. **CABLE PLAN**

SCHEDULE OF QUANTITIES

QUANTITY	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
3	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, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 3-FACE, 2-3 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
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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.

SIGNAL HEAD, 3 - SECTION

EACH SIGNAL HEAD, 5 - SECTION

SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION EACH SIGNAL HEAD, 2 - FACE, 3 SECTION

SIGNAL HEAD, 3 - FACE, 2-3 SECTION, 1-5 SECTION TRAFFIC SIGNAL BACKPLATE

EACH SIGNAL POST

> TS #5355 COUNTRYSIDE

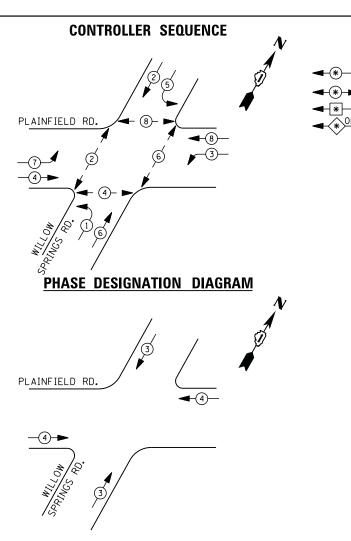
USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED -
	DRAWN	-	CC	REVISED -
PLOT SCALE = 20.000 '/ in.	CHECKED	-	KMM	REVISED -
PLOT DATE = 5/13/2014	DATE	-		REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

									COUNT	11011	,_
				AD AT BRA			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SCHED	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE						2014-019TS	СООК	90	43
			NUCINUT	VERIOLE P	NEEIVIP I IVI	N SEQUENCE			CONTRACT	NO. 6	0Y05
ı	SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS			

ENERGY COSTS-

ENERGY SUPPLY -



EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4		
MOVEMENT	//	—		

	TRAFFIC SIGNAL INSTALLATION								
	ELECTRICAL	SERVI CE	REQUIR	EMENTS					
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL				
		INCAND.	LED		WATTAGE				
SIGNAL (RED)	8	1 35	17	0.50	68				
(YELLOW)	8	1 35	25	0.25	50				
(GREEN)	8	1 35	15	0.25	30				
ARROW	16	1 35	12	0.10	20				
PED. SIGNAL	8	90	25	1.00	200				
CONTROLLER	1	1 00	100	1.00	100				
ILLUM. SIGN		252	25	0.05					
VIDEO SYSTEM		150	-	1.00					
FLASHER LED									
				TOTAL =	468				

I. D. O. T.

BILLED TO: IDOT DISTRICT 1 ENERGY COSTS-201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096 ENERGY SUPPLY -

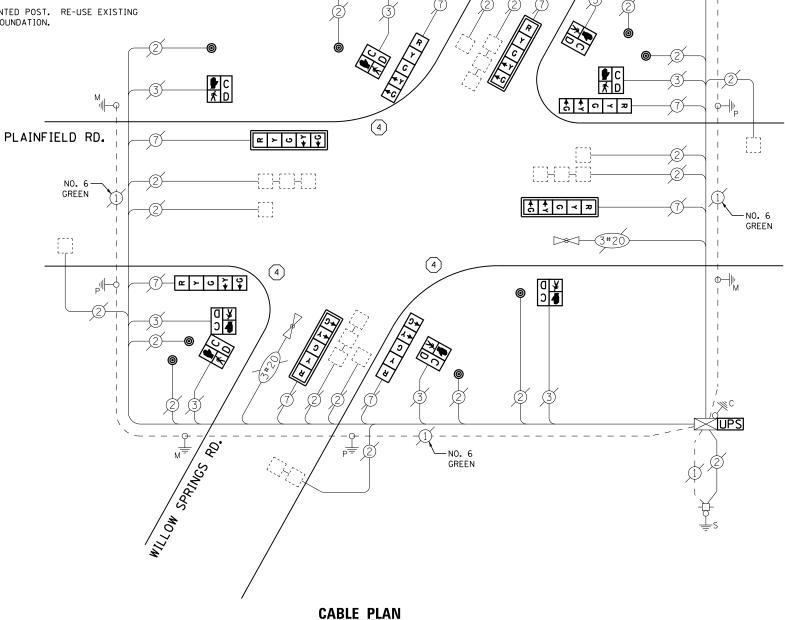
CONTACT ILYAS MOHIUDDIN 708-235-2692 COMMONWEALTH EDISON 1 REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.



SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM 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
4	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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.

SIGNAL HEAD, 5 - SECTION TRAFFIC SIGNAL BACKPLATE

EACH PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

EACH SIGNAL POST

> TS #5935 COUNTRYSIDE

USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED -	
	DRAWN	-	CC	REVISED -	STATE
PLOT SCALE = 20.000 '/ in.	CHECKED	-	KMM	REVISED -	DEPARTMENT O
PLOT DATE = 5/13/2014	DATE	-		REVISED -	

LEGEND

DUAL ENTRY PHASE PEDESTRIAN PHASE

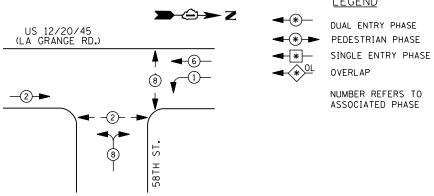
SINGLE ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE

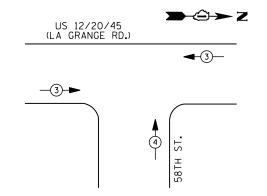
> OF ILLINOIS **OF TRANSPORTATION**

								COUNT	111311	^ノ ー
			S ROAD A		FIELD ROAD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	
SCHEL					DESIGNATION DIAGRAM		2014-019TS	СООК	90	44
	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE						CONTRACT	T NO. 6	50Y05	
SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS			

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	+	†

	I. D. O	. т.									
TRAFFIC S	I GNAL I	NSTALLA	TION								
ELECTRICAL	SERVI CE	REQUIR	EMENTS								
NO. LAMPS WATTAGE % OPERATIONS TOT											
		WATTAGE									
9	1 35	1 7	0.50	77							
9	1 35	25	0.25	57							
9	1 35	15	0.25	34							
4	1 35	12	0.10	5							
4	90	25	1.00	100							
1	100	100	1.00	100							
	252	25	0.05								
	150	-	1.00								
			TOTAL =	373							
	TRAFFIC S ELECTRICAL NO. LAMPS 9 9 9 4 4	TRAFFIC SIGNAL I ELECTRICAL SERVICE NO. LAMPS WAT INCAND. 9 135 9 135 9 135 4 135 4 135 4 90 1 100 252	ELECTRICAL SERVICE REQUIR NO. LAMPS WATTAGE INCAND. LED 9 135 17 9 135 25 9 135 15 4 135 12 4 90 25 1 100 100 252 25	TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS NO. LAMPS WATTAGE INCAND. LED 9 135 17 0.50 9 135 25 0.25 9 135 15 0.25 4 135 12 0.10 4 90 25 1.00 1 100 100 1.00 252 25 0.05 150 - 1.00							

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN PHONE 708-235-2692

LEGEND

TS #22215

→②→ Z

-TRACER CABLE

TRACER CABLE -\INTERCONNECT TO 55TH ST. US 12/20/45 (LA GRANGE RD.) -NO. 6 GREEN **≯** • C O O FIRE STATION PREEMPTION ₩NO. 6 GREEN ST. 58ТН PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 8 **CABLE PLAN**

NO. 6 — GREEN

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRANSCEIVER - FIBER OPTIC
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
4	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
3	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

INTERCONNECT TO

COUNTRYSIDE PLAZA

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

CONTRACTOR SHALL RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT TO NEW CONTROLLER CABINET. THE COST OF THIS WORK SHALL BE INCLUDED IN THE FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL PAY ITEM.

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

3 EACH PEDESTRIAN PUSH-BUTTON 1 EACH CONTROLLER AND CABINET (COMPLETE)

COMMONWEALTH EDISON	<u> </u>											COUNTI	RYSIDE	
SER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		US ROU	TE 12-20-45	(LA GF	RANGE F	ROAD) AT 58TH STREET	F.A.	SECTION	COUNTY	TOTAL SHE	ĒΤ
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS					IASE DESIGNATION DIAGRAM	1112	2014-019TS	соок	90 4	<u>-</u>
LOT SCALE = 20.000 '/ in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	AND	EMERGENC	Y VEHICL	LE PREEI	MPTION SEQUENCE				T NO. 60YO	5
LOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S. SHEET	NO. OF	SHEE	TS S1	TA. TO STA.		ILLINOIS			

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

1 35

1 35

1 35

1 35

90

100

252

150

12

12

12

0

SIGNAL (RED)

PED. SIGNAL

CONTROLLER

ILLUM. SIGN

VIDEO SYSTEM

FLASHER LED

ENERGY COSTS-

ENERGY SUPPLY -

ARROW

(YELLOW)

(GREEN)

INCAND. LED

17

25

15

12

25

100

25

BILLED TO: IDOT DISTRICT 1

CONTACT JOE STACHO

630-424-5704

PHONE

WATTAGE % OPERATIONS TOTAL

0.50

0.25

0.25

0.10

1.00

1.00

0.05

1.00

TOTAL =

201 WEST CENTER COURT

SCHAUMBURG, IL 60196-1096

WATTAGE

102

75

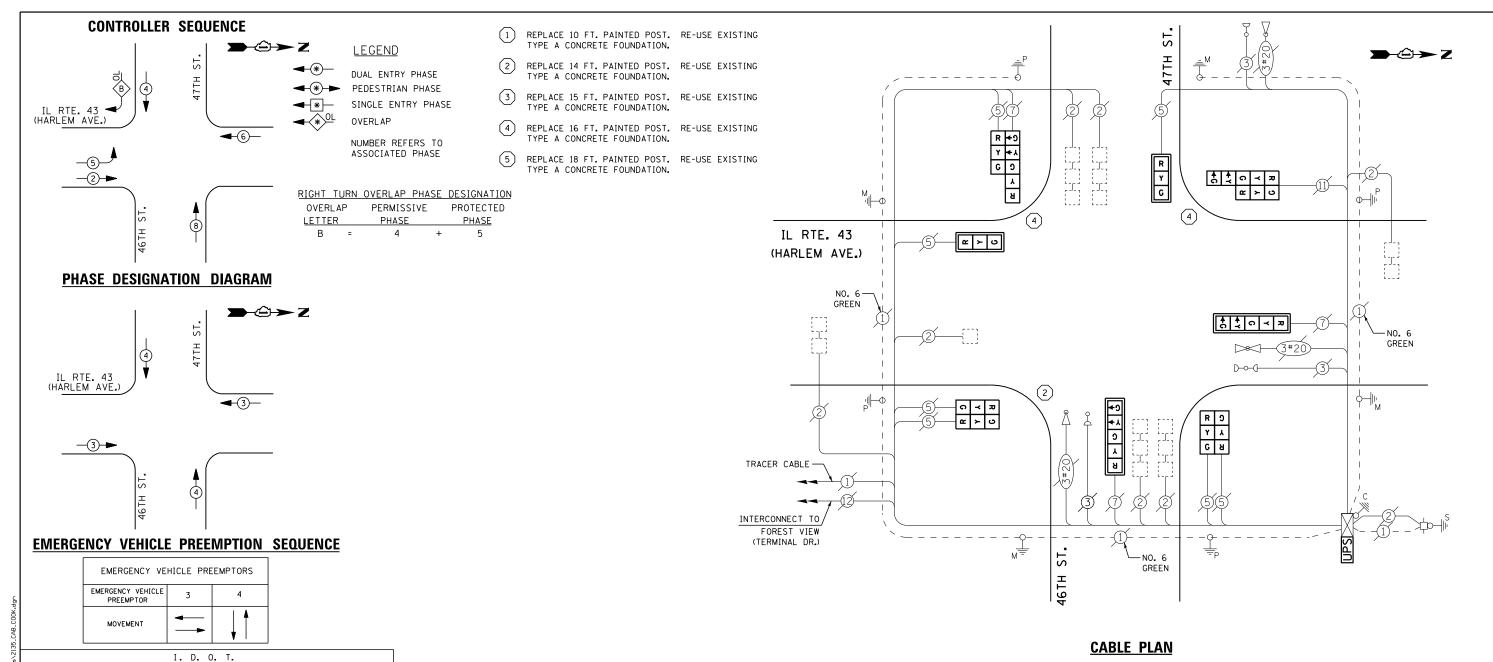
45

10

0

100

332



SCHEDULE OF QUANTITIES

QUANTITY	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
2	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
4	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

UPS SHALL BE INSTALLED ON LEFT SIDE OF CONTROLLER CABINET DUE TO PHYSICAL CONSTRAINT, OR AS DIRECTED BY THE ENGINEER

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 SIGNAL HEAD, 3 - SECTION EACH

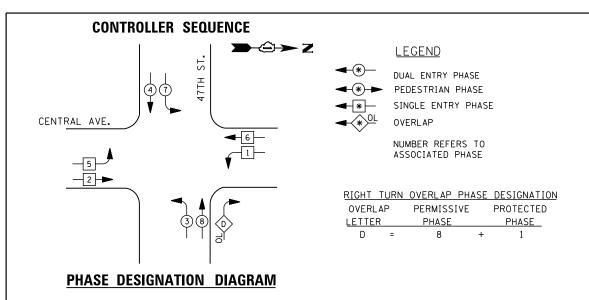
SIGNAL HEAD, 5 - SECTION
SIGNAL HEAD, 2 - FACE, 3 SECTION EACH

SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION EΔCH TRAFFIC SIGNAL BACKPLATE FACH

3 EACH SIGNAL POST

TS #2135 FORFST VIFW

COMMONWEALTH EDISO	N_												FORES		ΕW
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			L ROUTE 43 (HA					F.A. RTF.	SECTION	COUNTY	TOTAL SHEETS	
	DRAWN -	СС	REVISED -	STATE OF ILLINOIS	SCHE					NATION DIAGRAM		2014-019TS	соок	90	46
PLOT SCALE = 20.000 '/ in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EME	RGENCY	VEHICLE PI	REEMPTION SE	QUENCE			CONTRACT	T NO. F	60Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS			



		I. D. O	. T.		
	TRAFFIC S	I GNAL I	NSTALLA	TION	
	ELECTRICAL	SERVI CE	REQUI R	EMENTS	
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL
		INCAND.	LED		WATTAGE
SIGNAL (RED)	17	1 35	1 7	0.50	145
(YELLOW)	17	1 35	25	0.25	107
(GREEN)	17	1 35	15	0.25	64
ARROW	8	1 35	12	0.10	10
PED. SIGNAL	0	90	25	1.00	0
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	
VIDEO SYSTEM		150	-	1.00	
FLASHER LED					
				TOTAL =	426

BILLED TO: IDOT DISTRICT 1

CONTACT JOE STACHO

PHONE

630-424-5704

201 WEST CENTER COURT

COMMONWEALTH EDISON

SCHAUMBURG, IL 60196-1096

ENERGY COSTS-

ENERGY SUPPLY -

SCHEDULE OF QUANTITIES

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

TRACER

CABLE

INTERCONNECT TO 51ST ST.

CENTRAL AVE.

GREEN

CABLE PLAN

ST.

47TH

-NO. 6

GREEN

FRONTAGE

9 C Y ↓ A B G Y ← G →

> R R

NO. 6-

GREEN

R

C ≺ Z

9 G 从 Y+ 8 G+

Y G G Y+

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

→②→ Z

- TRACER

CABLE

\ INTERCONNECT

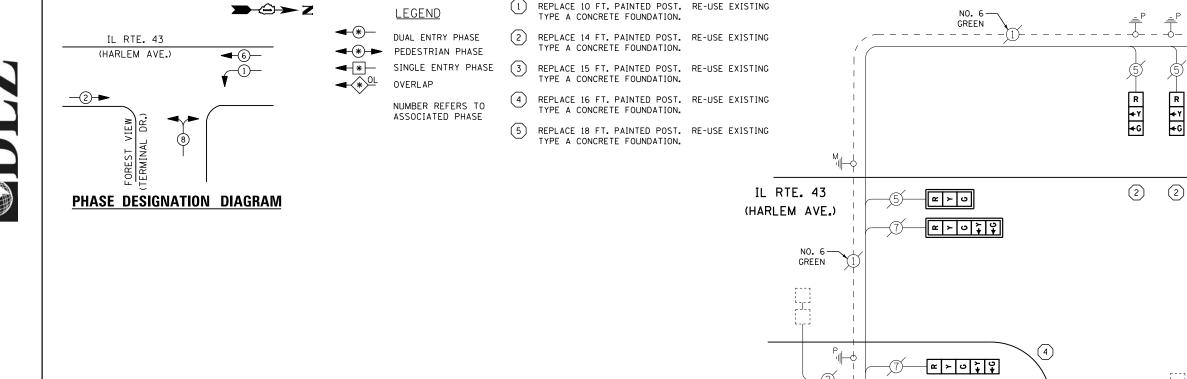
TO I-55

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 TRAFFIC SIGNAL BACKPLATE

TS #3805 FOREST VIEW

USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		CENTRAL AVENUE AND 47TH STREET	F.A. RTF.	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGRAM		2014-019TS	соок	90 47
PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRAC	T NO. 60Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS		



I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS WATTAGE % OPERATIONS TOTAL WATTAGE INCAND. LED SIGNAL (RED) 94 1 35 17 0.50 11 (YELLOW) 1 35 25 0.25 69 11 (GREEN) 1 35 15 0.25 42 11 ARROW 1 35 12 0.10 PED. SIGNAL 90 25 1.00 0 0 CONTROLLER 100 100 1.00 100 ILLUM. SIGN 252 25 0.05 VIDEO SYSTEM 1.00 150 FLASHER LED TOTAL = 310

CONTROLLER SEQUENCE

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

SCHAUMBURG, IL 60196-1096 CONTACT JOE STACHO

630-424-5704 COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

QUANTITY <u>UNIT</u> <u>ITEM</u> MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. FACH EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED EACH EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM MODIFY EXISTING CONTROLLER CABINET EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH REMOVE AND REPLACE ANCHOR BOLTS UNINTERRUPTABLE POWER SUPPLY, SPECIAL EACH

INTERCONNECT TO I-55 (NORTH RAMP)

TRACER CABLE

CABLE PLAN

FOREST VIEW (TERMINAL DR.)

NO. 6 GREEN

UPS SHALL BE INSTALLED ON LEFT SIDE OF CONTROLLER CABINET DUE TO PHYSICAL CONSTRAINT, OR AS DIRECTED BY THE ENGINEER

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

→②→ Z

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(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.

6 EACH SIGNAL HEAD, 3 - SECTION SIGNAL HEAD, 5 - SECTION
SIGNAL HEAD, 3 - FACE, 3 SECTION EACH FACH TRAFFIC SIGNAL BACKPLATE FΔCH

EACH SIGNAL POST

TS #4715 FORFST VIEW

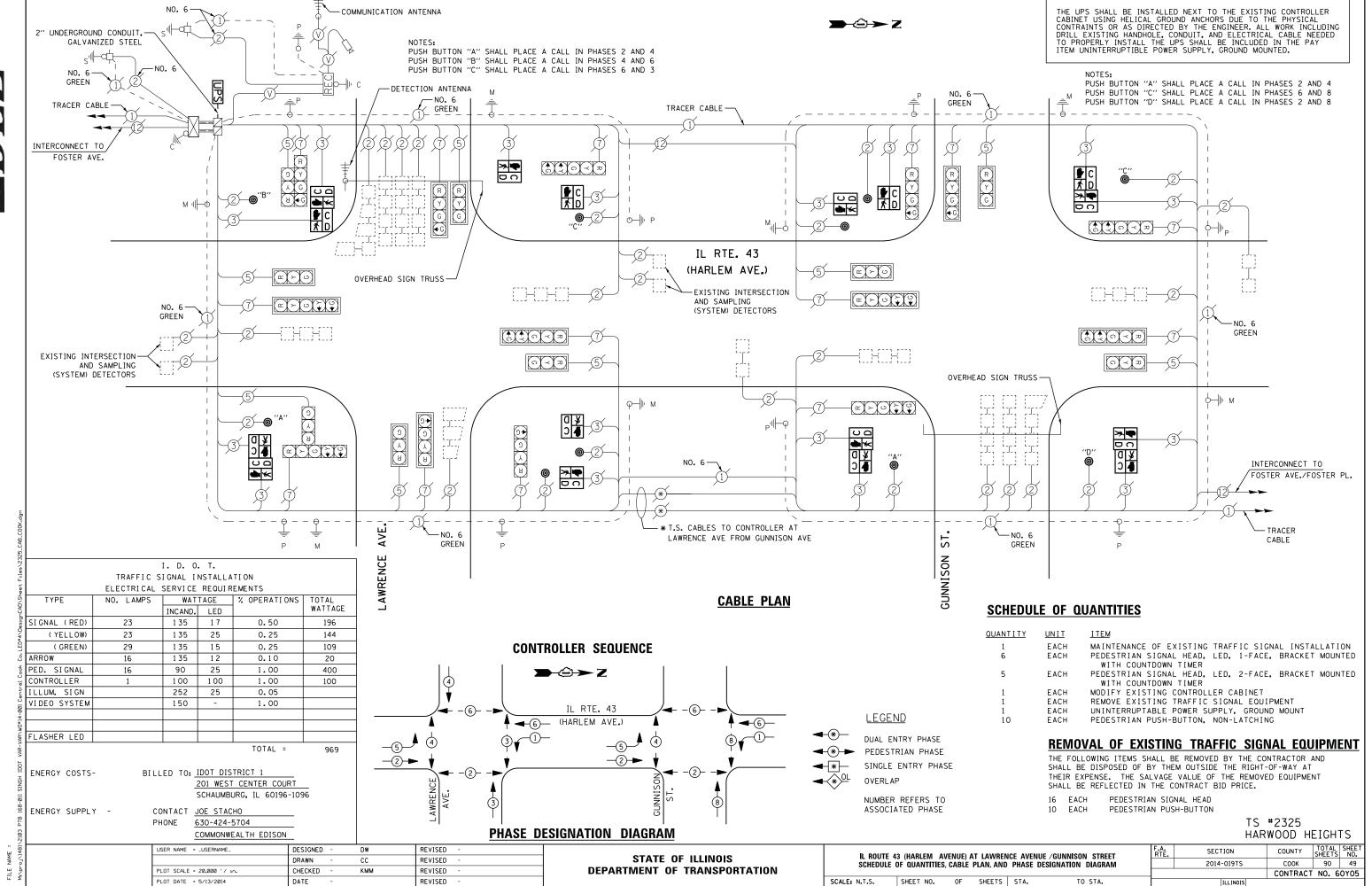
INTERCONNECT TO 46TH STREET/ 47TH STREET

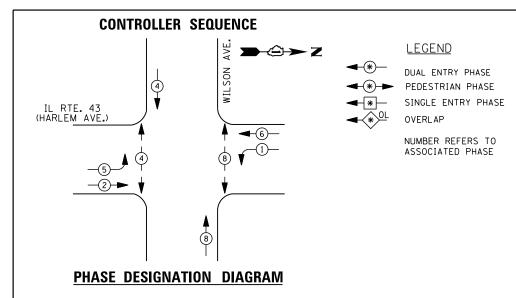
TRACER CABLE

USER NAME = LUSERNAME. DESIGNED - DW REVISED - DRAWN - CC REVISED - STATE OF ILLIN	IL ROUTE
PLOT SCALE = 20.000 '/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANS	SPORTATION SCHEDU
PLOT DATE = 5/13/2014 DATE - REVISED -	SCALE: N.T.S.

								1 OILL		- ''	
IL ROUTE 43	(HARLEM AVE	NUF) AT	AMOCO O	IL (FOREST V	IEW/TERMINAL DRIVE)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	ı
SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGRAM							2014-019TS	СООК	90	48	
								CONTRACT	T NO. 6	0Y05	
LE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILL INOIS				

ENERGY SUPPLY -





	1	I. D. O.	. T.		
	TRAFFIC SI	I GNAL I	NSTALLA	TION	
	ELECTRICAL S	SERVI CE	REQUIR	EMENTS	
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL
			WATTAGE		
SIGNAL (RED)	12	1 35	1 7	0.50	102
(YELLOW)	12	1 35	25	0.25	75
(GREEN)	12	1 35	15	0.25	45
ARROW	8	1 35	12	0.10	10
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	1 00	100	1.00	100
ILLUM. SIGN		252	25	0.05	
VIDEO SYSTEM		150	-	1.00	
FLASHER LED					
				TOTAL =	432

ENERGY COSTS-

ENERGY SUPPLY -

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

SCHAUMBURG, IL 60196-1096

CONTACT JOE STACHO PHONE

630-424-5704 COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

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

→②→ Z — NO. 6 GREEN NO. 6-GREEN INTERCONNECT TO MONTROSE AVE. (EAST)/ AGATITE AVE. -TRACER CABLE R WILSON **@**-2 TRACER CABLE -INTERCONNECT TO LAWRENCE AVE. (WEST) IL RTE. 43 (HARLEM AVE.) EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS -5-E > 0 GREEN CARDINAL LIQUORS **ENTRANCE CABLE PLAN**

UPS SHALL BE INSTALLED ON LEFT SIDE OF CONTROLLER CABINET DUE TO PHYSICAL CONSTRAINT, OR AS DIRECTED BY THE ENGINEER

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

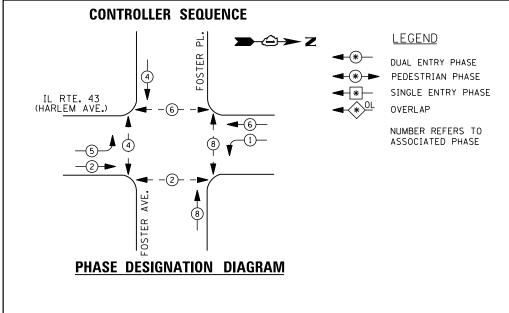
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

PEDESTRIAN SIGNAL HEAD 4 EACH PEDESTRIAN PUSH-BUTTON

> TS #2430 HARWOOD HEIGHTS

USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			II DOUTE 42	/IIADI EN		E) AT 14/11/00	ANI AVENUE	F.A. RTF	SECTION	COUNTY	TOTAL	SHEET NO.
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE	IL ROUTE 43				DESIGNATION DIAGRAM	1	2014-019TS	соок	90	50
PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	OUNEDUE	01 407111111	o, onder	, ,		Distantion Distantin			CONTRAC	T NO. 6	0Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS			





	I. D. O. T.								
	TRAFFIC SIGNAL INSTALLATION								
ELECTRICAL SERVICE REQUIREMENTS									
TYPE	NO. LAMPS								
		INCAND.	LED		WATTAGE				
SIGNAL (RED)	12	1 35	1 7	0.50	102				
(YELLOW)	12	1 35	25	0.25	75				
(GREEN)	12	1 35	15	0.25	45				
ARROW	8	1 35	12	0.10	10				
PED. SIGNAL	8	90	25	1.00	200				
CONTROLLER	1	100	100	1.00	100				
ILLUM. SIGN		252	25	0.05					
VIDEO SYSTEM		150	-	1.00					
FLASHER LED									
				TOTAL =	532				

BILLED TO: IDOT DISTRICT 1

CONTACT JOE STACHO

630-424-5704

201 WEST CENTER COURT

COMMONWEALTH EDISON

SCHAUMBURG, IL 60196-1096

ENERGY COSTS-

ENERGY SUPPLY -

SCHEDULE OF QUANTITIES

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

GREEN

INTERCONNECT TO

FOSTER PL.

TRACER CABLE

IL RTE. 43 (HARLEM AVE.)

GREEN

2-0

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UPS SHALL BE INSTALLED ON LEFT SIDE OF CONTROLLER CABINET DUE TO PHYSICAL CONSTRAINT, OR AS DIRECTED BY THE ENGINEER

NOTE: PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.

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.

PEDESTRIAN SIGNAL HEAD 7 EACH PEDESTRIAN PUSH-BUTTON

> TS #4285 HARWOOD HEIGHTS

→②→ Z

EXISTING INTERSECTION AND SAMPLING

(SYSTEM) DETECTORS

USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			DOUTE 40 (UA	DI E B 4 1	(ENUIE) AT	FOOTED A	MENUE (MORTH)	F.A.	SECTION	COUNTY	TOTAL	SHEE.
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS						VENUE (NORTH) Designation Diagram	11112	2014-019TS	СООК	90	51
PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	00112022		.0, 0, 1511	1 27114, 71142					CONTRAC	T NO. 6	0Y05د
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS			

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FOSTER

R F

AVE.

FOSTER

-NO. 6

CABLE PLAN

GREEN

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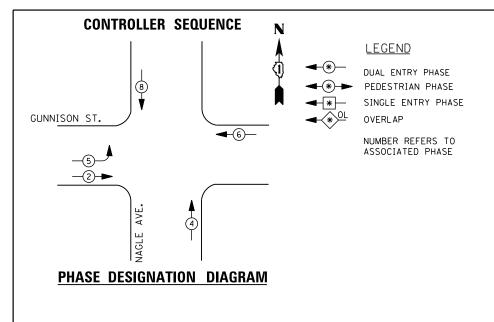
-NO. 6

GREEN

≯ □ C

≯ □ C

-5



I. D. O. T.									
TRAFFIC SIGNAL INSTALLATION									
ELECTRICAL SERVICE REQUIREMENTS									
TYPE	NO. LAMPS	WATTAGE % OPERATIONS TOTAL							
		INCAND.	LED		WATTAGE				
SIGNAL (RED)	12	1 35	1 7	0.50	102				
(YELLOW)	12	1 35	25	0.25	75				
(GREEN)	12	1 35	15	0.25	45				
ARROW	4	1 35	12	0.10	5				
PED. SIGNAL	0	90	25	1.00	0				
CONTROLLER	1	100	100	1.00	100				
ILLUM. SIGN		252	25	0.05					
VIDEO SYSTEM		150	-	1.00					
FLASHER LED									
				TOTAL =	327				

ENERGY COSTS-

ENERGY SUPPLY -

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

SCHAUMBURG, IL 60196-1096 CONTACT JOE STACHO

630-424-5704 COMMONWEALTH EDISON

USER NAME = _USERNAME_ DESIGNED -REVISED DRAWN CC REVISED CHECKED REVISED REVISED PLOT DATE = 5/13/2014 DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION FULL-ACTUATED CONTROLLER AND TYPE IV CABINET

TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED

SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED

TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

UNINTERRUPTABLE POWER SUPPLY, SPECIAL

REMOVE AND REPLACE ANCHOR BOLTS

INDUCTIVE LOOP DETECTOR

SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED

REPLACE 10 FT. PAINTED POST. RE-USE EXISTING

REPLACE 14 FT. PAINTED POST. RE-USE EXISTING

REPLACE 15 FT. PAINTED POST. RE-USE EXISTING

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING

TYPE A CONCRETE FOUNDATION.

GUNNISON STREET AT NAGLE AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGRAM SCALE: N.T.S. SHEET NO. OF SHEETS STA.

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

SECTION

2014-019TS

GREEN

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 SIGNAL HEAD, 3 - SECTION EACH SIGNAL HEAD, 5 - SECTION

SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION EACH

EACH SIGNAL HEAD, 2 - FACE, 3 SECTION

EACH TRAFFIC SIGNAL BACKPLATE

EACH SIGNAL POST EACH CONTROLLER AND CABINET (COMPLETE)

TS #5270 HARWOOD HEIGHTS

COUNTY

COOK 90 52

CONTRACT NO. 60Y05

C A C 2 GUNNISON ST. **-** [℃] ≻ [∪] NO. 6 GREEN - NO. 6 **↑** ↑ C Y R GREEN **೧** ₹ ₹ 5 ⑤─**┌┌** ≻ ७ NAGLE

CABLE PLAN

-NO. 6

GREEN

SCHEDULE OF QUANTITIES

<u> UN I T</u>

EACH EACH

EACH

FACH FACH

EACH

EACH

EACH

EACH

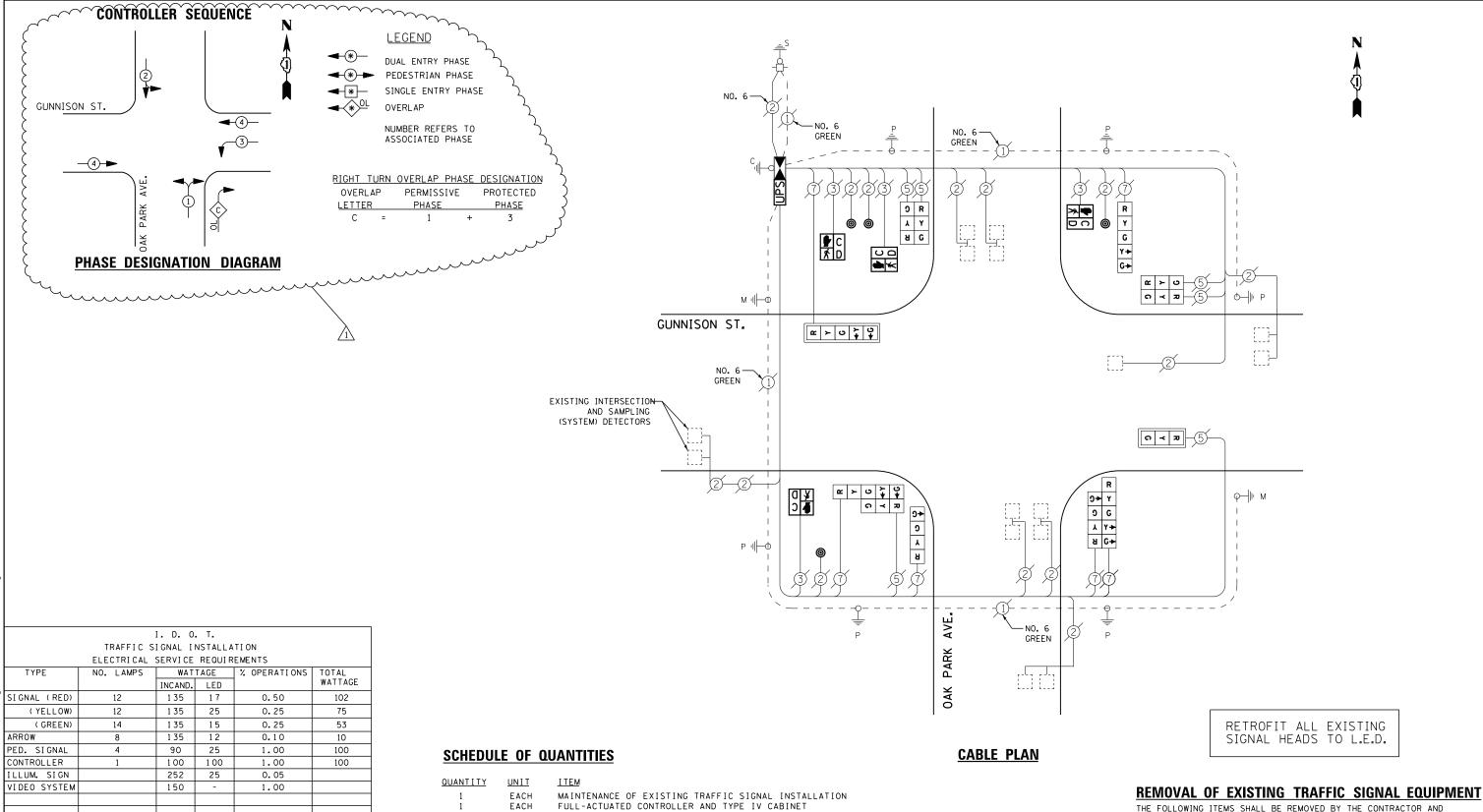
EACH

EACH

EACH

QUANTITY

DW	



ENERGY COSTS-

ENERGY SUPPLY -

FLASHER LED

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

CONTACT JOE STACHO

PHONE 630-424-5704 COMMONWEALTH EDISON

TOTAL =

SCHAUMBURG, IL 60196-1096

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
9	EACH	INDUCTIVE LOOP DETECTOR
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT
1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
2	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
1	EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED, RETROFIT
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT

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.

PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON EACH

EACH CONTROLLER AND CABINET (COMPLETE)

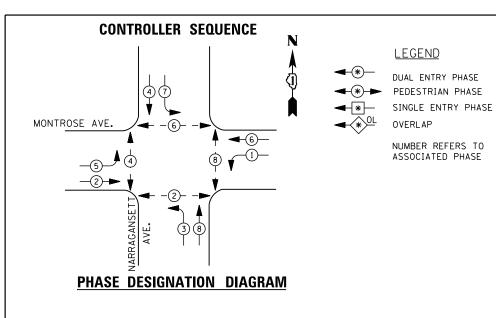
> TS #5275 HARWOOD HEIGHTS

USER NAME = _USERNAME_	DESIGNED -	DW	REVISED - \Lambda 06/13/2014
	DRAWN -	CC	REVISED -
PLOT SCALE = 20.000 '/ in.	CHECKED -	KMM	REVISED -
PLOT DATE = 6/18/2014	DATE -		REVISED -

440

STATI	E OF	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

		HAN	11000 11	LIGH	1 5
GUNNISON STREET AT OAK PARK AVENUE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	
SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGRAM		2014-019TS	СООК	90	53
			CONTRACT	NO. 6	0Y05
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS			



EXISTING INTERSECTION AND SAMPLING
(SYSTEM) DETECTORS REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. 3 REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. -NO. 6 REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. GREEN GREEN **UPS** REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. R Y Y \(\frac{1}{4}\) \(\frac{1}{4} G **▲**≪ +Y +G 4 MONTROSE AVE. **∠** ≻ ∪ -EXISTING INTERSECTION R Y C Y AND SAMPLING NO. 6-GREEN (SYSTEM) DETECTORS **↑ ↑ ○ √ ₽** ର ≺ ଅ **~** ≻ ∪ ↓ ♀ λ÷ 0 ດ ≺ ¤ TRACER CABLE о ч я R D A ວ ດ **♣**≰ В **≯**• INTERCONNECT TO MONTROSE AVE./NEENAH AVE. NARRAGANSETT AVE. GREEN

	ELECTRI CAL	SERVI CE	REQUI R	EMENTS	
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL
		INCAND.	LED		WATTAGE
SIGNAL (RED)	16	1 35	1 7	0.50	136
(YELLOW)	16	1 35	25	0.25	100
(GREEN)	16	1 35	15	0.25	60
ARROW	16	1 35	12	0.10	20
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	
VIDEO SYSTEM		150	-	1.00	

I. D. O. T. TRAFFIC SIGNAL INSTALLATION

FLASHER LED TOTAL =

BILLED TO: IDOT DISTRICT 1 ENERGY COSTS-

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -CONTACT JOE STACHO

630-424-5704 COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

QUANTITY	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET 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	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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.

SIGNAL HEAD, 3 - SECTION 4 EACH

EACH

-EXISTING INTERSECTION AND SAMPLING (SYSTEM)

DETECTORS

CABLE PLAN

SIGNAL HEAD, 5 - SECTION
SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION EACH

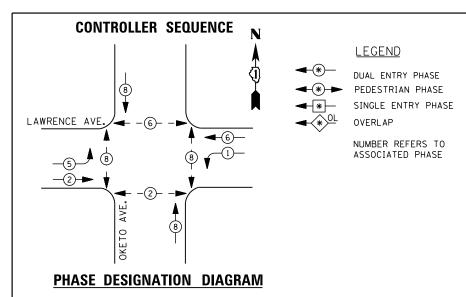
TRAFFIC SIGNAL BACKPLATE FACH

PEDESTRIAN SIGNAL HEAD EACH PEDESTRIAN PUSH-BUTTON

EACH EACH SIGNAL POST

TS #5500 HARWOOD HEIGHTS

USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		MONTROSE AVENUE AT NARRAGANSETT AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGRAM					F.A.	SECTION	COUNTY	TOTAL	SHEET	
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS						2014-019TS	соок	90	54		
PLOT SCALE = 20.000 ' / in.	CHECKED -	KMM	REVISED -	DEPARTMENT OF TRANSPORTATION	CONLEGGE	or domining	, OADLL 1	LAIV, AIVE	D THAGE DEGIC	INATION DIAGNAM			CONTRAC	T NO. 60	0Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS			



I. D. O. T.								
TRAFFIC SIGNAL INSTALLATION								
ELECTRICAL SERVICE REQUIREMENTS								
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL			
		INCAND.	LED		WATTAGE			
SIGNAL (RED)	14	1 35	1 7	0.50	119			
(YELLOW)	14	1 35	25	0.25	88			
(GREEN)	14	1 35	15	0.25	53			
ARROW	8	1 35	12	0.10	10			
PED. SIGNAL	8	90	25	1.00	200			
CONTROLLER	1	1 00	1 00	1.00	100			
ILLUM. SIGN		252	25	0.05				
VIDEO SYSTEM		150	-	1.00				
FLASHER LED								

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

TOTAL =

570

ENERGY SUPPLY -

CONTACT JOE STACHO
PHONE 630-424-5704

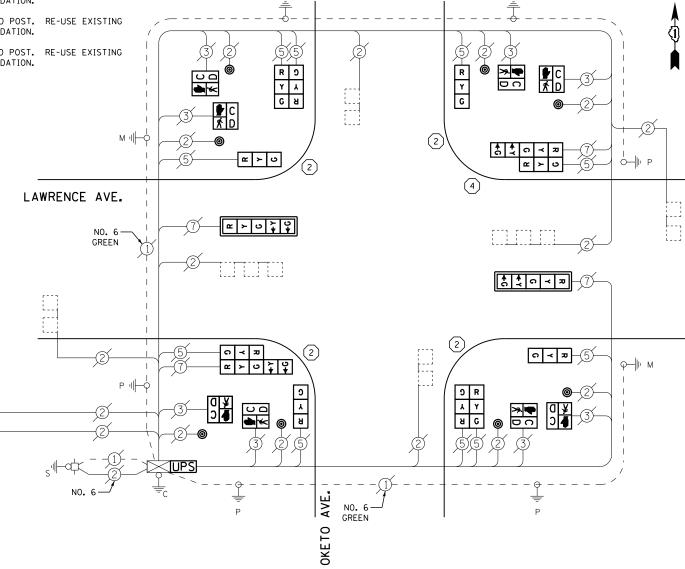
630-424-5704 COMMONWEALTH EDISON REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

2 REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

3 REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

4 REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

(5) REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.



CABLE PLAN

SCALE:

SCHEDULE OF QUANTITIES

EMERGENCY VEHICLE—PUSH-BUTTON ASSEMBLY #1

EMERGENCY VEHICLE—PUSH-BUTTON ASSEMBLY #2

AT FIRE STATION

AT FIRE STATION

QUANTITY	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4	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, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
8	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
2	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
3	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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, 3 - SECTION
2 EACH SIGNAL HEAD, 5 - SECTION
2 EACH SIGNAL HEAD, 2 - FACE, 3 SECTION

EACH SIGNAL HEAD, 2 - FACE, 3 SECTION
EACH SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION

EACH TRAFFIC SIGNAL BACKPLATE
EACH PEDESTRIAN SIGNAL HEAD

B EACH PEDESTRIAN PUSH-BUTTON EACH SIGNAL POST

> TS #10875 HARWOOD HEIGHTS

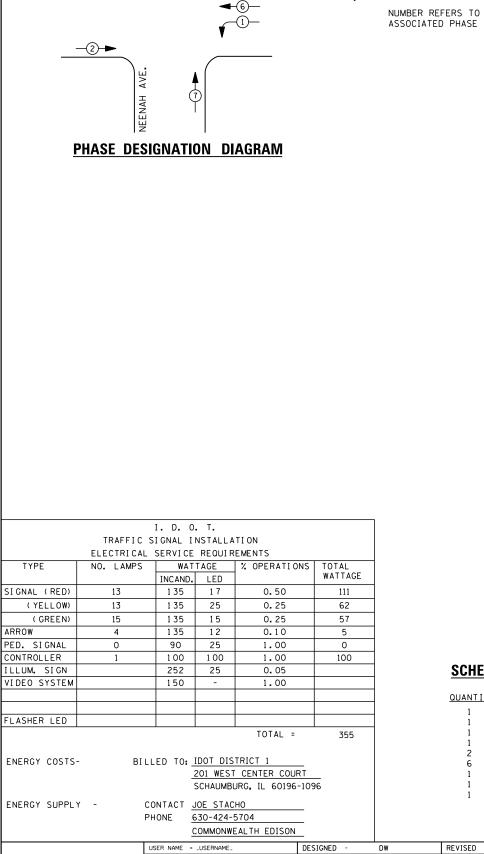
USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED -	
	DRAWN	-	CC	REVISED -	
PLOT SCALE = 20.000 '/ in.	CHECKED	-	KMM	REVISED -	DEPARTI
PLOT DATE = 5/13/2014	DATE	-		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	LAWRF	ICF AV	FNUF AT O	KETO AVENI	IF	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULE (OF QUANTITIES,					2014-019TS	СООК	90	55	
								CONTRACT	NO. 6	0Y05
N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS			

W. MONTROSE AVE.

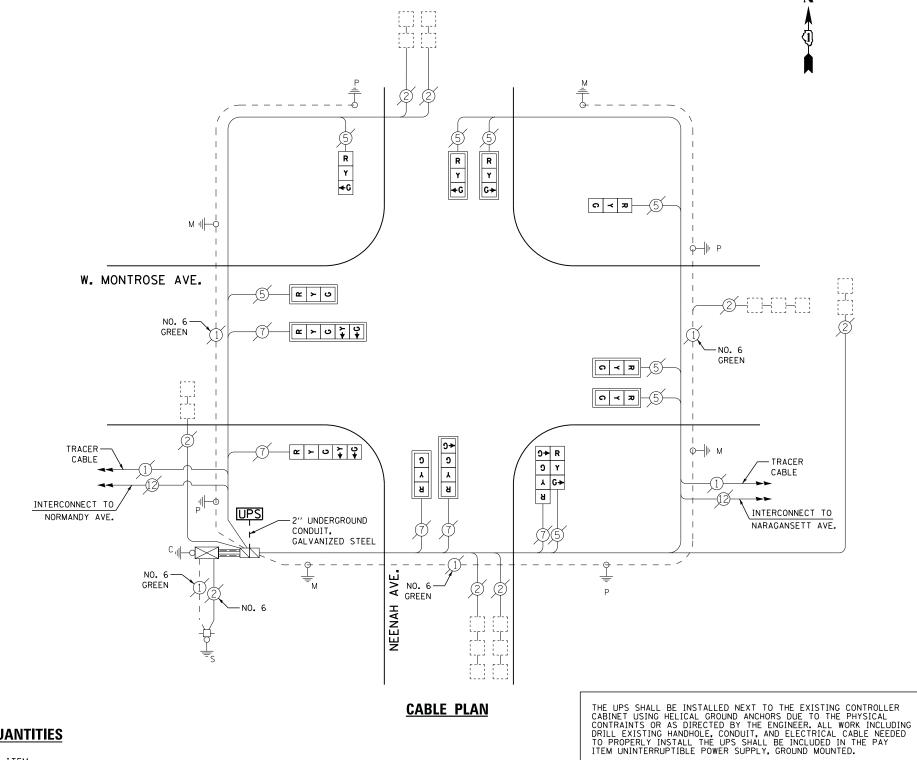




CONTROLLER SEQUENCE

LEGEND

DUAL ENTRY PHASE PEDESTRIAN PHASE SINGLE ENTRY PHASE



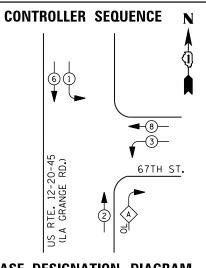
SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED, RETROFIT
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
6	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
1	EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED, RETROFIT
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

> TS #21775 HARWOOD HEIGHTS

										*
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		MONTPOOR AVENUE AT NECKNALL AVENUE	F.A. S	ECTION COU	NTY TOTA	AL SHI	EET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	MONTROSE AVENUE AT NEENAH AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGRAM	20	014-019TS CO	OK 90	-	56
PLOT SCALE = 20.000 '/ in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	CONEDULE OF CONTINUES, ONDEE FEMILIANT FINISE DESIGNATION DIVISION				. 60Y	05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS			



DUAL ENTRY PHASE PEDESTRIAN PHASE

SINGLE ENTRY PHASE

PHASE 2

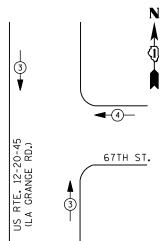
OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP PERMISSIVE PROTECTED

PHASE DESIGNATION DIAGRAM



EMERGE	NCY VEHICL	E PREE	<u>MPTION</u>	SEQUENCE
	EMERGENCY VE	HICLE PRE	EMPTORS	
	EMERGENCY VEHICLE PREEMPTOR	3	4	
	MOVEMENT		-	

	Ι.	D.	0.	Τ.	
TRAFFIC	SIG	NAL	ΙN	STALL	NOITA
ELECTRICAL	. SEI	RVI	CE	REQUIF	REMENTS

		EMENTS				
	TYPE	NO. LAMPS	IPS WATTAGE		% OPERATIONS	TOTAL
			INCAND.	LED		WATTAGE
n	SIGNAL (RED)	12	1 35	1 7	0.50	102
	(YELLOW)	12	1 35	25	0.25	75
	(GREEN)	12	1 35	15	0.25	45
	ARROW	8	1 35	12	0.10	10
	PED. SIGNAL	0	90	25	1.00	0
	CONTROLLER	1	100	100	1.00	100
	ILLUM. SIGN		252	25	0.05	
	VIDEO SYSTEM		150	-	1.00	
	FLASHER LED					

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

TOTAL =

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN 708-235-2692

COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

QUANTITY	<u>UN I T</u>	<u>I TEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRANSCEIVER - FIBER OPTIC
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
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	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED
4	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
7	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

TYPE A CONCRETE FOUNDATION. REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

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

CONTRACTOR SHALL RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT AND/OR DETECTOR UNIT, THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL

REPLACE 10 FT. PAINTED POST. RE-USE EXISTING INTERCONNECT TO TRACER CABLE -NO. 6 GREEN G [--] **F \$ 5** (5) GREEN -NO. 6 GREEN 2 67TH ST. <u>-5</u>—<u>┏┡₽</u> 4 0 $\overline{}$ В Y S EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS **CABLE PLAN**

UPS SHALL BE INSTALLED ON LEFT SIDE OF CONTROLLER CABINET DUE TO PHYSICAL CONSTRAINT, OR AS DIRECTED BY THE ENGINEER

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.

EACH SIGNAL HEAD, 3 - SECTION

SIGNAL HEAD, 5 - SECTION SIGNAL HEAD, 2 - FACE, 5 SECTION EACH

EACH SIGNAL HEAD, 3 - FACE, 3 SECTION

EACH SIGNAL POST

EACH TRAFFIC SIGNAL BACKPLATE CONTROLLER AND CABINET (COMPLETE) EACH

TS #1040 HODGKINS

COUNTY TOTAL SHEETS NO.

COOK 90 57

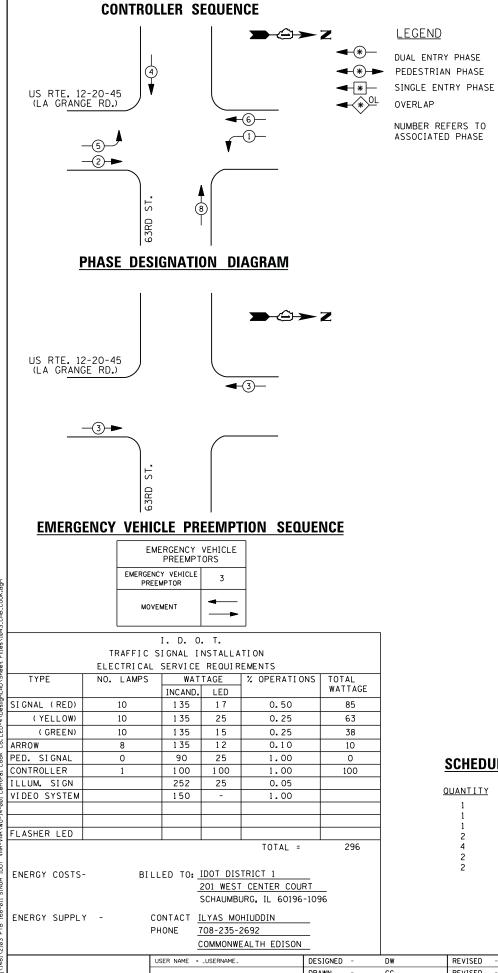
COUNTY

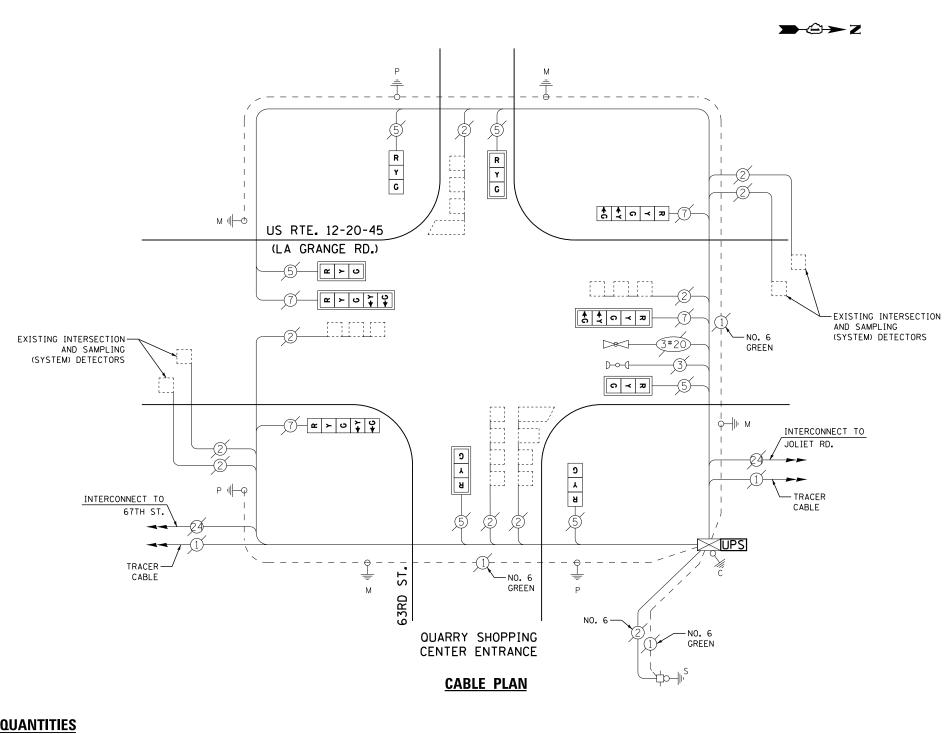
USER NAME = _USERNAME_ DESIGNED REVISED DW DRAWN CC REVISED CHECKED REVISED PLOT DATE = 5/13/2014 DATE REVISED

332

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

US ROUTE 12-20-45 (LA GRANGE ROAD) AT 67TH STREET SECTION SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM 2014-019TS AND EMERGENCY VEHICLE PREEMPTION SEQUENCE CONTRACT NO. 60Y05 SCALE: N.T.S. SHEET NO. OF SHEETS STA.





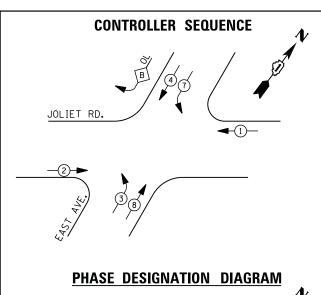
SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

TS #1043 HODGKINS

USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			US ROUTE 12	2-20-45	(LA GRAN	GE ROAD)	AT 63RD STREET	F.A.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCH					DESIGNATION DIAGRAM		2014-019TS	соок	90	58
PLOT SCALE = 20.000 ' / in.	CHECKED -	KMM	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EME	RGENCY	VEHICLE F	PREEMPTIO	ON SEQUENCE			CONTRAC	T NO. F	OY05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS			



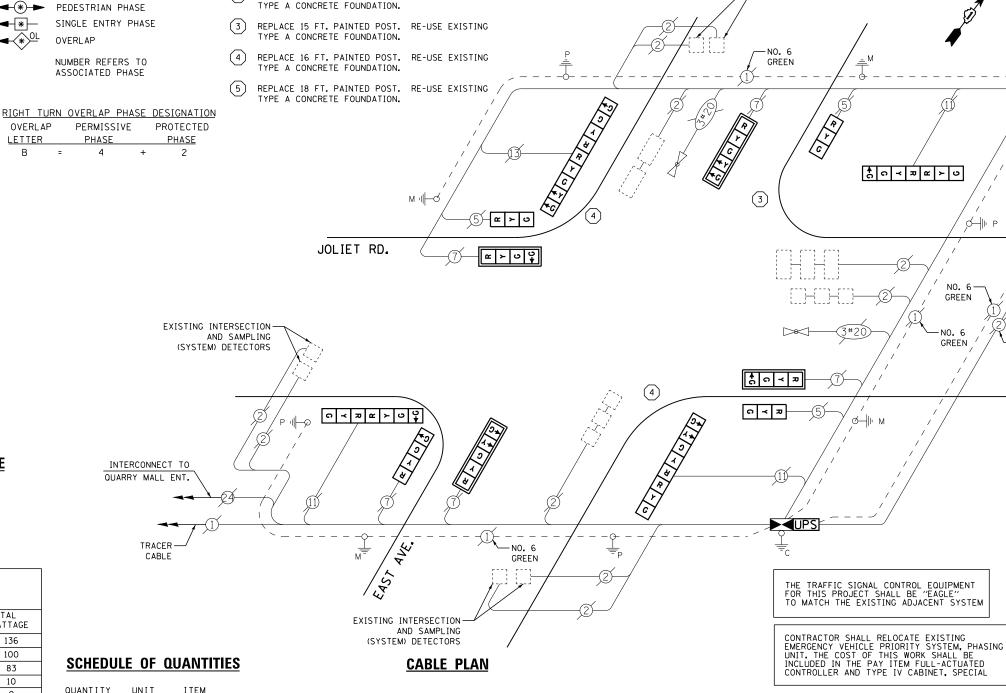
JOLIET RD.

REPLACE 10 FT. PAINTED POST. RE-USE EXISTING LEGEND TYPE A CONCRETE FOUNDATION.

DUAL ENTRY PHASE

LETTER

REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.



EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS	
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT		\	1

I. D. O. T. TRAFFIC SIGNAL INSTALLATION FLECTRICAL SERVICE RECUIREMENTS

	ELECTRICAL	SERVICE	REQUIR	EMENTS	
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL
		INCAND.	LED		WATTAGE
SIGNAL (RED)	16	1 35	1 7	0.50	136
(YELLOW)	16	1 35	25	0.25	100
(GREEN)	22	1 35	15	0.25	83
ARROW	8	1 35	12	0.10	10
PED. SIGNAL	0	90	25	1.00	0
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	
VIDEO SYSTEM		150	ı	1.00	
FLASHER LED					

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN PHONE 708-235-2692

TOTAL =

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRANSCEIVER - FIBER OPTIC
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
10	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE 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.

SIGNAL HEAD, 3 - SECTION EACH SIGNAL HEAD, 4 - SECTION SIGNAL HEAD, 5 - SECTION

SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-4 SECTION SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION SIGNAL HEAD, 2 - FACE, 1-4 SECTION, 1-5 SECTION

TRAFFIC SIGNAL BACKPLATE

EACH SIGNAL POST

CONTROLLER AND CABINET (COMPLETE) 1 EACH

TS #5065 **HODGKINS** COUNTY TOTAL SHEET NO. COOK 90 59

CONTRACT NO. 60Y05

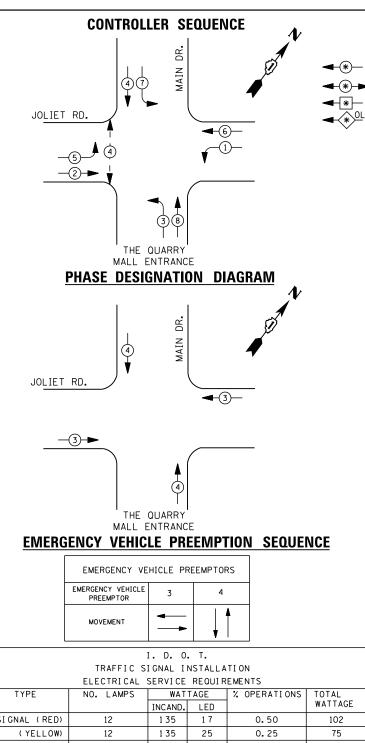
USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED	-
	DRAWN	-	CC	REVISED	-
PLOT SCALE = 20.000 '/ in.	CHECKED	-	кмм	REVISED	-
PLOT DATE = 5/13/2014	DATE	-		REVISED	-

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

JOLIET ROAD AT EAST AVENUE SECTION SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE 2014-019TS SCALE: N.T.S. SHEET NO. OF SHEETS STA.

-EXISTING INTERSECTION

AND SAMPLING (SYSTEM) DETECTORS



SIGNAL (RED) (GREEN) 12 1 35 15 0.25 45 ARROW 16 1 35 12 0.10 20 PED. SIGNAL 50 90 25 1.00 CONTROLLER 100 100 1.00 100 ILLUM. SIGN 252 25 0.05 VIDEO SYSTEM 1.00 150 FLASHER LED TOTAL = 392

ENERGY COSTS-

CONTACT ILYAS MOHIUDDIN

ENERGY SUPPLY -708-235-2692

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

COMMONWEALTH EDISON

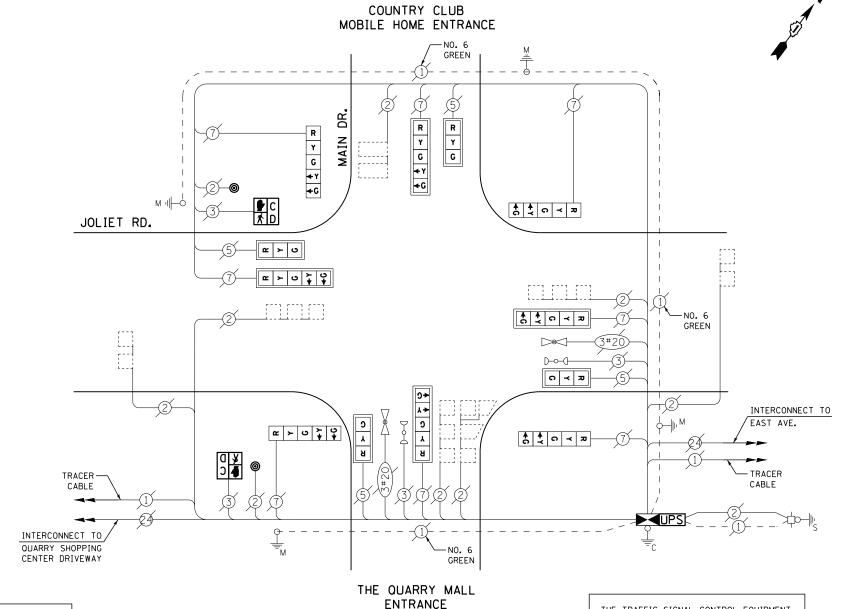
SCHAUMBURG, IL 60196-1096

LEGEND

DUAL ENTRY PHASE PEDESTRIAN PHASE SINGLE ENTRY PHASE

OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE



CONTRACTOR SHALL RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL

CABLE PLAN

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

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRANSCEIVER - FIBER OPTIC
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
7	EACH	INDUCTIVE LOOP DETECTOR
2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT

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.

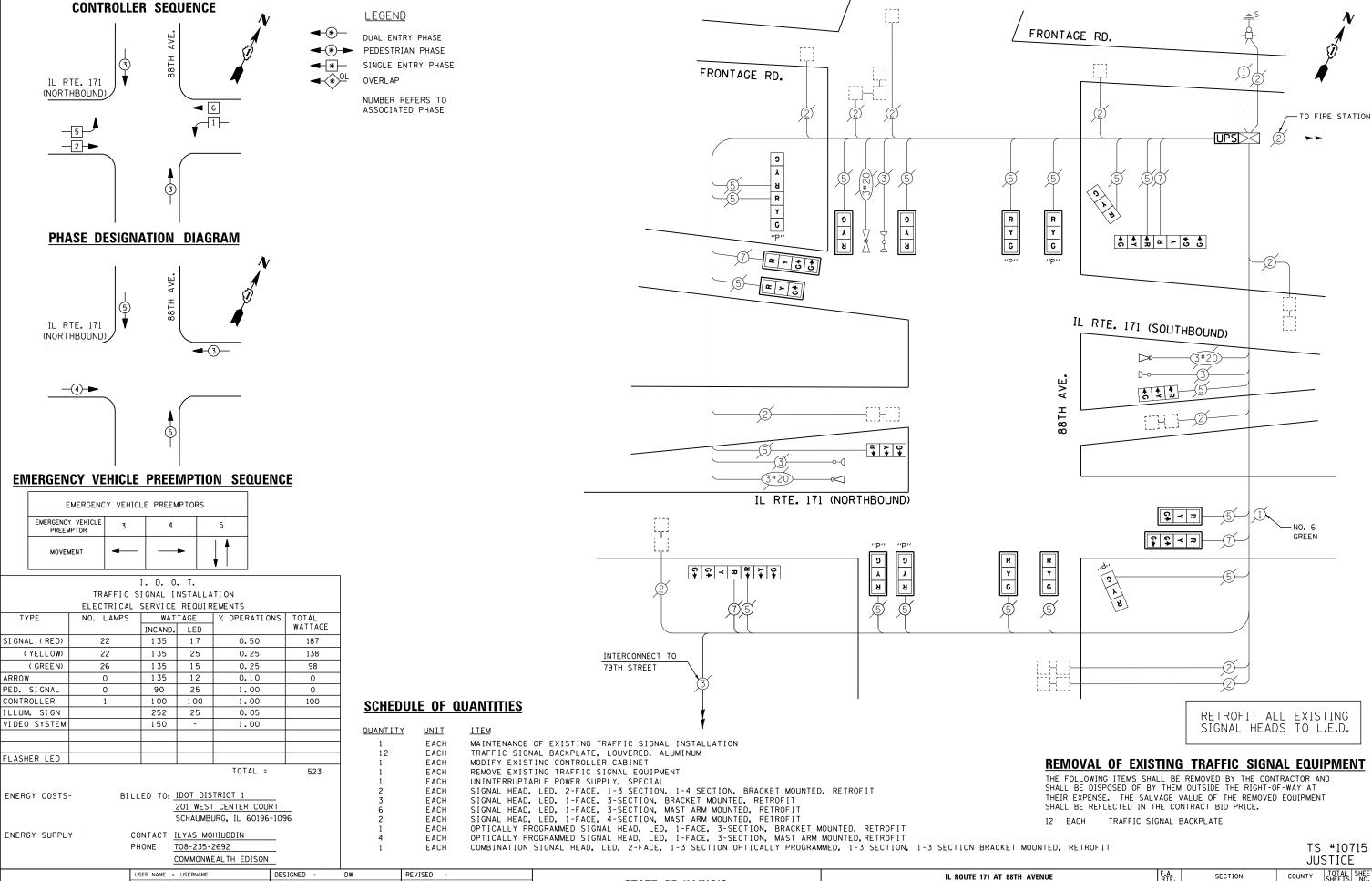
2 EACH PEDESTRIAN SIGNAL HEAD

EACH PEDESTRIAN PUSH-BUTTON

1 EACH CONTROLLER AND CABINET (COMPLETE)

TS #5066 HODGKINS

<u> </u>	10011							HODOKINS
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		JOLIET ROAD AT THE QUARRY MALL ENTRANCE EAST (LONESTAR)	F.A. RTF	SECTION	COUNTY TOTAL SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM	1112.	2014-019TS	СООК 90 60
PLOT SCALE = 20.000 ' / in.	CHECKED -	кмм	REVISED -	DEPARTMENT OF TRANSPORTATION	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE			CONTRACT NO. 60Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS	



FILE NAMME -M:\pro_N1481\2103 PTB 168-011 SINGH IDOT VAR-V

DRAWN

DATE

PLOT DATE = 5/13/2014

CHECKED

CC

КММ

REVISED

REVISED

REVISED

FILE NAME =

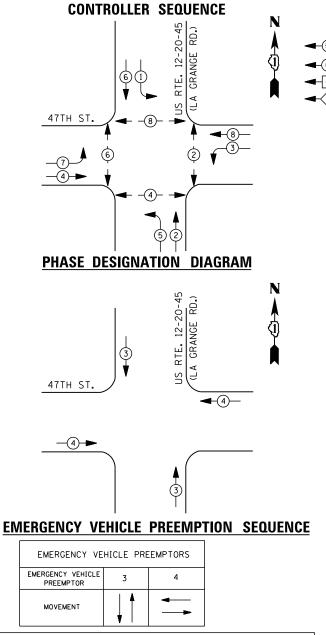
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

IL ROUTE 171 AT 88TH AVENUE
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

COUNTY TOTAL SHEETS NO.
COOK 90 61
CONTRACT NO. 60Y05

2014-019TS



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

	LLLCTRICAL	SLIVICE	NEGUIN	LIVILIVIO	
TYPE	NO. LAMPS	WATTAGE %		% OPERATIONS	TOTAL
		INCAND. LED			WATTAGE
SIGNAL (RED)	12	1 35	1 7	0.50	102
(YELLOW)	12	1 35	25	0.25	75
(GREEN)	12	1 35	15	0.25	45
ARROW	16	1 35	12	0.10	20
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	
VIDEO SYSTEM		150	-	1.00	
FLASHER LED					

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

TOTAL =

542

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN 708-235-2692

COMMONWEALTH EDISON

LEGEND

DUAL ENTRY PHASE

PEDESTRIAN PHASE

SINGLE ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE

QUANTITY

EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

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 PUSH-BUTTON

-EXISTING SAMPLING

-NO. 6

GREEN

LOOPS

TS #1030

-NO. 6

GREEN

GREEN

TRACER

CABLE

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 6 AND 8 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6 PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 2 AND 4

PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

USER NAME = _USERNAME_ DESIGNED REVISED DW STATE OF ILLINOIS DRAWN CC REVISED **DEPARTMENT OF TRANSPORTATION** CHECKED KMM REVISED DATE REVISED PLOT DATE = 5/13/2014

						LA G	KANG	Ł
	20–45 (LA GRANG	F.A. RTE.	SECTION	TOTAL SHEETS	SHEET NO.			
SCHEDULE OF QUANTI	TIES, CABLE PLAN SENCY VEHICLE P		2014-019TS	014-019TS COOK 90				
AND EIVIEN	SENGT VEHICLE P	NEEIVIP I IUN	SEUDENGE			CONTRACT	NO. 6	0Y05
N.T.S. SHEET NO.	OF SHEETS	STA.	TO STA.		ILLINOIS			

INTERCONNECT TO

PLAINFIELD RD.

47TH ST.

NO 6-GREEN

(c) (c)

(F)

US RTE. 12-20-45 (LA GRANGE RD.)

SCALE:

EXISTING-SAMPLING

L00PS

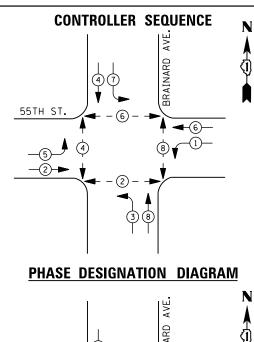
CABLE PLAN

SCHEDULE OF QUANTITIES

EACH

<u>UNIT</u>

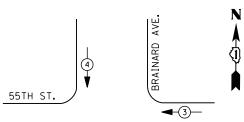
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

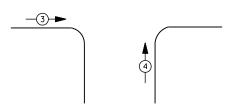


DUAL ENTRY PHASE

PEDESTRIAN PHASE SINGLE ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4		
MOVEMENT	—	↓ ↑		

	TRAFFIC SIGNAL INSTALLATION								
ELECTRICAL SERVICE REQUIREMENTS									
YPE	NO. LAMPS WATTAGE % OPERATION				TOTAL				
		INCAND.	LED		WATTAGE				
IAL (RED)	12	1 35	1 7	0.50	102				
(YELLOW)	12	1 35	25	0.25	75				
(GREEN)	12	1 35	15	0.25	45				
W	16	1 35	12	0.10	20				
SIGNAL	8	90	25	1.00	200				
ROLLER	1	1 00	100	1.00	100				
JM. SIGN		252	25	0.05					
O SYSTEM		150	ı	1.00					
, and the second									

I. D. O. T.

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

SCHAUMBURG, IL 60196-1096 CONTACT ILYAS MOHIUDDIN

TOTAL =

542

PHONE 708-235-2692 COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

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

M |⊩φ

NO. 6-GREEN

55TH ST.

TRACER CABLE

INTERCONNECT TO WILLOW SPRINGS RD.

CABLE PLAN

-NO. 6 GREEN

R N

BRAINARD AVE.

TIMER

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RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6 PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8

PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

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
- 4 EACH PEDESTRIAN PUSH-BUTTON

TS #3830 I A GRANGE

INTERCONNECT TO PLAINFIELD RD.

- TRACER CABLE

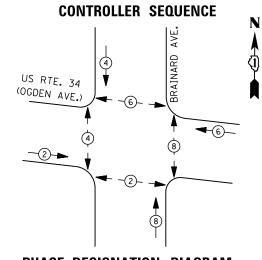
GREEN

ф--||II

	<u> </u>												LA OIVA	NOL
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		55TH STREET AT BRAINARD AVENUE		F.A.	SECTION	COUNTY	TOTAL SHEET				
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	so	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE			2014-019TS	соок	90 63			
PLOT SCALE = 20.000 '/ in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EMI	ERGENCY	VEHICLE	PREEMPTI	DN SEQUENCE			CONTRACT	NO. 60Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS		

ARROV PED. CONTR ILLUM VIDEO FLASHER LED

ENERGY SUPPLY -



DUAL ENTRY PHASE PEDESTRIAN PHASE SINGLE ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE

		ELECTRICAL SERVICE REQUIREMENTS						
	TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL		
			INCAND.	LED		WATTAGE		
1	SIGNAL (RED)	12	1 35	1 7	0.50	102		
	(YELLOW)	12	1 35	25	0.25	75		
	(GREEN)	12	1 35	15	0.25	45		
	ARROW	0	1 35	12	0.10	0		
	PED. SIGNAL	8	90	25	1.00	200		
	CONTROLLER	1	100	100	1.00	100		
	ILLUM. SIGN		252	25	0.05			
	VIDEO SYSTEM		150	ı	1.00			
	FLASHER LED							

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

TOTAL =

522

ENERGY SUPPLY -CONTACT ILYAS MOHIUDDIN

708-235-2692

SCHEDULE OF QUANTITIES

QUANTITY <u>UNIT</u> MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PEDESTRIAN PUSH-BUTTON, NON-LATCHING EACH EACH FACH

CABLE PLAN

GREEN

GREEN

(E) >

AVE.

BRAINARD

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6 PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8 PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

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 PUSH-BUTTON

(T)-(T)-

TS #13855 LA GRANGE

INTERCONNECT TO WAIOLA AVE.

TRACER CABLE

EXISTING INTERSECTION AND SAMPLING
(SYSTEM) DETECTORS

GREEN

COMMONWEALTH EDIS	014												LA	TANG	
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			U.S. ROUTE 3	34 (OGDE	N AVENU	E) AT BRA	AINARD AVENUE	F.A. RTE.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHE					DESIGNATION DIAGRAM	1,,,,,,	2014-019TS	соок	90	64
PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EME	RGENCY	VEHICLE P	PREEMPTI	ON SEQUENCE		2011 01010	CONTRAC	T NO. 6	OY05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS			

US RTE. 34

(OGDEN AVE.)

EXISTING INTERSECTION - AND SAMPLING

(SYSTEM) DETECTORS

INTERCONNECT TO

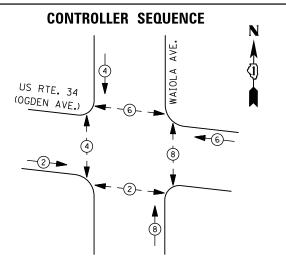
GILBERT AVE./ NAZARETH ACADEMY

> TRACER -CABLE

PHASE DESIGNATION DIAGRAM US RTE. 34 (OGDEN AVE.) **EMERGENCY VEHICLE PREEMPTION SEQUENCE** EMERGENCY VEHICLE PREEMPTORS EMERGENCY VEHICLE 3 PREEMPTOR MOVEMENT I. D. O. T. TRAFFIC SIGNAL INSTALLATION FLECTRICAL SERVICE REQUIREMENTS

OVERLAP

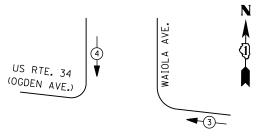


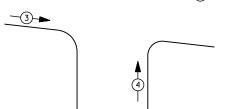


DUAL ENTRY PHASE PEDESTRIAN PHASE SINGLE ENTRY PHASE OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PREE	MPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		1

	I.	D.	0.	Т.
TRAFFIC	SIG	NAL	ΙN	STALLATION
ELECTRI CAL	SE	RVI	CE I	REQUIREMENTS

₽ .						
5	TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL
2			INCAND.	LED		WATTAGE
5150	SIGNAL (RED)	12	1 35	1 7	0.50	102
9	(YELLOW)	12	1 35	25	0.25	75
1	(GREEN)	12	1 35	15	0.25	45
j	ARROW	0	1 35	12	0.10	0
5	PED. SIGNAL	8	90	25	1.00	200
5	CONTROLLER	1	100	100	1.00	100
5	ILLUM. SIGN		252	25	0.05	
5	VIDEO SYSTEM		150	-	1.00	
9						
2						
É	FLASHER LED					

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

TOTAL =

522

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN PHONE 708-235-2692

SCHEDULE OF QUANTITIES

<u>QUANTITY</u> <u>UNIT</u> MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION REMOVE EXISTING TRAFFIC SIGNAL EOUIPMENT PEDESTRIAN PUSH-BUTTON, NON-LATCHING FACH FACH EACH

CABLE PLAN

GREEN

AVE.

WAIOLA

GREEN

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

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 PUSH-BUTTON

(T)-

TS #13860 I A GRANGE

- TRACER CABLE

\INTERCONNECT TO KENSINGTON AVE.

COMMONWEALTH EDIS	014												LAG	NANGE
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			US ROUTE	34 (OGDEN	AVENUE)	AT WAIOL	A AVENUE	F.A. RTF	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHE					GNATION DIAGRAM		2014-019TS	соок	90 65
PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EME	RGENCY VE	HICLE PRE	EMPTION S	EQUENCE				NO. 60Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF S	HEETS S	STA.	TO STA.		ILLINOIS		

US RTE. 34

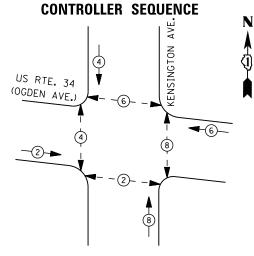
(OGDEN AVE.)

GREEN

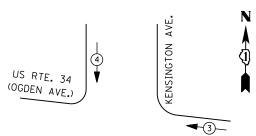
INTERCONNECT TO

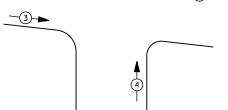
BRAINARD AVE.

TRACER CABLE



PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PREE	MPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		1

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

		ELECTRICAL	SERVICE	REQUIR	EMENIS	
	TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL
			INCAND.	LED		WATTAGE
1	SIGNAL (RED)	12	1 35	1 7	0.50	102
	(YELLOW)	12	1 35	25	0.25	75
	(GREEN)	12	1 35	15	0.25	45
	ARROW	0	1 35	12	0.10	0
	PED. SIGNAL	8	90	25	1.00	200
	CONTROLLER	1	100	100	1.00	100
	ILLUM. SIGN		252	25	0.05	
	VIDEO SYSTEM		150	ı	1.00	
	FLASHER LED					

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

TOTAL =

522

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN PHONE 708-235-2692

COMMONWEALTH EDISON

LEGEND

DUAL ENTRY PHASE PEDESTRIAN PHASE SINGLE ENTRY PHASE

OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE

US RTE. 34 (OGDEN AVE.) -NO. 6 GREEN INTERCONNECT TO WAIOLA AVE. TRACER -CABLE KENSINGTON AVE. GREEN PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6

CABLE PLAN

GREEN

SCHEDULE OF QUANTITIES

<u>QUANTITY</u> <u>UNIT</u> EACH

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH EACH PEDESTRIAN PUSH-BUTTON, NON-LATCHING

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8 PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

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 PUSH-BUTTON

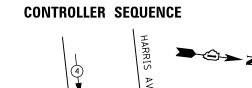
TS #13865 LA GRANGE

CABLE

\INTERCONNECT TO U.S. RTE. 12-20-45 (LA GRANGE RD.)

R NAME = _USERNAME_	DESIGNED -	DW	REVISED -			US ROUTE 3	34 (OGDEI	N AVENUE)	AT KENSIN	GTON AVENUE	F.A.	SECTION	COUNTY	TOTAL	SHEF	ĒΤΊ
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHI						11112	2014-019TS	соок	90	66	÷
T SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EMI	ERGENCY	VEHICLE P	REEMPTION	SEQUENCE				T NO.	60Y0	5
T DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS				
	SCALE = 20.000 ' / in.	DRAWN - SCALE = 20.000 '/ in. CHECKED -	DRAWN - CC SCALE = 20.000 ' / in. CHECKED - KMM	DRAWN - CC REVISED - SCALE = 20.000 '/ in. CHECKED - KMM REVISED -	DRAWN - CC REVISED - STATE OF ILLINOIS SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION	DRAWN - CC REVISED - STATE OF ILLINOIS SCHI	DRAWN - CC REVISED - STATE OF ILLINOIS SCHEDULE OF QUA SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION AND EM	DRAWN - CC REVISED - STATE OF ILLINOIS SCHEDULE OF QUANTITIES, (SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION AND EMERGENCY	DRAWN - CC REVISED - STATE OF ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAY SCALE = 20.000 7/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION AND EMERGENCY VEHICLE F	DRAWN - CC REVISED - STATE OF ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DE SCALE = 20.000 7/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION AND EMERGENCY VEHICLE PREEMPTION	DRAWN - CC REVISED - STATE OF ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION SEQUENCE	DRAWN - CC REVISED - STATE OF ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION RTE. SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE	DRAWN - CC REVISED - STATE OF ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE RTE. SCHOOL AT ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE	NAME = JUSERNAME. DESIGNED - DW REVISED - DW REVISED - STATE OF ILLINOIS SCALE = 20,000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION VISIONE 34 (OGDEN AVENUE) AT KENSINGTON AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE VISIONE 34 (OGDEN AVENUE) AT KENSINGTON AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE VISIONE 34 (OGDEN AVENUE) AT KENSINGTON AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE VISIONE 34 (OGDEN AVENUE) AT KENSINGTON AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE VISIONE 34 (OGDEN AVENUE) AT KENSINGTON AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE VISIONE 34 (OGDEN AVENUE) AT KENSINGTON AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE VISIONE 34 (OGDEN AVENUE) AT KENSINGTON AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE VISIONE 34 (OGDEN AVENUE) AT KENSINGTON AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE VISIONE 34 (OGDEN AVENUE) AT KENSINGTON AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE VISIONE 34 (OGDEN AVENUE) AT VISIONE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE VISIONE 34 (OGDEN AVENUE) AT VISIONE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE VISIONE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SCHEDULE OF QUANTITIES CONTINUE OF QUANTITIES CONTINUE OF QUANTITIES CONTINUE OF QUANTITIES CONTINUE OF QUANTITIES CON	NAME = JUSERNAME. DESIGNED - DW REVISED - DRAWN - CC REVISED - SCALE = 20,000 1/ In. CHECKED - KMM REVISED - DESIGNED - DW REVISED - STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DEPARTMENT OF TRANSPORTATION DESIGNED - DW REVISED - STATE OF ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE F.A. SECTION COUNTY TOTAL SHEETS COUNTY OF TRANSPORTATION COUNTY OF TRANSPORTATION TOTAL SHEETS TOTAL SHEETS	DRAWN - CC REVISED - STATE OF ILLINOIS SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE REV. SCHEDUL OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE CONTRACT NO. 60YO





DUAL ENTRY PHASE PEDESTRIAN PHASE SINGLE ENTRY PHASE

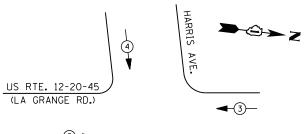
OVERLAP

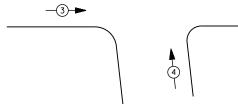
LEGEND

NUMBER REFERS TO ASSOCIATED PHASE

US RTE. 12-20-45 (LA GRANGE RD.) **4**-6)− **-2**→

PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PREE	MPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	—	1

	I.	D.	0.	Τ.	
TRAFFIC	SIG	NAL	ΙN	STALLATION	
ELECTRICAL	. SE	RVI	CE	REQUIREMENTS	

	TYPE	NO. LAMPS	WATTAGE :		% OPERATIONS	TOTAL
			INCAND.	LED		WATTAGE
n	SIGNAL (RED)	12	1 35	1 7	0.50	102
	(YELLOW)	12	1 35	25	0.25	75
	(GREEN)	12	1 35	15	0.25	45
	ARROW	0	1 35	12	0.10	0
	PED. SIGNAL	8	90	25	1.00	200
	CONTROLLER	1	100	100	1.00	100
	ILLUM. SIGN		252	25	0.05	
	VIDEO SYSTEM		150	-	1.00	
	FLASHER LED					

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

TOTAL =

522

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN PHONE

708-235-2692 COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
4	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

INTERCONNECT TO COSSITT AVE. TRACER — CABLE US RTE. 12-20-45 (LA GRANGE RD.) GREEN -TRACER CABLE INTERCONNECT TO BURLINGTON AVE./ HILLGROVE AVE. - NO. 6 GREEN HARRIS - NO. 6. GREEN AVE. NOTES: PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6 PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8 **CABLE PLAN** PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

GREEN

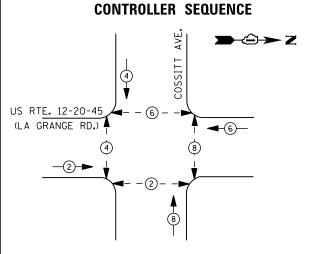
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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 PUSH-BUTTON

TS #13880

COMMONWEALTH EDISON	<u> </u>								LA	GRANG	Æ
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		US ROUTE 12-20-45 (LA GRANGE	ROAD) AT HARRIS AVENUE	F.A. RTE.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAI		10122	2014-019TS	соок	90	67
PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	AND EMERGENCY VEHICLE F	REEMPTION SEQUENCE			CONTRAC	T NO. 6	0Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS	STA. TO STA.		ILLINOIS			



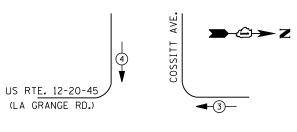
DUAL ENTRY PHASE

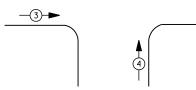
★ PEDESTRIAN PHASE SINGLE ENTRY PHASE

OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4		
MOVEMENT	—	↓ ↑		

	I. D. O. T.								
TRAFFIC SIGNAL INSTALLATION									
	ELECTRICAL SERVICE REQUIREMENTS								
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL				
		INCAND.	LED		WATTAGE				
SIGNAL (RED)	12	1 35	1 7	0.50	102				
(YELLOW)	12	1 35	25	0.25	75				
(GREEN)	12	1 35	15	0.25	45				
ARROW	0	1 35	12	0.10	0				
PED. SIGNAL	8	90	25	1.00	200				
CONTROLLER	1	100	100	1.00	100				
ILLUM. SIGN		252	25	0.05					
VIDEO SYSTEM		150	-	1.00					
FLASHER LED									
				TOTAL =	522				

ENERGY COSTS-

ENERGY SUPPLY -

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

CONTACT ILYAS MOHIUDDIN

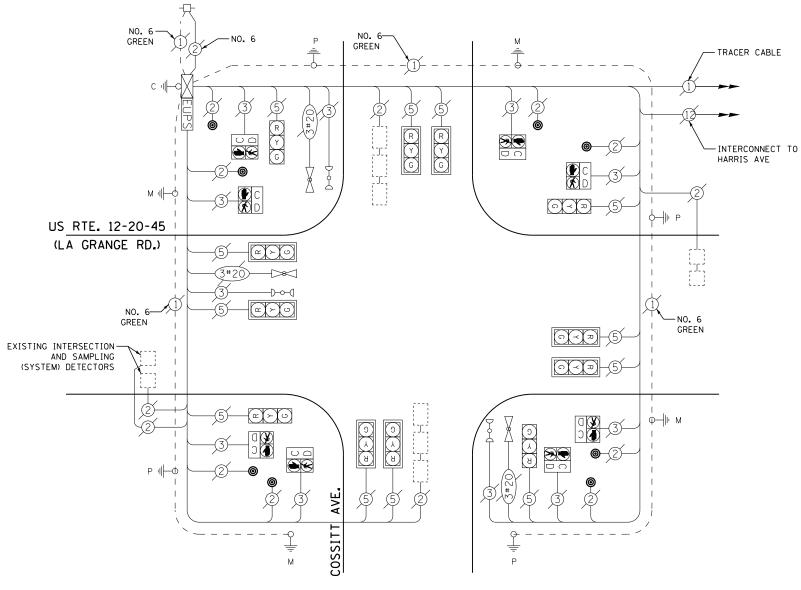
708-235-2692 COMMONWEALTH EDISON

SCHAUMBURG, IL 60196-1096

SCHEDULE OF QUANTITIES

QUANTITY	<u>UN11</u>	<u>1 I E M</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATIO
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

>2 **> ≥ × Z**



CABLE PLAN

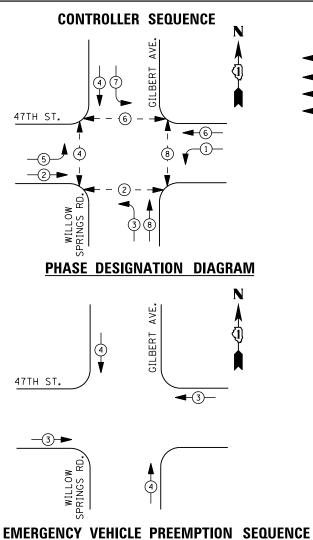
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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 PUSH-BUTTON

TS #13885 LA GRANGE

JSER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			US ROUTE 12-	-20-45 (LA GRA	ANGE F	ROAD) AT CO	DSSITT AVENUE	F.A.	SECTION	COUNTY	CHEETC	
	DRAWN -	CC	REVISED -		SCH							1112	2014-019TS	соок	90	68
PLOT SCALE = 20.000 '/ in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EM	ERGENCY	Y VEHIC	CLE PR	REEMPTION S	SEQUENCE			_	T NO. 6	60Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEE	ETS	STA.	TO STA.		ILLINOIS			
	LOT SCALE = 20.000 '/ in.	DRAWN - CHECKED -	DRAWN - CC LOT SCALE = 20.000 '/ 10. CHECKED - KMM	DRAWN - CC REVISED - LOT SCALE = 20.000 '/ in. CHECKED - KMM REVISED -	DRAWN - CC REVISED - STATE OF ILLINOIS LOT SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION	DRAWN - CC REVISED - LOT SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION SCHILLINOIS	DRAWN - CC REVISED - STATE OF ILLINOIS SCHEDULE OF QUA LOT SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION AND EM	DRAWN - CC REVISED - STATE OF ILLINOIS LOT SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION OS ROUTE 12-20-45 (SCHEDULE OF QUANTITIES, AND EMERGENCE	DRAWN - CC REVISED - LOT SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION OS ROUTE 12-20-45 (LA GR/ SCHEDULE 0F QUANTITIES, CABLE DEPARTMENT OF TRANSPORTATION AND EMERGENCY VEHIC	DRAWN - CC REVISED - STATE OF ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAN LOT SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION US ROUTE 12-20-49 (LA GRANGE SCHEDULE OF QUANTITIES, CABLE PLAN AND EMERGENCY VEHICLE PR	DRAWN - CC REVISED - LOT SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION OS ROUTE 12-20-45 (LA GRANGE ROAD) AT CL SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DES AND EMERGENCY VEHICLE PREEMPTION	DRAWN - CC REVISED - LOT SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION OS ROUTE 12-20-45 (LA GRANGE ROAD) AT CUSSITI AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE	DRAWN - CC REVISED - LOT SCALE = 20.000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION OS ROUTE 12-20-45 (LA GRANGE ROAD) AT COSSIT AVENUE RELEASED - STATE OF ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE	DRAWN - CC REVISED - LOT SCALE = 20,000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DEPARTMENT OF TRANSPORTATION OS ROUTE 12-20-45 (LA GRANGE ROAD) AT COSSITI AVENUE RTÉ. SECTION SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE 2014-019TS	DRAWN - CC REVISED - LOT SCALE = 20.000 1/ In. CHECKED - KMM REVISED - STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DEPARTMENT OF TRANSPORTATION OS ROUTE 12-20-45 (LA GRANGE ROAD) AT COSSTIT AVENCE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE RTÉ. SECTION COUNTY CONTRACT CONT	SER NAME = _USERNAME _ DESIGNED - DW REVISED - DW REVISED - STATE OF ILLINOIS DRAWN - CC REVISED - STATE OF ILLINOIS LOT SCALE = 20,000 1/ In. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DESIGNED - DW REVISED - DW REVISED - COUNTY STATE OF ILLINOIS SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE F.A. SECTION COUNTY SHEETS COUNTY OF TRANSPORTATION COUNTY STATE OF ILLINOIS AND EMERGENCY VEHICLE PREEMPTION SEQUENCE F.A. RTE. SECTION COUNTY SHEETS COUNTY STATE OF ILLINOIS COUNTY STATE OF ILLINOIS COUNTY STATE OF ILLINOIS AND EMERGENCY VEHICLE PREEMPTION SEQUENCE COUNTRACT NO.



EMERGENCY VE	HICLE PRE	EEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4		
MOVEMENT	—	↓ ↑		

	TRAFFIC S	I GNAL I	NSTALLA	TION					
	ELECTRICAL SERVICE REQUIREMENTS								
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL				
		INCAND.	LED		WATTAGE				
SIGNAL (RED)	12	1 35	1 7	0.50	102				
(YELLOW)	12	1 35	25	0.25	75				
(GREEN)	12	1 35	15	0.25	45				
ARROW	16	1 35	12	0.10	20				
PED. SIGNAL	8	90	25	1.00	200				
CONTROLLER	1	100	100	1.00	100				
ILLUM. SIGN		252	25	0.05					
VIDEO SYSTEM		150	-	1.00					
FLASHER LED									
				TOTAL =	542				

I. D. O. T.

BILLED TO: IDOT DISTRICT 1 ENERGY COSTS-201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096 ENERGY SUPPLY -CONTACT ILYAS MOHIUDDIN 708-235-2692

COMMONWEALTH EDISON

REPLACE 10 FT. PAINTED POST. RE-USE EXISTING LEGEND TYPE A CONCRETE FOUNDATION.

DUAL ENTRY PHASE PEDESTRIAN PHASE

SINGLE ENTRY PHASE

NUMBER REFERS TO

ASSOCIATED PHASE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

47TH STREET AT WILLOW SPRINGS ROAD SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE SHEET NO. OF SHEETS STA.

COUNTY SHEETS NO.

COOK 90 69 COUNTY

REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. GILBERT REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. GREEN REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. 47TH ST. GREEN -EXISTING INTERSECTION AND SAMPLING EXISTING INTERSECTION -(SYSTEM) DETECTORS AND SAMPLING (SYSTEM) DETECTORS φ--∥⊩ м -TRACER CABLE INTERCONNECT TO EDGEWOOD AVE. GREEN PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

CABLE PLAN

SCHEDULE OF QUANTITIES

<u>UANTITY</u>	<u>UNIT</u>	<u>I TEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	RELOCATE EXISTING SIGNAL HEAD
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOVE AND REPLACE ANCHOR BOLTS
4	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.

EACH PEDESTRIAN PUSH-BUTTON

SIGNAL POST 1 EACH

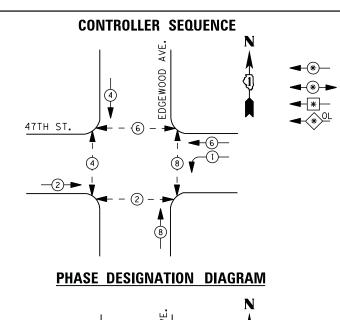
> TS #13890 LA GRANGE

	9
	SING
	168-011
	PTB
FILE NAME =	M:\proj\1481\2103

USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED -
	DRAWN	-	CC	REVISED -
PLOT SCALE = 20.000 '/ in.	CHECKED	-	КММ	REVISED -
DLOT DATE - E/12/2014	DATE			DEVICED

SCALE: N.T.S.

SECTION 2014-019TS CONTRACT NO. 60Y05



NUMBER REFERS TO

ASSOCIATED PHASE

REPLACE 14 FT. PAINTED POST. RE-USE EXISTING DUAL ENTRY PHASE TYPE A CONCRETE FOUNDATION. PEDESTRIAN PHASE

REPLACE 15 FT. PAINTED POST. RE-USE EXISTING SINGLE ENTRY PHASE TYPE A CONCRETE FOUNDATION.

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

1 REPLACE 10 FT. PAINTED POST. RE-USE EXISTING

TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

GREEN EDGEWOOD 47TH ST. INTERCONNECT TO WILLOW SPRINGS RD./GILBERT AVE. - TRACER CABLE TRACER CABLE INTERCONNECT TO -NO. 6 GREEN BRAINARD AVE.

CABLE PLAN

EMERGENCY VEHICLE PREEMPTOR MOVEMENT

EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTION SEQUENCE

I. D. O. T.

-	TRAFFIC SIGNAL INSTALLATION										
ELECTRICAL SERVICE REQUIREMENTS											
5 0 0	TYPE	NO. LAMPS	WAT INCAND.	TAGE LED	% OPERATIONS	TOTAL WATTAGE					
515	SIGNAL (RED)	12	1 35	1 7	0.50	102					
9	(YELLOW)	12	1 35	25	0.25	75					
3	(GREEN)	12	1 35	15	0.25	45					
j	ARROW	4	1 35	12	0.10	5					
5	PED. SIGNAL	8	90	25	1.00	200					
5	CONTROLLER	1	100	100	1.00	100					
5	ILLUM. SIGN		252	25	0.05						
5	VIDEO SYSTEM		150	-	1.00						
2											

ENERGY COSTS-

ENERGY SUPPLY -

FLASHER LED

47TH ST.

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

SCHAUMBURG, IL 60196-1096 CONTACT ILYAS MOHIUDDIN

TOTAL =

708-235-2692 COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
2	EACH	RELOCATE EXISTING SIGNAL HEAD
2	EACH	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOVE AND REPLACE ANCHOR BOLTS
4	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6 PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8

PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

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 PUSH-BUTTON 2 EACH SIGNAL POST

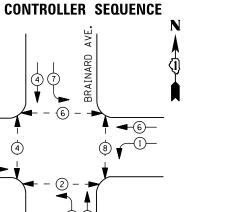
TS #13895

COMMONWEALTH EDISON													LA C	GRANGE	
	USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -	47TH STREET AT EDGEWOOD AVENUE F,A					47TH STREET AT EDGEWOOD AVENUE				COUNTY	TOTAL SHEET
		DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE						2014-019TS	соок	90 70	
	PLOT SCALE = 20.000 ' / in.	CHECKED -	KMM	REVISED -	DEPARTMENT OF TRANSPORTATION								NO. 60Y05		
	PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS			STA.	TO STA.		ILLINOIS			



47TH ST.

4-6)—



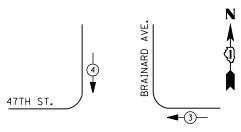
LEGEND

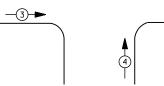
DUAL ENTRY PHASE **★** PEDESTRIAN PHASE

SINGLE ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4				
MOVEMENT	←	↓ †				

		1. D. O.										
	TRAFFIC SIGNAL INSTALLATION											
ELECTRICAL SERVICE REQUIREMENTS												
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL							
		INCAND.	LED		WATTAGE							
SIGNAL (RED)	12	1 35	17	0.50	102							
(YELLOW)	12	1 35	25	0.25	75							
(GREEN)	12	1 35	15	0.25	45							
ARROW	12	1 35	12	0.10	15							
PED. SIGNAL	8	90	25	1.00	200							
CONTROLLER	1	1 00	1 00	1.00	100							
ILLUM. SIGN		252	25	0.05								
VIDEO SYSTEM		150	-	1.00								
FLASHER LED												
				TOTAL =	537							

ENERGY COSTS-

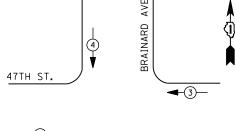
BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -

CONTACT ILYAS MOHIUDDIN PHONE 708-235-2692

COMMONWEALTH EDISON





EMERGENCY VE	HICLE PRE	EMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	—	

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
4	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

47TH ST.

TRACER -

CABLE

INTERCONNECT TO

EDGEWOOD AVE.

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

NOTES:
PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

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 PUSH-BUTTON

TS #13900 LA GRANGE

<u>'</u>															
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		47TH STREET AT BRAINARD AVENUE					F.A.	SECTION	COUNTY	TOTAL	SHEET	
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHI	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM						2014-019TS	соок	90	71
PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE						CONTRAC	T NO. 6	OY05		
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO ST			TO STA.	ILLINOIS						

GREEN

AVE.

BRAINARD

GREEN

CABLE PLAN

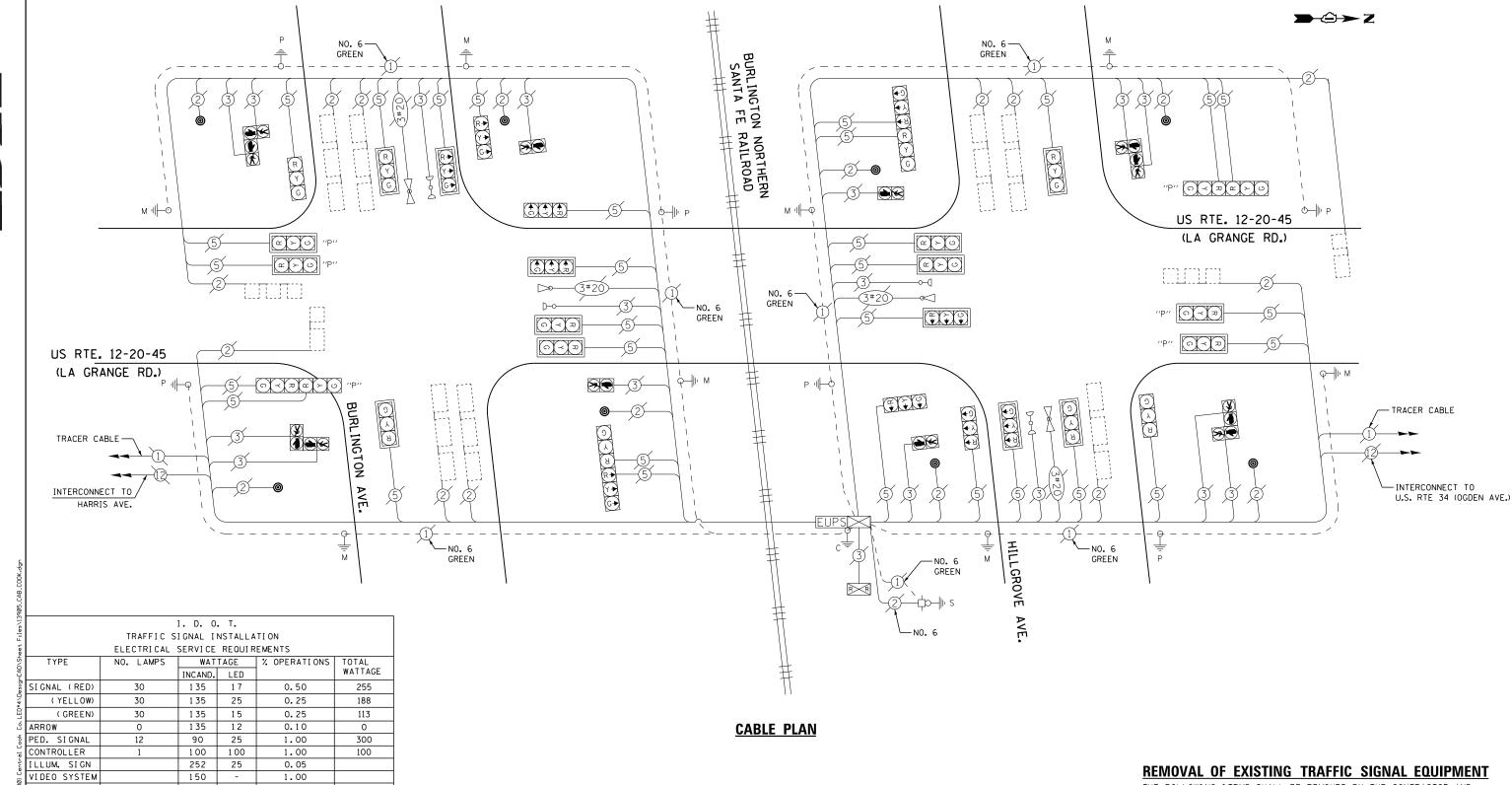
OEE-5

OT -5

FLASHER LED

ENERGY COSTS-

ENERGY SUPPLY -



SCHEDULE OF QUANTITIES

TOTAL =

201 WEST CENTER COURT

SCHAUMBURG, IL 60196-1096

BILLED TO: IDOT DISTRICT 1

CONTACT ILYAS MOHIUDDIN

708-235-2692

PHONE

 QUANTITY
 UNIT
 ITEM

 1
 EACH
 MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

 1
 EACH
 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

 8
 EACH
 PEDESTRIAN PUSH-BUTTON, NON-LATCHING

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 PUSH-BUTTON

TS #13905 LA GRANGE (SH. 1)

COMMONWEALTH EDISON										LA	GRANGE	(SH.	1)
	USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		IIS DOUTE 12	20–45 (LA GRANGE ROAD) AT BURLINGTON	AVENUE /UILLODOVE AVENUE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	
		DRAWN -	СС	REVISED -	STATE OF ILLINOIS	03 NOUTE 12-4	SCHEDULE OF QUANTITIES AND CAB		2014-019TS	соок	90	72	
	PLOT SCALE = 20.000 '/ in.	CHECKED -	KMM	REVISED -	DEPARTMENT OF TRANSPORTATION	300000000000000000000000000000000000000					CONTRACT	NO. 6	JY05
	PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO. 1 OF 2 SHEETS STA.	TO STA.		ILLINOIS			

•		×Z.	TOWNE	1 2	AVE	-		-	WILL GRE	0	-		LCROVE	2			HILL	LOROVE	120	AVE.									HILLSH	OVE	21	AVE.						HELLEN	0	-	VE.
MOVEMENT 4			RLINGTON		avę.	-							T WE INST	4!			8.7	BLINGTON	+41	AVE									3,4,5	410×	<u>;</u>	AVE						BUALD	NOTIN N		-
PHASE		_	_	1 + 5				P		1 + 6				+ 5					2 + 6												3							-	4		
INTERVAL	1	2A	23	3A	38	4A	48	5	5	7A	78	8	9	10A	108	11 1	2 1	3A 13	38 14/	148	140	140	15	16A	168	160	160	17A 1	78	70	170	ABI	188	18C	18D	19A	198	20	21 2	22A 2	228
CHANGE TO	/	1	+6	2-	+5	2.	+6	9/	*	2+	6	*/	*	2+6	,	1	1	3			4					+ 5 4			1 +	6			2 +	- 5		2 +	- 6	/	/	1+5 1 2+5 3	
U.S. 12-20-45 AT HILLGROVE AVE. N/B ALL SIGNALS	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G (1	G	G G	G	Y	R	G	G	G	Y	R	G	G	Y	R	G	G	G	G	G	G	R	R	R	R
U.S. 12-20-45 AT BURLINGTON AVE. N/B NEAR RIGHT, RIGHT AND MIDDLE MAST ARM SIGNALS	R	R	Я	R	R	R	R	R	R	R	R	G	G	G	G	G (,	Y 1	RY	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	F	R	R
LS. 12-20-45 AT BURLINGTON AVE. N/B	→ G	-Y	→R	→ G	- G	- Y	→R	→R	→R	→ R	→ R	→ G	→ G	→ Y -	◆R -	R -	R	• R -	• R 🚤	R	R	→ R	→R	→R	→R	→R	→R	→R -	◆R ·	→R	→R	→R	→ R	→ R	→R	→R	→ R	→R	→ R -	→ R -	→R -
J.S. 12-20-45 AT HILLGROVE AVE S/B NEAR RIGHT, RIGHT AND MIDDLE MAST ARM SIGNALS	R	R	R	R	R	R	R	G	G	G	G	R	R	R	R	G	G	Y	R Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
LS. 12-20-45 AT HILLGROVE AVE. S/B FAR LEFT AND END MAST ARM SIGNALS	→ 0	→ G	→ G	-Y	→ R	-Y	→ R	→G	→G	→ Y	→ R	→R	→ R	→R -	◆R -	R -	R	• R -	+R →	R - R	-R	-R	→R	→R	→R	→ R	→R	R -	→R	→R	→R	→R	→ R	→ R	→R	→R	→ R	→ R	→R	→ R -	+ R -
J.S. 12-20-45 AT BURLINGTON AVE. S/B NLL SIGNALS	R	R	R	R	R	R	R	G	G	G	G	R	R	R	R	G	G	G	G G	G	Y	R	G	G	G	Y	R	G	G	G	G	G	G	Y	R	G	G	R	8	R	R
KILLGROVE AVE. E/B WEAR RIGHT AND FAR RIGHT SIGNALS	R -	R-	R -	R -	R-	R -	R-	R-	R-	R-	R-	R-	R -	R - R	- R	- R	R	- R	- R-	R-	R-	R-	G -	Y -	R 🖛	R-	R-	Y - F	- 1	-	R= 1	-	R-	R-	R-	Y-	R-	R-	R= F	R-R	- R
HILLGROVE AVE. E/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	2	R	R	G	6	Y	R
W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	RR	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	8	R	R	G	\$	Y	R
BURLINGTON AVE. W/B NEAR RIGHT AND FAR RIGHT SIGNALS	R-	R-	R.	R-	R-	R-	R-	R-	R-	R-	R-	R-	2-	R - R	- R	R	R	R	- R-	R-	R-	R-	G-	Y -	R-	R-	R -	Y - F	- 1	-	R- 1	-	R-	R-	R=	Y-	R -	R -	R - P	R - R	R
BURLINGTON AVE. W/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	RR	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	0	Y	R
BURLINGTON AVE. E/B ALL SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	6	Y	R
PEDESTRIAN SIGNALS CROSSING HILLGROVE/ BURLINGTON AVE ON EAST SIDE OF U.S. 12-20-45	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	***	DW	DW	DW -	mW D	FL C	DW [DW DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
PEDESTRIAN SIGNALS CROSSING HILLGROVE/ BURLINGTON AVE.ON WEST SIDE OF U.S. 12-20-45	DW	DW	DW	DW	DW	DW	DW	ww	DW	DW	DW	DW	DW	DW	DW .	-W	FL C	DW D	DW DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW			DW
PEDESTRIAN SIGNALS CROSSING U.S. 12-20-45 AT HILLGROVE AVE.	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW D	W	DW C	DW DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW		##FL		DW
PEDESTRIAN SIGNALS CROSSING U.S. 12-20-45 AT BURLINGTON AVE.	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW D	w	DW D	DW DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	EW	DW	DW	ww.	***L	DW	DW

PHASES 2+6 SHALL BE PLACED ON RECALL

- . TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
- •• FLASHING "DON'T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

W = "WALK"

FL = FLASHING "DON'T WALK"

DW = "DON'T WALK"

PHASE 2+6 SHALL BE PLACED ON RECALL

- THIS "WALK" OR FLASHING "DON'T WALK" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "WALK" OR FLASHING "DON'T WALK" INTERVALS.

PROPOSED EMERGENCY VEHICLE PREE!	мрт	ION 9	SEUII	FNCE	. OF	OPER	ΔΤΙΩ	M																																							PREEMPTOR		
CHANGE FROM NORMAL SEQUENCE OF	WIF 11	1	Luo	1	T	1			5		Т	5	В		8					11	100	Т		11					11			15	5			15		T		15			20		20			75 d p	10
OPERATION INTERVAL NUMBER EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	18	10	1D	1E	1F	1G	1H	1,1	1K	11.	1M	IN IF	10	1R	15	1T	1U	1٧	1W	1X 1	12	1AA	188	100	100	IEE :	IFF 1	GG 1H	H IJJ	1KK	1LL	1MM	INN :	IPP 1	00 IF	RR 1S	S IT	T 1UU	1VV	1WW	1XX	177	zz v	AAA	2	3	4	NORMA SEQUEN
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	18	2	10	3	1F	4	1H	1J	1K	1L	OF	3	2 1	Q 1R	15	17	OR A	1V	1W	1X	Y 2	1AA	188	100	100	3	1FF	15G 1	HH 1J	4	1LL	1MM	1NN	2	100 1	RR 15	SS 3	100	177	1WW	4	1YY	1ZZ	OR 3	4			1	○
U.S. 12-20-45 AT HILLGROVE AVE. N/B ALL SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	G G	G	G	Y	R	G	G	G	G G	G	G	G	Y	R	G	G (Y	R	G	G	G	G	G	G Y	R	G	G	Y	R	R	R	R	R	G	R	R	0
U.S. 12-20-45 AT BURLINGTON AVE. N/B NEAR RIGHT, RIGHT AND MIDDLE MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	g G	¥	R	R	R	G	G	G	GG	G	Y	R	R	R	G	Y 1	R	R	R	R	R	R	R	RR	R	. R	R	R	R	R	R	R	R	G	R	R	0
U.S. 12-20-45 AT BURLINGTON AVE. N/B FAR LEFT AND END MAST ARM SIGNALS	-	0 -0	- Y	- R	1 - Y	/ - P	- F	A A	R	→ R	-R -	-R -	-G -	G -	Y -	-R	→ R	→ R	→ R -	→R -	→ R	R	₽R	→R	→R	→R	→R -	+R -	R -	R -F	R→R	→R	→R	→R -	→R →	R -	R -	R	R -F	₹	→R	→R	→R -	→ R	→R	→ G	→ R	→R	•
U.S. 12-20-45 AT HILLGROVE AVE S/B NEAR RIGHT, RIGHT AND MIDDLE MAST ARM SIGNALS		R	R	R	R	R	G	Y	R	R	R	G	RF	R	R	R	R	G	Y	R	RF	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	RR	R	R	R	R	R	R	R	R	R	R	G	R	0
J.S. 12-20-45 AT HILLGROVE AVE. S/B	-	Y -R	- G	-0	3 -1	r - R	-	G -Y	→R	→R	→R -	→ G -	R -	R	R	R	→R	→R	→R	→R -	→R -	R	R →R	→R	→R	→R -	R -	◆R -	R -	R -F	R→R	→R	→R	→ R -	→ R -	•R →	R -	R →	R -F	R -R	→R	→R	→R -	→ R -	→R	→R	→G	→R	0
U.S. 12-20-45 AT BURLINGTON AVE. S/B ALL SIGNALS	R	R	R	R	R	R	G	G	G	Y	R	G	R F	R	R	R	R	G	G	G	Y	G	G	G	G	G	G	G	G Y	R	G	G	Y	R	G	G (G G	G	G	Y	R	R	R	R	R	R	G	R	0
HILLOROVE AVE. E/B NEAR RIGHT AND FAR RIGHT SIGNALS	R-	R-	R-	R -	R-	R -	R -	R -	R-	R 🖚	R ← R	R	- R	- R-	- R -	R -	R-	R-	Y - 1	R F	- R+	R-	R=	R-	R-	R - F	₹ - F	R-R	- R -	R =	Y -	R-	R-	2-	r = R	- R	- R+	- Y-	- R -	R -	R-	R-	R-F	2 - 8	-	R -	R≠	R-	
HILLGROVE AVE. E/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R F	R	R	R	R	R	R	R	RF	R	R	R	R	R	R	R	RR	R	R	R	R	R	R	R	R R	R	R	R	R	G	Y	R	G	R	R	G	\Q
HILLGROVE AVE. W/B	R	R	R	R	R	R	R	R	R	R	R	R	RF	R	R	R	R	R	R	R	R F	R	R	R	R	R	R	R	RR	R	R	R	R	R	R	R	R R	R	R	R	R	G	Y	R	G	R	R	G	0
BURLINGTON AVE. W/B NEAR RIGHT AND FAR RIGHT SIGNALS	R.	R-	R -	R =	R .	R-	R -	R.	R-	R-	R - R	2 - R	- R+	- R-	- R -	R -	R -	R-	R-	R - F	- R	- R-	R -	R 📥	R-	R-	R - F	R	- R-	R -	Y-	R-	R -	2-	Y - R	- R	- R+	Y =	R -	R -	R-	R-	R - F	- 1	-	R-	R ►	R-	♦
BURLINGTON AVE. W/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R F	R	R	R	R	R	R	R	RF	R	R	R	R	R	R	R	RR	R	R	R	R	R	R	R	R R	R	R	R	R	G	Y	R	G	R	R	G	•
BURLINGTON AVE. E/B ALL SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R F	R	R	R	R	R	R	R	RF	R	R	R	R	R	R	R	RR	R	R	R	R	R	R	R	RF	R	R	R	R	G	Y	R	G	R	R	G	\Q
PEDESTRIAN SIGNALS CROSSING HILLGROVE/ BURLINGTON AVE. ON EAST SIDE OF U.S. 12-20-45	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DV	DW E	L FI	W DY	V DW	DW	DW	FL	DW	DW	DW D	W FL		DW	DW		FL DW	DW I	W DV	DW	DW	DW	DW	DW	DW I	D W D	W D	V DW	V DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	\Q
PEDESTRIAN SIGNALS CROSSING HILLGROVE/ BURLINGTON AVE. ON WEST SIDE OF U.S. 12-20-45	DW	DW	DW	DW	DW	DW	FL	DW	DW	DW	DW	FL DW	D WC	w DV	V DW	DW	DW	FL	DW	DW	DW D	W FL		DW	DW		FL DW	DW I	DW DI	W DW	DW	DW	DW	DW	DW I	OW D	W D	W DW	W DW	DW	DW		DW	DW	DW	DW	DW	DW	-
PEDESTRIAN SIGNALS CROSSING U.S. 12-20-45 AT HILLGROVE AVE.	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW I	DW D	W DV	DW	DW	DW	DW	DW	DW	DW D	w Dw	DW.	DW	DW	DW	DW	DW I	DW DI	V DW	DW	DW	DW	DW	DW (OW D	W D		-	DW	+	DW	-	DW	FL DW	DW	DA	DW	0
PEDESTRIAN SIGNALS CROSSING U.S. 12-20-45 AT BURLINGTON AVE.	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW I	DW D	w Dy	DW	DW	DW	DW	DW	DW	DW D	W DW	DW	DW	DW	DW	DW	OW I	OW DI	V DW	DW	DW	DW	DW	DW I	DW D	W D	W DW	N DW	NG N	DW	FL	DW	DW	FL DW	DW	DW	DW	\Q

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LA GRANGE ROAD AT BURLINGTON AVENUE /HILLGROVE AVENUE
SEQUENCE OF OPERATION AND
EMERGENCY VEHICLE PEEMPTION SEQUENCE OF OPERATION

SHEET NO. OF SHEETS STA. TO STA.

SCALE: N.T.S.

 LA GRANGE
 (SH. 2)

 SECTION
 COUNTY SHEETS WO.

 2014-019TS
 COOK 90 73

 CONTRACT NO. 60Y05

TS #13905



7	
THE PERSON NAMED IN	

PROPOSED RAILROAD PREEMPTION SEC	UENC	E OF	OPE	RATI	ON									MPTOR BER 3		MPTOR BER 4		MPTOR BER 5	PREEMPTOR NUMBER 2				
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER		1		5 .	1	3	1	1	1	5	2	0					2017/09/09 12	• [4]	THE PLANT				
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	10 (50				1112	The same	75					di:		2		3		4					
RAILROAD PREEMPTION SECUENCE OF OPERATION INTERVAL NUMBER	1 A	1B	10	10	1E	1F	1 G	1H	1J	11	1L	1 M	1N	1P	10	1R	15	11	2	3	4	5	CLEAR TO
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	18	2	10	2	1F	2	1H	2	1K	2	1 M	2	18	2	1R	2	17	2	3	4	5	15	SEQUENCE
U.S. 12-20-45 AT HILLGROVE AVE. N/8 ALL SIGNALS	R	R	R	R	G	G	G	G	G	G	R	R	G	G	R	R	R	R	G	Y	R	R	Δ.
U.S. 12-20-45 AT BURLINGTON AVE. N/8 NEAR RIGHT, RIGHT AND MIDDLE MAST ARM SIGNALS	R	R	R	R	Y	R	Y	R	R	R	R	R	Y	R	R	R	R	R	· R	R	R	R	Δ
U.S. 12-20-45 AT BURLINGTON AVE. N/8 FAR LEFT AND END MAST ARM SIGNALS	→Y	→R	→R	→R	→Y	→R	→ R	→R	→R	→R	→R	→R	- Y	→R	→ R	→R	₩R	→R	→R	→R	→R	→R	Δ
U.S. 12-20-45 AT HILLGROVE AVE S/8 NEAR RIGHT, RIGHT AND MIDDLE MAST ARM SIGNALS	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	Δ
U.S. 12-20-45 AT HILLGROVE AVE. S/8 FAR LEFT AND END MAST ARM SIGNALS	→Y	→R	-Y	→R	→R	→R	→ R	→R	→R	→ R	→R	→R	→R	→R	- Y	→R	→R	→R	→R	→R	→ R	→R	Δ
U.S. 12-20-45 AT BURLINGTON AVE. S/8 ALL SIGNALS	R	R	G	G	R	R	G	C	G	G	R	R	R	R	G	G	R	R	G	Y	R	R	Δ
HILLGROVE AVE. E/8 NEAR RIGHT AND FAR RIGHT SIGNALS	R-	R-	R-	R-	R-	R-	R -	R -	Y ==	R-	R-	R-	R.	R-	R-	R-	R-	R -	R -	R -	R -	R -	Δ
HILLGROVE AVE. E/8 FAR LEFT AND MAST ARM SIGNALS	R.	R	R	R	R	R	R	R	-R	R	Y	R	R	R	R	R	Y	R	R	R	R	G	Δ
HILLGROVE AVE. W/3 ALL SIGNALS	R	R	R	R	R	R	R	R	я,	R	Y	R	R	R	R	R	Y	R	R	R	R	G	Δ
BURLINGTON AVE. W/B NEAR RIGHT AND FAR RIGHT SIGNALS	R-	R-	R -	R -	R -	R -	R-	R -	Y -	R.	R -	R -	R -	R-	R-	R-	R -	R -	R →	R-	R-	R.	Δ
BURLINGTON AVE. W/8 FAR LEFT AND MAST ARM SIGNALS	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Y	R	R	R	R	G	Δ
BURLINGTON AVE. E/8 ALL SIGNALS	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Y	R	R	R	R	G	Δ
PEDESTRIAN SIGNALS CROSSING HILLGROVE/ BURLINGTON AVE. ON EAST SIDE OF U.S. 12-20-45	DW	DW	DW	DW	FL	DW	FL	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	Δ
PEDESTRIAN SIGNALS CROSSING HILLGROVE/ BURLINGTON AVE. ON WEST SIDE OF U.S. 12-20-45	DW	DW	FL	DW	DW	DW	FL	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	Δ
PEDESTRIAN SIGNALS CROSSING U.S. 12-20-45 AT HILLGROVE AVE.	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	FL	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	Δ
PEDESTRIAN SIGNALS CROSSING U.S. 12-20-45 AT BURLINGTON AVE.	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	FL	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	Δ

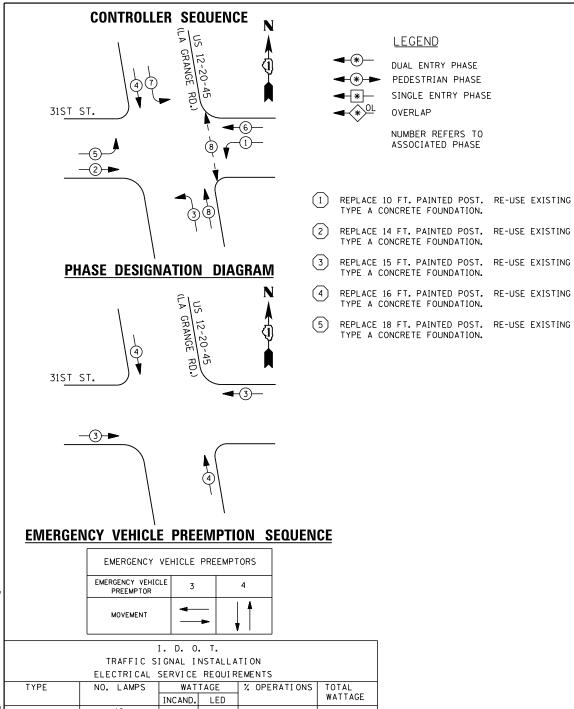
A RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

TS #13905 LA GRANGE (SH. 3)

COUNTY TOTAL SHEET NO.

COOK 90 74

CONTRACT NO. 60Y05 USER NAME = _USERNAME_ DESIGNED -DW REVISED SECTION LA GRANGE ROAD AT BURLINGTON AVENUE /HILLGROVE AVENUE RAILROAD PREEMPTION SEQUENCE OF OPERATION STATE OF ILLINOIS DRAWN CC REVISED 2014-019TS **DEPARTMENT OF TRANSPORTATION** PLOT SCALE = 20.000 '/ in. CHECKED REVISED PLOT DATE = 5/13/2014 DATE REVISED SCALE: N.T.S. SHEET NO. OF SHEETS STA.



	EMERGENCY VEHIC PREEMPTOR	LE 3		4	
	MOVEMENT	_	→	†	
		. D. O			
	TRAFFIC SI	GNAL I	NSTALL#	ATION	
	ELECTRICAL S	SERVICE	REQUIF	REMENTS	
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL
		INCAND.	LED		WATTAGE
IGNAL (RED)	16	1 35	1 7	0.50	136
(YELLOW)	16	1 35	25	0.25	100
(GREEN)	16	1 35	15	0.25	60
RROW	16	1 35	12	0.10	20
ED. SIGNAL	2	90	25	1.00	50
ONTROLLER	1	100	1 00	1.00	100
LLUM. SIGN		252	25	0.05	
IDEO SYSTEM		150	-	1.00	
LASHER LED					
				TOTAL =	466

BILLED TO: IDOT DISTRICT 1

CONTACT JOE STACHO

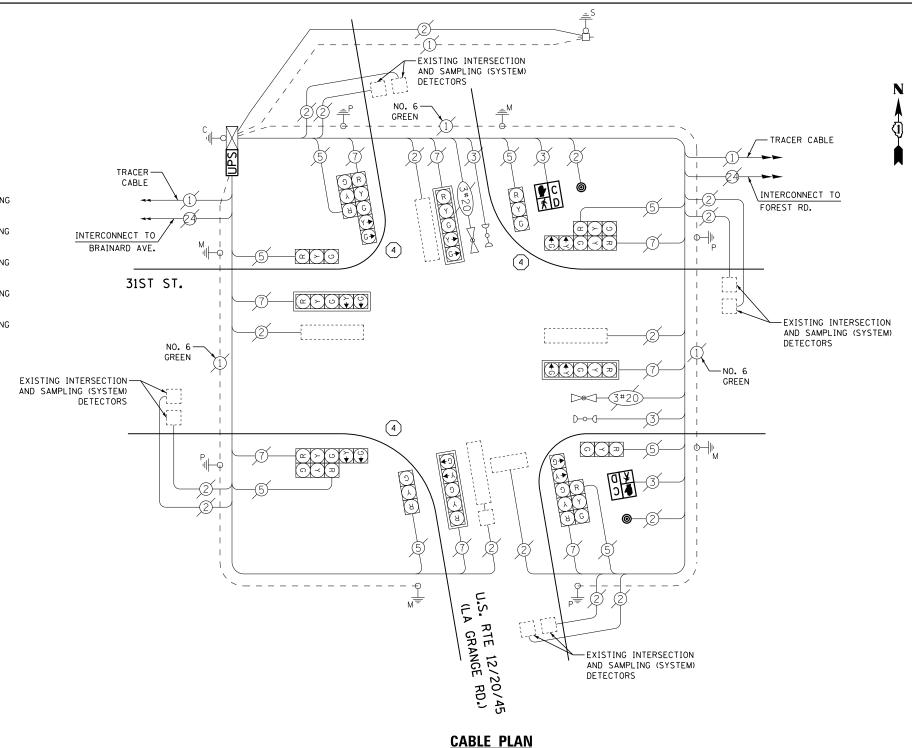
630-424-5704

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

COMMONWEALTH EDISON

ENERGY COSTS-

ENERGY SUPPLY -



SCHEDULE OF QUANTITIES

QUANTITY	<u>UNIT</u>	ITEM
1	FACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
6	EACH	RELOCATE EXISTING SIGNAL HEAD
2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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.

EACH PEDESTRIAN SIGNAL HEAD EACH PEDESTRIAN PUSH-BUTTON

2 EACH 3 EACH SIGNAL POST

> TS #1025 LA GRANGE PARK

USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED -
	DRAWN	-	CC	REVISED -
PLOT SCALE = 20.000 '/ in.	CHECKED	-	KMM	REVISED -
PLOT DATE = 5/13/2014	DATE	-		REVISED -

LEGEND

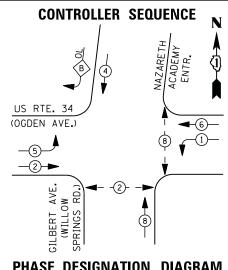
DUAL ENTRY PHASE PEDESTRIAN PHASE

SINGLE ENTRY PHASE

NUMBER REFERS TO

ASSOCIATED PHASE

		L,	- OIVAIN	,	1111
US ROUTE 12–20–45 (LA GRANGE ROAD) AT 31ST STREET	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE		2014-019TS	соок	90	75
AND ENERGENCY VEHICLE PREENIFIEN SEQUENCE			CONTRAC	T NO. 6	0Y05
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS			



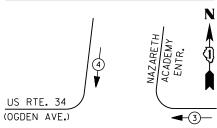
DUAL ENTRY PHASE PEDESTRIAN PHASE

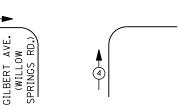
SINGLE ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE

RIGHT	TURN	OVERLAP	PHASE	DESIGNATION	
OVER	LAP	PERMISS	SIVE	PROTECTED	
LETTE	ER	PHASE		PHASE	
В	_	1		F	

PHASE DESIGNATION DIAGRAM





EMERGENCY VEI	HICLE PREE	MPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	

	TRAFFIC 5	I GNAL I	NSIALLA	IION	
	ELECTRI CAL	SERVI CE	REQUIR	EMENTS	
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL
		INCAND.	LED		WATTAGE
SIGNAL (RED)	12	1 35	1 7	0.50	102
(YELLOW)	12	1 35	25	0.25	75
(GREEN)	12	1 35	15	0.25	45
ARROW	12	1 35	12	0.10	15
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	
VIDEO SYSTEM		150	-	1.00	
FLASHER LED					

I. D. O. T.

TRAFFIC SIGNAL INSTALLATION

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

TOTAL =

ENERGY SUPPLY -

CONTACT JOE STACHO

630-424-5704 COMMONWEALTH EDISON

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PREE	MPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↓ †

SCHEDULE	0F	QUANTITIES

<u>UN I T</u>

EACH

EACH

EACH

EACH

FACH

EACH

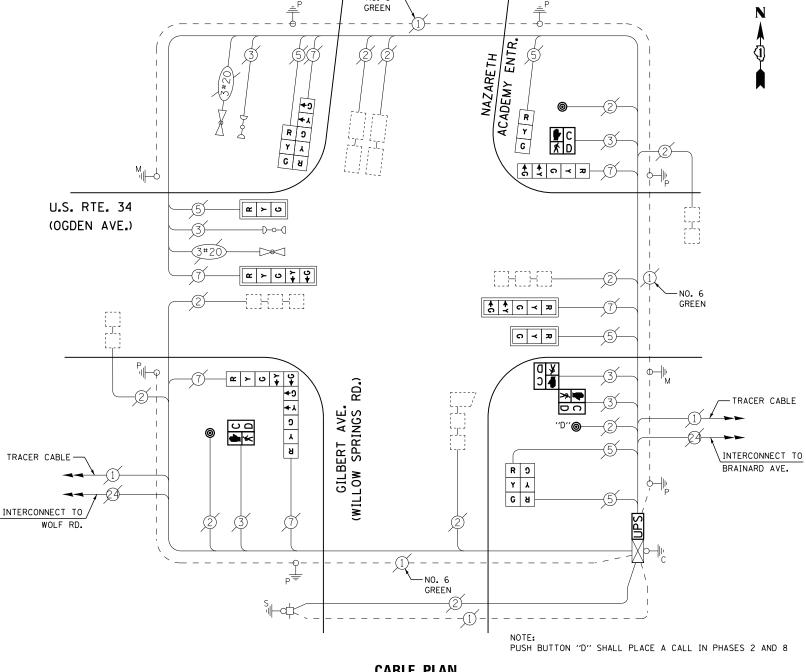
FΔCH

FACH

EACH

EACH

QUANTITY



NO. 6-

CABLE PLAN

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

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.

- EACH PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON 3 EACH

TS #1465 LA GRANGE PARK

USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED -	
	DRAWN	-	CC	REVISED -	ı
PLOT SCALE = 20.000 '/ in.	CHECKED	-	КММ	REVISED -	İ
PLOT DATE = 5/13/2014	DATE	-		REVISED -	ĺ

437

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER

SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT

SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT

SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED RETROFIT

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

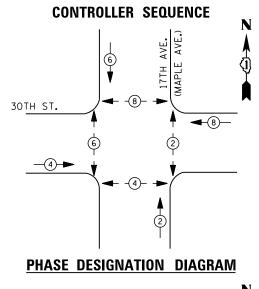
MODIFY EXISTING CONTROLLER CABINET

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

UNINTERRUPTABLE POWER SUPPLY, SPECIAL

PEDESTRIAN PUSH-BUTTON, NON-LATCHING

								L /	- OIVAING	,_ ,	71111
		E 34 (OGDEN					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	
ı	SCHEI				.,	DESIGNATION DIAGRAM N SEQUENCE		2014-019TS	СООК	90	76
ı			NGENUT	VEHICLE P	KEEWIPIJUI	N SEGUENCE			CONTRACT	NO. 6	0Y05
	SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS	•		



OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE

DUAL ENTRY PHASE 2 REPLACE 14 FT. PAINTED POST. RE-USE EXISTING PEDESTRIAN PHASE TYPE A CONCRETE FOUNDATION.

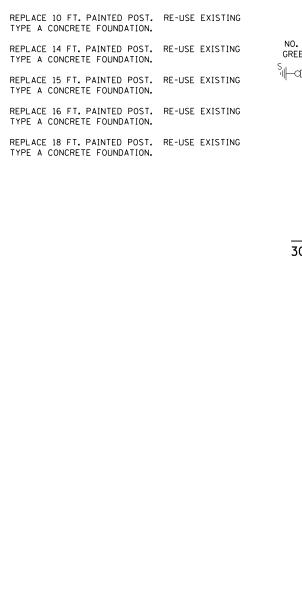
SINGLE ENTRY PHASE

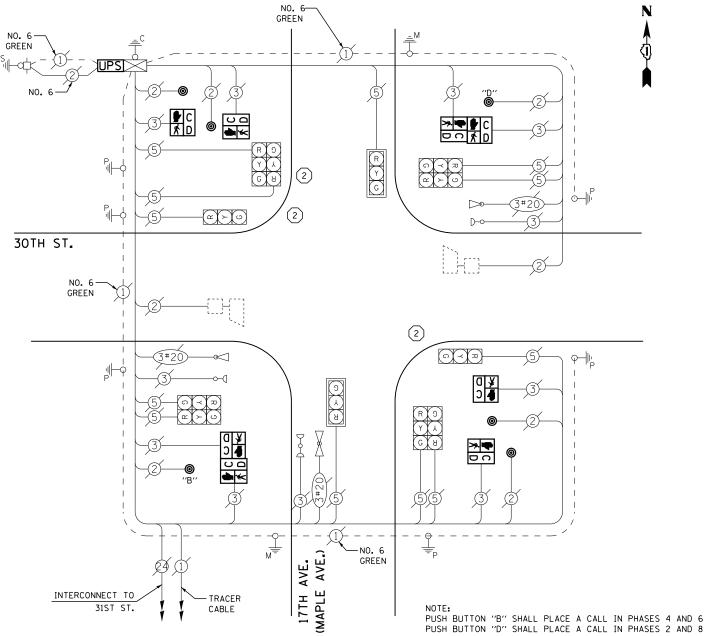
(3) REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

TYPE A CONCRETE FOUNDATION.

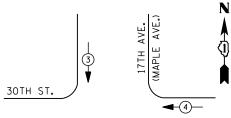
REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

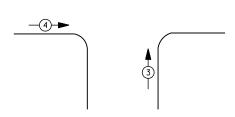
REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.





CABLE PLAN





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↓ ↑	

	TRAFFIC SIGNAL INSTALLATION									
	ELECTRICAL	SERVI CE	REQUIR	EMENTS						
TYPE	PE NO. LAMPS WATTAGE % OPERATION									
		INCAND.	LED		WATTAGE					
SIGNAL (RED)	12	1 35	1 7	0.50	102					
(YELLOW)	12	1 35	25	0.25	75					
(GREEN)	12	1 35	15	0.25	45					
ARROW	0	1 35	12	0.10	0					
PED. SIGNAL	8	90	25	1.00	200					
CONTROLLER	1	1 00	100	1.00	100					
ILLUM. SIGN		252	25	0.05						
VIDEO SYSTEM		150	-	1.00						
FLASHER LED										
				TOTAL =	522					

I. D. O. T.

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -

CONTACT JOE STACHO 630-424-5704

COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
4	EACH	RELOCATE EXISTING SIGNAL HEAD
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
6	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

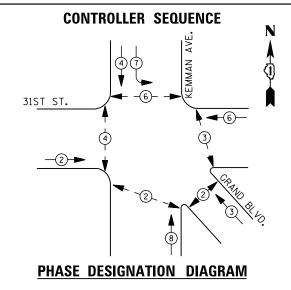
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

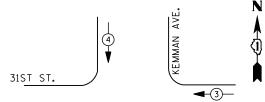
8 EACH PEDESTRIAN SIGNAL HEAD

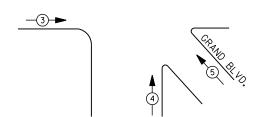
6 EACH PEDESTRIAN PUSH-BUTTON
3 EACH SIGNAL POST

TS #3693 LA GRANGE PARK

USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -				30TH ST	REET AT	MAPLE AV	ENUE	F.A. RTF	SECTION	COUNTY	TOTAL SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM					1,1,2,1	2014-019TS	соок	90 77	
PLOT SCALE = 20.000 '/ in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE					CONTRACT	NO. 60Y05			
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	S STA.	TO STA.		ILLINOIS		







EMERGENCY VEHICLE PREEMPTION SEQUENCE

I. D. O. T.

EMERGENO	Y VEHICLI	E PREEMPTOR	RS		
EMERGENCY VEHICLE PREEMPTOR	3	4	5		
MOVEMENT	+	↓ ↑	*		

	TRAFFIC S.	I GNAL I	NSTALLA	IION					
ELECTRICAL SERVICE REQUIREMENTS									
TYPE	NO. LAMPS	% OPERATIONS	TOTAL						
			WATTAGE						
SIGNAL (RED)	17	1 35	1 7	0.50	145				
(YELLOW)	17	1 35	25	0.25	107				
(GREEN)	17	1 35	15	0.25	64				
ARROW	4	1 35	12	0.10	5				
PED. SIGNAL	10	90	25	1.00	250				
CONTROLLER	1	100	100	1.00	100				
ILLUM. SIGN		252	25	0.05					
VIDEO SYSTEM		150	-	1.00					

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

TOTAL =

ENERGY SUPPLY -

ENERGY COSTS-

FLASHER LED

CONTACT JOE STACHO

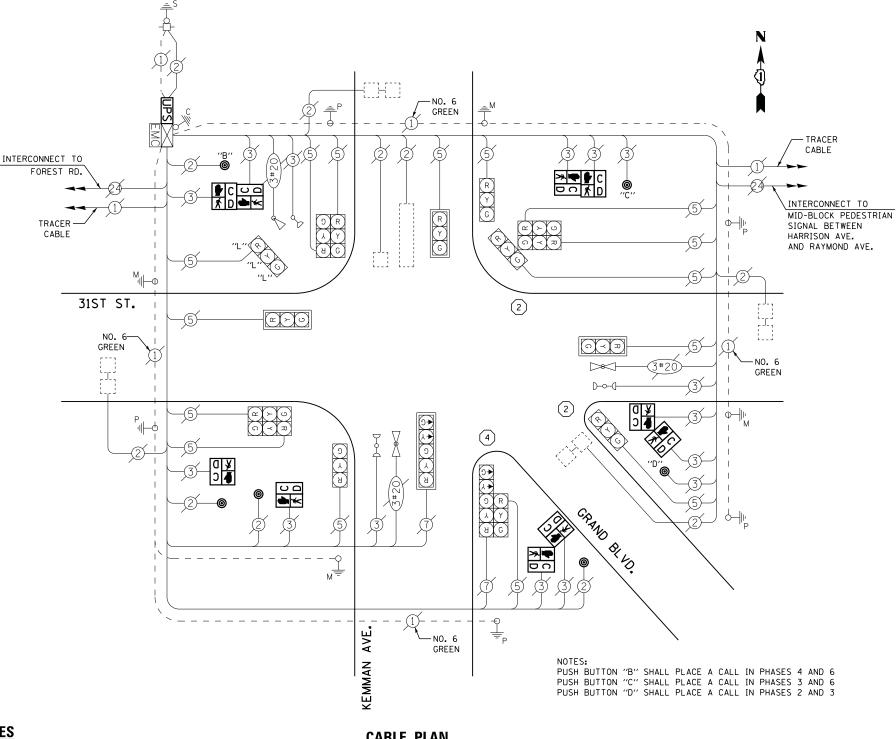
630-424-5704 COMMONWEALTH EDISON

LEGEND

DUAL ENTRY PHASE PEDESTRIAN PHASE SINGLE ENTRY PHASE

> NUMBER REFERS TO ASSOCIATED PHASE

- REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.



SCHEDULE OF QUANTITIES

CABLE PLAN

SCALE: N.T.S.

		_
<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
6	EACH	RELOCATE EXISTING SIGNAL HEAD
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
6	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.

10 EACH PEDESTRIAN SIGNAL HEAD 6 EACH 3 EACH PEDESTRIAN PUSH-BUTTON

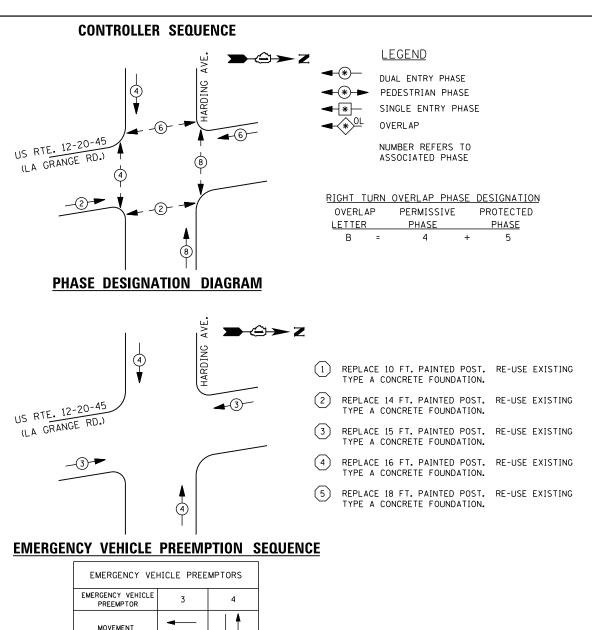
SIGNAL POST

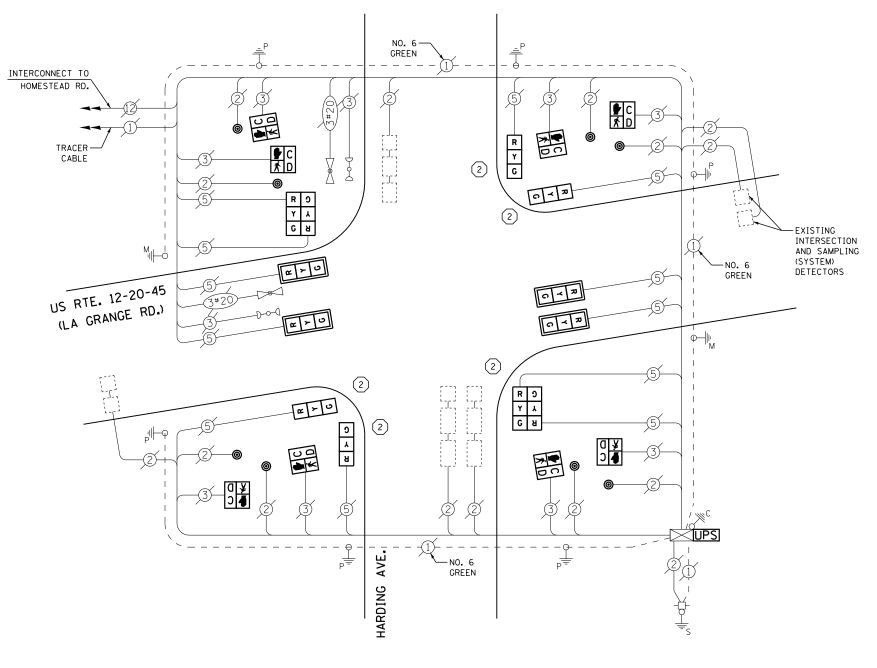
TS #3770 LA GRANGE PARK

USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED -
	DRAWN	-	CC	REVISED -
PLOT SCALE = 20.000 '/ in.	CHECKED	-	KMM	REVISED -
PLOT DATE = 5/13/2014	DATE	-		REVISED -

671

		L /	OITAITO	_	11111
3151 STREET AT KEMIMAN AVENUE AND GRAND BUULEVARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE		2014-019TS	COOK	90	78
AND EMENGENCY VEHICLE PREEMPTION SECONDE			CONTRACT	NO. 6	0Y05
SHEET NO. OF SHEETS STA. TO STA.		ILL INOIS			





CABLE PLAN

SCALE: N.T.S.

SCHEDULE OF QUANTITIES

OHANTITY	LINITT	LTEM
<u>QUANTITY</u>	<u>UNIT</u>	<u>I TEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
5	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
4	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, 2-FACE, 3-SECTION, BRACKET MOUNTED
8	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
4	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
3	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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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, 3 - SECTION

SIGNAL HEAD, 2 - FACE, 3 SECTION EACH

FACH TRAFFIC SIGNAL BACKPLATE

FACH PEDESTRIAN SIGNAL HEAD

EACH PEDESTRIAN PUSH-BUTTON

SIGNAL POST

TS #13915 I A GRANGE PARK

USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED -	
	DRAWN	-	CC	REVISED -	Ì
PLOT SCALE = 20.000 '/ in.	CHECKED	-	KMM	REVISED -	D
PLOT DATE = 5/13/2014	DATE	-		REVISED -	Ì

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

							L.	A GRAINC)	11/1/
	US ROUTE 12–20–45 (LA GRANGE ROAD) AT HARDING AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE						SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCHE							2014-019TS	СООК	90	79
								CONTRACT	NO. 6	0Y05
S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS			

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS SIGNAL (RED) (YELLOW) (GREEN) ARROW PED. SIGNAL CONTROLLER ILLUM. SIGN VIDEO SYSTEM FLASHER LED ENERGY COSTS-

I. D. O. T.

INCAND. LED

17

25

15

12

25

100

25

BILLED TO: IDOT DISTRICT 1

CONTACT JOE STACHO

630-424-5704

1 35

1 35

1 35

1 35

90

100

252

150

12

12

12

WATTAGE____ % OPERATIONS TOTAL

0.50

0.25

0.25

0.10

1.00

1.00

0.05

1.00

TOTAL =

201 WEST CENTER COURT

COMMONWEALTH EDISON

SCHAUMBURG, IL 60196-1096

WATTAGE

102

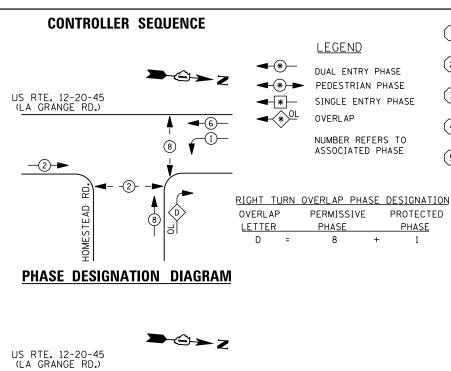
75

45

200

100

522



◄-3)—

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS						
EMERGENCY VEHICLE PREEMPTOR	3	4				
MOVEMENT	←	†				

TRAFFIC SIGNAL INSTALLATION							
ELECTRICAL SERVICE REQUIREMENTS							
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL		
		INCAND.	LED		WATTAGE		
SIGNAL (RED)	9	1 35	1 7	0.50	77		
(YELLOW)	9	1 35	25	0.25	57		
(GREEN)	9	1 35	15	0.25	34		
ARROW	8	1 35	12	0.10	10		
PED. SIGNAL	4	90	25	1.00	100		
CONTROLLER	1	100	100	1.00	100		
ILLUM. SIGN		252	25	0.05			
VIDEO SYSTEM		150	-	1.00			
FLASHER LED							
				TOTAL =	378		

I. D. O. T.

ENERGY COSTS-

-3**-►**

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -

CONTACT JOE STACHO PHONE 630-424-5704 COMMONWEALTH EDISON

1 REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

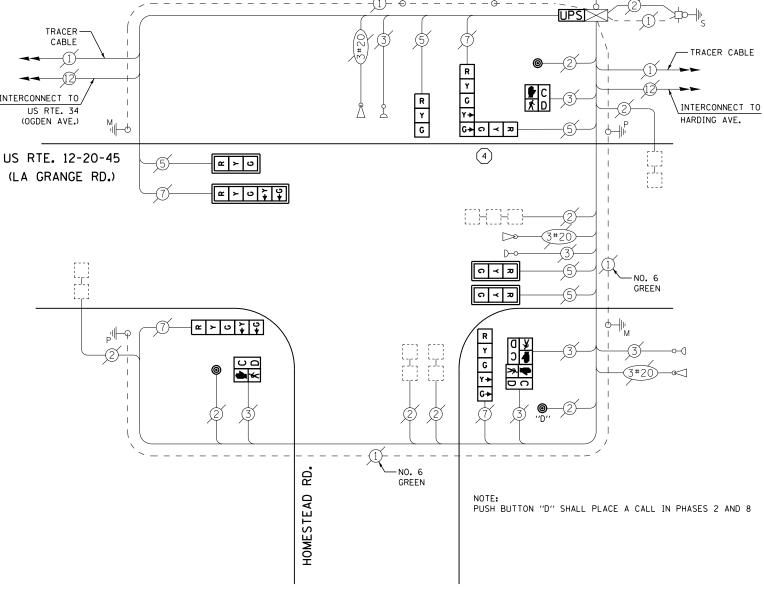
2 REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

INTERCONNECT TO



NO. 6-

GREEN

CABLE PLAN

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
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, 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 COUNTDOWN TIMER
4	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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.

SIGNAL HEAD, 3 - SECTION

SIGNAL HEAD, 5 - SECTION SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION EACH

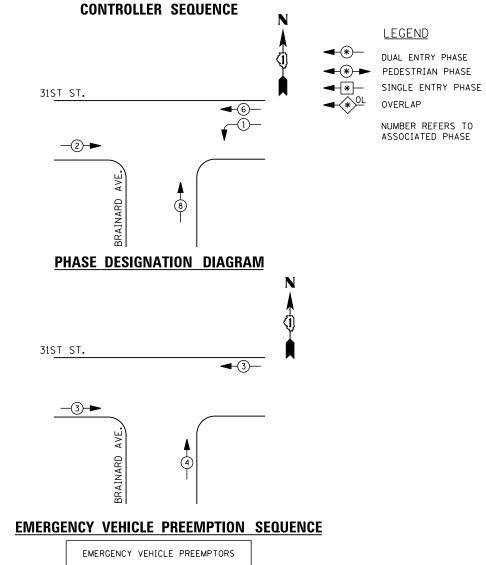
EACH TRAFFIC SIGNAL BACKPLATE PEDESTRIAN SIGNAL HEAD EACH PEDESTRIAN PUSH-BUTTON EACH

SIGNAL POST EACH

> TS #13920 I A GRANGE PARK

USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED -
	DRAWN	-	CC	REVISED -
PLOT SCALE = 20.000 '/ in.	CHECKED	-	KMM	REVISED -
PLOT DATE = 5/13/2014	DATE	-		REVISED -

							L <i>1</i>	4 GRANC)	41/1N
					HOIMESTEAN KOAN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	
SCHEE				,	DESIGNATION DIAGRAM N SEQUENCE		2014-019TS	соок	90	80
	AND EIVIE	RGENUT			N SEUDENCE			CONTRACT	NO. 6	0Y05
SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS	•		



EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE 3 4

MOVEMENT

TRAFFIC SIGNAL INSTALLATION						
	ELECTRICAL	SERVI CE	REQUIR	EMENTS		
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL	
		INCAND.	LED		WATTAGE	
SIGNAL (RED)	10	1 35	17	0.50	85	
(YELLOW)	10	1 35	25	0.25	63	
(GREEN)	10	1 35	15	0.25	38	
ARROW	4	1 35	12	0.10	5	
PED. SIGNAL	0	90	25	1.00	0	
CONTROLLER	1	1 00	100	1.00	100	
ILLUM. SIGN		252	25	0.05		
VIDEO SYSTEM		150	-	1.00		
FLASHER LED						
				TOTAL =	291	

BILLED TO: IDOT DISTRICT 1

CONTACT JOE STACHO

630-424-5704

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

COMMONWEALTH EDISON

ENERGY COSTS-

ENERGY SUPPLY -

I. D. O. T.

1) REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

(2) REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 15 FT. PAINTED POST. RE-USE EXISTING

TYPE A CONCRETE FOUNDATION.

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

EXISTING |

31ST ST.

NO.6-GREEN

> > CABLE PLAN

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
5	EACH	RELOCATE EXISTING SIGNAL HEAD
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

INTERCONNECT TO

MAYFAIR AVE

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 POST

(T)

(2)

(2)

TS #13923 LA GRANGE PARK

-TRACER CABLE

US RTE. 12-20-45 (LA GRANGE RD.)

USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED -
	DRAWN	-	CC	REVISED -
PLOT SCALE = 20.000 '/ in.	CHECKED	-	KMM	REVISED -
PLOT DATE = 5/13/2014	DATE	-		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRACER CABLE -

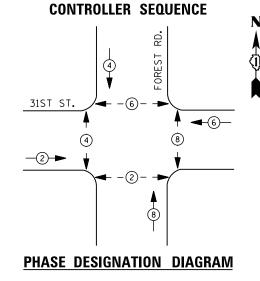
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

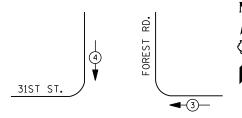
STATEST AT BRAINARD AVENUE
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

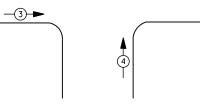
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

SECTION COUNTY TOTAL SHEETS NO. 60 VO5

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.







EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS						
EMERGENCY VEHICLE PREEMPTOR	3	4				
MOVEMENT	↓ ↑	-				

TRAFFIC SIGNAL INSTALLATION								
ELECTRICAL SERVICE REQUIREMENTS								
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL			
		INCAND.	LED		WATTAGE			
SIGNAL (RED)	12	1 35	1 7	0.50	102			
(YELLOW)	12	1 35	25	0.25	75			
(GREEN)	12	1 35	15	0.25	45			
ARROW	0	1 35	12	0.10	0			
PED. SIGNAL	8	90	25	1.00	200			
CONTROLLER	1	100	100	1.00	100			
ILLUM. SIGN		252	25	0.05				
VIDEO SYSTEM		150	-	1.00				
FLASHER LED								
				TOTAL =	522			

I. D. O. T.

ENERGY COSTS- BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

CONTACT <u>JOE STACHO</u>
PHONE <u>630-424-5704</u>
COMMONWEALTH EDISON

LEGEND

DUAL ENTRY PHASE

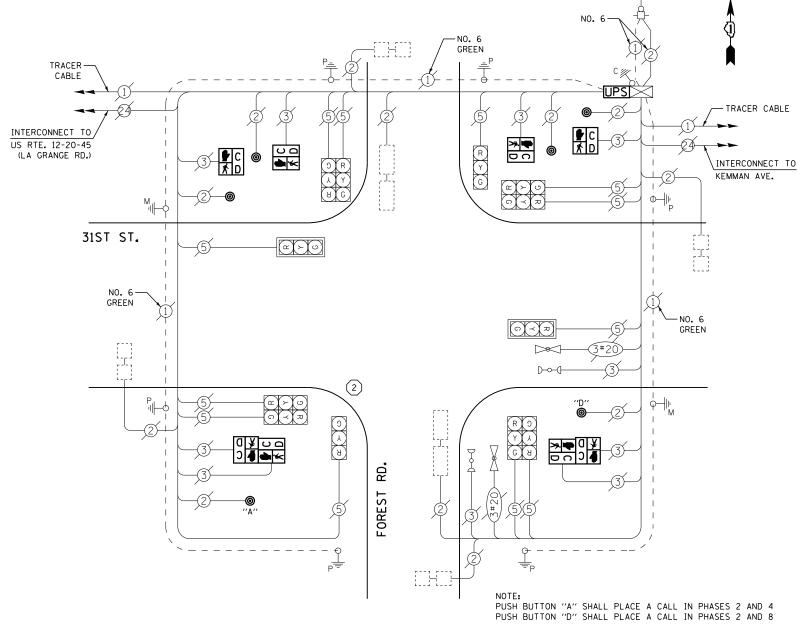
PEDESTRIAN PHASE

SINGLE ENTRY PHASE

OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE

- 1 REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- 2 REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- 3 REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- 4 REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- FEPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.



CABLE PLAN

SCHEDULE OF QUANTITIES

<u>OUANTITY</u>	<u>UN I T</u>	<u>I TEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
1	EACH	RELOCATE EXISTING SIGNAL HEAD
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
6	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.

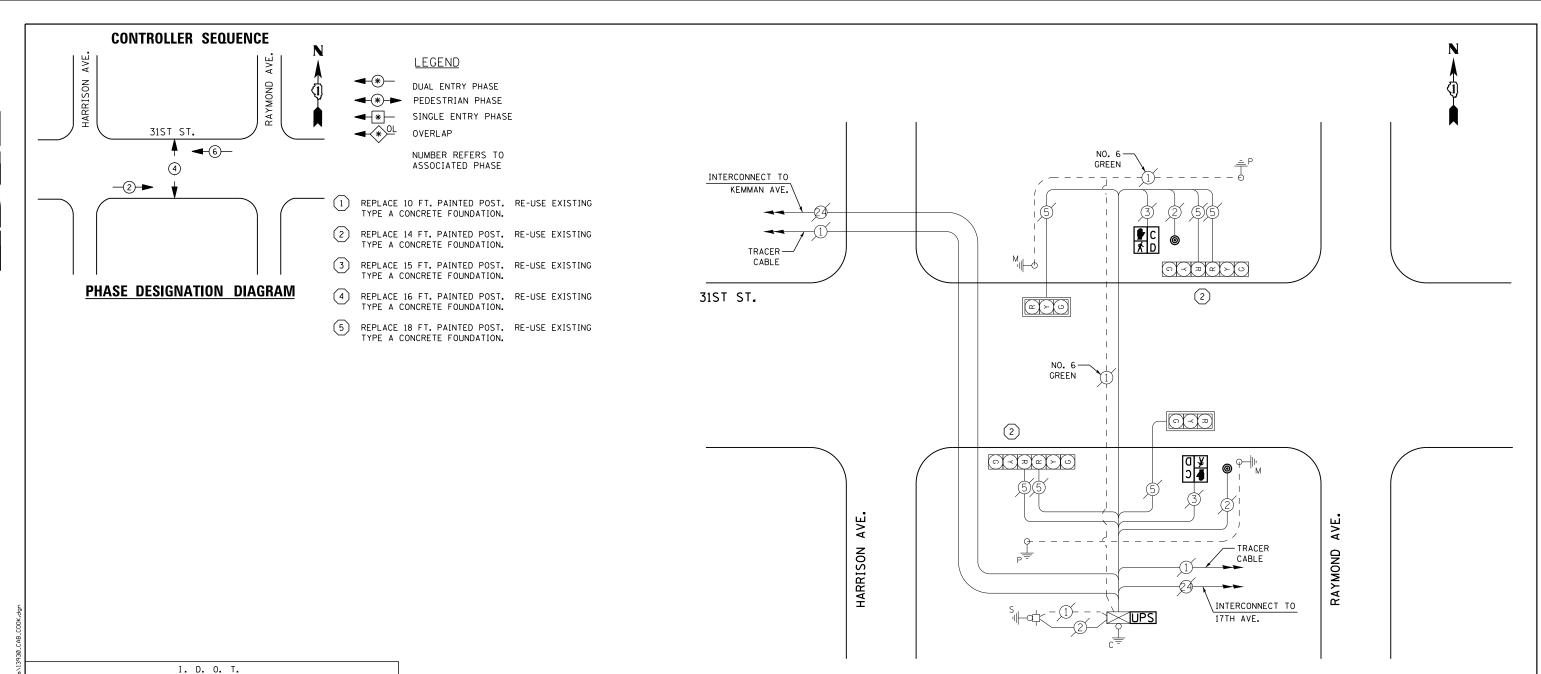
8 EACH PEDESTRIAN SIGNAL HEAD 6 EACH PEDESTRIAN PUSH-BUTTON

EACH SIGNAL POST

TS #13925 LA GRANGE PARK

USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCH
PLOT SCALE = 20.000 '/ in.	CHECKED -	KMM	REVISED -	DEPARTMENT OF TRANSPORTATION	
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.

								·			
			REET AT F			11	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM					2014-019TS	соок	90	82			
	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE					•		CONTRACT	NO. 6	0Y05	
c	SHEET NO	OΕ	CHEETS	STA	TO STA			TI I THOSE			



TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS NO. LAMPS WATTAGE % OPERATIONS TOTAL WATTAGE INCAND. LED SIGNAL (RED) 51 1 35 17 0.50 (YELLOW) 1 35 25 0.25 38 6 (GREEN) 1 35 15 0.25 23 6 ARROW 1 35 12 0.10 0 PED. SIGNAL 50 90 25 1.00 CONTROLLER 100 100 1.00 100 ILLUM. SIGN 252 25 0.05 VIDEO SYSTEM 1.00 150

ENERGY COSTS-

FLASHER LED

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

TOTAL =

ENERGY SUPPLY -

CONTACT JOE STACHO
PHONE 630-424-5704

630-424-5704 COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

QUANTITY	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
4	EACH	RELOCATE EXISTING SIGNAL HEAD
2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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.

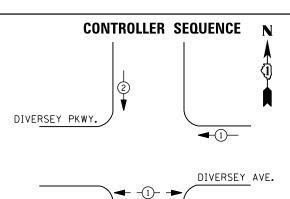
2 EACH PEDESTRIAN SIGNAL HEAD 2 EACH PEDESTRIAN PUSH-BUTTON

2 EACH SIGNAL POST

CABLE PLAN

TS #13930 LA GRANGE PARK

										L	A OIVAING	, L	. `
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		OAGT GERET BERE	OTDIANI ODGOGING DET	WEEN DAVISOND AVEN	UE AND HADDIOON AVENUE	F.A.	SECTION	COUNTY	TOTAL SHI	EET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS		OF QUANTITIES, CABLE		UE AND HARRISON AVENUE	11123	2014-019TS	соок	90 8	83
PLOT SCALE = 20.000 '/ in.	CHECKED -	кмм	REVISED -	DEPARTMENT OF TRANSPORTATION	SCHEDOLL	OF GOARTITIES, CADEL	TEAN, AND THASE DES	IGNATION DIAGNAM		201. 010.0	CONTRAC	NO. 60Y	05
PLOT DATE = 5/13/2014	DATE -		REVISED -]	SCALE: N.T.S.	SHEET NO. OF	SHEETS STA.	TO STA.		ILL INOIS			



OVERLAP

DUAL ENTRY PHASE

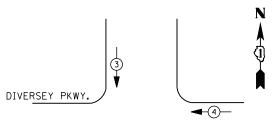
PEDESTRIAN PHASE

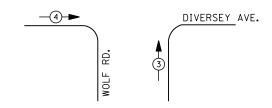
NUMBER REFERS TO

ASSOCIATED PHASE

SINGLE ENTRY PHASE

PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

I. D. O. T.

EMERGENCY VE	HICLE PRE	EMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↓ †	—

TRAFFIC SIGNAL INSTALLATION									
	ELECTRICAL SERVICE REQUIREMENTS								
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL				
		INCAND.	LED		WATTAGE				
SIGNAL (RED)	12	1 35	1 7	0.50	102				
(YELLOW)	12	1 35	25	0.25	75				
(GREEN)	12	1 35	15	0.25	45				
ARROW	0	1 35	12	0.10	0				
PED. SIGNAL	2	90	25	1.00	50				
CONTROLLER	1	100	100	1.00	100				
ILLUM. SIGN		252	25	0.05					
VIDEO SYSTEM		150	-	1.00					
FLASHER LED									
TOTAL = 372									

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

ENERGY SUPPLY -CONTACT JOE STACHO

SCHAUMBURG, IL 60196-1096

SCALE: N.T.S.

WOLF ROAD AT DIVERSEY AVENUE SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE SHEET NO. OF SHEETS STA.

TS #22290 LEYDEN TOWNSHIP COUNTY SECTION

REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. INTERCONNECT CABLE TO CONTROLLER AT GRAND AVE REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION. REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

DIVERSEY PKWY.

DIVERSEY AVE. ດ ≺ 🏾 🎞 9 B. WOLF **CABLE PLAN**

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SCHEDULE OF QUANTITIES

REVISED

REVISED

REVISED

REVISED

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
5	EACH	RELOCATE EXISTING SIGNAL HEAD
2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
2	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

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.

EACH PEDESTRIAN SIGNAL HEAD EACH PEDESTRI AN PUSH-BUTTON

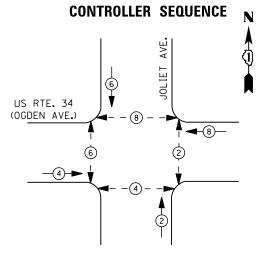
EACH SIGNAL POST

> COUNTY TOTAL SHEETS NO.
>
> COOK 90 84 2014-019TS

CONTRACT NO. 60Y05

	168-Ø11 SINGH
FILE NAME =	M:\pro_\\1481\21@3 PTB

FHUNE	630-424-3104			
	COMMONWEALTH EDISON	_		
USER NAME	= _USERNAME_	DESIGNED	-	DW
		DRAWN	-	CC
PLOT SCALE	= 20.000 ′ / in.	CHECKED	-	KMM
PLOT DATE	= 5/13/2014	DATE	-	



DUAL ENTRY PHASE

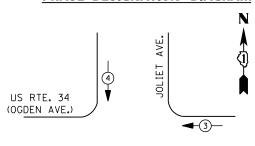
PEDESTRIAN PHASE

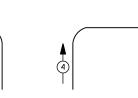
PEDESTRIAN PHASE
SINGLE ENTRY PHASE

OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	1

		I. D. O	. т.					
	TRAFFIC SIGNAL INSTALLATION							
	ELECTRI CAL	SERVI CE	REQUIR	EMENTS				
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL			
		INCAND.	LED		WATTAGE			
SIGNAL (RED)	12	1 35	1 7	0.50	102			
(YELLOW)	12	1 35	25	0.25	75			
(GREEN)	12	1 35	15	0.25	45			
ARROW	0	1 35	12	0.10	0			
PED. SIGNAL	8	90	25	1.00	200			
CONTROLLER	1	100	100	1.00	100			
ILLUM. SIGN		252	25	0.05				
VIDEO SYSTEM		150	-	1.00				
FLASHER LED								
				TOTAL =	522			

ENERGY COSTS-

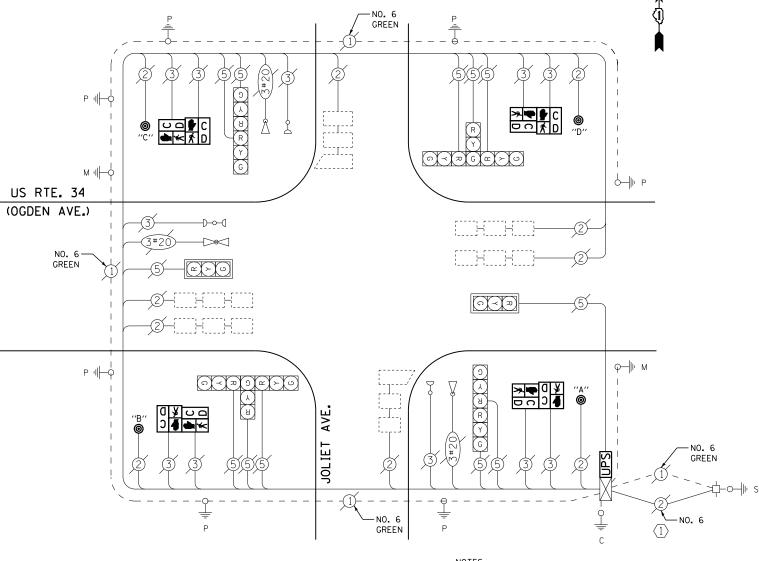
BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -

CONTACT <u>JOE STACHO</u>
PHONE 630-424-570

630-424-5704 COMMONWEALTH EDISON



CABLE PLAN

NOTES:
PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 2 AND 6
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

SCHEDULE OF QUANTITIES

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

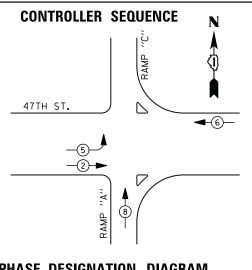
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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 PEDESTRIAN SIGNAL HEAD 4 EACH PEDESTRIAN PUSH-BUTTON

> TS #1470 LYONS

USER NAME : JUSERNAME. DESIGNED - DW REVISED - DRAWN - CC REVISED - PLOT SCALE : 20,000 '/ in. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DEPARTMENT OF TRANSPORTATION SCALE NIS SHEET STA TO STA SCALE NIS SHEET STA TO STA COUNTY TOTAL SHEET STA 2014-019TS COOK 90 E CONTRACT NO. 60YI																
PLOT SCALE = 20,000 // In. CHECKED - KMM REVISED - CONTRACT NO. 60YO	USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -			US ROUT	E 34 (OGD	DEN AVEN	IUE) AT JO	LIET AVENUE	F.A.	SECTION	COUNTY	TOTAL	SHEET
PLOT SCALE = 20.000 // in. CHECKED - KMM REVISED - DEPARTMENT OF TRANSPORTATION AND EMERGENCY VEHICLE PREEMPTION SEQUENCE CONTRACT NO. 60YI		DRAWN -	CC	REVISED -		SCHE						10122	2014-019TS			85
	PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION		AND EM	ERGENCY \	VEHICLE P	REEMPTIC	N SEQUENCE					0Y05
TEUTIFIE - 3/13/2014 DATE - REVISED - ILLINOIS	PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS			



DUAL ENTRY PHASE PEDESTRIAN PHASE

SINGLE ENTRY PHASE

OVERLAP

*

NUMBER REFERS TO ASSOCIATED PHASE

REPLACE 14 FT. PAINTED POST. RE-USE EXISTING

TYPE A CONCRETE FOUNDATION.

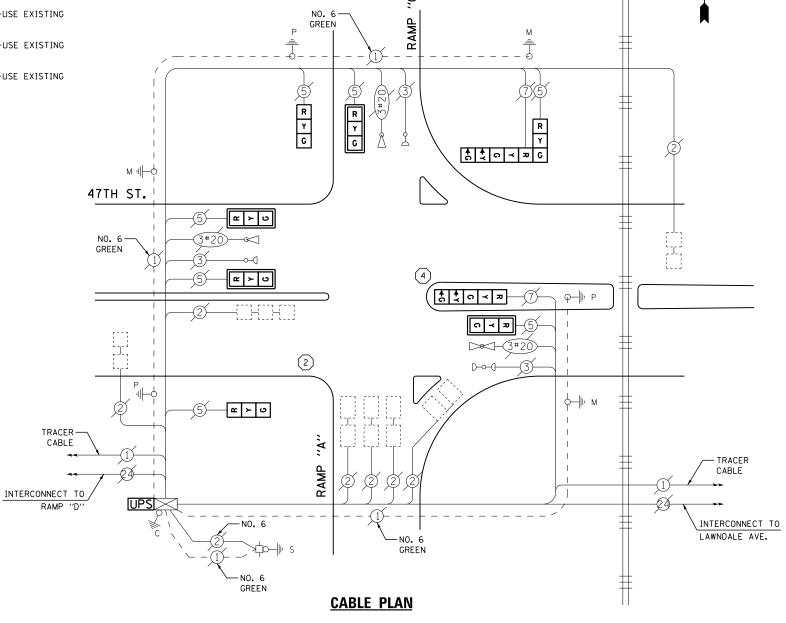
TYPE A CONCRETE FOUNDATION.

REPLACE 10 FT. PAINTED POST. RE-USE EXISTING

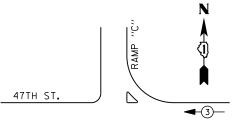
REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

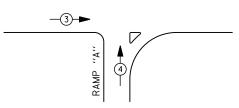
REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.



PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	—	†

TRAFFIC SIGNAL INSTALLATION						
	ELECTRICAL	SERVI CE	REQUI R	EMENTS		
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL	
		INCAND.	LED		WATTAGE	
SIGNAL (RED)	9	1 35	17	0.50	77	
(YELLOW)	9	1 35	25	0.25	57	
(GREEN)	9	1 35	15	0.25	34	
ARROW	4	1 35	12	0.10	5	
PED. SIGNAL	0	90	25	1.00	0	
CONTROLLER	1	1 00	100	1.00	100	
ILLUM. SIGN		252	25	0.05		
VIDEO SYSTEM		150	-	1.00		
FLASHER LED						
				TOTAL =	273	

I. D. O. T.

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -

CONTACT JOE STACHO PHONE 630-424-5704

COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>I TEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
2	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, 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	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

UPS SHALL BE INSTALLED ON LEFT SIDE OF CONTROLLER CABINET DUE TO PHYSICAL CONSTRAINT, OR AS DIRECTED BY THE ENGINEER

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.

SIGNAL HEAD, 3 - SECTION SIGNAL HEAD, 5 - SECTION EACH

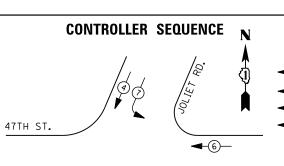
SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5 SECTION FACH TRAFFIC SIGNAL BACKPLATE

4 EACH 2 EACH SIGNAL POST

> TS #3575 LYONS

USER NAME = _USERNAME_	DESIGNED	-	DW	REVISED -	
	DRAWN	-	CC	REVISED -	
PLOT SCALE = 20.000 '/ in.	CHECKED	-	KMM	REVISED -	
PLOT DATE = 5/13/2014	DATE	-		REVISED -	

								LIU	. 13	
					TH STREET (EAST RAMP)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCHEL					DESIGNATION DIAGRAM		2014-019TS	СООК	90	86
	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE							CONTRAC	F NO. 6	0Y05
SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS	'		



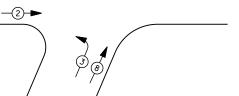
DUAL ENTRY PHASE

PEDESTRIAN PHASE

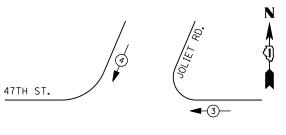
SINGLE ENTRY PHASE

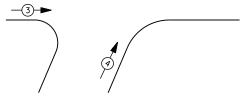
OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE



PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	—	1

		I. D. O	. T.				
TRAFFIC SIGNAL INSTALLATION							
	ELECTRI CAL	SERVI CE	REQUIF	REMENTS			
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL		
		INCAND.	LED		WATTAGE		
SIGNAL (RED)	12	1 35	1 7	0.50	102		
(YELLOW)	12	1 35	25	0.25	75		
(GREEN)	12	1 35	15	0.25	45		
ARROW	8	1 35	12	0.10	10		
PED. SIGNAL	0	90	25	1.00	0		
CONTROLLER	1	1 00	100	1.00	100		
ILLUM. SIGN		252	25	0.05			
VIDEO SYSTEM		150	-	1.00			
FLASHER LED							
				TOTAL =	332		

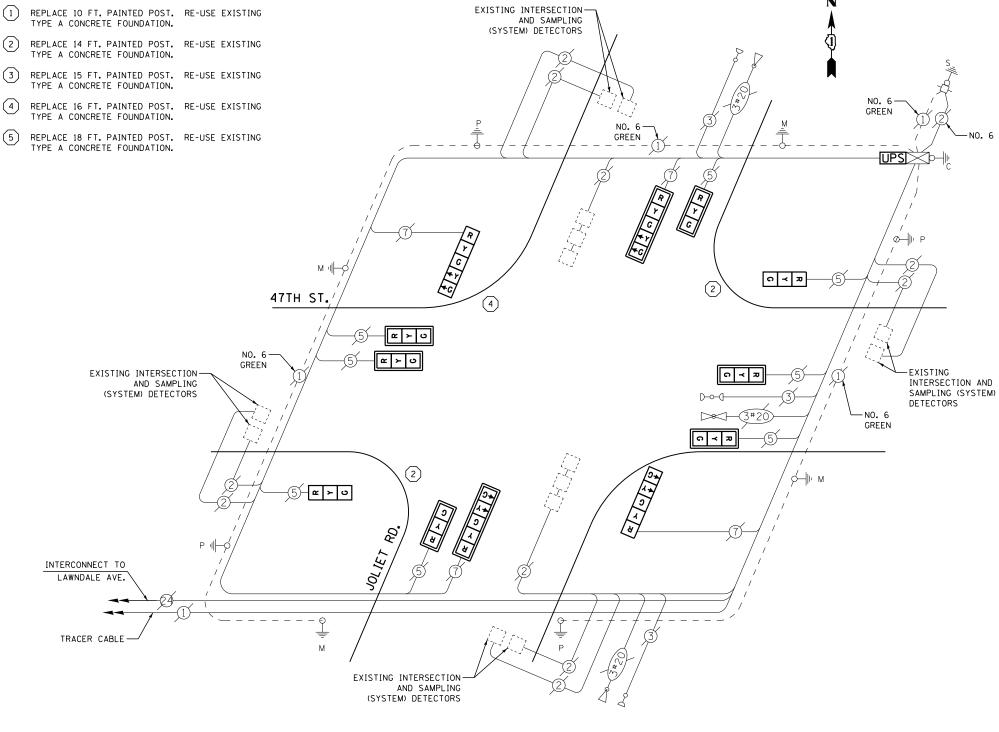
BILLED TO: IDOT DISTRICT 1

CONTACT JOE STACHO

630-424-5704

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

COMMONWEALTH EDISON



CABLE PLAN

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
6	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, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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.

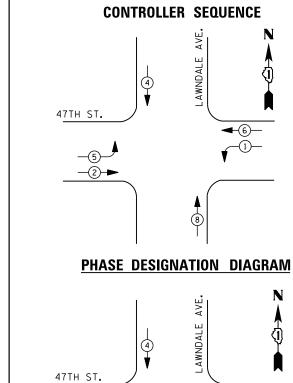
8	EACH	SIGNAL HEAD, 3 - SECTION
4	EACH	SIGNAL HEAD, 5 - SECTION
8	EACH	TRAFFIC SIGNAL BACKPLATE
マ	EVCH	SIGNAL POST

TS #3810 LYONS

	JSER NAME = _USERNAME_	DESIGNED -	DW	REVISED -	07475 05 11111010	JOLIET ROAD AT 47TH STREET	F.A. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
\vdash		DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM		2014-019TS	СООК	90 87
Ľ	PLOT SCALE = 20.000 '/ in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE			CONTRACT	NO. 60Y05
	PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS	•	

FILE NAME =

ENERGY COSTS-



EMERGENCY VEHICLE PREEMPTION SEQUENCE

I. D. O. T.

EMERGENCY VE	HICLE PRE	EMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		<u></u>

	TRAFFIC S	IGNAL I	NSTALLA	TION	
	ELECTRICAL	SERVI CE	REQUIR	EMENTS	
TYPE	NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL
		INCAND.	LED		WATTAGE
SIGNAL (RED)	12	1 35	17	0.50	102
(YELLOW)	12	1 35	25	0.25	75
(GREEN)	12	1 35	15	0.25	45
ARROW	8	1 35	12	0.10	10
PED. SIGNAL	0	90	25	1.00	0
CONTROLLER	1	1 00	100	1.00	100
ILLUM. SIGN		252	25	0.05	
VIDEO SYSTEM		150	-	1.00	
FLASHER LED					
				TOTAL =	332

ENERGY COSTS-

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY -

CONTACT JOE STACHO PHONE 630-424-5704 COMMONWEALTH EDISON **LEGEND**

DUAL ENTRY PHASE **★** PEDESTRIAN PHASE SINGLE ENTRY PHASE

OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE

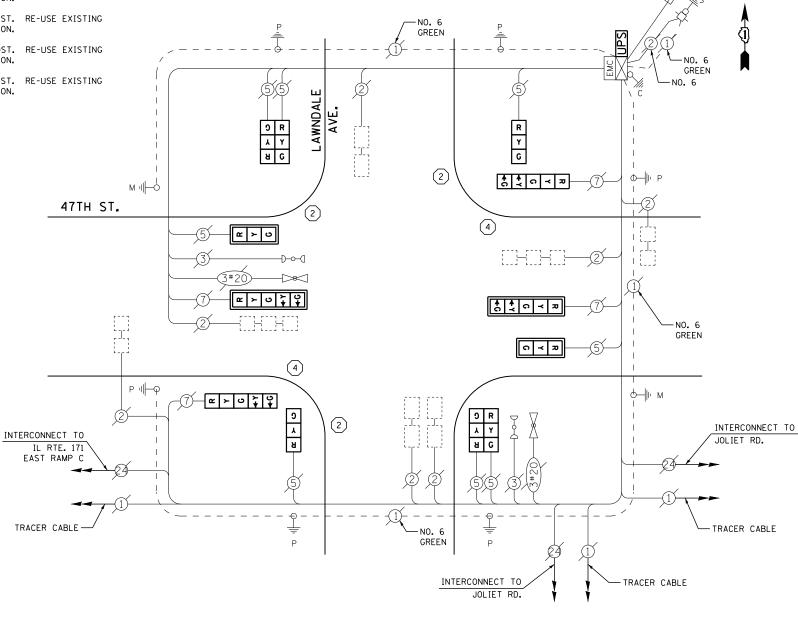
REPLACE 10 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.



CABLE PLAN

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
2	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, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
2	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
3	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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.

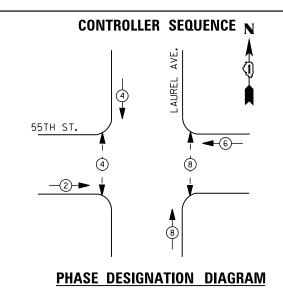
EACH EACH

SIGNAL HEAD, 3 - SECTION SIGNAL HEAD, 5 - SECTION SIGNAL HEAD, 2 - FACE, 3 SECTION EACH EACH TRAFFIC SIGNAL BACKPLATE

SIGNAL POST EACH

> TS #3815 LYONS

COMMONWEALTH EDISON	<u>in</u>						LIONS
USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		47TH STREET AT LAWNDALE AVENUE	F.A. SECTION	COUNTY TOTAL SHEET
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM	2014-019TS	COOK 90 88
PLOT SCALE = 20.000 '/ in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE		CONTRACT NO. 60Y05
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	ILLINOI	S



OVERLAP

-*-

DUAL ENTRY PHASE PEDESTRIAN PHASE SINGLE ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE

REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

TYPE A CONCRETE FOUNDATION.

3 REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 10 FT. PAINTED POST. RE-USE EXISTING

REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

INTERCONNECT TO GREEN WILLOW SPRINGS RD. -TRACER CABLE LAUREL $\overline{}$ G 2 55TH ST. 2 _<u>(α</u> ≻ (υ NO. 6-GREEN EXISTING INTERSECTION-AND SAMPLING (SYSTEM) DETECTORS େ ≺ ଅ В G ≺ Z Œ ≻ U TRACER CABLE G INTERCONNECT TO WOLF RD. GREEN NO. 6 GREEN **CABLE PLAN**

	I. D. O. T.
	TRAFFIC SIGNAL INSTALLATION
	ELECTRICAL SERVICE REQUIREMENTS
TYPE	NO. LAMPS WATTAGE % OPER

2	ELECTRICAL SERVICE REQUIREMENTS							
TYPE NO. L		NO. LAMPS	WAT	TAGE	% OPERATIONS	TOTAL		
5			INCAND.	LED		WATTAGE		
,	SIGNAL (RED)	12	1 35	1 7	0.50	102		
j	(YELLOW)	12	1 35	25	0.25	75		
1	(GREEN)	12	1 35	15	0.25	45		
	ARROW	0	1 35	12	0.10	0		
Š	PED. SIGNAL	4	90	25	1.00	100		
;	CONTROLLER	1	100	100	1.00	100		
	ILLUM. SIGN		252	25	0.05			
;	VIDEO SYSTEM		150	-	1.00			
2								
	FLASHER LED							

ENERGY COSTS-

ENERGY SUPPLY -

BILLED TO: IDOT DISTRICT 1 201 WEST CENTER COURT

SCHAUMBURG, IL 60196-1096

TOTAL =

CONTACT JOE STACHO 630-424-5704 COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
QUANTITI	ONTI	<u>, , , , , , , , , , , , , , , , , , , </u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
6	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET 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
3	EACH	REMOVE AND REPLACE ANCHOR BOLTS
1	EACH	UNINTERRUPTABLE 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.

SIGNAL HEAD, 3 - SECTION SIGNAL HEAD, 2 - FACE, 3 SECTION

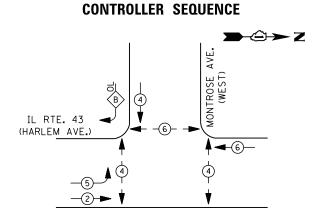
TRAFFIC SIGNAL BACKPLATE EACH PEDESTRIAN SIGNAL HEAD EACH PEDESTRIAN PUSH-BUTTON

EACH SIGNAL POST

> TS #3870 LYONS

USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		
	DRAWN -	CC	REVISED -	STATE OF ILLINOIS	SCHEDUL
PLOT SCALE = 20.000 ' / in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	JUILEDOE
PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.
			•		

	55TH	STRFF	T AT LAURI	L AVFNI	IJF		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHEDULE (OF QUANTITIES,					DIAGRAM		2014-019TS	СООК	90	89
									CONTRACT	NO. 6	0Y05
T.S.	SHEET NO.	OF	SHEETS	STA.	TC	STA.		ILLINOIS			



★ DUAL ENTRY PHASE * PEDESTRIAN PHASE

SINGLE ENTRY PHASE

OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION OVERLAP PERMISSIVE PROTECTED LETTERPHASEPHASEB=4+5

PHASE DESIGNATION DIAGRAM

WATTAGE % OPERATIONS TOTAL

17

25

15

12

25

100

25

CONTACT JOE STACHO

0.50

0.25

0.25

0.10

1.00

1.00

0.05

1.00

TOTAL =

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

WATTAGE

77

57

34

10

150

100

IL RTE. 43 (HARLEM AVE.) S CREEN S CREEN S COLOD INTERCONNECT TO CULLOM AVE. TRACER CABLE NO. 6 OMNITOSE AVE (EAST) AGAITTE AVE. NO. 6 OMNITOSE AVE. (EAST) AGAITTE AVE.	/ 	MONTROSE AVE.	NO. 6 GREEN	NO. 6 1 3 P C 3 P C 3 P C 3 P C 3 P C 3 P C 3 P C 3 P C 3 P C C © 2	0. 6
NO. 6 GREEN S CREEN OUTSIDE LOOPS FOR MONTROSE AVE (EAST) INTERCONNECT TO CULLOM AVE. TRACER CABLE TRACER CABLE TRACER CABLE TRACER CABLE	· ·			(*)	
INTERCONNECT TO CULLOM AVE. TRACER CABLE	NO. 6 —	5 20			2
CULLOM AVE. TRACER CABLE INTERCONNECT TO MONTROSE AVE. (EAST)/ AGATITE AVE.					MONTROSE AVE (EAST)
	CULLOM AVE.	<u>√2</u>	5	2357	TRACER CABLE INTERCONNECT TO MONTROSE AVE. (EAST)/

NOTE: PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 4.

CABLE PLAN

SCHEDULE OF QUANTITIES

<u>QUANTITY</u>	<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	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
5	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

→②→ Z

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 PEDESTRIAN SIGNAL HEAD 5 EACH PEDESTRIAN PUSH-BUTTON

2 Y -	CONTACT JOE STACHO														
	PHONE <u>630-424-5704</u>													T.	S #2377
COMMONWEALTH EDISON														N	ORRIDGE
	USER NAME = _USERNAME_	DESIGNED -	DW	REVISED -		II DOUTE AS (HADIERA AMERICE) AT MONTDOOF AVENUE (MEGAT)						F.A.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
		DRAWN -	CC	REVISED -	STATE OF ILLINOIS		IL ROUTE 43 (HARLEM AVENUE) AT MONTROSE AVENUE (WEST) SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGI					INTE.	2014-019TS	соок	90 90
	PLOT SCALE = 20.000 '/ in.	CHECKED -	КММ	REVISED -	DEPARTMENT OF TRANSPORTATION	Controls of Controls, order 12 m, the 1 most belief of the controls								CONTRACT NO. 60Y05	
	PLOT DATE = 5/13/2014	DATE -		REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	S STA.	TO STA.		ILLINOIS		

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS NO. LAMPS INCAND. LED SIGNAL (RED) 1 35 (YELLOW) 1 35 9 (GREEN) 1 35 9 ARROW 1 35 PED. SIGNAL 90 CONTROLLER 100 ILLUM. SIGN 252 VIDEO SYSTEM 150 FLASHER LED BILLED TO: IDOT DISTRICT 1 ENERGY COSTS-