11-08-2013 LETTING ITEM 007

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

IDOT STANDARDS:

STD, NO.	THE
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
701001-02	OFF-RD OPERATIONS, 2L, 2W MORE THAN 15' (4.5m) AWAY
701006-04	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701101-03	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDG
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502~05	URBAN LANE CLOSURE 2L, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701601-08	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN

701701-08 URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-02 TRAFFIC CONTROL DEVICES

720001-01 SIGN PANEL MOUNTING DETAILS

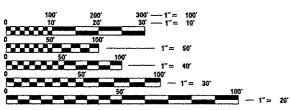
FOR INDEX OF SHEETS, SEE SHEET NO. 2

857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES

86201-01 UNINTERRUPTABLE POWER SUPPLY (UPS) 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS VARIOUS LOCATIONS IN SOUTH COOK COUNTY LIGHT EMITTING DIODE (LED) INSTALLATION

SECTION: 2013-040TS COOK COUNTY C-91-384-13

COOK COUNTY LOCATION MAP SEE SHEET NO. 03 AND NO. 04



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

J.U.L.I.E.

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

DIGGERS

CHICAGO – UTILITY ALERT NETWORK 1–312–744–7000 3 4 9 9 3
REGISTERED
PROFESSIONAL
ENGINEER
OF

Pop. Halhi. 8/16/2013 Exp. 11/30/2013

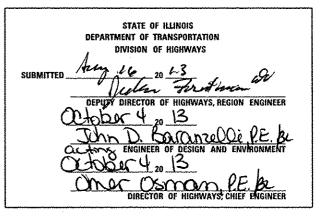
CONTRACT NO. 60W85

 F.A.P.
 SECTION
 COUNTY SHEETS NO.

 VAR.
 2013-040TS
 COOK
 84
 01

 FED. ROAD DIST. NO.
 ILLINOIS
 CONTRACT NO. 60W85

NACOCK SOUTHER DOCK PERMIT TO SANCARD SOUTH SOUT



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

OF TRAFFIC - SUDUD MAHMOUD - (847) 70

COOK COUNTY SECTION NUMBER 2013-040TS

F.A.P. ROUTE VAR.

INDEX OF SHEETS

COVER SHEET

INDEX OF SHEETS

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LOCATION MAP 03-04 SUMMARY OF QUANTITIES 05-09 10-15 DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS INTERSECTION NAME PAGE TS# STATE RD. AT STEGER /34TH RD. 5790 1009 123RD ST./MCCARTHY RD. AT BELL RD. 17 18 22195 127TH ST. AT STATE ST. IL 171 /ARCHER AVE. AT 127TH ST. 2226 3567 IL 171 / ARCHER AVE. AT ACCESS DR. / TARGET ENT. 20 IL 171 /ARCHER AVE. AT STATE ST. 21 3585 22-23 3365 IL 83-IL 171 N CAL SAG NORTH AT 107TH ST. 24 3370 IL 83-IL 171 S CAL SAG SOUTH AT 111TH ST. 5785 STATE ST. AT ILLINOIS AVE. 25 26 21475 IL 171 / ARCHER AVE. AT BELL RD. 27 4900 CRAWFORD AVE. AT 167TH ST. DIXIE HWY AT 167TH ST./170TH 5050 28-29 30 10635 LIS 6 /159TH ST. AT CENTRAL PARK AVE. 245 US 6 /159TH ST AT KEDZIE AVE. 31 10640 US 6 /159TH ST. AT RICHMOND AVE. 32 US 6 /159TH ST. AT CRAWFORD AVE. /PULASKI RD. 33 215 34 4945 CRAWFORD AVE./PULASKIRD. AT GOVERNORS HWY 1376 GOVERNORS HWY AT 212TH PL 10630 216TH ST. AT GOVERNORS HWY IL 50 CICERO AVE. AT 207TH ST. / BIRCHWOOD 37 1357 IL 50 /CICERO AVE. AT MATTESON TOWN CENTER MALL 2630 12404 IL 50 /CICERO AVE. AT NORTH GATEWAY DR. 39 40 12400 IL 50 /CICERO AVE. AT SOUTHWICK DR 2635 IL 50 /CICERO AVE. AT VOLLMER RD. 42 12403 IL 50 / CICERO AVE. AT WAL-MART ENTRANCE US 30 /LINCOLN HWY AT IL 50 /CICERO AVE. 43 1355 1450 US 30 /LINCOLN HWY AT KOSTNER AVE. US 30 /LINCOLN HWY AT LINDENWOOD DR./LINCOLN MALL 1430 US 30 /LINCOLN HWY AT MATTESON SHOPPING CENTER 11190 47 11345 US 30 /LINCOLN HWY AT MID CONTINENT DR. 1385 US 30 /LINCOLN HWY AT MAIN ST. 9727 143RD ST. AT JUSTAMERE RD. IL 50-IL 83 CICERO AVE. AT IL 83 147TH ST./SIBLEYBLVD 50 2640 51 3400 IL 83 SIBLEY BLVD-147TH ST. AT CRAWFORD AVE. 52 3445 IL 83 SIBLEY BLVD-147TH ST. AT KEELER AVE. 53 IL 83 SIBLEY BLVD-147TH ST. AT KILBOURN AVE. 3455 54 4000 127TH ST. AT RIDGELAND AVE. 135TH ST, AT RIDGELAND AVE 4035 IL, 43 HARLEM AVE, AT 123RD ST. 56 2220 57 2230 IL 43 HARLEM AVE. AT 131ST ST. 2105 IL 43 HAPLEM AVE. AT IL 83 /119TH ST./COLLEGE DR. 59 2225 IL 43 /HARLEM AVE. AT 127TH ST. IL 43 /HARLEM AVE. AT 135TH ST. 60 2235 1903 IL 7 /SOUTHWEST HWY AT 117TH ST. 62 1904 IL 7/SOUTHWEST HWY AT METRA TRAIN STATION /114TH PLACE IL 83 /CAL SAG RD, AT 76TH AVE. 63 3532 3505 IL 83 /CAL SAG RD. AT RIDGELAND AVE. 107TH ST. AT 104TH AVE. 1633 111TH ST. AT 84TH AVE. 1631 66 111TH ST. AT 86TH AVENUE 67 3940 1632 111TH ST. AT KEAN AVE. 68 111TH ST. AT POSSUM DRIVE /COLLEGE PKWY 3942 111TH ST. AT ROBERTS RD. 70 3955 1913 131ST STREET AT 86TH AVENUE 71 123RD ST./MCCARTHY RD. AT WOLF RD. 72 127TH STREET AT 76TH AVENUE 3975 73 74 1899 80TH AVE, AT 123RD ST./MCCARTHY RD. IL 7 /SOUTHWEST HWY AT IL 83 /CAL SAG BOTH AVE. 75-76 1895 77 3530 IL 83 /CAL SAG RD, AT 119TH ST. US 45 /LAGRANGE RD, AT 123RD ST, /MCCARTHY RD. 78 1690 79 1007 123BD ST./MCCARTHY BD. AT WILL COOK BD. 5190 GOVERNORS HWY AT SAUK TRAIL 80

GENERAL NOTES

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

THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 72 HOURS IN ADVANCE OF REGINNING WORK.

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

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

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

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

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

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

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

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

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

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

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

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

NEW CONTROLLER CABINETS SHALL BE PLACED SO THAT, 4) THE DOORS OPEN AWAY FROM THE CURB OR TRAVELED WAY., b) AND THE TRAFFIC MOVEMENTS AT THE INTERSECTION ARE VISIBLE FROM THE CONTROLLER.

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

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

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

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

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

RIR CAMERA LOCATION:

TS# 245 US 6 /159TH STREET AT KEDZIE AVENUE TS# 4900 CRAWFORD AVENUE AT 167TH STREET

VILLAGE OF MARKHAM 16313 SOUTH KEDZIE PARKWAY MARKHAM, IL 60428 708-331-4905

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

BLB CAMERA LOCATION:

TS# 2105 HARLEM AVENUE AT 119TH STREET TS# 4035 135TH STREET AT RIDGELAND AVENUE

VILLAGE OF PALOS HEIGHTS 7607 WEST COLLEGE DRIVE PALOS HEIGHTS, IL 60463 708-361-1804 REDFLEX TRAFFIC SYSTEMS 2358 W. MADISON STREET CHICAGO, IL 60612 312-580-1594

RLR CAMERA LOCATION:

TS# 3955 111TH STREET AT ROBERTS ROAD

VILLAGE OF PALOS HILLS 10335 SOUTH ROBERTS ROAD PALOS HILLS, IL 60465 709-598-3400 REDFLEX TRAFFIC SYSTEMS 2358 W. MADISON STREET CHICAGO, IL 60612 312-580-1594

COUNTY TOTAL SHEE

COOK 84 02

CONTRACT NO. 60W85

FILE NAME * USER NAME * 4USER \$ DESIGNED - PKG REVISED -

\$FILEL \$

\$FILEL \$

PLOT SCALE * \$SCALE \$

PLOT ONTE * 40ATE \$

\$PLOT DATE * 40ATE \$

\$PLOT DAT

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS,

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS, (TO REMAIN OPEN TO TRAFFIC)

IL 50 CICERO AVE. AT SAUK TRAIL

IL 1/CHICAGO AT STEGER RD.

INTERSECTIONS, AND DRIVEWAYS

2615

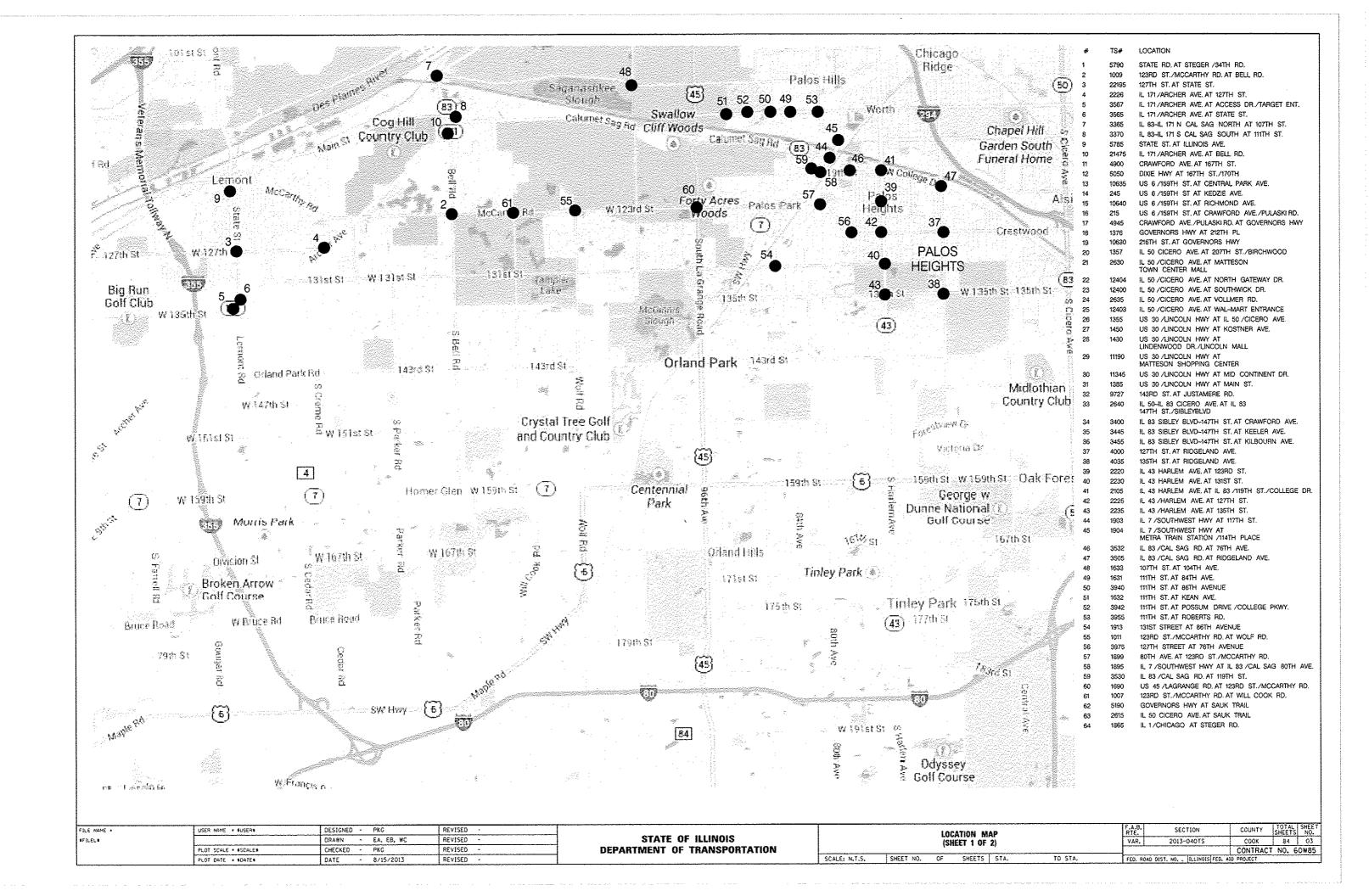
1866

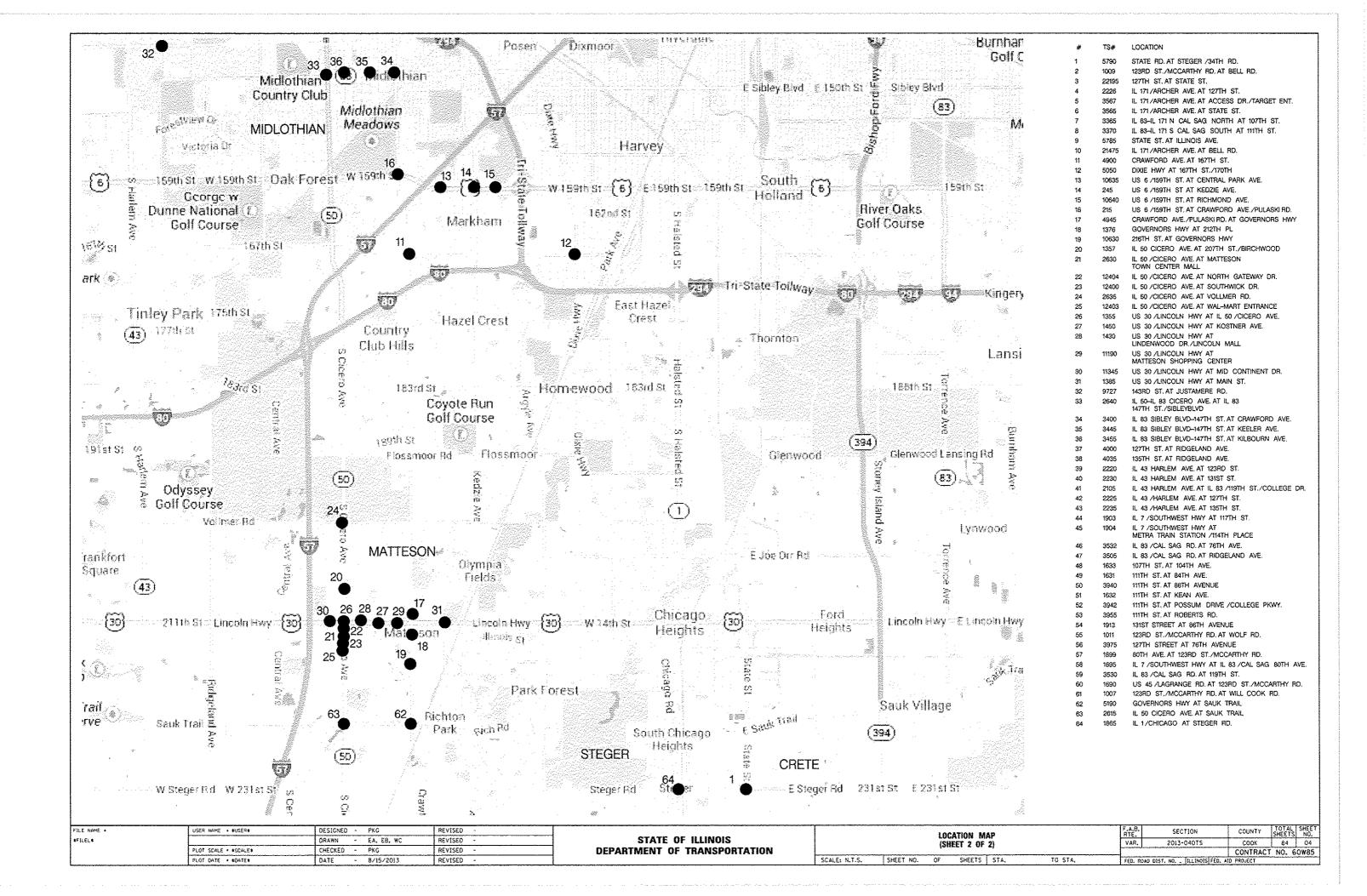
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION





	SUMMARY OF QUANTITIES HEADING LEGEND				CRETE	LEMONT	LEMONT	MARKHAM	MATTESON	MIDLOTHIAN			PALOS			LINCOLN	MATTESON	MATTESON TOWN	
			FUNDING PARTICIPATION	4			TOWNSHIP				TOWNSHIP	HEIGHTS	HILLS	PARK	STORE, INC.	MALL	PLAZA C/O SIMON	CENTER C/O FORSITE REALTY	
LOCATION	COLUMN	TS •	INTERSECTION	400000													PROPERTY GROUP, INC	PARTNERS. LLC	
1	2	5790	STATE ROAD AT STEGER STREET / 34TH ROAD	97.5%	2. 5%	†		†		T		<u> </u>					<u> </u>		1
5	1	1009	123RD STREET / MCCARTHY ROAD AT BELL ROAD	100%	1	1			1										1
3	20	22195	127TH STREET AT STATE STREET	92.5%		7. 5%						<u> </u>							
4	4	2226	IL 171 / ARCHER AVENUE AT 127TH STREET	97,5%	1	2.5%		<u> </u>	1										
5	9	3567	IL 171 / ARCHER AVENUE AT ACCESS DRIVE / TARGET ENTRANCE	96.7%	1	3. 3%		1					 					ļ	
6	1 1	3565	IL 171 / ARCHER AVENUE AT STATE STREET	100%	1	\top		 		<u> </u>	<u> </u>	 							+
7	4	3365	IL 83-IL 171 N CAL SAG NORTH AT 107TH STREET	97.5%		2.5%			†				 						+
8			IL 83-IL 171 S CAL SAG SOUTH AT ILLTH STREET	100%		1		-				 						···	+
9		5785	STATE STREET AT ILLINOIS AVENUE	100%	1	1		 	 	 									+
10	3		IL 171 / ARCHER AVENUE AT BELL ROAD	97.5%	-	 	2.5%	 	 										1
11	1	4900	CRAWFORD AVENUE AT 167TH STREET	100%	 	 		 	 			 	 				 		+
12	1	5050	DIXIE HIGHWAY AT 167TH STREET / 170TH	100%	-	-		 	 	 		 							+
13	12	10635	US 6 / 159TH STREET AT CENTRAL PARK AVENUE	95%		 		5%	 	 	<u> </u>								+
14		245	US 6 / 159TH STREET AT KEDZIE AVENUE	100%	-	 			 	 							 		-
	12	10640	US 6 / 159TH STREET AT RICHMOND AVENUE		┼	 		F16	 	 	 	ļ					<u> </u>		+
15	1		US 6 / 1591H STREET AT CRAWFORD AVENUE / PULASK! ROAD	95%	 	-		SX.	 	 	-		 					***************************************	-
16	 	215	CRAWFORD AVENUE / PULASKI ROAD AT COVERNORS HICHWAY	100%				 	 	 	 	 	 						
17	24	4945		100%	-		<u> </u>	 	 	 									
<u> </u>		1376	GOVERNORS HIGHWAY AT 212TH PLACE	95%				<u> </u>	-	 		 	ļ			<u></u>	5%		
19	13	10630	GOVERNORS HIGHWAY AT 216TH STREET	95%	 			ļ	5%,			ļ		-		·			
20	13	1357	IL 50 / CICERO AVENUE AT 207TH STREET / BIRCHWOOD	95%	ļ	 		<u> </u>	5%	<u> </u>									——
21	13	2630	IL SO / CICERO AVENUE AT MATTESON TOWN CENTER MALL	95%	ļ				5%			ļ							<u> </u>
22	10	12404	IL 50 / CICERO AVENUE AT NORTH GATEMAY DRIVE	96. 7%	ļ				3. 3%	ļ		ļ							
23	13	12400	IL 50 / CICERO AVENUE AT SOUTHWICK DRIVE	95%	<u> </u>	ļ		ļ	5%	<u> </u>									
24	1	2635	IL 50 / CICERO AVENUE AT VOLLMER ROAD	100%	<u> </u>	<u> </u>		ļ				<u> </u>					400		
25	21	12403	IL 50 / CICERO AVENUE AT WAL-MART ENTRANCE / LINCOLN MALL DRIVE	95%	ļ										\$%				
26	1 1	1355	US 30 / LINCOLN HIGHWAY AT IL 50 / CICERO AVENUE	100%	1														
27	13	1450	US 30 / LINCOLN HIGHWAY AT KOSTNER AVENUE	95%					5%										
28	22	1430	US 30 / LINCOLN HIGHWAY AT LINDENWOOD DRIVE / LINCOLN MALL	95%	<u></u>	1		<u> </u>								5%	<u> </u>		
29	24	11190	US 30 / LINCOLN HIGHWAY AT MATTESON SHOPPING CENTER	95%													5%		
30	23	11345	US 30 / LINCOLN HIGHWAY AT MID CONTINENT DRIVE / HOLIDAY PLAZA DRIVE	95%														5%	
31	19	1385	US 30 / LINCOLN HIGHWAY AT MAIN STREET	95%					2. 5%										2.5%
32	1	9727	143RD STREET AT JUSTAMERE ROAD	100%		-													T
33	1	2640	IL 50-IL 83 CICERO AVENUE AT IL 83 147TH STREET / SIBLEYBLYD	1001		T													
34	1	3400	IL 83 SIBLEY BLVD-147TH STREET AT CRAWFORD AVENUE / PULASK! ROAD	100%		T													
35	14	3445	IL 03 SIBLEY BLVD-147TH STREET AT KEELER AVENUE	95%	1	1		<u> </u>	<u> </u>	5%									1
36	14	3455	IL 83 SIBLEY BLVD-147TH STREET AT KILBOURN AVENUE	95%	1			 	 	5%									1
37	ı	4000	127TH STREET AT RIDGELAND AVENUE	100%	†	1		 		<u> </u>									
38	1	4035	135TH STREET AT RIDGELAND AVENUE	100%	†	 		 		ļ —									†
39	16	2220	IL 43 / HARLEM AVENUE AT 123RD STREET	95X	†	†		<u> </u>				5%							1
40	7	2230	IL 43 / HARLEM AVENUE AT 131ST STREET	97.5%	1	†			 			2, 5%							+
41	 	2105	IL 43 / HARLEM AVENUE AT IL 83 / 119TH STREET / COLLEGE DRIVE	100%	†	 				<u> </u>		 							+
42		2225	1L 43 / HARLEM AVENUE AT 128TH STREET	100%	†			 	 	 									+
43		2235	IL 43 / HARLEM AVENUE AT 135TH STREET	100%	-			 	 -			 					 		+
44	16	1903	IL 7 / SOUTHWEST HIGHWAY AT 117TH STREET	95%	\vdash	+			 			5%	<u> </u>					 	+
45	16	1904	IL 7 / SOUTHWEST HIGHWAY AT METRA TRAIN STATION / 114TH PLACE	95%	 	+		 	 	 	 	5%	 					 	-
46	16	3532	IL 63 / CAL SAG ROAD AT 76TH AVENUE	95%	 	 		 	 	<u> </u>	 	 -	 				<u> </u>		-
47	1 1	3505	IL 83 / CAL SAG ROAD AT RIDGELAND AVENUE	100%	1	+		 	 	 	<u> </u>	5½	 				 	ļ	+
48		1633	107TH STREET AT 104TH AVENUE	100%	 	 			 	 		!	-				 	 	+
49	15	1631	HITH STREET AT 84TH AVENUE	95%	-	 		 	 	<u> </u>	 	 						 	+
50	11	3940	HITH STREET AT BOTH AVENUE		-	+		-	 			 	5%			<u> </u>			+
ļ	6	-	111TH STREET AT KEAN AVENUE	96, 7%		 		 	 	 	 	 	3. 3%					 	-
51	 	1632		97.5%		 		<u> </u>	 	<u> </u>		 	2.5%				<u> </u>	<u> </u>	-
5 <i>2</i> 53	15	3942	111TH STREET AT POSSUM ORIVE / COLLEGE PKWY 111TH STREET AT ROBERTS ROAD	95%	-	+			 	<u> </u>			5%			ļ		<u></u>	
54	6	3955	131ST STREET AT ROTH AVENUE	97.5%	-	ļ		 	 		2 514	 	2,5%				<u> </u>	<u> </u>	
	18	1913	· · · · · · · · · · · · · · · · · · ·	952	 	ļ		 	 	<u></u>	2.5%	1	2. 5%				<u> </u>	<u> </u>	+
\$5	1 1	1011	123RD STREET / MCCAPITY ROAD AT WOLF ROAD	100%	1-	+		 	 		ļ	<u> </u>	-				<u> </u>		+
56	17	3975	127TH STREET AT 76TH AVENUE	95%	 			ļ	ļ	ļ	 	<u> </u>		5%					
5.7 5.8	1 1	1899	BOTH AVENUE AT 123RD STREET / MCCARTHY ROAD	100%					ļ	ļ	ļ		ļ						
	1 1 1	1895	IL 7 / SOUTHWEST HIGHWAY AT IL 83 / CAL SAG 80TH AVENUE	100%	1		t .			1			3	i :)	1	1

FILE	NAME EL#
4F [t.	FL .

USER NAME . BUSERS	DESTONED	-	PKG	KEATZED		
	DRAWN	-	EA. EB. WC	REVISED	-	
PLOT SCALE . *SCALE*	CHECKED	-	PKG	REVISED	-	
 PLOT DATE . *DATE*	DATE	-	8/15/2013	REVISED	•	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

		SI	IMMAI	RY OF QUA	NTITIES		F.A.B. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
				HEET 1 OF			VAR.	2013-04075	COOK	84	05
			, ,						CONTRACT	NO.	60W85
E: N.T.S.	SHEET	NO.	OF	SHEETS	STA.	TO STA.	FEO. ROAD (IST. NO ILLINOIS FED	. AID PROJECT		

	SUMMARY OF QUANTITIES HEADING LEGEND					RETE	LEMONT		MARKHAM	MATTESON	MIDLOTHIAN			PALOS	PALOS	WAL-MART	LINCOLN		MATTESON TOWN	
	FUNDING PARTICIPATION							TOWNSHIP			Notes to the second sec	TOWNSHIP	HEIGHTS	HILLS	PARK	STORE. INC.	MALL		FORSITE REALTY	r
LOCATION	COLUMN	15 •	INTERSECTION	1000	Westerde W. Stender					Average of the second	***************************************		***	and the same of th				PROPERTY GROUP, INC	PARTNERS, LLC	
59	8	3530	IL 83 / CAL SAG ROAD AT 119TH STREET	97.5	7.								*******		2, 5%					
60	1	1690	US 45 / LAGRANGE ROAD AT 123RD STREET / MCCARTHY ROAD	1009									-							
61	5	1007	123AD STREET / MCCARTHY ROAD AT WILL COOK ROAD	97.5	4							2. 5%								
6,2	I.	5190	GOVERNORS HIGHWAY AT SAUK TRAIL	100																
63	1	2615	IL SO CICERO AVE AT SAUK TRAIL	1007													I			
64	1	1865	IL 1 / CHICAGO AT STEGER ROAD	100												-				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	F.A.B. RTE.	SECTI
(SHEET 2 OF 5)	VAR.	2013-04
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. RO	AD DIST. NO. I

F.A.B. SECTION COUNTY TOTAL SHEET NO. VAR. 2013-04015 COOK 84 06 CONTRACT NO. 60W85

				1	2	3	4	5	6	7	8 9	10	1	12	13 1	4 15	16	17 1	8 19	20	21	22 2	23 24
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		TINU	TOTAL QUANTITY									TRA	FF:	ΙC	SIC	ANAL	-						
CODE NUMBER	ITEM									•			U	IRBA	١N		····						
					WAAAA																		
67000400	ENGINEER'S FIELD OFFICE. TYPE A	CAL MO	6	6										***************************************	_	***************************************			_	-	1		
67100100	MOBILIZATION	L SUM	1	·	-				erieden de			-											
												1					-						
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM		******						***************************************									-	-			-
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	64	28	1	1	2	1	2		1 1	1	V.viv.A	2	5	2 2	4	1 1	. 1	1	1	1	1 2
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	86	32			5	6			3	3			14		2		2	4	2	2	4 7
88030050	SIGNAL HEAD, LED. 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	47	21	4			2		2	2 3	2	er annual de la company de la		6	***************************************	3					2	
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4				2				-						1						1
88030080	SIGNAL HEAD, LED. 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5	2	-		2								**************************************								1
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	42	16			2	2			******	2	valida Arabana		8				1	4	2		4
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	107	48	4		2	2		2	2 1	1	***************************************		10		4		2	4	6	3	8 8
88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	12	3						diameter of the state of the st	2 1				***************************************		3		1			1	
88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	8	3		******	TO A CONTRACT OF THE PARTY OF T				***************************************							***************************************			2		2 1
88030230	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	4	2	BANKAN MINISTRATION AND AND AND AND AND AND AND AND AND AN	Part of the latest of the late	***************************************							Armanda Armand			Annual An						1
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	47	23	4	-				1	2	1			6		14		2			3	1
-43.			-	1-	<u> </u>	1						*******	*******			***	1						

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SCALE: N.T.S.	SHEET NO.	0F	SHEETS	STA.	TO STA.

F.A.B. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2013-040TS	COOK	84	07
		CONTRACT	NO. 6	OW85
FED. R	DAD DIST. NO ILLINOIS FED. A	ID PROJECT		

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		UNIT	TOTAL	TRAFFIC SIGNAL																			
CODE NUMBER	ITEM			URBAN																			
					***************************************		***************************************							-	***************************************	-	-		-				
88030250	SIGNAL HEAD, LED. 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1									ļ			***************************************		***************************************						1
00030210	CIONAL UEAD ICO 7 FACE 2 CECTION ODACKET MOUNTED	EACH	1	4	- Anna -			-		_	+	***************************************			***************************************		Asserta	-	- Annahampa Anna	-			
88030310	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH						-		\dashv	+	-	<u> </u>	-	***************************************		-	-			-		
88030315	SIGNAL HEAD, LED, 3-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	4																			
88030320	SIGNAL HEAD, LED. 3-FACE, 1-3 SECTION, 2-5 SECTION, BRACKET MOUNTED	EACH	3	2	***************************************			<u> </u>	1	_	+		-			***************************************							
															***************************************				1				
88030330	SIGNAL HEAD, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	5	3		-	+	-	1	-	+	***************************************			***************************************	-			1				
88055160	OPTICALLY PROGRAMMED SIGNAL HEAD, LED. 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	9	9			-	-					-				_		1		-		
88055165	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	quarty	1												***************************************							
88055190	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	2		-					-					***************************************	-		-				
00055000		~	4									The state of the s							1				
88055200	OPTICALLY PROGRAMMED SIGNAL HEAD. LED. 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4	4				-											-				
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER	EACH	83	34			2	5		2	2		6	10	4	6	4 /	4					4
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER	EACH	32	12		-	1	11-2			1			4	6	1			-	4			2
88102757	PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER	EACH	1					1						ALTERNATION OF THE PROPERTY OF	***************************************			artere de constante de constant					
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	ЕАСН	211	95	4		8 8		2	2 4	1 4			24			6	We manufacture the second seco	4	8	8 5	5 12	16
	THE TO STATE DIGHT LATE, EVEN CALLY PLANTING	L-1011	- * *					-		-	+	***************************************		- '			+	-	+	+			
88800100	PEDESTRIAN PUSH-BUTTON	EACH	34	14			1	1		- 2	2		6	6		2	4						
<u> </u>				İ			1	and the same of th				<u></u>						***************************************					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.B. SECTION COUNTY TOTAL SHEET NO.
VAR. 2013-04075 COOK 84 08
CONTRACT NO. 60W85

FED. ROAD DIST. NO. . [ILLINOIS] FED. AID PROJECT

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NUMBER	ITEM			URBAN																			
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	64	30	1	1	2 1	0	-	1	4	1				<u> </u>		***************************************		<u> </u>			
03002210	MODITI EXISTING CONTROLLER CADINET	EACH	64	28	1		4 1	12	1	-	1	1	1 4	2 5	2	2	4	-	1	1	$\frac{1}{1}$	1 1	. 2
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	51	21	*****		1 1	1	1	1	44	1		2 5	2	2	3	1	1	1	1	1	2
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	62	27		-	2 1	2	***************************************	1	1	1	1 2	2 5	2	1	4	- Anna	1		1	1	1 2
X8880015	PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	82	36			3	5	-			3		8	10	5	***************************************	2		4			6
88060155	COMBINATION SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION OPTICALLY PROGRAMMED, 1-5 SECTION. BRACKET MOUNTED	EACH	e made		WATER-AND TO A TRANSPORT TO THE STREET OF TH	***************************************			The state of the s														
20076604	TRAINEES - TRAINING PROGRAM GRADUATE	Hours	500	500		+					-				 			+	+	+	+-	+	+

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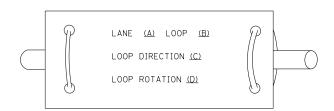
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		Ş	UMMAI	RY OF QUA	NTITIES		F.A.B. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
			(SI	EET 5 OF	5)		VAR.	2013-040TS	COOK	84	09
		T = 2							CONTRACT	NO.	OW85
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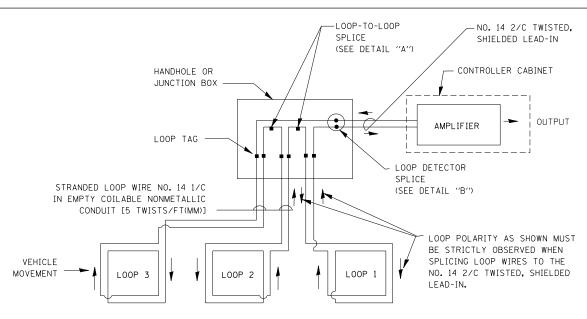
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

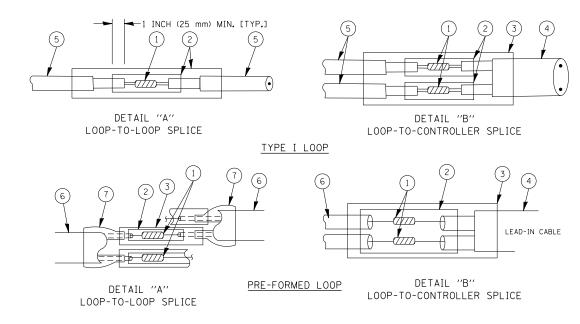


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETECTOR LOOP WIRING SCHEMATIC

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



LOOP DETECTOR SPLICE

- $\hfill \hfill
- (2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- (3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- (4) NO. 14 2/C TWISTED, SHIELDED CABLE.
- (5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- (6) PRE-FORMED LOOP

STALF:

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

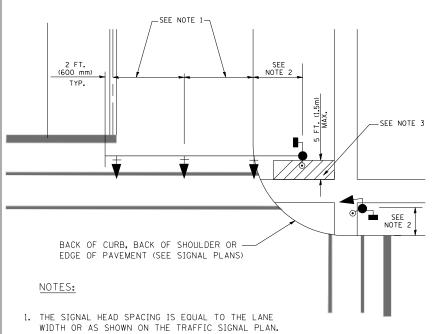
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DIS	STRICT	ONE		F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TANDARD TRAFFI	C SIGNA	LI DEGICE	VI DETAILS	VAR.	2013-040TS	COOK	84	10
TANDAND INALLI	C 31011/	AL DESIG	1 DETAILS			CONTRACT	NO. 60)W85
SHEET NO. 1 OF 6	SHEETS	STA.	TO STA.	FED. RC	AD DIST. NO. ILLINOIS FED.	AID PROJECT		

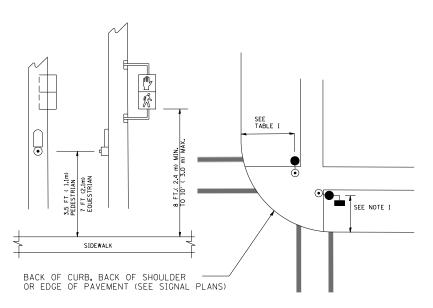
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

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



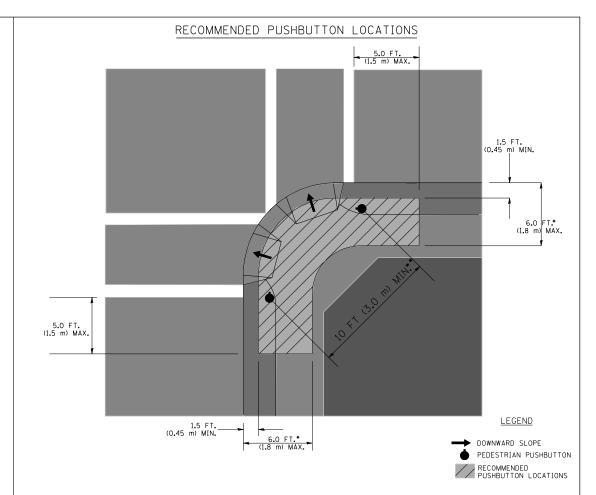
- 2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- 3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
- 4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO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

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

NOTES:

- 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 POSITIONED 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.

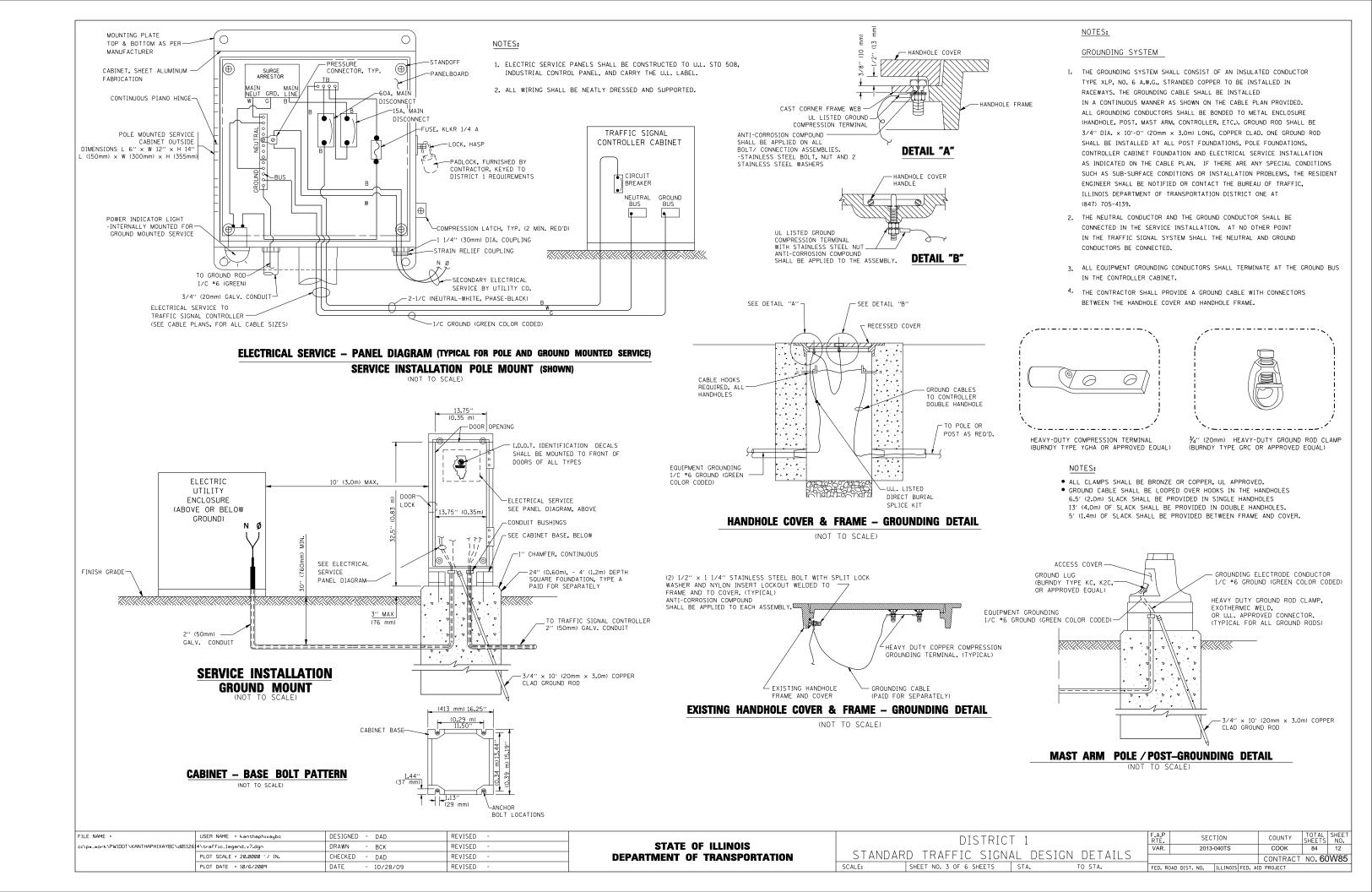
TRAFFIC SIGNAL EQUIPMENT OFFSET

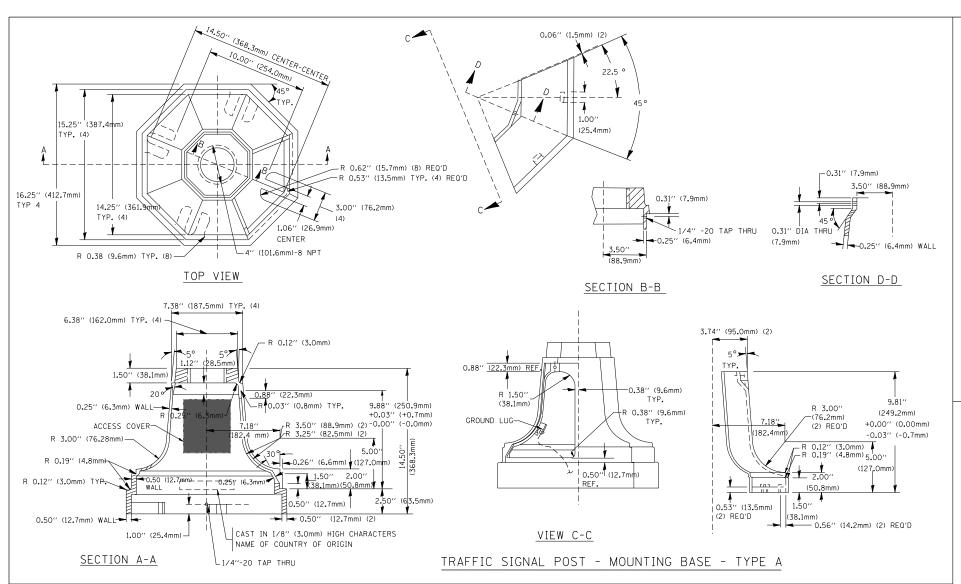
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

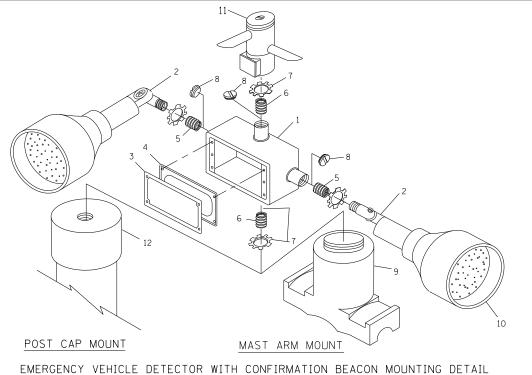
NOTES:

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

DESIGNED - DAG REVISED FILE NAME : USER NAME = kanthaphixaybo SECTION COUNTY DISTRICT 1 STATE OF ILLINOIS c:\pw_work\PWIDOT\KANTHAPHIXAYBC\d01126|4\traffic_legend_v7.dq DRAWN REVISED - BCK COOK 2013-040TS 84 11 STANDARD TRAFFIC SIGNAL DESIGN DETAILS CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** LOT SCALE = 20.0000 '/ IN. - DAD CONTRACT NO. 60W85 SHEET NO. 2 OF 6 SHEETS STA. PLOT DATE = 10/6/2009 DATE - 10/28/09 REVISED FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT



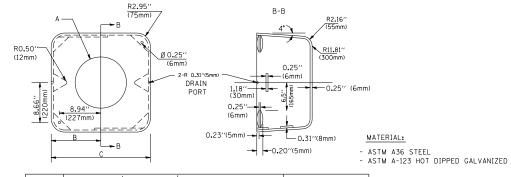




ITEM	NO. IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4"(19 mm) CLOSE NIPPLE
7	3/4''(19 mm) LOCKNUT
8	3/4''(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

- 1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- 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 34"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.

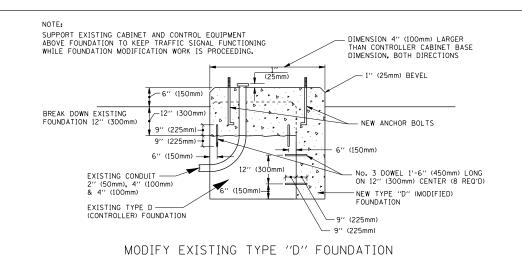


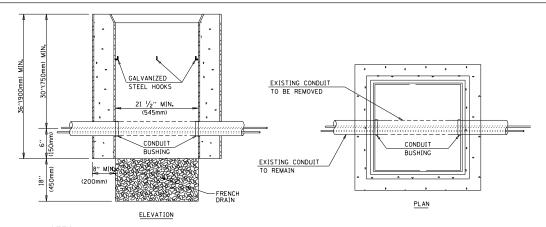
Α	В	С	HEIGHT	WEIGHT
VARIES	9.5′′(241mm)	19''(483mm)	7'' (178mm) - 12'' (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0''(330mm)	26''(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5''(470mm)	37''(940mm)	7" (178mm) - 12" (300mm)	126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

SHROUD

NOTES:

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



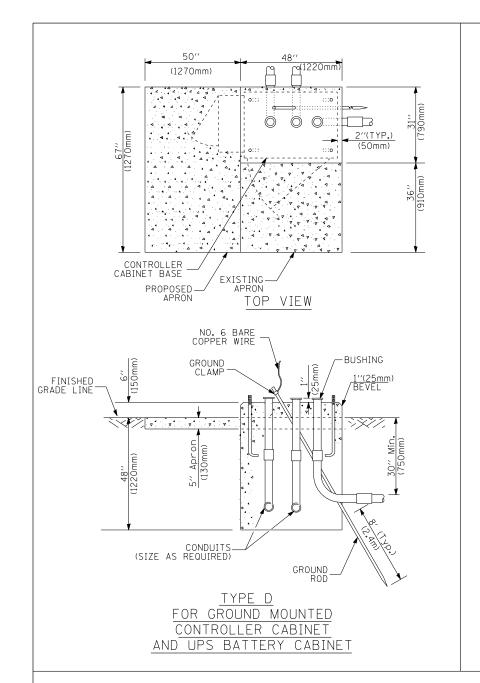


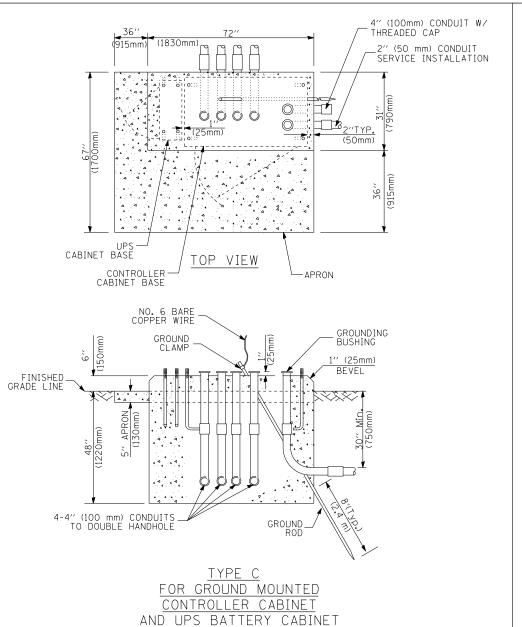
NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME =	USER NAME = kanthaphixaybo	DESIGNED - DAG	REVISED -			DISTRIC	T 1		F.A.P RTF	SECTION	COUNTY	TOTAL SHEET
c:\pw_work\PWIDOT\KANTHAPHIXAYBC\d0112	64\traffic_legend_v7.dgn	DRAWN - BCK	REVISED -	STATE OF ILLINOIS	CTAND	ADD TDAFFIC CICA		NI DETAILC	VAR.	2013-040TS	COOK	84 13
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DAD	REVISED -	DEPARTMENT OF TRANSPORTATION	STAND	<u>ard traffic sign</u>	AL DESIG	N DETAILS			CONTRACT	NO. 60W85
	PLOT DATE = 10/6/2009	DATE - 10/28/09	REVISED -		SCALE:	SHEET NO. 4 OF 6 SHEETS	STA.	TO STA.	FED. ROAD DIST. N	O. ILLINOIS FED.	AID PROJECT	





65" (SEE NOTE 4) (1651mm) 49" (SEE NOTE 3) 1245mm) 44" (406mm) (1118mm) (21/2) (64mm) 1" (25mm) WOOD FRAMING (TYP.)	SEE NOTE 5 SEE NOTE 5 SEE NOTE 5 SEE NOTE 5 TRAFFIC SIGNAL CONTROLLER CABINET
CABINET	¾′′ (19mm) TREATED
	PHYWOOD DECK
	2" × 6" (51mm × 152mm) TREATED WOOD
	48" MIN. (305mm)
NOTES:	6" x 6" (152mm x 152mm) TREATED WOOD POSTS
BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF	F 26" × 44" (660mm × 1118mm).

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

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30′ (9.1 m)	10'-0'' (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to	13'-6'' (4.1 m)	30'' (750mm)	24" (600mm)	8	6(19)
30' (9.1 m) and less than 40' (12.2 m)	11'-0'' (3.4 m)	36'' (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0'' (4.0 m)	36" (900mm)	30'' (750mm)	12	7(22)
Greater than or equal to 50′ (15.2 m) and up to 55′ (16.8 m)	15'-0'' (4.6 m)	36" (900mm)	30'' (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0'' (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0'' (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

- 1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (0u) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
- 2. Combination most arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- 3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
- 4. For mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

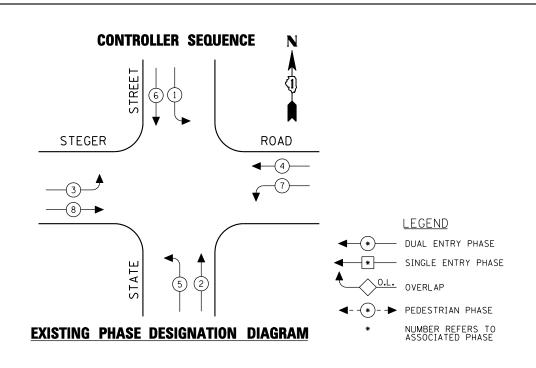
TOTAL SHEET SHEETS NO. 84 14

CONTRACT NO. 60W85

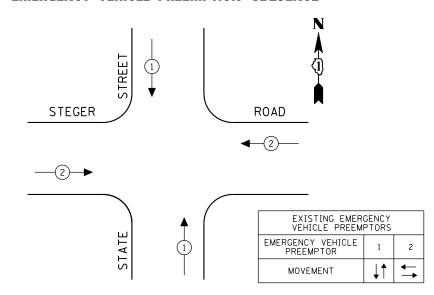
FILE NAME =	USER NAME = kanthaphixaybc	DESIGNED -	- DAG	REVISED -			DISTRIC	T 1		PTE	SECTION	COUNTY
c:\pw_work\PWIDOT\KANTHAPHIXAYBC\dØ1126	4\traffic_legend_v7.dgn	DRAWN	- BCK	REVISED -	STATE OF ILLINOIS	G T 1 1 1 D 1		1 1	N. DETAIL C	VAR,	2013-040TS	СООК
	PLOT SCALE = 20.0000 '/ IN.	CHECKED -	- DAD	REVISED -	DEPARTMENT OF TRANSPORTATION	STANDA	RD TRAFFIC SIGN	NAL DESIG	N DETAILS			CONTRACT
	PLOT DATE = 10/6/2009	DATE	10/28/09	REVISED -		SCALE:	SHEET NO. 5 OF 6 SHEETS	STA.	TO STA.	FED. ROAD DI	ST. NO. ILLINOIS FED	D. AID PROJECT

TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET	R	$\overline{\boxtimes}$		EMERGENCY VEHICLE LIGHT DETECTOR	 R ≪	₩	——	ELECTRIC CABLE IN CONDUIT, TRACER,			<u> </u>
RAILROAD CONTROL CABINET		<u> </u>	<u> </u>	CONFIRMATION BEACON	R_{o-1}	0-0	•-	NO. 14 1/C, UNLESS NOTED OTHERWISE		~	
COMMUNICATIONS CABINET	C C R	E C C	СС		R □		-	COAXIAL CABLE		<u> </u>	
MASTER CONTROLLER		EMC	MC	HANDHOLE						~/	
MASTER MASTER CONTROLLER	D	EMMC	MMC	HEAVY DUTY HANDHOLE	R	H	H	VENDOR CABLE FOR CAMERA			
UNINTERRUPTIBLE POWER SUPPLY	UPS	EUPS	UPS	DOUBLE HANDHOLE	R S			COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED		<u>—</u>	<u></u>
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT	-□- ^R	- <u></u> -	- -	JUNCTION BOX GALVANIZED STEEL CONDUIT	R	<u> </u>	•	FIBER OPTIC CABLE NO. 62.5/125, MM12F		—(12F)—	
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT	R	P	P	IN TRENCH (T) OR PUSHED (P) TEMPORARY SPAN WIRE, TETHER WIRE,	R			FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F		— <u>(24</u> F)—	—(24F)—
STEEL MAST ARM ASSEMBLY AND POLE	R O	0	•	AND CABLE				FIBER OPTIC CABLE NO. 62.5/125,			
ALUMINUM MAST ARM ASSEMBLY AND POLE	R	0		COMMON TRENCH			СТ	(NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)		-	——
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE	^R O→¤	0-×	• ×	COILABLE NONMETALLIC CONDUIT (EMPTY) SYSTEM ITEM		S	CNC S	GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM,		c ∥⊩∾	C III—●
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA	R [PTZ]]	Q——— PTZ1	PTZ	INTERSECTION ITEM		I	ΙP	OR (S) SERVICE		'II-•	" -
SIGNAL POST	R _O	0	•	REMOVE ITEM	R			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED	RCF		
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM	R⊗	\otimes	•	RELOCATE ITEM ABANDON ITEM	RL A			STEEL MAST ARM POLE AND	RMF		
GUY WIRE	R	>	>	12" (300mm) TRAFFIC SIGNAL SECTION		R	R	FOUNDATION TO BE REMOVED			
SIGNAL HEAD	R 		-	12" (300mm) RED WITH 8" (200mm)		R		ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED	RMF		
SIGNAL HEAD CONSTRUCTION STAGES NUMBERS INDICATE THE CONSTRUCTION STAGE)			→ ²	YELLOW AND GREEN TRAFFIC SIGNAL FACE				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND	RMF O-X		
SIGNAL HEAD WITH BACKPLATE	+	+->	+-			(R)	R	FOUNDATION TO BE REMOVED			
SIGNAL HEAD OPTICALLY PROGRAMMED	R —⊳′′P′′	- >″p″	-▶ "P"	SIGNAL FACE			G 4 Y	SIGNAL POST AND FOUNDATION TO BE REMOVED	RMF O		
FLASHER INSTALLATION IS DENOTES SOLAR POWER)	O-D''F''	O- ⊳ ″F″	● ►"F"			◆ ©	◆ ∀ G	INTERSECTION & SAMPLING (SYSTEM) DETECTOR		[IS]	IS
PEDESTRIAN SIGNAL HEAD	R -□	-0	-1			R	R	SAMPLING (SYSTEM) DETECTOR		[<u>s</u>]	S
PEDESTRIAN PUSHBUTTON DETECTOR	R	©	•	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD		() ()	G	EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	1R	[P]	
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR	R APS	@APS	APS O APS APS				◆ Y ◆ G	EXISTING PREFORMED INTERSECTION LOOP DETECTOR			
ILLUMINATED SIGN "NO LEFT TURN"	R		⑤	12" (300mm) PEDESTRIAN SIGNAL HEAD		"P"	"P"	PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR)R	† — †	- →
ILLUMINATED SIGN	R (C)			WALK/DON'T WALK SYMBOL		(W)		(SYSTEM) DETECTOR		PIS	PIS
'NO RIGHT TURN''			®	12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				PREFORMED SAMPLING (SYSTEM) DETECTOR		IPSI	[PS]
DETECTOR LOOP, TYPE I		[_]					•		_		
PREFORMED DETECTOR LOOP			Р	12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID		(*	RAILROAD	SYMBO	ls	
MICROWAVE VEHICLE SENSOR	R (M)	(M)	M	PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER		(C) C	C AD			EXISTING	PROPOSED
VIDEO DETECTION CAMERA	R V)	(V)	$\widehat{\mathbb{V}}$	RADIO INTERCONNECT	##*O	##+0		RAILROAD CONTROL CABINET			▶ •
VIDEO DETECTION ZONE				RADIO REPEATER	R ERR	ERR	RR	RAILROAD CANTILEVER MAST ARM	Σ	X OZ X X	XeX X X
PAN, TILT, ZOOM CAMERA	R PīZ]]	PTZ[1]	PTZ I	DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE,				FLASHING SIGNAL		∑o ∑	X - X
WIRELESS DETECTOR SENSOR	RW	W	W	ALL DETECTOR LOOP CABLE TO BE SHIELDED		73)—	~ <u>~</u>	CROSSING GATE		X0 X>	X 0 X
WIRELESS ACCESS POINT	R			GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)		(1)	(1)	CROSSBUCK		≥ ≤	*
E NAME = USER NAME = kanthaphixa pw.work\PWIDDT\KANTHAPHIXAYBC\d011261 4\traffic.legend.v7.dgn		ESIGNED - DAG/BCK RAWN - BCK	REVISED REVISED	- - - STATF	OF ILLINOIS	 S		DISTRICT 1	F.A.P RTE. VAR.	SECTION 2013-040TS	COUNTY TOTAL SHEETS
PLOT SCALE = 20.0000 '/		HECKED - DAD	REVISED	DEPARTMENT				STANDARD TRAFFIC SIGNAL DESIGN DETAILS	VAN.	2010-04013	CONTRACT NO. 60



EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAF ELECTR	TOTAL						
TYPF	NO LAMPS	WATT	AGE ,	%OPERATION	WATTAGE		
11112	NO LAW 5	INCAND. LED		Î J			
SIGNAL (RED)	16	135	17	0.50	136.00		
(YELLOW)	16	135	25	0.25	100.00		
(GREEN)	16	135	15	0.25	60.00		
ARROW	16	135	12	0.10	19.20		
PED. SIGNAL		90	25	1.00			
CONTROLLER	1	100	100	1.00	100.00		
ILLUM. SIGN		84		0.05			
FLASHER		135	25	0.50			
ENERGY COSTS T	0:			TOTAL =	415.20		
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096							
ENERGY SUPPLY	CONTACT: XXX	XXXXX					

PHONE: (XXX) XXX-XXXX

SCHEDULE OF QUANTITIES

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

R Y G +Y +G STEGER ROAD SPECIAL **↑** ↑ C ≺ R o ≺ ฆ — 5 α ≻ ∪ ↓ ↓ ↓ R R **CABLE PLAN** (NOT TO SCALE)

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

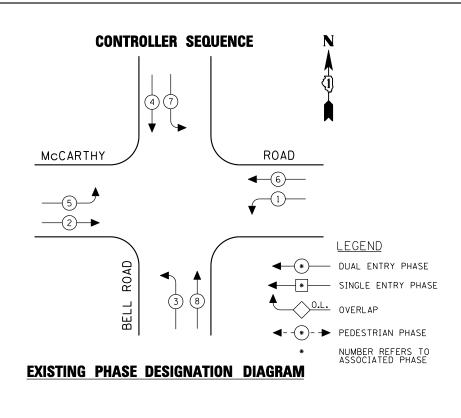
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION WITH 12" RED INDICATION SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	TRAFFIC SIGNAL BACKPLATE

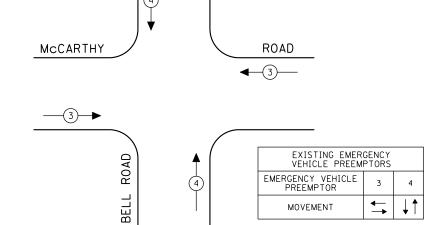
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 5790 CRETE

	COMPANY: COM	MUNWEALTH EDISON															CITETE	
FILE NAME =		USER NAME = \$USER\$	DESIGN	NED - PKG	REVISED -		so	HEDULE OF O	UANTITII	IES. CABL	E PLA	N. PHASE DESI	GNATION	F.A.P.	SECTION	COUNT	Y TO	TAL SHEET
\$FILEL\$			DRAWN	- EA, EB, WC	REVISED -	STATE OF ILLINOIS		DIAGRAM	AND E	EMERGEN	CY VE	HICLE PREEMP		VAR.	2013-040TS	COOK	, 3	84 16
		PLOT SCALE = \$SCALE\$	CHECKI	ED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION			STATE F	ROAD A	T SEGI	ER ROAD				CONTR		0. 60W85
		PLOT DATE = \$DATE\$	DATE	- 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO.	. OF	SHE	ETS	STA.	TO STA.	FED. R	ROAD DIST. NO ILLINOIS F	ED. AID PROJECT		



EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAF								
TYPE	TOTAL WATTAGE							
	NO LAMPS :	INCAND.	LED ´	•				
SIGNAL (RED)	12	135	17	0.50	102.00			
(YELLOW)	12	135	25	0.25	75.00			
(GREEN)	12	135	15	0.25	45.00			
ARROW	16	135	12	0.10	19.20			
PED. SIGNAL		90	25	1.00				
CONTROLLER	1	100	100	1.00	100.00			
ILLUM. SIGN		84		0.05				
FLASHER		135	25	0.50				
ENERGY COSTS T	0:			TOTAL =	341.20			
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096								
ENERGY SUPPLY CONTACT: XXX XXXXX								
	PHONE: (XXX) XXX-XXXX							
	COMPANY: COM	IMONWEA	TH EDI	SON				

SCHEDULE OF QUANTITIES

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

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

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CABLE PLAN

(NOT TO SCALE)

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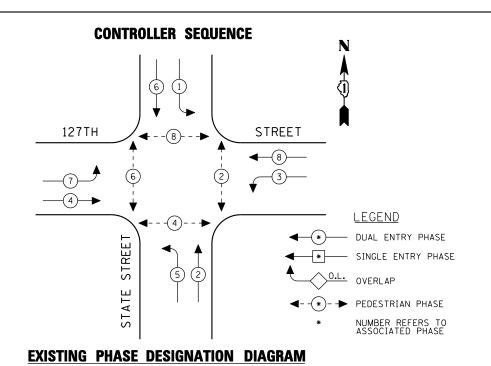
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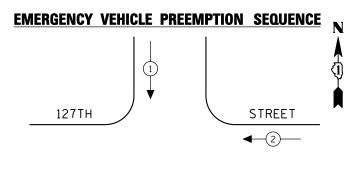
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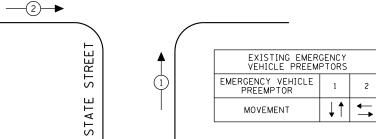
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 1009 LEMONT

FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		SCHEDULE OF QUANTITIES CABLE PLAN. PHASE DESIGNATION	F.A.P. SECTION	COUNTY TOTAL SHEET
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION	VAR. 2013-040TS	COOK 84 17
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	McCARTHY ROAD AT BELL ROAD		CONTRACT NO. 60W85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO ILLINOIS FED.	AID PROJECT







TRAF ELECTR	TOTAL						
TYPE	NO LAMPS :	WATT		%OPERATION	WATTAGE		
		INCAND.	LED				
SIGNAL (RED)	12		17	0.50	102.00		
(YELLOW)	12		25	0.25	75.00		
(GREEN)	12		15	0.25	45.00		
ARROW	16		12	0.10	19.20		
PED. SIGNAL	8		25	1.00	200.00		
CONTROLLER	1		100	1.00	100.00		
ILLUM. SIGN				0.05			
VEH. DETECTION			5	1.00			
FLASHER				0.50			
ENERGY COSTS T	0:			TOTAL =	541.20		
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096							
ENERGY SUPPLY	CONTACT: XXX	XXXXX					
	PHONE: (XX)	() XXX-X	XXX				

SCHEDULE OF QUANTITIES

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

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

CABLE PLAN

(NOT TO SCALE)

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STREET

PUSH-BUTTON NOTES:

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

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.

TS# 22195 LEMONT

	COMPANY: COMMONWEALTH EDISON						LEMONT
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION	F.A.P. SECTION	COUNTY TOTAL SHEET
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION	VAR. 2013-040TS	COOK 84 18
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	127TH STREET AT STATE STREET		CONTRACT NO. 60W85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO ILLINOIS FED. A	

-NO. 6

P.B. "C"

127TH

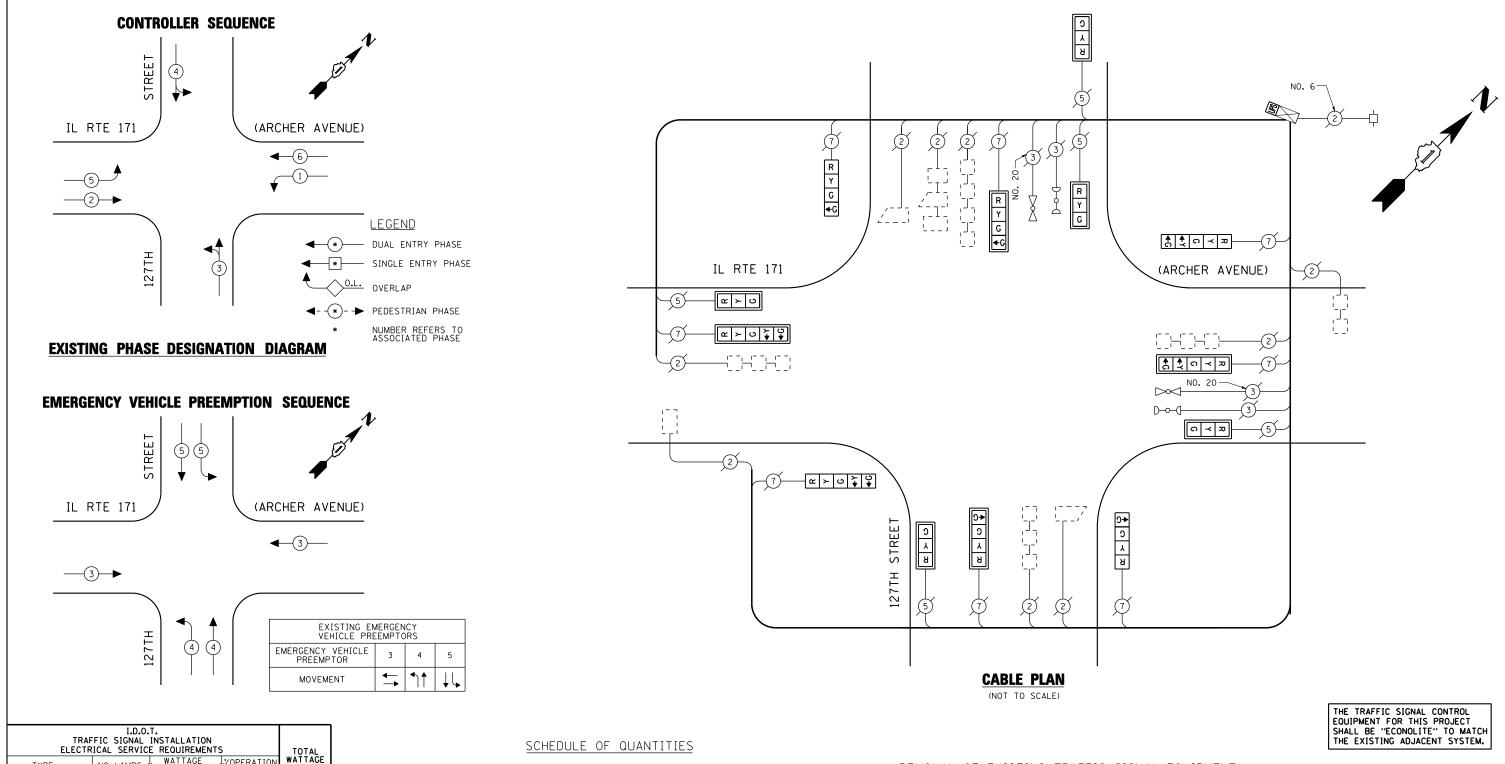
-NO. 20

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STREET

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FACH

WATTAGE TYPE NCAND. LED QUANTITY <u>UNIT</u> (YELLOW) (GREEN) EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED EACH PED. SIGNAL CONTROLLER ILLUM. SIGN EACH SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED EACH SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED FACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM ENERGY COSTS TO: TOTAL = MODIFY EXISTING CONTROLLER CABINET ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

ENERGY SUPPLY CONTACT: XXX XXXXX

PHONE: (XXX) XXX-XXXX

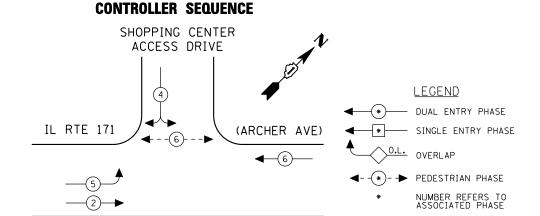
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

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

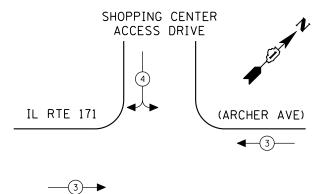
TS# 2226 LEMONT

COMPANY: COMMONWEAL TH EDISON USER NAME = \$USER\$ PKG REVISED FILE NAME DESIGNED -SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SECTION COUNTY STATE OF ILLINOIS \$FILEL\$ DRAWN EA, EB, WC REVISED VAR. 2013-040TS COOK 84 19 IL RTE 171 (ARCHER AVENUE) AT 127TH STREET CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W85 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. PLOT DATE = \$DATE\$ DATE 8/15/2013 REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

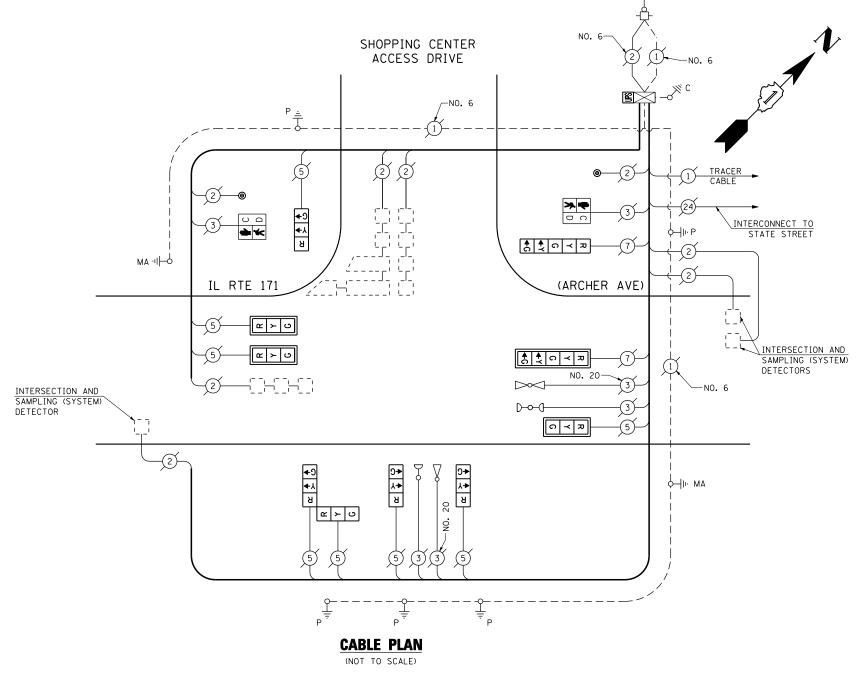


EXISTING PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS						
EMERGENCY VEHICLE PREEMPTOR	3	4				
MOVEMENT	←	+				



SCHEDULE OF QUANTITIES

TRAF ELECTR	TOTAL									
TYPE	WATTAGE									
	NO LAMPS)	INCAND.	LED	,						
SIGNAL (RED)	10	135	17	0.50	85.00					
(YELLOW)	10	135	25	0.25	62.50					
(GREEN)	10	135	15	0.25	37 . 50					
ARROW	4	135	12	0.10	4.80					
PED. SIGNAL	2	90	25	1.00	50.00					
CONTROLLER	1	100	100	1.00	100.00					
ILLUM. SIGN		84		0.05						
FLASHER		135	25	0.50						
ENERGY COSTS T		133	23	TOTAL =	339.80					
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096										
ENERGY SUPPLY CONTACT: XXX XXXXX										
PHONE:(XXX) XXX-XXXX										
(COMPANY: COM	IMONWEA	LTH EDI	SON						

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

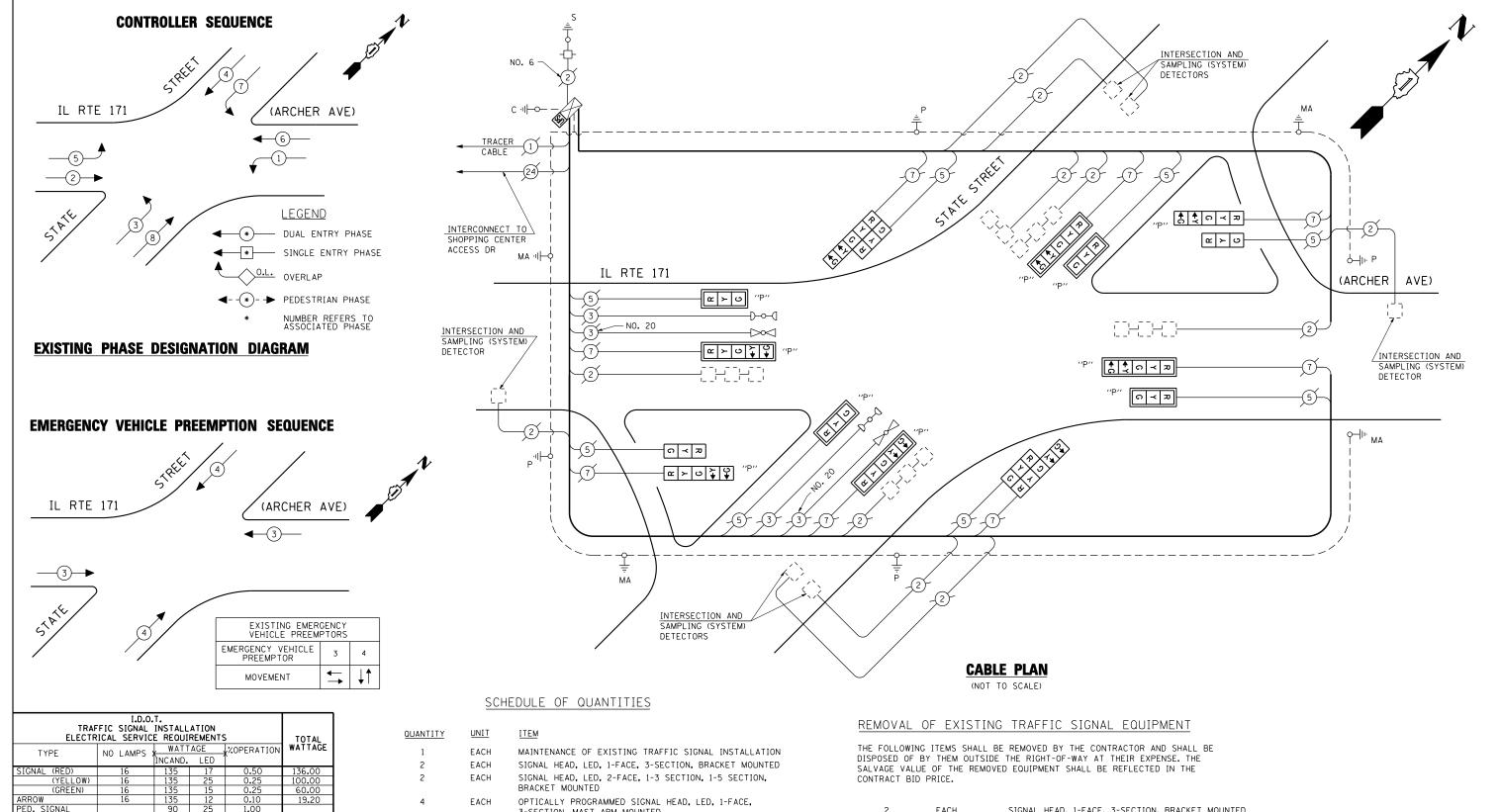
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

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

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

TS# 3567 LEMONT

FILE	NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION	F.A.P. SECTION	COUNTY TOTAL SHEE
\$FILE	L\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE	VAR. 2013-040TS	COOK 84 20
		PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 171 (ARCHER AVE) AT SHOPPING CENTER ACCESS DRIVE /TARGET ENTRANCE		CONTRACT NO. 60W8
		PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO ILLINOIS	ED. AID PROJECT



TRAF ELECTR	TOTAL											
TYPE	TYPE NO LAMPS * WATTAGE *:OPERATION											
	INCAND. LED											
SIGNAL (RED)	16	135	17	0.50	136.00							
(YELLOW)	16	135	25	0.25	100.00							
(GREEN)	16	135	15	0.25	60.00							
ARROW	16	135	12	0.10	19.20							
PED. SIGNAL		90	25	1.00								
CONTROLLER	1	100	100	1.00	100.00							
ILLUM. SIGN		84		0.05								
FLASHER		135	25	0.50								
ENERGY COSTS T	0:			TOTAL =	415.20							
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096												
ENERGY SUPPLY	CONTACT: XXX	XXXXX										
	PHONE: (XX)	() XXX-)	XXX									
1	COMPANY COM	IN A ON IMPER	TH EDI	CON								

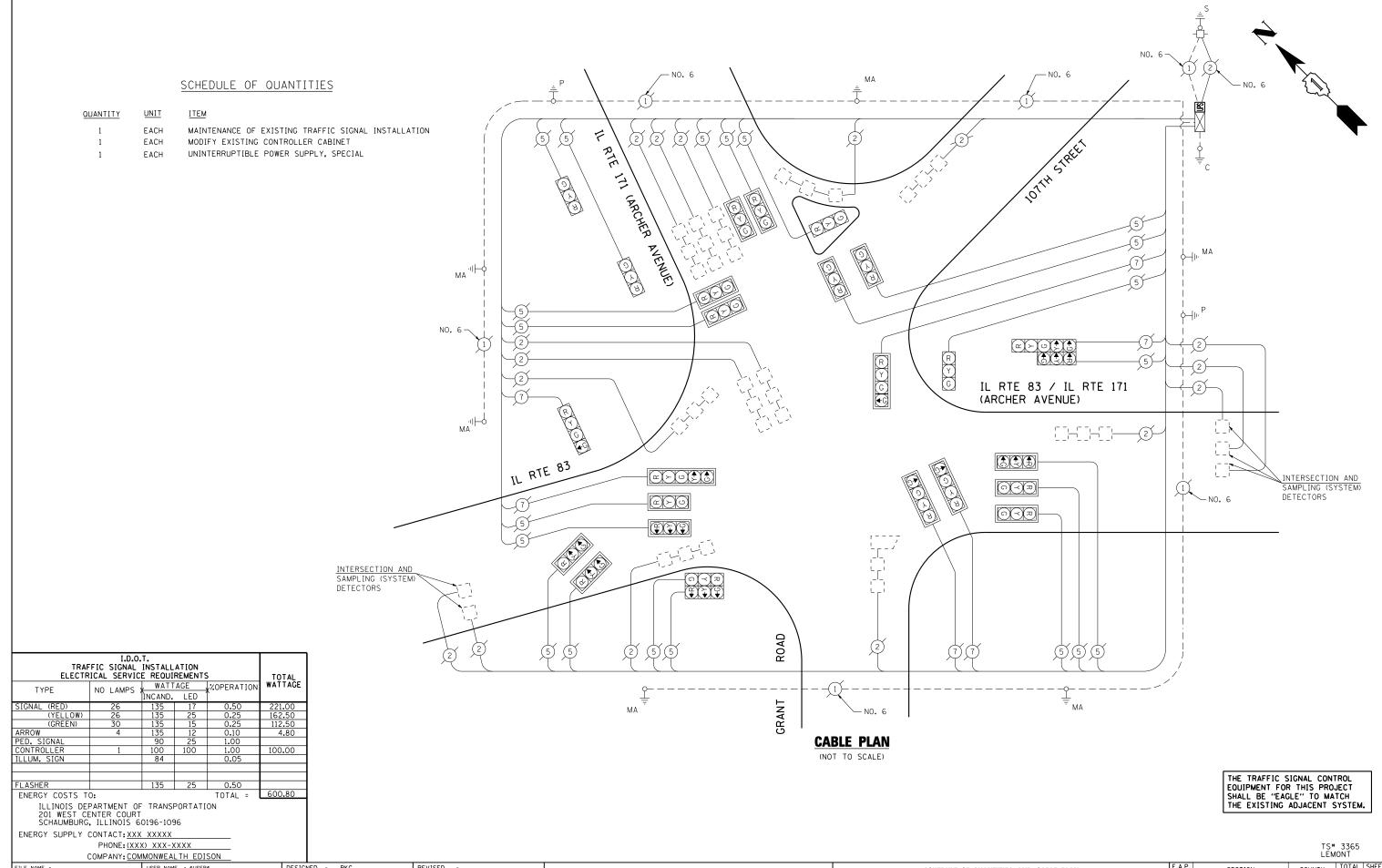
QUANTITI	DIVI	1 1 E IVI
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTE
2	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	OPTICALLY PROGRAMMED 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
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

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

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

TS# 3565 LEMONT

COMPANY: CO	MMONWEALTH EDISON									LEN	MONT	
FILE NAME =	USER NAME = \$USER\$	DESIGN	NED -	- PKG	REVISED -		SCHEDULE OF QUANTITIES. CABLE PLAN, PHASE DESIGNATION	F.A.P.	SECTION	COUNTY	TOTAL	- SH
\$FILEL\$		DRAWN	-	- EA, EB, WC	REVISED -	STATE OF ILLINOIS	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION	VAR.	2013-040TS	соок	84	+
	PLOT SCALE = \$SCALE\$	CHECKE	ED -	- PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 171 (ARCHER AVENUE) AT STATE STREET			CONTRACT	T NO.	60W
	PLOT DATE = \$DATE\$	DATE	-	- 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD	DIST. NO ILLINOIS FED.			



COUNTY TOTAL SHEETS NO. COOK 84 22 FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED SCHEDULE OF QUANTITIES AND CABLE PLAN IL RTE 171 (ARCHER AVENUE) AT IL RTE 83 /107TH STREET /GRANT AVENUE (SHEET 1 OF 2) SECTION COUNTY STATE OF ILLINOIS \$FILEL\$ DRAWN EA, EB, WC REVISED 2013-040TS VAR. CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W85 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. PLOT DATE = \$DATE\$ DATE 8/15/2013 REVISED

FOR INFORMATION ONLY

SEQUENCE OF OPERATIONS

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RECORD DRAWINGS

Lyons / Pinnar Electric Inc.

(708) SHH-6800

SUPLINISING ELECTRICAN

BE VISIONS
ROAD
DATE

TON ENCINEERING

B S. BOTHELL STORY
PALETING SLIPERING STORY
RES MINISTER SLIPERING

ILLINOIS DEPARTMENT OF TRANSPORTATION

SECLENCE OF OPERATIONS OF ROLDS IN GRAPEN AVENUE AT IL ROLDS ES LEMENT, BLIVORS

DATE OFFICE

DESCRIPTORY
DESCRIPTORY
DESCRIPTORY

GRICGED DV 17M

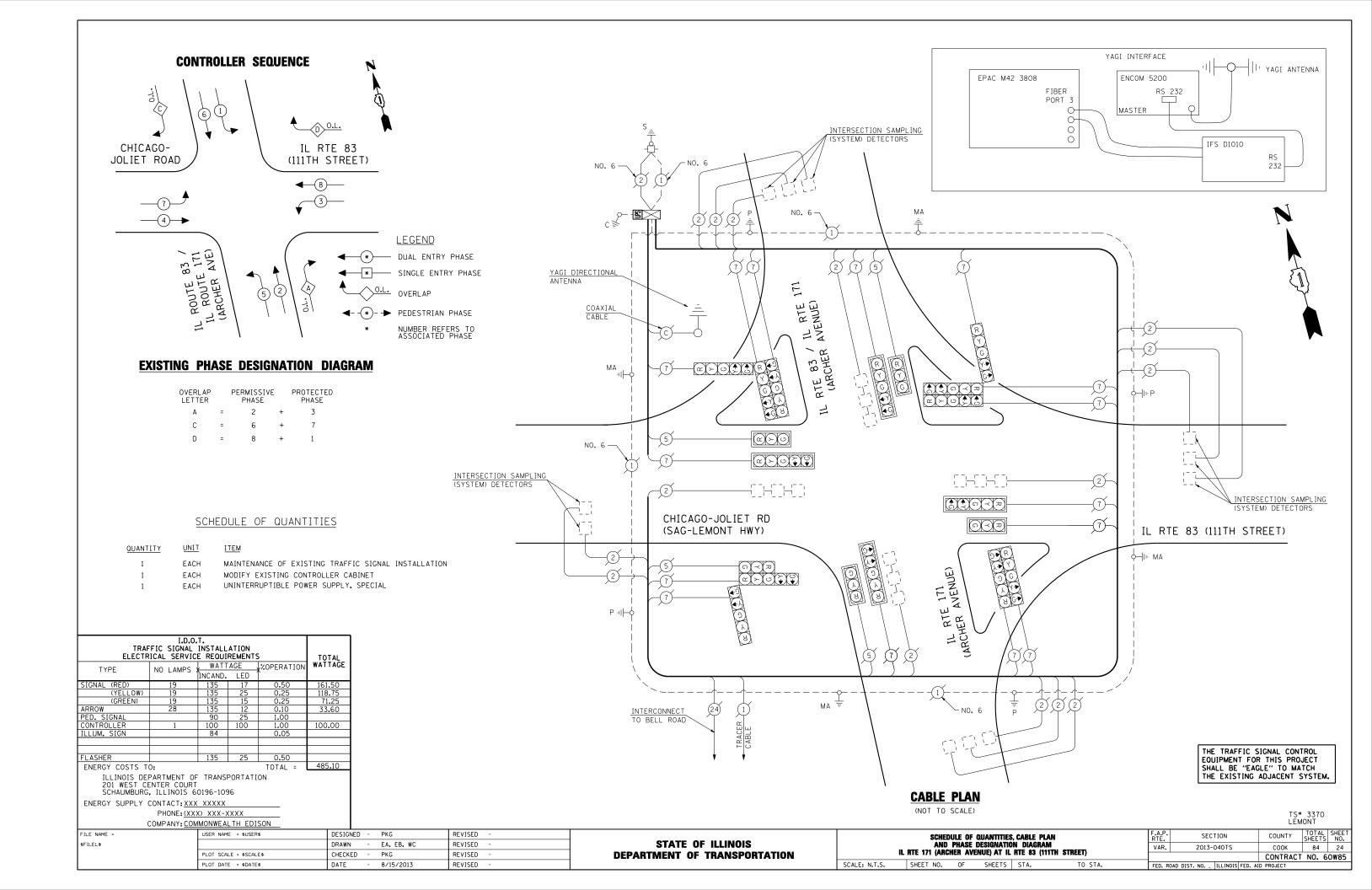
\$FILEL\$	

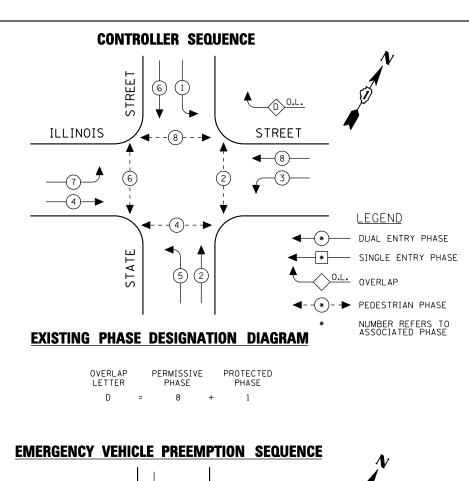
USER NAME = \$USER\$	DESIGNED - PKG	REVISED -
	DRAWN - EA, EB, WC	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -
PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -

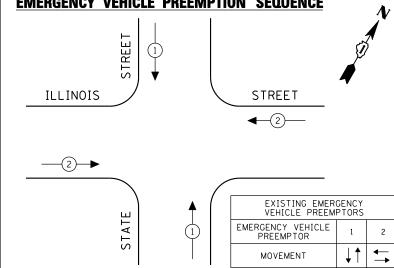
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 171		NUE) AT	ICE OF OPER I IL RTE 83 / SHEET 2 OF	/107TH S	TREET /GRANT AVENUE
SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.

F.A.P. RTE.			SI	EC.	ΓΙΟΝ		COUNTY	TOTAL SHEETS	SHEE NO.	
VAR.			201	3-0	040TS			соок	84	23
								CONTRACT	NO. 6	OW85
FED. R	OAD	DIST.	NO.	-	ILLINOIS	FED.	AID	PROJECT		

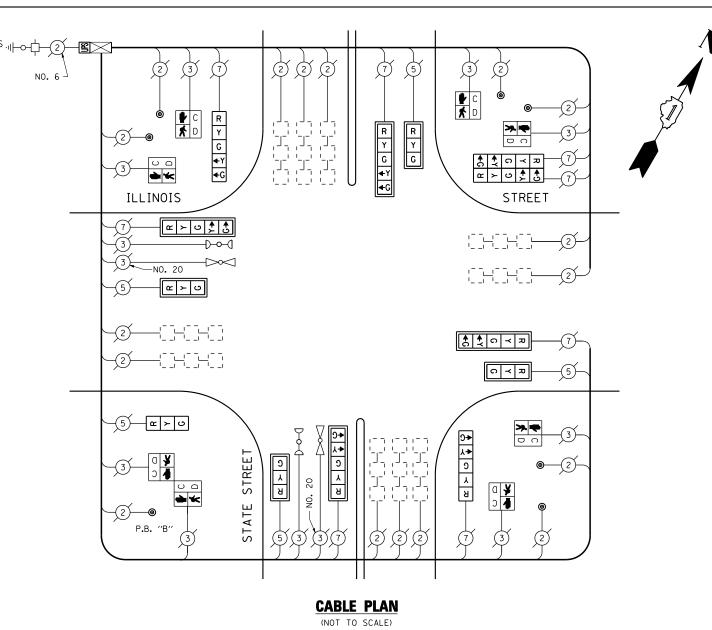






SCHEDULE OF QUANTITIES

	100	_				QUANTITY	<u>UNIT</u>	<u>ITEM</u>
	I.D.O. FFIC SIGNAL RICAL SERVIC	INSTALL		S	TOTAL	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
TVDE	NO LAMPS	WATT	AGE	20PERATION	WATTAGE	4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
TYPE	NU LAMPS	INCAND.	LED	**************************************		1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
SIGNAL (RED)	13		17	0.50	110.50	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
(YELLOW) (GREEN)	13		25 15	0.25 0.25	81.25 48.75	4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
ARROW	16		12	0.10	19.20	1	EACH	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED
PED. SIGNAL	8		25	1.00	200.00	6	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED
CONTROLLER	1		100	1.00	100.00			WITH COUNTDOWN TIMER
ILLUM. SIGN VEH. DETECTION			5	0.05 1.00		1	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
FLASHER				0.50		8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
ENERGY COSTS T	0:			TOTAL =	559.70	1	EACH	MODIFY EXISTING CONTROLLER CABINET
	PARTMENT OF ENTER COURT		PORTATI	ON		1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
	, ILLINOIS 6		96			1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
ENERGY SUPPLY	CONTACT: XXX	(XXXXX				7	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING
	PHONE: (XX	X) XXX-X	XXX					
	601404101	ALACAUME A	TH EDI	CON				



PUSH-BUTTON NOTES:

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

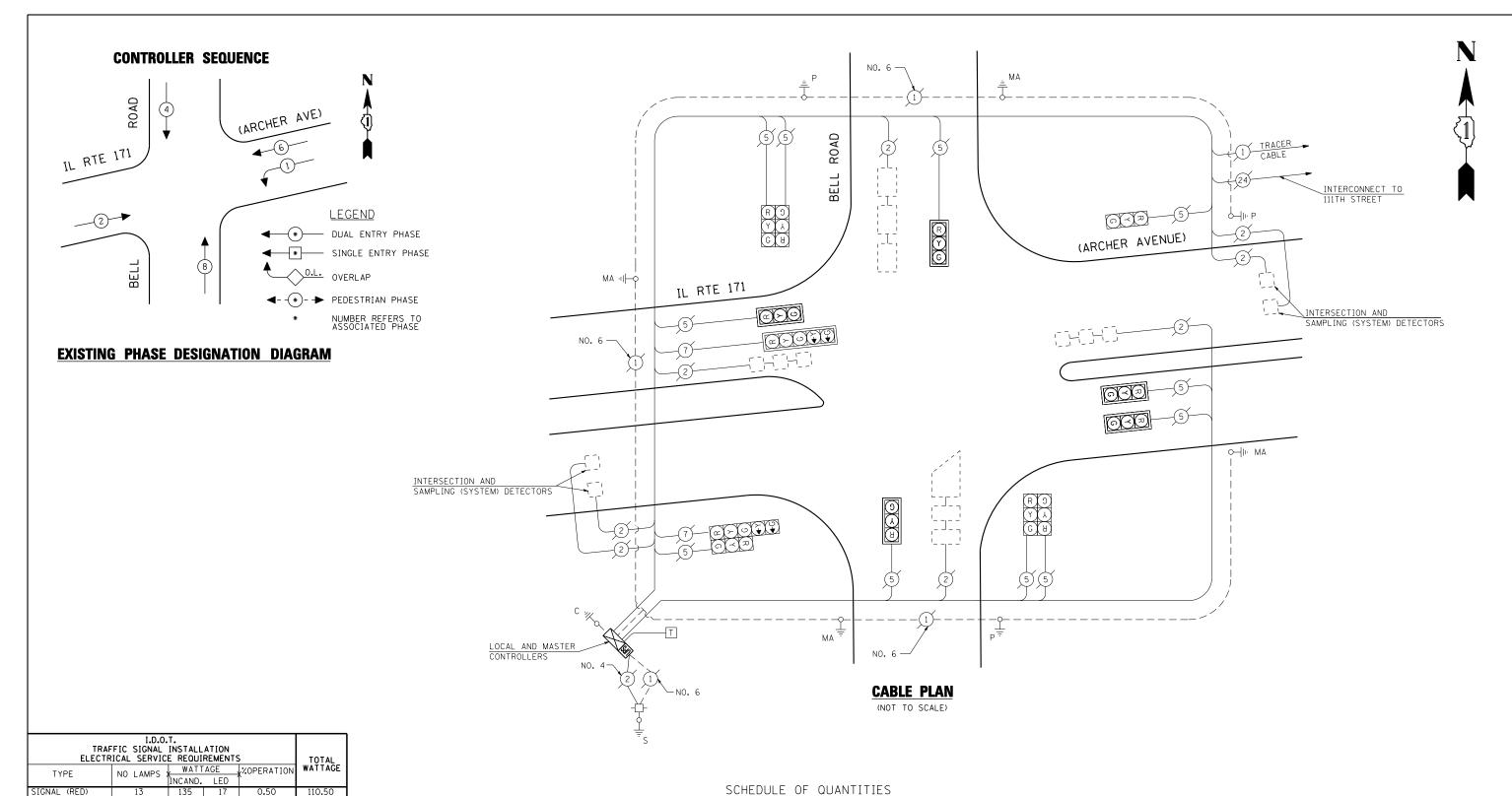
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

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

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

TS# 5785 LEMONT

COMPANY	:COMMONWEALTH EDISON													LE	EMONT	
FILE NAME =	USER NAME = \$USER\$	DESIGNE	D - PKG	REVISED -		S	CHEDULE OF Q	UANTITIES.	. CABLE P	LAN, PHASE	DESIGNATION	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
\$FILEL\$		DRAWN	- EA, EB, WC	REVISED -	STATE OF ILLINOIS		DIAGRAM	AND EMI	ERGENCY	VEHICLE PRE	EMPTION	VAR.	2013-040TS	соок	84	25
	PLOT SCALE = \$SCALE\$	CHECKED) - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		ST	ATE STREE	ET AT ILL	INOIS STREET	Ī			CONTRAC	T NO. 60	
	PLOT DATE = \$DATE\$	DATE	- 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROA	AD DIST. NO ILLINOIS FED.	AID PROJECT		



TOTAL =

(YELLOW) (GREEN)

ENERGY COSTS TO:

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

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

PED. SIGNAL CONTROLLER ILLUM. SIGN QUANTITY UNIT ITEM

1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

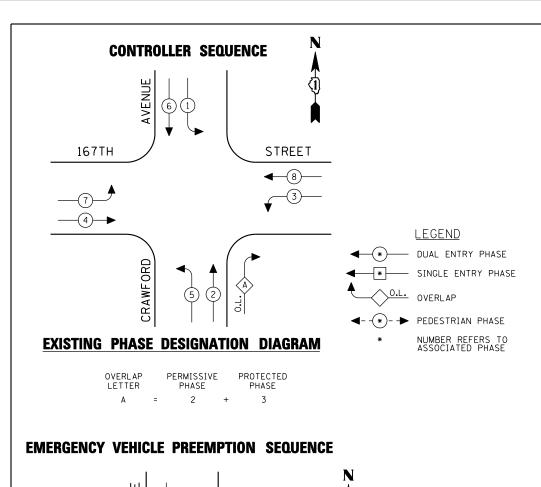
1 EACH MODIFY EXISTING CONTROLLER CABINET 1 EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

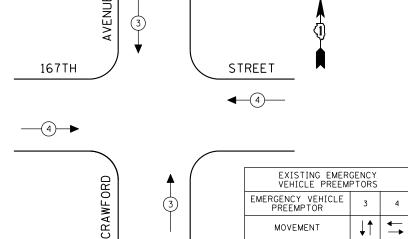
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 21475 LEMONT TWP

COMPANY: COMMONWEALTH EDISON COUNTY TOTAL SHEET NO.

COOK 84 26 FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM IL RTE 171 (ARCHER AVENUE) AT BELL ROAD SECTION COUNTY **STATE OF ILLINOIS** \$FILEL\$ DRAWN EA, EB, WC REVISED 2013-040TS VAR. CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W85 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. PLOT DATE = \$DATE\$ DATE 8/15/2013 REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT





	I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS												
TYPE NO LAMPS WATTAGE COPERATION WATTAGE													
INCAND. LED													
SIGNAL (RED)	16	135	17	0.50	136.00								
(YELLOW)	16	135	25	0.25	100.00								
(GREEN)	16	135	15	0.25	60.00								
ARROW	20	135	12	0.10	24.00								
PED. SIGNAL		90	25	1.00									
CONTROLLER	1	100	100	1.00	100.00								
ILLUM. SIGN		84		0.05									
FLASHER		135	25	0.50									
ENERGY COSTS T	0:			TOTAL =	420.00								
	PARTMENT OF	TRANSF	PORTATI	ON									

201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX

PHONE: (XXX) XXX-XXXX

COMPANY: COMMONWEALTH EDISON

9 R 0 Y A G B +Y 167TH STREET	2 7 7 R Y G + + + + + + + + + + + + + + + + + +	(F) (C) (R) (P) (P) (P) (P) (P) (P) (P) (P) (P) (P
2		NO. 20 NO. 20 3 D-0-(1) 3
CRAWFORD AVENUE	02 ON OZ ON OZ ON OZ ON OZ	
	CABLE PLAN (NOT TO SCALE)	NO. 6 - 2 - 1 - NO. 6

SCHEDULE OF QUANTITIES

QUANTITY <u>UNIT</u> <u>ITEM</u>

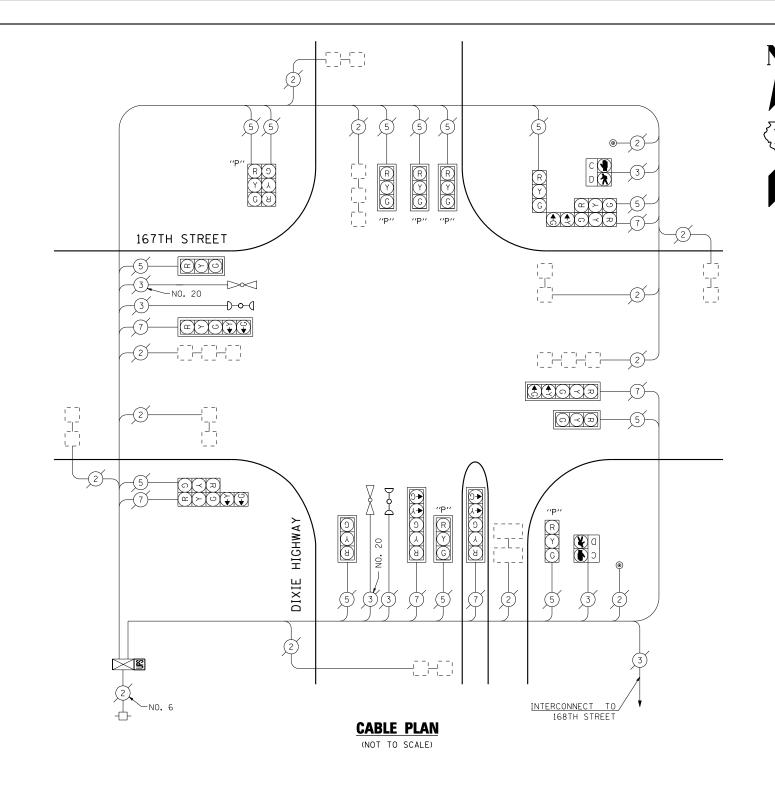
EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

EACH MODIFY EXISTING CONTROLLER CABINET UNINTERRUPTIBLE POWER SUPPLY, SPECIAL EACH

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

TS# 4900 MARKHAM

F	ILE NAME =	USER NAME = \$USER\$	DESIGNED - PK	PKG	REVISED -			SCHEDULI	E OF QU	NTITIES. CABLE PLAN		F.A.P.	SECTION	COUNTY	TOTAL	SHEET
9	FILEL\$		DRAWN - EA	EA, EB, WC	REVISED -	STATE OF ILLINOIS				SIGNATION DIAGRAM		VAR.	2013-040TS	соок	84	27
		PLOT SCALE = \$SCALE\$	CHECKED - PK	PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		CRAWFO	ORD AVE	IUE AT 167TH STREET				CONTRAC	CT NO. F	60W85
		PLOT DATE = \$DATE\$	DATE - 8/	3/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS STA.	TO STA.	FED. ROAD	DIST. NO ILLINOIS FED.	AID PROJECT		



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

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

FLASHER
ENERGY COSTS TO:

135 25 0.50 TOTAL =

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

ENERGY SUPPLY CONTACT: XXX XXXXX

PHONE: (XXX) XXX-XXXX

QUANTITY <u>UNIT</u>

EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

MODIFY EXISTING CONTROLLER CABINET EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL EACH

SCHEDULE OF QUANTITIES

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

TS# 5050 MARKHAM

COMPANY: COM	MMONWEALTH EDISON									MAR	RKHAM
FILE NAME =	USER NAME = \$USER\$	DESIGNED	D - PKG	REVISED -			SCHEDULE OF QUANTITIES AND CABLE PLAN	F.A.P. RTF.	SECTION	COUNTY	TOTAL SHEET SHEET NO.
\$FILEL\$		DRAWN	- EA, EB, WC	REVISED -	STATE OF ILLINOIS		DIXIE HIGHWAY AT 167TH STREET	VAR.	2013-040TS	соок	84 28
	PLOT SCALE = \$SCALE\$	CHECKED) - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		(SHEET 1 OF 2)				T NO. 60W85
	PLOT DATE = \$DATE\$	DATE	- 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS STA. TO STA.	FED. ROA	AD DIST. NO ILLINOIS FED. A		

-	3070	COMPLY	1 2		Ξ
		0500	- 56		æ
SEC	TIONES	5-00096-03	-TL		_
		8_100.0X	ST-Me !	TIO 65	di



COMPOSER SHALL BE SEQUENTA, TYPE WITH PHYSE SKIP CHAMBISES IN ASSENCE OF CALL
PHASE 4-SMALL BE PLACED ON RECAL.
PHASE 2-6 CHARD OF PHASES 115 OF 145 OF 2+5
PHASE C. CANNOT CLEAR TO PHASE 5

• 13 A YEAR ON PHISTERIAN ACT LARGE
•• TUSHING "DON'T WHAS" SHALL TEMPHASE AT THE COMPOSITION OF THE PEDITITION CLEARANCE KTEPAAL

1+2

1 2a 25 dc 5 40 +: 46 5 6u 3b 6:

RRARARAMEN

115 2-5 000 / 115 2 5 000 / 115 2+3 250

PLACE

INTERWAL

CHANCE TO

HETTH STREET E/E N'AS A TWO SYST MARK SPECIE TVD FAR & SUP. HAR LET 167TH STREET W/B NEAR & FAR REST 1670 STRITT W/D FAM & SUP, HAR LEF DONE HICHWAY SA'E DIXIE HIGHWAY S/E FAH & SUY, HAN LEP DOME HIGHWAY NA'S NEAR & FAR RIGHT DINE HICHWAY NATI FAR & SUP. FAR LEFT SERVICE DANE N.S.

PEDESTRIAN STONAL

EXISTING

2 - 6

3

car one / and one

RRRBBBRBBR

PHASE DESIGNATION DIAGRAM

1944	4	402W 1+5	-	,	CRM.		,	ioAlo 2+b		H	2+6	_	н	ORW	-	,	io⊇w 4	i.	"	CHNI Z	8	VSH	CEHCY CLE RHAL	CLEAR TO NORWAL SECURICIO
PRODUCE HOUSE, SEQUENCE HARRING, NO.		. 1	1																1					
PROPERTY WHEN THE PROPERTY	3.5	14	16	10	15:	15	10	1.1	10	JIK.	13.	100	18	11	10	13	15	11	1111	14	100	2.	2	toran de la co
CHARGE TO	4	7	ě	2	16	4	2	34	J	2	IM	3	114	2	*	15	2	3	19	19	à.			*
1677- STREET K/S NEAR & FAR RIGHT	TR.	19	1	¢	۲	*		R	8	9	Y	P	R	F	H	н	н	н	18	M	h	G	12	
167 4 SHILL L/T MR & SUP. FAR LEFT	H	1	3	G	7	12	4	12	2	G	Y	F	B.	F.	8	P	R	R	18	8	H	G	8	*
167"H STMEST W/B MEAR & FAR 183HT	18	15	2	R	F	R	5	Y	3	G	Y	R	н	6	н	н	16	H	11	R	19	G	3	
16714 STREET W/B FOR & SUF. FAR LEFT	R	1	5	Р	F	R		Y	3	G	Y	F.	5	6	R	B	R	В	5	R.	5	0	3	+
DINE HIGHWAY 8/8 NEAR & FAR INCHT	8	5	2	P	H	P.		Ħ		R	R	P	. Y	=	G	Ť	R	Q.	F	R	Я	H	12	
ARE HIGHWAY S/IS FOR & SUP. FOR LEFT	н	5	1	К	- II	IF	3	17	2	R	Б	F	,	3	9	Y	P	9	F	R	4	R	5	+
DEME HIGHWAY M/B NEAR & EAR DOBLE	HE	3	5	Pr.	R	R	3	P	3	R	R	ъ.	R	7	R	4	к	C	H	к	4	R	0	
UNE HICHAUY B/S FOR & SUE, FAR LEFT	K	7	9	Е	H	H	3	Я	3	В	R	fi	15	1	l5	4	B	G	R	12.	3	P	3	+
SERVICE DAME H.B.	R	5	P)	F	R	8	*	F.		R	14	R	R	4	R	9	R	=	-6	+ 1	4	14	.0	+
PEDESTRAN SISHAL	DW.	RW	DV	DW	/Ne	DW.	T.W	DW	TW	DW	DW	OW	Def.	OM:	DW	DW	UW	UW	-pw	OW	CW	DW	10	

FMORPHY VEHICLE SEDIENCE SHALL PROMOE PROPER CLEARANCE TO RESUVE THE NORMAL SEQUENCE OF OFFINION DO PROPER CLEARANCE INTERNAL TO ORPLAY A UPER-AIT ENERGENCY WHICLE IN ERVAL AFTER EMERGENCY VEHICLE INTERNAL 2 OR 3 R. INVANIANTED.

EMERGENCY VEHICLE

PHASE DESIGNATION DIAGRAM

FOR INFORMATION ONLY

LOGATION NO.12 DOS ALLAGE OF HAZPI 19990 SEQUENCE OF OPERATIONS DIKE HICHWAY & 167TH STREET

WIT TO SCA.? DATE : 6-19-95

CHANGE OF CHAN

MARKHAM

FILE	NAME	=
\$FILE	L\$	

0000

0000

USER NAME = \$USER\$	DESIGNED	-	PKG	REVISED -
	DRAWN	-	EA, EB, WC	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED	-	PKG	REVISED -
PLOT DATE = \$DATE\$	DATE	-	8/15/2013	REVISED -

CIVILTECH ENGUNEERING, INC.

1250 ARLINGTON HEIGHTS RG. • ITACCA BLISING FOR 43 (708) 773-3300 • RAX (708) 773-3375

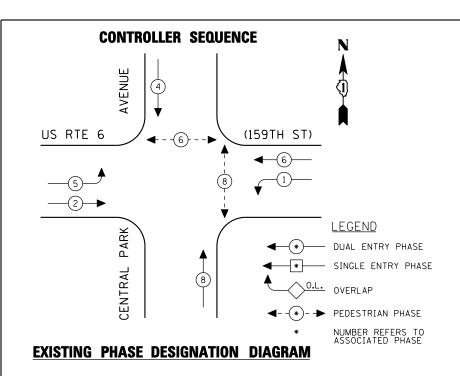
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PHASE DI					EHICLE PREEMPTION	F.A.P. RTE.	SEC.	TIO
	DIXIE HIGHWAY AT 167TH STREET (SHEET 2 OF 2)							
		,	DIILLI 2 UI	<u>-</u> 1				
SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. R	OAD DIST. NO	ILL

REMECHA

COUNTY TOTAL SHEET NO.

COOK 84 29 COUNTY 40TS CONTRACT NO. 60W85 FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT



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, 1-FACE, BRACKET MOUNTED EACH

EACH PEDESTRIAN PUSH-BUTTON

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

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

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

TRACER CABLE 0 0 CABLE 0 INTERCONNECT TO CRAWFORD AVENUE/ PULASKI RD INTERCONNECT TO KEDZIE AVENUE ма⊓⊢ф (159TH ST) US RTE 6 (C)(X)(G) NO. 6 INTERSECTION AND SAMPLING (SYSTEM) DETECTORS 7 (F) PARK CENTRAL **CABLE PLAN** (NOT TO SCALE)

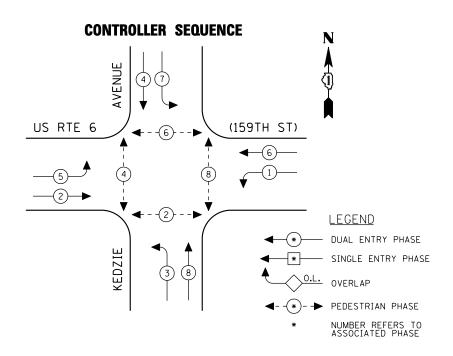
SCHEDULE OF QUANTITIES

TYPE	NO LAMPS	WALL	AGE	√%OPERATION	WATTAGE			
11112	NO LAWI 5	ÎNCAND.	LED	<u> </u>		QUANTITY	<u>UNIT</u>	<u>ITEM</u>
SIGNAL (RED)	12	135	17	0.50	102.00			
(YELLOW)	12	135	25	0.25	75.00	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
(GREEN)	12	135	15	0.25	45.00	4	EACH	PEDESTRIAN SIGNAL HEAD, LED. 1-FACE, BRACKET MOUNTED
ARROW	8	135	12	0.10	9.60			WITH COUNTDOWN TIMER
PED. SIGNAL	4	90	25	1.00	100.00	4	EACH	PEDESTRIAN PUSH-BUTTON
CONTROLLER	1	100	100	1.00	100.00	<u>,</u>	EACH	MODIFY EXISTING CONTROLLER CABINET
ILLUM. SIGN		84		0.05		1	EACH	MODIFI EXISTING CONTROLLER CADINET
						1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
						1	FACH	UNINTERRUPTIBLE POWER SUPPLY. SPECIAL
FLASHER		135	25	0.50		•	2.1011	
ENERGY COSTS T	0:			TOTAL =	431.60			

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

TS# 10635 MARKHAM

COMPANY: COMMONWEALTH EDISON FILE NAME USER NAME = \$USER\$ PKG REVISED DESIGNED -SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM US RTE 6 (159TH STREET) AT CENTRAL PARK AVENUE SECTION COUNTY **STATE OF ILLINOIS** \$FILEL\$ DRAWN EA, EB, WC REVISED COOK 84 30 VAR. 2013-040TS CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W85 SCALE: N.T.S. SHEET NO. OF SHEETS STA. DATE REVISED PLOT DATE = \$DATE\$ 8/15/2013



EXISTING PHASE DESIGNATION DIAGRAM

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, 2-FACE, BRACKET MOUNTED

EACH PEDESTRIAN PUSH-BUTTON

	I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS									
TYPE	NO LAMPS :	WATT	AGE ,	%OPERATION	WATTAGE					
		ÎNCAND. LED 1		`						
SIGNAL (RED)	12	135	17	0.50	102.00					
(YELLOW)	12	135	25	0.25	75.00					
(GREEN)	12	135	15	0.25	45.00					
ARROW	16	135	12	0.10	19.20					
PED. SIGNAL	8	90	25	1.00	200.00					
CONTROLLER	1	100	100	1.00	100.00					
ILLUM. SIGN		84		0.05						
FLASHER		135	25	0.50						
ENERGY COSTS T	0:			TOTAL =	541.20					
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096										
ENERGY SUPPLY	CONTACT: XXX	XXXXX								
	PHONE: (XX)	x) xxx-x	XXX							

SCHEDULE OF QUANTITIES

QUANTITY	<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	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
4	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

MA TRACER CABLE 1 P.B. "B CABLE INTERCONNECT TO CENTRAL PARK AVENUE INTERCONNECT TO RICHMOND AVENUE .₁І⊢_Ч МА US RTE 6 (159TH STREET) CALLING LOOPS MΑ **>> ←** KEDZIE P.B. "A" P.B. "D" **CABLE PLAN** (NOT TO SCALE) PUSH-BUTTON 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.

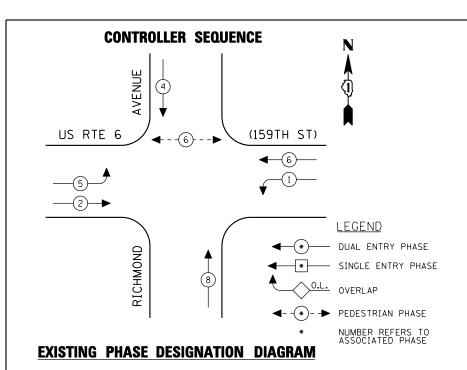
PUSH-BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.

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

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

TS# 245 MARKHAM

	COMPANY: COMMONWEALTH EDISON							MĀ	ARKHAM
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN	F.A.P.	SECTION	COUNTY	TOTAL SHEET
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	AND PHASE DESIGNATION DIAGRAM	VAR.	2013-040TS	соок	84 31
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	US RTE 6 (159TH STREET) AT KEDZIE AVENUE			CONTRAC	T NO. 60W85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DI	IST. NO ILLINOIS FED		



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, 1-FACE, BRACKET MOUNTED

EACH PEDESTRIAN PUSH-BUTTON

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

SCHEDULE OF QUANTITIES

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

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

NUMBER OF GROUND CABLES

INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

TS# 10640 MARKHAM

	COMPANY: COMMONWEALTH EDISON								MA	RKHAM	
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -			SCHEDULE OF QUANTITIES, CABLE PLAN	F.A.P.	SECTION	COUNTY	TOTAL	SHEET S NO.
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	AND PHASE DESIGNATION DIAGRAM			2013-040TS	соок	84	32
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		US RTE 6 (159TH STREET) AT RICHMOND AVENUE		CONTRACT N			60W85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS STA. TO STA.	FED. RO	AD DIST. NO ILLINOIS	FED. AID PROJECT		

TRACER 1

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US RTE 6

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INTERCONNECT TO KEDZIE AVENUE

INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

NO. 6

CABLE PLAN (NOT TO SCALE)

RICHMOND

MA

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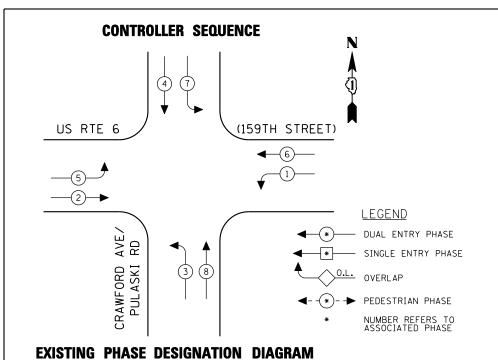
OBP-5

(159TH ST)

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REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

4	EACH	SIGNAL	HEAD,	1-FACE.	3-SECTION,	MAST	ARM	MOUNTED
4	EACH	SIGNAL	HEAD,	1-FACE.	5-SECTION,	BRACK	KET M	OUNTED
4	EACH	SIGNAL	HEAD,	1-FACE,	5-SECTION,	MAST	ARM	MOUNTED
8	EACH	TRAFFI	C SIGN	AL BACK	PLATE			



	I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS								
TYPE	NO LAMPS	WATT	AGE ,	%OPERATION	WATTAGE				
	110 21 3 .	INCAND.	LED	Î					
SIGNAL (RED)	12		17	0.50	102.00				
(YELLOW)	12		25	0.25	75.00				
(GREEN)	12		15	0.25	45.00				
ARROW	16		12	0.10	19.20				
PED. SIGNAL			25	1.00					
CONTROLLER	1		100	1.00	100.00				
ILLUM. SIGN				0.05					
VEH. DETECTION			5	1.00					
FLASHER				0.50					
ENERGY COSTS T	0:			TOTAL =	341.20				
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096									
ENERGY SUPPLY									
	PHONE: (XX)	X) XXX-X	XXXX						

1 TRACER CABLE INTERCONNECT TO CENTRAL PARK AVENUE R Y G ◆Y ◆G R Y G +Y +G G US RTE 6 (159TH STREET) INTERSECTION AND SAMPLING (SYSTEM) DETECTORS INTERSECTION AND SAMPLING (SYSTEM) DETECTORS **↑** ↑ ○ ≺ ₽ CALLING - R > O \ \ \ S → O → Z CRAWFORD AVENUE. PULASKI ROAD R R 2

CABLE PLAN

(NOT TO SCALE)

SCHEDULE OF QUANTITIES

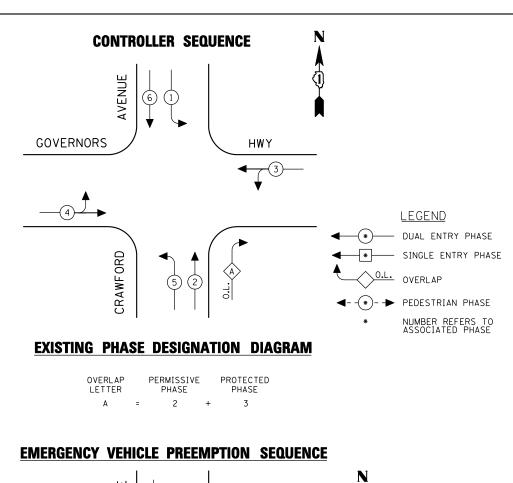
NO. 6

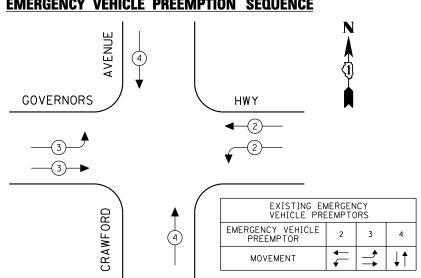
QUANTITY	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
8	EACH	TRAFFIC SIGNAL BACKPLATE,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

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

TS# 215 MARKHAM

	COMPANY: COMMONWEAL	TH EDISON						MARKHAM
FILE NAME =	USER NAME	= \$USER\$ DESIG	NED - PKG	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN	F.A.P. SECTION	COUNTY TOTAL SHEET
\$FILEL\$		DRAWI	N - EA, EB, WC	REVISED -	STATE OF ILLINOIS	AND PHASE DESIGNATION DIAGRAM	VAR. 2013-040TS	COOK 84 33
	PLOT SCAL	E = \$SCALE\$ CHECK	KED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	US RTE 6 (159TH STREET) AT CRAWFORD AVENUE (PULASKI ROAD)		CONTRACT NO. 60W85
	PLOT DATE	= \$DATE\$ DATE	- 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO ILLINOIS FED. A	





	I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS									
TYPF	NO LAMPS	, WATT	AGE ,	%OPERATION	TOTAL WATTAGE					
1112	NO LAWI 5 /	INCAND. LED		Î						
SIGNAL (RED)	16	135	17	0.50	136.00					
(YELLOW)	16	135	25	0.25	100.00					
(GREEN)	20	135	15	0.25	75.00					
ARROW	12	135	12	0.10	14.40					
PED. SIGNAL		90	25	1.00						
CONTROLLER	1	100	100	1.00	100.00					
ILLUM. SIGN		84		0.05						
FLASHER		135	25	0.50						
ENERGY COSTS T	0:			TOTAL =	425.40					
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096										
ENERGY SUPPLY CONTACT: XXX XXXXX										
	PHONE: (XX)	<) XXX->	XXX							
	COMPANY: COM	IMONWEA	LTH EDI	SON						

SCHEDULE OF QUANTITIES

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

CABLE PLAN

(NOT TO SCALE)

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CRAWFORD

3	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 4-SECTION, MAST ARM MOUNTED
3	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 1-4 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 1-5 SECTION, BRACKET MOUNTED
8	EACH	TRAFFIC SIGNAL BACKPLATE

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

TS# 4945 MATTESON

FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT TO

US 30 & CRAWFORD AVE.

SCALE: N.T.S.

GOVERNORS HWY

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AVENUE

			DUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	
PHASE DESIGN			D EMERGE! NUE AT GO		CLE PREEPTION SEQUENCE	VAR.	2013-040TS	COOK	84	34
	CRAWFU	NV AVE	NUE AI GU	AEUMON 9	o nwt			CONTRACT	NO. 6	50W85
ALE. NITC	CHEET NO	0.5	CHEETC	CT.	TO CTA					

-NO. 20

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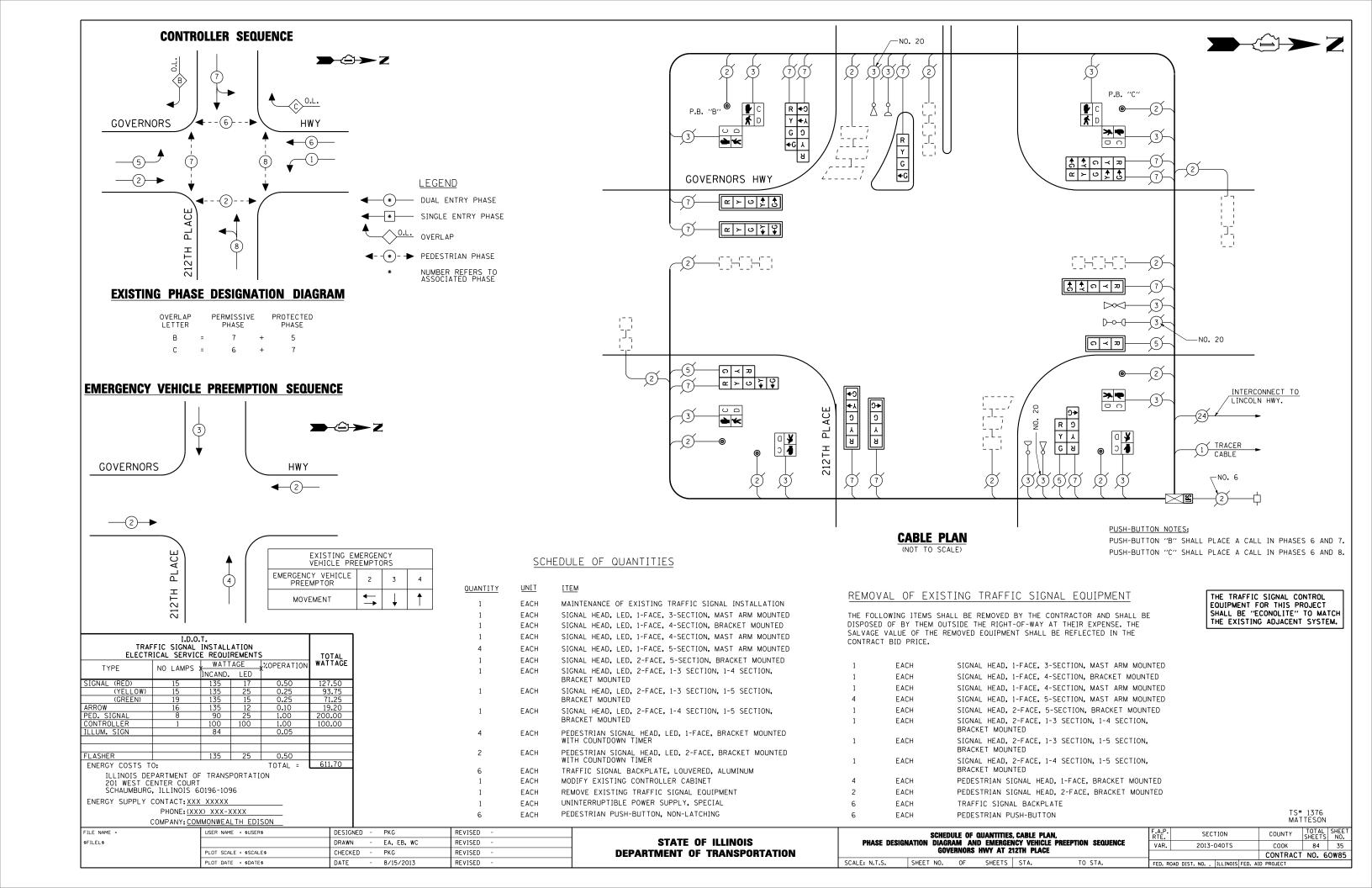
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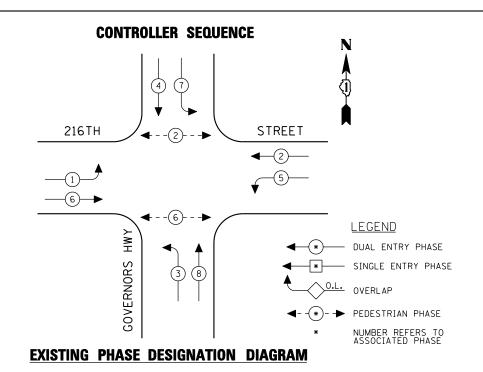
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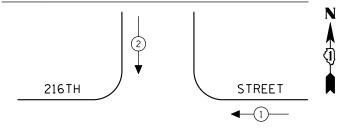
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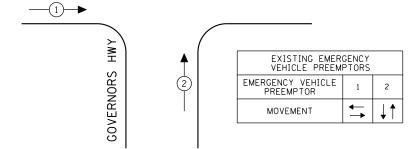
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EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAF ELECTR	TOTAL_							
TYPF	WATTAGE							
	NO LAMPS)	ÌNCAND.	LED ´	,				
SIGNAL (RED)	10		17	0.50	85.00			
(YELLOW)	10		25	0.25	62.50			
(GREEN)	10		15	0.25	37.50			
ARROW	16		12	0.10	19.20			
PED. SIGNAL	4		25	1.00	100.00			
CONTROLLER	1		100	1.00	100.00			
ILLUM. SIGN				0.05				
VEH. DETECTION	VEH. DETECTION 5 1.00							
FLASHER				0.50				
ENERGY COSTS T	0:			TOTAL =	404.20			
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096								
ENERGY SUPPLY CONTACT: XXX XXXXX								
PHONE: (XXX) XXX-XXXX								
	COMPANY: COMMONWEALTH EDISON							

SCHEDULE OF QUANTITIES

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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.

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GOVERNORS

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CABLE PLAN
(NOT TO SCALE)

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216TH

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

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

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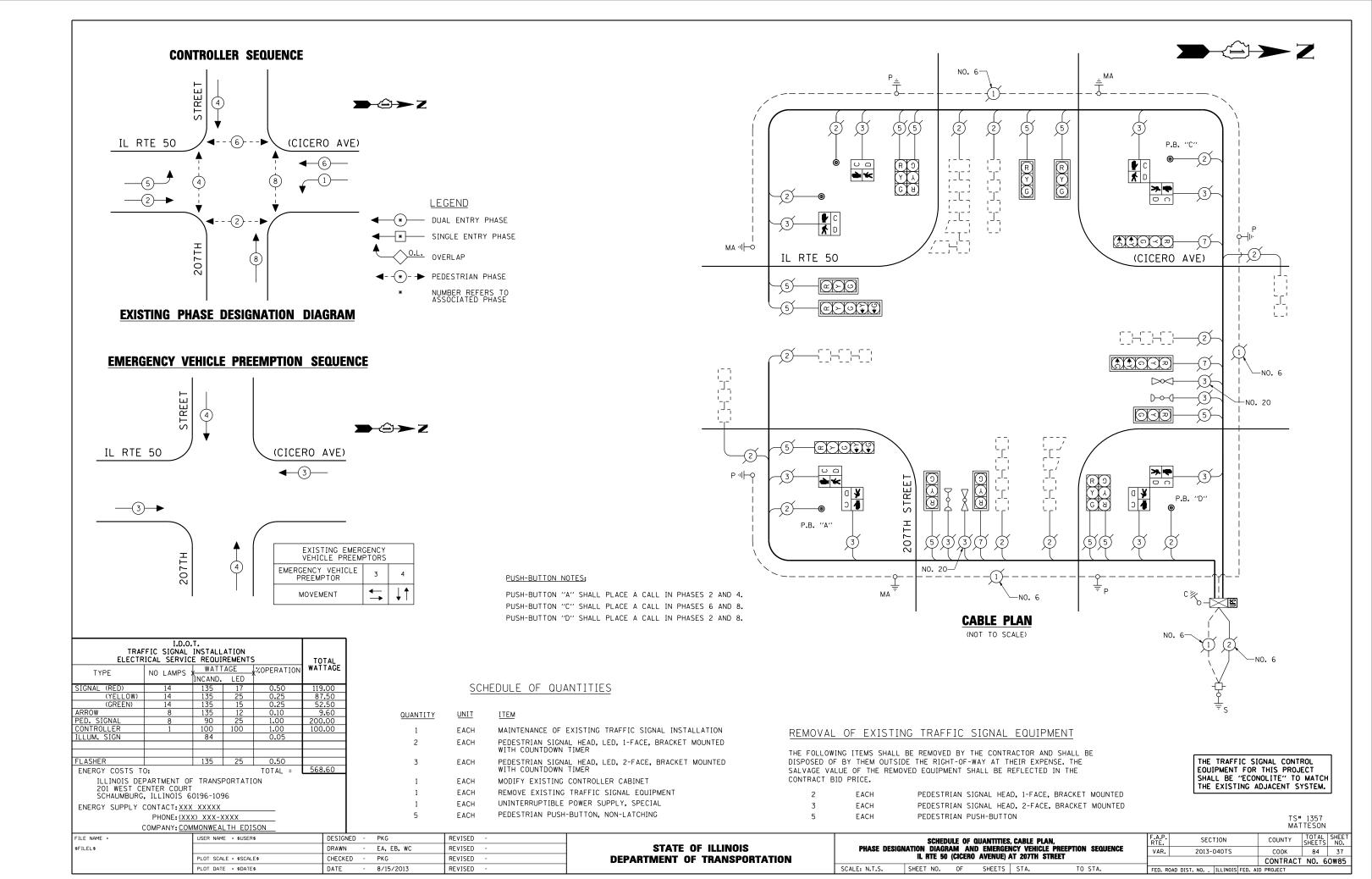
\$ **\$** 0 < 20-

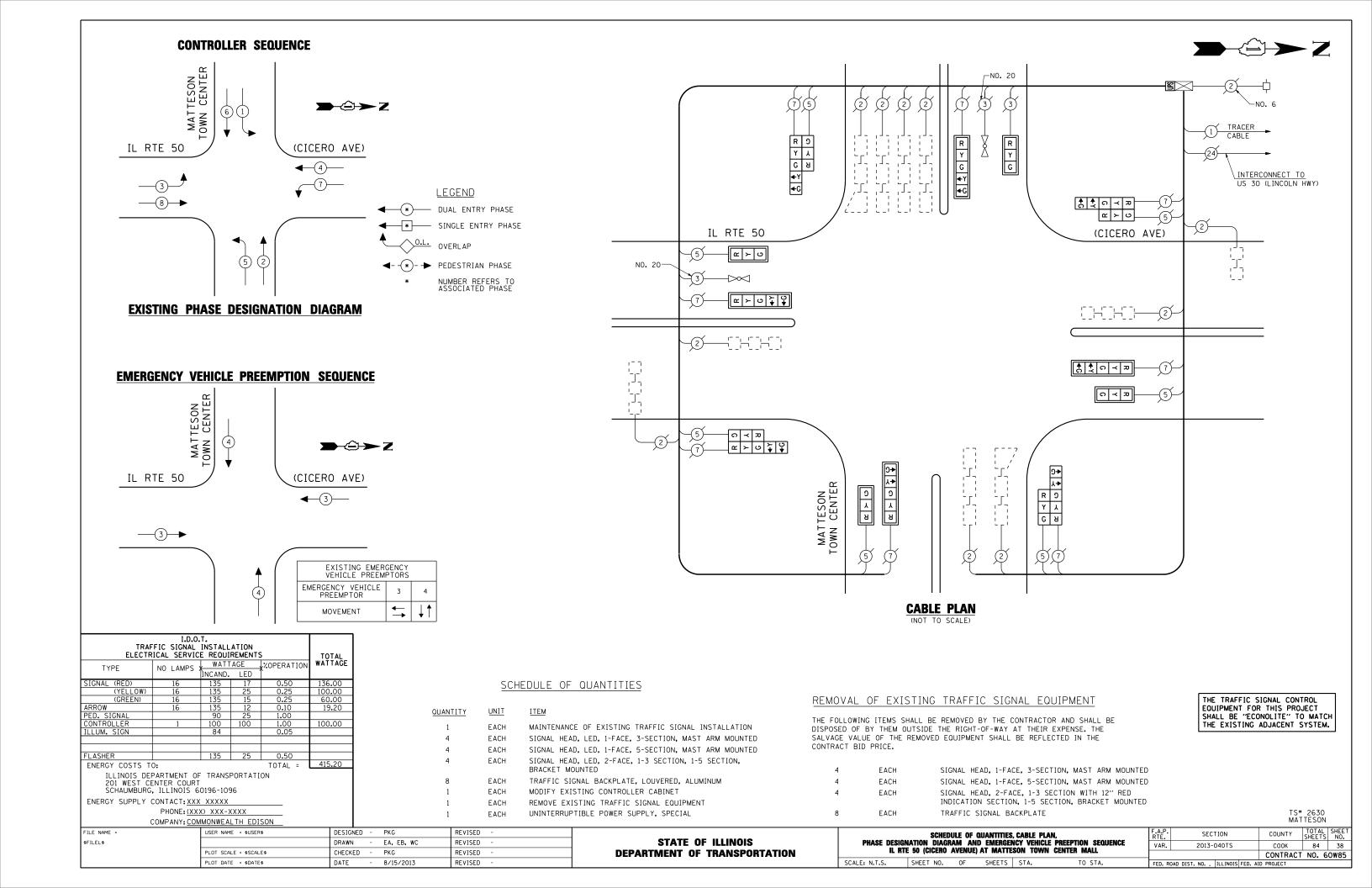
STREET

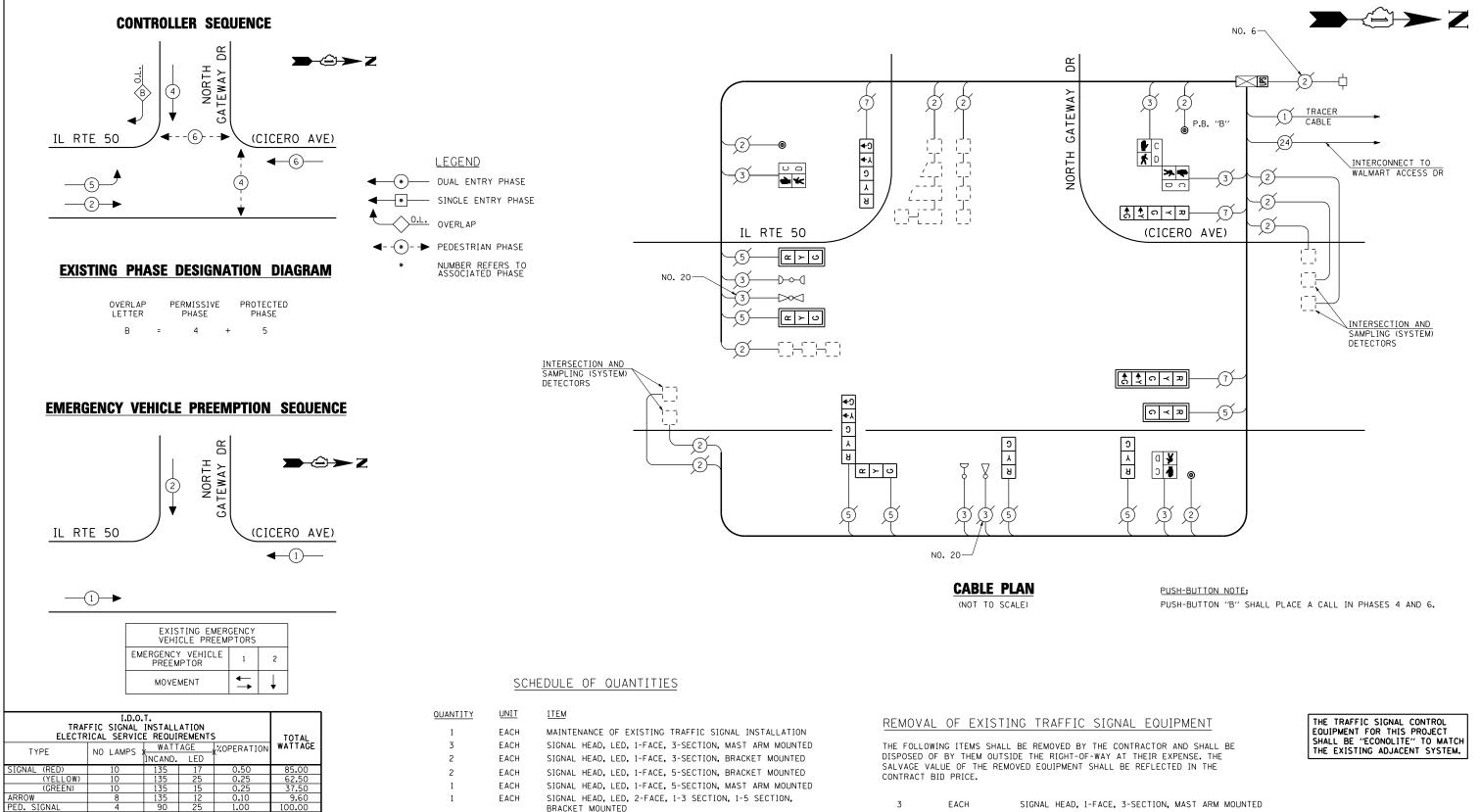
R Y G

> TS# 10630 MATTESON

	COMPANT: COM	MUNWEALTH EDISON						MATTESON
FILE NAM	E =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION	F.A.P. SECTION	COUNTY TOTAL SHEET
\$FILEL\$			DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION	VAR. 2013-040TS	COOK 84 36
		PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	216TH STREET AT GOVERNORS HWY		CONTRACT NO. 60W85
		PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO ILLINOIS FE	D. AID PROJECT







TRAF ELECTR	TOTAL						
TYPE	NO LAMPS	, WATT	AGE ,	%OPERATION	WATTAGE		
'''-	NO LAWI 5 /	INCAND.	LED '	1			
SIGNAL (RED)	10	135	17	0.50	85.00		
(YELLOW)	10	135	25	0.25	62.50		
(GREEN)	10	135	15	0.25	37.50		
ARROW	8	135	12	0.10	9.60		
PED. SIGNAL	4	90	25	1.00	100.00		
CONTROLLER	1	100	100	1.00	100.00		
ILLUM. SIGN		84		0.05			
FLASHER		135	25	0.50			
ENERGY COSTS T	0:			TOTAL =	394.60		
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096							
ENERGY SUPPLY CONTACT: XXX XXXXX							
	PHONE: (XX)	() XXX-)	(XXX				
	COMPANY: COM	IMONWEA	LTH EDI	SON			

QUANTITY	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	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

EACH

UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

PEDESTRIAN PUSH-BUTTON, NON-LATCHING

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

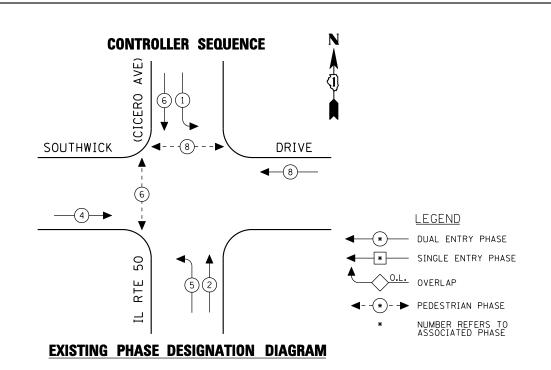
TS# 12404 MATTESON

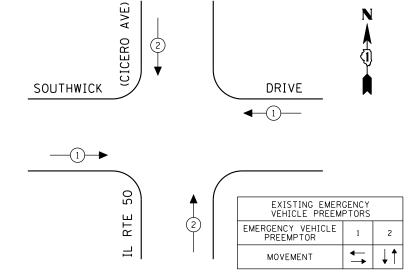
FILE NAME =	USER NAME = \$USER\$	DESIGNED	-	PKG	REVISED -	
\$FILEL\$		DRAWN	-	EA, EB, WC	REVISED -	7
	PLOT SCALE = \$SCALE\$	CHECKED	-	PKG	REVISED -	7
	PLOT DATE = \$DATE\$	DATE	-	8/15/2013	REVISED -	Π.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, SECTION PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEPTION SEQUENCE IL RTE 50 (CICERO AVENUE) AT NORTH GATEWAY DRIVE VAR. 2013-040TS SHEET NO. OF SHEETS STA. FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

COUNTY COOK 84 39 CONTRACT NO. 60W85







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SHOPPING CENTER ACCESS DRIVE

SCHEDULE OF QUANTITIES

TRAF ELECTR		TAL							
TYPE	NO LAMPS :	WATT	AGE ,	%OPERATION	WAT	TAGE			
	NO EANS A	INCAND.	LED [*]						
SIGNAL (RED)	12	135	17	0.50	102				
(YELLOW)	12	135	25	0.25	75	.00			
(GREEN)	12	135	15	0.25	45	.00			
ARROW	8	135	12	0.10	9	.60			
PED. SIGNAL	4	90	25	1.00	100	.00			
CONTROLLER	1	100	100	1.00	100	.00			
ILLUM. SIGN		84		0.05					
FLASHER		135	25	0.50					
ENERGY COSTS T	0:			TOTAL =	431	.60			
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096									
ENERGY SUPPLY CONTACT: XXX XXXXX									
PHONE: (XXX) XXX-XXXX									
(COMPANY: COM	IMONWEA	TH EDI	SON					
FILE NAME =		USER NAM	E = \$USER	\$		DESIG			

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

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

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

TS# 12400 MATTESON

\$FILEL\$			

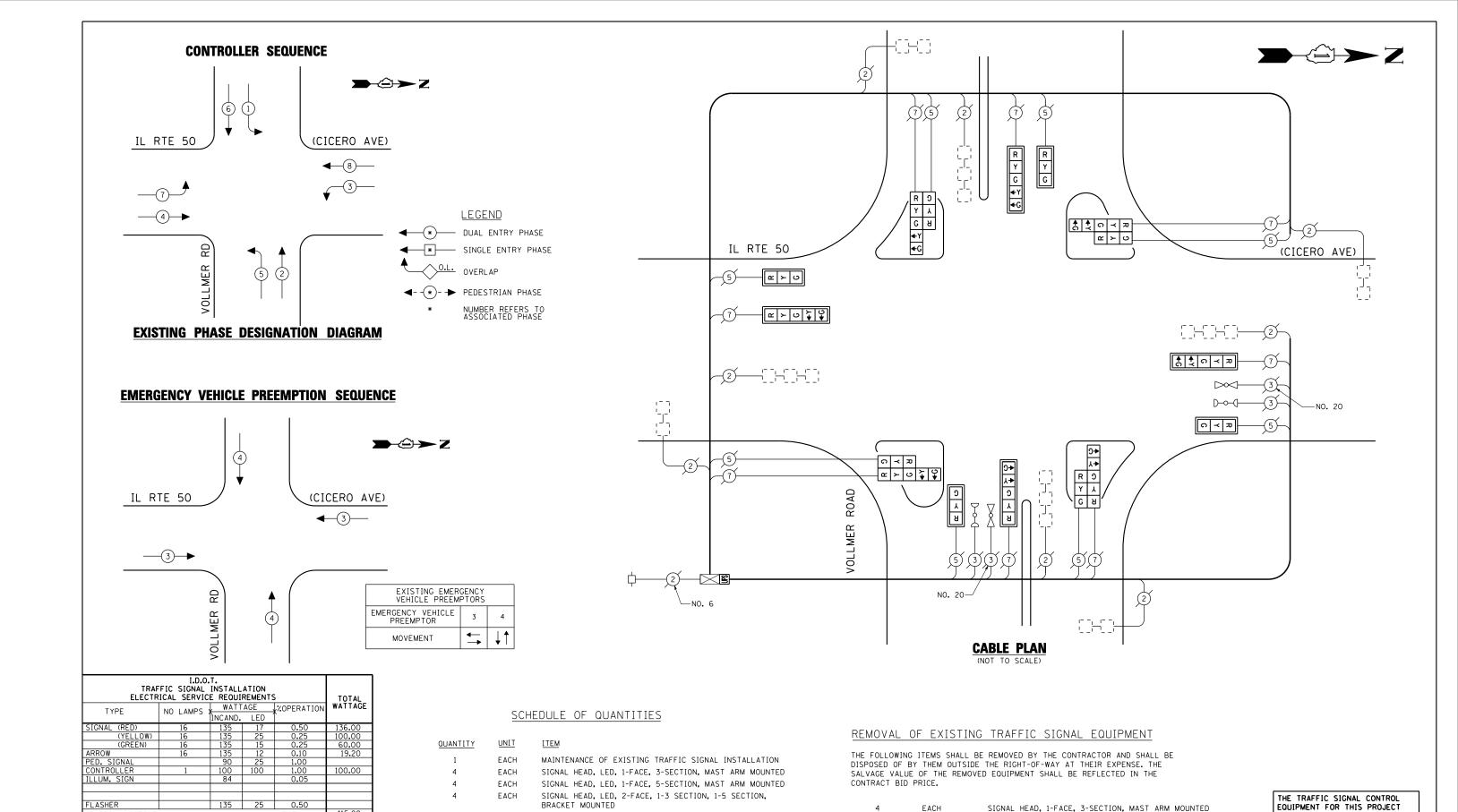
USER NAME = \$USER\$	DESIGNED	-	PKG	KEAIZED	-
	DRAWN	-	EA, EB, WC	REVISED	-
PLOT SCALE = \$SCALE\$	CHECKED	-	PKG	REVISED	-
PLOT DATE = \$DATE\$	DATE	-	8/15/2013	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERCONNECT TO MATTESON TOWN CENTER

			QUANTITIES			RTE.	
PHASE DESIGN			ND EMERGEI AVENUE) AT		LE PREEPTION SEQUENCE	VAR.	Ĺ
	IL NIE 30 (CICLIO	ATENOE/ AT	300111111	GR DHIVE		
SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. RO	DΑ

FED. R	DAD	DIST.	NO.	-	ILLINOIS	FED.	AID	PROJECT		
								CONTRACT	NO.	60W8
VAR.	R. 2013-040TS					COOK	84	40		
F.A.P. RTE.							COUNTY	TOTAL	SHE	



TRAFFIC SIGNAL BACKPLATE
TS# 26

TS# 2635 MATTESON

F.A.P. SECTION COUNTY TOTAL RTF. SHEFTS

EACH

EACH

EACH

TOTAL =

ENERGY COSTS TO:

FILE NAME

\$FILEL\$

ILLINOIS DEPARTMENT OF TRANSPORTATION

PHONE: (XXX) XXX-XXXX

COMPANY: COMMONWEALTH EDISON

201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EACH

EACH

EACH

TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

MODIFY EXISTING CONTROLLER CABINET

UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEPTION SEQUENCE

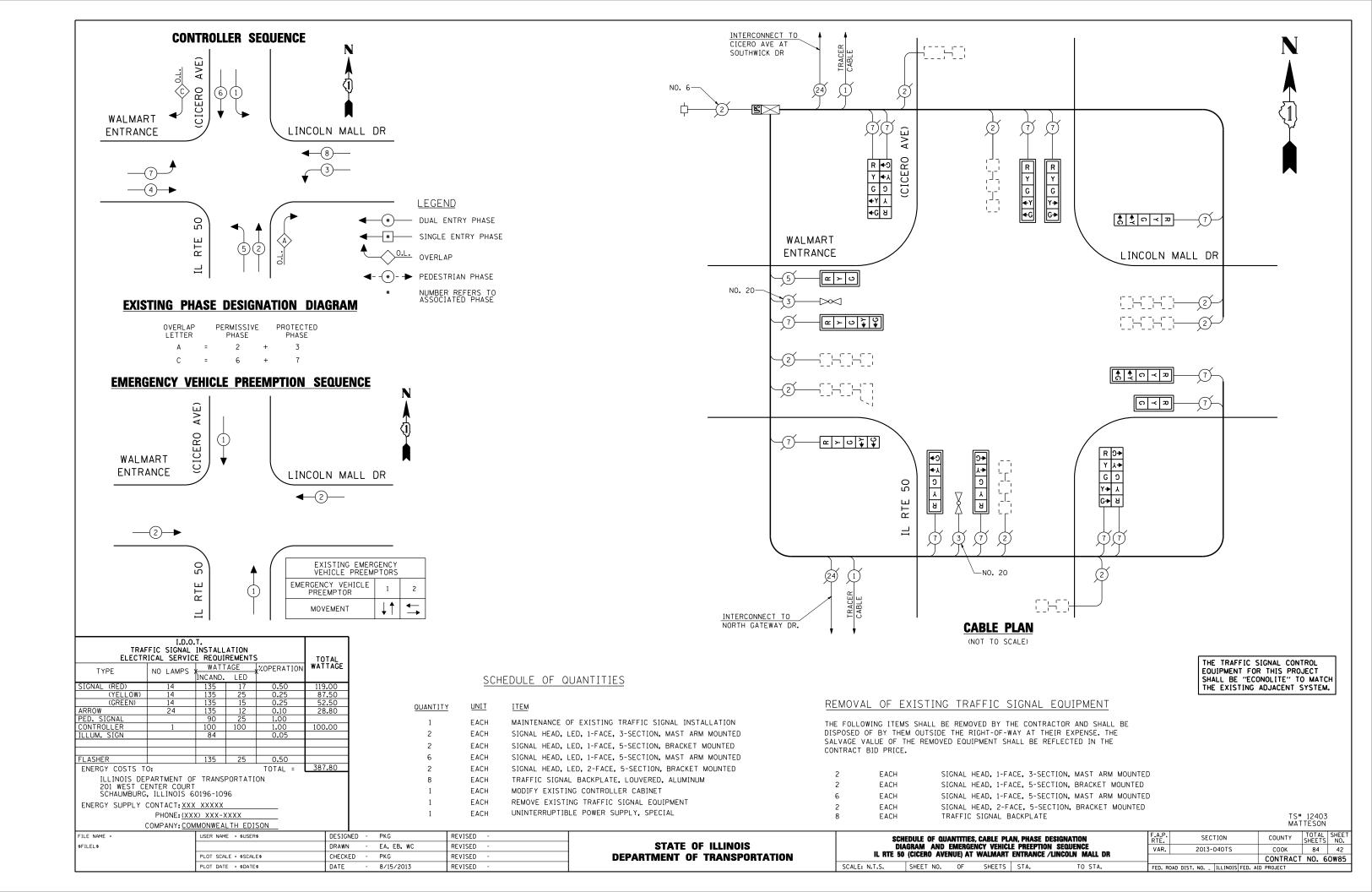
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. . | ILLINOIS|

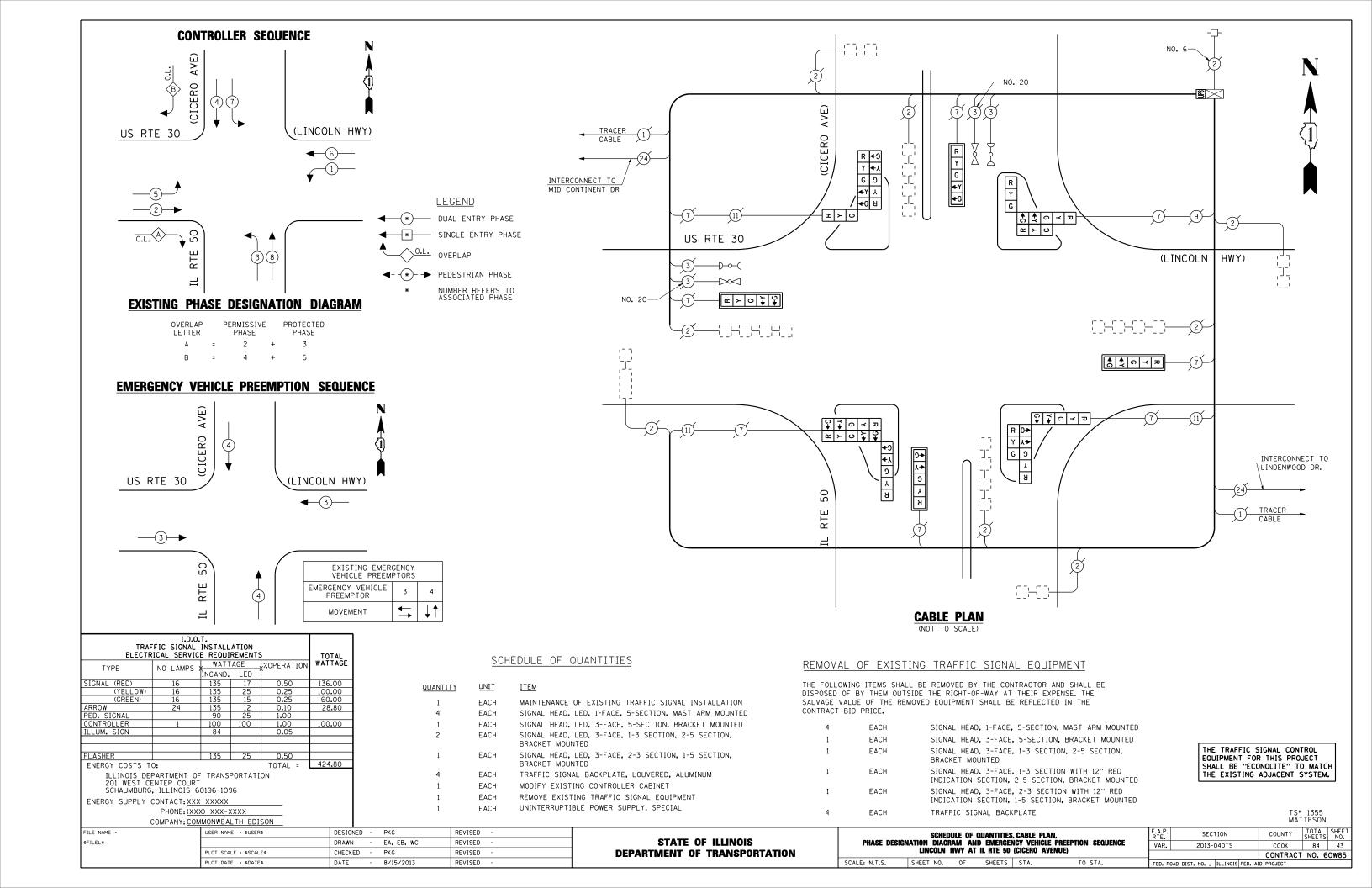
SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED

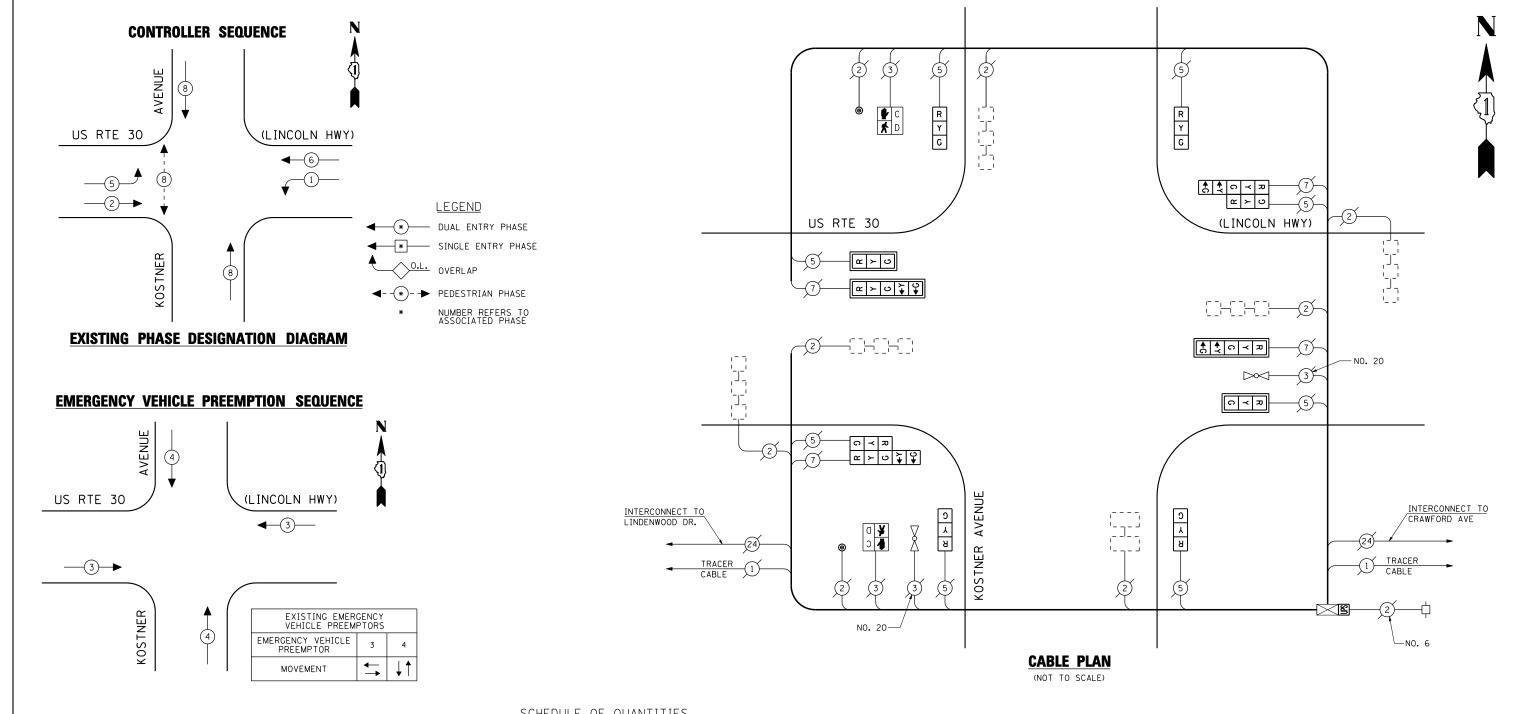
SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION,

BRACKET MOUNTED

SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.







SCHEDULE OF QUANTITIES

TTEM

OLIANITITY

LINIT

EACH

TRAF ELECTR	TOTAL								
TYPE	NO LAMPS :	WATT	AGE ;	%OPERATION	WATTAGE				
SIGNAL (RED)	12	135	17	0.50	102.00				
(YELLOW)	12	135	25	0.25	75.00				
(GREEN)	12	135	15	0.25	45.00				
ARROW	8	135	12	0.10	9.60				
PED. SIGNAL	2	90	25	1.00	50.00				
CONTROLLER	1	100	100	1.00	100.00				
ILLUM. SIGN		84		0.05					
EL ACUED		175	٥٢	0.50					
FLASHER		135	25	0.50	701.00				
ENERGY COSTS T	0:			TOTAL =	381.60				
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096									
ENERGY SUPPLY CONTACT: XXX XXXXX									
	PHONE: (XXX) XXX-XXXX								
	COMPANY: COM	IMONWEAL	TH EDI	SON					

QUANTITY	OINTT	<u>I I E M</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM 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
4	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED EACH EACH SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED EACH SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED EACH SIGNAL HEAD, 1-FACE, 3-SECTION WITH 12" RED INDICATION SECTION, BRACKET MOUNTED EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 1-5 SECTION, BRACKET MOUNTED

TRAFFIC SIGNAL BACKPLATE

PEDESTRIAN PUSH-BUTTON

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

CONTRACT BID PRICE.

EACH

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

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

TS# 1450 MATTESON

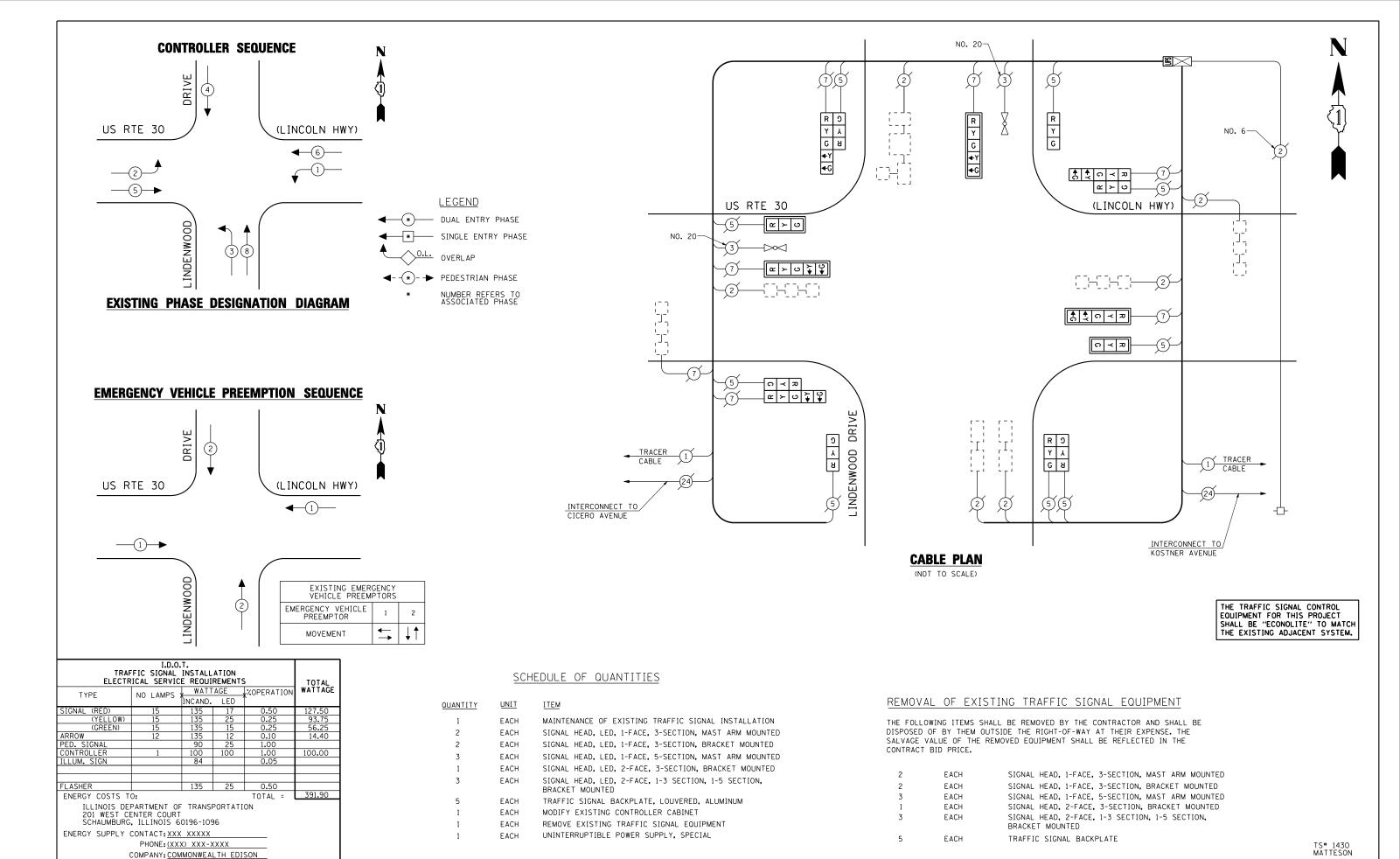
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	-	PKG	REVISED	-	
\$FILEL\$		DRAWN -	-	EA, EB, WC	REVISED	-	
	PLOT SCALE = \$SCALE\$	CHECKED -	-	PKG	REVISED	-	
	PLOT DATE = \$DATE\$	DATE -	-	8/15/2013	REVISED	-	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN,	F.A.P. RTE.	SECTION
PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEPTION SEQUENCE US RTE 30 (LINCOLN HWY) AT KOSTNER AVENUE	VAR.	2013-040T
US RIE 30 (LINCOLN RWYT) AI RUSINER AVENUE		

COUNTY TOTAL SHEET NO.

COOK 84 44 COUNTY CONTRACT NO. 60W85 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT



STATE OF ILLINOIS

PKG

PKG

EA. EB. WC

8/15/2013

DESIGNED -

DRAWN

DATE

CHECKED

FILE NAME

\$FILEL\$

USER NAME = \$USER\$

PLOT DATE = \$DATE\$

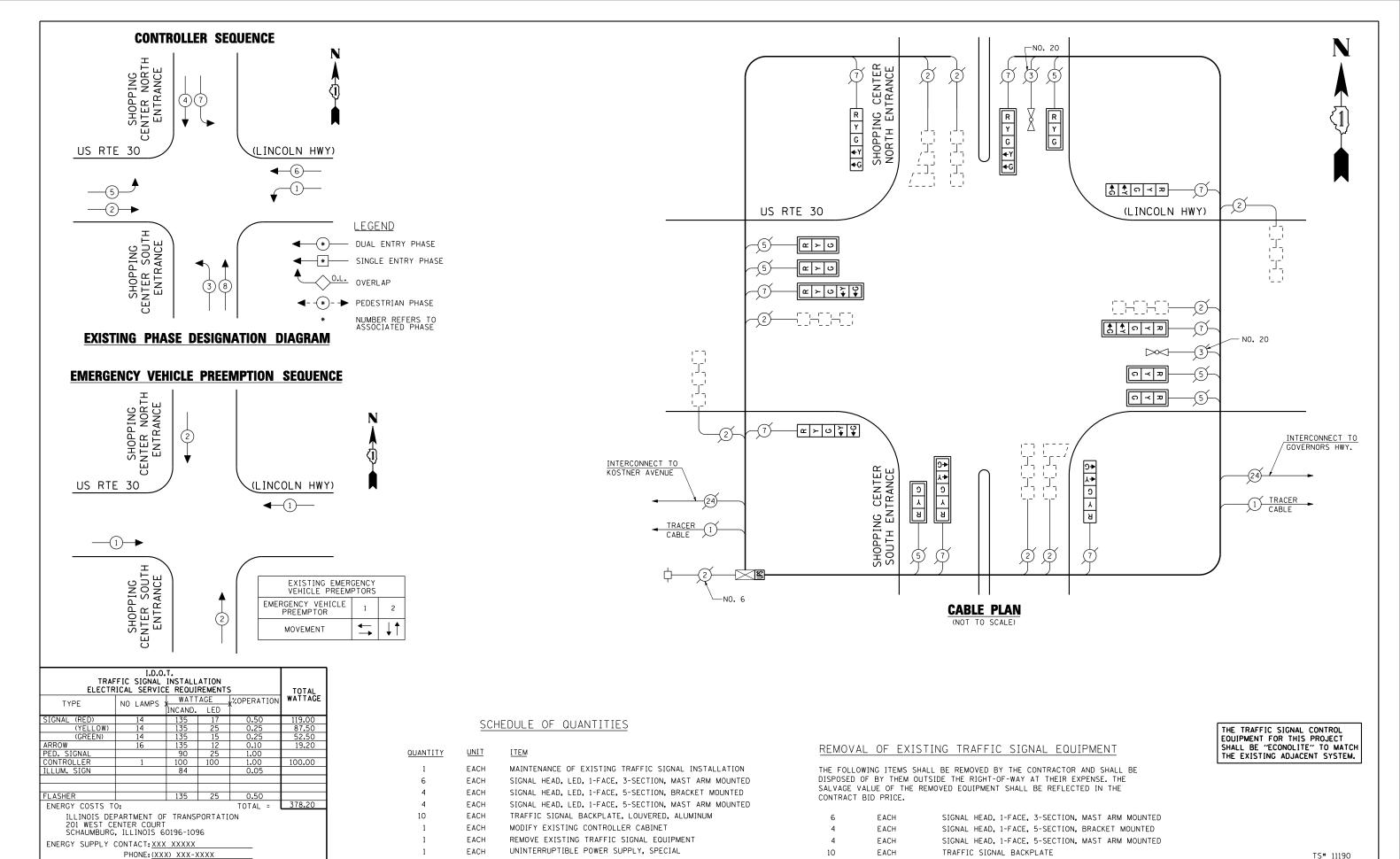
REVISED

REVISED

REVISED

REVISED

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION SECTION COUNTY DIAGRAM AND EMERGENCY VEHICLE PREEPTION SEQUENCE US RTE 30 (LINCOLN HWY) AT LINDENWOOD DRIVE /LINCOLN MALL VAR. 2013-040TS COOK 84 45 **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W85 SHEET NO. OF SHEETS STA. FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT



TS# 11190 MATTESON

PKG REVISED USER NAME = \$USER\$ DESIGNED -DRAWN EA, EB, WC REVISED CHECKED PKG REVISED PLOT DATE = \$DATE\$ DATE 8/15/2013 REVISED

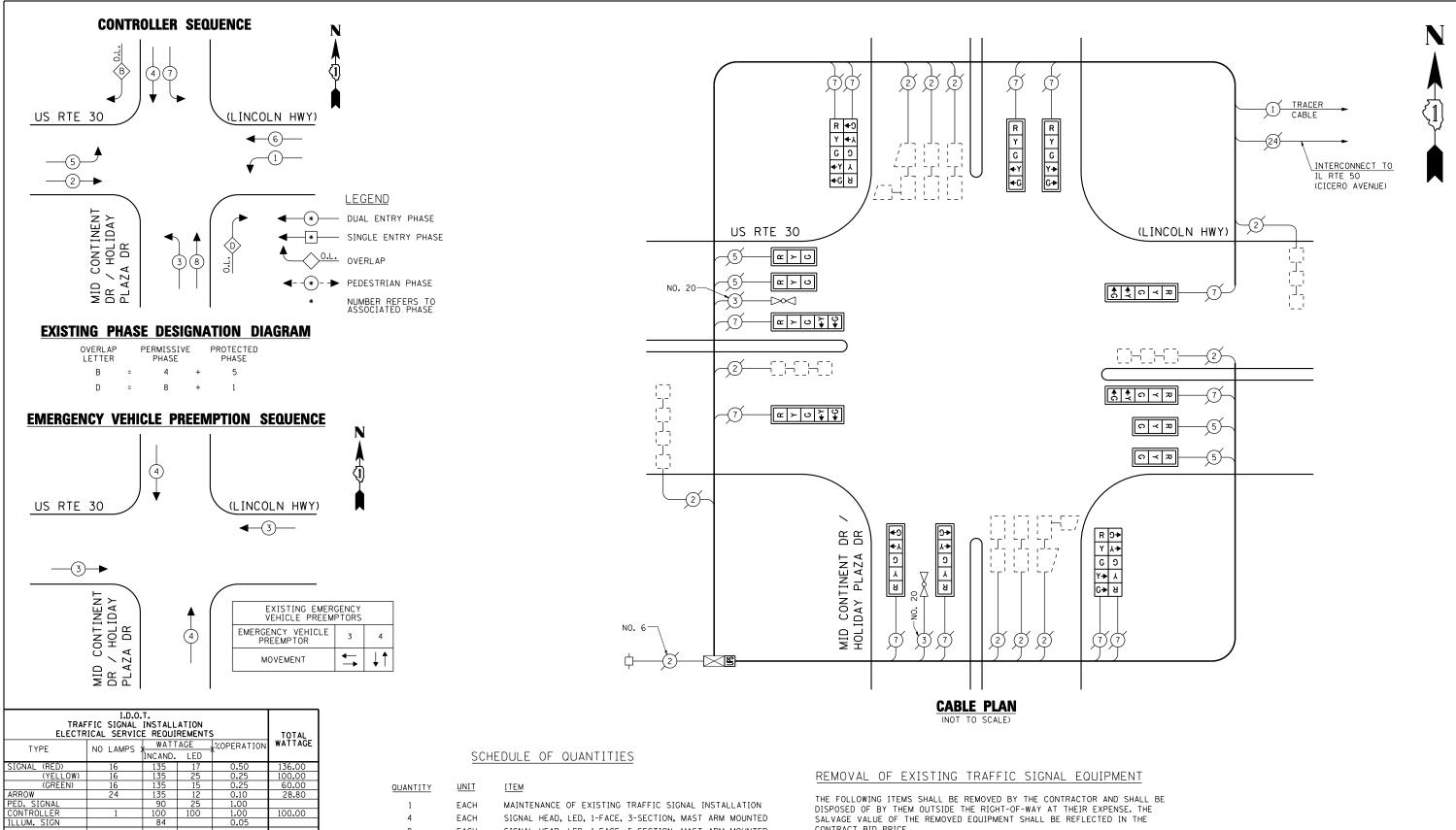
COMPANY: COMMONWEALTH EDISON

FILE NAME

\$FILEL\$

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SCHEDULE OF QUANTITIES, CABLE PLAN,
PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEPTION SEQUENCE
US RTE 30 (LINCOLN HWY) AT SHOPPING CENTER ENTRANCE DRIVE SHEET NO. OF SHEETS STA.

SECTION COUNTY 84 46 VAR. 2013-040TS COOK CONTRACT NO. 60W85



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

ENERGY COSTS TO:

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

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

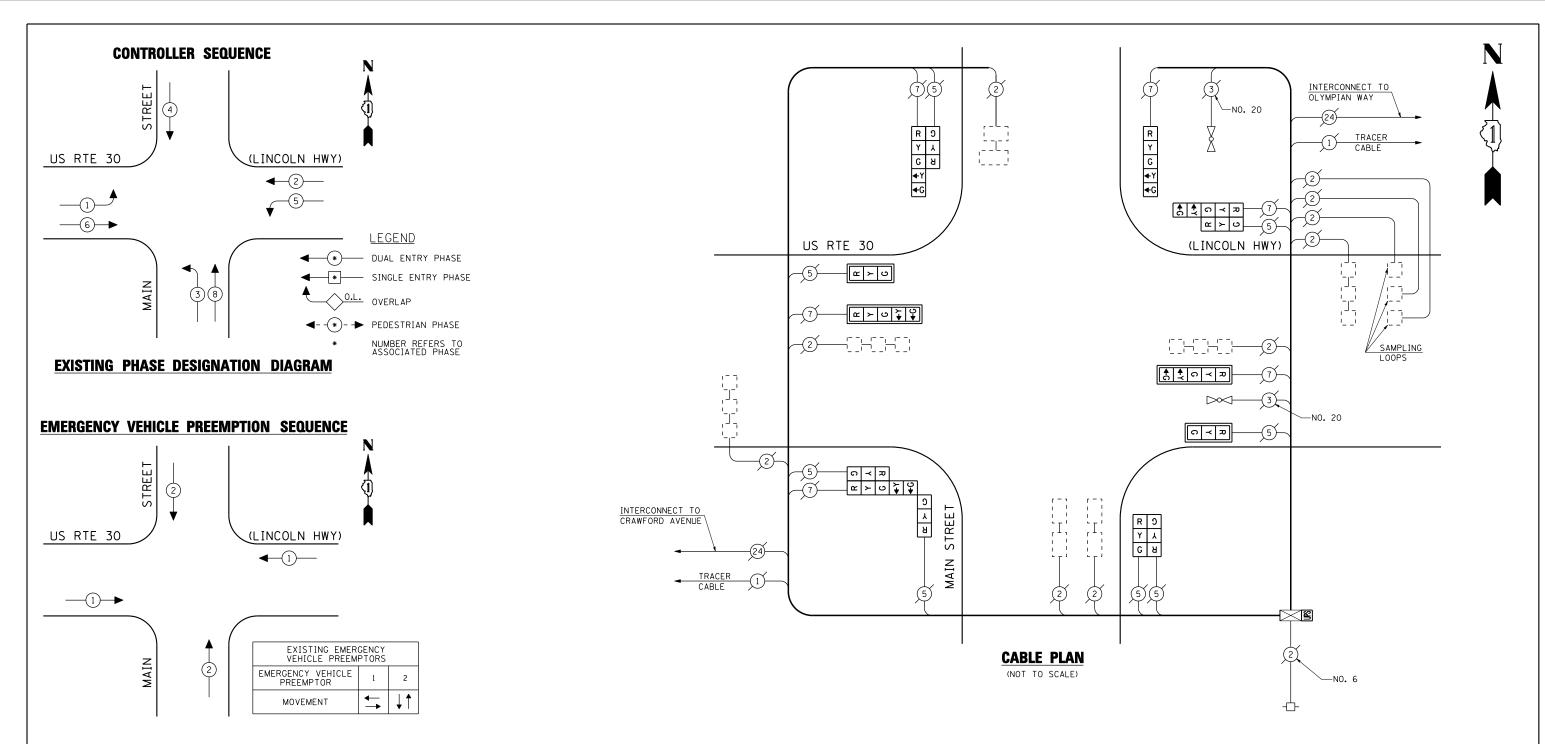
TOTAL =

4	EACH	SIGNAL	HEAD,	1-FACE,	3-SECTION,	MAST	ARM	MOUNTED
8	EACH	SIGNAL	HEAD,	1-FACE,	5-SECTION,	MAST	ARM	MOUNTED
2	EACH	SIGNAL	HEAD,	2-FACE,	5-SECTION,	BRACK	(ET I	MOUNTED
12	EACH	TRAFFI	C SIGN	AL BACKI	PLATE			

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

TS# 11345

	COMP	'ANY: COMMONWEALTH EDISON						MATTESON
FILE	NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION	F.A.P. SECTION	COUNTY TOTAL SHEET
\$FILE	EL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	DIAGRAM AND EMERGENCY VEHICLE PREEPTION SEQUENCE	VAR. 2013-040TS	COOK 84 47
		PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	US RTE 30 (LINCOLN HWY) AT MID CONTINENT DR /HOLIDAY PLAZA DR		CONTRACT NO. 60W85
		PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO ILLINOIS	S FED. AID PROJECT



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS									
TYPE	NO LAMPS :	WATT INCAND.	AGE ,	%OPERATION	WATTAGE				
SIGNAL (RED)	14	135	17	0.50	119.00				
(YELLOW)	14	135	25	0.25	87.50				
(GREEN)	14	135	15	0.25	52 . 50				
ARROW	12	135	12	0.10	14.40				
PED. SIGNAL		90	25	1.00					
CONTROLLER	1	100	100	1.00	100.00				
ILLUM. SIGN		84		0.05					
FLASHER		135	25	0.50					
ENERGY COSTS TO	0:			TOTAL =	373.40				
201 WEST CE	PARTMENT OF ENTER COURT , ILLINOIS 6			ON					
ENERGY SUPPLY	CONTACT: XXX	XXXXX							
	PHONE: (XX)	X) XXX->	(XXX						

COMPANY: COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

2	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	TRAFFIC SIGNAL BACKPLATE

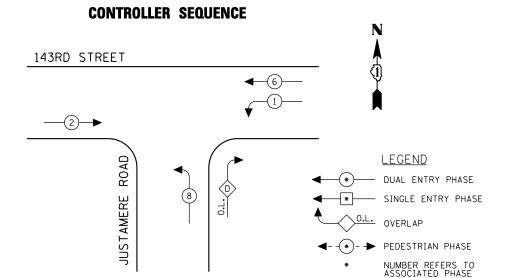
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 1385 MATTESON / OLYMPIA FIELD

FILE NAME =	USER NAME = \$USER\$	DESIGNED	-	PKG	REVISED -
\$FILEL\$		DRAWN	-	EA, EB, WC	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED	-	PKG	REVISED -
	PLOT DATE = \$DATE\$	DATE	-	8/15/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

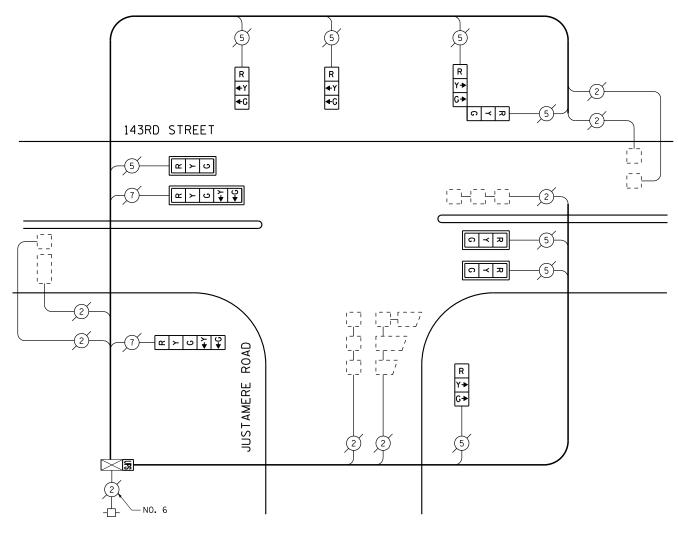
					DESIGNATION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DIA	GRAM AND I US RTE 3				ION SEQUENCE	VAR.	2013-040TS	COOK	84	48
		U (LINCU	LIN HANT) P	I INWIN	SINEEL			CONTRACT	NO. 6	50W85
SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROA	AD DIST. NO ILLINOIS FED. AI	D PROJECT		



EXISTING PHASE DESIGNATION DIAGRAM

OVERLAP LETTER PERMISSIVE PROTECTED PHASE

D = 8 + 1



CABLE PLAN (NOT TO SCALE)

SCHEDULE OF QUANTITIES

TRAF ELECTR	TOTAL							
TYPE	NO LAMPS	, WATT	AGE 、	%OPERATION	WATTAGE			
	NO EANS A	INCAND.	LED	•				
SIGNAL (RED)	10	135	17	0.50	85.00			
(YELLOW)	10	135	25	0.25	62.50			
(GREEN)	10	135	15	0.25	37.50			
ARROW	4	135	12	0.10	4.80			
PED. SIGNAL		90	25	1.00				
CONTROLLER	1	100	100	1.00	100.00			
ILLUM. SIGN		84		0.05				
FL ASHER		135	25	0.50				
ENERGY COSTS TO:								
201 WEST CE	PARTMENT OF ENTER COURT , ILLINOIS 6			ON				

ENERGY SUPPLY CONTACT: XXX XXXXX

PHONE: (XXX) XXX-XXXX

COMPANY: COMMONWEALTH EDISON

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

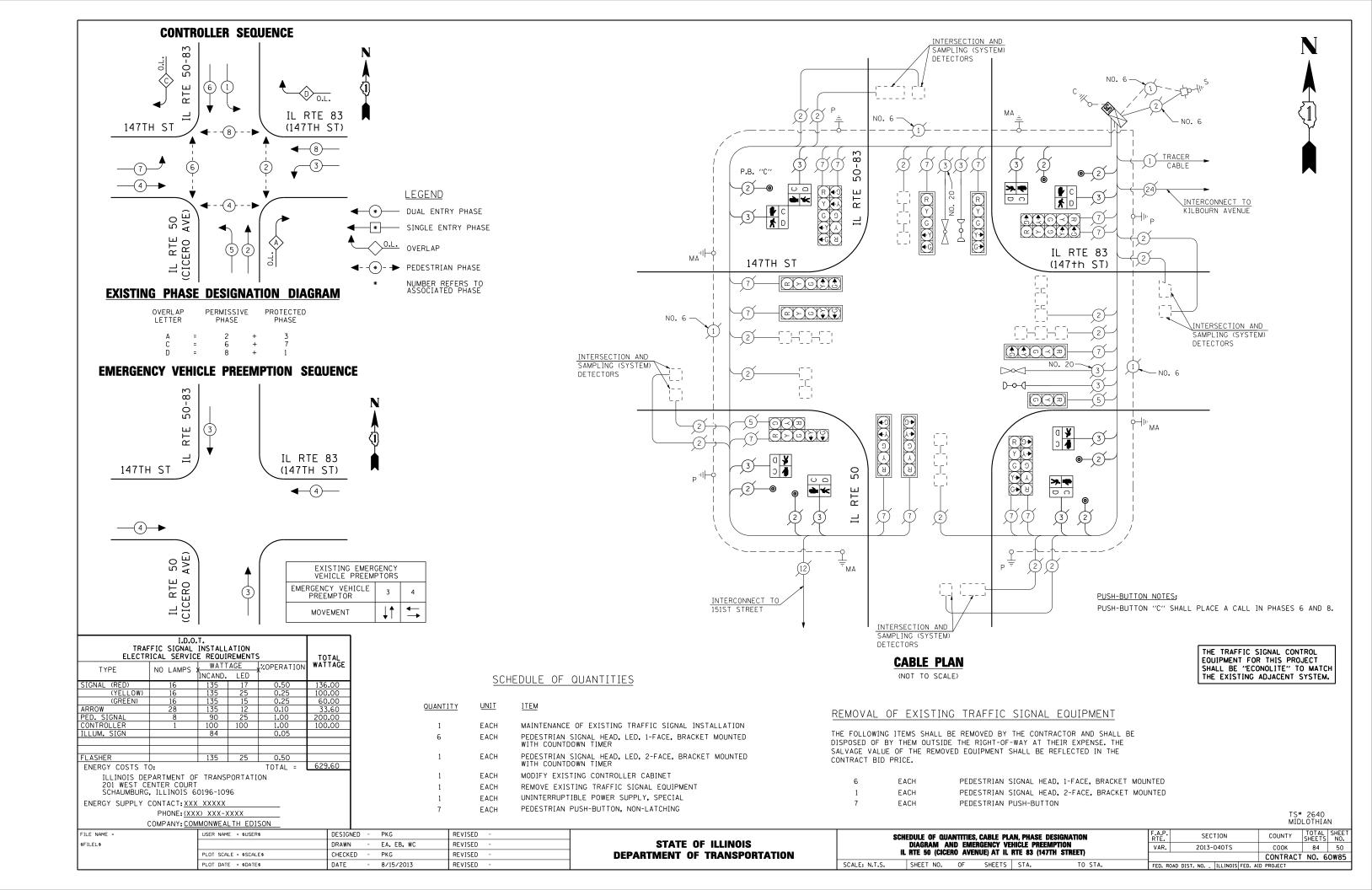
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

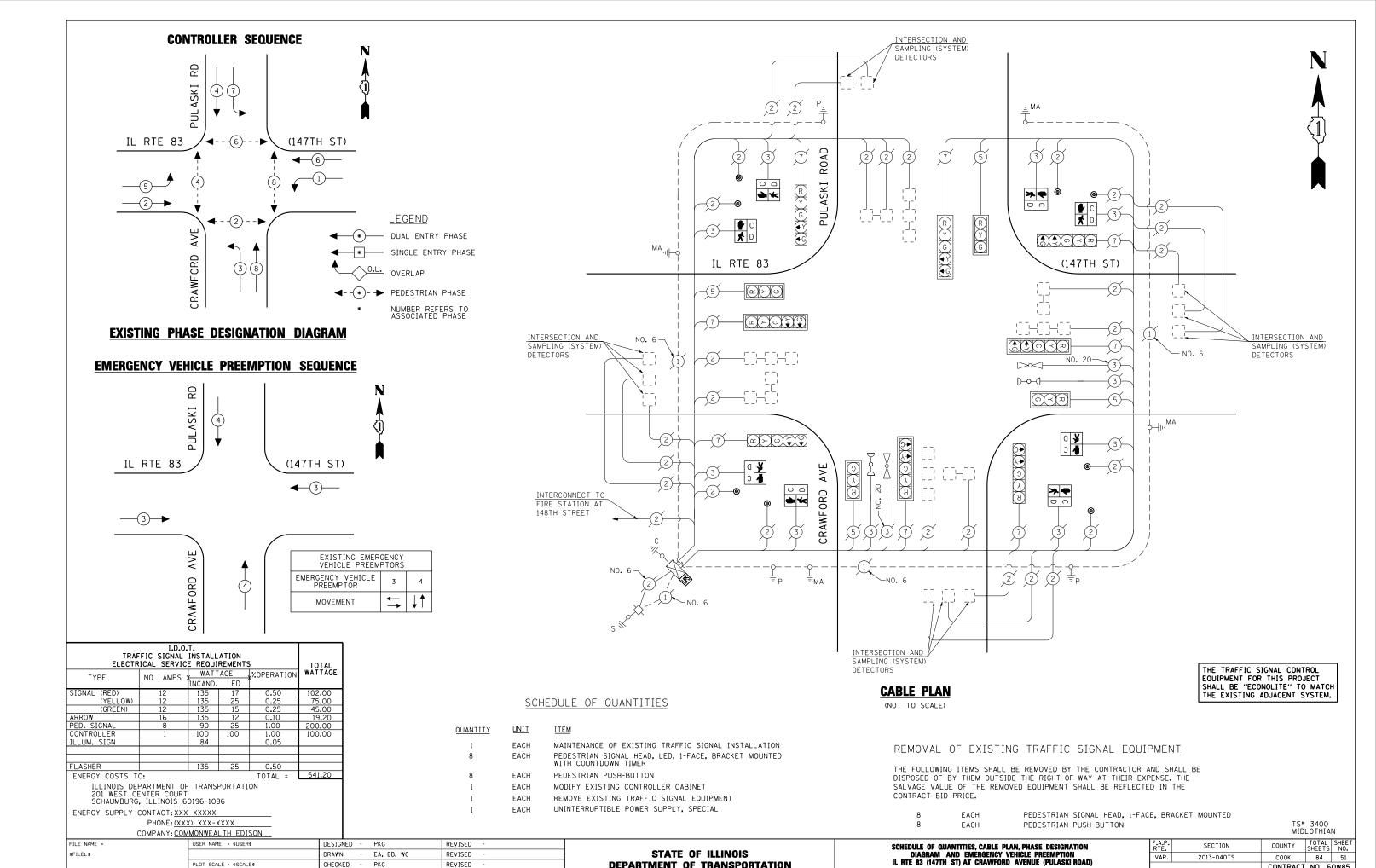
3	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
3	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED
4	EACH	TRAFFIC SIGNAL BACKPLATE

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

TS# 9727 MIDLOTHIAN

	COM ANT. COM	WONTEALTH EDISON															
FILE NAM	1E =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -			SCHE	DULE OF	QUANTITI	IES. CA	BLE PLAN		F.A.P.	SECTION	COUNTY	TOTAL SHE	EET
\$FILEL\$			DRAWN - EA, EB, W	REVISED -	STATE OF ILLINOIS				DESIGNAT				VAR.	2013-040TS	соок	84 4	49
		PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		JUSTAMERE	ROAD A	T 143RD S	STREET	/OAK PARK A	VE			CONTRAC	T NO. 60WE	85
		PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	s st	Α.	TO STA.	FED. ROAD	DIST. NO ILLINOIS FED.	AID PROJECT		





DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.

SHEET NO. OF SHEETS STA.

CHECKED

DATE

PLOT DATE = \$DATE\$

PKG

8/15/2013

REVISED

REVISED

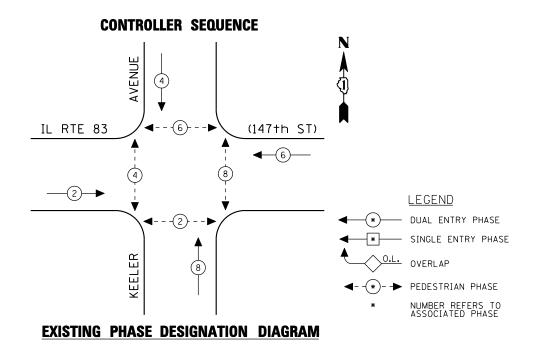
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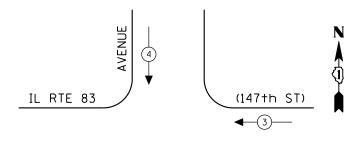
2013-040TS

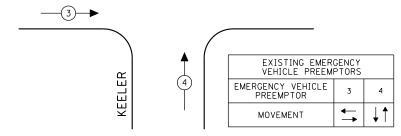
COOK

84 51

CONTRACT NO. 60W85







TRAF ELECTR	TOTAL								
TYPE	TYPE NO LAMPS WATTAGE COPERATION								
SIGNAL (RED)	12	135	17	0.50	102.00				
(YELLOW)	12	135	25	0.25	75.00				
(GREEN)	12	135	15	0.25	45.00				
ARROW		135	12	0.10					
PED. SIGNAL	8	90	25	1.00	200.00				
CONTROLLER	1	100	100	1.00	100.00				
ILLUM. SIGN		84		0.05					
E. 1011ED		475	0.5	0.50					
FLASHER		135	25	0.50	500.00				
ENERGY COSTS T	0:			TOTAL =	522.00				
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096									
ENERGY SUPPLY	CONTACT: XXX	XXXXX							
	PHONE: (XX)	X) XXX-X	XXX						

SCHEDULE OF QUANTITIES

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

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM. REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT THE FOLLOWING LIERS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE

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.

CABLE PLAN

(NOT TO SCALE)

NO. 6

(R) Y) G

KEELER AVENUE

IL RTE 83

МА⊲І⊢ф

NO. 20+

_NO. 20

X

P.B. "C"

(147th STREET)

MΑ

(a)(3)(a)

(O)(3)(2)

PUSH-BUTTON NOTE:

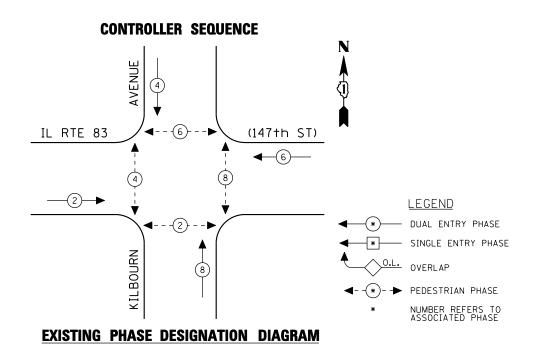
PUSH-BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.

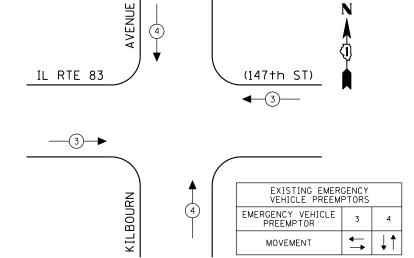
PUSH-BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.

4	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED
6	FACH	PEDESTRIAN PUSH-RUTTON

TS# 3445 MIDLOTHIAN

COMPANY: CO	MMONWEALTH EDISON						MIDLO	OTHIAN	
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN.	F.A.P. SECTION		TOTAL SH SHEETS N	IEE NO.
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEPTION SEQUENCE	VAR. 2013-040TS	соок	84	52
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 83 (147TH STREET) AT KEELER AVENUE		CONTRACT N	NO. 60W	v85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO ILLINOIS FED.	AID PROJECT		





TRAF ELECTR	TOTAL WATTAGE								
TYPE	TYPE NO LAMPS * WATTAGE */OPERATION								
		INCAND.	LED	•					
SIGNAL (RED)	12	135	17	0.50	102.00				
(YELLOW)	12	135	25	0.25	75.00				
(GREEN)	12	135	15	0.25	45.00				
ARROW		135	12	0.10					
PED. SIGNAL	8	90	25	1.00	200.00				
CONTROLLER	1	100	100	1.00	100.00				
ILLUM. SIGN		84		0.05					
FLASHER		135	25	0.50					
ENERGY COSTS T	0:			TOTAL =	522.00				
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096									
ENERGY SUPPLY	CONTACT: XXX	XXXXX							
	PHONE: (XX)	() XXX->	XXX						

SCHEDULE OF QUANTITIES

QUANTITY	<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	UNINTERRUPTIBLE 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.

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

CABLE PLAN

(NOT TO SCALE)

_NO. 20

(147th STREET)

(a)(3)(a)

PUSH-BUTTON NOTES:

P.B. "D"

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

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.

MΑ

TS#	3455
MĪDI	OTHIAN

	COMPANY: COMMONWEALTH EDISON								MIDLOTHIAN
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -			SCHEDULE OF QUANTITIES, CABLE PLAN.	F.A.P.	SECTION	COUNTY TOTAL SHEET
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	PHASE DESIG	SNATION DIAGRAM AND EMERGENCY VEHICLE PREEPTION SEQUENCE	VAR.	2013-040TS	COOK 84 53
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		IL RTE 83 (147TH STREET) AT KILBOURN AVENUE			CONTRACT NO. 60W85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DI	IST. NO ILLINOIS FED. A	

P.B. "B"

IL RTE 83

(C)(C)(C)

P.B. "A"

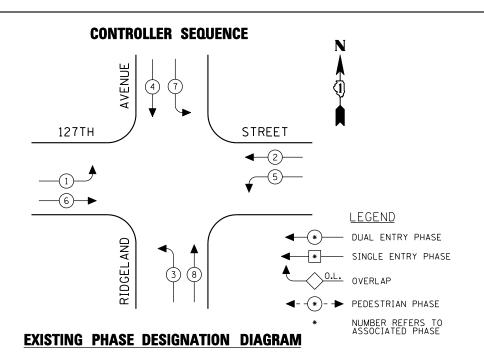
МА⊲І⊢ф

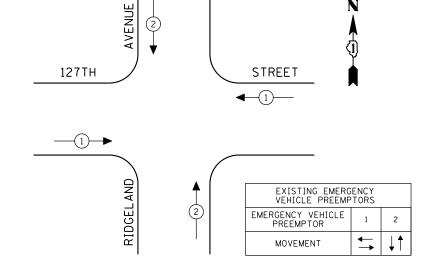
NO. 6

(R) Y) (G)

KILBOURN AVENUE

(C)





TRAF ELECTR	TOTAL_										
TYPE	NO LAMPS :	WATT		%OPERATION	WATTAGE						
SIGNAL (RED)	16		17	0.50	136.00						
(YELLOW)	16		25	0.25	100.00						
(GREEN)	16		15	0.25	60.00						
ARROW	16		12	0.10	19.20						
PED. SIGNAL			25	1.00							
CONTROLLER	1		100	1.00	100.00						
ILLUM. SIGN				0.05							
VEH. DETECTION			5	1.00							
FLASHER				0.50							
ENERGY COSTS TO	ENERGY COSTS TO: TOTAL = 415.20										
201 WEST CE	ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096										

COMPANY: COMMONWEALTH EDISON

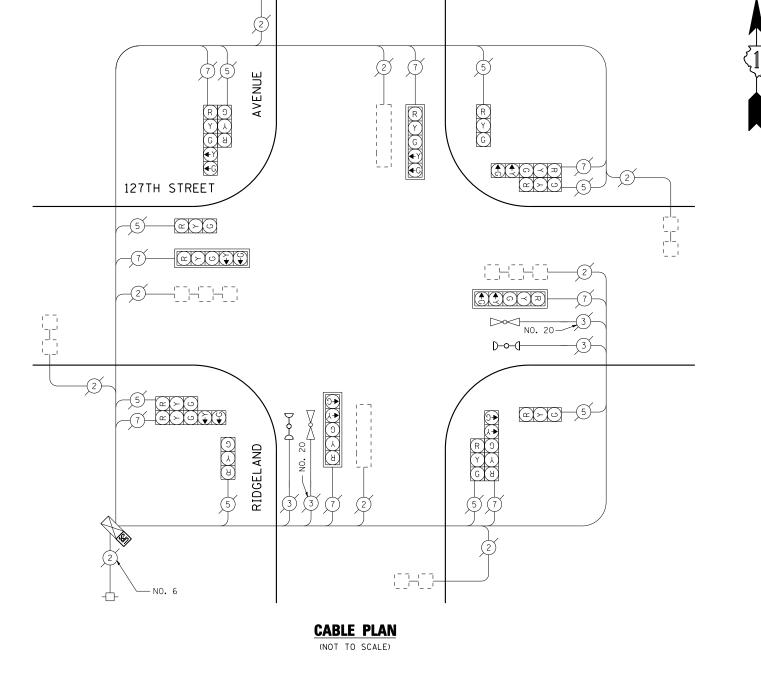
USER NAME = \$USER\$

PLOT DATE = \$DATE\$

FILE NAME

\$FILEL\$

ESIGNED -	PKG	REVISED -	
RAWN -	EA, EB, WC	REVISED -	STATE OF
HECKED -	PKG	REVISED -	DEPARTMENT OF
ATE -	8/15/2013	REVISED -	



SCHEDULE OF QUANTITIES

QUANTITY UNIT ITEM

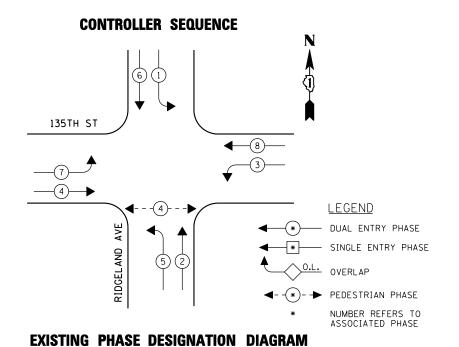
1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

1 EACH MODIFY EXISTING CONTROLLER CABINET
1 EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

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

TS# 4000 PALOS HEIGHTS

OTATE OF HANDIO	SCH	EDULE OF QUA					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STATE OF ILLINOIS		DIAGRAM A			HICLE PREEM AND AVENUE		VAR.	2013-040TS	соок	84	54
DEPARTMENT OF TRANSPORTATION			•	711 1112-011					CONTRAC	T NO. 6	50W85
	SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. RO	DAD DIST. NO ILLINOIS	FED. AID PROJECT		



REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

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

TRAF ELECTR	TOTAL					
TYPF	NO LAMPS	WATT	AGE ,	%OPERATION	WATTAGE	
1112	NO EANS A	ÎNCAND.	LED [*]			
SIGNAL (RED)	16	135	17	0.50	136.00	
(YELLOW)	16	135	25	0.25	100.00	
(GREEN)	16	135	15	0.25	60.00	
ARROW	16	135	12	0.10	19.20	
PED. SIGNAL	2	90	25	1.00	50.00	
CONTROLLER	1	100	100	1.00	100.00	
ILLUM. SIGN		84		0.05		
FLASHER		135	25	0.50		
ENERGY COSTS TO: TOTAL = 465.20						
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096						

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

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

(5)

NO. 6

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

NO. 8

NO. 8

F

CAT5

STREET

WB6 WB5

WB4 WB3

WB2 WB1

(12)

TS# 4035 PALOS HEIGHTS

	COMPANY: COMMONWEALTH EDISON									PAL	OS HEIC	SHTS
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -			SCHEDULE OF QUANTITIES, CABLE PLAN		F.A.P.	SECTION	COUNTY	TOTAL	SHEET NO.
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS		AND PHASE DESIGNATION DIAGRAM		VAR.	2013-040TS	СООК	84	55
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		135TH STREET AT RIDGELAND AVENUE				CONTRACT	NO. 60)W85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS STA. TO	STA.	FED. ROAD DI	ST. NO ILLINOIS FED	AID PROJECT		

COAXIAL

-(c)(x)(c)

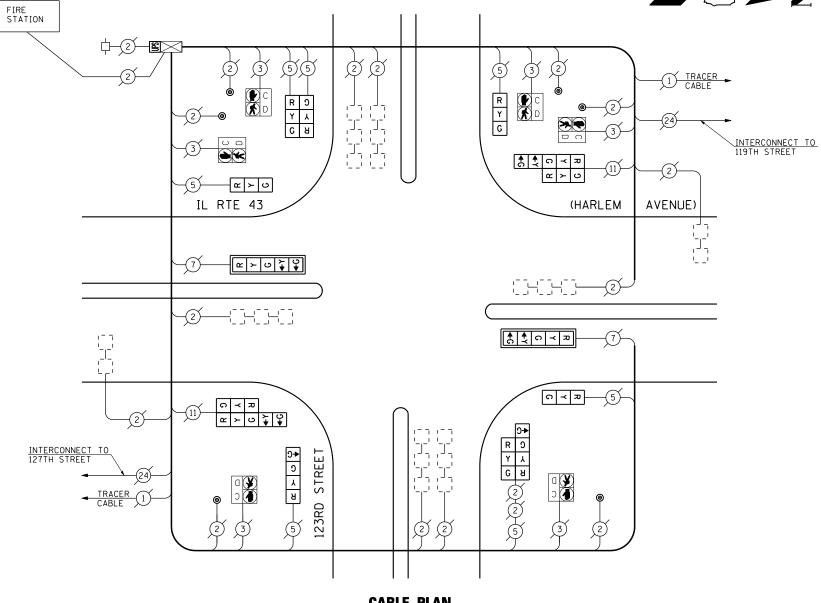
AVENUE

RIDGEL AND

CABLE PLAN
(NOT TO SCALE)

135TH

. _ _ _ _

CONTROLLER SEQUENCE IL RTE 43 (HARLEM AVENUE) (B) (HARLEM AVENUE) (HARLEM AVENUE) (B) (HARLEM AVENUE)


CABLE PLAN

(NOT TO SCALE)

SCHEDULE OF QUANTITIES

	I.D.O. FFIC SIGNAL RICAL SERVIC	INSTALL		S	TOTAL WATTAGE	
TYPE	NO LAMPS :	NO LAMPS WATTAGE "OPERATION INCAND. LED				
SIGNAL (RED)	14		17	0.50	119.00	
(YELLOW)	14		25	0.25	87.50	
(GREEN)	16		15	0.25	60.00	
ARROW	8		12	0.10	9.60	
PED. SIGNAL	6		25	1.00	150.00	
CONTROLLER	1		100	1.00	100.00	
ILLUM. SIGN				0.05		
VEH. DETECTION			5	1.00		
FLASHER				0.50		
ENERGY COSTS T	0:			TOTAL =	526.10	
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096						
ENERGY SUPPLY CONTACT: XXX XXXXX						
PHONE: (XXX) XXX-XXXX						
	COMPANY: COM	IMONWEA	LTH EDI	SON		

EXISTING PHASE DESIGNATION DIAGRAM

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

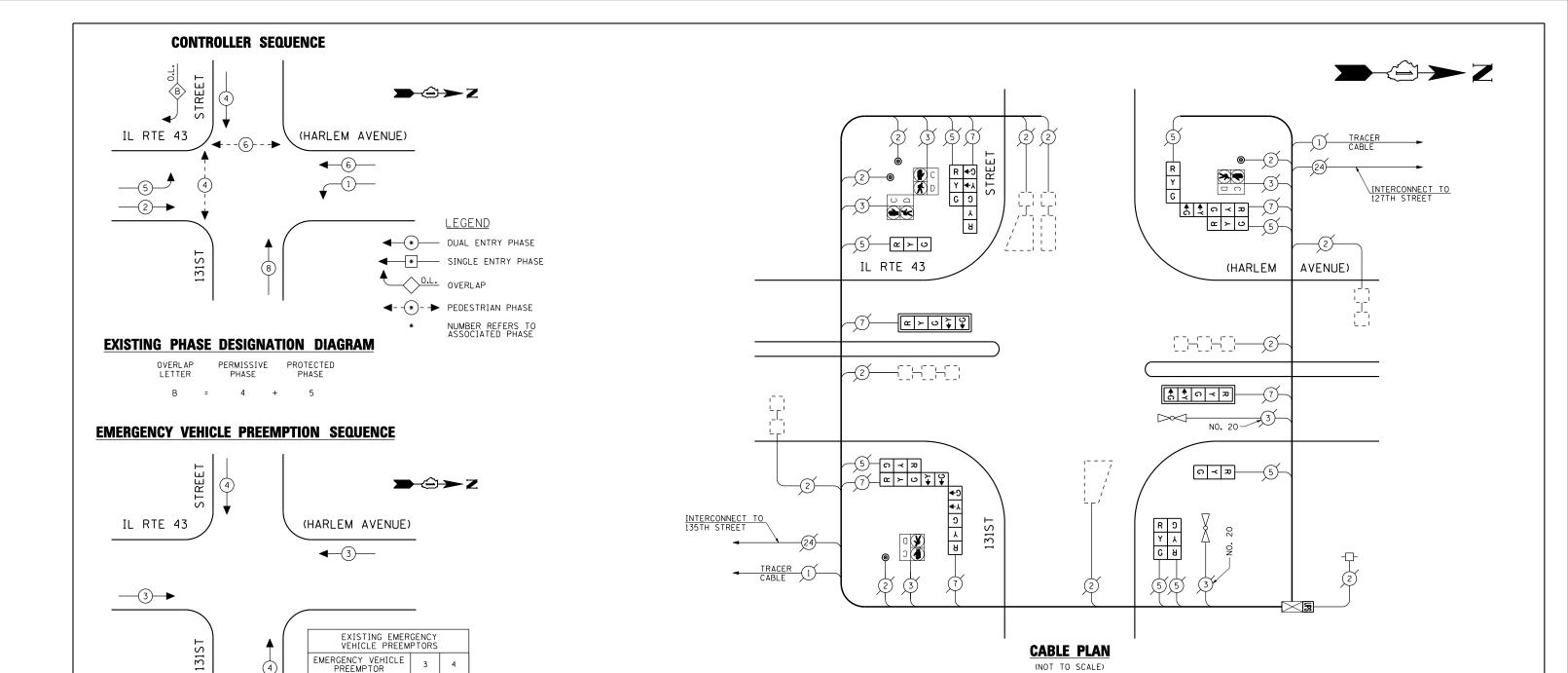
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION WITH 12" RED INDICATION SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED
2	EACH	TRAFFIC SIGNAL BACKPLATE

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

TS# 2220 PALOS HEIGHTS

	COMI ANT. COM	WONTEALTH EDISON													
FILE N	AME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -			SCHEDULE OF QUAR	NTITIES	. CABLE PLAN	1	F.A.P.	SECTION	COUNTY	TOTA	AL SHEE
\$FILEL:	\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS		AND PHASE DESI				VAR.	2013-040TS	соок	84	4 56
		PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		IL RTE 43 (HARLEM A	(VENUE)) AT 123RD S	TREET			CONTRA	ACT NO.	. 60W85
		PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO. OF SI	SHEETS	STA.	TO STA.	FED. ROAD	DIST. NO ILLINOIS FEE	. AID PROJECT		



SCHEDULE OF QUANTITIES

BRACKET MOUNTED

BRACKET MOUNTED

BRACKET MOUNTED

 $\stackrel{\longleftarrow}{\rightarrow}$

QUANTITY

<u>UNI T</u>

EACH

EACH

EACH

EACH

EACH

EACH

EACH

EACH

EACH

MOVEMENT

TOTAL WATTAGE

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX

TYPE

PED. SIGNAL
CONTROLLER
ILLUM. SIGN
VEH. DETECTION

ENERGY COSTS TO:

WATTAGE %OPERATION

TOTAL =

NCAND. LED

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

2	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION WITH 12" RED INDICATION SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 3-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 3-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 2-5 SECTION, BRACKET MOUNTED
2	FΔCH	TRAFFIC SIGNAL BACKPLATE

TS# 2230 PALOS HEIGHTS

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH

THE EXISTING ADJACENT SYSTEM.

PHONE: (XXX) XXX-XXXX UNINTERRUPTIBLE POWER SUPPLY, SPECIAL EACH COMPANY: COMMONWEALTH EDISON FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION SECTION COUNTY **STATE OF ILLINOIS** \$FILEL\$ DRAWN EA, EB, WC REVISED DIAGRAM AND EMERGENCY VEHICLE PREEMPTION IL RTE 43 (HARLEM AVENUE) AT 131ST STREET COOK 84 57 VAR. 2013-040TS CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W85 SCALE: N.T.S. SHEET NO. OF SHEETS STA. PLOT DATE = \$DATE\$ DATE 8/15/2013 REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

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

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

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

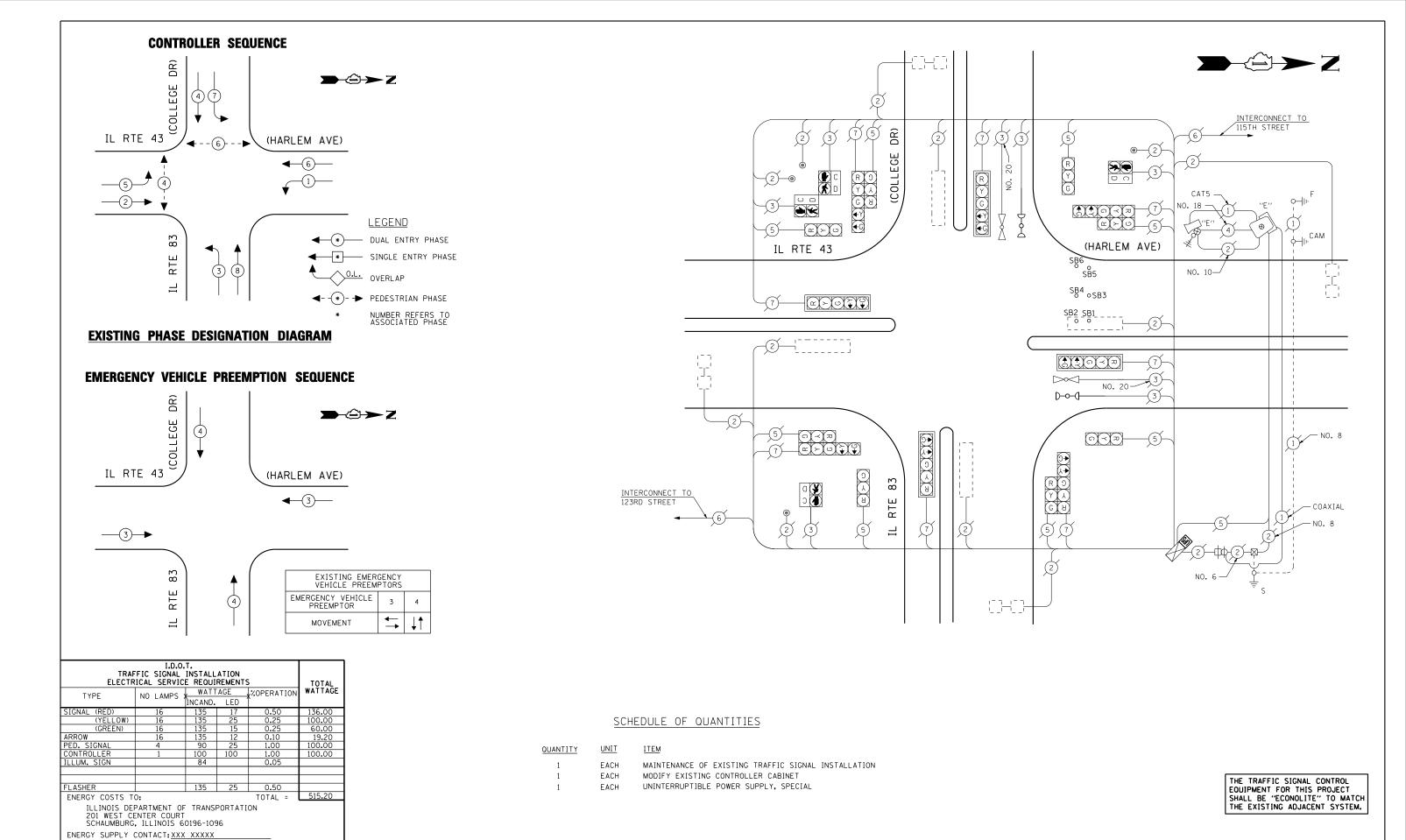
SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION, 2-5 SECTION,

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

TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

MODIFY EXISTING CONTROLLER CABINET

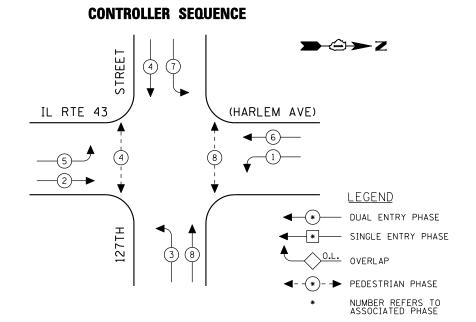


TS# 2105 PALOS HEIGHTS

FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION SECTION COUNTY STATE OF ILLINOIS \$FILEL\$ DRAWN EA, EB, WC REVISED DIAGRAM AND EMERGENCY VEHICLE PREEMPTION
IL RTE 43 (HARLEM AVENUE) AT IL RTE 83 (COLLEGE DRIVE) COOK 84 58 VAR. 2013-040TS CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W85 SCALE: N.T.S. SHEET NO. OF SHEETS STA. DATE REVISED PLOT DATE = \$DATE\$ 8/15/2013 FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

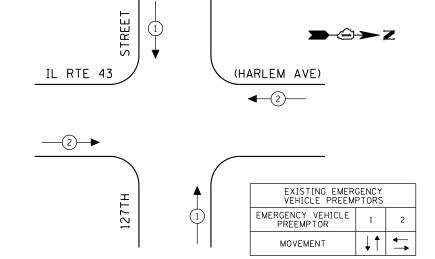
PHONE: (XXX) XXX-XXXX

COMPANY: COMMONWEALTH EDISON



EXISTING PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES

TRAF ELECTR	TOTAL_				
TYPE	NO LAMPS >	WATT		%OPERATION	WATTAGE
		INCAND.			
SIGNAL (RED)	16		17	0.50	136.00
(YELLOW)	16		25	0.25	100.00
(GREEN)	16		15	0.25	60.00
RROW	16		12	0.10	19.20
ED. SIGNAL	4		25	1.00	100.00
CONTROLLER	1		100	1.00	100.00
LLUM. SIGN				0.05	
'EH. DETECTION			5	1.00	
LASHER				0.50	
ENERGY COSTS TO	0:			TOTAL =	515.20
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY (ENERGY SUPPLY CONTACT: XXX XXXXX				
PHONE: (XXX) XXX-XXXX					
(COMPANY: COM	IMONWF AI	TH FDI	SON	

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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STREE.

127TH

R R

(5)

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

2	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION WITH 12" RED INDICATION SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 1-5 SECTION, BRACKET MOUNTED

CABLE PLAN
(NOT TO SCALE)

(7)(3)(3)

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(HARLEM AVE)

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C B C+Y

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IL RTE 43

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

INTERCONNECT TO 123RD STREET

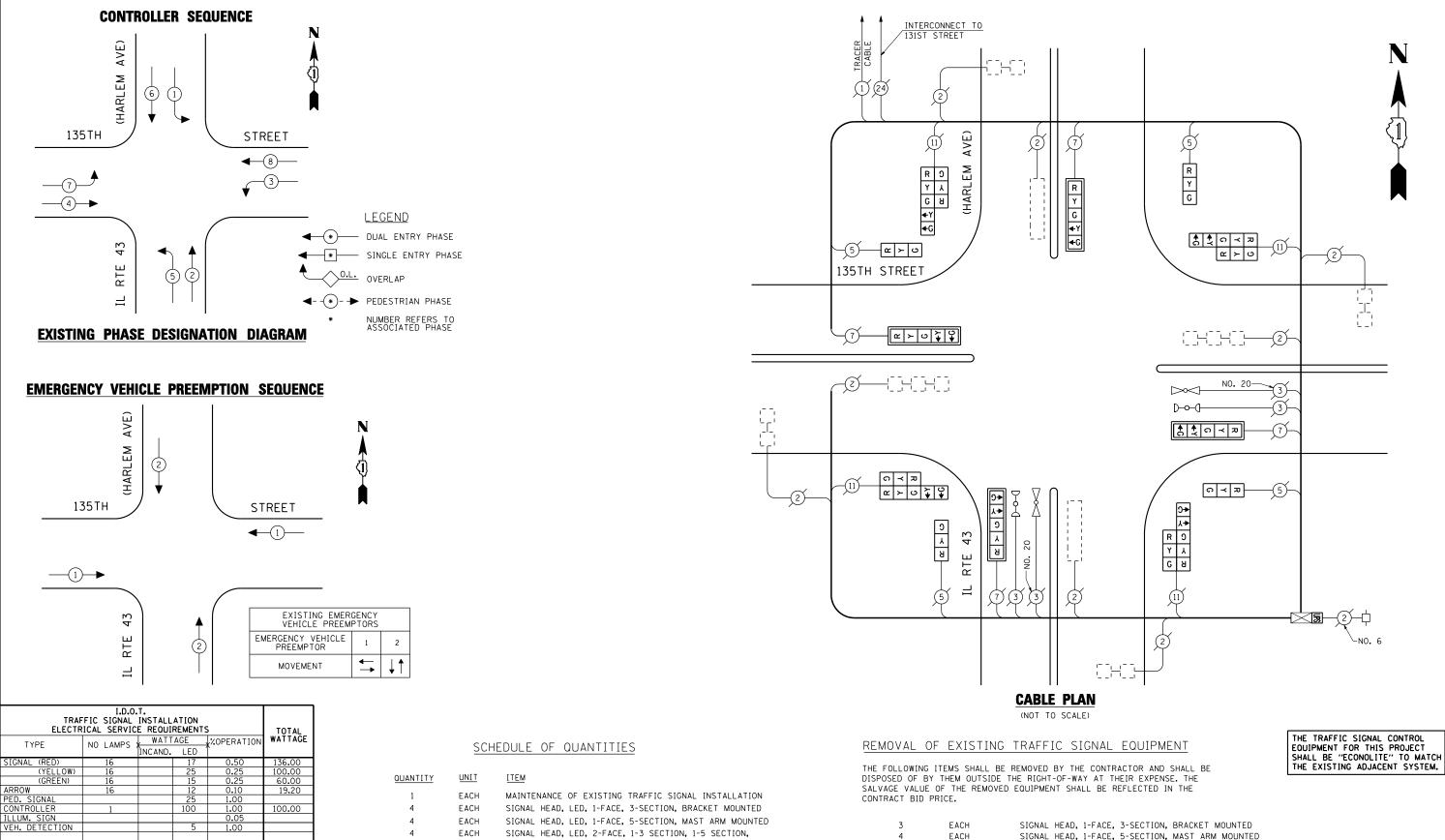
CABLE

TS# 2225 PALOS HEIGHTS

	COMI ANT. COM	WONTEAL THE EDISON						
FILE	NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION	F.A.P. SECTION	COUNTY TOTAL SHEE
\$FILE	EL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION	VAR. 2013-040TS	COOK 84 59
		PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 43 (HARLEM AVE) AT 127TH STREET		CONTRACT NO. 60W85
		PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO ILLINOIS FED.	AID PROJECT

TRACER 1

INTERCONNECT TO 131ST STREET



J	EACH	SIGNAL HEAD, I-FACE, S-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
3	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION WITH 12" RED INDICATION SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	TRAFFIC SIGNAL BACKPLATE

4	EACH	SIGNAL HEAD, I-FACE, S-SECTION, MAST ARM MOUNT
3	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION WITH 12" RED INDICATION SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED

TS# 2235 PALOS HEIGHTS

FILE NAME	=
\$FILEL\$	

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION

PHONE: (XXX) XXX-XXXX

COMPANY: COMMONWEALTH EDISON

201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX

USER NAME = \$USER\$	DESIGNED	-	PKG	REVISED	-
	DRAWN	-	EA, EB, WC	REVISED	-
PLOT SCALE = \$SCALE\$	CHECKED	-	PKG	REVISED	-
PLOT DATE = \$DATE\$	DATE	-	8/15/2013	REVISED	-

TOTAL =

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

BRACKET MOUNTED

TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

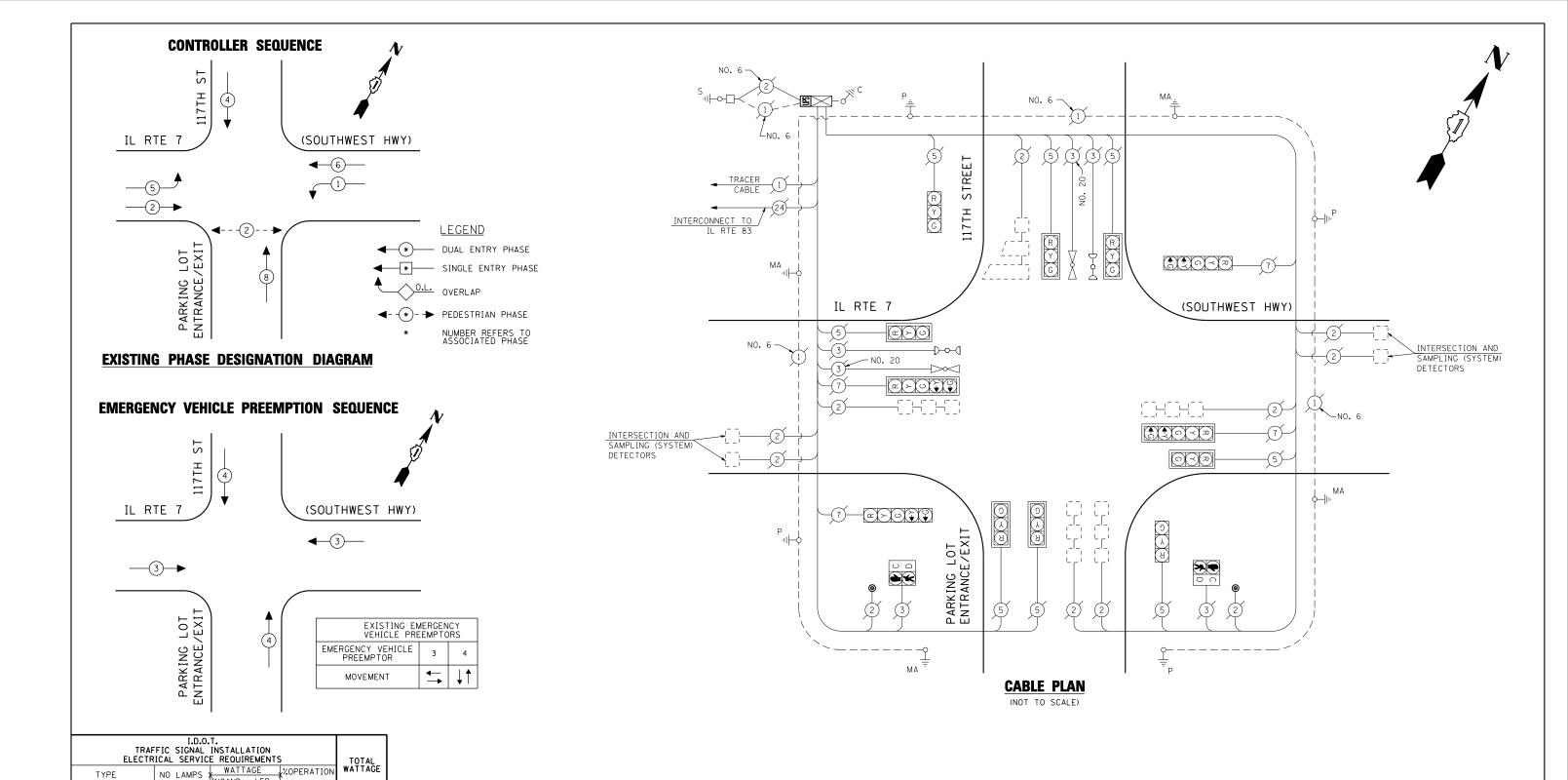
MODIFY EXISTING CONTROLLER CABINET

EACH

EACH

EACH

SCHI	EDULE OF QUA					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DIAGRAM A		ERGENCY VI I AVENUE)	VAR.	2013-040TS	соок	84	60		
	IL RIE 43	(NANLEN	I AVENUE)			CONTRACT	NO. 6	OW85		
SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. RO	DAD DIST. NO ILLINOIS FED. A	ID PROJECT		



ELECTR	TOTAL				
TYPF	NO LAMPS	WATT	AGE ,	%OPERATION	WATTAGE
	NO LAWI 5 /	INCAND.	LED [*]	Î	
SIGNAL (RED)	12	135	17	0.50	102.00
(YELLOW)	12	135	25	0.25	75.00
(GREEN)	12	135	15	0.25	45.00
ARROW	8	135	12	0.10	9.60
PED. SIGNAL	2	90	25	1.00	50.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	

FLASHER 135 25 0.50 ENERGY COSTS TO: TOTAL = 381.6

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

PHONE: (XXX) XXX-XXXX

COMPANY: COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

OUANTITY UNIT ITEM

1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1 EACH MODIFY EXISTING CONTROLLER CABINET
1 EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

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

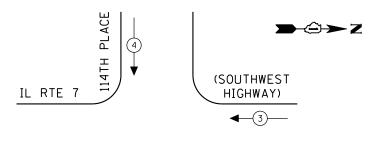
TS# 1903 PALOS HEIGHTS

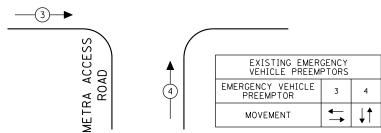
	001111 711111 <u>0011</u>																
F	ILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	RE	EVISED -		s	CHEDULE OF QU	ANTITIES.	CABLE P	LAN, PHASE DESIG	NATION	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
s	FILEL\$		DRAWN - EA, EE	EB, WC RE	EVISED -	STATE OF ILLINOIS	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION				TON	VAR.	2013-040TS	СООК	84	61	
		PLOT SCALE = \$SCALE\$	CHECKED - PKG	RE	EVISED -	DEPARTMENT OF TRANSPORTATION		IL RTE 7	(SOUTHW	EST HWY) AT 117TH STREE	ī			CONTRAC	CT NO. 6	50W85
		PLOT DATE = \$DATE\$	DATE - 8/15/2	/2013 RE	EVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD	DIST. NO ILLINOIS FED	AID PROJECT		

CONTROLLER SEQUENCE PLACE **→②**→Z (4) 114TH (SOUTHWEST IL RTE 7 HIGHWAY) **4**−(6)− LEGEND METRA ACCESS ROAD - SINGLE ENTRY PHASE (3)(8)>0.L. OVERLAP √ - (*) - → PEDESTRIAN PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EXISTING PHASE DESIGNATION DIAGRAM





TRAF ELECTR	TOTAL_					
TYPE	NO LAMPS	WATT		%OPERATION	WATTAGE	
		INCAND.	LED			
SIGNAL (RED)	12	135	17	0.50	102.00	
(YELLOW)	12	135	25	0.25	75.00	
(GREEN)	12	135	15	0.25	45.00	
ARROW	12	135	12	0.10	14.40	
PED. SIGNAL	ED. SIGNAL 4 90 25 1.00					
CONTROLLER	1	100	100	1.00	100.00	
ILLUM. SIGN		84		0.05		
FLASHER		135	25	0.50		
ENERGY COSTS T	0:			TOTAL =	436.40	
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096						
ENERGY SUPPLY	CONTACT: XXX	XXXXX				
	PHONE: (XX)	() XXX-X	XXX			

SCHEDULE OF QUANTITIES

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

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

TS# 1904 PALOS HEIGHTS

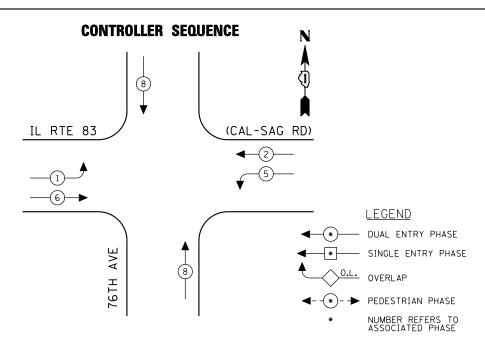
COMPANY: COMMONWEALTH EDISON COUNTY TOTAL SHEET NO. COOK 84 62 FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION SECTION COUNTY STATE OF ILLINOIS \$FILEL\$ DRAWN EA, EB, WC REVISED DIAGRAM AND EMERGENCY VEHICLE PREEMPTION
IL RTE 7 (SOUTHWEST HWY) AT METRA ACCESS ROAD (114TH PLACE) 2013-040TS VAR. CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W85 SCALE: N.T.S. SHEET NO. OF SHEETS STA. PLOT DATE = \$DATE\$ DATE - 8/15/2013 REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

				NO.	71
	,	P NO. 6		C	2 NO. 6
	MA ^{-III-O} IL RTE		7 6 R P C C C C C C C C C C C C C C C C C C	(SOUTHWEST HWY)	
INTERSECTION / SAMPLING (SYS [*] DETECTORS	7 [2]			NO. 20 NO. 20 3 NO. 20 5	INTERSECTION AND SAMPLING (SYSTEM) DETECTORS NO. 6
	MA 11-0	ACCESS ROAD ACCESS ROAD ACCESS ROAD ACCESS ROAD	3 5 2 2		INTERCONNECT TO INTERCONNECT T
	`~	METRA	NO. 6		
			-nuit ul ari		

CABLE PLAN

(NOT TO SCALE)

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

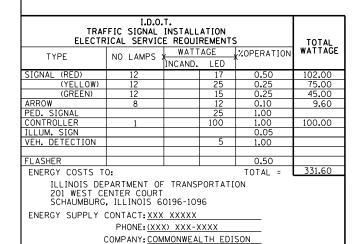


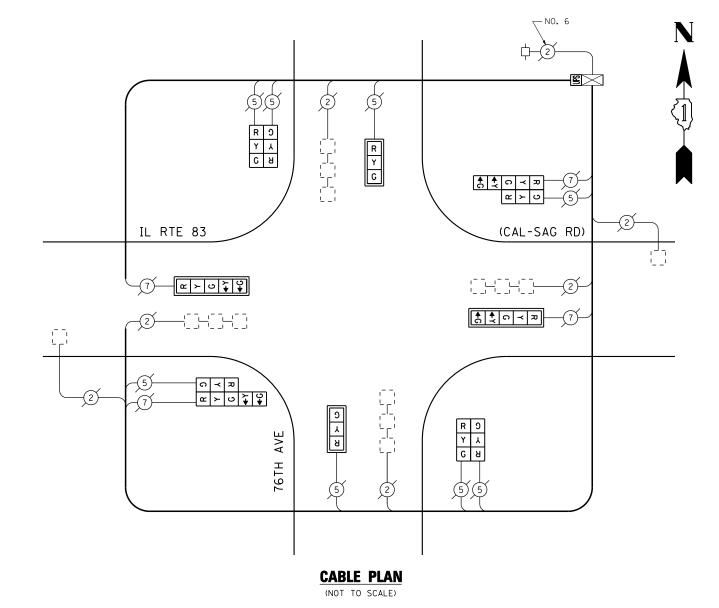
EXISTING PHASE DESIGNATION DIAGRAM

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

2	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION WITH 12" RED INDICATION SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	TRAFFIC SIGNAL BACKPLATE





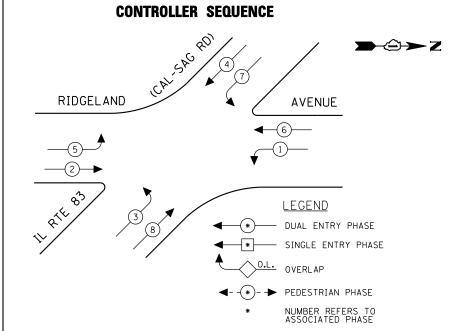
SCHEDULE OF QUANTITIES

QUANTITY	<u>UNIT</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
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
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

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

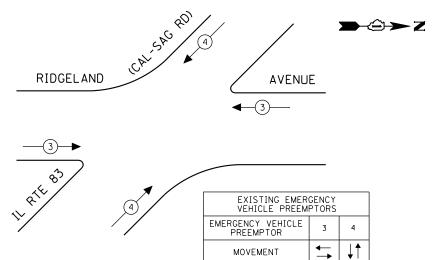
TS# 3532 PALOS HEIGHTS

	00mm /mm / <u>00m</u>											
FILE NAME =		USER NAME = \$USER\$	DESIGNED - PKG	REVISED -			SCHEDULE OF QUANTITIES. CABLE PLAN	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
\$FILEL\$			DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS		AND PHASE DESIGNATION DIAGRAM	VAR.	2013-040TS	соок	84	63
		PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		IL RTE 83 (CAL SAG ROAD) AT 76TH AVENUE			CONTRAC	T NO. f	60W85
		PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS STA. TO STA.	FED. RO	AD DIST. NO ILLINOIS FED.	AID PROJECT		



EXISTING PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



RIDGEL AND AVENUE

RIDGEL AND AV

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

SCHEDULE	OF	QUANTITIES

TRAF ELECTR	TOTAL					
TYPE	NO LAMPS	WATT		%OPERATION	WATTAGE	
SIGNAL (RED)	16	135	17	0.50	136.00	
(YELLOW)	16	135	25	0.25	100.00	
(GREEN)	16	135	15	0.25	60.00	
ARROW	16	135	12	0.10	19.20	
PED. SIGNAL		90	25	1.00		
CONTROLLER	1	100	100	1.00	100.00	
ILLUM. SIGN		84		0.05		
FLASHER		135	25	0.50		
ENERGY COSTS T	0:			TOTAL =	415.20	
201 WEST CE	PARTMENT OF ENTER COURT , ILLINOIS 6			ON		
ENERGY SUPPLY	CONTACT: XXX	XXXXX				
	PHONE: (XX)	<) XXX->	(XXX			

QUANTITY	<u>UNI T</u>	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTE
2	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
2	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
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

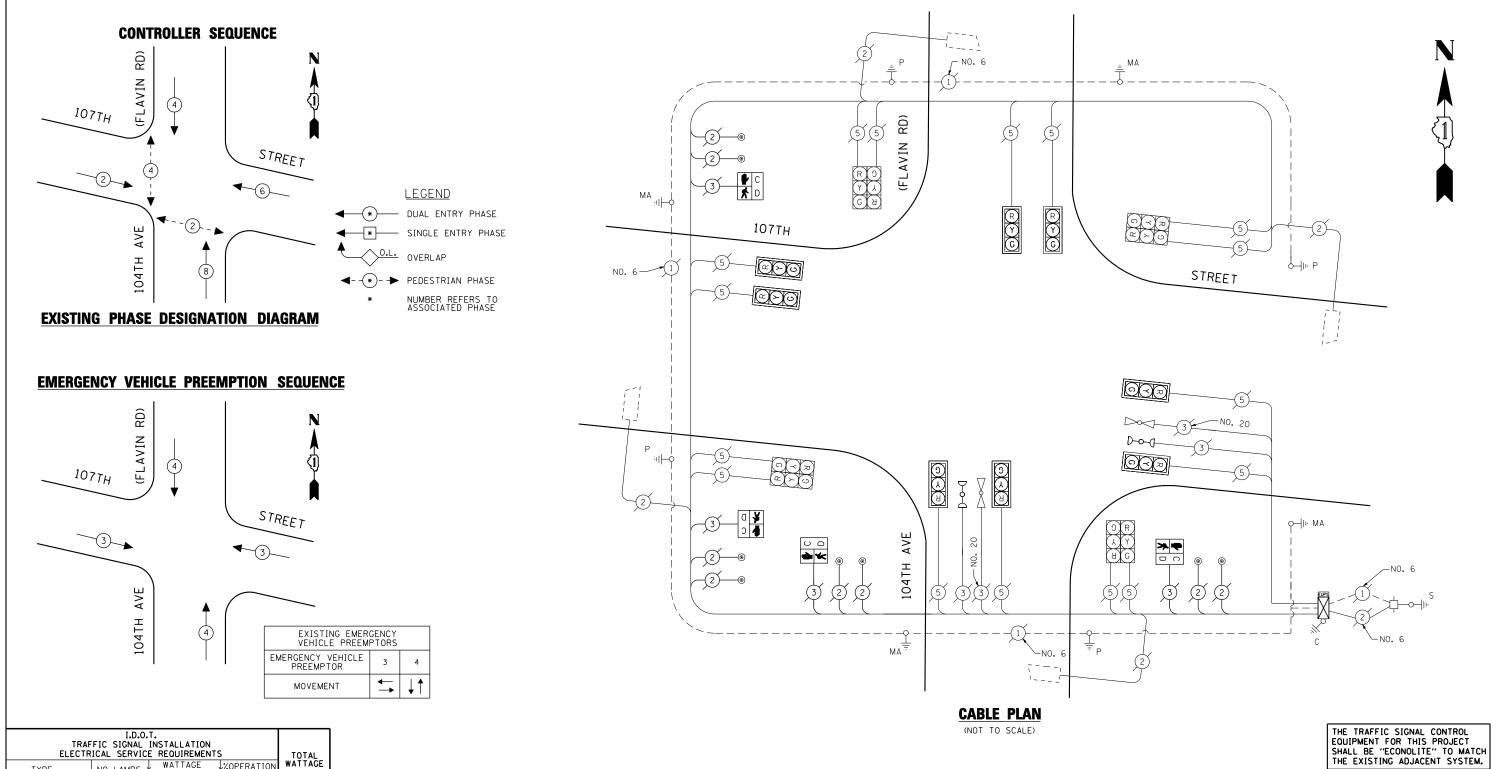
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

2	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION WITH 12" RED INDICATION SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	TRAFFIC SIGNAL BACKPLATE

TS# 3505 PALOS HEIGHTS

	COMPANY: COMMONWEALTH EDISON						PALOS HEIGHTS
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION	F.A.P. SECTION	COUNTY TOTAL SHEET
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION	VAR. 2013-040TS	COOK 84 64
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 83 (CAL-SAG RD) AT RIDGELAND AVENUE		CONTRACT NO. 60W85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO ILLINOIS FED.	AID PROJECT



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS						
TYPE	NO LAMPS	, WATT	AGE ,	%OPERATION	WATTAGE	
	NO LAWI 5 /	INCAND.	LED [*]	Î		
SIGNAL (RED)	16	135	17	0.50	136.00	
(YELLOW)	16	135	25	0.25	100.00	
(GREEN)	16	135	15	0.25	60.00	
ARROW		135	12	0.10		
PED. SIGNAL	4	90	25	1.00	100.00	
CONTROLLER	1	100	100	1.00	100.00	
ILLUM. SIGN		84		0.05		
FLASHER		135	25	0.50		
ENERGY COSTS T	0:			TOTAL =	496.00	
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096						

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

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

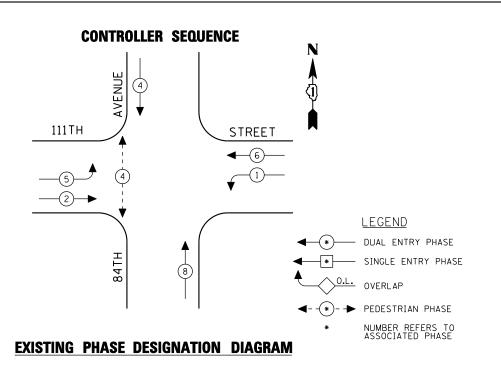
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

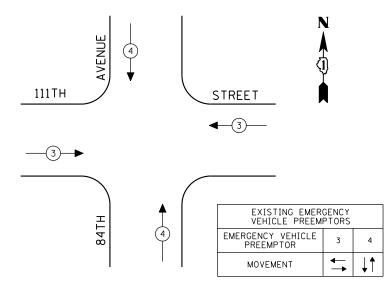
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

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

TS# 1633 PALOS HILLS

	COMPANY: COMM	ONWEALTH EDISON							PAL	LOS HILLS
FILE NAME =	ι	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION	F.A.P.	SECTION	COUNTY	TOTAL SHEET
\$FILEL\$		1	DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION	VAR.	2013-040TS	соок	84 65
	F	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	107TH STREET AT 104TH AVENUE (FLAVIN ROAD)			_	
	F	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD	DIST. NO ILLINOIS FED.		





TRAF ELECTR	TOTAL						
TYPE	NO LAMPS :	WATT	AGE ,	%OPERATION	WATTAGE		
, , , ,		INCAND.	LED ´	•			
SIGNAL (RED)	12	135	17	0.50	102.00		
(YELLOW)	12	135	25	0.25	75.00		
(GREEN)	12	135	15	0.25	45.00		
ARROW	8	135	12	0.10	9.60		
PED. SIGNAL	2	90	25	1.00	50.00		
CONTROLLER	1	100	100	1.00	100.00		
ILLUM. SIGN		84		0.05			
FLASHER		135	25	0.50			
ENERGY COSTS TO	0:			TOTAL =	381.6		
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096							
ENERGY SUPPLY (ENERGY SUPPLY CONTACT: XXX XXXXX						
PHONE: (XXX) XXX-XXXX							
(COMPANY: COM	IMONWEAL	TH EDI	SON			

SCHEDULE OF QUANTITIES

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

CABLE PLAN
(NOT TO SCALE)

AVENUE

111TH

-3 NO. 20 3

(c)(x)

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

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

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

1 TRACER CABLE

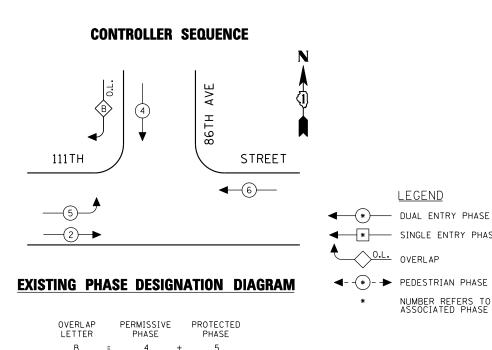
STREET

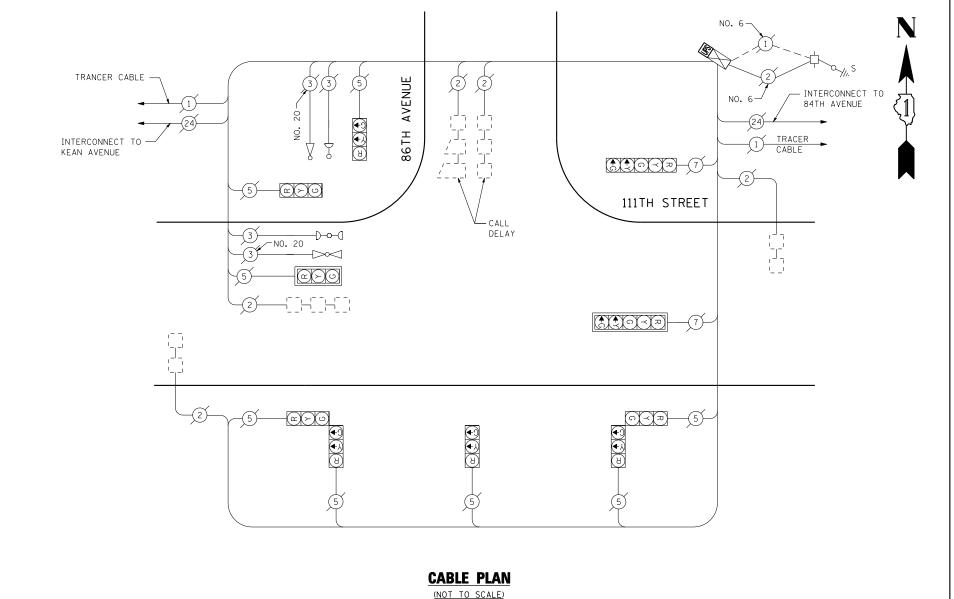
INTERCONNECT TO ROBERTS ROAD

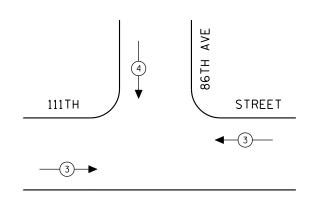
> TS# 1631 PALOS HILLS

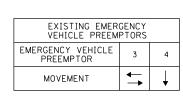
COIVII AINT. C	OWNVIOLATE THE EDISON														
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		sc	CHEDULE OF QUAI	NTITIES. C	ABLE PLA	AN. PHASE DE	SIGNATION	F.A.P.	SECTION	COUNTY	TOTAL	L SHEET
\$FILEL\$		DRAWN - EA, E	EB, WC REVISED -	STATE OF ILLINOIS	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION						VAR.	2013-040TS	СООК	84	66
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION 111TH STREET AT 84TH AVENUE					CONTRAC	T NO.	60W85			
	PLOT DATE = \$DATE\$	DATE - 8/15/	/2013 REVISED -		SCALE: N.T.S.	SHEET NO.	SHEET NO. OF SHEETS STA. TO STA.		TO STA.	FED. RO	AD DIST. NO ILLINOIS FED. A	AID PROJECT			

TRACER 1









LEGEND

— SINGLE ENTRY PHASE

NEED WORK ON WATTAGE TABLE

TRAF ELECTR	TOTAL								
TYPF	NO LAMPS :	WATT	AGE ,	%OPERATION	WATTAGE				
	INO EANI S	INCAND. LED '		Î					
SIGNAL (RED)	10	135	17	0.50	85.00				
(YELLOW)	10	135	25	0.25	62.50				
(GREEN)	10	135	15	0.25	37.50				
ARROW	4	135	12	0.10	4.80				
PED. SIGNAL		90	25	1.00					
CONTROLLER	1	100	100	1.00	100.00				
ILLUM. SIGN		84		0.05					
FLASHER		135	25	0.50					
ENERGY COSTS T	0:			TOTAL =	289.80				
201 WEST C	ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096								
ENERGY SUPPLY	CONTACT: XXX	XXXXX							

PHONE: (XXX) XXX-XXXX

SCHEDULE OF QUANTITIES

QUANTITY <u>UNIT</u>

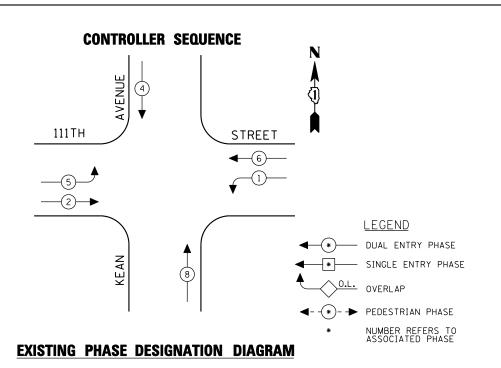
EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

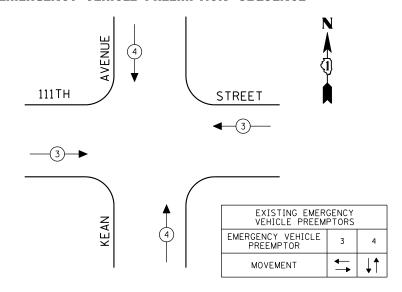
EACH MODIFY EXISTING CONTROLLER CABINET UNINTERRUPTIBLE POWER SUPPLY, SPECIAL EACH

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

TS# 3940 PALOS HILLS

COMPANY: COMMONWEALTH EDISON FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION 111TH STREET AT 86TH AVENUE COUNTY SECTION **STATE OF ILLINOIS** \$FILEL\$ DRAWN EA, EB, WC REVISED 2013-040TS COOK 84 67 VAR. CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W85 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. PLOT DATE = \$DATE\$ DATE 8/15/2013 REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT





	I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS								
TYPE	NO LAMPS :	WATT		%OPERATION	WATTAGE				
		INCAND.	LED						
SIGNAL (RED)	12	135	17	0.50	102.00				
(YELLOW)	12	135	25	0.25	75.00				
(GREEN)	12	135	15	0.25	45.00				
ARROW	8	135	12	0.10	9.60				
PED. SIGNAL		90	25	1.00					
CONTROLLER	1	100	100	1.00	100.00				
ILLUM. SIGN		84		0.05					
·									
FLASHER		135	25	0.50					
ENERGY COSTS T	0:			TOTAL =	331.60				
201 WEST CE	PARTMENT OF ENTER COURT , ILLINOIS 6			ON					
ENERGY SUPPLY	CONTACT: XXX	XXXXX							

PHONE: (XXX) XXX-XXXX

FILE NAME :

\$FILEL\$

COMPANY: COMMONWEALTH EDISON USER NAME = \$USER\$ DESIGNED - PKG REVISED DRAWN - EA, EB, WC REVISED CHECKED - PKG REVISED PLOT DATE = \$DATE\$ DATE - 8/15/2013 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

VAR. TO STA. FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

TS# 1632 PALOS HILLS COUNTY TOTAL SHEETS NO.
COOK 84 68 COUNTY CONTRACT NO. 60W85

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION 111TH STREET AT KEAN AVENUE SCALE: N.T.S. SHEET NO. OF SHEETS STA.

T -D- (1)2	
c ** - ** - ** - ** - ** - ** - ** - **	
TRACER 1 CABLE 1 NO STEEL 12/45 AND STEEL 12/45	TRACER CABLE INTERCONNECT TO 86TH AVENUE
111TH	STREET
3 NO. 20 S	
	(5)—(5)—(5)—(5)—(5)—(6)—(6)—(6)—(6)—(6)—(6)—(6)—(6)—(6)—(6
KEAN KEAN	2 5 5
CABLE	PLAN

(NOT TO SCALE)

SCHEDULE OF QUANTITIES

QUANTITY <u>UNIT</u>

÷S

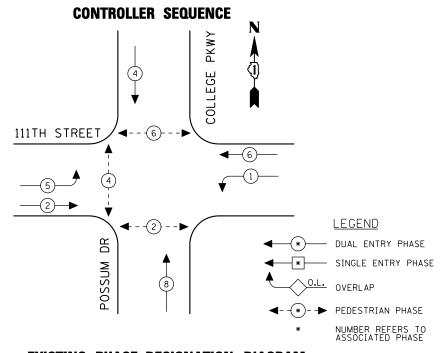
EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

EACH MODIFY EXISTING CONTROLLER CABINET UNINTERRUPTIBLE POWER SUPPLY, SPECIAL EACH

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

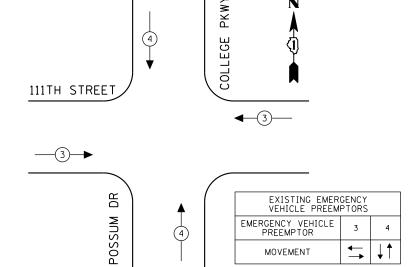
SECTION

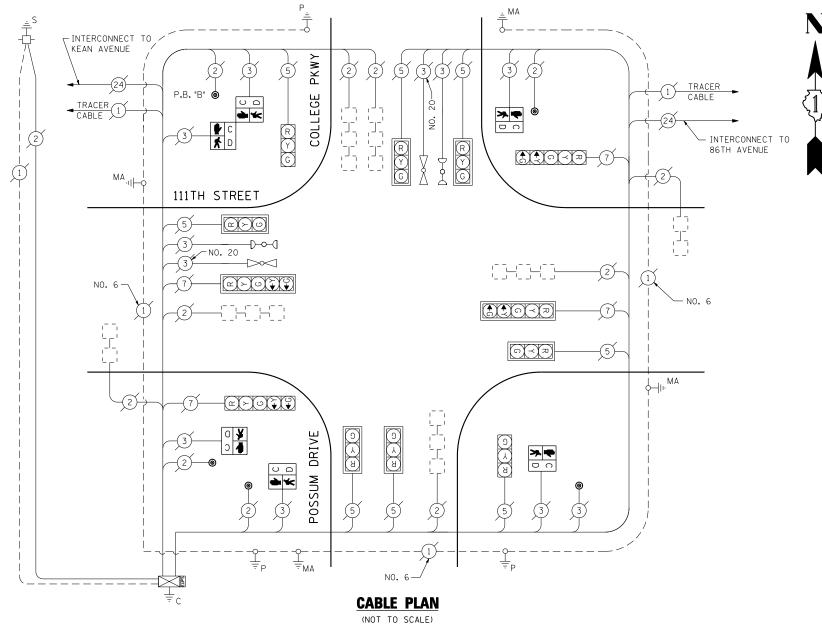
2013-040TS



EXISTING PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE





PUSH-BUTTON NOTE:

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

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS									
TYPE	NO LAMPS :	WATT INCAND.	AGE ,	%OPERATION	WATTAĞE				
SIGNAL (RED)	12	135	17	0.50	102.00				
(YELLOW)	12	135	25	0.25	75.00				
(GREEN)	12	135	15	0.25	45.00				
ARROW	8	135	12	0.10	9.60				
PED. SIGNAL	6	90	25	1.00	150.00				
CONTROLLER	1	100	100	1.00	100.00				
ILLUM. SIGN		84		0.05					
FLASHER		135	25	0.50					
ENERGY COSTS T	0:			TOTAL =	481.60				
ENERGY COSTS TO: TOTAL = L ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096									

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

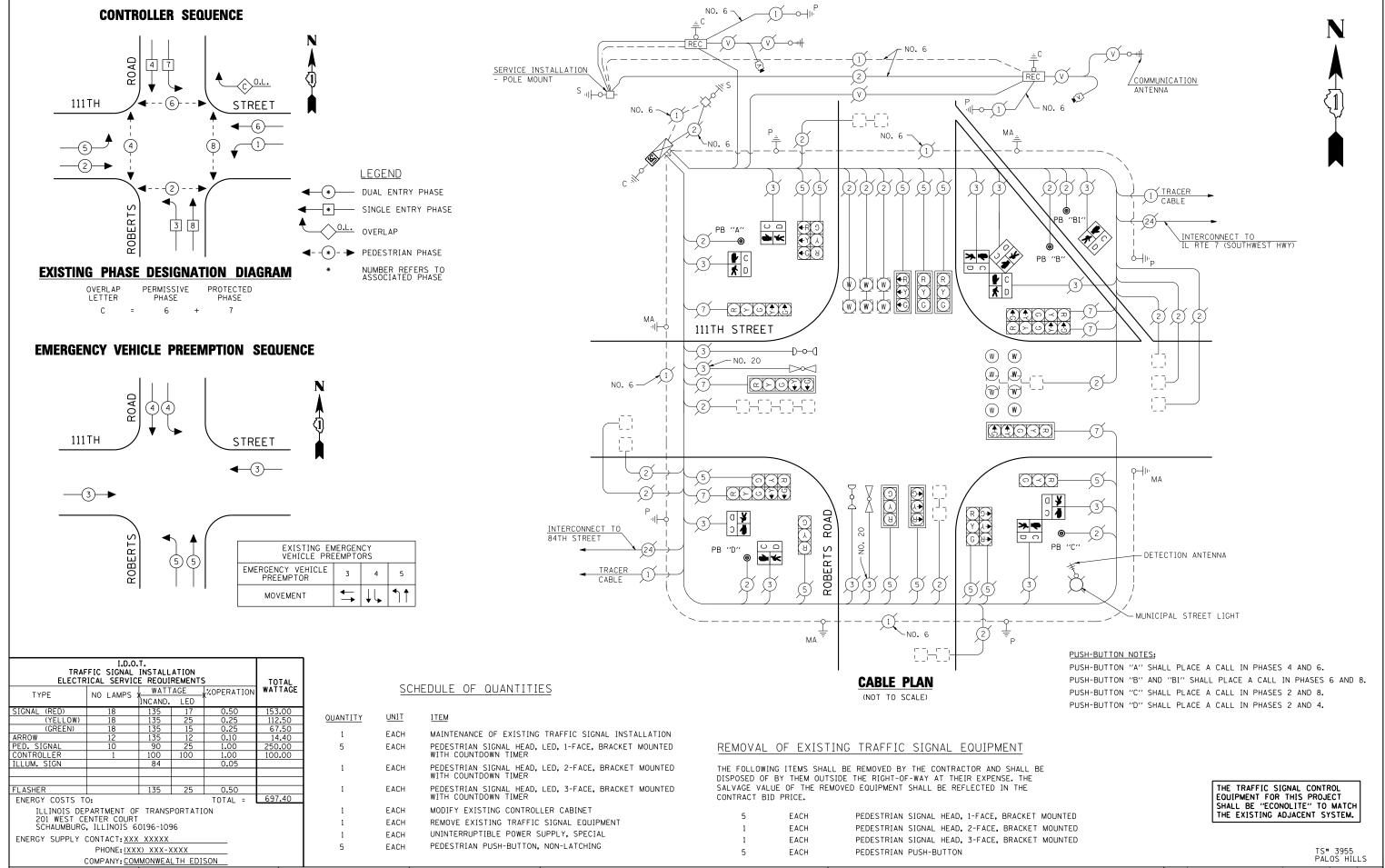
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

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

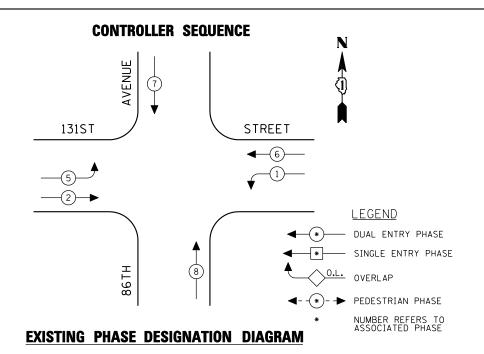
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

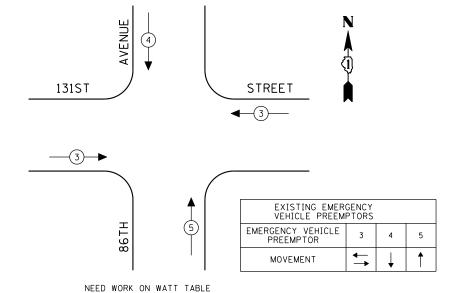
TS# 3942 PALOS HILLS

	OMPANY: COMMONWEALTH EDISON												PΑ	ALOS HĪL	LS
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		so	HEDULE OF QU	UANTITIES	S. CABLE F	PLAN, PHASE	DESIGNATION	F.A.P.	SECTION	COUNTY	TOTAL	SHEET NO.
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS		DIAGRAM					VAR.	2013-040TS	соок	84	69
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		111TH STRI	EET AT C	OLLEGE P	KWY /POSSI	UM DRIVE			CONTRAC	T NO. 6	OW85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	S STA.	TO STA.	FED. RO	DAD DIST. NO ILLINOIS FED.	AID PROJECT		



USER NAME = \$USER\$ DESIGNED -PKG REVISED FILE NAME SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION SECTION COUNTY STATE OF ILLINOIS \$FILEL\$ DRAWN EA, EB, WC REVISED DIAGRAM AND EMERGENCY VEHICLE PREEMPTION
111TH STREET AT ROBERTS AVENUE VAR. 2013-040TS COOK 84 70 CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W85 SCALE: N.T.S. SHEET NO. OF SHEETS STA. PLOT DATE = \$DATE\$ DATE 8/15/2013 REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT





I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS									
TYPF	NO LAMPS :	WATT	AGE	%OPERATION	WATTAGE				
	NO LAMI 3	INCAND.	LED	1					
SIGNAL (RED)	12		17	0.50	102.00				
(YELLOW)	12		25	0.25	75.00				
(GREEN)	16		15	0.25	60.00				
ARROW	8		12	0.10	9.60				
PED. SIGNAL			25	1.00					
CONTROLLER	1		100	1.00	100.00				
ILLUM. SIGN				0.05					
VEH. DETECTION	6		5	1.00	30.00				
FLASHER				0.50					
ENERGY COSTS T	0.			TOTAL -	376,60				

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

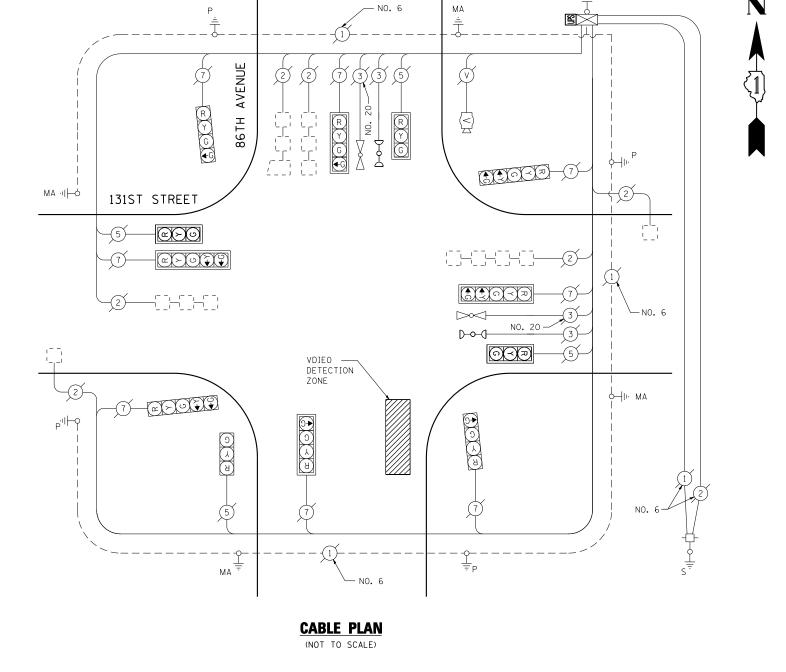
ENERGY SUPPLY CONTACT: XXX XXXXX

FILE NAME

\$FILEL\$

PHONE: (XXX) XXX-XXXX

COMPANY: COMMONWEALTH EDISON



SCHEDULE OF QUANTITIES

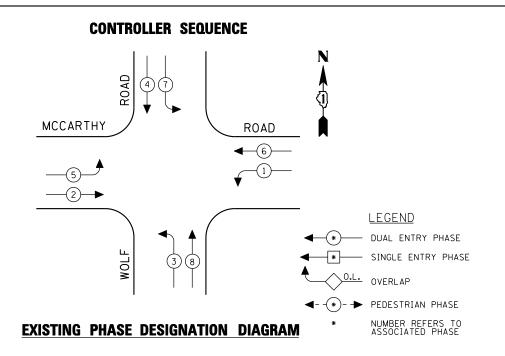
QUANTITY UNIT ITEM

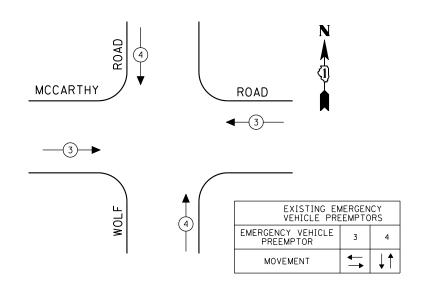
1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1 EACH MODIFY EXISTING CONTROLLER CABINET
1 EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

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

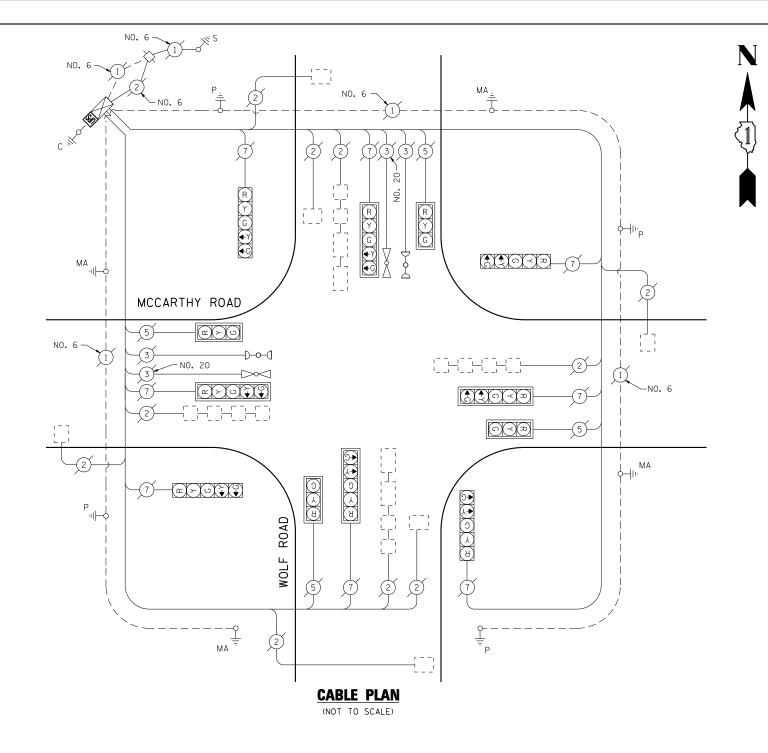
TS# 1913 PALOS HILLS/PALOS TWP

OTATE OF HARMON	SCH					DESIGNATION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				RGENCY VI			VAR.	2013-040TS	COOK	84	71
									CONTRACT	NO. 6	OW85
	SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. RO	DAD DIST. NO ILLINOIS FED. A	ID PROJECT		





	I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS									
TYPE	NO LAMPS :	WATT	AGE ,	%OPERATION	WATTAGE					
1 '''-	INO EANI S	INCAND.	LED [*]							
SIGNAL (RED)	12	135	17	0.50	102.00					
(YELLOW)	12	135	25	0.25	75.00					
(GREEN)	12	135	15	0.25	45.00					
ARROW	16	135	12	0.10	19.20					
PED. SIGNAL		90	25	1.00						
CONTROLLER	1	100	100	1.00	100.00					
ILLUM. SIGN		84		0.05						
FLASHER		135	25	0.50						
ENERGY COSTS T	0:			TOTAL =	341.20					
201 WEST CE	ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096									
ENERGY SUPPLY	CONTACT: XXX	XXXXX								
	PHONE: (XX)		XXX							
1	COMPANY: COM			SON						



SCHEDULE OF QUANTITIES

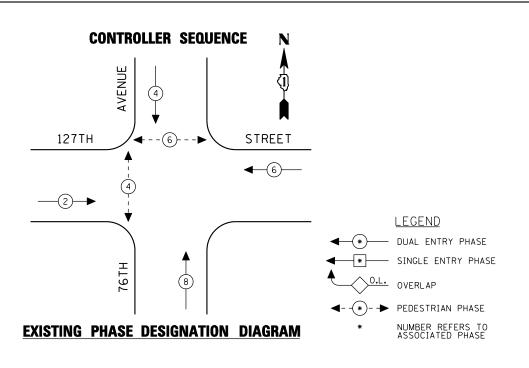
OUANTITY UNIT ITEM

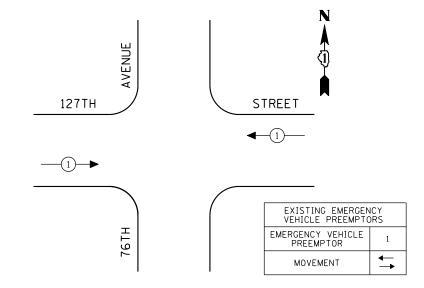
1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1 EACH MODIFY EXISTING CONTROLLER CABINET
1 EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

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

TS# 1011 PALOS PARK

	COMPANY: COMMONWEALTH EDISON							FAL	LU3 FAF	VIX.
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION	VAR.	2013-040TS	соок	84	72
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	MCCARTHY ROAD AT WOLF ROAD			CONTRACT	T NO. E	50W85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. RO	AD DIST, NO. ILLINOIS FEE	D. AID PROJECT		





TRAF ELECTF	TOTAL						
TYPE	NO LAMPS :	WATT		%OPERATION	WATTAGE		
		ÎNCAND. LED Î					
SIGNAL (RED)	12	135	17	0.50	102.00		
(YELLOW)	12	135	25	0.25	75.00		
(GREEN)	12	135	15	0.25	45.00		
ARROW		135	12	0.10			
PED. SIGNAL	4	90	25	1.00	100.00		
CONTROLLER	1	100	100	1.00	100.00		
ILLUM. SIGN		84		0.05			
FLASHER		135	25	0.50			
ENERGY COSTS T	0:			TOTAL =	422.00		
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096							
ENERGY SUPPLY	ENERGY SUPPLY CONTACT: XXX XXXXX						

PHONE: (XXX) XXX-XXXX

SCHEDULE OF QUANTITIES

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

≯₹ 127TH STREET (c)(x)(o) (O)3(3) 76TH **CABLE PLAN** (NOT TO SCALE)

PUSH-BUTTON NOTE:

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

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

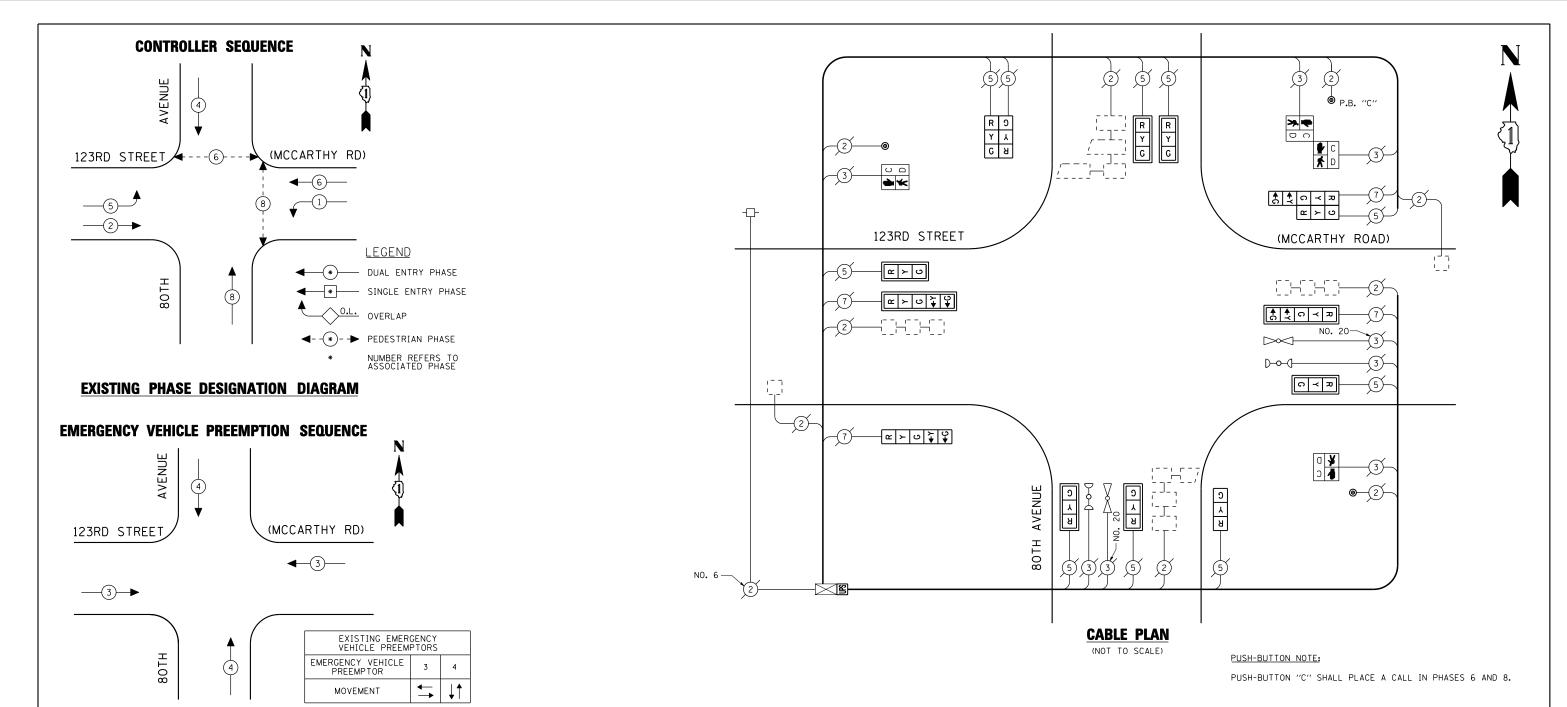
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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, 1-FACE, BRACKET MOUNTED EACH EACH PEDESTRIAN PUSH-BUTTON

TS# 3975 PALOS PARK

	COMPANY: COMMONWEALTH EDISON													PÃ	ALOS P	ÁRK
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		so	HEDULE OF QU	JANTITIES	. CABLE	PLAN, F	PHASE DESIGN	NATION	F.A.P.	SECTION	COUNTY	TOTA	L SHEET
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS						LE PREEMPTIC	ON	VAR.	2013-040TS	соок	84	73
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		12	27TH STR	EET AT 7	76TH A	VENUE				CONTRAC	CT NO.	60W85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEET	rs si	ΓΑ.	TO STA.	FED. ROA	D DIST. NO ILLINOIS FED.	AID PROJECT		



SCHEDULE OF QUANTITIES

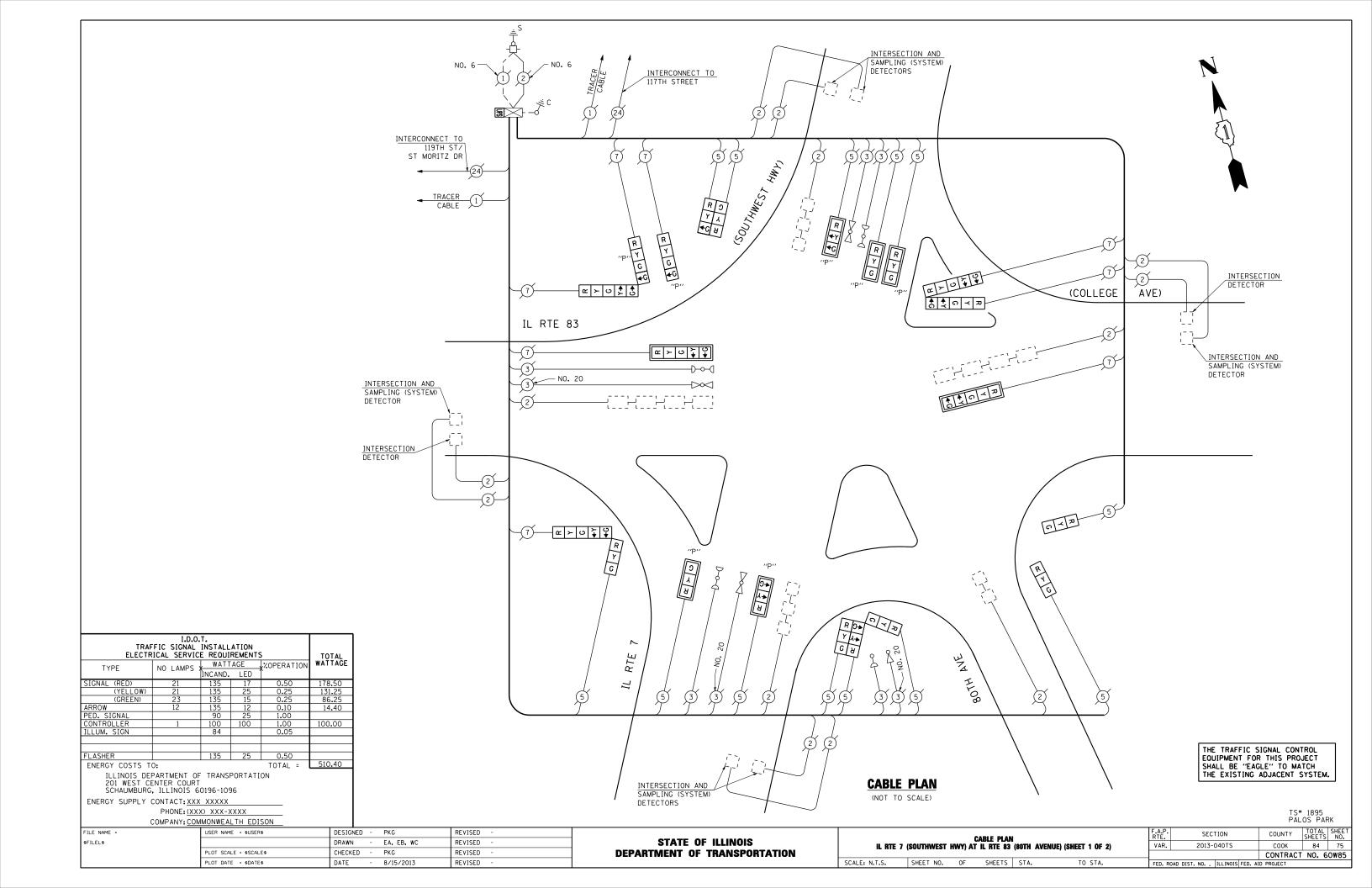
1007	<u>QUANTITY</u>	<u>UNIT</u>	<u>ITEM</u>	REMOV	/ΔI OF FXI	STING TRAFFIC SIGNAL EQUIPMENT
I.D.O.T. TRAFFIC SIGNAL INSTALLATION	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	INC. V	AL OI LAI	STING THAIT IS STONAL EQUIT MENT
ELECTRICAL SERVICE REQUIREMENTS TOTAL	6	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	THE FOLL	LOWING ITEMS S	SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE
TYPE NO LAMPS * WATTAGE **:OPERATION WATTAGE	1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED			DUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE, THE
INCAND. LED	1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED			REMOVED EQUIPMENT SHALL BE REFLECTED IN THE
SIGNAL (RED) 14 135 17 0.50 119.00	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	CONTRAC	T BID PRICE.	
(GREEN) 14 135 15 0.25 52.50	1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED			
ARROW 8 135 12 0.10 9.60	1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION,	6	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
PED. SIGNAL 4 90 25 1.00 100.00 CONTROLLER 1 100 100 1.00 100.00			BRACKET MOUNTED	1	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
CONTROLLER 1 100 100 1.00 100.00 ILLUM. SIGN 84 0.05	2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	1	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED
TEESING STON			WITH COUNTDOWN TIMER	2	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
FLASHER 135 25 0.50	1	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	1	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED
ENERGY COSTS TO: TOTAL = 468.60	8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT	1	EACH	MODIFY EXISTING CONTROLLER CABINET	2	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED
SCHAUMBURG, ILLINOIS 60196-1096	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	1	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED
ENERGY SUPPLY CONTACT: XXX XXXXX	1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	8	EACH	TRAFFIC SIGNAL BACKPLATE
PHONE: (XXX) XXX-XXXX	3	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING	3	EACH	PEDESTRIAN PUSH-BUTTON
COMPANY: COMMONWEALTH EDISON						Isaa

TS# 1899 PALOS PARK

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

COUNTY TOTAL SHEET NO.

COOK 84 74 FILE NAME : USER NAME = \$USER\$ DESIGNED - PKG REVISED SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM 80TH AVENUE AT 123RD STREET (MCCARTHY ROAD) SECTION COUNTY STATE OF ILLINOIS \$FILEL\$ DRAWN - EA, EB, WC REVISED 2013-040TS VAR. CHECKED PKG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60W85 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. PLOT DATE = \$DATE\$ DATE - 8/15/2013 REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT



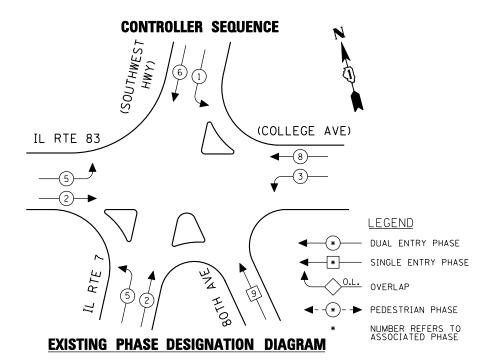
SCHEDULE OF QUANTITIES

QUANTITY	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 5-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, 3-SECTION, BRACKET MOUNTED
5	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED
1	EACH	COMBINATION SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION OPTICALLY PROGRAMMED, 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
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

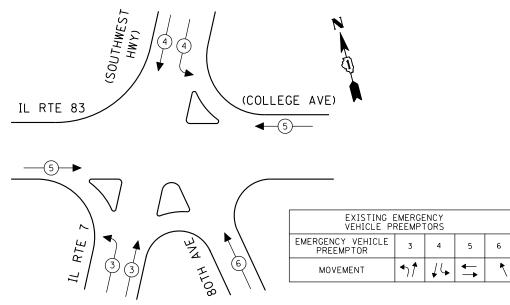
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

2	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION WITH 12" RED INDICATION SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 1-3 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 3-FACE, 3-SECTION, BRACKET MOUNTED
5	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
1	EACH	COMBINATION SIGNAL HEAD, 2-FACE, 1-4 SECTION OPTICALLY PROGRAMMED, 1-5 SECTION, BRACKET MOUNTED
7	EACH	TRAFFIC SIGNAL BACKPLATE



EMERGENCY VEHICLE PREEMPTION SEQUENCE

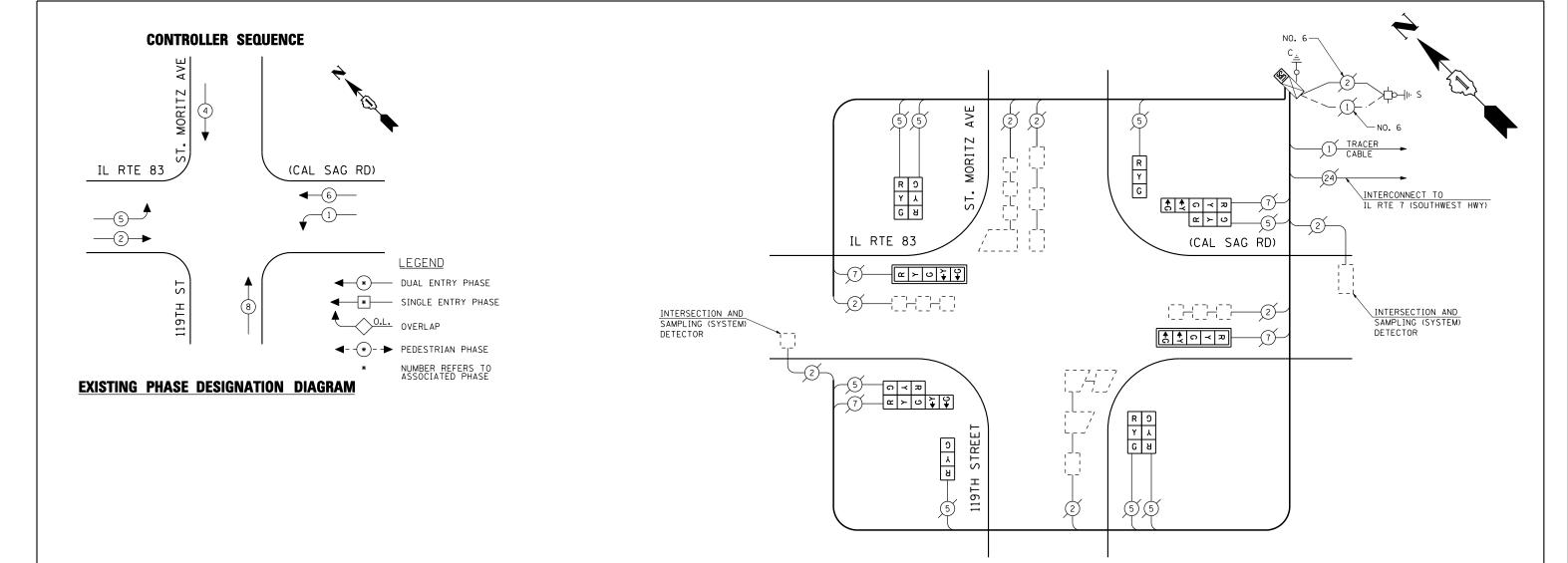


EXISTING PHASE DESIGNATION DIAGRAM

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

TS# 1895 PALOS PARK

FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		SCHEDULE OF QUANTITIE, PHASE DESIGNATION	F.A.P. SECTION	COUNTY TOTAL SHEET
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION	VAR. 2013-040TS	COOK 84 76
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 7 (SOUTHWEST HWY) AT IL RTE 83 (80TH AVENUE) (SHEET 2 OF 2)		CONTRACT NO. 60W85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO ILLINOIS	FED. AID PROJECT



SCHEDULE OF QUANTITIES

TRAI ELECTF	TOTAL					
TYPF	NO LAMPS	WATT	AGE	%OPERATION	WATTAGE	
111.	INO LAWI S	INCAND. LED		Î		
SIGNAL (RED)	12	135	17	0.50	102.00	
(YELLOW)	12	135	25	0.25	75.00	
(GREEN)	12	135	15	0.25	45.00	
ARROW	8	135	12	0.10	9.60	
PED. SIGNAL		90	25	1.00		
CONTROLLER	1	100	100	1.00	100.00	
ILLUM. SIGN		84		0.05		
FLASHER		135	25	0.50		
ENERGY COSTS T	0:			TOTAL =	331.6	
201 WEST C	PARTMENT OF ENTER COURT , ILLINOIS 6			ON		
ENERGY SUPPLY CONTACT: XXX XXXXX						

PHONE: (XXX) XXX-XXXX

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

CABLE PLAN
(NOT TO SCALE)

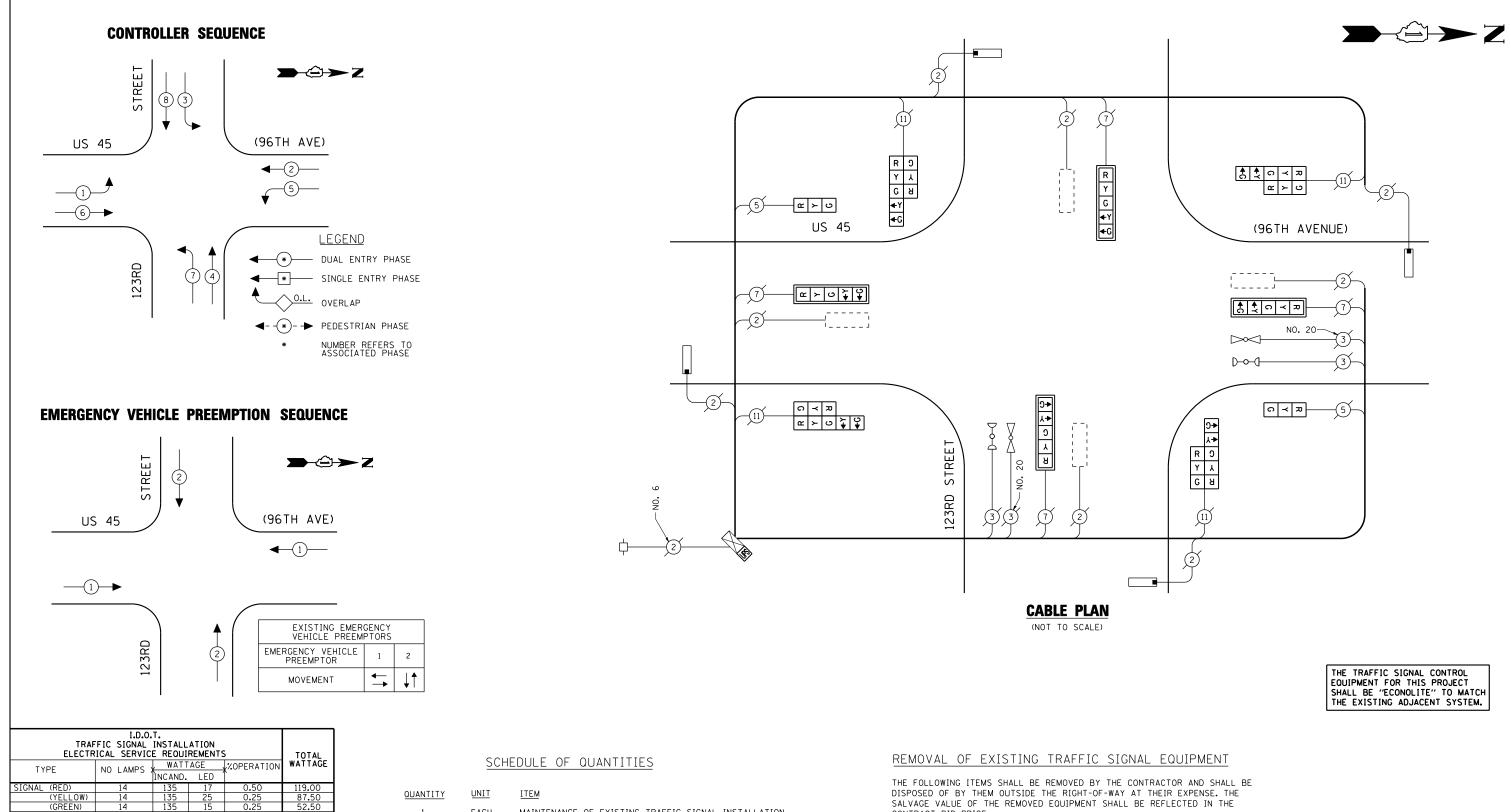
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

2	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" RED INDICATION SECTION, 1-5 SECTION, BRACKET MOUNTED
2	EACH	TRAFFIC SIGNAL BACKPLATE

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

TS# 3530 PALOS PARK

	COMPANY: COMMONWEALTH EDISON							PAI	LOS PARK
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN	F.A.P.	SECTION	COUNTY	TOTAL SHEET
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	AND PHASE DESIGNATION DIAGRAM	VAR.	2013-040TS	соок	84 77
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 83 (CAL SAG ROAD) AT 119th STREET / ST. MORITZ AVENUE			CONTRAC	T NO. 60W85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD	DIST. NO ILLINOIS FED. A	AID PROJECT	



MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED EACH SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, EACH BRACKET MOUNTED TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM EACH MODIFY EXISTING CONTROLLER CABINET EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL

PED. SIGNAL CONTROLLER ILLUM. SIGN

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION

PHONE: (XXX) XXX-XXXX

201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: XXX XXXXX

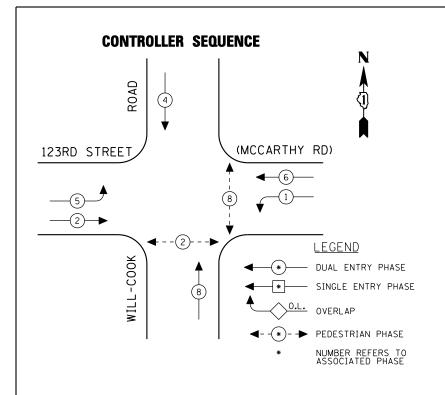
TOTAL =

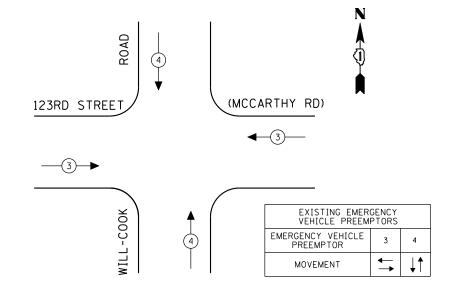
CONTRACT BID PRICE.

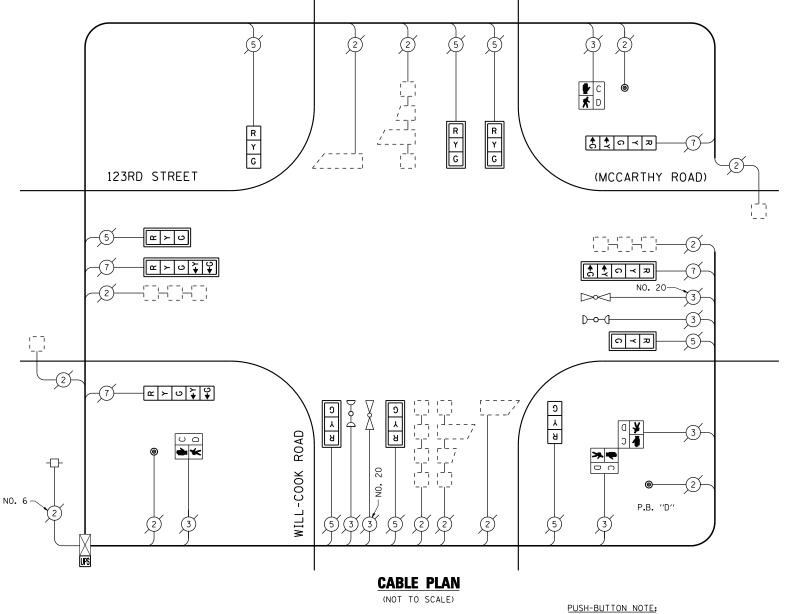
4	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION WITH 12" RED INDICATION SECTION, BRACKET MOUNTED
3	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION WITH 12" READ INDICATION SECTION, 1-5 SECTION, BRACKET MOUNTED
4	EACH	TRAFFIC SIGNAL BACKPLATE

TS# 1690 PALOS PARK

	COMPANY: COMMONWEALTH EDISON											PA	LOS PAF	₹K
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		sc	CHEDULE OF QUANTITIE	ES. CABLE F	PLAN. PHASE DI	ESIGNATION	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS		DIAGRAM AND E	MERGENCY	VEHICLE PREE	MPTION	VAR.	2013-040TS	соок	84	78
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		US 45 (96TH	AVENUE) A	T 123RD STRE	ET			CONTRAC	T NO. 6	OW85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO. OF	SHEET:	S STA.	TO STA.	FED. ROA	D DIST. NO ILLINOIS FE	. AID PROJECT		







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

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

SCHEDULE OF QUANTITIES

	I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS											
TYPE	NO LAMPS :	WATT		%OPERATION	WATTAGE							
		INCAND.	LED									
SIGNAL (RED)	12	135	17	0.50	102.00							
(YELLOW)	12 12	135 135	25 15	0.25 0.25	75.00							
(GREEN)	45.00											
ARROW	9.60											
PED. SIGNAL	100.00											
CONTROLLER	CONTROLLER 1 100 100 1.00											
ILLUM. SIGN	0.05											
FLASHER		135	25	0.50								
ENERGY COSTS T	0:			TOTAL =	431.60							
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096												
ENERGY SUPPLY (CONTACT: XXX	XXXXX										
	PHONE: (XX)	x) XXX-X	XXX									
	COMPANY: COM	MONWEA	LTH EDI	SON								

QUANTITY	UNII	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
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
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
1	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
3	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

EACH

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

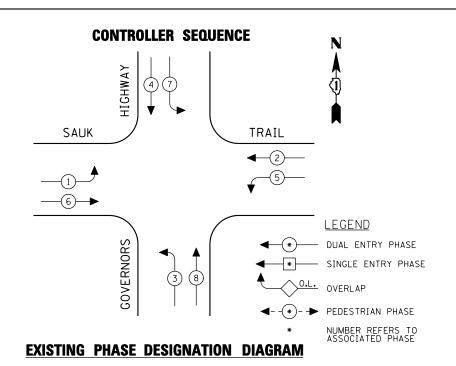
PEDESTRIAN PUSH-BUTTON

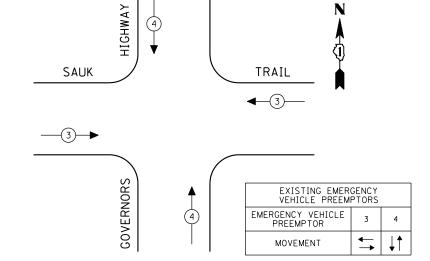
TS# 1007 PALOS TOWNSHIP COUNTY TOTAL SHEET NO. COOK 84 79

FILE NAME USER NAME = \$USER\$ DESIGNED - PKG REVISED \$FILEL\$ DRAWN EA, EB, WC REVISED CHECKED PKG REVISED PLOT DATE = \$DATE\$ DATE - 8/15/2013 REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHI					DESIGNATION	F.A.P. RTE.	SECTION	COUNTY TOTAL SI				
	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION 123RD STREET (MCCARTHY ROAD) AT WILL-COOK ROAD							COOK	84	79		
	ZJND SINEEI	(INICCA	MINT NUAU)			CONTRACT	NO. 6	OW85				
SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. RO	DAD DIST, NO. ILLINOIS FED. AL	D PROJECT				





	I.D.O. FIC SIGNAL ICAL SERVIC	INSTALL		5	TOTAL
TYPE	NO LAMPS :	WATT INCAND.	AGE ,	%OPERATION	WATTAGE
SIGNAL (RED)	16	135	17	0.50	136.00
(YELLOW)	16	135	25	0.25	100.00
(GREEN)	16	135	15	0.25	60.00
ARROW	20	135	12	0.10	24.00
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER		135	25	0.50	
ENERGY COSTS T	0:			TOTAL =	420.00
201 WEST CE	PARTMENT OF ENTER COURT , ILLINOIS 6			ON	
ENERGY SUPPLY	CONTACT: XXX	XXXXX			

PHONE: (XXX) XXX-XXXX

INTERCONNECT TO — KARLOV AVENUE HIGHWAY No. 200 INTERCONNECT TO RICHTON ROAD ма∵п⊢ф SAUK TRAIL - VIDEO DETECTION ZONE #7 - VIDEO DETECTION ZONE #4 NO. 6 NO. 6 NO. 20- $D \rightarrow U$ 032 — CALLING LOOPS R S G GOVERNORS ÷ΜΑ **CABLE PLAN** (NOT TO SCALE)

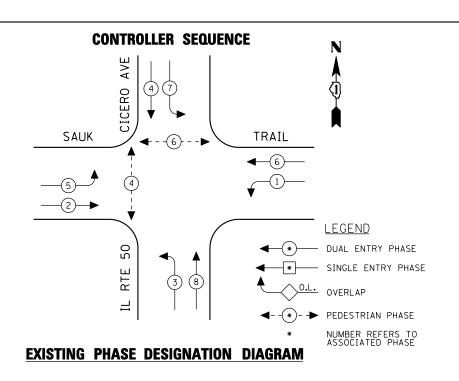
SCHEDULE OF QUANTITIES

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

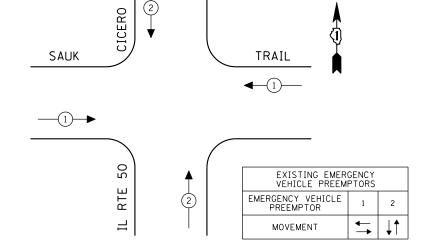
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS# 5190 RICHTON PARK

	COMPANY: COMMONWEALTH EDISON												ŔĬ	CHTON	PARK
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		s	CHEDULE OF Q	UANTITIE	S. CABLE	E PLAN, PH	ASE DESIGNATION	F.A.P.	SECTION	COUNTY	TOTA	AL SHEET
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION GOVERNORS HWY AT SAUK TRAIL SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	VAR.	2013-040TS	соок	84	80					
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		G	OVERNOR	S HWY	AT SAUK	TRAIL			CONTRAC	CT NO.	60W85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEE	ETS STA	. TO STA	FED. ROA	D DIST. NO ILLINOIS FE	D. AID PROJECT		



AVE



P (2)	MA _≜
	b
P.B. "B" P.B. "	TRACER CABLE INTERCONNECT TO LATONIA LANE
SAUK TRAIL	(x)>(5) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
NO. 6	SAMPLING (SYSTEM) DETECTORS
(C), (2) [] [] [] (2) (3	NO. 20 3 D-0-0 3
INTERCONNECT TO AMY DRIVE 24 OFFICE STATES OF THE STA	R 9
TRACER 1 5 3 3 7 2 2	G U 5 7
—————————————————————————————————————	2 = P C MS
PUSH-BUTTON NOTES: PUSH-BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6. CABLE PLAN (NOT TO SCALE)	S = S

TRAF ELECTR	TOTAL				
TYPE	NO LAMPS)	WATT INCAND.	AGE ,	%OPERATION	WATTAGE
SIGNAL (RED)	16	135	17	0.50	136.00
(YELLOW)	16	135	25	0.25	100.00
(GREEN)	16	135	15	0.25	60.00
ARROW	16	135	12	0.10	19.20
PED. SIGNAL	4	90	25	1.00	100.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER		135	25	0.50	
ENERGY COSTS T	0:			TOTAL =	515.20
201 WEST CE	PARTMENT OF ENTER COURT , ILLINOIS 6			ON	

PHONE: (XXX) XXX-XXXX

ENERGY SUPPLY CONTACT: XXX XXXXX

SCHEDULE OF QUANTITIES

QUANTITY	<u>UNIT</u>	ITEM
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	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
3	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

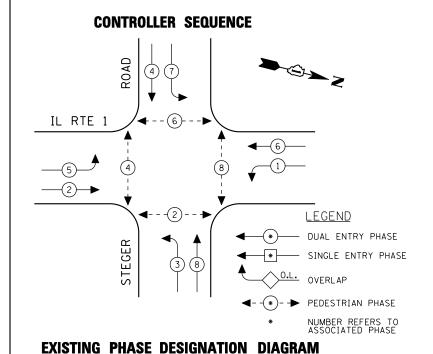
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

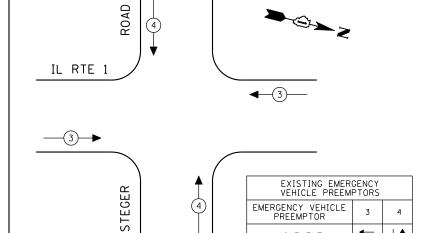
2	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED
1	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED
3	EACH	PEDESTRIAN PUSH-BUTTON

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

TS# 2615 RICHTON PARK

	COMPANT: COMMONWEALTH EDISON														
FILE NAME =	USER NAME = \$USER\$	DESIGNED - PKG	REVISED -		so	CHEDULE OF QUAN	NTITIES. CA	ABLE PL/	AN. PHASE DESIG	GNATION	F.A.P.	SECTION	COUNTY	TOTAL	L SHEET
\$FILEL\$		DRAWN - EA, EB, WC	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION IL RTE 50 (CICERO AVENUE) AT SAUK TRAIL SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	TION	VAR.	2013-040TS	СООК	84	81				
	PLOT SCALE = \$SCALE\$	CHECKED - PKG	REVISED -	DEPARTMENT OF TRANSPORTATION		IL RTE 50	(CICERO	AVENUE)	AT SAUK TRAII	L			CONTRAC	CT NO. 6	60W85
	PLOT DATE = \$DATE\$	DATE - 8/15/2013	REVISED -		SCALE: N.T.S.	SHEET NO.	OF S	SHEETS	STA.	TO STA.	FED. RO	AD DIST. NO ILLINOIS FED.	AID PROJECT		





	TDAE						
	TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS						
	TYPE	NO LAMPS	, WATT	AGE ,	%OPERATION	WATTAGE	
			INCAND.	LED	`		
	SIGNAL (RED)	12		17	0.50	102.00	
	(YELLOW)	12		25	0.25	75.00	
	(GREEN)	12		15	0.25	45.00	
	ARROW	16		12	0.10	19.20	
	PED. SIGNAL	8		25	1.00	200.00	
	CONTROLLER	1		100	1.00	100.00	
	ILLUM. SIGN				0.05		
	FLASHER			25	0.50		
	ENERGY COSTS T	0:			TOTAL =	541.20	
	ILLINOIS DEPARTMENT OF TRANSPORTATION						
	201 WEST CENTER COURT						
	SCHAUMBURG, ILLINOIS 60196-1096 ENERGY SUPPLY CONTACT:XXX XXXXX						
		PHONE: (XXX) XXX-XXXX					
	COMPANY: COMMONWEALTH EDISON						

SCHEDULE OF QUANTITIES

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

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

PUSH-BUTTON NOTES:

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.

CONTRACT	DID FRICE.	
4	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED
٥	EVCH	TRAFFIC SIGNAL RACKRIATE

PEDESTRIAN PUSH BUTTON

TS# 1865 STEGER

FILE NAME USER NAME = \$USER\$ DESIGNED -PKG REVISED \$FILEL\$ DRAWN EA, EB, WC REVISED CHECKED PKG REVISED PLOT DATE = \$DATE\$ DATE 8/15/2013 REVISED

MOVEMENT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

P.B. "B

IL RTE 1

~ > o \ \

G Y R

CABLE PLAN

(NOT TO SCALE)

MA.

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION						F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ı	DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE						VAR.	2013-040TS	COOK	84	82
ı	IL RTE 1 AT STEGER ROAD								CONTRACT	NO. 6	OW85
	SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. RO	FED. ROAD DIST. NO ILLINOIS FED. AID PROJECT			

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

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

MA

↑ ↑ 0 ≺ **2**

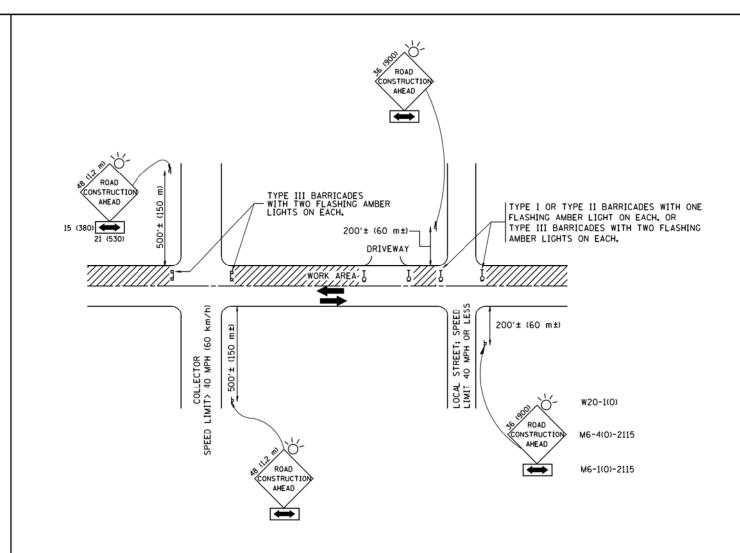
₹ 0 ≺ ₽

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.

NO. 20-

P.B. "D"

THE EXISTING ADJACENT SYST



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- O) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- d) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1,2 m x 1,2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

SCALE: NONE

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

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

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

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

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

STATE	E OF	ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR	F.A.P. RTE.	SECTION		
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	VAR.	VAR. 2013-040T		
	_	TC-10)	
SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. R	OAD DIST. NO. 1	ILLIN	

