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STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

**DIVISION OF HIGHWAYS** 

FOR INDEX OF SHEETS, SEE SHEET NO. 2

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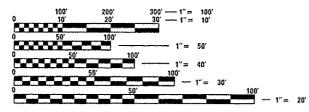
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# PROPOSED HIGHWAY PLANS

VARIOUS LOCATIONS IN NORTH COOK COUNTY
CONTRACT NO. 7
SECTION: 2014-008TS
LIGHT EMITTING DIODE (LED) INSTALLATION
COOK COUNTY

C-91-223-14

THE PROJECT IS LOCATED IN
THE VILLAGE OF ELK GROVE VILLAGE,
SCHAUMBURG, STREAMWOOD, HANOVER
PARK AND THE CITY OF ELGIN IN
COOK COUNTY.



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

PROJECT ENGINEER: IOVAN PLASCENCIA /LUKASZ POCIECHA PROJECT MANAGER: SUDUD MAHMOUD (847) 708-4420

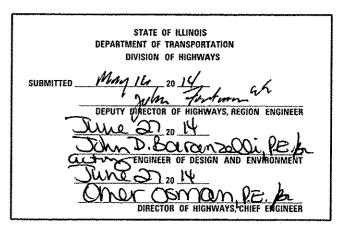
CONTRACT NO. 60X83



FOR LOCATION MAP SEE SHEETS NO. 3-7

ELK GROVE, HANOVER, SCHAUMBURG AND PALATINE TOWNSHIP D-91--223--14





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OF THE STATE OF ILLINOIS

#### **INDEX OF SHEETS**

**DESCRIPTION** 

COVER SHEET

SHT NO.

2 3-7 8-12 13-19		INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES LOCATION MAP SUMMARY OF DUANTITIES DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05)
SHT_NO.	TS NO.	INTERSECTION NAME
20	503	US RTE 20 (LAKE ST) AT LAMBERT LN
21	13440	IL RTE 19 (CHICAGO ST) AT WILLARD AVE
22	742	IL RTE 19 (CHICAGO ST) AT POPLAR CREEK DR IL RTE 19 (CHICAGO ST) AT SHALES PKWY
23 24	741 743	IL RTE 19 (CHICAGO ST) AT SHALES FRAT
25	13285	IL RTE 58 (SUMMIT) AT HIAWATHA DR
26	13286	IL RTE 58 (SUMMIT) AT WAVERLY DR
27	2938	ARLINGTON HEIGHTS RO AT 1-90 NORTH RAMP A
28.	2939	ARLINGTON HEIGHTS RD AT I-90 SOUTH RAMP G
29	11320 20610	ARLINGTON HEIGHTS RD AT NORTHWEST POINT RD BIESTERFIELD RD AT I-290 EISENHOWER EXPY EAST RAMP A
30 31	21145	ELMHURST RD AT GREENLEAF AVE
32	21150	ELMHURST RO AT PRATT BLVD
33	5080	ELMHURST RD AT DEVON AVE
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39	3215	IL RTE 72 (HIGGINS RD) AT LANDMEIER RD
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41 42	3460 3410	IL RTE 83 (BUSSE RD) AT LANDMEIER RD IL RTE 83 (BUSSE RD) AT DEVON AVE
43	21285	BARRINGTON RD AT RAMBLEWOOD DR
44	7860	BARRINGTON RD AT TOWER DR
45	21450	IL RTE 19 (IRVING PARK RD) AT OLDE SALEM RD
46	20575	US RTE 20 (LAKE ST) AT WALNUT AVE US RTE 20 (LAKE ST) AT CENTER AVE
47 48	13762 13760	US RTE 20 (LAKE ST) AT CHURCH ST / METRA COMMUTER LOT
49	13765	US RTE 20 (LAKE ST) AT BARRINGTON RD / COUNTY FARM RD
50	4165	BARRINGTON RO AT BOURBON PKWY / WEATHERSFIELD WAY
51	1975	IL RTE 19 (IRVING PARK RO) AT WISE RO / GEORGETOWN AVE
52 53	1976 1965	IL RTE 19 (IRVING PARK RD) AT MERCURY DR IL RTE 19 (IRVING PARK RD) AT SPRINGINSGUTH RD
54	7635	IL RTE 19 (IRVING PARK RD) AT RODENBURG RD
55	7637	IL RTE 19 (IRVING PARK RD) AT WRIGHT BLVD
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57	2710	IL RTE 58 (GOLF RD) AT IL RTE 72 (HIGGINS RD) IL RTE 58 (GOLF RD) AT HIGHLAND BLVD
58 59	2790 2880	IL RTE 58 (GOLF RD) AT VALLEY LAKE DR
60	2840	IL RTE 58 (GOLF RD) AT ROSELLE RD
61	21237	IL RTE 58 (COLF RD) AT WILKENING RD
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63 64	2830 21290	IL RTE 58 (GOLF RD) AT PLUM GROVE RD IL RTE 58 (GOLF RD) AT NATIONAL PKWY
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71	14755	IL RTE 62 (ALGONOUIN RD) AT MOTOROLA EAST DR
72	14765	IL RTE 62 (ALCONOUIN RD) AT THORNTREE LN / THOREAU DR
73	3255	IL RTE 72 (HIGGINS RD) AT JONES RD / SALEM DR
74	3245	IL RTE 72 (HIGGINS RD) AT PLUM GROVE RD IL RTE 72 (HIGGINS RD) AT NATIONAL PKWY
75 76	21955 3230	IL RTE 72 (HIGGINS RD) AT MEACHAM RD
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78	744	IL RTE 19 (IRVING PARK RD) AT SCHAUMBURG RD
79	1932	IL RTE 19 (IRVING PARK RD) AT MADISON DR
80	2910	IL RTE 59 (SUTTON RD) AT SCHAUMBURG RD IL RTE 59 (SUTTON RD) AT GULF KEYS RD
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#### HIGHWAY STANDARDS

STD. NO.	TITLE
701006-05	OFF-ROAD OPERATIONS, 2L. 2W. 1544.5 M) TO 244600 MM FROM PAVEMENT EDGE
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15"(4.5 M) TO 24"(600 MM) FROM PAVEMENT EDGE
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-03	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

#### **RLR NOTES**

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

RLR CAMERA LOCATION:

13150 IL RTE 53 (ROHLWING RD) AT BIESTERFIELD RD
3215 IL RTE 72 (HIGGINS RD) AT LANDMEIER RD
3410 IL RTE 83 (BUSSE RD) AT DEVON AVE

VILLACE OF ELK GROVE 901 WELLINGTON AVE ELK GROVE, IL 60007 (847) 439-3900 RED SPEED, LLC. 400 EISENHOWER LANE LOMBARD, ILLINOIS 60148 (630) 317-5700

RLR CAMERA LOCATION:

13765 US RTE 20 (LAKE ST) AT BARRINGTON RD / COUNTY FARM RD

VILLAGE OF HANOVER PARK 2121 W LAKE ST HANOVER PARK, IL 60133 (630) 823-5600 GATSO USA. INC 900 CHMMINGS CTR, 410-T BEVERLY, MA DI915 (978) 922-7294

#### **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 BEGINNING WORK.

IT SHALL BE THE CONTRACTOR'S RESPONSIBLITY 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 VERIFING THE MAST ARMS LENGTHS.

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

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

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

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

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

THIS PROJECT HAS RECEIVED AN IN-HOUSE ENVIRONMENTAL SIGN-OFF. DUE TO THE RURAL SETTING ANY SOIL EXCAVATED SHALL REMAIN ON SITE, CONTRACTOR SHALL SPREAD THE SOIL AT THE SAME QUADRANT FROM WHICH IT WAS EXCAVATED. THE GRADING SHALL BE DONE SO THAT THE EXISTING DITCH PROFILES AND WATER FLOW PATTERNS ARE MAINTAINED. THIS WORK SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, HANDHOLE, GRADING AND SHAPING DITCHES, ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. FINAL GROUND SURFACE SHALL BE COVERED WITH TOPSOIL. SEED AND EROSION CONTROL BLANKET FOR WHICH NOMINAL QUANTITIES HAS BEEN PROVIDED.

AT LOCATIONS ON THE PLANS WHERE TRAFFIC SIGNAL POST REMOVAL AND NEW TRAFFIC SIGNAL POST INSTALLATIONS ARE SPECIFIED. THE CONTRACTOR SHALL INSPECT THE EXISTING POST FOUNDATIONS, PRIOR TO REMOVING THE EXISTING TRAFFIC SIGNAL POST TO BE REPLACED, THE CONTRACTOR SHALL VERIFY THAT THE PATTERN, SPACING, AND CONDITION OF THE EXISTING ANCHOR BOLT IS ACCEPTABLE FOR REUSE WITH A NEW POST. IF THE EXISTING ANCHOR BOLT CONDITION IS NOT ACCEPTABLE, THE CONTRACTOR SHALL REPLACE ANCHOR BOLT AS DIRECTED BY THE ENGINEER, ANCHOR BOLT REPLACEMENT WILL BE PAID FOR AS "REMOVE AND REPLACE ANCHOR BOLTS". "REMOVE AND REPLACE ANCHOR BOLTS" PAY ITEM QUANTITIES SHOWN ARE NOMINAL AND ONLY TO BE UTILIZED AS APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL RELOCATE ANY EXISTING SIGN PANELS, INCLUDING BLANK OUT SIGNS, FROM PAINTED POSTS THAT ARE INDICATED FOR REPLACEMENT TO A NEW POST 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 PAY ITEM OF THE LENGTH AS SPECIFIED IN THE PLANS.

CONTRACTOR SHALL REPLACE METAL MOUNTING BRACKETS AT ALL RETROFIT SIGNAL HEADS WITH NEW POLYCARBONATE BRACKETS 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.

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

A CONCRETE APRON SHALL NOT BE REQUIRED FOR NEW UPS INSTALLATIONS ADJACENT TO EXISTING IMPERVIOUS SURFACES THAT SATISFY THE NEED OF THE CONCRETE APRON, AS DIRECTED BY THE ENGINEER.

Default	PLOT DATE * 5/15/2014	DATE -	05/16/2014	REVISED -	
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INDEX	OF SHEETS	, HIGHWAY	STANDARDS	&	GENERAL NOTES		2014-008TS	COOK	81	2
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	LOC.	TS NO.	INTERSECTION NAME
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	12	21145	ELMHURST RD AT GREENLEAF AVE
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	19 20	13140 3215	IL RTE 72 (HIGGINS RD) AT LIVELY BLVO IL RTE 72 (HIGGINS RD) AT LANDMEIER RD
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	34	1965	IL RTE 19 (IRVING PARK RD) AT SPRINGINSGUTH RD
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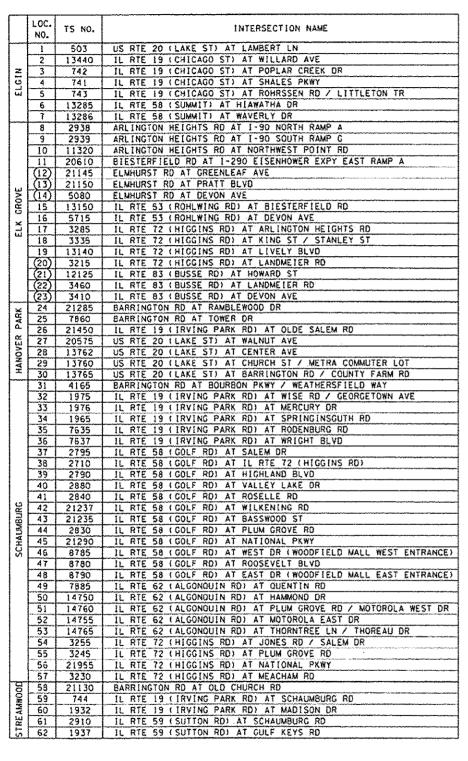
South XX INDICATES LOCATION PRESENT ON THIS SHEET DESIGNED - LP / IP REVISED COUNTY TOTAL SHEET NO. LOCATION MAP SECTION STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION Starahe-saudge ORAWN - LP REVISED --OOSTS COOK 81 3
CONTRACT NO. 60X83 2014-00875 CITY OF ELGIN CHECKED - IP PLOT SCALE = 188.8888 17 IA. REVISED -PLOT SATE + 5/15/2814 DATE - 05/16/2014 REVISED SCALE NONE SHEET OF SHEETS STA. TO STA.

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DUPAGE COUNTY ELK GROVE TWP XX INDICATES LOCATION PRESENT ON THIS SHEET ADDISON TWP 23 JSER HAME \* poctechal COUNTY TOTAL SHEET NO.
COOK 81 4 DESIGNED - LP / IP REVISED SECTION LOCATION MAP REVISED STATE OF ILLINOIS DRAWN - LP 314-sht-sedge 2014-008TS VILLAGE OF ELK GROVE PLOT SCALE \* 109.6229 17 to CHECKED - IP REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60X83 PLOT DATE + 5/15/2814 DATE - 05/16/2014 REVISED SCALE: NONE SHEET SHEETS STA. TO STA. ILLINOIS FED. AND PROJECT

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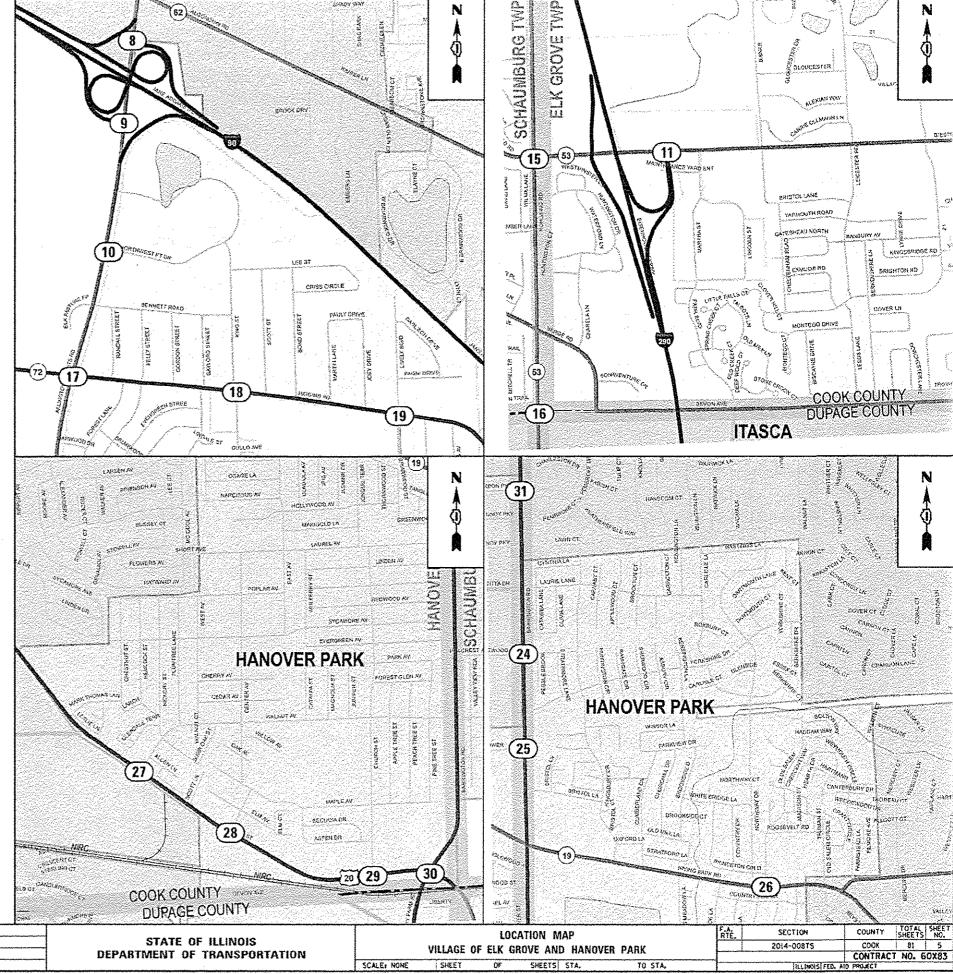
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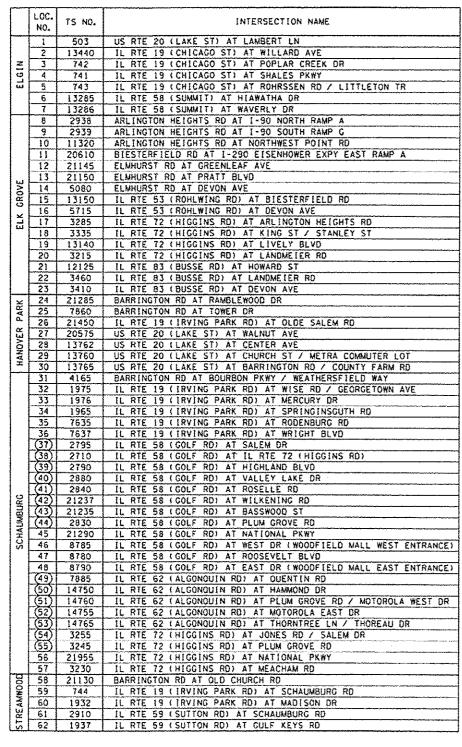
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	(26)	21450	IL RTE 19 ( IRVING PARK RD) AT OLDE SALEM RD
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굨	42	21237	IL RTE 58 (GOLF RD) AT WILKENING RD
<u>~</u>	43	21235	IL RTE 58 (GOLF RD) AT BASSWOOD ST
AU	44	2830	IL RTE 58 (GOLF RD) AT PLUM GROVE RD IL RTE 58 (GOLF RD) AT NATIONAL PKWY
SCHAUMBURG	45 46	21290 8785	IL RTE 58 (GOLF RD) AT NATIONAL PKWY  IL RTE 58 (GOLF RD) AT WEST DR (WOODFIELD MALL WEST ENTRANCE
\$	47	8780	IL RTE 58 (GOLF RD) AT ROOSEVELT BLVD
- 1	48	8790	IL RTE 58 (GOLF RD) AT EAST DR (WOODFIELD MALL EAST ENTRANCE
	49	7885	IL RTE 62 (ALGONOUIN RD) AT QUENTIN RD
1	50	14750	IL RTE 62 (ALGONQUIN RD) AT HAMMOND DR
-	51	14760	IL RTE 62 (ALGONOUIN RD) AT PLUM GROVE RD / MOTOROLA WEST DR
1	52	14755	IL RTE 62 (ALGONOUIN RD) AT MOTOROLA EAST DR
1	53	14765	IL RTE 62 (ALGONOUIN RD) AT THORNTREE LN / THOREAU DR
-	54	3255	IL RTE 72 (HIGGINS RD) AT JONES RD / SALEM DR
- 1	55	3245	IL RTE 72 (HIGGINS RD) AT PLUM GROVE RD
ŀ	56	21955	IL RTE 72 (HIGGINS RD) AT NATIONAL PKWY
딦	57 58	3230	IL RTE 72 (HIGGINS RD) AT MEACHAM RD BARRINGTON RD AT OLD CHURCH RD
00	59	21130 744	IL RTE 19 (IRVING PARK RD) AT SCHAUMBURG RD
STREAMHOOD	60	1932	IL RIE 19 (IRVING PARK RD) AT MADISON DR
		2910	IL RTE 59 (SUTTON RD) AT SCHAUMBURG RD
7	61		

INDICATES LOCATION PRESENT ON THIS SHEET

FILE HAME - USER NAME - Buciachal DESIGNEO - LP / IP REVISED - Chipm. work\partidat\pacimoha\squadit74\NZ Jif-sh-t-ndgn DRAMM - LP REVISED - PLDI SCALE = 188.8888 1/ in. CHECKED - IP REVISED - Offault PLDI GALE = 188.8888 1/ in. CHECKED - IP REVISED - OFFAULT = 188.8888 1/ in. CHECKED - IP REVISED - OFFAULT = 188.8888 1/ in. CHECKED - IP REVISED - OFFAULT = 188.8888 1/ in. CHECKED - IP REVISED - OFFAULT = 188.8888 1/ in. CHECKED - IP REVISED - OFFAULT = 188.8888 1/ in. CHECKED - IP REVISED - OFFAULT = 188.8888 1/ in. CHECKED - IP REVISED - OFFAULT = 188.8888 1/ in. CHECKED - IP REVISED - OFFAULT = 188.8888 1/ in. CHECKED - IP REVISED - OFFAULT = 188.8888 1/ in. CHECKED - IP REVISED - OFFAULT = 188.8888 1/ in. CHECKED - IP REVISED - IP REVI





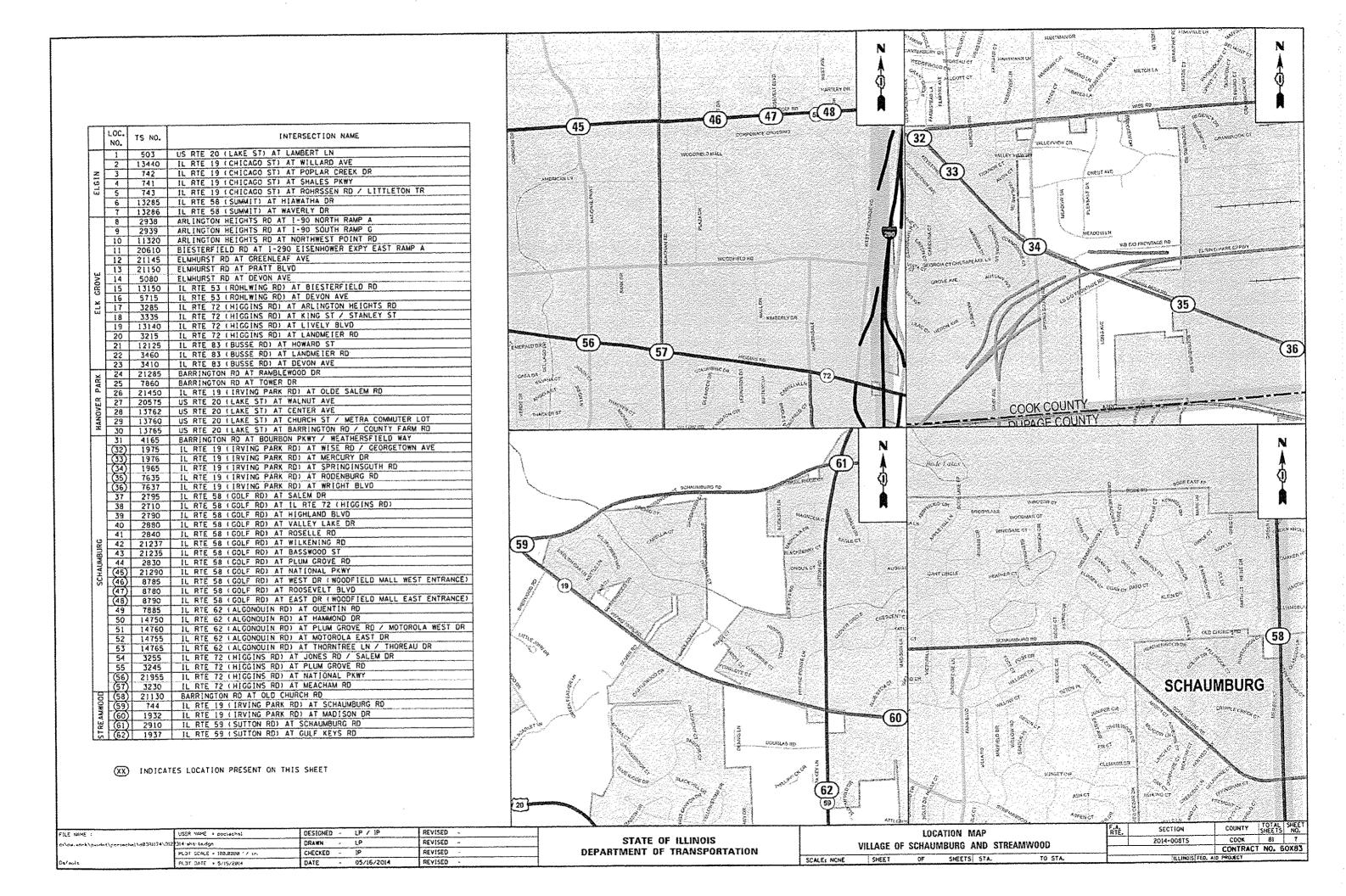
PALATINE TWP 53 ELK GROVE TWP SCHAUMBURG TWP COOPER CT COLCATE C LUFERSYCH 54 39 AZALBALK MENATO WILLOWNER CEDAR IREE CT PAXIEPL MINTERVIN DODE CHEST (XX) INDICATES LOCATION PRESENT ON THIS SHEET THACKER ST ILE HAME . USER HOME + psc:echel DESIGNED - LP / IP REVISED -COUNTY TOTAL SHEETS NO. LOCATION MAP SECTION DRAWN ΕP REVISED STATE OF ILLINOIS COOK 81 6 2014-008TS VILLAGE OF SCHAUMBURG PLOT SCALE . IDELBEE ' / 10. CHECKED -REVISED DEPARTMENT OF TRANSPORTATION CONTRACT NO. SOX83 PLOT 0478 - 5/15/2814 DATE 05/16/2014 REVISED SCALE: NONE SHEET OF SMEETS STA. TO STA. ILLINOIS FED. AID PROJECT

**SCHAUMBURG** 

49

ROLLING

MEADOWS



#### SUMMARY OF QUANTITIES HEADING LEGEND

				FUNDING PARTICIPATION													
	COLUMN NUMBER	TS NO.	INTERSECTION NAME	STATE	ELGIN	ELK GROVE	HANOVER PARK	SCHAUMBURG	STREAMWOOD	HANOVER TWP	HOFFMAN ESTATES	WOODFIELD MALL LLC	PALATINE TWP	MOTOROLA SOLUTIONS INC			
仜	2	503	US RTE 20 (LAKE ST) AT LAMBERT LN	95.0%	5.0%						***************************************						
L	2	13440	IL RTE 19 (CHICAGO ST) AT WILLARD AVE	95. 0%	5. 0%						***************************************						
:	3	742	IL RTE 19 (CHICAGO ST) AT POPLAR CREEK DR	96. 7%	3. 3%												
}  -	2	741	IL RTE 19 (CHICAGO ST) AT SHALES PKWY	95.0%	5.0%	<b>_</b>			<b></b>	ļ			*****				
۱	4	743	IL RTE 19 (CHICAGO ST) AT ROHRSSEN RO / LITTLETON TR	95.0%	2. 5%			,	<b></b>	2. 5%		ļ					
-	2	13285	IL RTE 58 (SUMMIT) AT HIAWATHA DR	95.0%	5, 0%												
+	2	13286	IL RTE 58 (SUMMIT) AT WAVERLY DR	95.0%	5, 0%	ļ						<b> </b>		<b></b>			
-	1	2938	ARLINCTON HEIGHTS RD AT 1-90 NORTH RAMP A	100.0%	ļ									ļ			
-	<u>1</u>	2939 11320	ARLINGTON HEIGHTS RD AT I-90 SOUTH RAMP G  ARLINGTON HEIGHTS RD AT NORTHWEST POINT RD	96. 7%	<del></del>	3. 3%				<b></b>		ļ		<b> </b>	<b></b>		
-	1	20610	BIESTERFIELD RO AT I-290 EISENHOWER EXPY EAST RAMP A	100.0%	<del></del>	3. 3/4								<u> </u>			
-	5	21145	ELMHURST RD AT GREENLEAF AVE	95.0%	<del> </del>	5.0%			<del></del>			<del> </del>					
-	6	21150	ELMHURST RD AT PRATT BLVD	96. 7%	<del> </del>	3. 3%			<b> </b>	<b> </b>				<u> </u>			
٠	1	5080	ELMHURST RD AT DEVON AVE	100.0%	<del> </del>					l		<del> </del>					
1	<u>-</u> 5	13150	IL RTE 53 (ROHLWING RD) AT BIESTERFIELD RD	95, 0%	<u> </u>	5.0%			<u> </u>		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<del> </del>		<u> </u>			
1	<u></u>	5715	IL RTE 53 (ROHLWING RD) AT DEVON AVE	100.0%	<u> </u>	† <del></del>						<del> </del>					
1	<u> </u>	3285	IL RTE 72 (HIGGINS RD) AT ARLINGTON HEIGHTS RD	100.0%	<b> </b>	1						<b>!</b>	1				
T	7	3335	IL RTE 72 (HIGGINS RD) AT KING ST / STANLEY ST	97.5%		2.5%											
-	5	13140	IL RTE 72 (HIGGINS RD) AT LIVELY BLVD	95.0%		5. 0%					~ <del></del>						
T	7	3215	IL RTE 72 (HIGGINS RD) AT LANDMEIER RD	97.5%		2.5%											
	5	12125	IL RTE 83 (BUSSE RD) AT HOWARD ST	95.0%		5. 0%											
Г	1	3460	IL RTE 83 (BUSSE RD) AT LANDMEIER RD	100.0%													
	1	3410	IL RTE 83 (BUSSE RD) AT DEVON AVE	100.0%													
L	10	21285	BARRINGTON RD AT RAMBLEWOOD DR	95.0%			2. 5%		2.5%					·			
L	9	7860	BARRINGTON RD AT TOWER DR	96, 7%			3. 3%										
	9	21450	IL RTE 19 (IRVING PARK RD) AT OLDE SALEM RD	96. 7%			3. 3%										
L	8	20575	US RTE 20 (LAKE ST) AT WALNUT AVE	95.0%			5.0%										
<u> </u>	8	13762	US RTE 20 (LAKE ST) AT CENTER AVE	95.0%	ļ	<u> </u>	5.0%				·····	<b> </b>					
1	8	13760	US RTE 20 (LAKE ST) AT CHURCH ST / METRA COMMUTER LOT	95.0%		<u> </u>	5, 0%					<b></b>					
┥-	1	13765	US RTE 20 (LAKE ST) AT BARRINGTON RD / COUNTY FARM RD	100.0%		<del> </del>		A 51/	ļ			<b> </b>					
-	13	4165	BARRINGTON RD AT BOURBON PKWY / WEATHERSFIELD WAY	95.0%				2. 5%	2. 5%			ļ		ļ			
-	12	1975	IL RTE 19 (IRVING PARK RD) AT WISE RD / GEORGETOWN AVE IL RTE 19 (IRVING PARK RD) AT MERCURY DR	97. 5% 95. 0%	ļ	<del> </del>	ļ	2. 5% 5. 0%		<del> </del>		<b></b>	<b>!</b>				
-	11	1965	IL RTE 19 (IRVING PARK RD) AT SPRINGINSGUTH RD	95.0%	<del> </del>	<del> </del>		5. 0%	<del></del>		<del></del>	<del> </del>					
-	11	7635	IL RTE 19 (IRVING PARK RD) AT RODENBURG RD	95.0%	<del> </del>	+		5. 0%			<del></del>	<del> </del>					
-	11	7637	IL RTE 19 (IRVING PARK RD) AT WRIGHT BLVD	95. 0%		-		5. 0%		<b></b>		<del> </del>					
$\vdash$	11	2795	IL RTE 58 (GOLF RD) AT SALEM DR	95.0%	<del> </del>	+		5. 0%	<b></b>	<del> </del>		<del> </del>					
-	1	2710	IL RTE 58 (GOLF RD) AT IL RTE 72 (HIGGINS RD)	100.0%		<del> </del>		3.04				<u> </u>					
-	14	2790	IL RTE 58 (GOLF RD) AT HIGHLAND BLVD	97.5%		<del> </del>			<del></del>		2. 5%	<del> </del>					
-	11	2880	IL RTE 58 (GOLF RD) AT VALLEY LAKE DR	95.0%		<del> </del>		5, 0%									
T	1	2840	IL RTE 58 (GOLF RD) AT ROSELLE RD	100.0%		<b>†</b>			<b></b>	l	····	<b></b>					
r	15	21237	IL RTE 58 (GOLF RD) AT WILKENING RD	96. 7%				3. 3%									
r	11	21235	IL RTE 58 (GOLF RD) AT BASSWOOD ST	95.0%		<u> </u>		5.0%									
	11	2830	IL RTE 58 (GOLF RD) AT PLUM GROVE RD	95.0%				5.0%									
F	11	21290	IL RTE 58 (GOLF RD) AT NATIONAL PKWY	95,0%				5.0%									
	16	8785	IL RTE 58 (GOLF RD) AT WEST DR (WOODFJELD MALL WEST ENTRANCE)	95.0%								5.0%					
	17	8780	IL RTE 58 (GOLF RO) AT ROOSEVELT BLVD	95.0%				2. 5%				2.5%					
	16	8790	IL RTE 58 (GOLF RD) AT EAST DR (WOODFIELD MALL EAST ENTRANCE)	95.0%								5, 0%					
L	1	7885	IL RTE 62 (ALGONOUIN RD) AT QUENTIN RD	100.0%	1												
_	11	14750	IL RTE 62 (ALGONQUIN RD) AT HAMMOND DR	95. 0%				5.0%				<b></b>					
L	18	14760	IL RTE 62 (ALGONOUIN RD) AT PLUM GROVE RD / MOTOROLA WEST DR	95.0%				2, 5%		<u> </u>				2.5%			
_	19	14755	IL RTE 62 (ALGONOUIN RD) AT MOTOROLA EAST DR	95, 0%										5.0%			
-	20	14765	IL RTE 62 (ALGONOUIN RD) AT THORNTREE LN / THOREAU DR	95.0%				2.5%					2.5%	ļ			
L	21	3255	IL RTE 72 (HIGGINS RD) AT JONES RD / SALEM DR	95.0%		·		3. 75%		L	1. 25%						
-	12	3245	IL RTE 72 (HIGGINS RD) AT PLUM GROVE RD	97. 5%	£	<del></del>		2.5%		<b></b>	·	ļ					
-	11	21955	IL RTE 72 (HIGGINS RD) AT NATIONAL PKWY	95.0%		<del> </del>		5. 0%				<b></b>		ļ			
+	12	3230	IL RTE 72 (HIGGINS RD) AT MEACHAM RD	97.5%	£			2. 5%	7 71	ļ	·····	<b>_</b>		ļ			
-	22	21130	BARRINGTON RD AT OLD CHURCH RD	96. 7%	<b> </b>	<b></b>			3, 3%	<b></b>			ļ				
-	1 22	744	IL RTE 19 (IRVING PARK RD) AT SCHAUMBURG RD	100.0%		<del> </del>	<b></b>		3 34	ļl		<b> </b>			·····		
F	22	1932	IL RTE 19 (IRVING PARK RD) AT MADISON DR  IL RTE 59 (SUTTON RD) AT SCHAUMBURG RD	96. 7%	<del></del>	<del> </del>			3, 3%	<b> </b>				<b></b>			
-	23	2910 1937	IL RIE 59 (SUTTON RD) AT GULF KEYS RD	95.0%	<b></b>	<del> </del>			5. 0%	<b> </b>	<del></del>	<b></b>			···		
١.,	٤3	1 1331	IT UIF DO FOREIGN WAS ANDER WELL WE	3). 0/.	L	L	L		3.0%	L		L		l			

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ct\pw_work\px1dot\pidscenc161\d8381174\0	22314-ant-ta.ogn	DRAWN	-	LP / IP	REVISED	-
	PLOT SCALE * 189,8888 '/ in.	CHECKED	-	BK	REVISED	•
	PLOT DATE * 5/28/2014	DATE	*	05/16/2014	REVISED	•

STATE	OF	LLLINOIS
DEPARTMENT	0F	TRANSPORTATION

SUMMARY OF QUANTITIES	F.A. RTE.	SECTION .	COUNTY	TOTAL SHEETS	SHEET NO.						
(SHEET 1 OF 5)		2014-00815	COOK	81	8						
(5.1.2.2.2.3)	1		CONTRACT	NO. I	50×83						
SCALE; NONE SHEET NO. OF SHEETS STA. TO STA.	[LLINOIS FEG. ALD PROJECT										

		Water Market				1	Andrews of the state of		a service a serv											,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	21	7				5	2			4	Personal Angelon, data de papara, de p	The state of the s			The state of the s		2										
8030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2	2			-			edicase pagasagua pagasagua pagasagua			And a transmission of the state	Bernard Angeles and Angeles an			THE STATE OF THE S			a ngagara na ngawaga na									
030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1			ug lawdy deviation from the state of the sta	ermidersken kalmersken der der den der			Transferrence to the control of the			AD A COLUMN TO THE COLUMN TO T	To day give the signal and the signa		Samuel Andreas			.,,_,_			Prince year & spirit, propried applicated continuing for the		Challeghorth drawback and an artist and a second a	Vages and the second se			Annuary de la servicio del la servicio de la servicio della servic	And the second s
030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	26	<b></b>	2		Value of the second sec	3		2	and the second s	5		2			nimhrandari eta		4		2							employees and a second	10.000
							Popper and the second s			A CONTRACTOR OF THE CONTRACTOR		The state of the s	Name of the Control o	and the state of t						and a super-leasure state of the su								and state of the s	(m.)
፡ በኛበበጀባ	SIGNAL HEAD, LED. 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	40	9	2			7	6	4	Avende to the second se	6		2					2		2					ANA TOTAL DESCRIPTION OF THE PROPERTY OF THE P		***************************************	
001640	SIGNAL HEAD, LED, 3-FACE, 2-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH					Branks the second secon															1							
502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	3		1														***							-		And the second s	
502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	29	5	2		ann markensam de la constante	7	2	And the second s	appropriate the second	3	***************************************	2		3			2		2	1							
002480	TRAFFIC SIGNAL FUSI, WALVANIZED SICE IN 11.								a bottom and a bot														Ser nava augent na renna		1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Constitution of the Consti			
02480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	19	4	3		-	2	2	4		i							3	100					LLA VALLEY BUTTON BETTER TO THE PARTY OF THE	ACOLA ANTA ANTA ANTA ANTA ANTA ANTA ANTA AN			
100100	TRANSCEIVER - FIBER OPTIC	EACH	6				-	1				1	1	1	a propose consequence of the con	1							ong grand garage age a species of the species of th				garangan garanga diban		
000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	62	14	5	1	1	4	2	2	3	2	1	11	3	1		1	2		i	l	1	1	2	***			- 14-
102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	the state of the s	der	***************************************	and the state of t		A PART AND				ay a sa faya anay yan da s					ene no moseen .			ann ag 1, a fa 11 gail a faa d	a nama man may un nama ti ya m				Observation and the second sec	e umanos Promine men um		274.7
100100	MOBILIZATION	L SUM			The state of the s	-		. At 1000 The 1000				arten man an i Jinas i man			a spoliticitata antico constitu		***************************************									Application of the Control of the Co			
		Approximation of the state of t											17 8.1 1 mail 18 17 817 1																
000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			and a second sec							or 10 to 2 to							nat tarenera ( ***********************************	- 8 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -			Account Account of the Control of th	nous exemples			
NO.	ITEM	UNIT	TOTAL														0021 JRBAN												
**************************************			<b>T</b>	1	2	3	4	5	6	7	8	9	10	11	12 T	13 RAFF	14 IC SI	15 GNAL	16 L	17	18	19	20	21	22	23 2	4   25	1 26	

1	FILE NAME *	USER NAME = placenosas	DESIGNED - LP	/ IP	REVISED - IP 05/28/2014	,		SU	IMMAR	Y OF QU	ANTITIES		RTE.	SECTION	COUNTY	TOTAL SHE	). ]
	ci\pw_work\pwidot\plasconciai\d0381174\0	22314-sht-ts.dgn	DRAWN - LP	/ IP	REVISED -	STATE OF ILLINOIS				EET 2 OF				2014-008TS	COOK	81 9	
		PLOT SCALE * 100,0000 1/ in.	CHECKED - IP		REVISED -	DEPARTMENT OF TRANSPORTATION			1311	LLI Z UI	٧١				CONTRAC	T NO. 60X8	/3
		PLOT DATE + 5/28/2014	DATE - 05/	/16/2014	REVISED -		SCALE: NONE	SHEET NO.	QF	SHEETS	STA,	TO STA.		ILLINOIS FED. A	D PROJECT		

2		TO THE PARTY AND		***************************************	To a shade A M office			-	A A A A A A A A A A A A A A A A A A A		-	n deconoceredore s	***************************************										a department	Approximate the second			rivery and the second
800100	PEDESTRIAN PUSH-BUTTON	EACH	52	14					Note that the second se	ananylas vast vast vast vast vast vast vast va	6	2		0	2		2	4	2	4		4		2		-	
00100	INDUCTIVE LOOP DETECTOR	EACH	49	Brid.	A Committee of the Comm			6	POSITION OF THE PROPERTY OF TH	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COL		7	7 1	0	8					The state of the s			VI			TO THE PROPERTY OF THE PROPERT	**************************************
0210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	103	37	4			16	8	15		8	The state of the s	1				2		7	2			. *************************************			
2757	PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1				The second secon	And the second s	embelijans, derpleappe opps, dakkepp stype	***************************************	Andreas and the groups of a second of a second	APPENDING YARD VICE AND ADDRESS OF THE APPENDING THE APPENDING AND ADDRESS AND		1							The state of the s						
02747	PEDESTRIAN SIGNAL HEAD, LED. 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	36	10	7	1			and the state of t		-	1	1	3		1	-						2	1	1		
02717	PEDESTRIAN SIGNAL HEAD. LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	103	14	10	2		***************************************	to a matrix area of the description and they dear transformer.	And the second s	8	4	2 2	4 5	2	6	2	4	2	4		4	<b>4</b>	4	2		
30330	SIGNAL HEAD, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION BRACKET MOUNTED	EACH	2					general market m	Norman III a statut v v a takima aa oo oo oo aa oo oo oo oo oo oo oo oo	VARIABLE POPULATION AND AND AND AND AND AND AND AND AND AN								Totalisa de Antonio a como esta de Carta de Cart	Personal Property and Property	1	400		The second secon				herotaken er et
30325	SIGNAL HEAD, LED. 3-FACE. 1-3 SECTION, 1-4 SECTION, 1-5 SECTION BRACKET MOUNTED	EACH	1						AND PRODUCE PROPERTY OF THE PR	destination destinates	AAA AAAA AAAA AAAA AAAAA AAAAA AAAAA AAAA	Andronov, Andropeoper						ANA MINISTER PROPERTY AND ANALOGO AND ANAL	An a sum of parameter para		1				reference and the second secon		Service de la calcidade després de la calcidade de la calcidad
30310	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1	d-mil				A real and a second sec	en e		Anna Anna Anna Anna Anna Anna Anna Anna	THE STATE AND ADDRESS OF THE STATE ADDRESS OF THE STATE AND ADDRESS OF THE STATE ADDRESS OF THE STATE AND ADDRESS OF THE STATE AND ADDRESS OF THE STATE ADDRESS OF THE STATE ADDRESS OF THE STATE ADDRESS OF THE ADDRESS OF THE STATE ADDRESS OF THE STATE ADDRESS OF THE STATE						The second secon	The state of the s								of the second se
30250	SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1				A POPULATION OF THE POPULATION				en bet de deutsche er de deutsche e	MANA PARTIE DESTRE E REPORT DE SENTE COMMUNICATE ACCIONATION CONTROL C	THE CONTRACT OF THE CONTRACT O		of the short of th					AND HER WEST ADMITTAL AND ADMITTAL ADMITTAL AND ADMITTAL			And construction of the co			THE WANTE PROPERTY CONTRACTOR CON	***************************************
30240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	10		2			2	The state of the s			entre de la constante de la co						2		2			A CONTRACTOR OF THE PROPERTY O				**************************************
)30220	SIGNAL HEAD, LED. 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4	3				1	TO THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRES		Action			Terrent for the second of the				Windows Andrews Communication of the Communication			ann spragamin street						
30210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	17	1	2			4	2	2		THE PROPERTY AND ADDRESS OF THE PARTY OF THE		2	The section of the se			2			1						
30110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	35	10	2			9	2	1	And of the state o	2		2						5	2			11417			[]
ODE NO.	ITEM	UNIT	TOTAL QUANTITY								and the same of th					002 URBA	L						***************************************				T
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(SHEET 3 OF 5)

SCALE: NONE SHEET NO. OF SHEETS STA.

TO STA.

F.A. SECTION COUNTY TOTAL SHEET NO.

2014-008TS COOK 81 10

CONTRACT NO. 60X83

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89500100	RELOCATE EXISTING SIGNAL HEAD	EAÇH	4	1								Ī				4								A	***************************************		Augustus ( ) Pagar Surv		
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89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	51	10	5	1	1	3	2	2	3	1		10	2		1	1	2	1	1	1		1	2	1			
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89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	55	12	4	1		3	1	2	3	2	1	10	3	1	1	1	2	1	1	1	1	1	2	1			
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X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	6	1		<u> </u>	ļ	1		ļ	ļ	1	1	1		1		, ,		*********************	wg. wa								
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X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	57	11	5	1	1	4	2	2	3	2	1	11	2	1	1	1	2	1	1	1	-	1	2	1			
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V0007070	CICNAL HEAD LED 2-FACE 1-2 SECTION 1-4 SECTION SDACKET MOUNTED DETROET	EACH	6	6	ļ						<b> </b>	-		ļ															
X88U3U38	SIGNAL HEAD, LED. 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED, RETROFIT	LAGI	•					ļ			-										·								
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X8803040	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT	EACH	9	1		A PROPERTY OF THE PERSON OF TH			1			***************************************	of annual control of the control of	7					NAS TOTAL TURBURY		The case of the ca								.,
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X8803050	SIGNAL HEAD, LED, 3-FACE, 1-3 SECTION, 2-5 SECTION, BRACKET MOUNTED, RETROFIT	EACH	5		<b> </b>	<u> </u>		l						1	4												- Commonweal		
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X8803060	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	3	1	ļ	ļ		ļ	1	-								1									-		
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X8803082	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	30	14		3	2		3	-	-	e de grant yeur de la constant de la	-	3				3					dridiskrivation	- and the same of	1		der der ede		ennary/beaman
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X8803084	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EAUT	103	- 20	0	7	0	ļ		-	ļ		-	"	16						nemocale nemocal me,								
						a second	-	<u></u>	ļ		-		-											and a support of					
X8803088	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	41	1	8	W + MODERNOOMERS	2		1	And a market beauty of the		unter the state of	3	23				1				, ,	***************************************	gen en a se en anno en en	1				m to an element
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VSDATAGO	SIGNAL HEAD, LED. 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	3		<b></b>	***************************************	***************************************	ļ	-		- Lander	***************************************	-	2											1				Total Control of the
V0003030	SAME HEAD, LED, 2 FACE, 3 SECTION, SHACKET MOUNTED, NETWORK		,	-		the page of the pa	turbrate to the state of the st	<u> </u>	<b> </b>	-		-	-	-										Taka atau Angeriya atau					
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X8803110	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED, RETROFIT	EACH	2	2		The state of the s	***************************************			TO THE WATER CONTRACT OF THE PARTY OF THE PA			Water	-						.,,,,			.,	AND TO SECURE AND THE SECURE			and the state of t		
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1		PLOT CATE - 5/28/2014	DATE	-	05/16/2014	REVISED	•		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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CALE: NONE	SHEET NO.	QF	SHEETS	STA.	

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X8803120	SIGNAL HEAD, LED, 1-FACE, 4-S	SECTION, MAST ARM MOUNT	ED. RETROFIT	EACH	5	5																						ļ	
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X880321(	SIGNAL HEAD, LED. 1-FACE. 5-S	SECTION, BRACKET MOUNTE	D, RETROFIT	EACH	24	2	8	1	2	- Verange - Vera	T T T T T T T T T T T T T T T T T T T		***************************************	- transfer	3 6	5	***************************************	a demonstration of the second	4		a de la companya de l	Academies of the same			1				
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X8803910	SIGNAL HEAD, LED, 2-FACE, 5-S	SECTION, BRACKET MOUNTE	D RETROFIT	EACH	5	ļ	ļ									5		ļ										ļ	
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¥888001	PEDESTRIAN PUSH-BUTTON, NON-L	ATCHING		EACH	111	20	16	3	-				3	3	3 2	7 1	7	7						6	3	3		***************************************	ı
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(SHEET 5 OF 5)

SCALE; NONE SHEET NO. OF SHEETS STA. TO STA.

| CONTRACT NO. 60x83

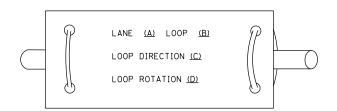
## TRAFFIC SIGNAL LEGEND

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ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET	$\bowtie$ R			EMERGENCY VEHICLE LIGHT DETECTOR	$\stackrel{R}{\leqslant}$	$\bowtie$	•	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET			R►◆R	CONFIRMATION BEACON	$R_{\circ}$	0-()	<b>⊷</b>			-/	_
COMMUNICATIONS CABINET	C C	ECC	СС	HANDHOLE	R			COAXIAL CABLE		<u> </u>	<u> </u>
MASTER CONTROLLER		EMC	MC	HANDHOLL				WENGER AND 5 FOR ANYTHIN		$\prec$	_
MASTER MASTER CONTROLLER	В	EMMC	ммс	HEAVY DUTY HANDHOLE	R	Н	H	VENDOR CABLE FOR CAMERA			
JNINTERRUPTABLE POWER SUPPLY	UPS	EUPS	UPS	DOUBLE HANDHOLE	R			COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED		<u>—</u>	<u>—6</u> —
SERVICE INSTALLATION, P) POLE OR (G) GROUND MOUNT	- <u></u> R	- <u></u>	- <b>■</b> P	JUNCTION BOX	R		0	FIBER OPTIC CABLE		/	
TELEPHONE CONNECTION  (P) POLE OR (G) GROUND MOUNT	R	P	P	UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)		<del></del>		NO. 62.5/125, MM12F FIBER OPTIC CABLE		— <u>(</u> 2F)— — <u>(</u> 24F)—	—24F)—
STEEL MAST ARM ASSEMBLY AND POLE	R	O	•	TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE	_R			NO. 62.5/125, MM12F SM12F		<b>9</b> -10	
ALUMINUM MAST ARM ASSEMBLY AND POLE	R_	0		COMMON TRENCH			ст	FIBER OPTIC CABLE		<u> </u>	—36F)—
STEEL COMBINATION MAST ARM	P	o w	- ~	COILABLE NONMETALLIC CONDUIT (EMPTY)			CNC	NO. 62.5/125, MM12F SM24F		950	
ASSEMBLY AND POLE WITH LUMINAIRE	" <u>O</u> -X	0- <del>x</del>	<del>• ×</del>	SYSTEM ITEM		S	S	GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM,		c'll	c∥⊢
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA	PTZ)	PTZI	PTZ¶	INTERSECTION ITEM		I	IP	OR (S) SERVICE		1	1
SIGNAL POST	RO	0	•	REMOVE ITEM	R			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED	RCF		
TEMPORARY WOOD POLE (CLASS 5 OR	R⊗	$\otimes$	•	RELOCATE ITEM	RL						
BETTER) 45 FOOT (13.7m) MINIMUM	_			ABANDON ITEM	А			STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED	ORMF		
GUY WIRE	>R	>	<b>&gt;</b>	12" (300mm) TRAFFIC SIGNAL SECTION		R	R	ALUMINUM MAST ARM POLE AND	RMF		
SIGNAL HEAD	-K	$\rightarrow$	-	12" (300mm) RED WITH 8" (200mm)		R		FOUNDATION TO BE REMOVED	0		
SIGNAL HEAD CONSTRUCTION STAGES NUMBERS INDICATE THE CONSTRUCTION STAGE)			<b>→</b> <sup>2</sup>	YELLOW AND GREEN TRAFFIC SIGNAL FACE			R	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND	RMF O-X		
SIGNAL HEAD WITH BACKPLATE	+C <sup>R</sup>	+1>	+-			$\mathbb{R}$	Y	FOUNDATION TO BE REMOVED			
SIGNAL HEAD OPTICALLY PROGRAMMED		—[>"p"	<b>→</b> "P"	SIGNAL FACE			G <b>∢</b> Y	SIGNAL POST AND FOUNDATION TO BE REMOVED	RPF O		
FLASHER INSTALLATION IS DENOTES SOLAR POWER)	R O- <b>:</b> >>''F''	O-t>"F"	<b>◆►</b> "F"			<b>4</b> S	<b>←</b> Y	INTERSECTION & SAMPLING (SYSTEM) DETECTOR		LIS	IS
PEDESTRIAN SIGNAL HEAD	R -	-0	-			R	R	SAMPLING (SYSTEM) DETECTOR		[s]	S
PEDESTRIAN PUSHBUTTON DETECTOR	R (6)	<b>©</b>	<b>©</b>	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD			Y G +Y	QUEUE DETECTOR		[ <u>@</u> ]	
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR	R APS	@APS	APS	"RB" INDICATES REFLECTIVE BACKPLATE		(+ Y) (+ G)	<b></b> G				
ILLUMINATED SIGN	R		<b>9</b>			"P"	"P"	PREFORMED QUEUE DETECTOR		<u>[PO]</u>	PO
"NO LEFT TURN"				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL		(W)		PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		PIS	PIS
ILLUMINATED SIGN 'NO RIGHT TURN''	R			12" (300mm) PEDESTRIAN SIGNAL HEAD				PREFORMED SAMPLING (SYSTEM) DETECTOR		• —• • —• • PS [	PS
DETECTOR LOOP. TYPE I		Γ-!		INTERNATIONAL SYMBOL, OUTLINED				THE ONNE SAME EING (STSTEM) BETEGTON		1, =1	
·		اا به _ پ	<b>□</b>	12" (300mm) PEDESTRIAN SIGNAL HEAD		<b>(*)</b>	<b>P</b>	DALLDOAD	CVMD	ni c	
PREFORMED DETECTOR LOOP		1 P 1 a – e	Р	INTERNATIONAL SYMBOL, SOLID			*	RAILROAD	2 TIVID	JL9	
MICROWAVE VEHICLE SENSOR	R [M])	M	M	PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER		C C D	<b>₽</b> C <b>★</b> D			EXISTING	PROPOSED
/IDEO DETECTION CAMERA	R [V])	(V)	(V)	RADIO INTERCONNECT	<del>    </del> 0	##+		RAILROAD CONTROL CABINET			R►€R
VIDEO DETECTION ZONE						•		RAILROAD CANTILEVER MAST ARM		X <del>oX X</del> X	X <del>XXXX</del>
	R			RADIO REPEATER	R ERR	ERR	RR	FLASHING SIGNAL			<b>X⊖X</b>
PAN, TILT, ZOOM CAMERA	PIZ)	PZ)	₽TZ <b>N</b>	DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE,				CROSSING GATE		X <del>0</del> X>	<del>***</del>
WIRELESS DETECTOR SENSOR	RW	W	W	ALL DETECTOR LOOP CABLE TO BE SHIELDED  GROUND CABLE IN CONDUIT		<i>'</i>		CROSSBUCK		<u>2∪2</u>	<b>*</b>
WIRELESS ACCESS POINT	R			NO. 6 SOLID COPPER (GREEN)			(1)			<u>.</u>	
LE NAME = USER NAME = plascencial phasencial \( \text{Q381174\D} \) \( \text{22314-sht-ts.dgn} \)		DESIGNED - DAG/BCK DRAWN - BCK	REVISED REVISED	- DAG 1-1-14 - STATE	OF ILLINOI	s		DISTRICT ONE	F.A RTE.	SECTION	COUNTY TOTAL SHEETS
PLOT SCALE = 100.0000 '/	ın.	CHECKED - DAD	REVISED	DEPARTMENT				STANDARD TRAFFIC SIGNAL DESIGN DETAILS  NE SHEET NO. 1 OF 7 SHEETS STA. TO STA		2014-008TS <b>TS-05</b>	CONTRACT NO. 6

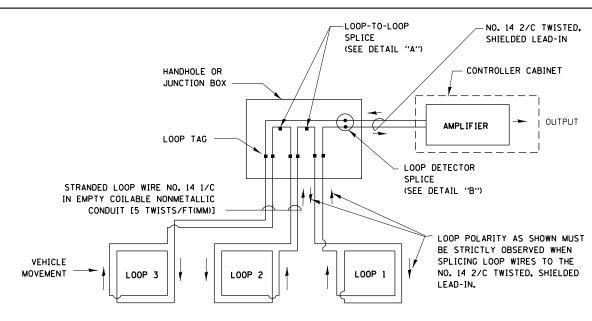
#### **LOOP DETECTOR NOTES**

- 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

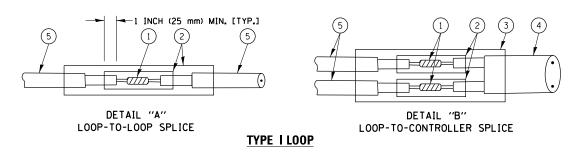


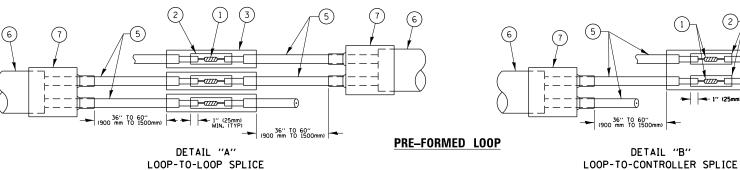
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP \*1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

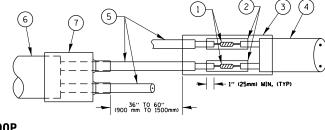


#### **DETECTOR LOOP WIRING SCHEMATIC**

- 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), IE 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.







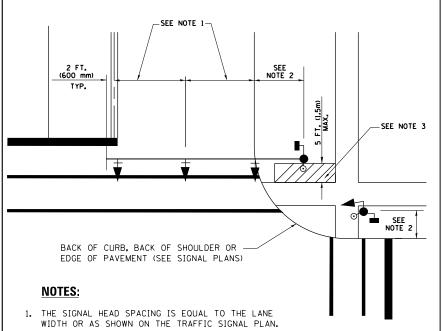
DETAIL "B"

#### LOOP DETECTOR SPLICE

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

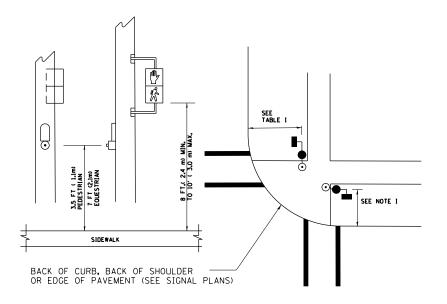
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PRE-FORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR The BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL
- DESIGNED DAD DAG 1-1-14 FILE NAME = USER NAME = plascencia REVISED SECTION COUNTY DISTRICT ONE :\pw\_work\pwidot\plascenciai\d0381174\D122314-sht-ts.don DRAWN BCK REVISED STATE OF ILLINOIS 2014-008TS COOK 81 14 STANDARD TRAFFIC SIGNAL DESIGN DETAILS CHECKED DAD REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60X83 TS-05 SHEET NO. 2 OF 7 SHEETS STA. SCALE: NONE REVISED PLOT DATE = 5/15/2014 DATE 10-28-09 FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT

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



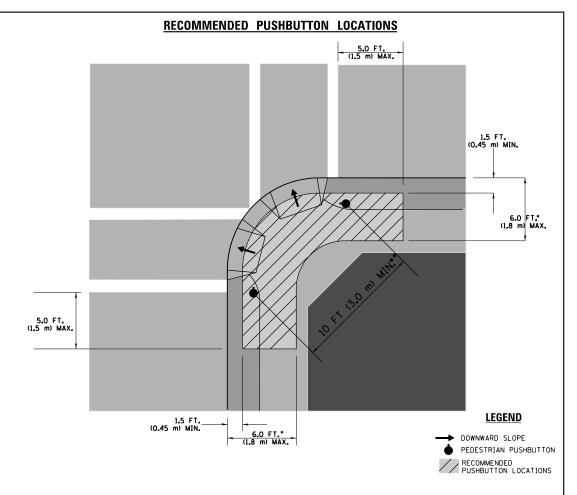
- 2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- 3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST
- 4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO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

#### <u>Pedestrian Signal Post</u> <u>and</u> Pedestrian Push Button Post



#### NOTES:

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



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

#### NOTES:

- PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
- 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.
- 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 PAYEMENT.

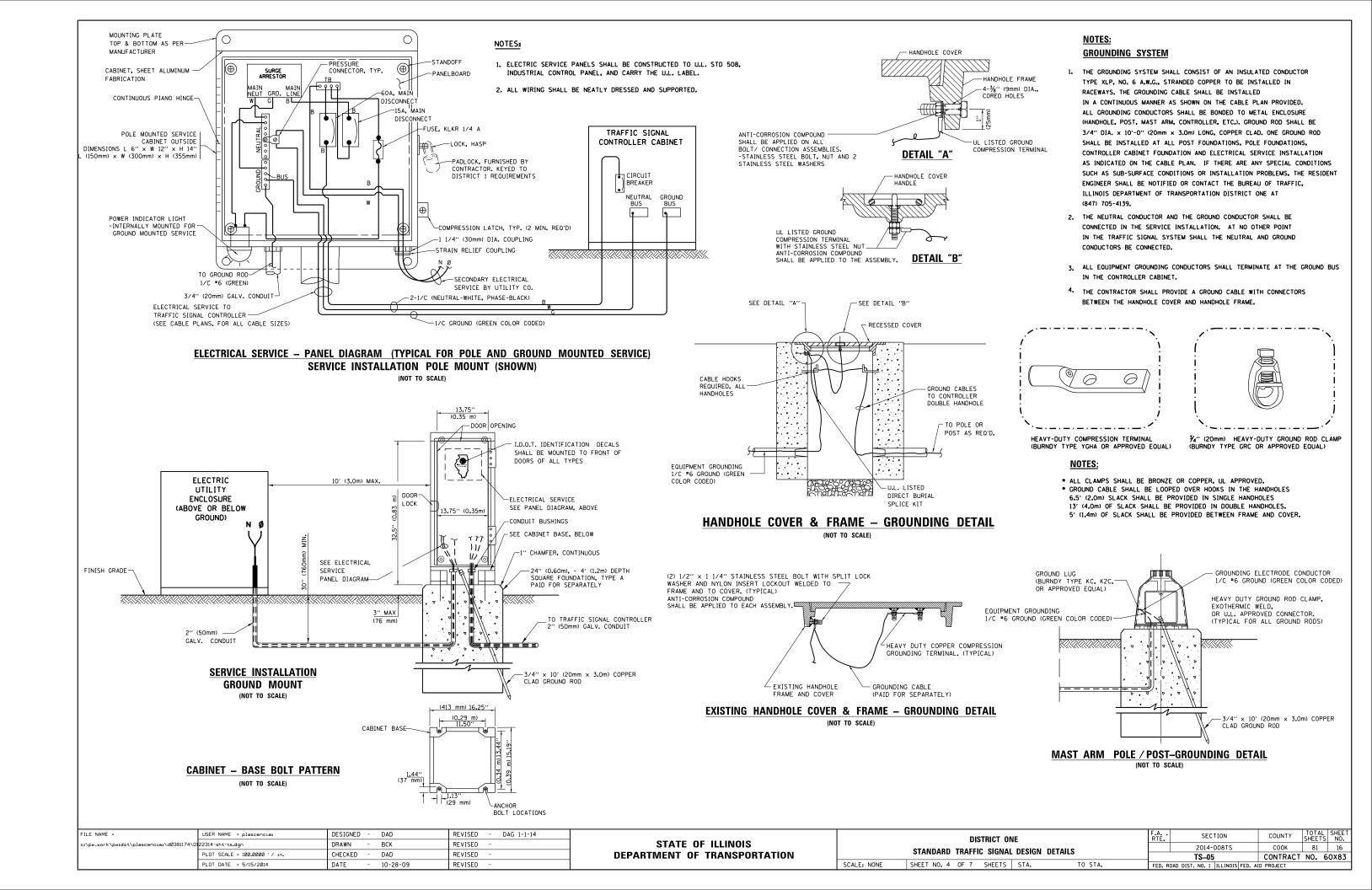
#### TRAFFIC SIGNAL EQUIPMENT OFFSET

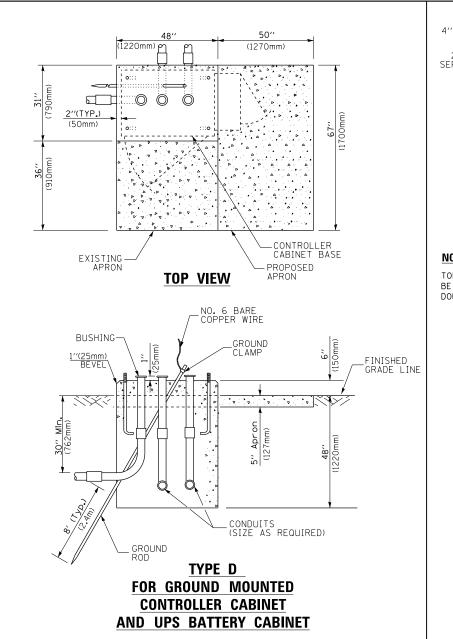
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

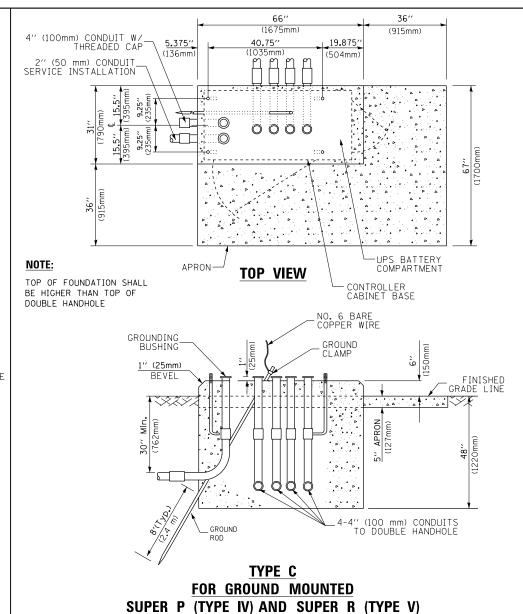
#### NOTES:

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

FILE NAME =	USER NAME = plascencia:	DESIGNED - DAD	REVISED - DAG 1-1-14		DISTRICT ONE	F.A	SECTION	COUNTY TOTAL SHEET
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	PLOT SCALE = 100.0000 '/ in.	CHECKED - DAD	REVISED -	DEPARTMENT OF TRANSPORTATION	STANDARD TRAFFIC SIGNAL DESIGN DETAILS		TS-05	CONTRACT NO. 60X83
	PLOT DATE = 5/15/2014	DATE - 10-28-09	REVISED -		SCALE: NONE SHEET NO. 3 OF 7 SHEETS STA. TO STA.	FED. ROA		AID PROJECT







**CONTROLLER CABINETS** 

	(1651mm)
SEE NOTE 5-	49" (SEE NOTE 3) (1245mm)
. IÊ	(1245mm) 44" 16"
	1118mm) (406mm)
↑ <del>†</del> □	
31." (787mm) 660mm)	2½"
31 7787mm. 660mm.	
66	(125mm)
<u> </u>	
<del></del>	· +
2," (51mm)	2" × 6" (51mm × 152mm)
211	WOOD FRAMING (TYP.)
15	F
I	<del></del>
	===p
TRAFFIC SIGNAL	<b>-</b>
CONTROLLER CABINET	
	<b>I</b> ■ UPS
	CABINET
3/ 4/ 4/0 1/ TDELTED	
3√4'' (19mm) TREATED PHYWOOD DECK	
THIWOOD DLCK	
	<del></del>
2" <u>× 6" (51mm × 152mm)</u> TREATED WOOD	•    •    •    †
TICEATED WOOD	
zi <sup>†</sup> a	
ĭ≅lĕ	
2 MIN 305mm)	
3,12	
MIN.	
48" MIN (1219mm)	L
/48// (1219/	
4 = 1	
<b>+</b> L	
<u>6'' × 6'' (152mm × 152mm)</u>	
TDEATED WOOD DOCTE	L _ J
NOTES:	
. BASED ON CONTROLLER CABINET TYPE IV WITH E	BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm).
ADJUST PLATFORM SIZE TO FIT CABINET BASE D	BASE DIMENSIONS OF 26" × 44" (660mm × 1118mm). NIMENSIONS BEING SUPPLIED

65" (SEE NOTE 4)

- 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**

VEIITIONE OF
•

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

#### **DEPTH OF FOUNDATION**

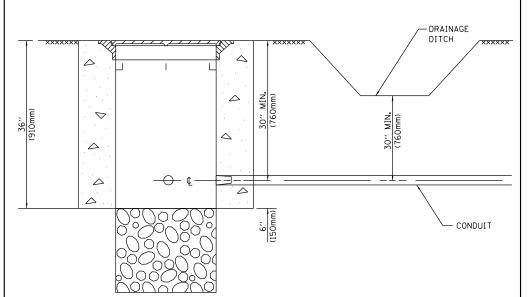
Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30′ (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
30' (9.1 m) and less than 40' (12.2 m)	11'-0'' (3.4 m)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

#### NOTES:

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

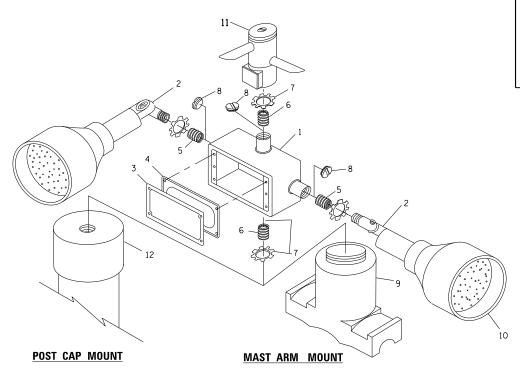
#### DEPTH OF MAST ARM FOUNDATIONS, TYPE E

FILE NAME =	USER NAME = plascencia:	DESIGNED - DAG	REVISED - DAG 1-1-14		DISTRICT ONE	F.A RTE.	SECTION	COUNTY TOTAL SH
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	PLOT SCALE = 100.0000 ' / in.	CHECKED - DAD	REVISED -	DEPARTMENT OF TRANSPORTATION	STANDARD TRAFFIC SIGNAL DESIGN DETAILS		TS-05	CONTRACT NO. 60X
	PLOT DATE = 5/15/2014	DATE - 10-28-09	REVISED -		SCALE: NONE   SHEET NO. 5 OF 7 SHEETS   STA. TO STA.	FED. ROAD	DIST. NO. 1 ILLINOIS FED. A	AID PROJECT



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

## HANDHOLE WITH MINIMUM CONDUIT DEPTH



## EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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		DATE	-	10-28-09	REVISED	-		

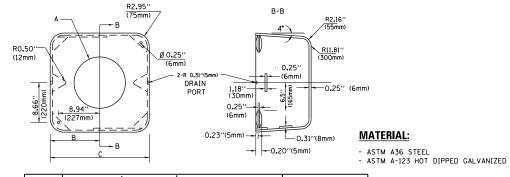
## (1675mm) (915mm) 19.875" 5.375" 40.75" (136mm) (1035mm) (504mm $\bigcirc$ PROPOSED -APRON -CONTROLLER CABINET BASE **TOP VIEW** NO. 3 DOWEL 18" (450mm) LONG (8 REQ.) BUSHING -\_GROUND CLAMP / EXISTING ANCHOR BOLTS 1''(25mm) BEVEL GRADE LINE (300mm) (300mm) -EXISTING CONDUITS EXISTING GROUND ROD MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)

## IDENTIFICATION 1 OUTLET BOX- GALY. 21 CU.IN. (0.000344 CU-M) 2 LAMP HOLDER AND COVER 3 OUTLET BOX COVER REDUCING BUSHING 3/4"(19 mm) CLOSE NIPPL 3/4"(19 mm) LOCKNUT 14"(19 mm) HOLE PLUG SADDLE BRACKET - GALV. 6 WATT PAR 38 LED FLOOD LAMP 11 DETECTOR UNIT 12 POST CAP [18 FT. (5.4 m) POST MIN.]

#### **NOTES**

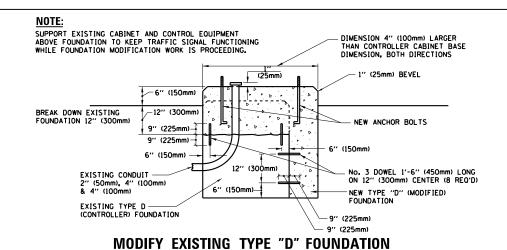
- 1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR
- 2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- 3. WHEN POST MOUNTING IS SPECIFIED, ITEM \*9 SHALL NOT BE REQUIRED. THE DETECTION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

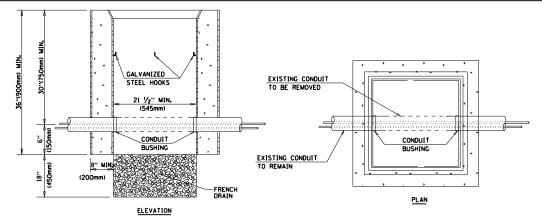


A	В	С	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19''(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5''(470mm)	37''(940mm)	7" (178mm) - 12" (300mm)	126 lbs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

#### SHROUD

- 1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- 2. THE SUPPLIER SHALL 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.

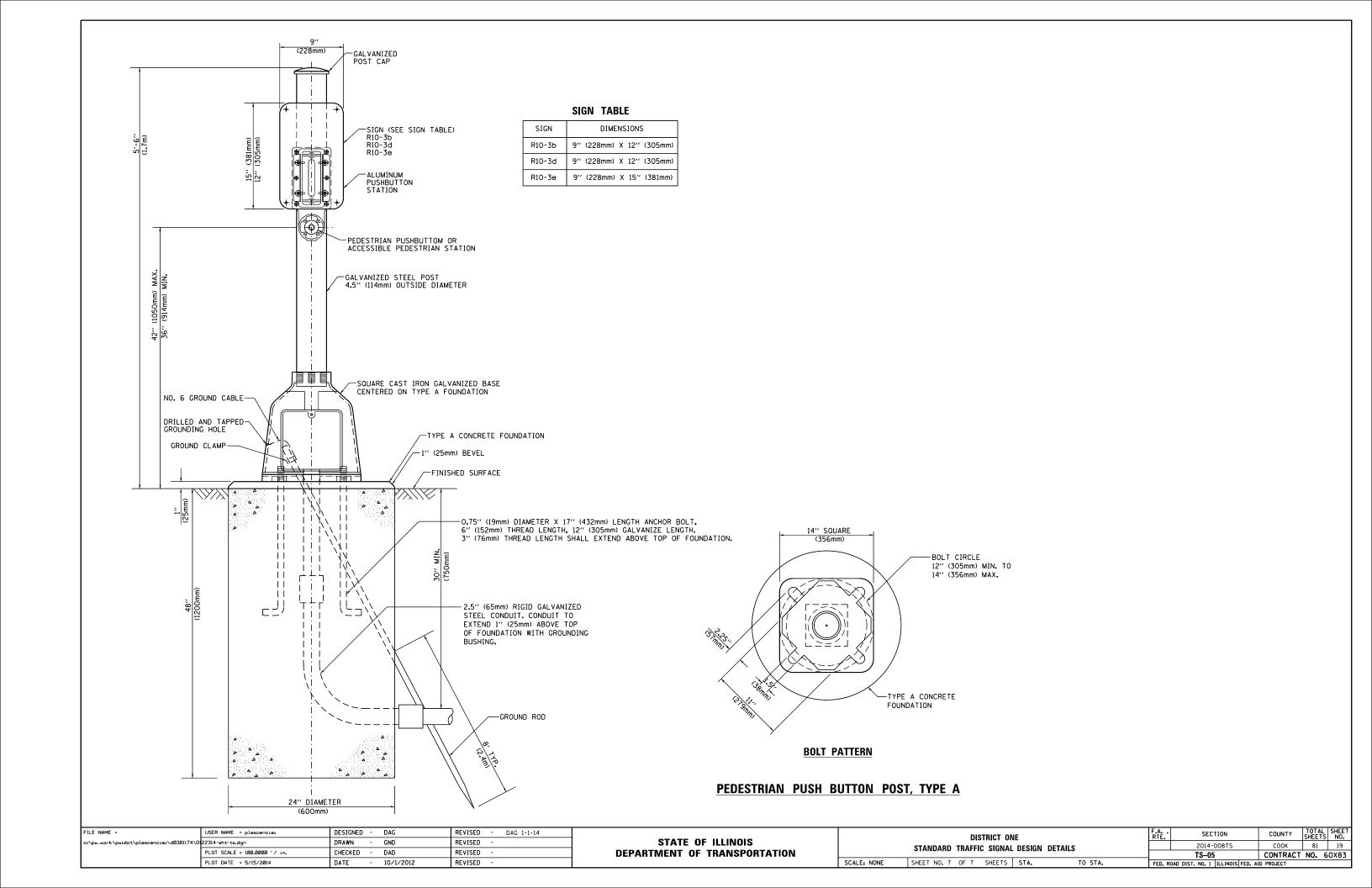


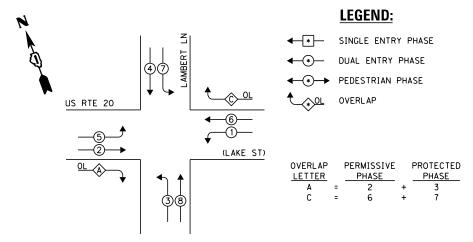


- 1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- 2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

#### HANDHOLE TO INTERCEPT EXISTING CONDUIT

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		D	STRICT OF	JE		F.A RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	STANDARD TRAFFIC SIGNAL DESIGN DETAILS						2014-008TS	COOK	81	18
		JIANUANU INAII			AILO		TS-05	CONTRACT	NO. 6	OX83
	SCALE: NONE	SHEET NO. 6 OF 7	SHEETS	STA.	TO STA.	FED. RO	AD DIST, NO. 1 ILLINOIS FED. AI	D PROJECT		





#### **EXISTING PHASE DESIGNATION DIAGRAM**

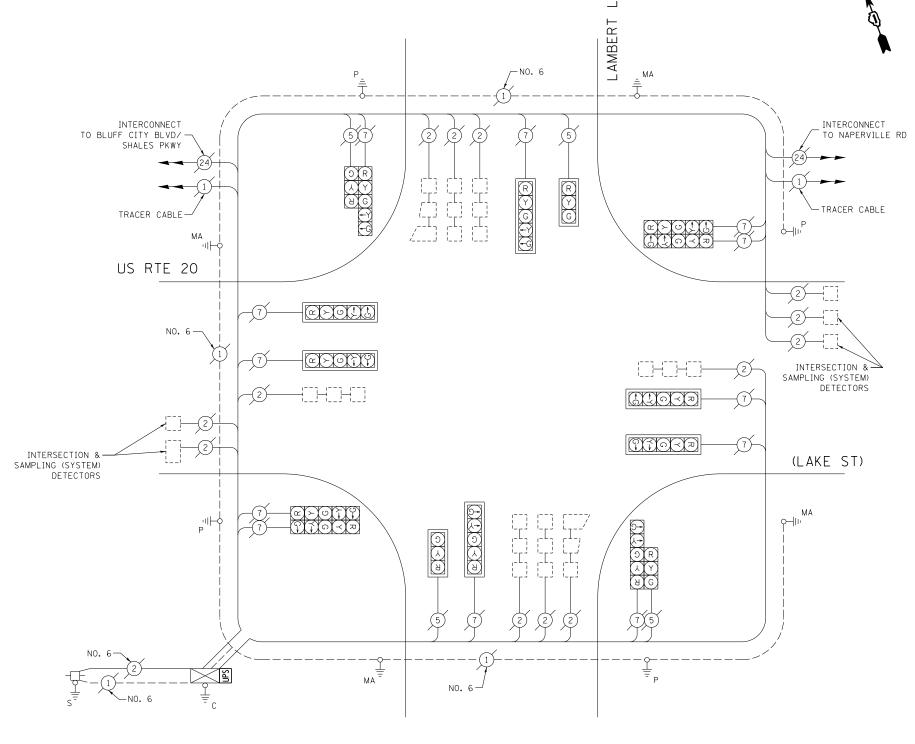
	I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS									
		NO. OF	WATTA	GE		WATTAGE				
TYPE		LAMPS	INCAND.	LED	% OPERATION					
SIGNAL	(RED)	16		17	0.50	136.0				
(YELLOW)		16		25 0.25		100.0				
(G	REEN)	16		15	0.25	60.0				
ARROW		24		12	0.10	28.8				
PED. SIG	NAL	-		25	1.00	-				
CONTROL	LER	1		100	1.00	100.0				
ILLUM. S	IGN	-		25	0.05	-				
VIDEO SY	rstem	-		150	1.00	-				
FLASHER					0.50					
ENERGY (	COSTS	TO:			TOTAL =	424.8				

CITY OF ELGIN 150 DEXTER COURT ELGIN. IL 60120

ENERGY SUPPLY: CONTACT: JOE STACHO

PHONE: (630) 424-5704

COMPANY: COMMONWEALTH EDISON



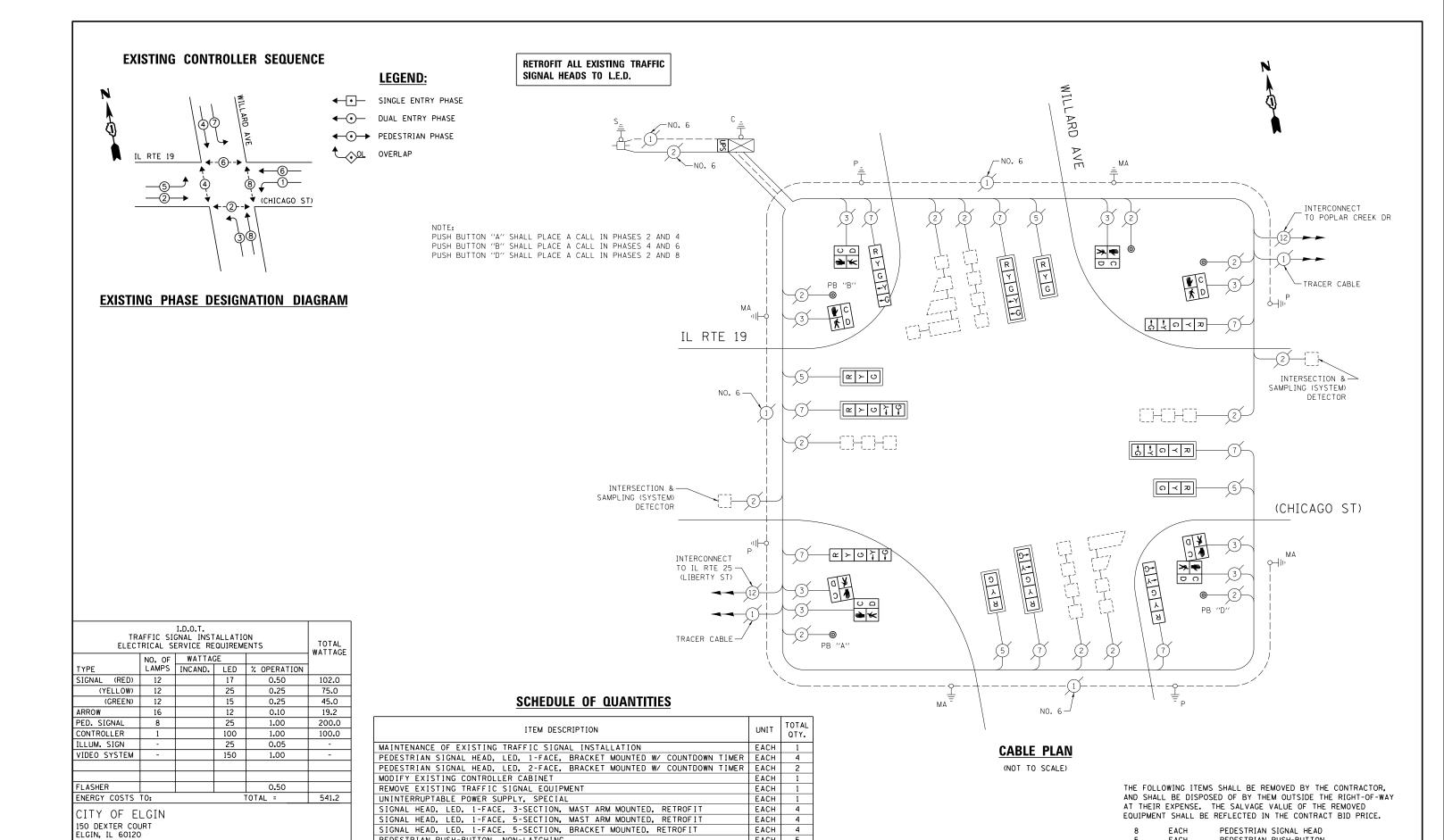
#### **CABLE PLAN**

(NOT TO SCALE)

#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -						NATION D		F.A.	SECTION	COUNTY	TOTAL SHEET
c:\pw_work\pwidot\pociec	nal\d0381174\D122314-sht-ts5.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS					QUANTITIE			2014-008TS	соок	81 20
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	US RTE 20 (LAKE ST) AT LAMBERT LN							T NO. 60X83		
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED.	AID PROJECT					



COMPANY: COMMONWEALTH EDISON TS 13440 CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES USER NAME = pociecha DESIGNED -REVISED SECTION COUNTY STATE OF ILLINOIS c:\pw\_work\pwidot\pociechal\dØ381174\D122314-sht-ts5.dgn DRAWN - IP REVISED 2014-008TS COOK 81 21 IL RTE 19 (CHICAGO ST) AT WILLARD AVE PLOT SCALE = 40.0000 '/ in. CHECKED -AW / LP REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60X83 PLOT DATE = 5/16/2014 SCALE: SHEETS STA. DATE 5/15/2014 REVISED SHEET OF

EACH

EACH

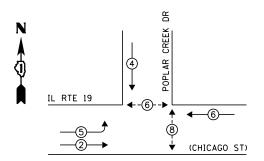
PEDESTRIAN PUSH-BUTTON

PEDESTRIAN PUSH-BUTTON, NON-LATCHING

ENERGY SUPPLY: CONTACT: JOE STACHO

PHONE: (630) 424-5704





#### LEGEND:

**★** SINGLE ENTRY PHASE **◆** DUAL ENTRY PHASE **◆**(\*) → PEDESTRIAN PHASE OL OVERLAP

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

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

#### **EXISTING PHASE DESIGNATION DIAGRAM**

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS											
		NO. OF	WATTA	GE		WATTAGE					
TYPE		LAMPS	INCAND.	LED	% OPERATION						
SIGNAL	(RED)	9		17	0.50	76.5					
(Y	ELLOW)	9		25	0.25	56.25					
(	GREEN)	9		15 0 <b>.</b> 25		33.75					
ARROW		4		12	0.10	4.8					
PED. SI	GNAL	4		25	1.00	100.0					
CONTROL	LLER	1		100	1.00	100.0					
ILLUM.	SIGN	-		25	0.05	-					
VIDEO S	SYSTEM	-		150	1.00	-					
FLASHEF	₹				0.50						
ENERGY	COSTS	TO:		•	TOTAL =	371.3					

CITY OF ELGIN 150 DEXTER COURT ELGIN. IL 60120

ENERGY SUPPLY: CONTACT: JOE STACHO

PHONE: (630) 424-5704

COMPANY: COMMONWEALTH EDISON

### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	3

#### **CABLE PLAN**

(NOT TO SCALE)

NO. 6-

R

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

EACH EACH PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

TS 742

INTERCONNECT TO SHALES PKWY

TRACER CABLE

(CHICAGO ST)

PB "C"

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Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE	: SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED.	AID PROJECT		
	PLOT SCALE = 40.0000 '/ in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION		IL RTE 19 (CHICAGO ST) AT POPLAR CREEK DR						CONTRAC	T NO. 60	)X83
or ipilization in ipilizati iposteorial iosociti i iosizi	2314-sht-ts5.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS			SCHED				2014-008TS	СООК	81	22
FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -					E DESIGNATION	F.A. RTE.	SECTION	COUNTY	SHEETS	SHEET NO.	

MA

IL RTE 19

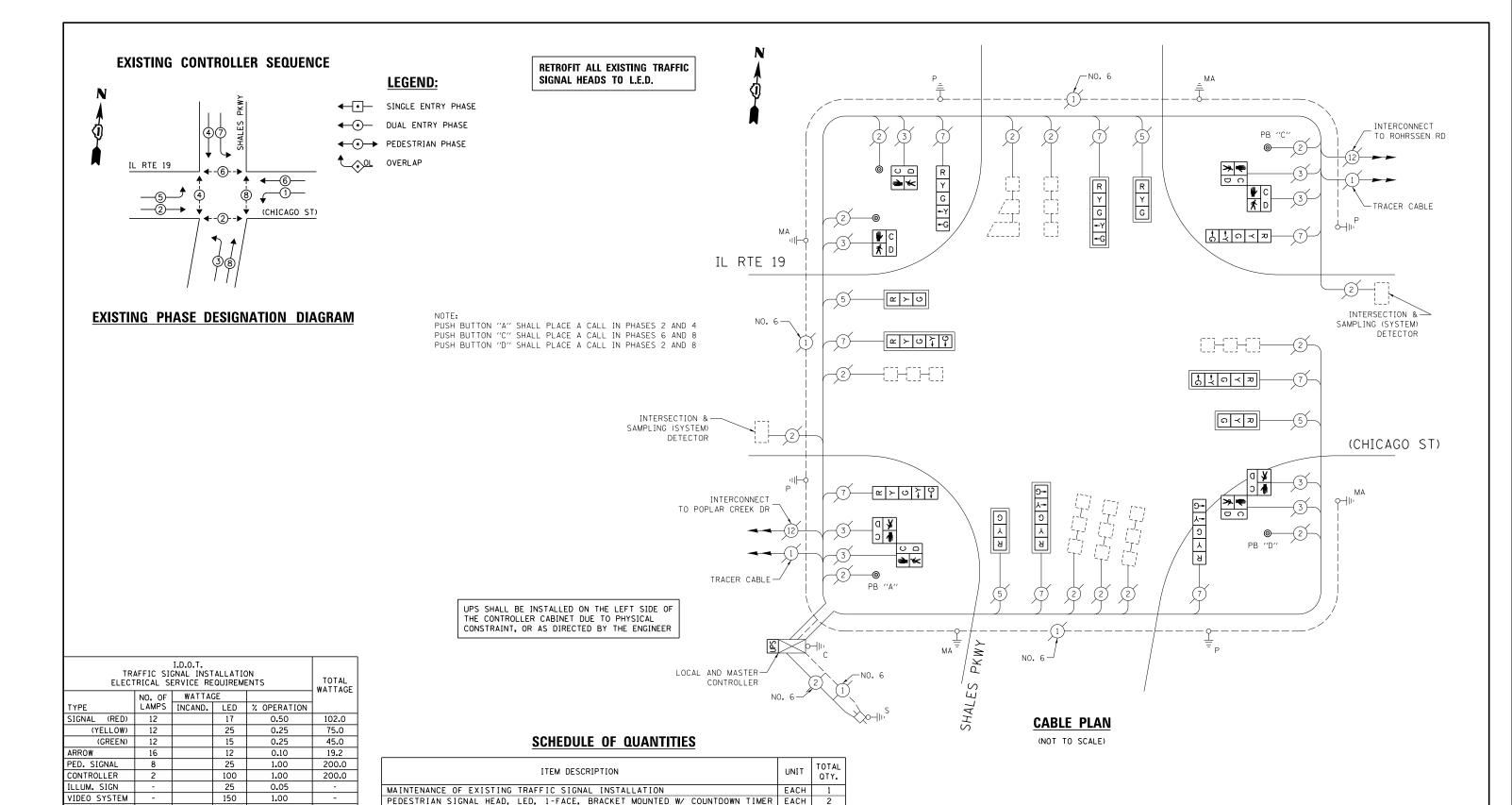
INTERCONNECT TO WILLARD AVE

TRACER CABLE-

NO. 6-

**2** ≻ 0

MA =



CITY OF ELGIN 150 DEXTER COURT ELGIN, IL 60120

ENERGY SUPPLY: CONTACT: JOE STACHO

ENERGY COSTS TO:

FLASHER

PHONE: (630) 424-5704

COMPANY: COMMONWEALTH EDISON

0.50

TOTAL =

NAME =	USER NAME = pociechal	DESIGNED -	IP	REVISED -
w_work\pwidot\pociechal\d0381174\D12	2314-sht-ts5.dgn	DRAWN -	IP	REVISED -
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	AW / LP	REVISED -
oult	PLOT DATE = 5/16/2014	DATE -	5/15/2014	REVISED -

641.2

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

EACH

EACH

EACH

EACH

EACH

EACH

EACH

EACH

3

4

4

4

SCALE:

PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER

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

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

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

MODIFY EXISTING CONTROLLER CABINET

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

UNINTERRUPTABLE POWER SUPPLY, SPECIAL

PEDESTRIAN PUSH-BUTTON, NON-LATCHING

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES IL RTE 19 (CHICAGO ST) AT SHALES PKWY SHEETS STA. SHEET OF

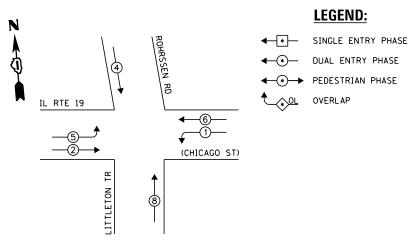
SECTION COUNTY 2014-008TS COOK 81 23 CONTRACT NO. 60X83

EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE. PEDESTRIAN SIGNAL HEAD FACH

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

EACH PEDESTRIAN PUSH-BUTTON



**EXISTING PHASE DESIGNATION DIAGRAM** 

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS							
NO. OF	WATTA	GE		WATTAGE			
LAMPS	INCAND.	LED	% OPERATION				
12		17	0.50	102.0			
12		25	0.25	75.0			
12		15	0.25	45.0			
8		12	0.10	9.6			
-		25	1.00	-			
1		100	1.00	100.0			
		25	0.05	-			
-		150	1.00	-			
			0.50				
T0:			TOTAL =	331.6			
	NO. OF LAMPS 12 12 12 12 8 -	AFFIC SIGNAL INSTRICAL SERVICE RE NO. OF WATTAI LAMPS INCAND.  12 12 12 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 12	AFFIC SIGNAL INSTALLATION RICAL SERVICE REQUIREM  NO. OF LAMPS INCAND. LED  12 17  12 25  12 15  8 12  - 25  1 100  - 25  - 150	AFFIC SIGNAL INSTALLATION RICAL SERVICE RECUIREMENTS    NO. OF LAMPS			

CITY OF ELGIN 150 DEXTER COURT ELGIN, IL 60120

ENERGY SUPPLY: CONTACT: JOE STACHO

PHONE: (630) 424-5704

COMPANY: COMMONWEALTH EDISON

DESIGNED - IP REVISED - IP c:\pw\_work\pwidot\pociechal\d0381174\D122314-sht-ts5.dgn DRAWN REVISED PLOT SCALE = 40.0000 '/ in. CHECKED - AW / LP REVISED PLOT DATE = 5/16/2014 DATE 5/15/2014 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**  CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES IL RTE 19 (CHICAGO ST) AT ROHRSSEN RD /LITTLETON TR SHEET SHEETS STA. OF

COUNTY TOTAL SHEET NO.

COOK 81 24 SECTION 2014-008TS CONTRACT NO. 60X83

# **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.		
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		
MODIFY EXISTING CONTROLLER CABINET				
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	2		
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	6		
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	2		
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT	EACH	2		

<u></u> ∠ ∪ INTERSECTION &
SAMPLING (SYSTEM)
DETECTOR \$ **₹** 0 ≺ ₽

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ROHRSSEN

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R K INTERCONNECT TO SHALES PKWY

TR

LITTLETON

RYG

MΑ

IL RTE 19

TRACER CABLE -

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

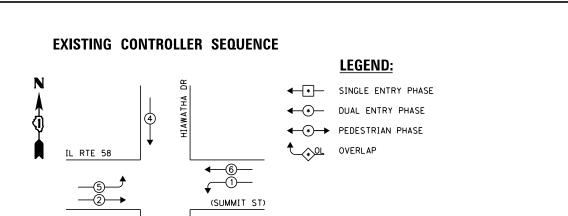
**CABLE PLAN** 

NO. 6-

(NOT TO SCALE)

TS 743

(CHICAGO ST)



### **EXISTING PHASE DESIGNATION DIAGRAM**

	I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS							
		NO. OF	WATTA	GE		WATTAGE		
TYPE		LAMPS	INCAND.	LED	% OPERATION			
SIGNAL	(RED)	14		17	0.50	119.0		
(Y	ELLOW)	14		25	0.25	87.5		
(	GREEN)	14		15	0.25	52 <b>.</b> 5		
ARROW		8		12	0.10	9.6		
PED. SI	GNAL	-		25	1.00	-		
CONTROL	LLER	2		100	1.00	200.0		
ILLUM.	SIGN	-		25	0.05	-		
VIDEO S	SYSTEM	-		150	1.00	-		
FLASHEF	₹				0.50			
ENERGY	COSTS	T0:		•	TOTAL =	468.6		

CITY OF ELGIN 150 DEXTER COURT ELGIN, IL 60120

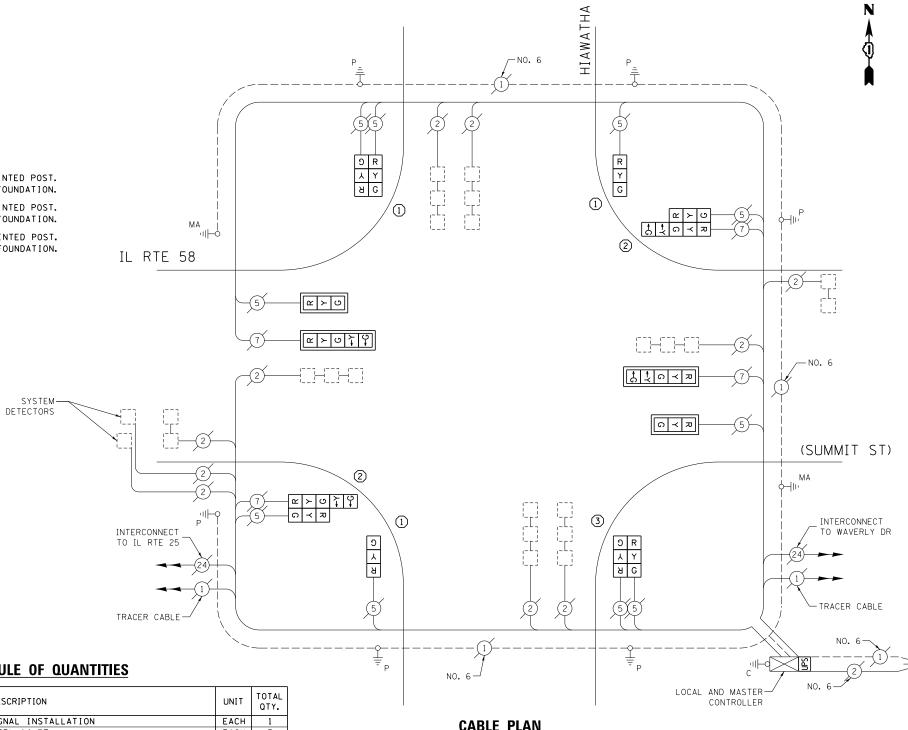
ENERGY SUPPLY: CONTACT: JOE STACHO PHONE: (630) 424-5704

COMPANY: COMMONWEALTH EDISON

REPLACE 14 FT PAINTED POST. RE-USE EXISTING FOUNDATION.

REPLACE 16 FT PAINTED POST. RE-USE EXISTING FOUNDATION.

REPLACE 18 FT PAINTED POST. RE-USE EXISTING FOUNDATION.



DR

#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	4
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
REMOVE AND REPLACE ANCHOR BOLTS	EACH	3

#### **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.

TRAFFIC SIGNAL POST FACH 3-SECTION SIGNAL HEAD 5-SECTION SIGNAL HEAD EACH 10 EACH EACH TRAFFIC SIGNAL BACKPLATE

FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -		C	CABLE PLAN	I, PHASE	E DESIG	NATION DI	IAGRAM,	F.A. RTE.	SECTION	COUNTY	TOTAL SHEET
c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-ts5.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS					QUANTITIES	S		2014-008TS	соок	81 25
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION		IL RTE 58	B (SUMI	MIT) AT	HIAWATHA	A DR				T NO. 60X83
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS	S STA.	TO STA.		ILLINOIS FED. A		



# IL RTE 58 (SUMMIT ST) 38

#### LEGEND:

**★** SINGLE ENTRY PHASE

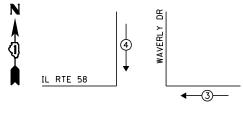
DUAL ENTRY PHASE

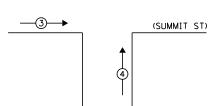
**◆**(\*) → PEDESTRIAN PHASE

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

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE





EXISTING EMERGE	NCY VEHICLE PR	REEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	<del></del>	I f

TR ELEC	TOTAL WATTAGE				
	NO. OF	WATTA	WATTAGE		
'PE	LAMPS	INCAND.	LED	% OPERATION	
GNAL (RED)	12		17	0.50	102.0
(YELLOW)	12		25	0.25	75.0
(GREEN)	12		15	0.25	45.0
ROW	16		12	0.10	19.2
	_				

(TELLOW)	12	25	0.25	15.0
(GREEN)	12	15	0.25	45.0
ARROW	16	12	0.10	19.2
PED. SIGNAL	8	25	1.00	200.0
CONTROLLER	1	100	1.00	100.0
ILLUM. SIGN	-	25	0.05	-
VIDEO SYSTEM	-	150	1.00	-
FLASHER			0.50	

CITY OF ELGIN 150 DEXTER COURT ELGIN, IL 60120

ENERGY SUPPLY: CONTACT: JOE STACHO

ENERGY COSTS TO:

PHONE: (630) 424-5704 COMPANY: COMMONWEALTH EDISON

EXISTING EMERGE	NCI VENICLE FI	KEEMIT TURS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	† †	

#### **SCHEDULE OF QUANTITIES**

INTERSECTION & SAMPLING (SYSTEM)

DETECTORS

ITEM DESCRIPTION						
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1				
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	4				
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2				
MODIFY EXISTING CONTROLLER CABINET	EACH	1				
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1				
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1				
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	6				

#### **CABLE PLAN**

(NOT TO SCALE)

NO. 6

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.

FACH EACH

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**>> €** 

PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

> TS 13286 COUNTY TOTAL SHEET NO.
>
> COOK 81 26

CONTRACT NO. 60X83

-INTERSECTION &

(SUMMIT ST)

MA

SAMPLING (SYSTEM) DETECTORS

FILE NAME =	USER NAME = pociechal	DESIGNED	-	IP	REVISED -
c:\pw_work\pwidot\pociechal\dØ381174\D12	314-sht-ts5.dgn	DRAWN	-	IP	REVISED -
	PLOT SCALE = 40.0000 ' / 10.	CHECKED	-	AW / LP	REVISED -
Default	PLOT DATE = 5/16/2014	DATE	-	5/15/2014	REVISED -

541.2

TOTAL =

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

∪ □ **★** 

PB "'A"

MΑ

IL RTE 58

INTERCONNECT TO HIAWATHA DR

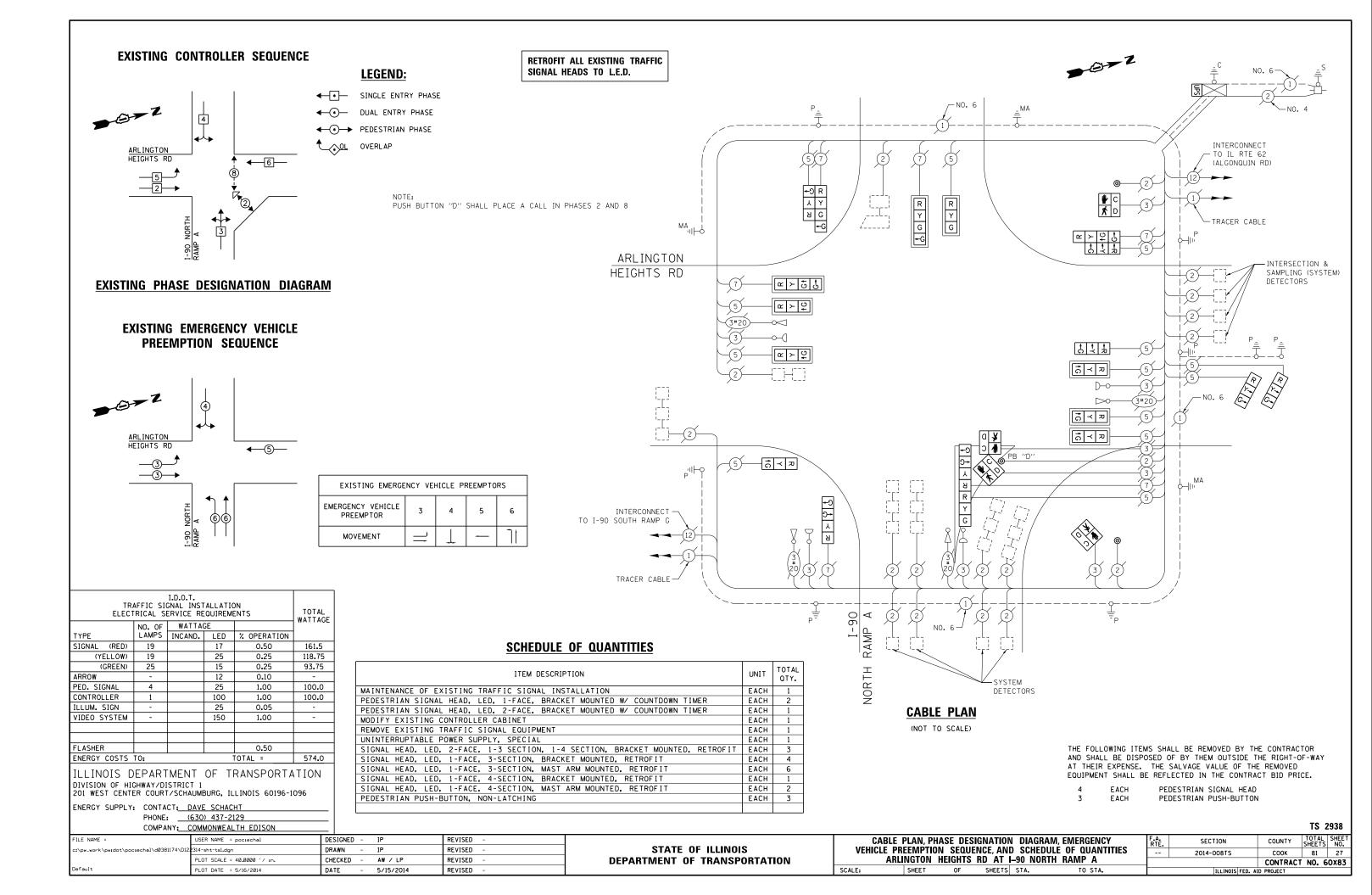
TRACER CABLE

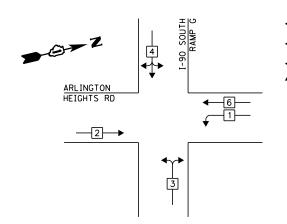
NO. 6-

					RAM, EMERGENCY	F.A. RTE.	SECTION
VEHICLE PR					DULE OF QUANTITIES		2014-008TS
	IL KIE	: 58 (SUI	VIMIT) AT	WAVE	ILY DK		
CALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.

DR

WAVERL





#### LEGEND:

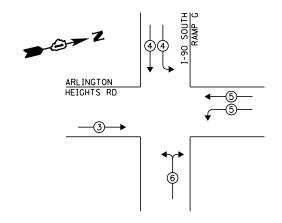
**★** SINGLE ENTRY PHASE **◆** DUAL ENTRY PHASE

◆ PEDESTRIAN PHASE

OVERLAP

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGE	NCY VE	HICLE PF	REEMPTO	RS				
EMERGENCY VEHICLE REEMPTOR 3 4 5 6								
MOVEMENT	_			T				

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS									
	NO. OF	WATTA	GE		WATTAGE				
TYPE	LAMPS	INCAND.	LED	% OPERATION					
SIGNAL (RED)	19		17	0.50	161.5				
(YELLOW)	19		25	0.25	118.75				
(GREEN)	26		15	0.25	97.5				
ARROW	-		12	0.10	-				
PED. SIGNAL	-		25	1.00	-				
CONTROLLER	1		100	1.00	100.0				
ILLUM. SIGN	-		25	0.05	-				
VIDEO SYSTEM	-		150	1.00	-				
FLASHER				0.50					
ENERGY COSTS	TO:			TOTAL =	477.75				

ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129 COMPANY: COMMONWEALTH EDISON

EXISTING EMERGENCY VEHICLE PREEMPTORS							
EMERGENCY VEHICLE PREEMPTOR	3	4	5	9			
MOVEMENT		Ш		T			

#### **SCHEDULE OF QUANTITIES**

INTERSECTION & -SAMPLING (SYSTEM) DETECTORS

INTERCONNECT TO NORTHWEST

TRACER CABLE-

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

MA<sup>□</sup>III—Ò

ITEM DESCRIPTION	UNIT	TOTAL QTY.		
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		
MODIFY EXISTING CONTROLLER CABINET	EACH	1		
UNINTERRUPTABLE POWER SUPPLY, SPECIAL				
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED, RETROFIT	EACH	3		
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	4		
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	5		
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1		
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	3		

### **CABLE PLAN**

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(NOT TO SCALE)

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R Y +G G+

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I-90 SOUTH RAMP

~ 노호 a ≻ 5

<u>α ≻ 5</u> 477

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

ARLINGTON

HEIGHTS RD

INTERCONNECT TO I-90 NORTH RAMP A

TRACER CABLE

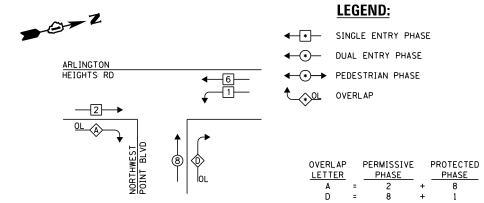
#### TS 2939

COUNTY TOTAL SHEETS NO.

COOK 81 28 CONTRACT NO. 60X83

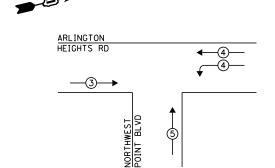
FILE NAME =	USER NAME = pociechal	DESIGNED -	IP	REVISED -		CABLI	E PLAN, PH	ASE DESI	IGNATION D	DIAGRAM, EMERGENCY	F.A. RTE.	SECTION
c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-tsl.dgn	DRAWN -	IP	REVISED -	STATE OF ILLINOIS	VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES			2014-008TS			
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	Al	RLINGTON I	HEIGHTS	RD AT I-90	O SOUTH RAMP G		
Default	PLOT DATE = 5/16/2014	DATE -	5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS ST	TA. TO STA.		ILLINOIS FED. AI





#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



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

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS										
	NO. OF	WATTA	GE		WATTAGE					
TYPE	LAMPS	INCAND.	LED	% OPERATION						
SIGNAL (RED)	14		17	0.50	119.0					
(YELLOW)	14		25	0.25	87.5					
(GREEN)	14		15	0.25	52 <b>.</b> 5					
ARROW	4		12	0.10	4.8					
PED. SIGNAL	-		25	1.00	-					
CONTROLLER	1		100	1.00	100.0					
ILLUM. SIGN	-		25	0.05	-					
VIDEO SYSTEM	-		150	1.00	-					
FLASHER				0.50						
ENERGY COSTS	TOTAL =	363.8								

ELK GROVE VILLAGE 901 WELLINGTON AVE ELK GROVE VILLAGE, IL 60007

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMMONWEALTH EDISON

# **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION					
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			
MODIFY EXISTING CONTROLLER CABINET	EACH	1			
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1			
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT	EACH	1			
SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1			
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	3			
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	5			
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	1			

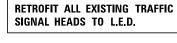
RETROFIT ALL EXISTING TRAFFIC SIGNAL HEADS TO L.E.D.

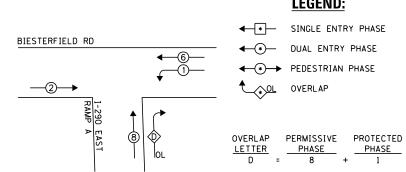
,	P	NO. 6	P <u>=</u>	P =	
	(5) R +)		5 3 3 3 20 R + Y + G	5 5 5 R Y++ G+	
MA <sub>III</sub> L.	<del>-</del> -C		+0	α ≻ ∪ Ω ≺ π	
HEIGHTS RD	5				
					NO. 6  3 1 3 7
INTERCONNECT TO BENNETT RD  12  TRACER CABLE	5			R Y+ G+	INTERCONNECT TO 1-90 SOUTH RAMP G
NO. 2  NO. 2  NO. 6	, , , , , , , , , , , , , , , , , , ,	NO. 6	<u> </u>		TRACER CABLE
TITIES	F C C	CAB (NOT	LE PLAN TO SCALE)		

FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -		CABLE	PLAN, PH	IASE DES	SIGNATION	DIAGRAM, EI	MERGENCY	F.A.	SECTION	COUNTY	TOTAL SHEET
c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-tsl.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES					2014-008TS	соок	81 29			
	PLOT SCALE = 40.0000 ' / 10.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	ARLI	ARLINGTON HEIGHTS RD AT NORTHWEST POINT RD					NO. 60X83			
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS S	STA.	TO STA.		ILLINOIS FED. A	AID PROJECT	



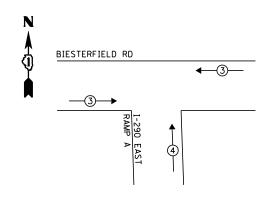
# **LEGEND: ★** SINGLE ENTRY PHASE **◆**DUAL ENTRY PHASE ◆ PEDESTRIAN PHASE





#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGE	NCY VEHICLE P	REEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	=	

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SYSTEM	5	<u> </u>				2	SYSTEM DETECTORS
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	P <sup>III</sup>	a     y       c     √       x </th <th>1</th> <th></th> <th></th> <th>↓ III MA</th> <th></th>	1			↓ III MA	
INTERCONNE TO I-290 WEST RA	ECT /				R	IN _ IN	TERCONNECT ) BIESNER RD
-	24				R   Y+   G+	12	<del></del>
-	1)				T		<del></del>
TRACER CA	BLE			2 2	5		AOED OADLE
							ACER CABLE
			I-290 EAST	(2) (2)		c'III	
			1-290 EAST	NO. 6—	,	No. 6	
			RAMP	11			
					— SYSTEM DETECTORS		NO. 6
			$\triangleright$	CABLE PLAN			
JLE OF QUANTITIES				(NOT TO SCALE)		<del>-</del>	
JLL OI QUANTITIES						₹s	
SCRIPTION		LINIT TOTAL					

#### NO. OF WATTAGE INCAND. LED % OPERATION SIGNAL (RED) 13 110.5 0.50 17 (YELLOW) 13 25 0.25 81.25 13 0.25 15 48.75

TOTAL =

TOTAL WATTAGE

345.3

(GREEN) ARROW 12 0.10 4.8 PED. SIGNAL 25 1.00 CONTROLLER 1.00 100.0 100 ILLUM. SIGN 25 0.05 VIDEO SYSTEM 150 1.00 FLASHER 0.50

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

ENERGY SUPPLY: CONTACT: DAVE SCHACHT PHONE: (630) 437-2129

ENERGY COSTS TO:

DIVISION OF HIGHWAY/DISTRICT 1 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

COMPANY: COMMONWEALTH EDISON

#### **SCHEDUL**

TOTAL QTY. ITEM DESCRIPTION MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION FACH 1 TRANSCEIVER - FIBER OPTIC EACH INDUCTIVE LOOP DETECTOR EACH 11 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1 FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL EACH 1 UNINTERRUPTABLE POWER SUPPLY, SPECIAL EACH 1 SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT EACH SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT EACH 1 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT EACH 3 SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT EACH

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

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

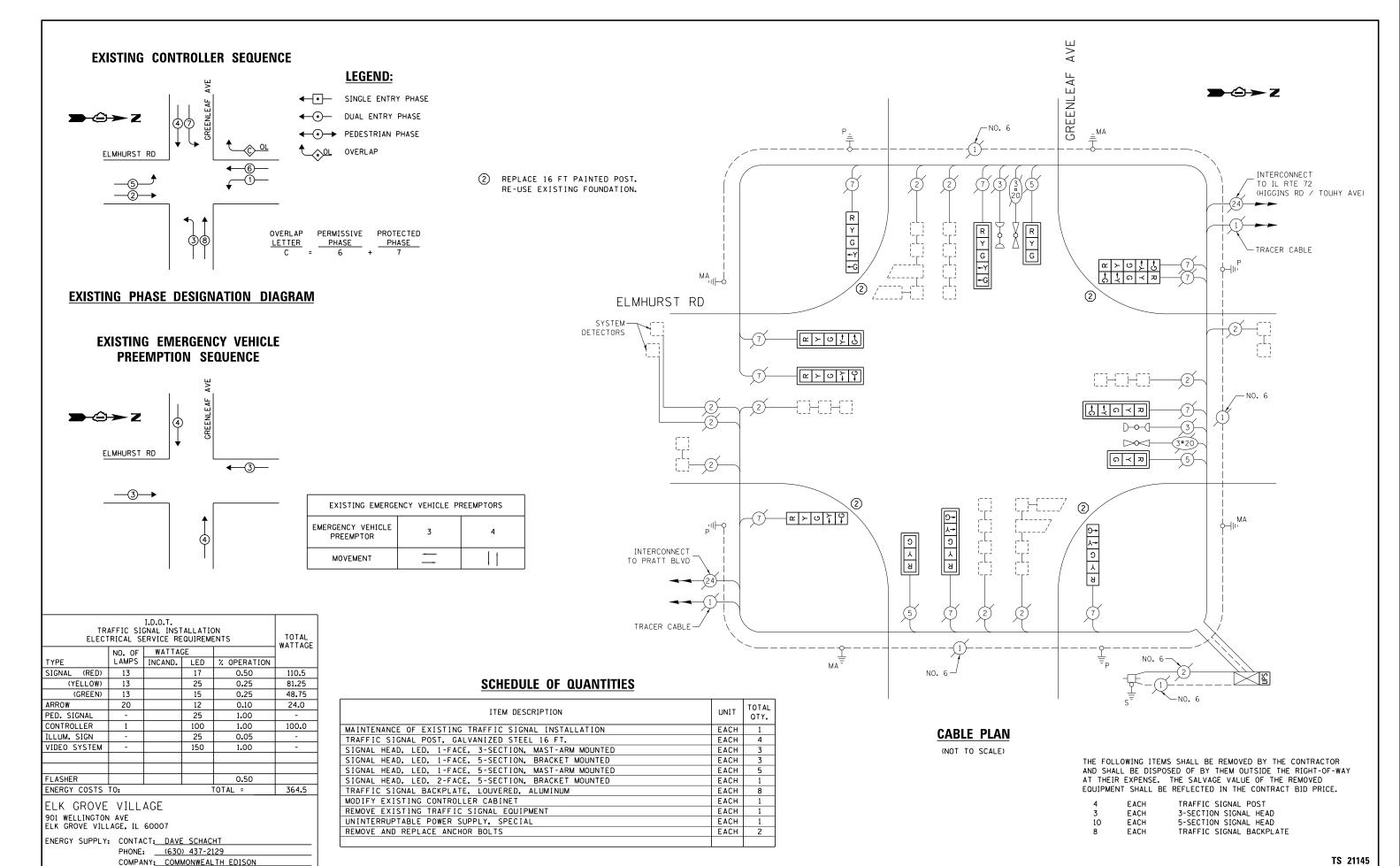
CONTROLLER AND CABINET (COMPLETE)

TS 20610

	FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -		
	c:\pw_work\pwidot\pociechal\d0381174\D12	314-sht-tsl.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS	
		PLOT SCALE = 40.0000 ' / in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	
	Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCA
-						

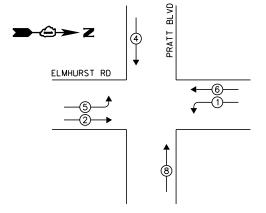
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES BIESTERFIELD RD AT I-290 EISENHOWER EXPY EAST RAMP A OF SHEETS STA. SHEET

SECTION COUNTY 2014-008TS COOK 81 30 CONTRACT NO. 60X83



	FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -		CABL	.E PLAN, PH.	ASE DES	IGNATION DIAGRA	M, EMERGENCY	F.A.	SECTION	COUNTY	SHEETS	SHEET
	c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-tsl.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS	VEHICLE				ILE OF QUANTITIES		2014-008TS	соок	81	31
		PLOT SCALE = 40.0000 ' / in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION		ELMH	iurst ri	D AT GREENLEAF A	AVE			CONTRAC	CT NO. 60	0x83
	Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED.	AID PROJECT		
_															

#### LEGEND:

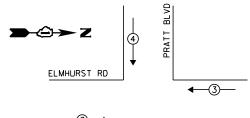


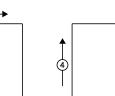
**★** SINGLE ENTRY PHASE **◆** DUAL ENTRY PHASE ◆ PEDESTRIAN PHASE OVERLAP OVERLAP

- REPLACE 14 FT PAINTED POST. RE-USE EXISTING FOUNDATION.
- REPLACE 16 FT PAINTED POST. RE-USE EXISTING FOUNDATION.

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE





EXISTING EMERGE	NCY VEHICLE P	REEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	<del>-</del>	↓ †

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS									
NO. OF	WATTA	GE		WATTAGE					
LAMPS	INCAND.	LED	% OPERATION						
14		17	0.50	119.0					
14		25	0.25	87.5					
14		15	0.25	52.5					
8		12	0.10	9.6					
-		25	1.00	-					
1		100	1.00	100.0					
-		25	0.05	-					
-		150	1.00	-					
			0.50						
TO:			TOTAL =	368.6					
	NO. OF LAMPS 14 14 14 8 	AFFIC SIGNAL INSTRICAL SERVICE RE NO. OF WATTAI LAMPS INCAND. 14 14 14 14 11 14 11 11 11 11 11 11 11	AFFIC SIGNAL INSTALLATION RICAL SERVICE REQUIREM  NO. OF LAMPS INCAND. LED  14 17  14 25  14 15  8 12  - 25  1 100  - 25  - 150	AFFIC SIGNAL INSTALLATION RICAL SERVICE REQUIREMENTS  NO. OF LAMPS INCAND. LED % OPERATION 14 17 0.50 14 25 0.25 14 15 0.25 8 12 0.10 - 25 1.00 1 100 1.00 - 25 0.05 - 150 1.00					

ELK GROVE VILLAGE 901 WELLINGTON AVE ELK GROVE VILLAGE, IL 60007

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129

COMPANY: COMMONWEALTH EDISON

EXISTING EMERGENCY VEHICLE PREEMPTORS							
EMERGENCY VEHICLE PREEMPTOR	3	4					
MOVEMENT	<del>-</del>	11					

## **SCHEDULE OF QUANTITIES**

<u> </u>		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
REMOVE AND REPLACE ANCHOR BOLTS	EACH	2

BLVD **>**2 **>** Z PRATT \_MA - INTERCONNECT TO GREENLEAF AVE TRACER CABLE ма п-ELMHURST RD <u>අ</u> ≻ ග — NO. 6 <u>†</u> † ∪ ≺ ¤ D>0< ର ≺ ଅ - R > O 7 9 INTERCONNECT TO DEVON AVE TRACER CABLE-MA≡ **CABLE PLAN** (NOT TO SCALE)

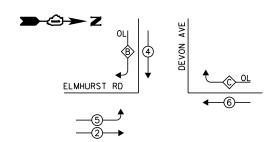
SCALE:

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.

TRAFFIC SIGNAL POST FACH 3-SECTION SIGNAL HEAD 5-SECTION SIGNAL HEAD EACH 10 EACH EACH TRAFFIC SIGNAL BACKPLATE

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c:\pw_work\pwidot\pociechal\d0381174\D12	314-sht-tsl.dgn	DRAWN -	IP	REVISED -	STATE OF ILLINOIS
	PLOT SCALE = 40.0000 ' / 10.	CHECKED -	AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION
Default	PLOT DATE = 5/16/2014	DATE -	5/15/2014	REVISED -	

					GRAM, EMERGENCY	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	
VEHICLE PR	VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES						2014-008TS	COOK	81	32
	ELIVI	HUKSI	RD AT P	KAII	RLAN			CONTRACT	NO. (	50X83
ΔI F•	SHEET	OF	SHEETS	STA.	TO STA		THE INOIS SED AT	D DDO IECT		



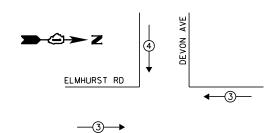
#### LEGEND:

**★** SINGLE ENTRY PHASE **◆**■ DUAL ENTRY PHASE **◆**(\*) → PEDESTRIAN PHASE

OVERLAP PERMISSIVE PROTECTED LETTER \_\_PHASE

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGE	NCY VEHICLE PR	REEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	<del>-</del>	

	I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS									
	NO. OF	WATTA	GE		WATTAGE					
TYPE	LAMPS	INCAND.	LED	% OPERATION						
SIGNAL (RED)	12		17	0.50	102.0					
(YELLOW)	12		25	0.25	75.0					
(GREEN)	12		15	0.25	45.0					
ARROW	8		12	0.10	9.6					
PED. SIGNAL	-		25	1.00	-					
CONTROLLER	2		100	1.00	200.0					
ILLUM. SIGN	-		25	0.05	-					
VIDEO SYSTEM	-		150	1.00	-					
FLASHER				0.50						
ENERGY COSTS	TO:			TOTAL =	431.6					

ELK GROVE VILLAGE 901 WELLINGTON AVE ELK GROVE VILLAGE, IL 60007

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129

COMPANY: COMMONWEALTH EDISON

#### REPLACE 14 FT PAINTED POST. RE-USE EXISTING FOUNDATION.

REPLACE 16 FT PAINTED POST. RE-USE EXISTING FOUNDATION.

## $\mathsf{AVE}$ DEVON -LOCAL AND MASTER CONTROLLER С<del>-</del> К-MA<sub>□I</sub> ELMHURST RD **2** ≻ 0 D-0-( SYSTEM $\triangleright \infty$ DETECTORS ର ≺ ଅ 1 1 5<del>-</del> 사 생 INTERCONNECT TO PRATT BLVD TRACER CABLE

**>**2 **>** Z

#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION				
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	3		
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1		
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2		
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3		
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED				
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1		
SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	4		
MODIFY EXISTING CONTROLLER CABINET	EACH	1		
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		
UNINTERRUPTABLE POWER SUPPLY, SPECIAL				
REMOVE AND REPLACE ANCHOR BOLTS	EACH	2		

#### **CABLE PLAN**

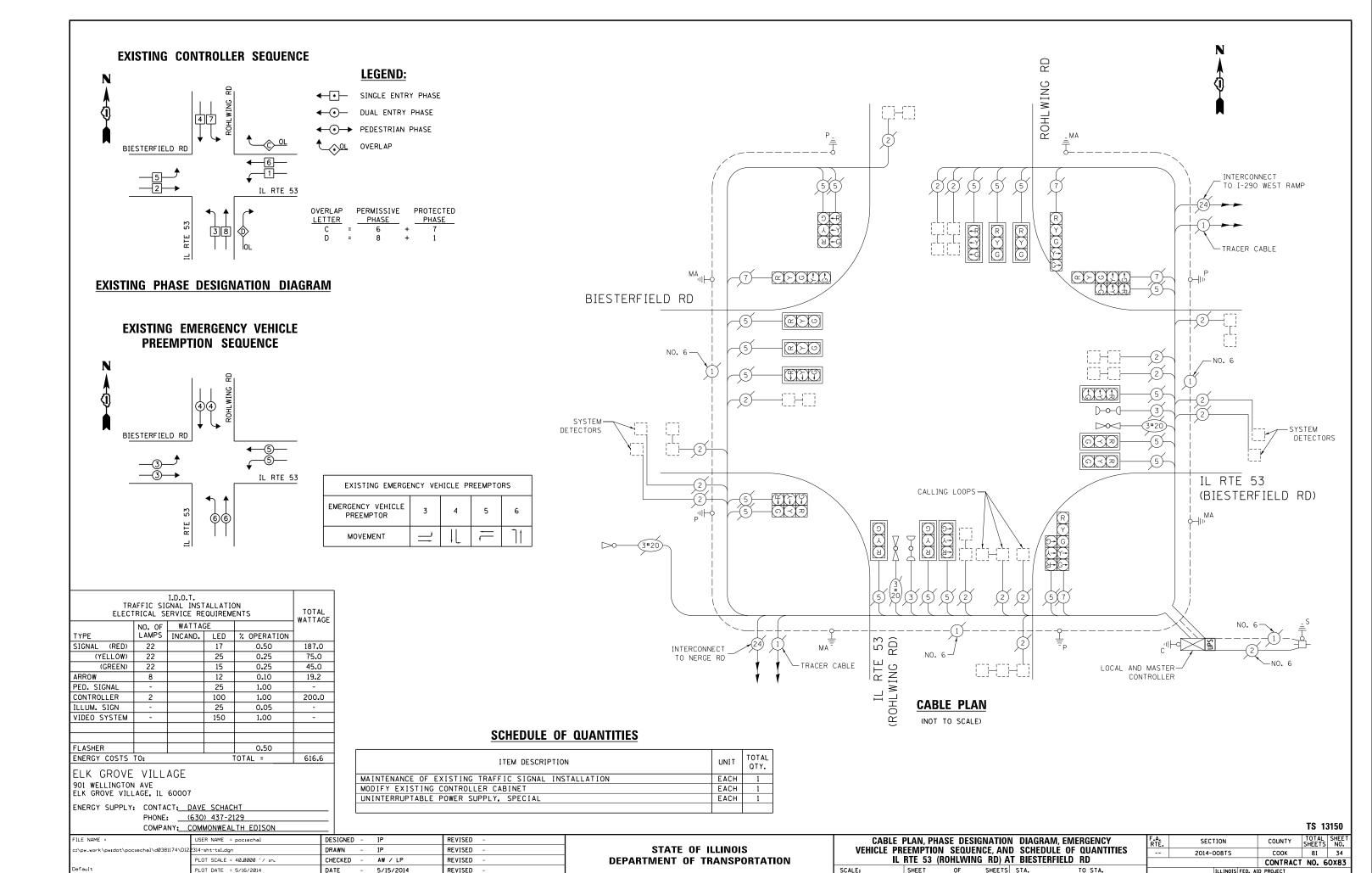
NO. 6-

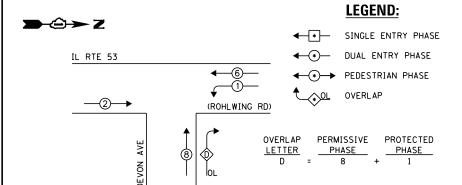
(NOT TO SCALE)

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.

TRAFFIC SIGNAL POST FACH 3-SECTION SIGNAL HEAD 5-SECTION SIGNAL HEAD EACH EACH EACH TRAFFIC SIGNAL BACKPLATE

FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -		CABLE PLA	AN, PHAS	SE DESIG	NATIO	, EMERGENCY	F.A.	SECTION	COUNTY	TOTAL SHEET	
c:\pw_work\pwidot\pociechal\dØ381174\DI	22314-sht-tsl.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS	VEHICLE PREEN				E OF QUANTITIES		2014-008TS	соок	81 33	
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION		ELMH	iurst ri	D AT	DEVON AVE				CONTRAC	CT NO. 60X83
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE: SHE	HEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT	





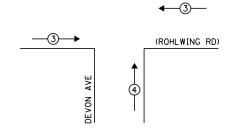
#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE

- REPLACE 14 FT PAINTED POST. RE-USE EXISTING FOUNDATION.
- REPLACE 16 FT PAINTED POST. RE-USE EXISTING FOUNDATION.

#### **→**

IL RTE 53



EXISTING EMERGENCY VEHICLE PREEMPTORS								
EMERGENCY VEHICLE PREEMPTOR	3	4						
MOVEMENT	<b>←</b>							

#### I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS TOTAL WATTAGE NO. OF WATTAGE INCAND. LED % OPERATION SIGNAL (RED) 0.50 76.5 17 (YELLOW) 25 0.25 56.25 (GREEN) 9 0.25 33.75 15 ARROW 12 0.10 9.6 PED. SIGNAL 25 1.00 CONTROLLER 100 1.00 100.0 ILLUM. SIGN 25 0.05 VIDEO SYSTEM 150 1.00 FLASHER 0.50 276.1 ENERGY COSTS TO: TOTAL =

ELK GROVE VILLAGE 901 WELLINGTON AVE ELK GROVE VILLAGE, IL 60007

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129 COMPANY: COMMONWEALTH EDISON

## **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
REMOVE AND REPLACE ANCHOR BOLTS	EACH	2

## **→** \_NO. 6 INTERCONNECT TO NERGE RD Y G Y+ MA<sub>□I</sub>⊢o -TRACER CABLE ର ≺ ଅ-IL RTE 53 1 1)---(1 R > 0 \ \ \ — NO. 6 (ROHLWING RD) 2 - R > O \ P ର ≺ ଅ-NO. 6 INTERCONNECT -TRACER CABLE DEVON TO NERGE RD

**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.

TRAFFIC SIGNAL POST 3-SECTION SIGNAL HEAD 5-SECTION SIGNAL HEAD EACH EACH TRAFFIC SIGNAL BACKPLATE EACH

FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -		CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY						F.A. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
c:\pw_work\pwidot\pociechal\d0381174\D12			REVISED -	STATE OF ILLINOIS	VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES						2014-008TS	СООК	81	35	
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 53 (ROHLWING RD) AT DEVON AVE								CONTRAC	T NO. F	0x83ء
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.							ILLINOIS FED. A	D PROJECT		

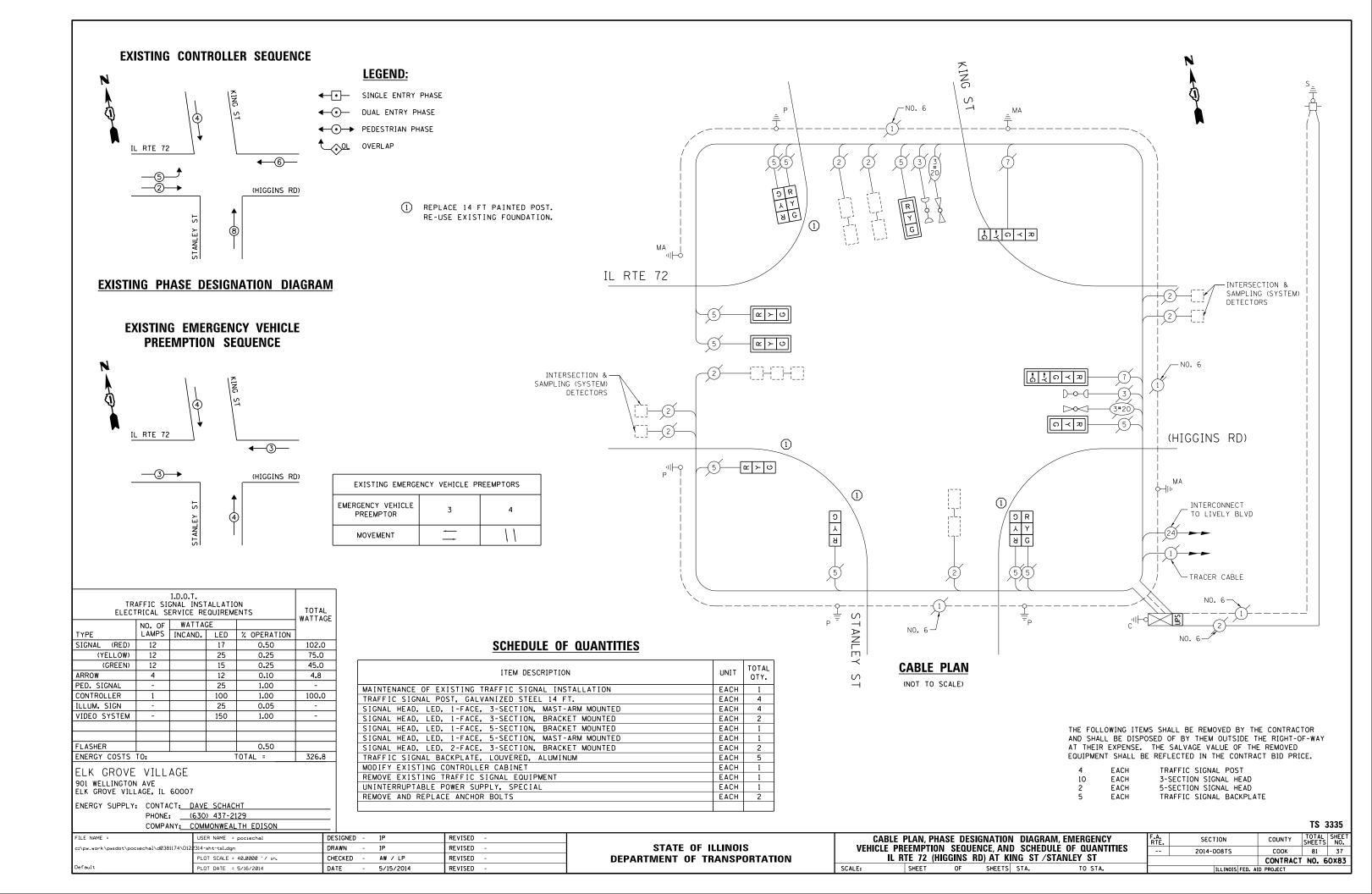
#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	3

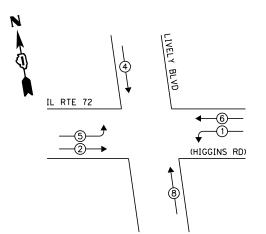
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EOUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

3 EACH PEDESTRIAN PUSH-BUTTON

FILE NAME =	USER NAME = pociechal	DESIGNED -	IP	REVISED -				CHEDULE	- OE O	F.A.	SECTION	COUNTY	TOTAL		ΞEΤ IO		
c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-tsl.dgn	DRAWN -	IP	REVISED -	STATE OF ILLINOIS	II D1					HEIGHTS RD		2014-008TS	соок	81	3	36
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	IL N	1L /2 (IIIG	Idiivə ne	η AI A	n Liiva i Oiv	IILIGIII3 ND			CONTRAC	T NO.	60X1	83
Default	PLOT DATE = 5/16/2014	DATE -	5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEET	S STA.	TO STA.		ILLINOIS FED	AID PROJECT			-







#### LEGEND:

**★** SINGLE ENTRY PHASE **◆**■ DUAL ENTRY PHASE ◆ PEDESTRIAN PHASE

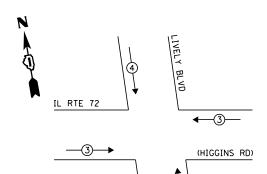
OVERLAP OVERLAP

REPLACE 16 FT PAINTED POST.

RE-USE EXISTING FOUNDATION.

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGE	NCY VEHICLE PE	REEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	=	11

	TR. ELECT		TOTAL WATTAGE			
		NO. OF	WATTA	GE		MATTAGE
TYPE		LAMPS	INCAND.	LED	% OPERATION	
SIGNAL	(RED)	13		17	0.50	110.5
(YELLOW)		13		25	0.25	81.25
(GREEN)		13		15	0.25	48.75
ARROW		8		12	0.10	9.6
PED. SIG	GNAL	-		25	1.00	-
CONTROL	ROLLER 1			100 1.00		100.0
ILLUM.	SIGN	-		25	0.05	-
VIDEO S	YSTEM	-		150	1.00	-
FLASHER	1				0.50	
ENERGY	COSTS	TO:	•		TOTAL =	350.1

ELK GROVE VILLAGE 901 WELLINGTON AVE ELK GROVE VILLAGE, IL 60007

ENERGY SUPPLY: CONTACT: DAVE SCHACHT PHONE: (630) 437-2129

COMPANY: COMMONWEALTH EDISON

27101110 21121102		
RGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	<del>-</del>	11

#### **SCHEDULE OF QUANTITIES**

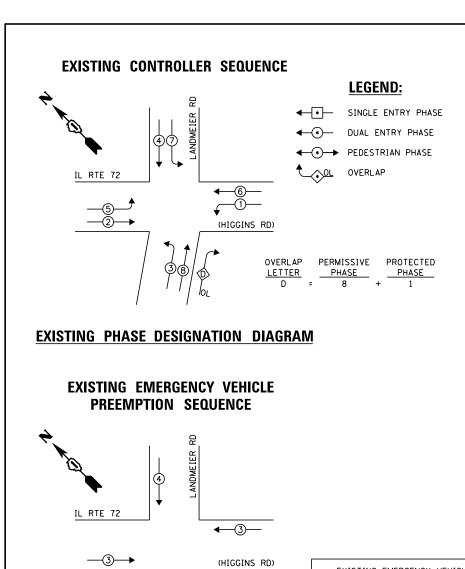
LITTA DECEDIRATION	TOTAL
ITEM DESCRIPTION UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED EACH	2
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED EACH	2
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM EACH	2
MODIFY EXISTING CONTROLLER CABINET EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL EACH	1
REMOVE AND REPLACE ANCHOR BOLTS EACH	1

LIVELY BLVD MA<sub>II</sub> IL RTE 72 (HIGGINS RD) INTERCONNECT INTERCONNECT TO KING ST / TO IL RTE 72 (OAKTON ST) STANLEY ST -TRACER CABLE TRACER CABLE **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.

TRAFFIC SIGNAL POST EACH 3-SECTION SIGNAL HEAD 5-SECTION SIGNAL HEAD EACH EACH EACH TRAFFIC SIGNAL BACKPLATE

FILE NAME =	USER NAME = pociechal	DESIGNED -	IP	REVISED -							EMERGENCY	F.A.	SECTION	COUNTY	TOTAL SHEET
c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-tsl.dgn	DRAWN -	IP	REVISED -	STATE OF ILLINOIS	VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES  IL RTE 72 (HIGGINS RD) AT LIVELY BLVD  SCALE: SHEET OF SHEETS STA. TO STA.			2014-008TS	СООК	81 38				
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRAC	T NO. 60X83				
Default	PLOT DATE = 5/16/2014	DATE -	5/15/2014	REVISED -					ILLINOIS FED. AI	PROJECT					



EXISTING EMERGE	EXISTING EMERGENCY VEHICLE PREEMPTORS									
EMERGENCY VEHICLE PREEMPTOR	3	4								
MOVEMENT	=	Į †								

	TOTAL WATTAGE					
		NO. OF	WATTA	GE		"ATTACE
TYPE		LAMPS	INCAND.	LED	% OPERATION	
SIGNAL	(RED)	17		17	0.50	144.5
(YELLOW)		17		25	0.25	106.25
(GREEN)		17		15	0.25	63.75
ARROW		20		12	0.10	24.0
PED. SIG	GNAL	-		25	1.00	-
CONTROL	LER.	1		100	1.00	100.0
ILLUM. S	SIGN	-		25	0.05	-
VIDEO S	YSTEM	-		150	1.00	-
FLASHER					0.50	
ENERGY	COSTS	TO:		-	TOTAL =	438.5

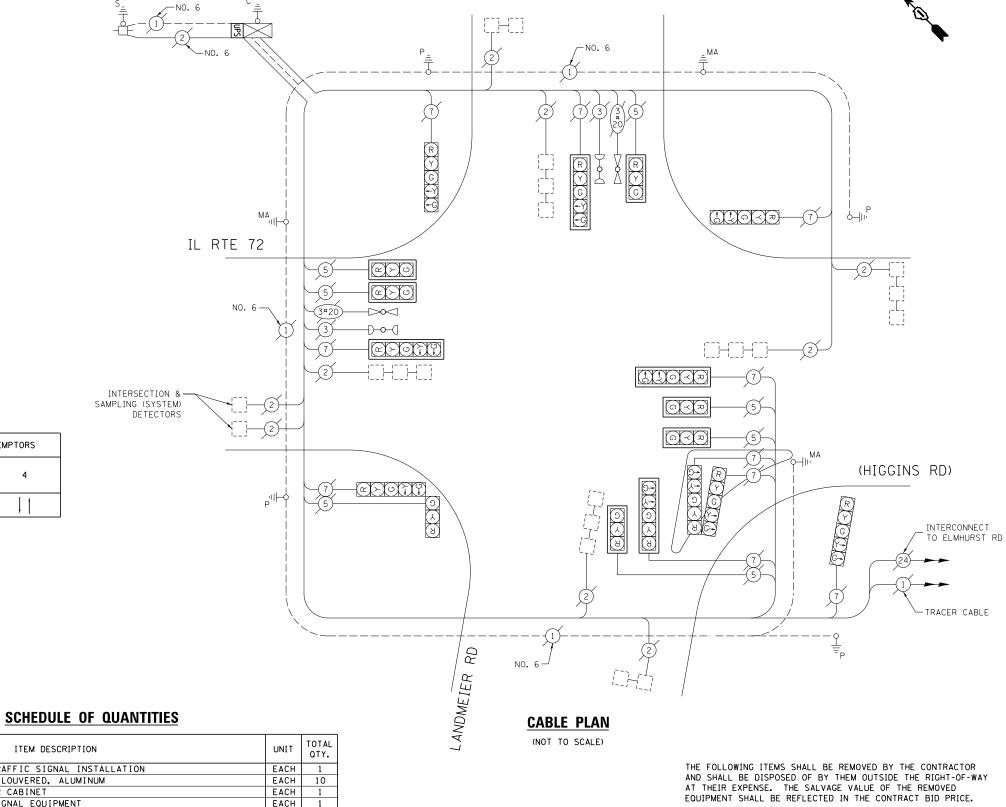
ELK GROVE VILLAGE 901 WELLINGTON AVE ELK GROVE VILLAGE, IL 60007

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129 COMPANY: COMMONWEALTH EDISON

ITEM DESCRIPTION	UNIT	QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

REPLACE ALL TRAFFIC SIGNAL BACKPLATES

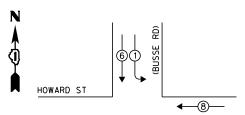


TS 3215

EACH

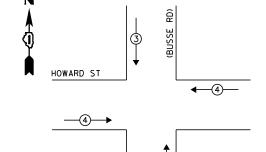
TRAFFIC SIGNAL BACKPLATE

FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -		CABLE	PLAN, PHA	ASE DES	IGNATIO	N DIAGR	AM, EMERGENCY	F.A.	SECTION	COUNTY	TOTAL :	SHEET
c:\pw_work\pwidot\pociechal	\d0381174\D122314-sht-ts1.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS					2014-008TS	соок	81	39			
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 72 (HIGGINS RD) AT LANDMEIER RD				CONTRAC	T NO. 60	OX83				
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FE	D. AID PROJECT						



#### **EXISTING PHASE DESIGNATION DIAGRAM**

## EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



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	CONTROLLER CABINET (COMPL
3	EACH	TRAFFIC SIGNAL POST
8	EACH	3-SECTION SIGNAL HEAD
4	EACH	5-SECTION SIGNAL HEAD
6	EACH	TRAFFIC SIGNAL BACKPLATE

- 1 REPLACE 14 FT PAINTED POST. RE-USE EXISTING FOUNDATION.
- REPLACE 16 FT PAINTED POST. RE-USE EXISTING FOUNDATION.

EXISTING EMERGE	REEMPTORS	
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	Į į	<del>-</del>

LEGEND:

PEDESTRIAN PHASE

OL OVERLAP

SINGLE ENTRY PHASE

DUAL ENTRY PHASE

#### I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS TOTAL WATTAGE NO. OF LAMPS WATTAGE INCAND. LED % OPERATION SIGNAL (RED) 12 0.50 102.0 17 (YELLOW) 12 25 0.25 75.0 (GREEN) 12 15 0.25 45.0 ARROW 12 0.10 9.6 PED. SIGNAL 25 1.00 CONTROLLER 1.00 100.0 100 ILLUM. SIGN 25 0.05 VIDEO SYSTEM 150 1.00 FLASHER 0.50 ENERGY COSTS TO: TOTAL = 331.6

ELK GROVE VILLAGE 901 WELLINGTON AVE ELK GROVE VILLAGE, IL 60007

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129

COMPANY: COMMONWEALTH EDISON

## SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTA QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	6
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
REMOVE AND REPLACE ANCHOR BOLTS	EACH	2

(BUSSE R Y G Y G MA HOWARD ST NO. 6 — МА 5<del>-</del> 오 사 오 사 정 С У В INTERCONNECT 83 TO LANDMEIER RD MA -TRACER CABLE 1 'n **CABLE PLAN** (NOT TO SCALE) NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR UPS SHALL BE INSTALLED ON THE LEFT SIDE OF THE CONTROLLER CABINET DUE TO PHYSICAL CONSTRAINT, OR AS DIRECTED BY THE ENGINEER THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

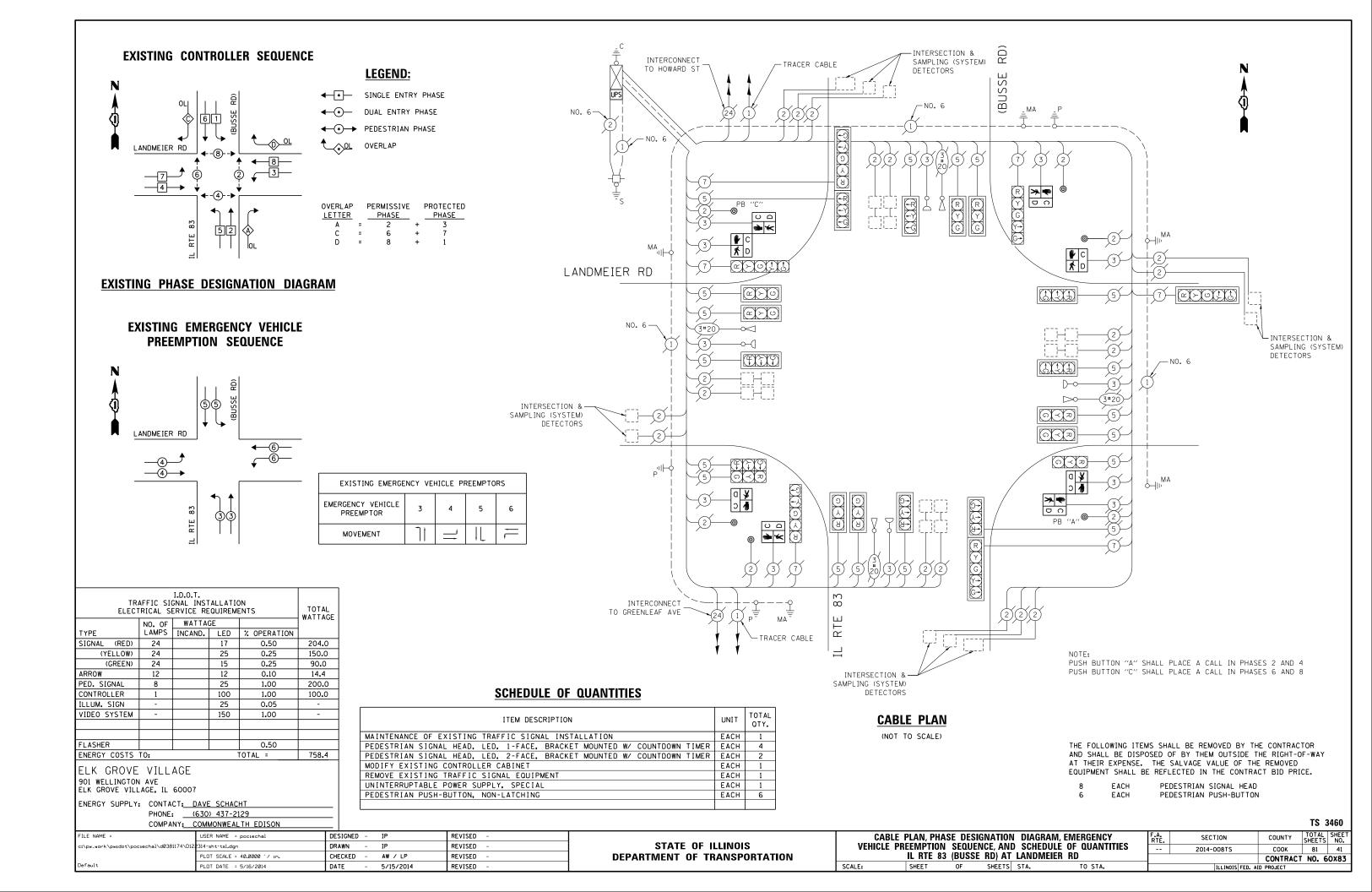
TS 12125

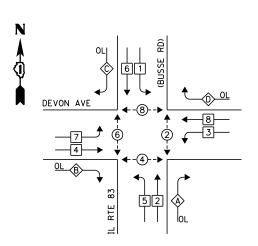
FILE NAME =	USER NAME = pociechai	DESIGNED	-	IF	REVISED -
c:\pw_work\pwidot\pociechal\d0381174\D12	314-sht-tsl.dgn	DRAWN	-	IP	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED	-	AW / LP	REVISED -
Default	PLOT DATE = 5/16/2014	DATE	-	5/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

					AM, EMERGENCY	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES  IL RTE 83 (BUSSE RD) AT HOWARD ST					2014-008TS	COOK	81	40		
	IL RIE 83	(RO22F	: KD) A	I HUWA	KD SI			CONTRACT	NO. 6	50X83
AI F.	SHEET	OF	SHEETS	STA	TO STA		THE INOIS FED. AT	D DDO IECT		





#### **LEGEND**:

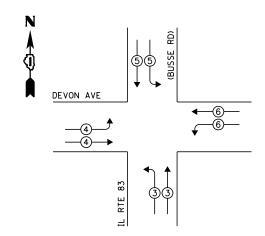
SINGLE ENTRY PHASE DUAL ENTRY PHASE

**◆**(\*)→ PEDESTRIAN PHASE

PERMISSIVE PROTECTED

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



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

EXISTING EMERGENCY VEHICLE PREEMPTORS						
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6		
MOVEMENT	71					

#### I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS TOTAL WATTAGE WATTAGE NO. OF LAMPS INCAND. LED % OPERATION SIGNAL (RED) 24 0.50 204.0 17 (YELLOW) 24 25 0.25 150.0 (GREEN) 24 0.25 90.0 15 ARROW 12 19.2 0.10 PED. SIGNAL 25 1.00 200.0 CONTROLLER 100 1.00 100.0 1 ILLUM. SIGN 25 0.05 VIDEO SYSTEM 150 1.00 FLASHER 0.50

ELK GROVE VILLAGE 901 WELLINGTON AVE ELK GROVE VILLAGE, IL 60007

ENERGY COSTS TO:

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129 COMPANY: COMMONWEALTH EDISON

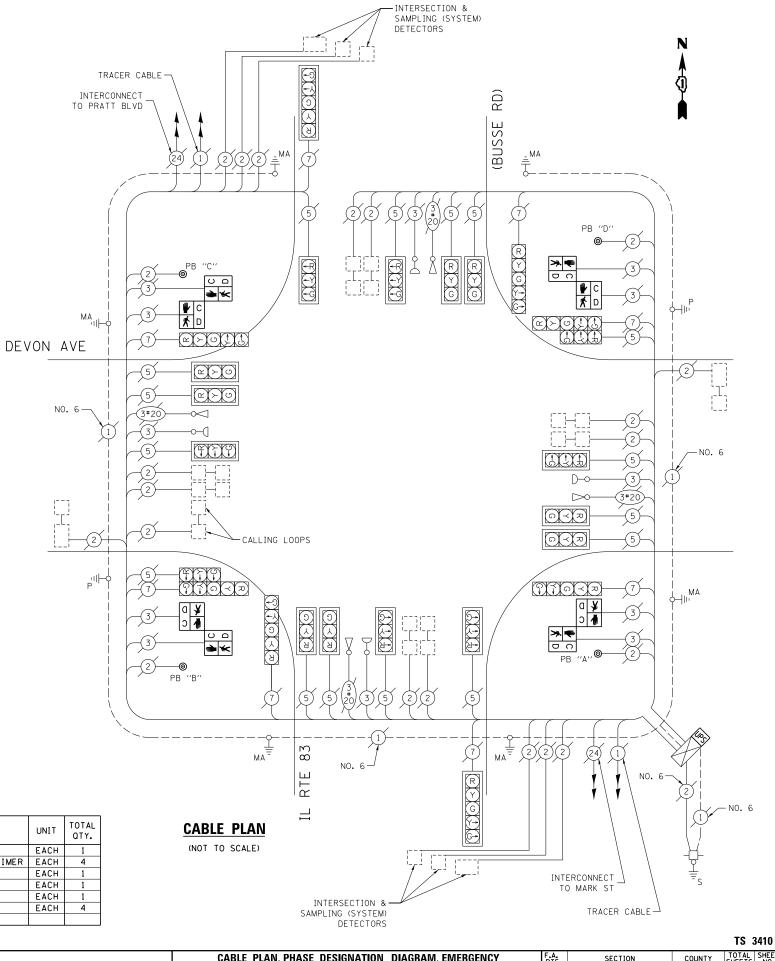
TOTAL =

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 EACH PEDESTRIAN PUSH-BUTTON

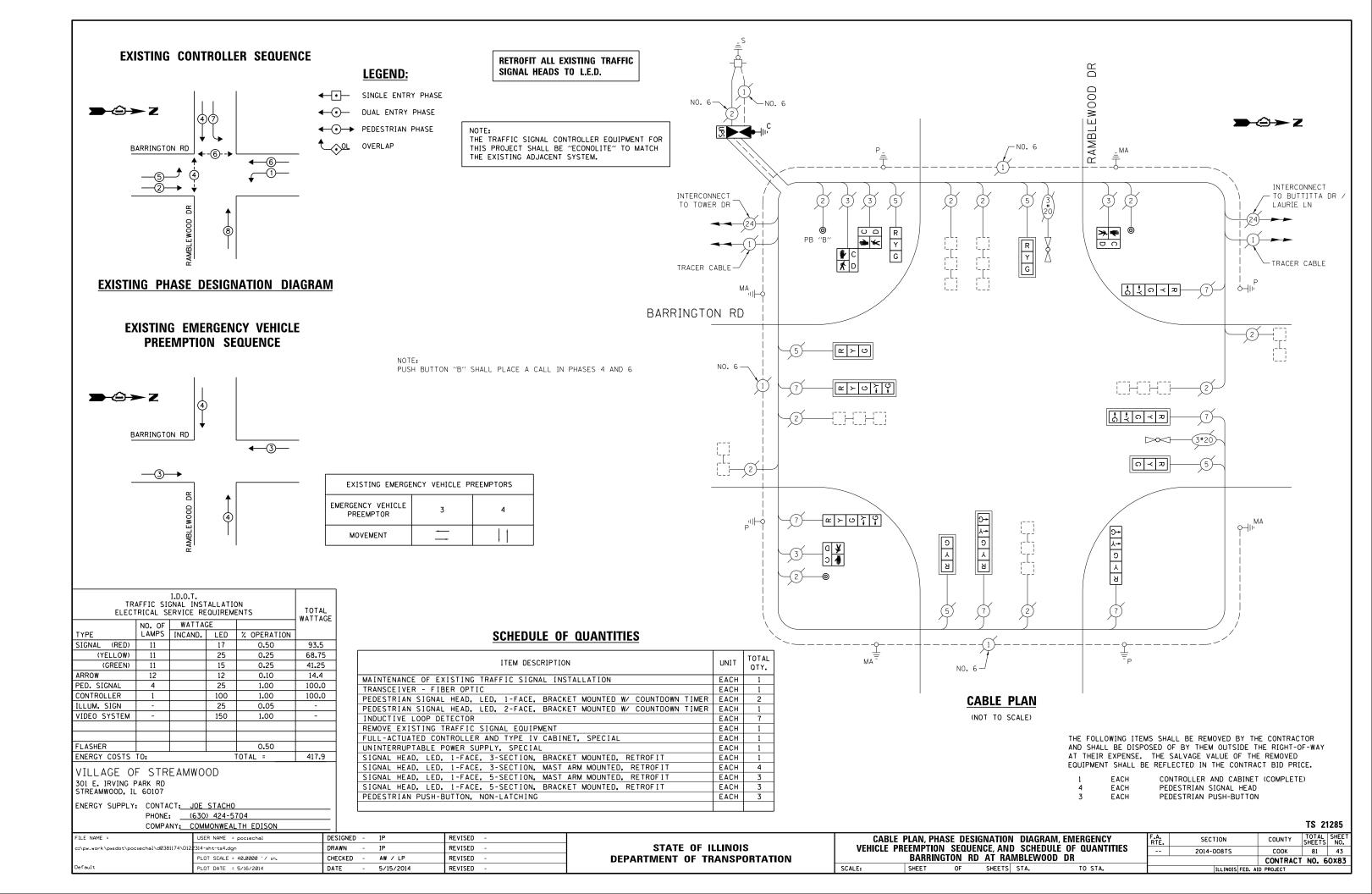
#### **SCHEDULE OF QUANTITIES**

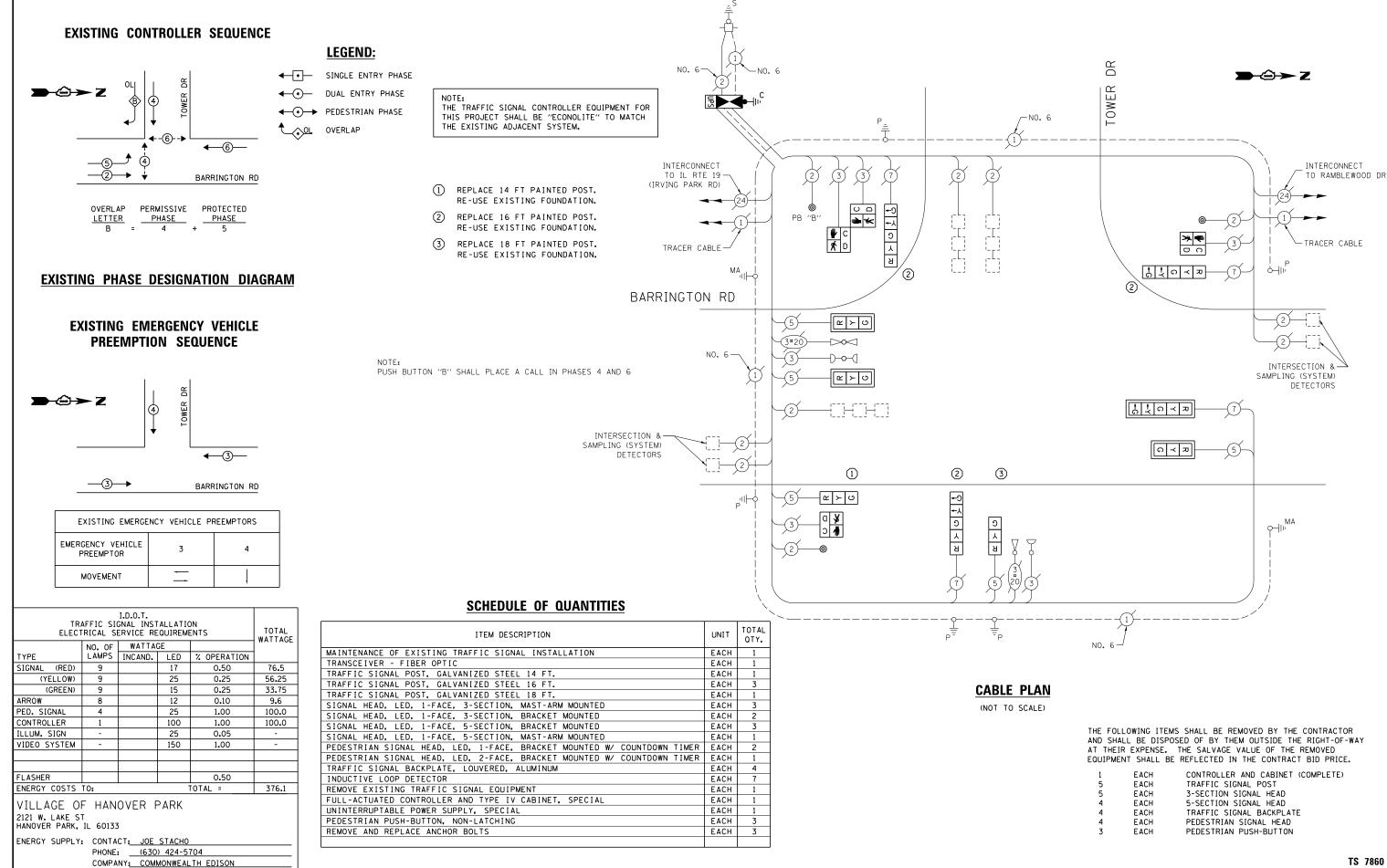
ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	4
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	4



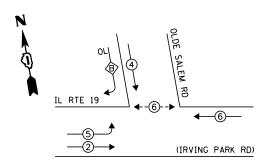
USER NAME = pociecha DESIGNED -REVISED c:\pw\_work\pwidot\pociechal\d0381174\D122314-sht-tsl.dan DRAWN ΙP REVISED PLOT SCALE = 40.0000 '/ in. CHECKED AW / LP REVISED PLOT DATE = 5/16/2014 DATE 5/15/2014 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**  CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES SECTION COUNTY 2014-008TS COOK 81 42 IL RTE 83 (BUSSE RD) AT DEVON AVE CONTRACT NO. 60X83 SHEETS STA. SHEET





USER NAME = pociecha DESIGNED - IP REVISED CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY SECTION COUNTY STATE OF ILLINOIS VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES :\pw\_work\pwidot\pociechal\d0381174\D122314-sht-ts4.dgn DRAWN - IP REVISED 2014-008TS COOK 81 44 LOT SCALE = 40.0000 '/ in. CHECKED AW / LP REVISED **DEPARTMENT OF TRANSPORTATION** BARRINGTON RD AT TOWER DR CONTRACT NO. 60X83 SHEETS STA. PLOT DATE = 5/16/2014 DATE 5/15/2014 REVISED OF



LETTER

#### LEGEND:

**★** SINGLE ENTRY PHASE DUAL ENTRY PHASE

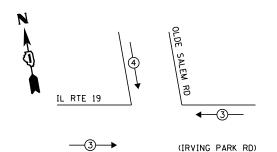
**◆**(\*) → PEDESTRIAN PHASE

OVERLAP

#### **EXISTING PHASE DESIGNATION DIAGRAM**

OVERLAP PERMISSIVE PROTECTED PHASE PHASE 5

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGE	ENCY VEHICLE PR	REEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	<del>-</del>	ļ

TR. ELECT	TOTAL WATTAGE				
	NO. OF WATTAGE				MATTAGE
TYPE	LAMPS	INCAND.	LED	% OPERATION	
SIGNAL (RED)	10		17	0.50	85.0
(YELLOW)	10		25	0.25	62.5
(GREEN)	10		15	0.25	37.5
ARROW	4		12	0.10	4.8
PED. SIGNAL	2		25	1.00	50.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	-		150	1.00	-
FLASHER				0.50	
ENERGY COSTS TO: TOTAL =				339.8	

VILLAGE OF HANOVER PARK

2121 W. LAKE ST HANOVER PARK, IL 60133

ENERGY SUPPLY: CONTACT: JOE STACHO

PHONE: (630) 424-5704

COMPANY: COMMONWEALTH EDISON

#### USER NAME = pociecha DESIGNED - IP REVISED c:\pw\_work\pwidot\pociechal\d0381174\D122314-sht-ts4.dqn DRAWN - IP REVISED PLOT SCALE = 40.0000 '/ in. CHECKED - AW / LP REVISED PLOT DATE = 5/16/2014 DATE REVISED - 5/15/2014

#### STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

МАп⊢с

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IL RTE 19

INTERCONNECT TO KINGSBURY RD

TRACER CABLE



B

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	ILLINOIS FED. AID PROJECT							
		CONTRACT	NO. 6	OX83				
	2014-008TS	COOK	81	45				
A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				

INTERCONNECT TO WISE RD

-TRACER CABLE

(IRVING PARK RD)

INTERSECTION &

SAMPLING (SYSTEM)
DETECTORS

EXISTING EMERGE	NCY VEHICLE PE	REEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	-	

SCHEDULE OF QUANTITIES		
ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	4
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

INTERSECTION &-

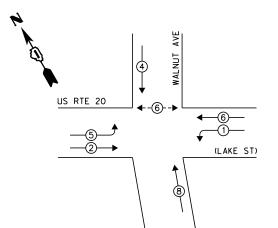
DETECTORS

## **CABLE PLAN**

(NOT TO SCALE)

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

8	EACH	3-SECTION SIGNAL HEAD
2	EACH	5-SECTION SIGNAL HEAD
4	EACH	TRAFFIC SIGNAL BACKPLAT
2	EACH	PEDESTRIAN SIGNAL HEAD
2	EACH	PEDESTRIAN PUSH-BUTTON



#### LEGEND:

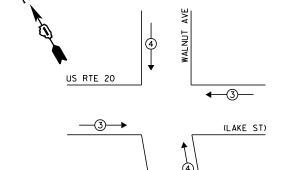
**★** SINGLE ENTRY PHASE **◆**■ DUAL ENTRY PHASE

◆ PEDESTRIAN PHASE

OVERLAP OVERLAP

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGE	INCY VEHICLE PE	REEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	<b>←</b>	<u> </u>

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
	NO. OF WATTAGE					
TYPE		LAMPS	INCAND.	LED	% OPERATION	
SIGNAL	(RED)	12		17	0.50	102.0
(YE	LLOW)	12		25	0.25	75.0
((	GREEN)	12		15	0.25	45.0
ARROW		8		12	0.10	9.6
PED. SIG	NAL	2		25	1.00	50.0
CONTROL	LER	1		100	1.00	100.0
ILLUM. S	IGN	-		25	0.05	-
VIDEO SYSTEM		-		150	1.00	-
FLASHER					0.50	
ENERGY	COSTS	TO.			TOTAL =	381.6

VILLAGE OF HANOVER PARK

2121 W. LAKE ST HANOVER PARK, IL 60133

ENERGY SUPPLY: CONTACT: JOE STACHO

PHONE: (630) 424-5704

COMPANY: COMMONWEALTH EDISON

# **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

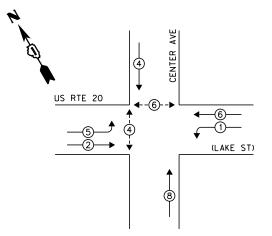
WALNUT \_NO. 6 INTERCONNECT TO CENTER AVE TRACER CABLE US RTE 20 NO. 6 D-o-(1 (C)(Z)(Z) (LAKE ST) -(PXFXOXFX9) INTERCONNECT TO NORTH AVE TRACER CABLE-**CABLE PLAN** (NOT TO SCALE)

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.

EACH EACH

PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -							M, EMERGENCY	F.A. RTF.	SECTION	COUNTY	TOTAL	SHEET NO.
c:\pw_work\pwidot\pociechal\d0381174\D12	,		REVISED -	STATE OF ILLINOIS	VEHICLE PI					LE OF QUANTITIES		2014-008TS	соок	81	46
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION			E 20 (LAI		AT WALNUT				CONTRAC	T NO. 6	OX83
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS	S STA.	TO STA.		ILLINOIS FED. A	D PROJECT		



#### LEGEND:

**★** SINGLE ENTRY PHASE **◆**■ DUAL ENTRY PHASE

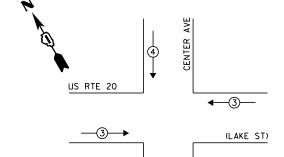
**◆**(\*) → PEDESTRIAN PHASE

OVERLAP

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

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS								
EMERGENCY VEHICLE PREEMPTOR	3	4						
MOVEMENT	<del>-</del>	. l t						

		I.D.O.T. GNAL INST ERVICE RE			TOTAL WATTAGE
	NO. OF	WATTA	GE		""   "   "   "   "   "   "   "   "
TYPE	LAMPS	INCAND.	LED	% OPERATION	
SIGNAL (RED)	12		17	0.50	102.0
(YELLOW)	12		25	0.25	75.0
(GREEN)	12		15	0.25	45.0
ARROW	8		12	0.10	9.6
PED. SIGNAL	4		25	1.00	100.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	-		150	1.00	-
FLASHER				0.50	
ENERGY COSTS	TO:			TOTAL =	431.6

VILLAGE OF HANOVER PARK

2121 W. LAKE ST HANOVER PARK, IL 60133

ENERGY SUPPLY: CONTACT: JOE STACHO

PHONE: (630) 424-5704

COMPANY: COMMONWEALTH EDISON

#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTA QTY.				
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1				
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2				
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	1				
MODIFY EXISTING CONTROLLER CABINET						
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1				
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1				
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	3				

CENTER ∕-NO. 6 INTERCONNECT TO CHURCH ST INTERCONNECT TO WALNUT AVE R>0 -TRACER CABLE TRACER CABLE US RTE 20 NO. 6-(LAKE ST) MA **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.

FACH EACH

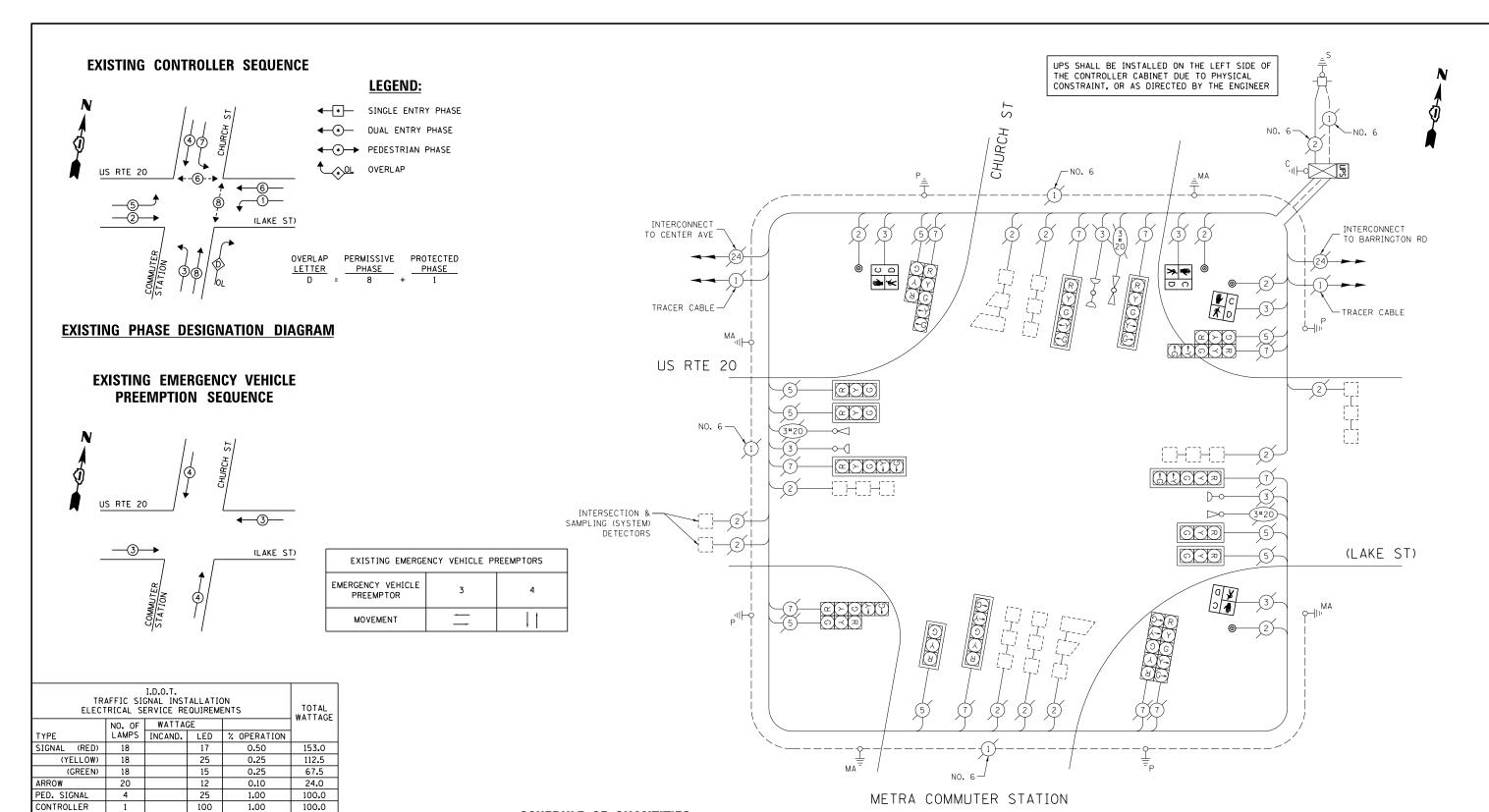
PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

DESIGNED - IP REVISED DRAWN - IP c:\pw\_work\pwidot\pociechal\d0381174\D122314-sht-ts4.dqn REVISED PLOT SCALE = 40.0000 ' / in. CHECKED - AW / LP REVISED PLOT DATE = 5/16/2014 DATE - 5/15/2014 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

TS 13762 COUNTY TOTAL SHEETS NO.

COOK 81 47 CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES SECTION 2014-008TS US RTE 20 (LAKE ST) AT CENTER AVE CONTRACT NO. 60X83 SHEET SHEETS STA.



#### **SCHEDULE OF QUANTITIES**

ILLUM. SIGN

FLASHER

VIDEO SYSTEM

ENERGY COSTS TO:

2121 W. LAKE ST HANOVER PARK, IL 60133

VILLAGE OF HANOVER PARK

ENERGY SUPPLY: CONTACT: JOE STACHO

PHONE: (630) 424-5704

COMPANY: COMMONWEALTH EDISON

25

150

0.05

1.00

0.50

TOTAL =

557.0

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	4
PEDESTRIAN PUSH-BUTTON	EACH	4
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

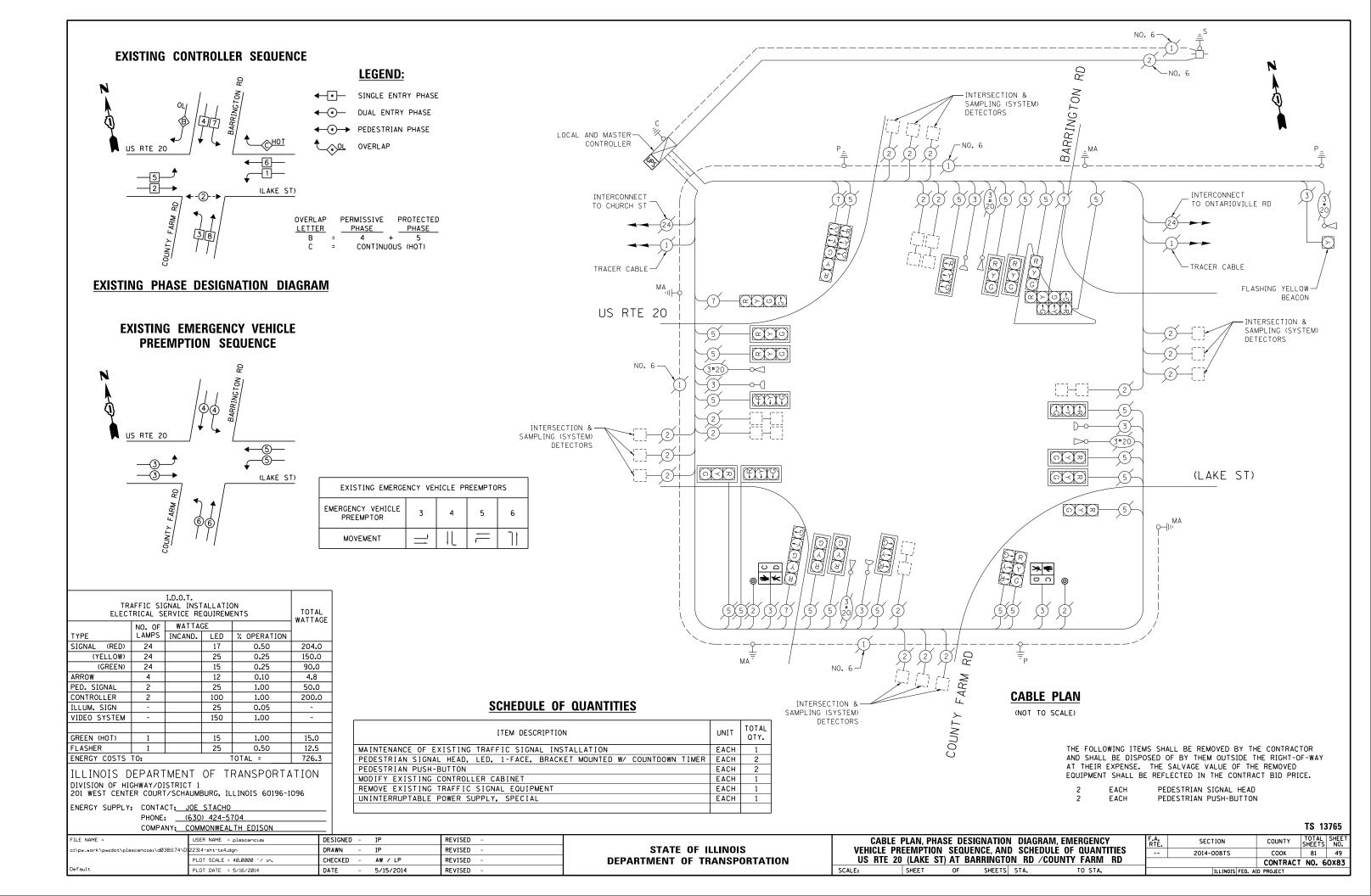
#### **CABLE PLAN**

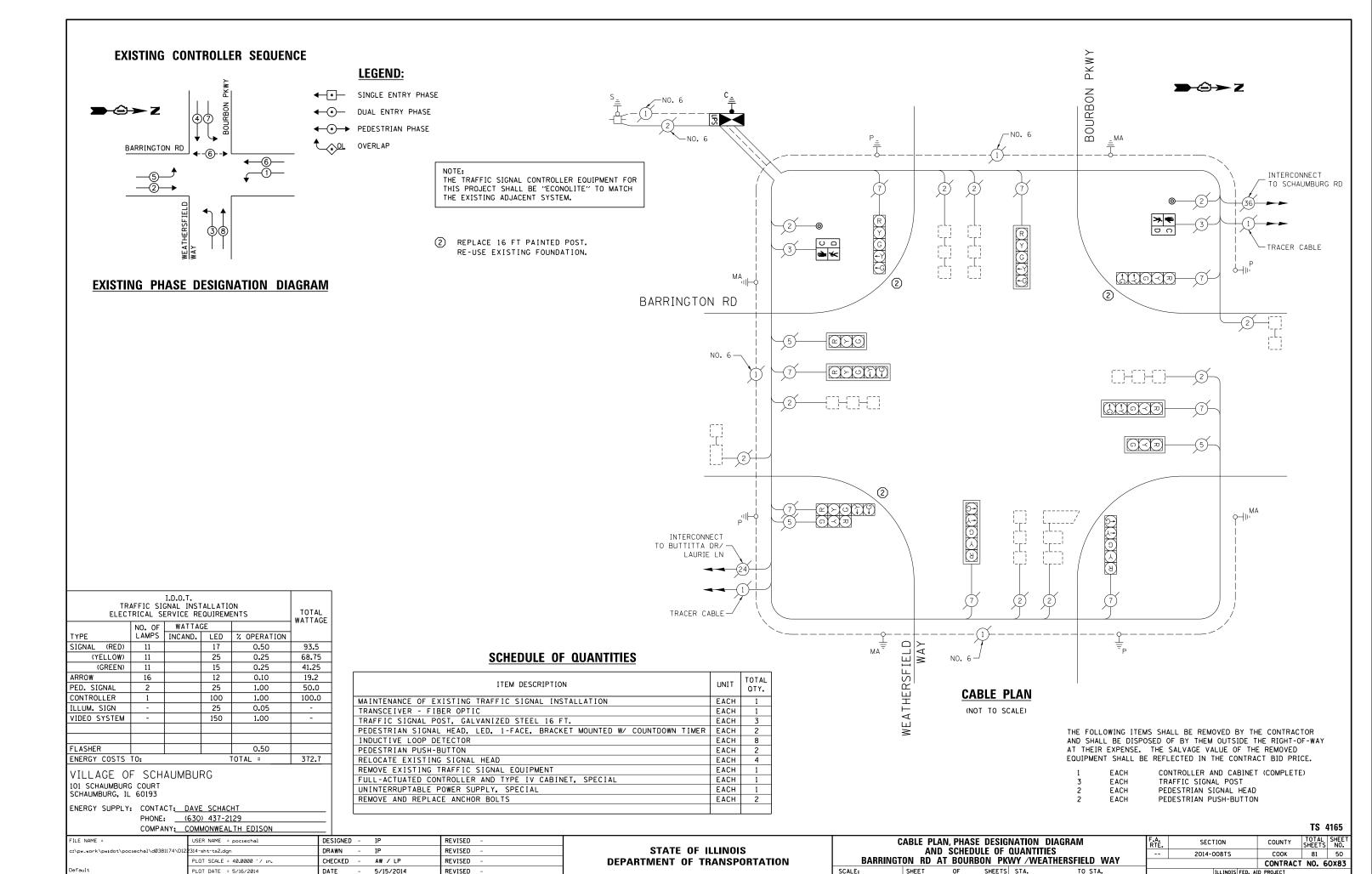
(NOT TO SCALE)

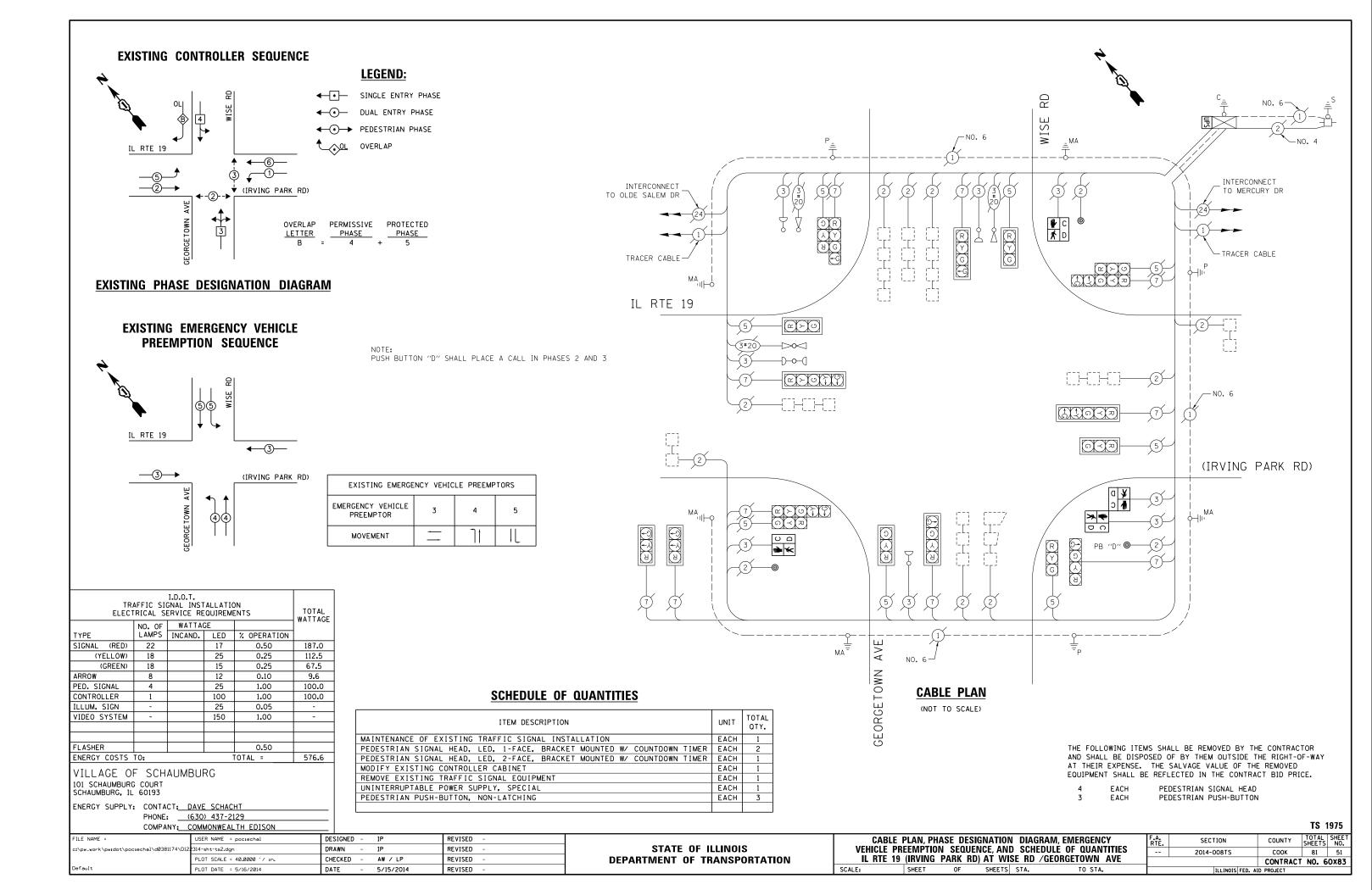
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

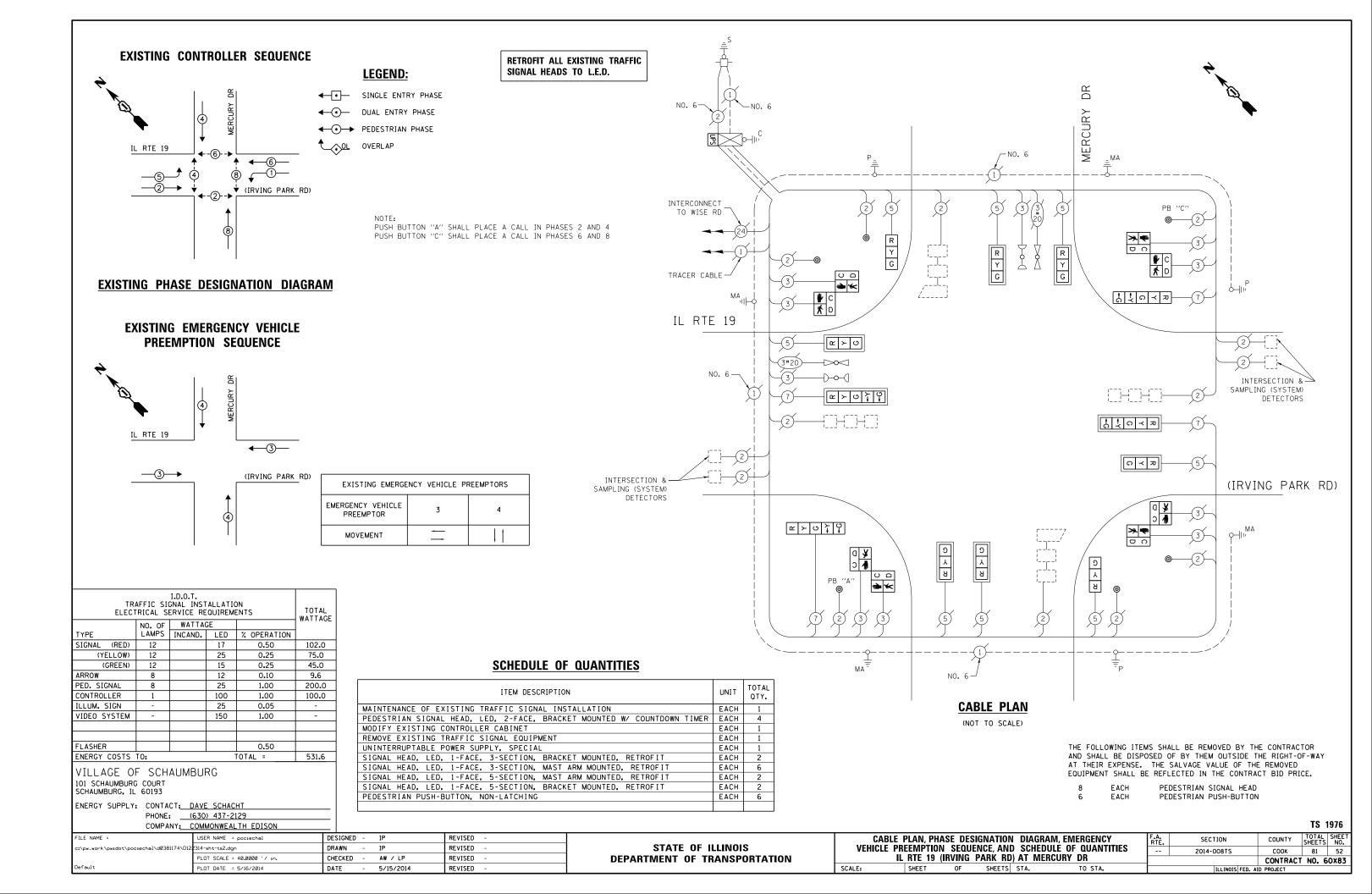
EACH EACH PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

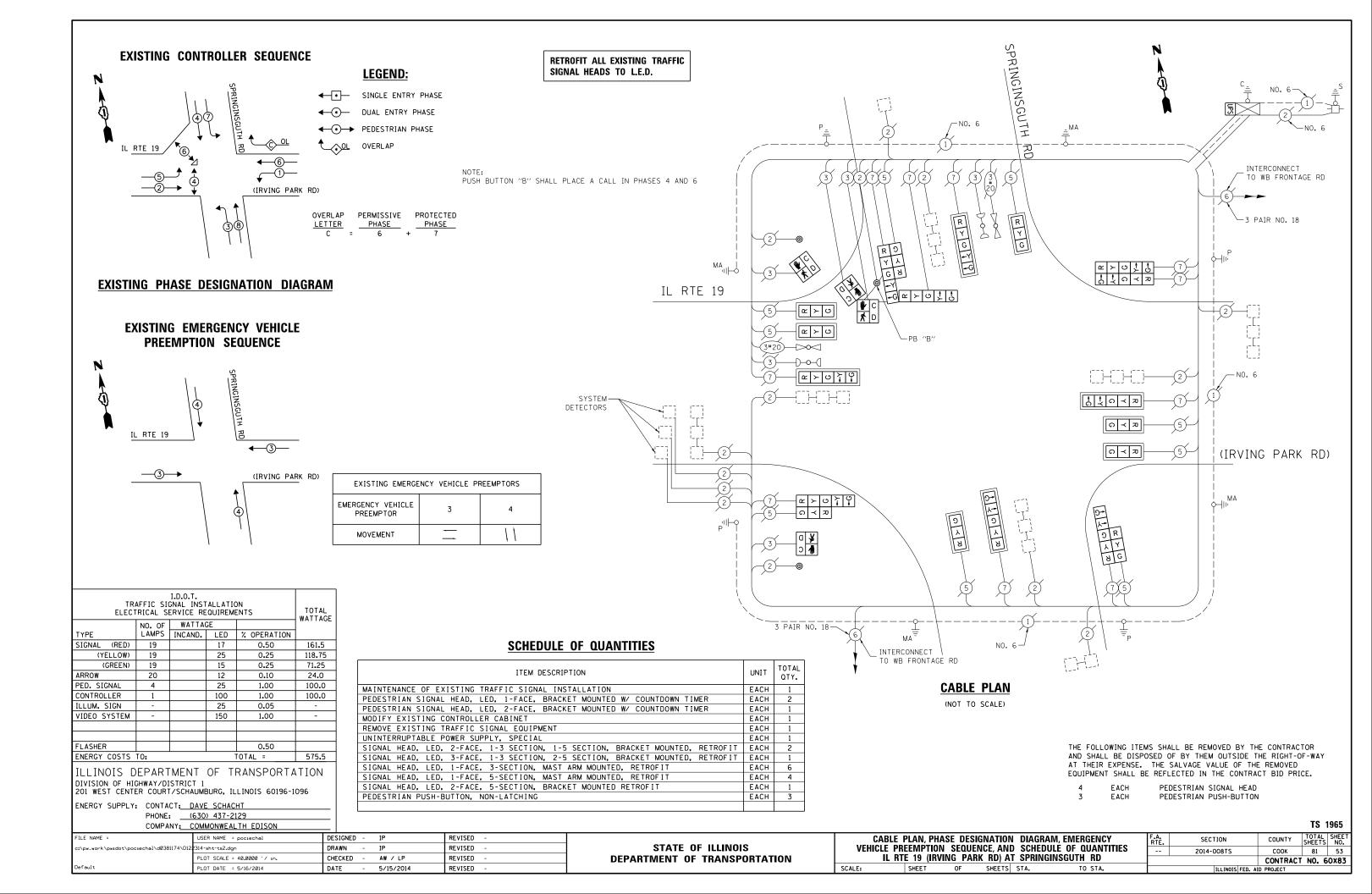
FILE NAME =	USER NAME = pociechal	DESIGNED - IF	Р	REVISED -		CABLE	PLAN, PHA	SE DESIG	GNATIO	N DIAGRA	M, EMERGENCY	F.A.	SECTION	COUNTY	TOTAL	AL SHE	ĒΤ
c:\pw_work\pwidot\pociechal\d0381174\D12	314-sht-ts4.dgn	DRAWN - IF	P	REVISED -	STATE OF ILLINOIS						JLE OF QUANTITIES		2014-008TS	соок	81	4	18
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AV	W / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	US RTE 20	D (LAKE ST	) AT CH	URCH S	ST /METRA	COMMUTER LOT			CONTRAC	T NO.	60Xf	83
Default	PLOT DATE = 5/16/2014	DATE - 5	/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS		TO STA.		ILLINOIS FED.	AID PROJECT			

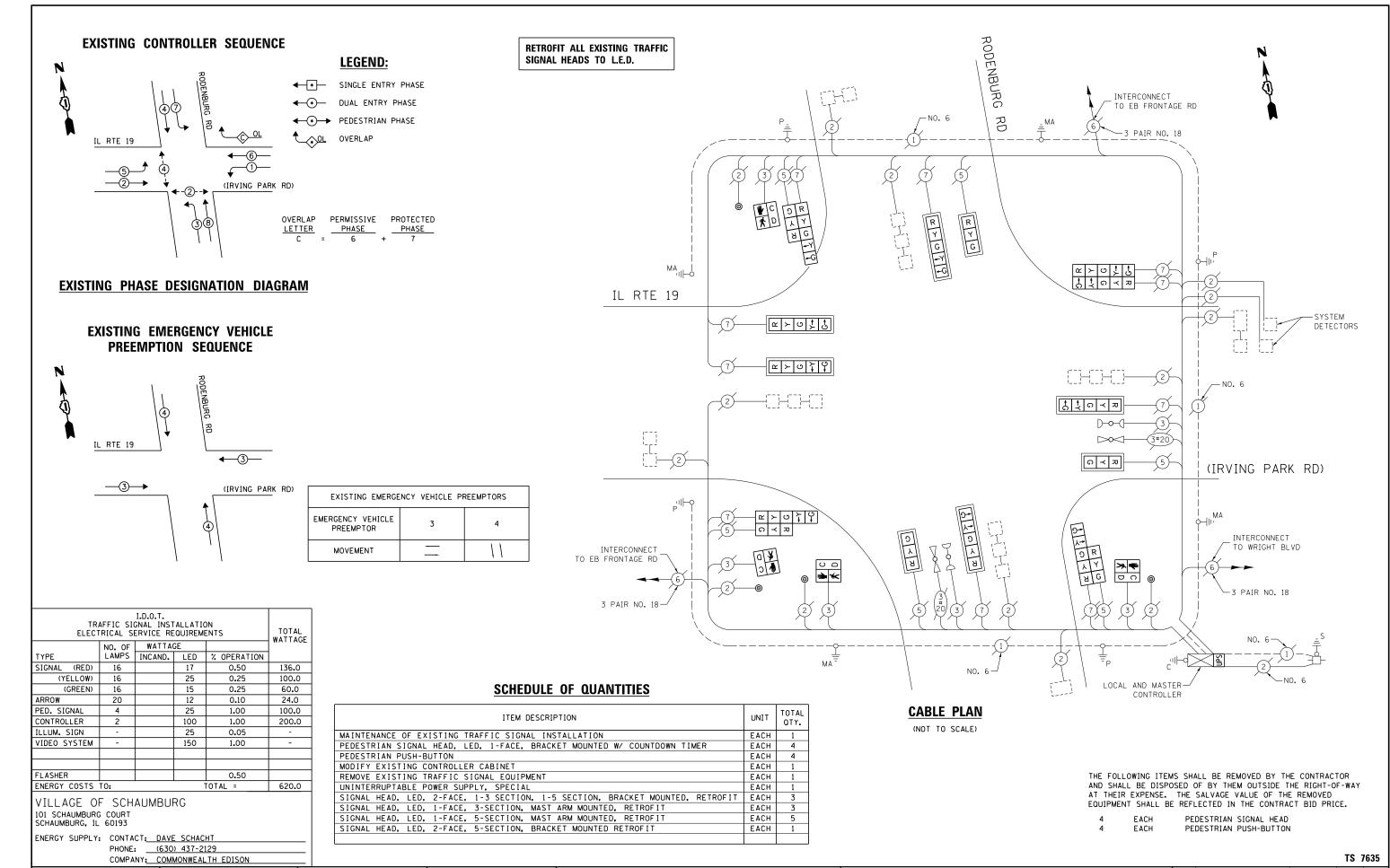






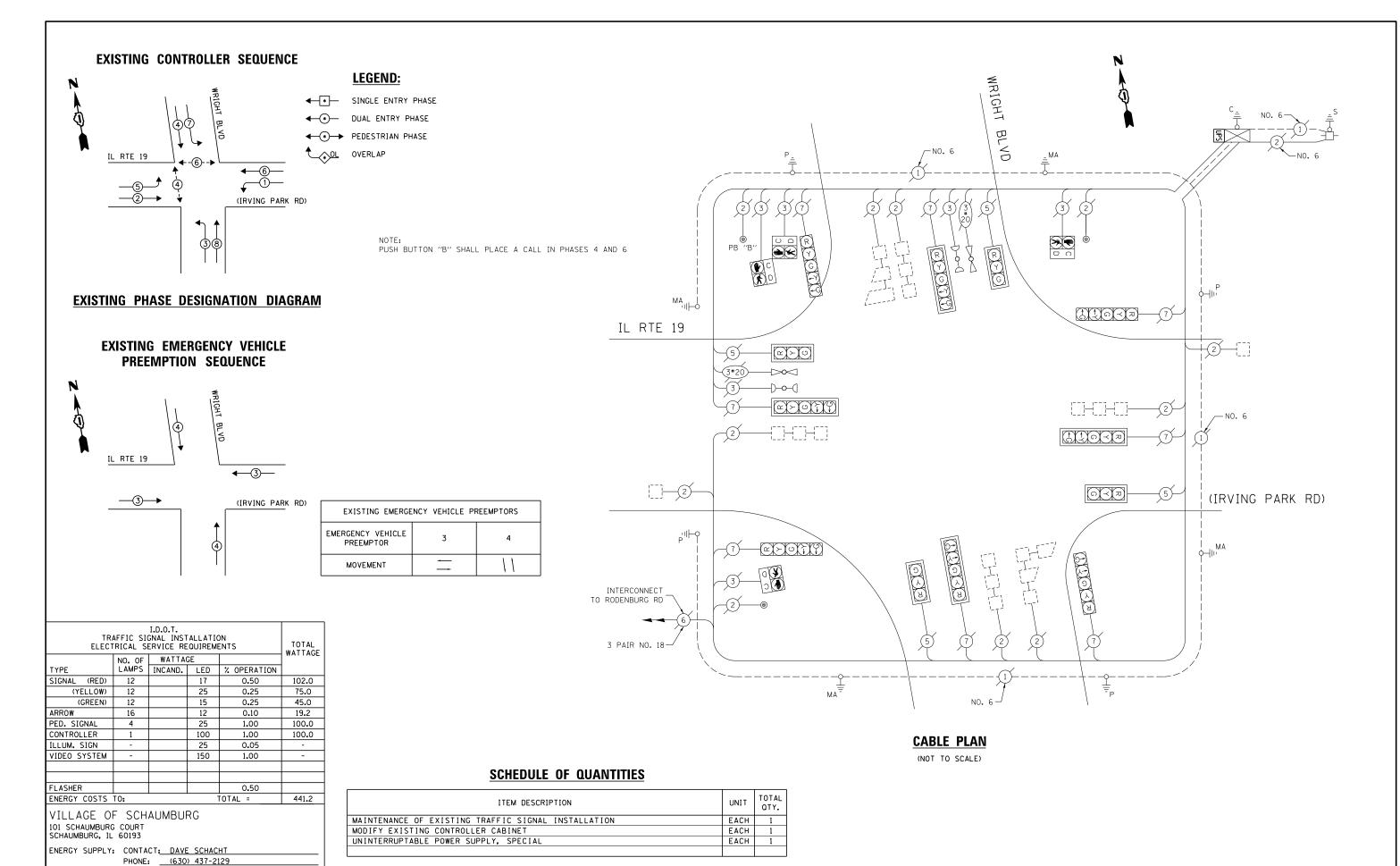






COUNTY COOK 81 54

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES USER NAME = pociecha DESIGNED -REVISED SECTION STATE OF ILLINOIS c:\pw\_work\pwidot\pociechal\dØ381174\D122314-sht-ts2.dgn DRAWN - IP REVISED 2014-008TS PLOT SCALE = 40.0000 '/ in. CHECKED AW / LP REVISED **DEPARTMENT OF TRANSPORTATION** IL RTE 19 (IRVING PARK RD) AT RODENBURG RD CONTRACT NO. 60X83 PLOT DATE = 5/16/2014 SHEETS STA. DATE 5/15/2014 REVISED SHEET

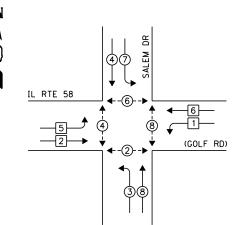


TS 7637

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES IL RTE 19 (IRVING PARK RD) AT WRIGHT BLVD USER NAME = pociecha DESIGNED - IP REVISED SECTION COUNTY STATE OF ILLINOIS c:\pw\_work\pwidot\pociechal\d0381174\D122314-sht-ts2.dgn DRAWN - IP REVISED 2014-008TS COOK 81 55 PLOT SCALE = 40.0000 '/ in. CHECKED -AW / LP REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60X83 PLOT DATE = 5/16/2014 DATE 5/15/2014 REVISED SHEET SHEETS STA.

COMPANY: COMMONWEALTH EDISON





#### LEGEND:

**★** SINGLE ENTRY PHASE **◆**■ DUAL ENTRY PHASE

◆ PEDESTRIAN PHASE

OVERLAP

**EXISTING PHASE DESIGNATION DIAGRAM** 

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

IL RTE 58

INTERCONNECT

TO GANNON DE

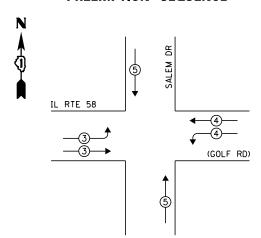
TRACER CABLE-

PB "'A"

МΔ

NO. 6-

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS											
EMERGENCY VEHICLE PREEMPTOR	3	4	5								
MOVEMENT	=		Į †								

		NO. OF				WATTAGE				
TYPE		LAMPS	INCAND.	LED	% OPERATION					
SIGNAL	(RED)	20		17	0.50	170.0				
(Y	ELLOW)	20		25	0.25	125.0				
(	GREEN)	20		15	0.25	75.0				
ARROW		8		12	0.10	9.6				
PED. SI	GNAL	8		25	1.00	200.0				
CONTROL	LER	1		100	1.00	100.0				
ILLUM.	SIGN	-		25	0.05	-				
VIDEO S	YSTEM	-		150	1.00	-				
FLASHEF	₹				0.50					
FNFRGY	COSTS	TO:			TOTAL =	679.6				

ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129 COMPANY: COMMONWEALTH EDISON

EXISTING EMERGENCY VEHICLE PREEMPTORS									
EMERGENCY VEHICLE PREEMPTOR	3	4	5						
MOVEMENT		T	11						

#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	7

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 EOUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE. FACH

EACH

DR

SALEM

**CABLE PLAN** (NOT TO SCALE)

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(C)(Z)(Z)

**≫** €

(GOLF RD)

INTERCONNECT TO IL RTE 72 (HIGGINS RD)

-TRACER CABLE

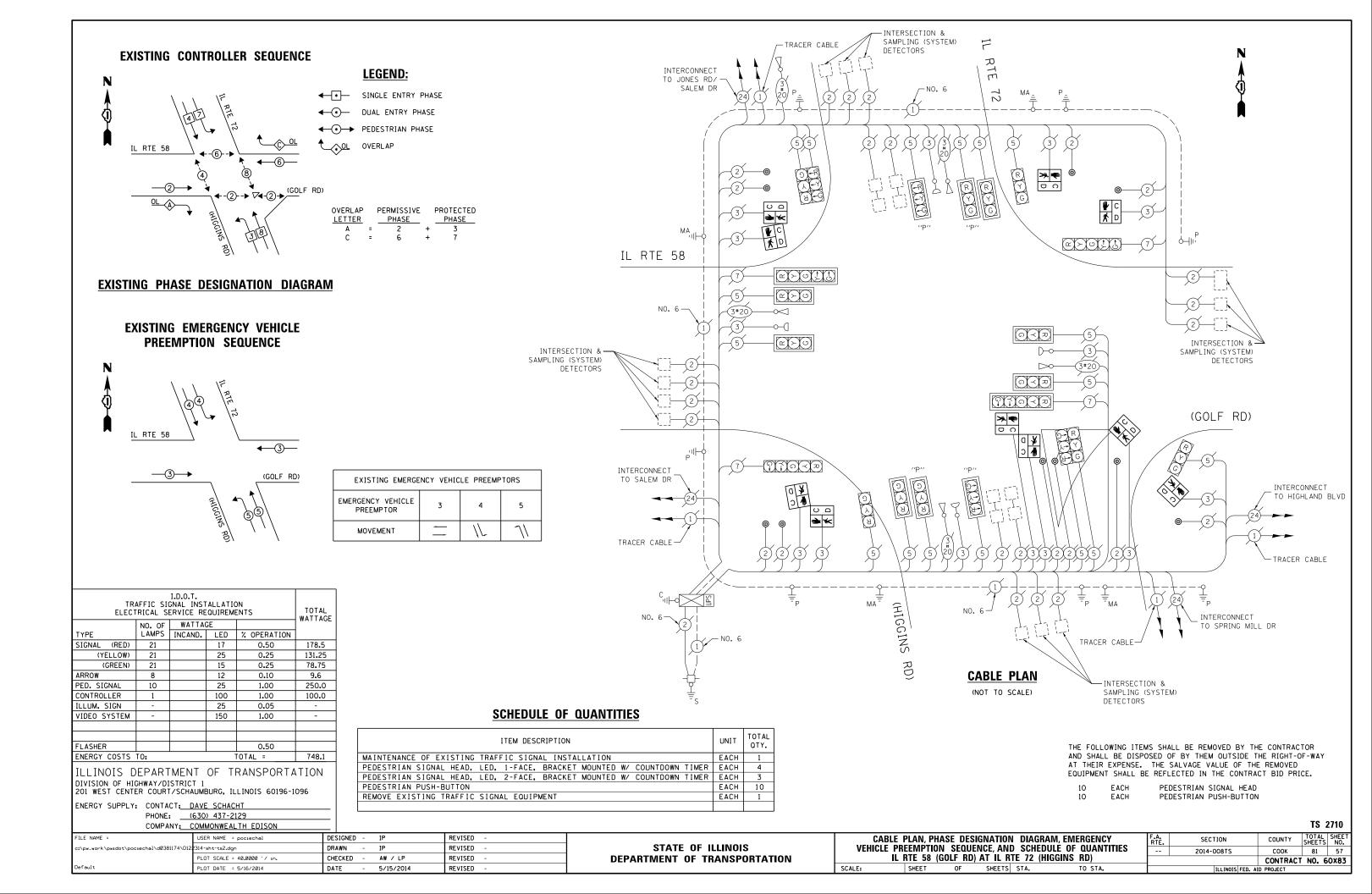
PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

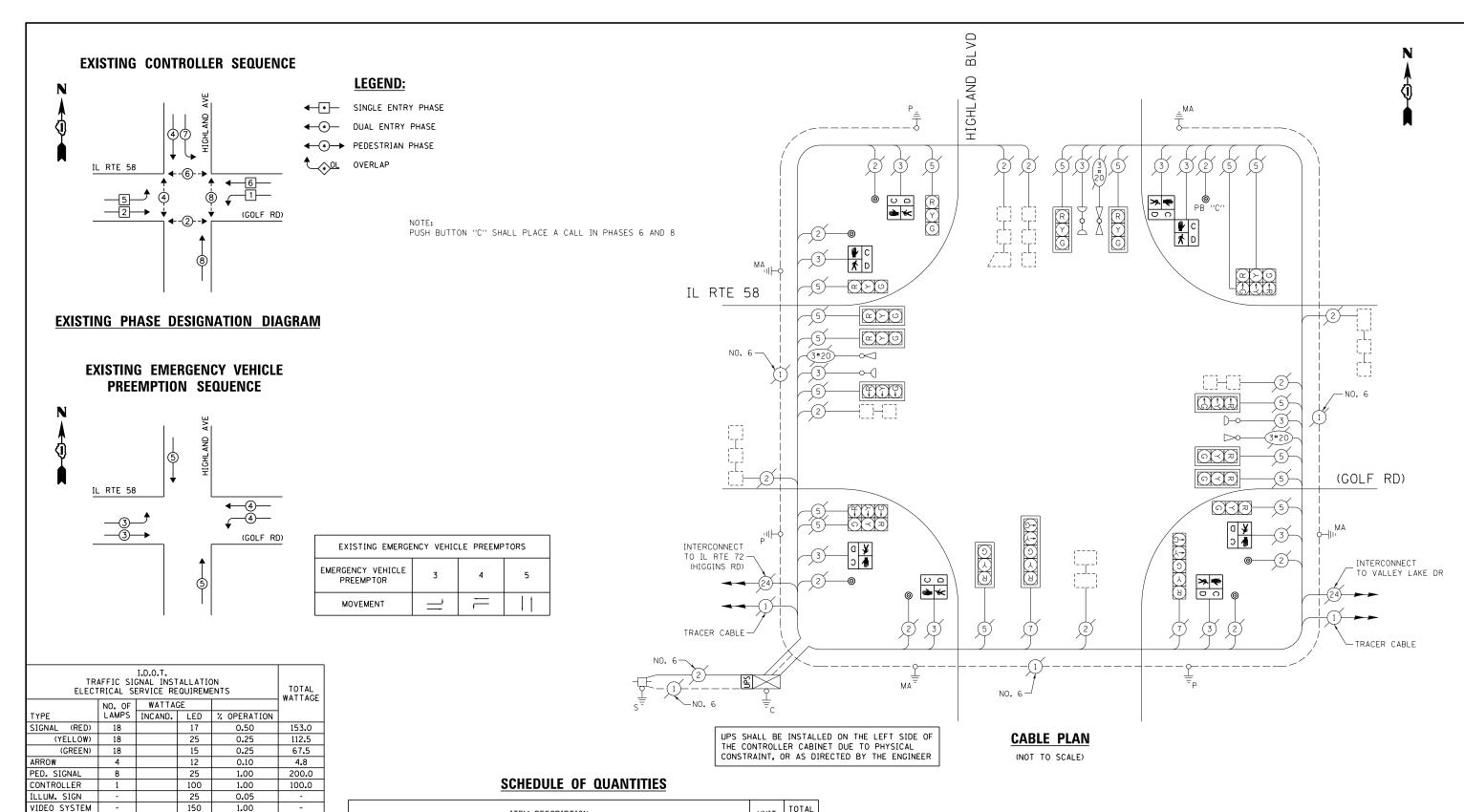
> TS 2795 TOTAL SHEET NO. 81 56

NO. 60X83

FILE NAME =	USER NAME = pociechal	DESIGNED -	IP	REVISED -		CABLE F	PLAN, PHAS
c:\pw_work\pwidot\pociechal\d0381174\D12	314-sht-ts2.dgn	DRAWN -	IP	REVISED -	STATE OF ILLINOIS	VEHICLE PRI	EEMPTION
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION		IL RTE 5
Default	PLOT DATE = 5/16/2014	DATE -	5/15/2014	REVISED -		SCALE:	SHEET

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGE		SECTION	COUNTY	T SI
EHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUA	NTITIES	2014-008TS	COOK	
IL RTE 58 (GOLF RD) AT SALEM DR			CONTRACT	1
SHEET OF SHEETS STA TO ST		THE INOIS FED. AT	O DDO ICCT	_





ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	7

FLASHER

ENERGY COSTS TO:

1900 HASSELL RD HOFFMAN ESTATES, IL 60169

VILLAGE OF HOFFMAN ESTATES

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129

0.50

637.8

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

FACH

PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

EACH

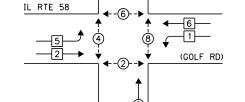
	COMPANY: C	COMMONWEALTH EDISON	_													TS 27	.790
	FILE NAME =	USER NAME = pociechal	DESIGNED -	IP	REVISED -							1, EMERGENCY	F.A. RTF.	SECTION	COUNTY	TOTAL S	SHEET NO.
	c:\pw_work\pwidot\pociechal\d0381174\D12	314-sht-ts2.dgn	DRAWN -	IP	REVISED -	STATE OF ILLINOIS	VEHICLE PF					E OF QUANTITIES		2014-008TS	соок	81	58
		PLOT SCALE = 40.0000 ' / in.	CHECKED -	AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION		IL RTE 5	8 (GOLF	RD) AT	HIGHLAND	BLVD			CONTRAC	T NO. 60	0X83
l	Default	PLOT DATE = 5/16/2014	DATE -	5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED	AID PROJECT		



#### LEGEND:

**★** SINGLE ENTRY PHASE **◆**■ DUAL ENTRY PHASE

**◆**(\*) → PEDESTRIAN PHASE



#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE

IL RTE 58

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

EXISTING EMERGENCY VEHICLE PREEMPTORS								
EMERGENCY VEHICLE PREEMPTOR	3	4	5					
MOVEMENT		=	I t					

TI ELE(	TOTAL WATTAGE						
	NO. OF WATTAGE						
TYPE	LAMPS	INCAND.	LED	% OPERATION			
SIGNAL (RED)	20		17	0.50	170.0		
(YELLOW)	20		25	0.25	125.0		
(GREEN)	20		15	0.25	75.0		
ARROW	4		12	0.10	4.8		
PED. SIGNAL	8		25	1.00	200.0		
CONTROLLER	1		100	1.00	100.0		
ILLUM. SIGN	-		25	0.05	-		
VIDEO SYSTEM	-		150	1.00	-		
FLASHER				0.50			

VILLAGE OF SCHAUMBURG

101 SCHAUMBURG COURT SCHAUMBURG, IL 60193

ENERGY COSTS TO:

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129 PHONE

COM

HUNE: _	(630) 437-2129	
MPANY:	COMMONWEALTH EDISON	

TOTAL =

674.8

EXISTING EMERGE	NCY VEHIC	LE PREEMP	TORS		
EMERGENCY VEHICLE PREEMPTOR	3	4	5		
MOVEMENT	$\exists$		11		

#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	7

INTERCONNECT TO ROSELLE RD **≯**€ -TRACER CABLE IL RTE 58 (GOLF RD) INTERCONNECT TO HIGHLAND BLVD 9 R Y X Y G **≯** € TRACER CABLE-NO. 6 NO. 6-**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 EOUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

FACH EACH

PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -							RAM, EMERGENCY	F.A. RTE.	SECTION	COUNTY	TOTAL	.   311661
c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-ts2.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS	VEHICLE PI					DULE OF QUANTITIES		2014-008TS	соок	81	59
	PLOT SCALE = 40.0000 '/ in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION		IL RTE 58	8 (GOLF	RD) A1	VALLEY	LAKE DR			CONTRAC	T NO.	60X83
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEE	TS STA.	TO STA.		ILLINOIS FED.			

#### **SCHEDULE OF QUANTITIES**

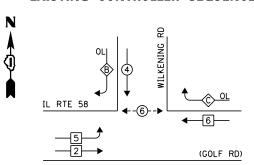
ITEM DESCRIPTION	UNIT	TOTAL OTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	16
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	4

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

4 EACH 16 EACH

PEDESTRIAN PUSH-BUTTON TRAFFIC SIGNAL BACKPLATE

ſ	FILE NAME =	USER NAME = pociechal	DESIGNED -	IP	REVISED -		SCHEDULE OF QUANTITIES				F.A. RTF.	SECTION	COUNTY	TOTAL		źΤ	
	c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-ts2.dgn	DRAWN -	IP	REVISED -	STATE OF ILLINOIS							2014-008TS	соок	81	60	′—ٰ
		PLOT SCALE = 40.0000 ' / in.	CHECKED -	AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 58 (GOLF RD) AT ROSELLE RD					CONTRAC	T NO.	60X87	3		
	Default	PLOT DATE = 5/16/2014	DATE -	5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS	TO STA.		ILLINOIS FED.	AID PROJECT			-



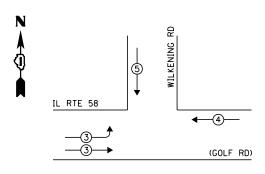
#### LEGEND:



OVERLAP		PERMISSIVE		PROTECTED
LETTER		PHASE		PHASE
В	=	4	+	5
С	=	6	+	4

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGE	NCY VEHIC	LE PREEMP	TORS
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	$\exists$	-	-

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS						
	NO. OF	WATTA	GE		WATTAGE	
TYPE	LAMPS	INCAND.	LED	% OPERATION		
SIGNAL (RED)	14		17	0.50	119.0	
(YELLOW)	14		25	0.25	87.5	
(GREEN)	14		15	0.25	52 <b>.</b> 5	
ARROW	4		12	0.10	4.8	
PED. SIGNAL	2		25	1.00	50.0	
CONTROLLER	1		100	1.00	100.0	
ILLUM. SIGN	-		25	0.05	-	
VIDEO SYSTEM	-		150	1.00	-	
FLASHER				0.50		
ENERGY COSTS TO: TOTAL =						

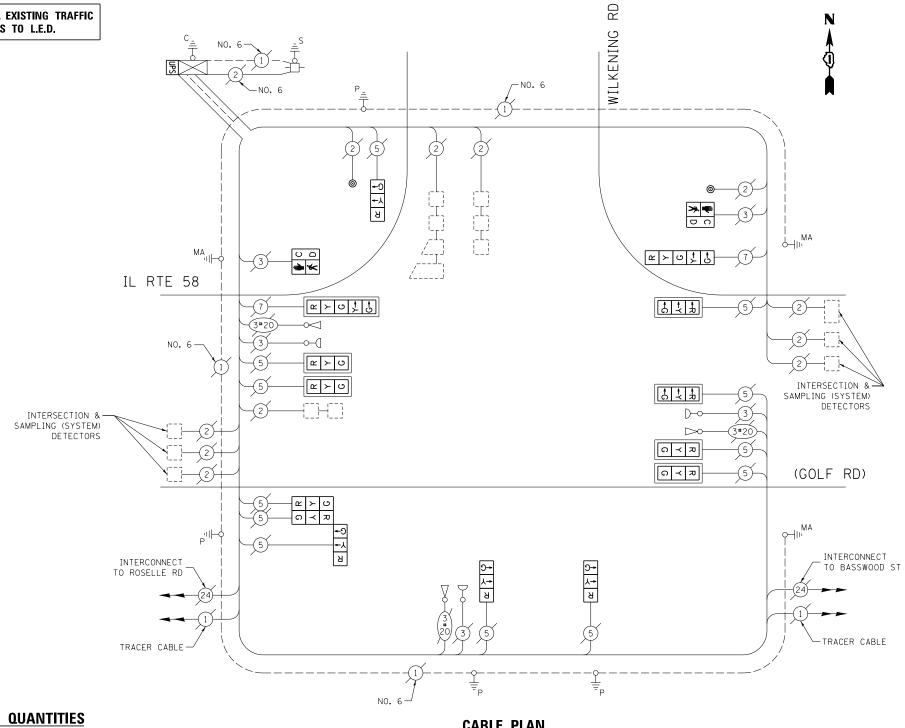
ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129

COMPANY: COMMONWEALTH EDISON

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



#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION				
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2		
PEDESTRIAN PUSH-BUTTON	EACH	2		
MODIFY EXISTING CONTROLLER CABINET	EACH	1		
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		
SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1		
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	3		
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	6		
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	1		
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1		

#### **CABLE PLAN**

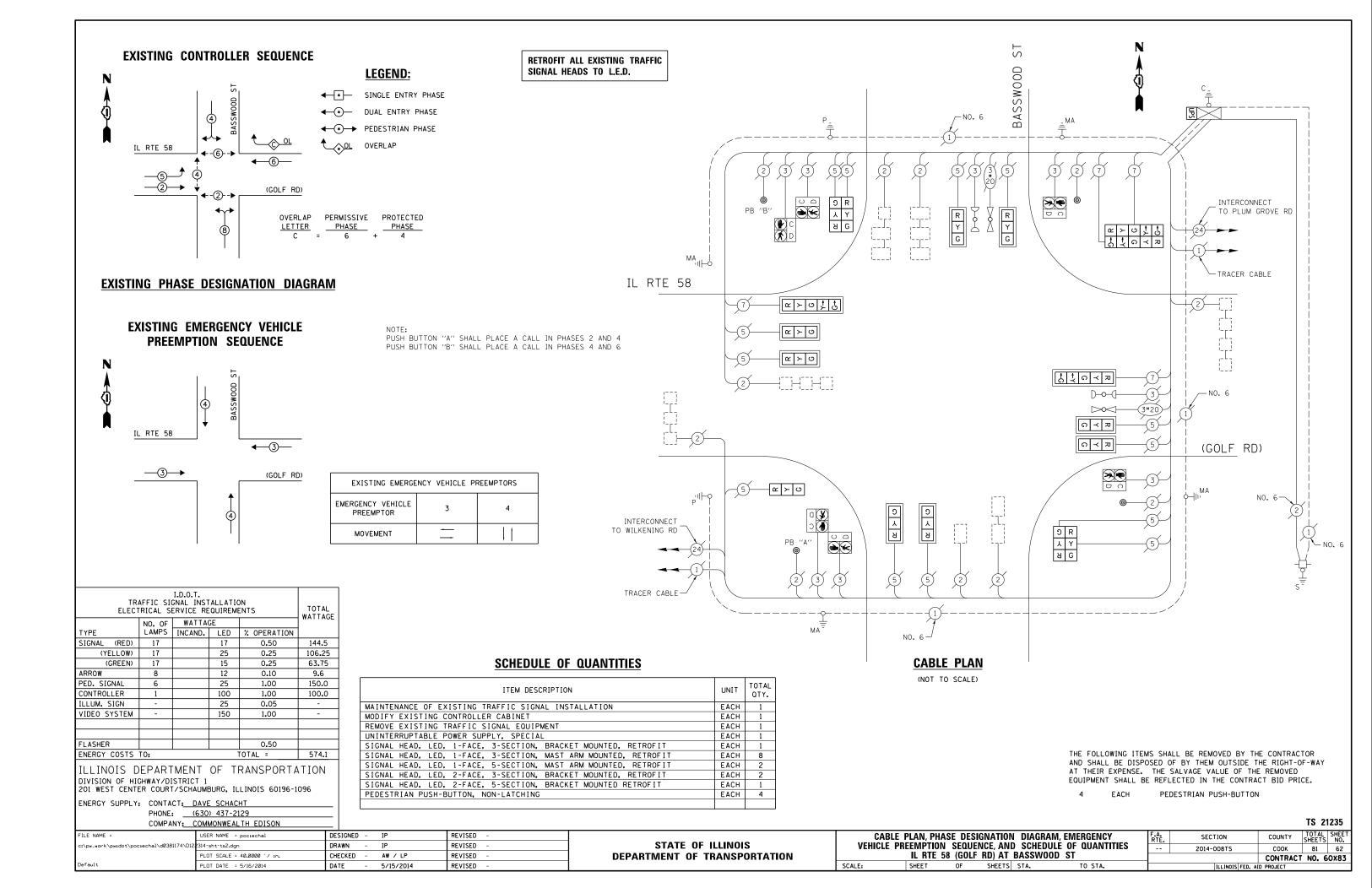
(NOT TO SCALE)

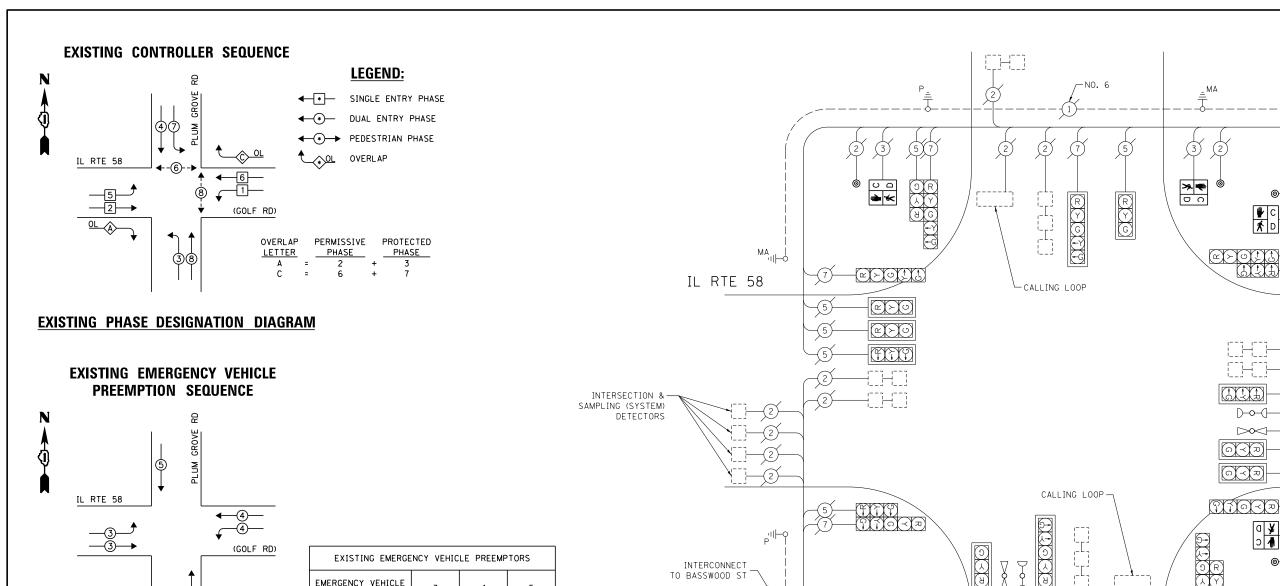
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EOUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

FACH EACH

PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -							I, EMERGENCY	F.A.	SECTION	COUNTY	TOTAL	SHEET NO.
c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-ts2.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS	VEHICLE PF					E OF QUANTITIES		2014-008TS	соок	81	61
	PLOT SCALE = 40.0000 '/ in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION			58 (GOLF		WILKENING				CONTRAC	.T NO. €	OX83
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		





	TOTAL WATTAGE					
		NO. OF	WATTA	GE		"
TYPE		LAMPS	INCAND.	LED	% OPERATION	
SIGNAL	(RED)	20		17	0.50	170.0
(YE	LLOW)	20		25	0.25	125.0
(GREEN)		20		15	0.25	75.0
ARROW		16		12	0.10	19.2
PED. SIG	NAL	4		25	1.00	100.0
CONTROL	LER	1		100	1.00	100.0
ILLUM. S	IGN	-		25	0.05	-
VIDEO SY	YSTEM	-		150	1.00	-
FLASHER					0.50	
FNFRGY I	COSTS	TO:			TOTAL =	589.2

ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129

COMPANY: COMMONWEALTH EDISON

EXISTING EMERGE	NCY VEHIC	LE PREEMP	TORS
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	11		11

## **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	4
PEDESTRIAN PUSH-BUTTON	EACH	4
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

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 EOUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

NO. 6

FACH EACH

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(CX/ZX) 

> PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

INTERSECTION & SAMPLING (SYSTEM)

-NO. 6

(GOLF RD)

DETECTORS

\_ INTERCONNECT TO NATIONAL PKWY

-TRACER CABLE

TS 2830

FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -		CABL	E PLAN, PHA	SE DESIG	INATIO	N DIAG	RAM, EMERGENCY	F.A.	SECTION	COUNTY	TOTAL SHEE
c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-ts2.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS	VEHICLE					DULE OF QUANTITIES		2014-008TS	СООК	81 63
	PLOT SCALE = 40.0000 '/ in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	<u> </u>	IL RTE 58	(GOLF R	D) AT I	PLUM (	GROVE RD			CONTRAC	T NO. 60X83
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	D PROJECT	

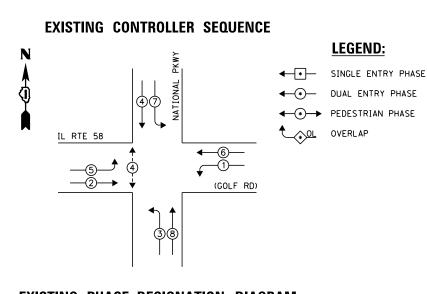
TRACER CABLE-

MA<sup>±</sup>

RD

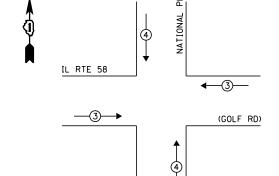
GROVE

**CABLE PLAN** (NOT TO SCALE)



## **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS							
EMERGENCY VEHICLE PREEMPTOR	3	4					
MOVEMENT	<del>-</del>	l f					

	TOTAL WATTAGE					
		NO. OF	WATTA	GE		WATTAGE
TYPE		LAMPS	INCAND.	LED	% OPERATION	
SIGNAL	(RED)	14		17	0.50	119.0
(Y	ELLOW)	14		25	0.25	87.5
(	(GREEN)			15	0.25	52 <b>.</b> 5
ARROW		16		12 0.10		19.2
PED. SIG	GNAL	2	25		1.00	50.0
CONTROL	LER	1		100	1.00	100.0
ILLUM.	SIGN	-		25	0.05	-
VIDEO S	YSTEM	-		150	1.00	-
FLASHER	?				0.50	
ENERGY COSTS TO: TOTAL =						428.2

ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY/DISTRICT 1 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: DAVE SCHACHT PHONE: (630) 437-2129

COMPANY: COMMONWEALTH EDISON

EXISTING EMERGENCY VEHICLE PREEMPTORS							
EMERGENCY VEHICLE PREEMPTOR	3	4					
MOVEMENT	<del>-</del>						

#### SCHEDULE OF QUANTITIES TOTAL ITEM DESCRIPTION UNIT MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER EACH PEDESTRIAN PUSH-BUTTON EACH MODIFY EXISTING CONTROLLER CABINET EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT EACH 6 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT EACH 4 SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT EACH

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

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

NO. 6

NATIONAL

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

FACH EACH

PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

TS 21290

INTERCONNECT TO MEACHAM RD

-TRACER CABLE

(GOLF RD)

MA

FILE NAME =	USER NAME = pociechal	DESIGNED	-	IP	REVISED -
c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-ts2.dgn	DRAWN	-	IP	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED	-	AW / LP	REVISED -
Default	PLOT DATE = 5/16/2014	DATE	-	5/15/2014	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

IL RTE 58

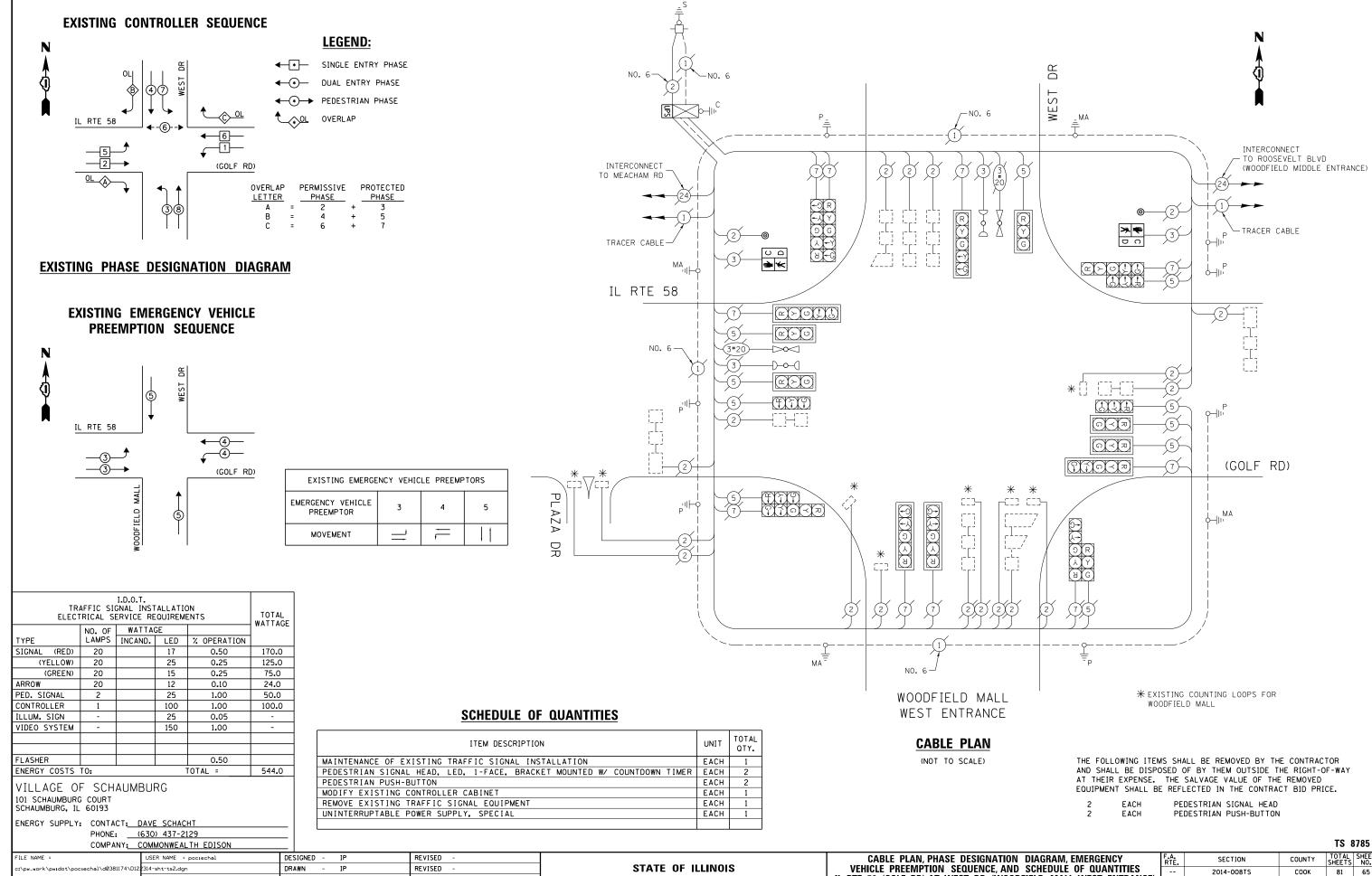
INTERCONNECT TO PLUM GROVE RD

TRACER CABLE-

- R > O \ P

2 > 0 \ \ \

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES IL RTE 58 (GOLF RD) AT NATIONAL PKWY							SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					2014-008TS	соок	81	64		
	IL KIE 58	(GOLF	KU) AI N	IATIONAL PR	WY _			CONTRACT	NO. 6	60X83
CALE.	CHEET	OF	CHEETC	CTA	TO STA			 		



STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

:\pw\_work\pwidot\pociechal\d0381174\D122314-sht-ts2.dgn

PLOT SCALE = 40.0000 '/ in.

PLOT DATE = 5/16/2014

DRAWN

DATE

CHECKED

- IP

AW / LP

5/15/2014

REVISED

REVISED

REVISED

COUNTY 81 65

CONTRACT NO. 60X83

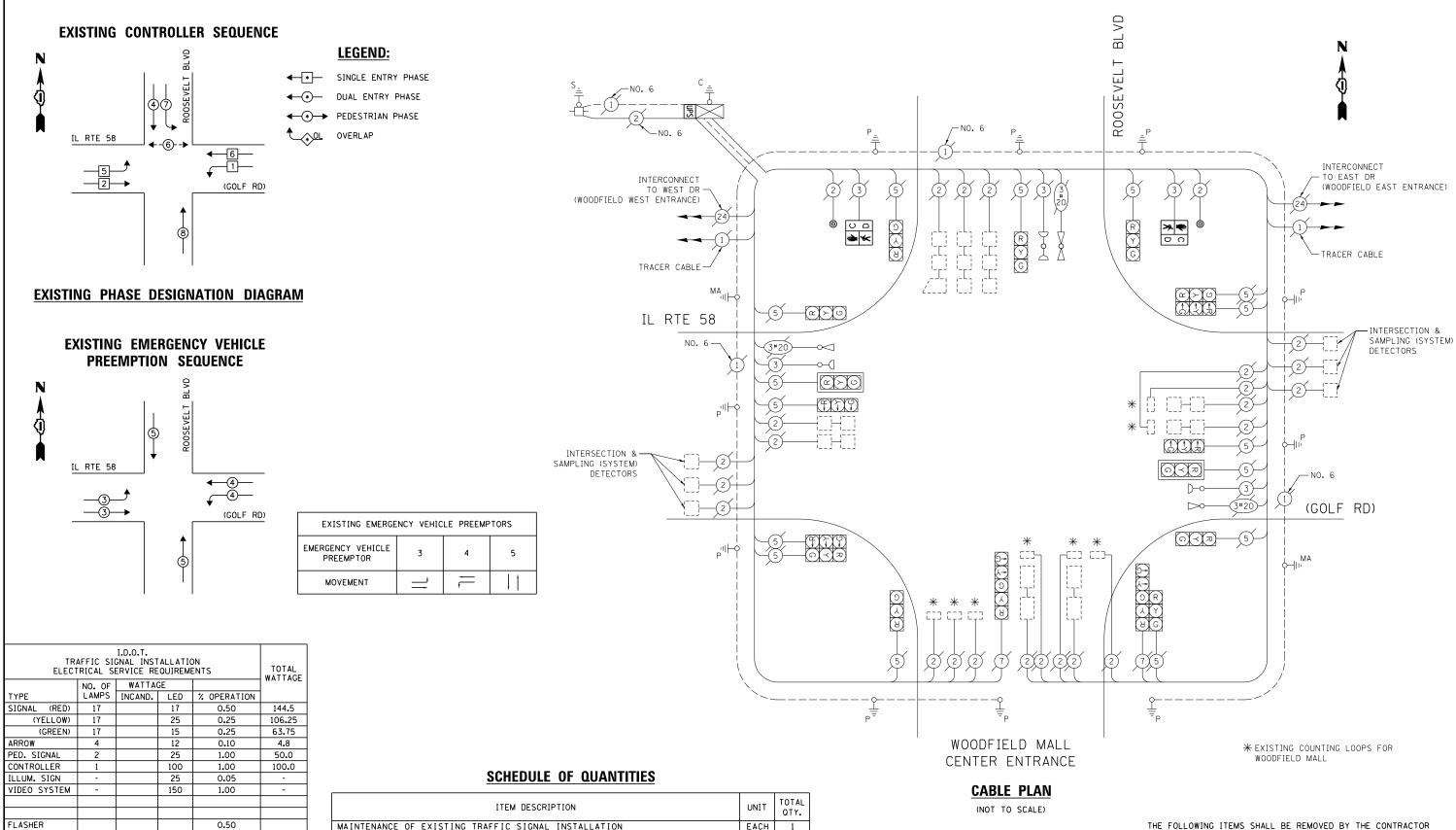
COOK

2014-008TS

IL RTE 58 (GOLF RD) AT WEST DR (WOODFIELD MALL WEST ENTRANCE)

SHEET

SHEETS STA.



### TOTAL =

463.3

VILLAGE OF SCHAUMBURG

101 SCHAUMBURG COURT SCHAUMBURG, IL 60193

ENERGY COSTS TO:

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129

COMPANY: COMMONWEALTH EDISON

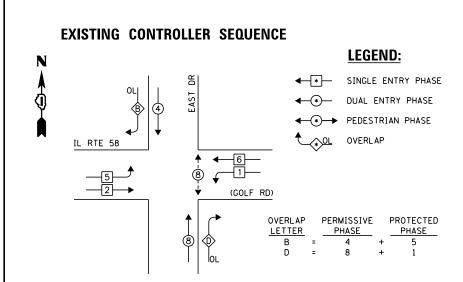
ITEM DESCRIPTION	UNIT	TOTAL QTY.			
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2			
PEDESTRIAN PUSH-BUTTON					
MODIFY EXISTING CONTROLLER CABINET	EACH	1			
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1			

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

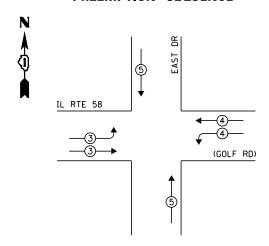
FACH PEDESTRIAN PUSH-BUTTON EACH

FILE NAM		USER NAME = pociechal	DESIGNED - IP	REVISED -		CABLE	PLAN, PHA	SE DES	IGNATIO	N DIAGR	AM, EMERGENCY	F.A.	SECTION	COUNTY	TOTAL SHEETS	L SHEET
c:\pw_wor	k\pwidot\pociechal\d0381174\D12	2314-sht-ts2.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS	VEHICLE PR	REEMPTION				ULE OF QUANTITIES		2014-008TS	соок	81	66
		PLOT SCALE = 40.0000 ' / in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 58 (GOLF RD) AT ROOSEVELT BLVD				CONTRA		T NO.	60X83			
Default		PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FE	ILLINOIS FED. AID PROJECT						



#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



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

WATTAGE

INCAND. LED % OPERATION

17

25

15

12

25

100

25

150

0.50

0.25

0.25

0.10

1.00

1.00

0.05

1.00

0.50

TOTAL =

NO. OF LAMPS

16

16

16

VILLAGE OF SCHAUMBURG

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129 COMPANY: COMMONWEALTH EDISON

SIGNAL (RED)

ARROW

PED. SIGNAL

CONTROLLER

ILLUM. SIGN

FLASHER

VIDEO SYSTEM

ENERGY COSTS TO:

101 SCHAUMBURG COURT SCHAUMBURG, IL 60193

(YELLOW)

(GREEN)

- REPLACE 14 FT PAINTED POST. RE-USE EXISTING FOUNDATION.
- REPLACE 16 FT PAINTED POST. RE-USE EXISTING FOUNDATION.
- REPLACE 18 FT PAINTED POST. RE-USE EXISTING FOUNDATION.

EXISTING EMERGENCY VEHICLE PREEMPTORS								
EMERGENCY VEHICLE 3 4 5								
MOVEMENT	=		11					

#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
REMOVE AND REPLACE ANCHOR BOLTS	EACH	3

ITEM DESCRIPTION	UNIT	TOTAL QTY.		
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	3		
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2		
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1		
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2		
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4		
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2		
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2		
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	2		
PEDESTRIAN PUSH-BUTTON	EACH	2		
MODIFY EXISTING CONTROLLER CABINET				
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT				
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		
REMOVE AND REPLACE ANCHOR BOLTS	EACH	3		

WOODFIELD MALL EAST ENTRANCE

DR

EAST

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2

#### **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.

6	EACH	TRAFFIC SIGNAL POST
12	EACH	3-SECTION SIGNAL HEAD
4	EACH	5-SECTION SIGNAL HEAD
2	EACH	TRAFFIC SIGNAL BACKPLATE
2	EACH	PEDESTRIAN SIGNAL HEAD
2	EACH	PEDESTRIAN PUSH-BUTTON

#### TS 8790

FILE NAME =	USER NAME = pociechal	DESIGNED	-	IP	REVISED -
c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-ts2.dgn	DRAWN	-	IP	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED	-	AW / LP	REVISED -
Default	PLOT DATE = 5/16/2014	DATE	-	5/15/2014	REVISED -

TOTAL WATTAGE

136.0

100.0

60.0

9.6

50.0

100.0

455.6

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

INTERCONNECT TO ROOSEVELT BLVD -

TRACER CABLE-

IL RTE 58

NO. 6

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(WOODFIELD MIDDLE ENTRANCE)

						RAM, EMERGENCY	Τ	F.
						DULE OF QUANTITIES	Ī	
IL KIE	58 (GO	LF KD) /	AI EASI	DK (WOO	DFIELD	MALL EAST ENTRANCE)	_[	
CALE:		SHEET	OF	SHEETS	STA.	TO STA.	Г	

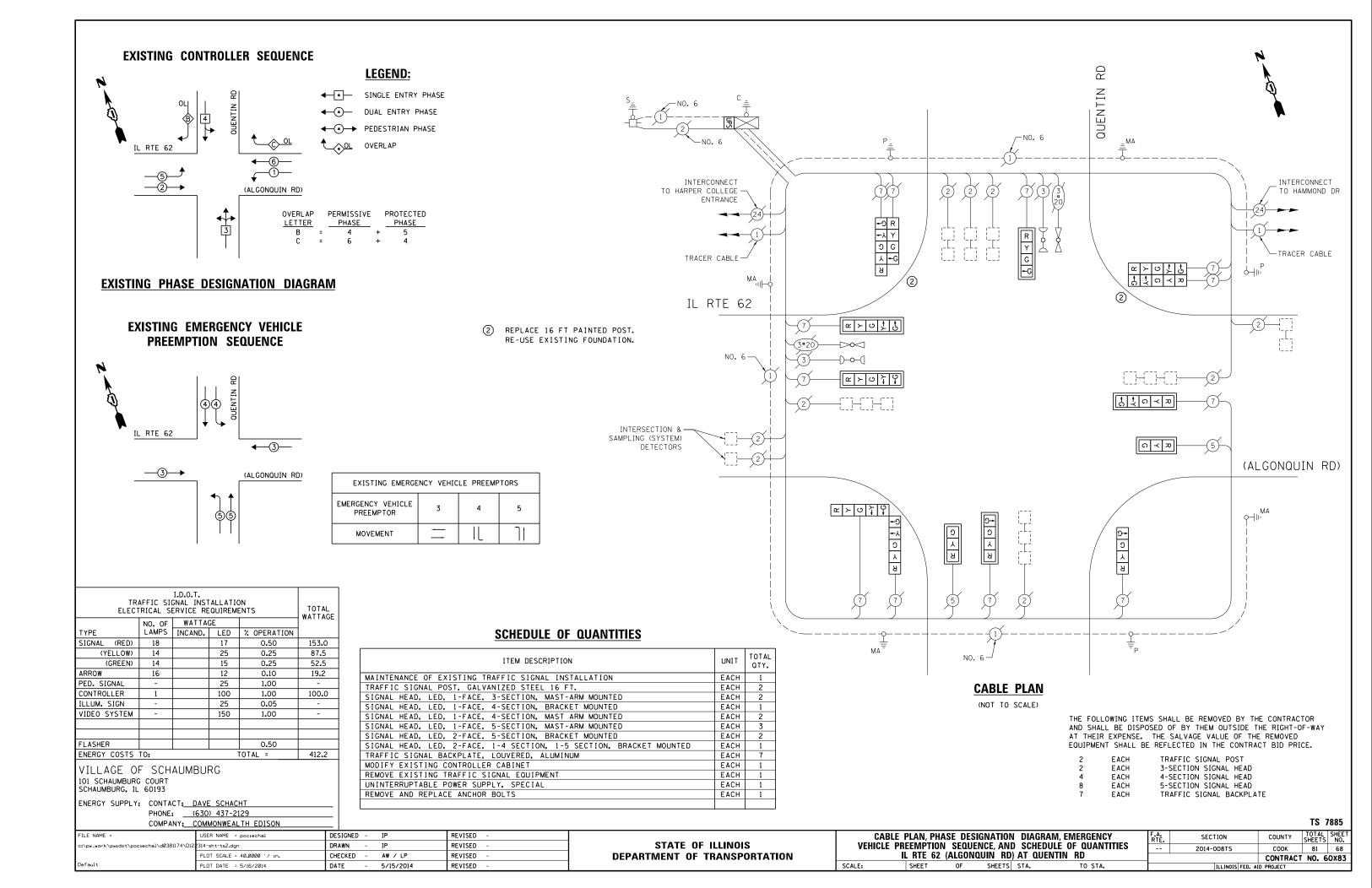
		11 - 11-01C FED 41	D DDO ICCT		
TÉ. SECTION COUNTY SHEETS NO.			CONTRACT	NO. 6	OX83
		2014-008TS	COOK	81	67
TOTAL SUFFI	A. TE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

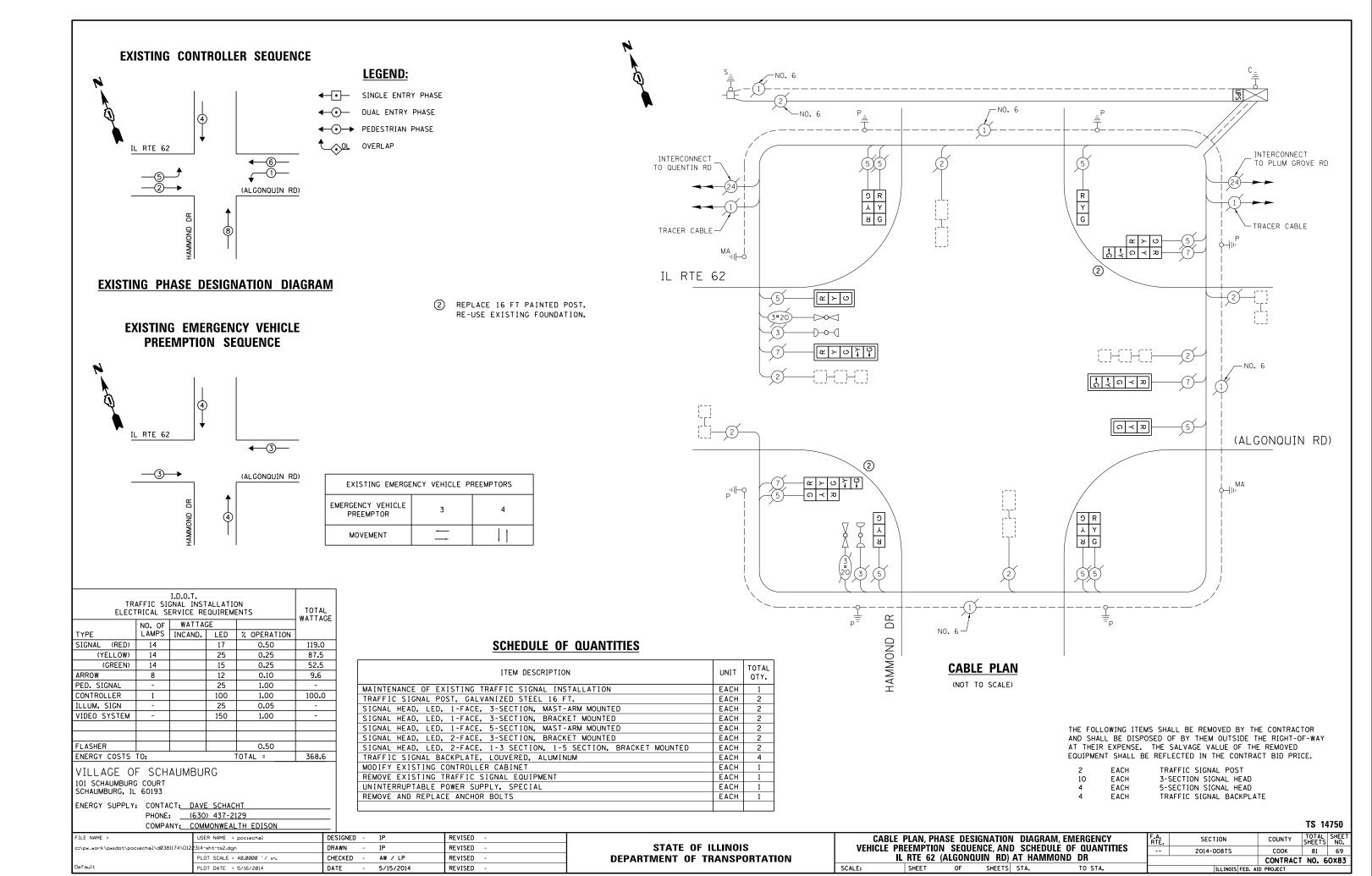
- NO. 6

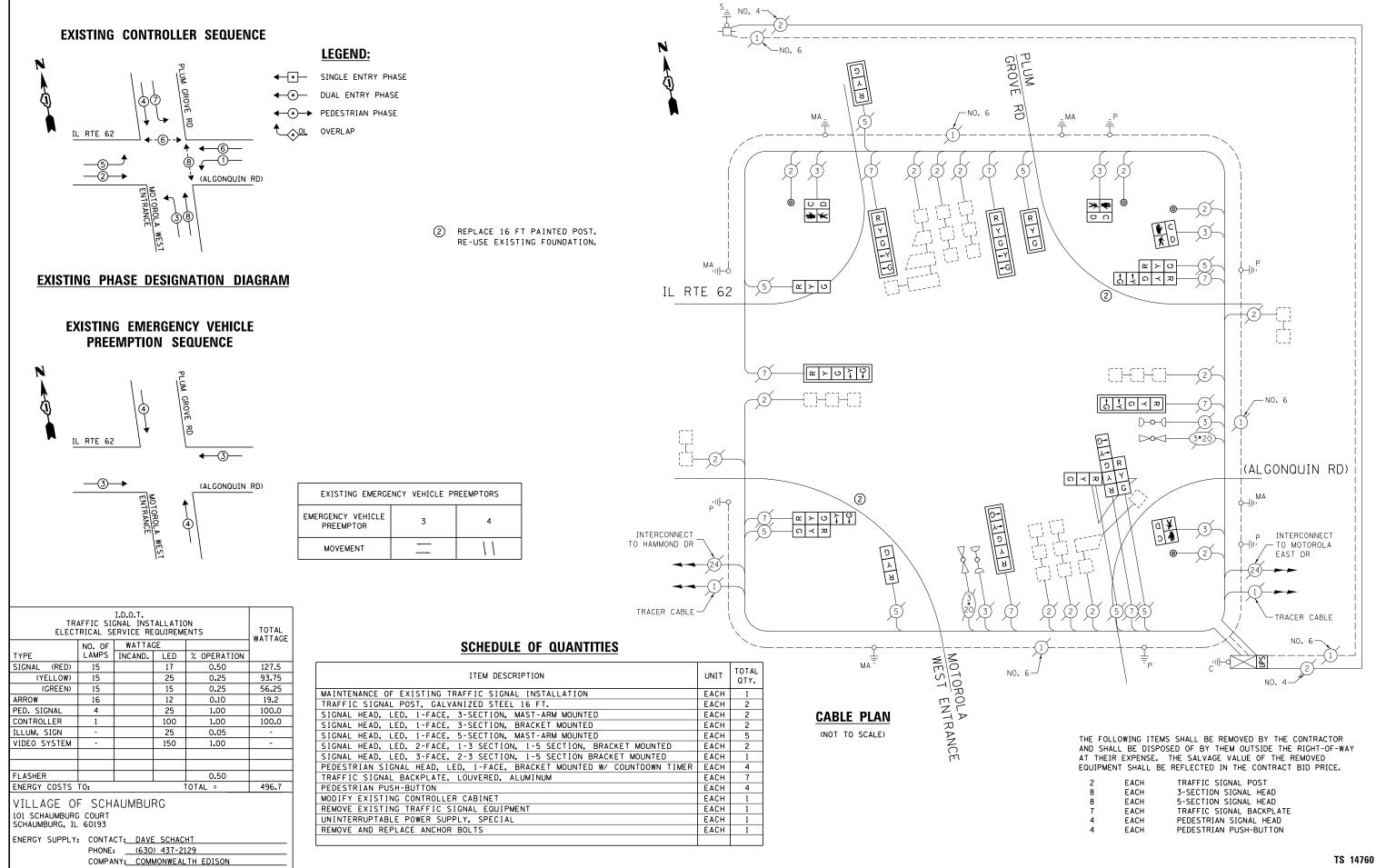
(GOLF RD)

INTERCONNECT TO MCCONNOR PKWY / WEST FRONTAGE RD

TRACER CABLE

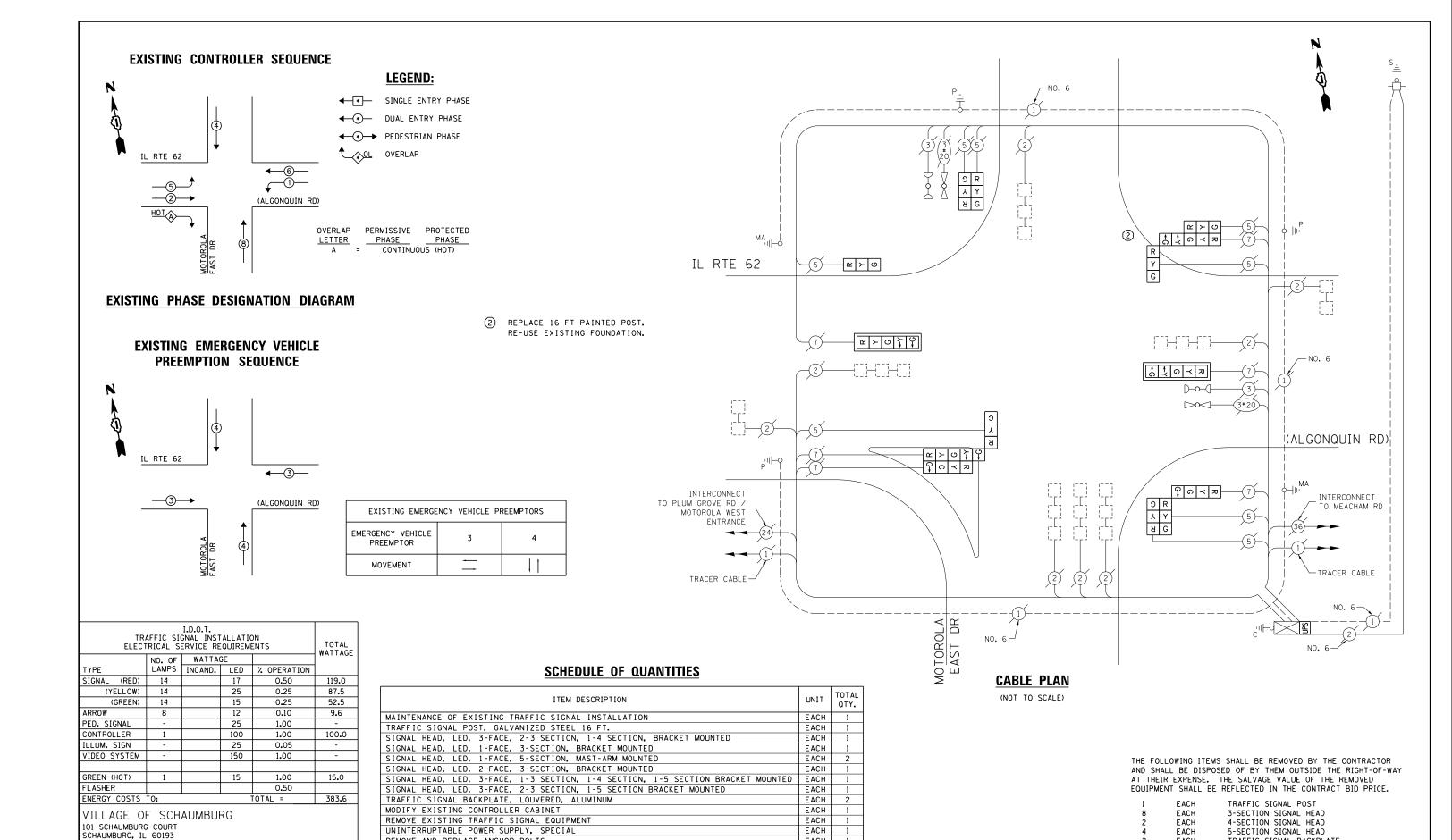






COUNTY COOK 81 70

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES USER NAME = pocied DESIGNED -REVISED SECTION STATE OF ILLINOIS :\pw\_work\pwidot\pociechal\d0381174\D122314-sht-ts2.dgn DRAWN ΙP REVISED 2014-008TS IL RTE 62 (ALGONQUIN RD) AT PLUM GROVE RD /MOTOROLA WEST DR LOT SCALE = 40.0000 '/ in. CHECKED AW / LP REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60X83 PLOT DATE = 5/16/2014 SHEET SHEETS STA. DATE 5/15/2014 REVISED



TS 14755

TRAFFIC SIGNAL BACKPLATE

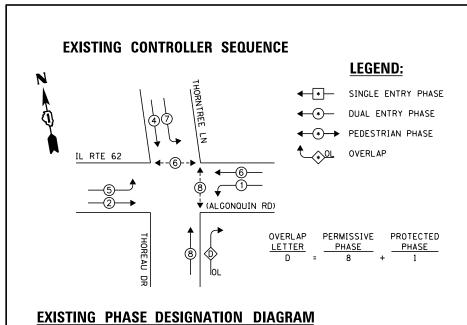
	FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -		CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY		F.A.	SECTION	COUNTY	TOTAL SHEE				
	c:\pw_work\pwidot\pociechal\dØ381174\D12	2314-sht-ts2.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS						JLE OF QUANTITIES		2014-008TS	СООК	81 71
		PLOT SCALE = 40.0000 ' / in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 62 (ALGONQUIN RD) AT MOTOROLA EAST DR				CONTRAC	T NO. 60X8				
	Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	ID PROJECT	
ı		- 3/10/2011	1 DATE 371372014	T NE VISED		JUALL.	JILLI	OI .	SHEETS	JIR.	10 31A		ILLINOIS FED. A	ID PROJECT	_

EACH

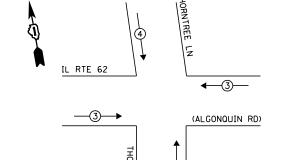
REMOVE AND REPLACE ANCHOR BOLTS

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129 COMPANY: COMMONWEALTH EDISON



#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGE	NCY VEHICLE P	REEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4		
MOVEMENT	_	11		

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
	NO. OF	WATTA	GE		WATTAGE
TYPE	LAMPS	INCAND.	LED	% OPERATION	
SIGNAL (RED)	14		17	0.50	119.0
(YELLOW)	14		25	0.25	87.5
(GREEN)	14		15	0.25	52 <b>.</b> 5
ARROW	16		12	0.10	19.2
PED. SIGNAL	4		25	1.00	100.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	-		150	1.00	-
FLASHER				0.50	
ENERGY COSTS TO: TOTAL =					

VILLAGE OF SCHAUMBURG

101 SCHAUMBURG COURT SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129

COMPANY: COMMONWEALTH EDISON

EXISTING EMERGENCY VEHICLE TREEMITORS							
EMERGENCY VEHICLE PREEMPTOR	3	4					
MOVEMENT	<del>-</del>	11					

## **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION				
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	4		
PEDESTRIAN PUSH-BUTTON	EACH	4		
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		

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.

FACH EACH PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

TS 14765

-INTERSECTION & SAMPLING (SYSTEM) DETECTORS

(ALGONQUIN RD)

INTERCONNECT

TO ARBOR DR

-TRACER CABLE

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	PLOT SCALE = 40.0000 ' / 10.	CHECKED	-	AW / LP	REVISED -
Default	PLOT DATE = 5/16/2014	DATE	-	5/15/2014	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

IL RTE 62

NO. 6-

INTERSECTION & SAMPLING (SYSTEM) DETECTORS

INTERCONNECT

TRACER CABLE

TO MEACHAM RD

MA =

THOREAU

PR

					AM, EMERGENCY	F.A. RTE.	
					OULE OF QUANTITIES LN /THOREAU DR	-	
IL RIE 02	(ALGUNUU	IIV KD)	AI INU	KIVIKEE	LN / INUREAU DK		
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		

**CABLE PLAN** 

(NOT TO SCALE)

THORNTREE

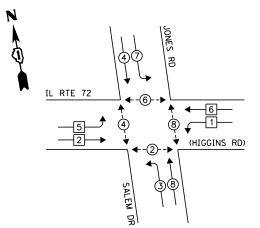
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D-O-() 

THE INOIS FED. AID PROJECT								
CONTRACT NO. 60X83								
	2014-008TS	81	72					
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				





#### LEGEND:

**★** SINGLE ENTRY PHASE DUAL ENTRY PHASE

**◆**(\*) → PEDESTRIAN PHASE

OVERLAP

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

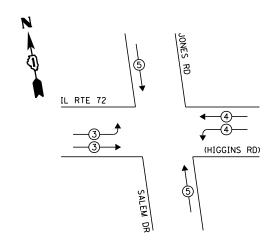
IL RTE 72

INTERCONNECT TO GANNON DR

TRACER CABLE

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS							
EMERGENCY VEHICLE PREEMPTOR	3	4	5				
MOVEMENT			11				

T ELE(	TOTAL WATTAGE				
	NO. OF	WATTA	GE		MATTAGE
TYPE	LAMPS	INCAND.	LED	% OPERATION	
SIGNAL (RED)	20		17	0.50	170.0
(YELLOW)	20		25	0.25	125.0
(GREEN)	20		15	0.25	75.0
ARROW	8		12	0.10	9.6
PED. SIGNAL	8		25	1.00	200.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	-		150	1.00	-
FLASHER				0.50	
ENERGY COSTS TO: TOTAL =					679.6

ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY/DISTRICT 1 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: DAVE SCHACHT

PHONE: (630) 437-2129 COMPANY: COMMONWEALTH EDISON

EXISTING EMERGENCY VEHICLE PREEMPTORS							
EMERGENCY VEHICLE PREEMPTOR	3	4	5				
MOVEMENT	11	IL	11				

#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION					
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	4			
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2			
MODIFY EXISTING CONTROLLER CABINET	EACH	1			
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1			
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	6			

**CABLE PLAN** 

MA =

(NOT TO SCALE)

RD

RESIDE

**≯** €

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.

FACH EACH

**≫** €

SALEM

R

PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON

(HIGGINS RD)

INTERCONNECT - TO IL RTE 58

TRACER CABLE

TS 3255

COUNTY TOTAL SHEET NO.

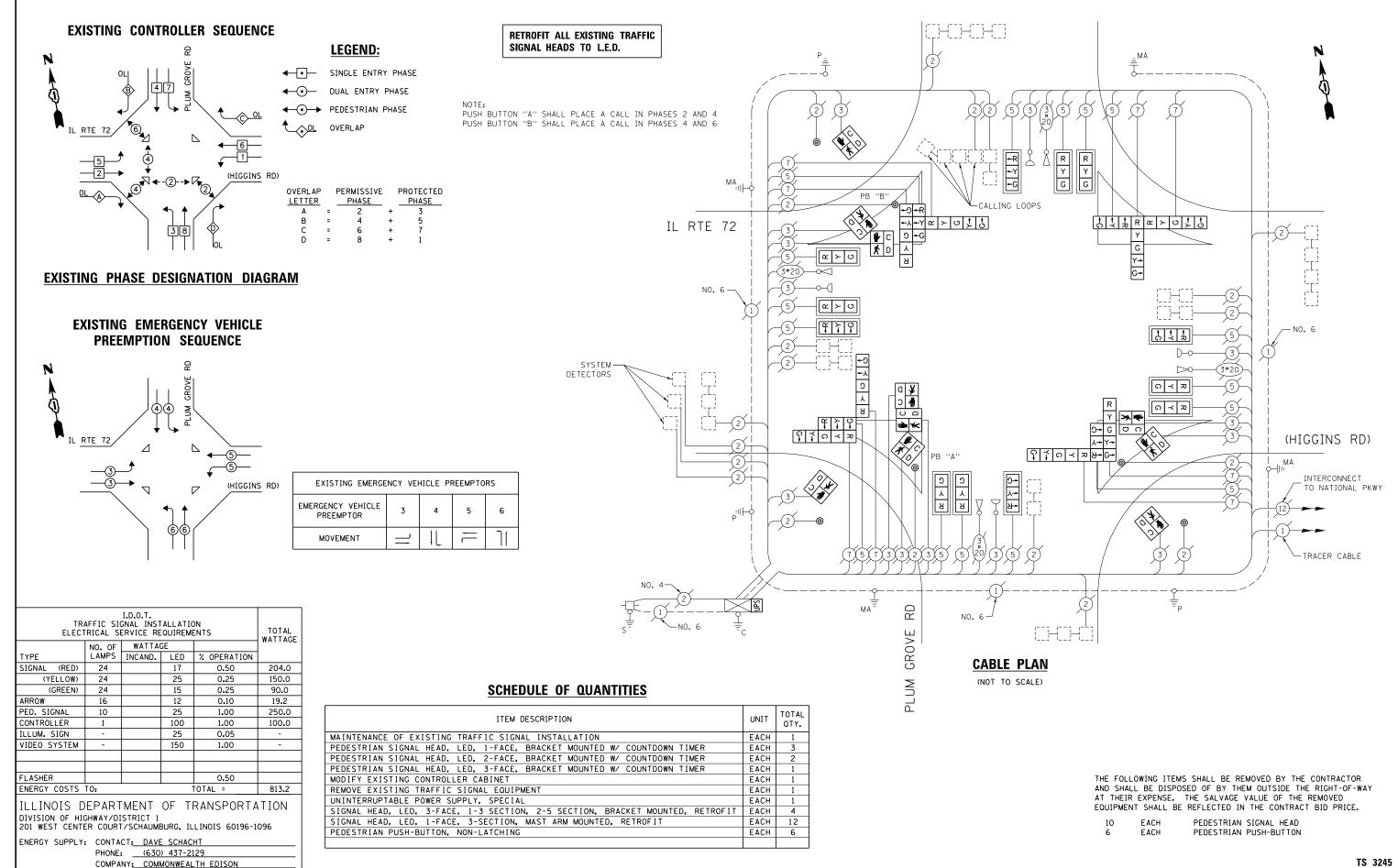
COOK 81 73

CONTRACT NO. 60X83

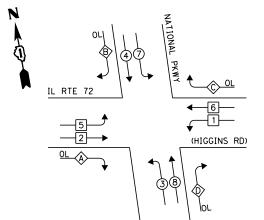
Default	PLOT DATE = 5/16/2014	DATE	-	5/15/2014	REVISED -
	PLOT SCALE = 40.0000 '/ in.	CHECKED	-	AW / LP	REVISED -
c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-ts2.dgn	DRAWN	-	IP	REVISED -
FILE NAME =	USER NAME = pociechal	DESIGNED	-	IP	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

					RAM, EMERGENCY	F.A. RTE.	SECTION
VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES IL RTE 72 (HIGGINS RD) AT JONES RD /SALEM DR						2014-008TS	
IL K	E /2 (H	IGGINS K	D) AI JUI	NE2 K	D / SALEINI DK		
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS



CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES USER NAME = pociecha DESIGNED - IP REVISED SECTION COUNTY STATE OF ILLINOIS :\pw\_work\pwidot\pociechal\d0381174\D122314-sht-ts2.dgn DRAWN - IP REVISED 2014-008TS COOK 81 74 IL RTE 72 (HIGGINS RD) AT PLUM GROVE RD PLOT SCALE = 40.0000 '/ in. CHECKED AW / LP REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60X83 PLOT DATE = 5/16/2014 SHEET SHEETS STA. DATE 5/15/2014 REVISED



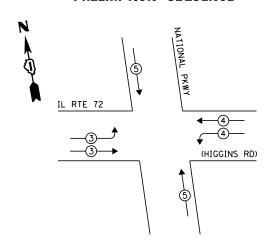
#### LEGEND:

<b>-</b>	SINGLE ENTRY PHAS
<b>←</b>	DUAL ENTRY PHASE
$\longleftarrow \!$	PEDESTRIAN PHASE
	OVERLAP

OVERLAP		PERMISSIVE		PROTECTE
LETTER		PHASE		PHASE
Α	=	2	+	3
В	=	4	+	5
С	=	6	+	7
D	=	8	+	1

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGE	NCY VEHIC	LE PREEMP	TORS		
EMERGENCY VEHICLE PREEMPTOR	3	4	5		
MOVEMENT	1	J	11		

EXISTING EMERGE	NCY VEHIC	LE PREEMP	TORS
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT		=	11

#### I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS TOTAL WATTAGE NO. OF LAMPS WATTAGE INCAND. LED % OPERATION SIGNAL (RED) 20 0.50 170.0 17 (YELLOW) 20 25 0.25 125.0 (GREEN) 20 15 0.25 75.0 ARROW 24 12 0.10 28.8 PED. SIGNAL 25 1.00 100.0 CONTROLLER 100 1.00 ILLUM. SIGN 25 0.05 VIDEO SYSTEM 150 1.00

ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY/DISTRICT I
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY COSTS TO:

FLASHER

ENERGY SUPPLY: CONTACT: DAVE SCHACHT PHONE: (630) 437-2129 COMPANY: COMMONWEALTH EDISON

0.50

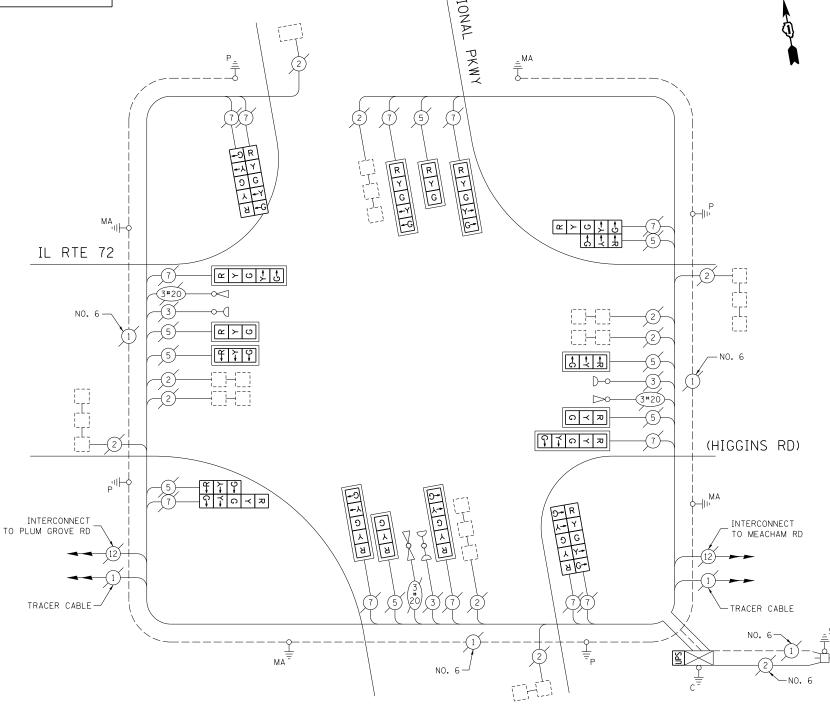
498.8

TOTAL =

# SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY.			
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			
MODIFY EXISTING CONTROLLER CABINET	EACH	1			
UNINTERRUPTABLE POWER SUPPLY, SPECIAL					
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT	EACH	2			
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	6			
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	6			
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED RETROFIT	EACH	2			

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



## **CABLE PLAN**

(NOT TO SCALE)

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

001111 7111 1 <u>0</u>	OHIMOTHIE THE EDISOR	—											
FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -		CAE	BLE PLAN, PH	ASE DES	IGNATION DIAGRA	M, EMERGENCY	F.A.	SECTION	COUNTY	TOTAL SHE
c:\pw_work\pwidot\pociechal\dØ381174\D12	314-sht-ts2.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS	VEHICLE				JLE OF QUANTITIES		2014-008TS	соок	81 75
	PLOT SCALE = 40.0000 '/ in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION		IL RTE 72	(HIGGIN	IS RD) AT NATIONA	AL PKWY			CONTRAC	CT NO. 60X8
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED. A	ID PROJECT	

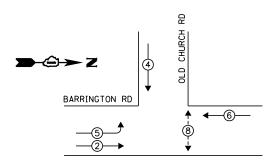
#### SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	8

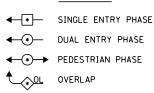
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EOUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8 EACH PEDESTRIAN PUSH-BUTTON

FILE NAME =	USER NAME = pociechal	DESIGNED -	IP	REVISED -		SCHEDULE OF QUANTITIES							SECTION	COUNTY	TOTAL	SHEET	ſ
c:\pw_work\pwidot\pociechal\d0381174\D12	2314-sht-ts2.dgn	DRAWN -	IP	REVISED -	STATE OF ILLINOIS	IL RTE 72 (HIGGINS RD) AT MEACHAM RD			RTE.	2014-008TS	соок	81	76	-			
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION					2011 20212	CONTRAC	T NO. F	50X83	,-			
Default	PLOT DATE = 5/16/2014	DATE -	5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT			7



#### LEGEND:



#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS								
EMERGENCY VEHICLE PREEMPTOR	3	4						
MOVEMENT	<del>-</del>							

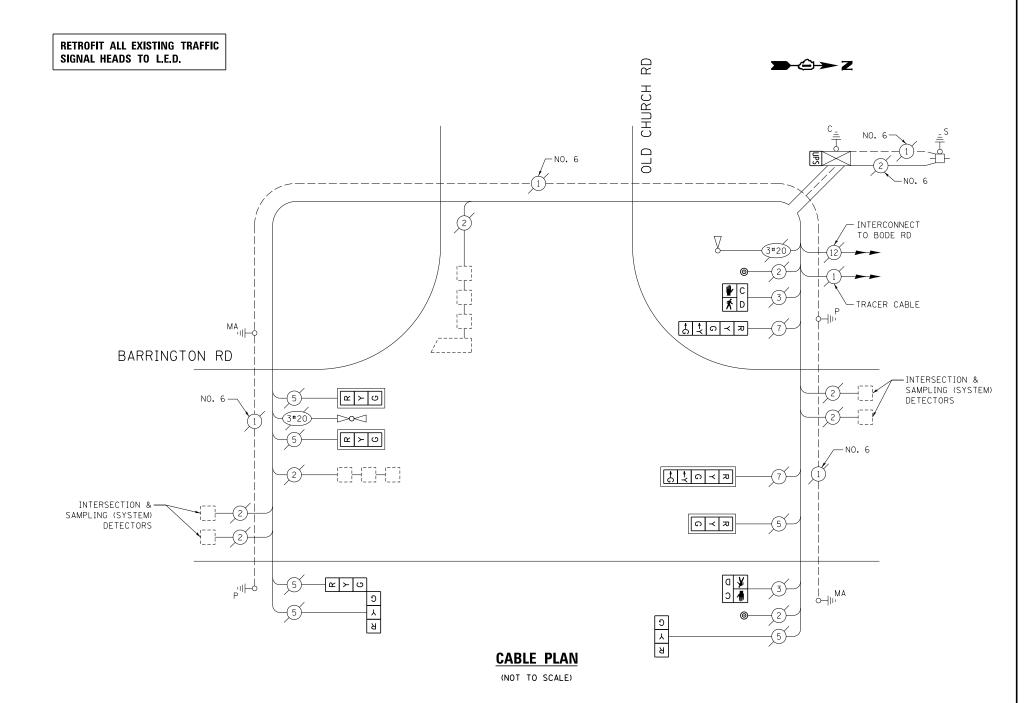
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS							
	NO. OF	WATTA	GE		WATTAGE		
TYPE	LAMPS	INCAND.	LED	% OPERATION			
SIGNAL (RED)	8		17	0.50	68.0		
(YELLOW)	8		25	0.25	50.0		
(GREEN)	8		15	0.25	30.0		
ARROW	4		12	0.10	4.8		
PED. SIGNAL	2		25	1.00	50.0		
CONTROLLER	1		100	1.00	100.0		
ILLUM. SIGN	-		25	0.05	-		
VIDEO SYSTEM	-		150	1.00	-		
FLASHER				0.50			
ENERGY COSTS	T0:			TOTAL =	302.8		

VILLAGE OF STREAMWOOD 301 E. IRVING PARK RD STREAMWOOD, IL 60107

ENERGY SUPPLY: CONTACT: JOE STACHO PHONE: (630) 424-5704

COMPANY: COMMONWEALTH EDISON

USER NAME = pociechal DESIGNED - IP REVISED c:\pw\_work\pwidot\pociechal\d0381174\D122314-sht-ts3.dgn DRAWN - IP REVISED PLOT SCALE = 40.0000 '/ in. CHECKED - AW / LP REVISED PLOT DATE = 5/16/2014 DATE 5/15/2014 REVISED 77 X83



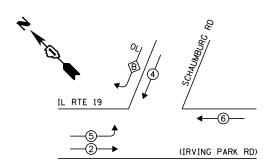
#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	1
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1

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 FACH EACH PEDESTRIAN PUSH-BUTTON

07177 07 11111010	CABLE		SE DESIG				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHE
STATE OF ILLINOIS	VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES							2014-008TS	COOK	81	7
DEPARTMENT OF TRANSPORTATION		BARRING	TON RD						CONTRACT	NO. 60	0X8
	CCALE.	CHEET	OΕ	CHEETC	CTA	TO STA		L. Diete 550 11			



#### LEGEND:

**★** SINGLE ENTRY PHASE ◆ DUAL ENTRY PHASE ◆ ◆ PEDESTRIAN PHASE OL OVERLAP

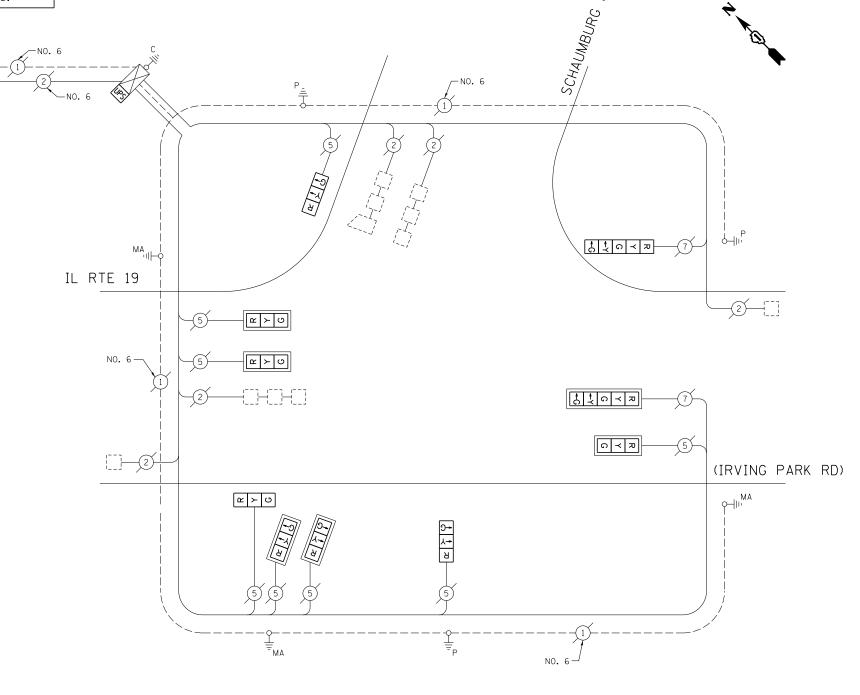
#### **EXISTING PHASE DESIGNATION DIAGRAM**

		I.D.O.T. GNAL INST ERVICE RE	TOTAL WATTAGE			
	NO. OF	WATTA	GE		"^ ' ' ^ C	
TYPE	LAMPS	INCAND.	LED	% OPERATION		
SIGNAL (RED)	10		17	0.50	85.0	
(YELLOW)	10		25	0.25	62.5	
(GREEN)	10		15	0.25	37.5	
ARROW	4		12	0.10	4.8	
PED. SIGNAL	-		25	1.00	-	
CONTROLLER	1		100	1.00	100.0	
ILLUM. SIGN	-		25	0.05	-	
VIDEO SYSTEM	-		150	1.00	-	
FLASHER	-		25	0.50	-	
ENERGY COSTS	TO:			TOTAL =	289.8	

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON

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



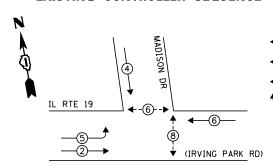
#### **CABLE PLAN**

(NOT TO SCALE)

#### **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT	EACH	1

FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -		CABLE PLAN, PHASE DESIGNATION DIAGRAM,				F.A. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.	
c:\pw_work\pwidot\pociechal\d0381174\D1	22314-sht-ts3.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS	AND SCHEDULE OF QUANTITIES				2014-008TS	соок	81 78		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 19 (IRVING PARK RD) AT SCHAUMBURG RD						CONTRACT	T NO. 60X83	
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.	ILLINOIS FED			



#### LEGEND:

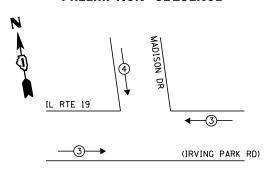
**★** SINGLE ENTRY PHASE **◆**■ DUAL ENTRY PHASE **◆**(\*)→ PEDESTRIAN PHASE

OVERLAP OVERLAP

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

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS											
EMERGENCY VEHICLE PREEMPTOR	3	4									
MOVEMENT	=	1									

	AFFIC SIO	TOTAL WATTAGE			
	NO. OF	WATTA	GE		""   "   "   "   "   "   "   "   "
TYPE	LAMPS	INCAND.	LED	% OPERATION	
SIGNAL (RED)	10		17	0.50	85.0
(YELLOW)	10		25	0.25	62.5
(GREEN)	10		15 0.25		37 <b>.</b> 5
ARROW	4		12	0.10	4.8
PED. SIGNAL	4		25	1.00	100.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	-		150	1.00	-
FLASHER				0.50	
ENERGY COSTS	TO:			TOTAL =	389.8

VILLAGE OF STREAMWOOD

301 E. IRVING PARK RD STREAMWOOD, IL 60107

ENERGY SUPPLY: CONTACT: JOE STACHO

PHONE: (630) 424-5704

COMPANY: COMMONWEALTH EDISON

## **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.					
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1					
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2					
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	1					
MODIFY EXISTING CONTROLLER CABINET							
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1					
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1					
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	3					

# **CABLE PLAN**

(NOT TO SCALE)

MADISON

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

EACH EACH PEDESTRIAN SIGNAL HEAD

(IRVING PARK RD)

PEDESTRIAN PUSH-BUTTON

TS 1932

FILE NAME =		USER NAME = pociechal	DESIGNED - IP	REVISED -		CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY						F.A.	SECTION	COUNTY	TOTAL SHEETS	SHEET
c:\pw_work\pwidot\p	pociechal\d0381174\D12	2314-sht-ts3.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS	VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES  IL RTE 19 (IRVING PARK RD) AT MADISON DR		2014-008TS	соок	81	79					
		PLOT SCALE = 40.0000 ' / in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 19 (IRVING PARK RD) AT MADISON DR					DISON DR			CONTRAC	T NO. 6	50X83
Default		PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		

МА

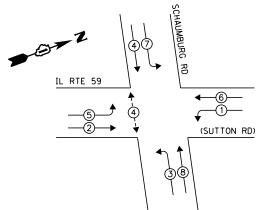
NO. 6

IL RTE 19

INTERCONNECT TO IL RTE 59 — (SUTTON RD)

TRACER CABLE-

NO. 6-



#### LEGEND:

**★** SINGLE ENTRY PHASE

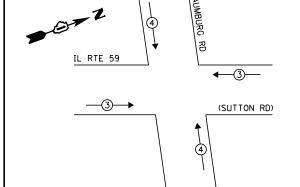
**◆**■ DUAL ENTRY PHASE

◆ PEDESTRIAN PHASE

OVERLAP OVERLAP

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGE	NCY VEHICLE PR	REEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	=	11

TR ELEC	TOTAL WATTAGE				
	NO. OF	WATTA	GE		WATTAGE
TYPE	LAMPS	INCAND.	LED	% OPERATION	
SIGNAL (RED)	12		17	0.50	102.0
(YELLOW)	12		25	0.25	75.0
(GREEN)	12		15	0.25	45.0
ARROW	16		12	0.10	19.2
PED. SIGNAL	2		25	1.00	50.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	-		150	1.00	-
FLASHER	-		25	0.50	-
ENERGY COSTS	TO:			ΓΩΤΔΙ =	391.2

ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: JOE STACHO

PHONE: (630) 424-5704 COMPANY: COMMONWEALTH EDISON

## **SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

## **CABLE PLAN**

NO. 6

SCHAUMBURG

RD

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क्रियान

(NOT TO SCALE)

CALLING LOOPS

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.

(SUTTON RD)

INTERCONNECT - TO IL RTE 58 (GOLF RD)

TRACER CABLE

MΑ

4	EACH	3-SECTION SIGNAL HEAD
8	EACH	5-SECTION SIGNAL HEAD
8	EACH	TRAFFIC SIGNAL BACKPLATE
2	EACH	PEDESTRIAN SIGNAL HEAD
2	EACH	PEDESTRIAN PUSH-BUTTON

TS 2910

FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -		CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES					F.A. RTE.	SECTION	COUNTY	TOTAL SHEET!	SHEET S NO.	
c:\pw_work\pwidot\pociechal\d0381174\D12	314-sht-ts3.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS	VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES  IL RTE 59 (SUTTON RD) AT SCHAUMBURG RD					2014-008TS	соок	81	80		
	PLOT SCALE = 40.0000 '/ in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	I	L RTE 59	(SUTTON	IRD)A	T SCH	AUMBURG RD			CONTRAC	JT NO.	60X83
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEET	TS STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

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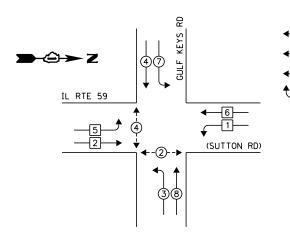
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IL RTE 59

INTERCONNECT TO IL RTE 19 (IRVING PARK RD)

TRACER CABLE-



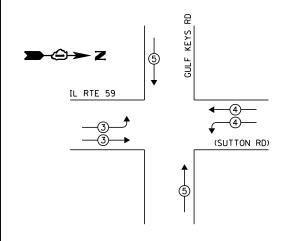
#### LEGEND:

**★** SINGLE ENTRY PHASE DUAL ENTRY PHASE **◆**(\*) → PEDESTRIAN PHASE

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

#### **EXISTING PHASE DESIGNATION DIAGRAM**

#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS									
EMERGENCY VEHICLE PREEMPTOR	3	4	5						
MOVEMENT		=	11						

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						
		NO. OF	WATTA	GE		WATTAGE
TYPE		LAMPS	INCAND.	LED	% OPERATION	
SIGNAL	(RED)	17		17	0.50	144.5
(YELLOW)		17		25	0.25	106.25
(GREEN)		17		15	0.25	63.75
ARROW		8		12	0.10	9.6
PED. SIGNAL		4		25	1.00	50.0
CONTROLLER		1		100	1.00	100.0
ILLUM. SIGN		-		25	0.05	-
VIDEO SYSTEM		-		150	1.00	-
FLASHER	?				0.50	
FNFRGY	COSTS	TO:			TOTAL =	474.1

VILLAGE OF STREAMWOOD

301 E. IRVING PARK RD STREAMWOOD, IL 60107

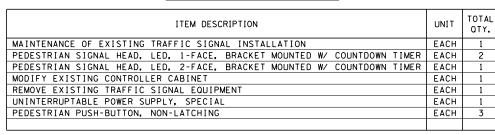
ENERGY SUPPLY: CONTACT: JOE STACHO

PHONE: (630) 424-5704

COMPANY: COMMONWEALTH EDISON

EXISTING EMERGENCY VEHICLE PREEMPTORS									
EMERGENCY VEHICLE PREEMPTOR	3	4	5						
MOVEMENT	=	=							

#### **SCHEDULE OF QUANTITIES**



KEYS **>**2 GULF \_NO. 6 CATOCAD IL RTE 59  $\triangleright$ (SUTTON RD) 037 CENTER OF THE INTERCONNECT INTERCONNECT TO IL RTE 19 TO US RTE 20 (IRVING PARK RD) **≫** € TRACER CABLE TRACER CABLE MA **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

PEDESTRIAN SIGNAL HEAD

FACH EACH PEDESTRIAN PUSH-BUTTON

EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

	2010101														
FILE NAME =	USER NAME = pociechal	DESIGNED - IP	REVISED -		CABLE	PLAN, PHA	ASE DESIG	GNATIO	N DIAGRAI	M, EMERGENCY	F.A.	SECTION	COUNTY	TOTAL	SHEE
c:\pw_work\pwidot\pociechal\d0381174\D12	314-sht-ts3.dgn	DRAWN - IP	REVISED -	STATE OF ILLINOIS						LE OF QUANTITIES		2014-008TS	СООК	81	81
	PLOT SCALE = 40.0000 '/ in.	CHECKED - AW / LP	REVISED -	DEPARTMENT OF TRANSPORTATION	IL RTE 59 (SUTTON RD) AT GULF KEYS RD							CONTRA		T NO.	60X8?
Default	PLOT DATE = 5/16/2014	DATE - 5/15/2014	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		