06-10-2016 LETTING ITEM 027

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

**DIVISION OF HIGHWAYS** 

# PROPOSED HIGHWAY PLANS

VARIOUS LOCATIONS IN DISTRICT 1 CONTRACT NO. 2 SECTION: 2015–003TS LIGHT EMITTING DIODE (LED) INSTALLATION VARIOUS COUNTIES

C-91-249-15

FOR LOCATION MAP SEE SHEETS NO. 4-12

**VARIOUS TOWNSHIPS** 

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 /SHARDAY SMITH PROJECT MANAGER: DARYLE DREW (847) 705-4424

CONTRACT NO. 62A56

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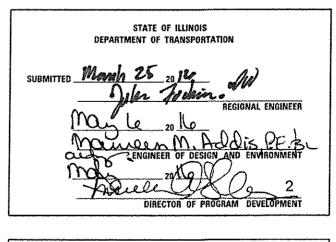
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-00375	VARIOUS	59	1
	ILLINOIS	CONTRACT	NO. 6	2A56







## PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

#### **INDEX OF SHEETS**

	SHT NO.		DESCRIPTION	
	1 2 4-12 13-15 16-22		COVER SHEET INDEX OF SHEETS, HIGHWAY STAND LOCATION MAPS SUMMARY OF OUANTITIES DISTRICT 1 STANDARD TRAFFIC SI	
	SHT NO.	TS NO.	INTERSECTION NAME	
	23	21940 11705 11706 11700 20530 6511 7741 75112 12155 12160 502 13145 6077 5448 10595 6516 1535 14205 14215 6840	IL RTE 120 (BELVIDERE RD) AT GI IL RTE 60 AT 1-94 E RAMP IL RTE 60 AT 1-94 W RAMP IL RTE 60 AT RIVERWOODS BLVD IL RTE 60 AT RIVERWOODS BLVD IL RTE 60 AT SAUNDERS RD / FI US RTE 12 / IL RTE 59 AT VOLO IL RTE 176 AT NEWPORT CT IL RTE 17 (159TH ST) AT 1-355 WE IL RTE 7 (159TH ST) AT 1-355 WE IL RTE 7 (159TH ST) AT 1-355 WE IL RTE 68 (DUNDEE RD) AT IL RTI IL RTE 68 (DUNDER RD) AT IL RTI US RTE 20 (LAKE ST) AT NAPERVI IL RTE 63 (ROHLWING RD) AT NER US RTE 20 (LAKE ST) AT NORTH A OAKTON ST AT RIVER DR IL RTE 12 / IL RTE 59 WEST RAI US RTE 12 / IL RTE 59 WEST RAI US RTE 41 (SKOKIE BLVD) AT HIBE STH AVE AT CHICAGO AVE MADISON ST AT 17TH AVE IL RTE 59 AT IL RTE 132 (GRAND	/ BRADLEY RD ELD CT VILLAGE RD SI RAMP SI RAMP E 53 WEST RAMPS E 53 EAST RAMPS LLE RD GE RD VVE/EAST BARTLETT RD FT FOOD/THREE LAKE DRIVE MP AT LL RTE 176 JARD RD
	24	1480 7257 11525 7250 7255 11530 22556 7519 7516 7550 21801 21800 7526 7521 7526 7521 7526 7521 7526 7521 7526 7521 7522 7526 7521 7522 7522 7522 7522 21800 21782 21780 22552 21803 21782 7430 21828 10125 11735 12005 2860	US RTE 34 (OGDEN AVE) AT WOLF US RTE 14 AT COG CIRCLE US RTE 14 AT COG CIRCLE US RTE 14 AT CRYSTAL POINT MA US RTE 14 AT PINGREE RD US RTE 14 AT PINGREE RD US RTE 14 AT PINGREE RD US RTE 171 (STATE ST) AT OHIO IL RTE 171 (STATE ST) AT OHIO SIL RTE 171 (STATE ST) AT OLY ST IL RTE 171 (STATE ST) AT OLY ST IL RTE 50 (CICERO AVE) AT GOVE IL RTE 53 (SCOTT ST) AT OHIO SI IL RTE 53 (SCOTT ST) AT OHIO SI IL RTE 7 (9TH ST) AT FARRELL IL RTE 7 (9TH ST) AT TAR ST IL RTE 7 (9TH ST) AT HAMILTON IL RTE 7 (9TH ST) AT MADISON S IL RTE 7 (9TH ST) AT MADISON S IL RTE 7 (9TH ST) AT READ ST / IL RTE 7 (9TH ST) AT READ ST / IL RTE 7 (9TH ST) AT AT MADISON S IL RTE 30 (CASS ST) AT HENDERS US RTE 30 (CASS ST) AT HENDERS US RTE 30 (CASS ST) AT HENDERS US RTE 30 (JEFFERSON ST) AT EASTERN US RTE 30 (JEFFERSON ST) AT CAU ST TE 30 (PLAINFIELD RD) AT CA US RTE 30 (PLAINFIELD RD) AT CA US RTE 30 (HARLEM AVE) AT HARL HICKS RD AT HELEN RD HICKS RD AT SELLSTROM DR IL RTE 58 (GOLF RD) AT RING RD	LL ST TT F SN ST RNORS HIGHWAY T T RD AVE (STATE ST) T LOCH LN (T (THEODORE ST) N AVE SON S3 (SCOTT ST) STERN AVE ATON FARM / GAYLORD RD JS RTE 52 (RAYNOR AVE)
	25 26 27 28 30 31 32 33 34 35 36 37 38 39 40	1011 3840 8325 FL830 15087 7393 7388 7415 7480 7386 11270 1325 4640 FL170 13070 2005	123RD ST (MCCARTHY RD) AT WOLF 55TH ST AT COUNTY LINE RD HIGHLAND AVE AT 15TH ST IL RTE 47 AT IL RTE 173 IL RTE 47 AT IRVING AVE / JUDD I-80 SOUTH RAMP AT BRIGGS ST US RTE 30 (LINCOLN HWY) AT US US RTE 30 (LINCOLN HWY) AT US US RTE 20 (LAKE ST) AT BARTLET US RTE 20 (LAKE ST) AT BARTLET US RTE 20 (LAKE ST) AT OAK AVE IL RTE 31 (BATAVIA AVE) AT MAIN IL RTE 31 AT MOOSEHEART ENTRAI DES PLAINES RIVER RD AT PERRY IL RTE 21 (MILWAUKEE AVE) AT CE	) ST RTE 45 (LAGRANGE RD) ST ST OXFORD DR T RD I ST VCE ST
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#### **INDEX OF SHEETS (CONT'D)**

SHT NO.	IS NO.	INTERSECTION NAME
41	FL210	IL RTE 47 AT MAIN ST
42	14275	IL RTE 43 / IL RTE 58 (WAUKEGAN RD) AT EMERSON ST
43	14280	IL RTE 43 / IL RTE 58 (WAUKEGAN RD) AT BECKWITH RD
44	5175	GOLF RD AT GLENVIEW COUNTRY CLUB
45	5255	OAKTON ST AT GROSS POINT RD
46	5155	GOLF RD AT HARMS RD
47	4155	BALLARD RD AT POTTER RD
48	11483	IL RTE 31 AT IL RTE 56 / STATE ST
49	5930	WILLOW RD AT OLD WILLOW RD
50	5250	GROSS POINT RD AT LARAMIE AVE / CAROL RD
51	4870	CHURCH ST AT NILES CENTER RD
52	877	IL RTE 64 AT PECK RD
53	875	IL RTE 64 AT RANDALL RD
54	FL857	IL RTE 38 EB AT ST CHARLES ILLINOIS YOUTH CENTER
55	20390	IL RTE 38 AT ST CHARLES MALL
56	1930	IL RTE 59 (NEW SUTTON RD) AT IL RTE 19 (IRVING PARK RD)
57	868	IL RTE 47 AT WHEELER RD / BLISS RD
58	6515	US RTE 12 / IL RTE 59 EAST RAMP AT IL RTE 176
59	3200	IL RTE 68 (DUNDEE RD) AT WOLF RD

#### **HIGHWAY STANDARDS**

#### STD. NO. TITLE

701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15'(4.5 M) TO 24''(600 MM) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15'(4.5 M) TO 24''(600 MM) FROM PAVEMENT EDGE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-05	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SECHENCES

- DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- UNINTERRUPTABLE POWER SUPPLY (UPS) 862001-01
- TRAFFIC SIGNAL MOUNTING OFTAILS 880006-01

#### **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:

13145 IL RTE 53 (ROHLWING RD) AT NERGE RD

ELK GROVE VILLAGE 901 WELLINGTON AVE ELK GROVE VILLAGE, IL 60007 (847) 439-3900

RED SPEED, LLC. 400 EISENHOWER LANE LOMBARD, ILLINOIS 60148 (630) 317-5700

6516 US RTE 12 / IL RTE 59 WEST RAMP AT IL RTE 176

VILLAGE OF WAUCONDA 101 N MAIN ST WAUCONDA, IL 60084 (847) 526-9600

1480 US RTE 34 AT WOLF RD

VILLAGE OF WESTERN SPRINGS 740 HILLGROVE AVE WESTERN SPRINGS. IL 60558 (708) 246-1800

1930 IL RTE 59 (NEW SUTTON RD) AT IL RTE 19 (IRVING PARK RD)

VILLAGE OF STREAMWOOD 301 E IRVING PARK RD STREAMWOOD, JL 60107 (630) 736-3800

RED SPEED, LLC. 400 EISENHOWER LANE LOMBARD, ILLINOIS 60148 (630) 317-5700

RED SPEED, LLC.

400 EISENHOWER LANE

LOMBARD, ILLINOIS 60148 (630) 317-5700

GATSO USA, INC. 900 CUMMINGS CENTER BEVERLY, MA 01915 (978) 922-7294

## **GENERAL NOTES**

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 REOHIRED).

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 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 COADWAY 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.

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.

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.

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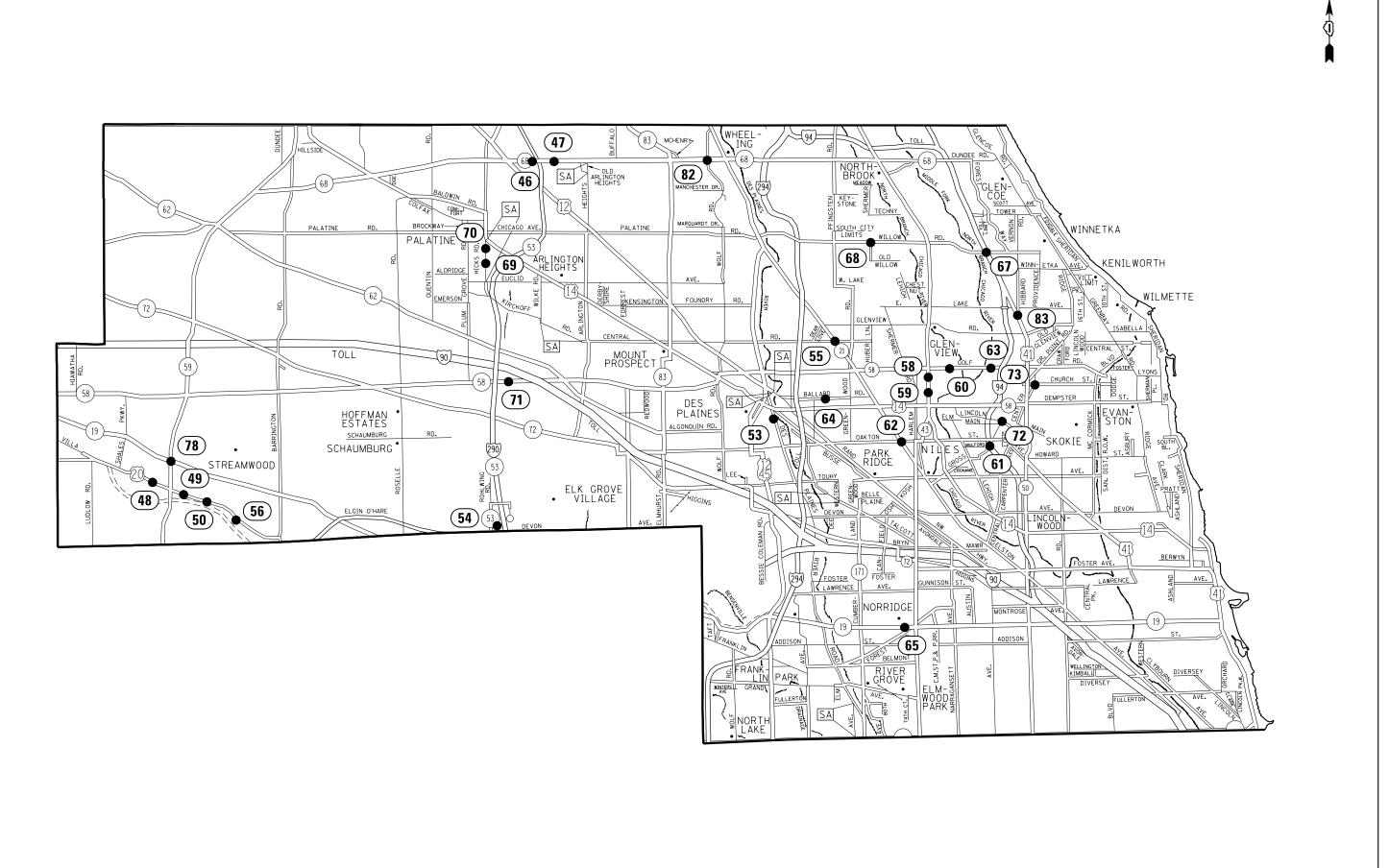
THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.

		1	SHEETS	NO.
S & GENERAL NOTES	2014-00815	VARIOUS	59	2
		CONTRACT	I NO. 6	2A56
TO STA.	R.L.INOIS FED. A	ID PROJECT		

LOC. NO.	TS NO.	INTERSECTION NAME	MUNICIPALITY	COUNTY
1	1011	123RD ST (MCCARTHY RD) AT WOLF RD	PALOS PARK	COOK
2	3840	55TH ST AT COUNTY LINE RD	HINSDALE	COOK
3	1480-	US RTE 34 (OGDEN AVE) AT WOLF RD	WESTERN SPRINGS	COOK
4	8325	HIGHLAND AVE AT 15TH ST	LOMBARD	DUPAGE
5	21940	IL RTE 120 (BELVIDERE RD) AT GILMER RD	VOLO	LAKE
6	11705	IL RTE 60 AT 1-94 E RAMP	METTAWA	LAKE
7	11706	IL RTE 60 AT I-94 W RAMP	METTAWA	LAKE
8	11700	IL RTE 60 AT RIVERWOODS BLVD / BRADLEY RD	LAKE FOREST	LAKE
9	20530	IL RTE 60 AT SAUNDERS RD / FIELD CT	LAKE FOREST	LAKE
10	6511	US RTE 12 / IL RTE 59 AT VOLO VILLAGE RD	VOLO	LAKE
11	7741	IL RTE 176 AT NEWPORT CT	ISLAND LAKE	MCHENRY
12	FL830	IL RTE 47 AT IL RTE 173	HEBRON	MCHENRY
13	15087	IL RTE 47 AT IRVING AVE / JUDD ST	WOODSTOCK	MCHENRY
14	7257	US RTE 14 AT COG CIRCLE	CRYSTAL LAKE	MCHENRY
15	11525	US RTE 14 AT CRYSTAL POINT MALL	CRYSTAL LAKE	MCHENRY
16	7250	US RTE 14 AT MAIN ST	CRYSTAL LAKE	MCHENRY
17	7255	US RTE 14 AT PINGREE RD	CRYSTAL LAKE	MCHENRY
18	11530	US RTE 14 AT TECKLER BLVD	CRYSTAL LAKE	MCHENRY
19	7393	I-80 SOUTH RAMP AT BRIGGS ST	JOLIET	WILL
20	22556	IL RTE 171 (COLLINS ST) AT OHIO ST	JOLIET	WILL
21	7519	IL RTE 171 (STATE ST) AT 10TH ST	LOCKPORT	WILL
22	7518	IL RTE 171 (STATE ST) AT 2ND ST	LOCKPORT	WILL
23	7516	IL RTE 171 (STATE ST) AT DIVISION ST	LOCKPORT	WILL
24	7550	IL RTE 50 (CICERO AVE) AT GOVERNORS HIGHWAY	UNIVERSITY PARK	WILL
25	21801	IL RTE 53 (SCOTT ST) AT CLAY ST	JOLIET	WILL
26	21800	IL RTE 53 (SCOTT ST) AT OHIO ST	JOLIET	WILL
27	7526	IL RTE 7 (159TH ST) AT FARRELL RD	LOCKPORT	WILL
28	75111	IL RTE 7 (159TH ST) AT 1-355 WEST RAMP	LOCKPORT	WILL
29	75112	IL RTE 7 (159TH ST) AT I-355 EAST RAMP	LOCKPORT	WILL
30	7521	IL RTE 7 (9TH ST) AT 7TH ST	LOCKPORT	WILL
31	7523	IL RTE 7 (9TH ST) AT HAMILTON AVE	LOCKPORT	WILL
32	7517	IL RTE 7 (9TH ST) AT IL RTE 171 (STATE ST)	LOCKPORT	WILL
33	7522	IL RTE 7 (9TH ST) AT MADISON ST	LOCKPORT	WILL
34	7524	IL RTE 7 (9TH ST) AT READ ST / LOCH LN	LOCKPORT	WILL
35	4295	IL RTE 7 (LARKIN AVE) AT IL RTE 7 (THEODORE ST)	CREST HILL	WILL
36	7388	NEW LENOX RD AT BRIGGS ST	JOLIET	WILL
37	21780	US RTE 30 (CASS ST) AT EASTERN AVE	JOLIET	WILL
38	22552	US RTE 30 (CASS ST) AT HENDERSON	JOLIET	WILL
39	21803	US RTE 30 (CASS ST) AT IL RTE 53 (SCOTT ST)	JOLIET	WILL
40	21782	US RTE 30 (JEFFERSON ST) AT EASTERN AVE	JOLIET	WILL
41	7415	US RTE 30 (LINCOLN HWY) AT US RTE 45 (LAGRANGE RD)	FRANKFORT	WILL
42	7430	US RTE 30 (PLAINFIELD RD) AT CATON FARM / GAYLORD RD	CREST HILL	WILL
43	7480	US RTE 45 (LAGRANGE RD) AT 191ST ST	MOKENA	WILL
44	21828	US RTE 52 (MCDONOUCH AVE) AT US RTE 52 (RAYNOR AVE)	JOLIET	WILL
45	7386	US RTE 52 AT MANHATTAN RD / FOXFORD DR	MANHATTAN	WILL
46	12155	IL RTE 68 (DUNDEE RD) AT IL RTE 53 WEST RAMPS	ARLINGTON HEIGHTS	COOK
47	12160	IL RTE 68 (DUNDEE RD) AT IL RTE 53 EAST RAMPS	ARLINGTON HEIGHTS	СООК
48	502	US RTE 20 (LAKE ST) AT NAPERVILLE RD	BARTLETT	COOK
49	11270	US RTE 20 (LAKE ST) AT BARTLETT RD	BARTLETT	CODK
50	1325	US RTE 20 (LAKE ST) AT OAK AVE	BARTLETT	COOK
51	4640	IL RTE 31 (BATAVIA AVE) AT MAIN ST	BATAVIA	KANE
52	FL170	IL RTE 31 AT MOOSEHEART ENTRANCE	BATAVIA	KANE
53	13070	DES PLAINES RIVER RD AT PERRY ST	DES PLAINES	COOK
54	13145	IL RTE 53 (ROHLWING RD) AT NERGE RD	ELK GROVE	CODK
55	2005	IL RTE 21 (MILWAUKEE AVE) AT CENTRAL RD	GLENVIEW	COOK
56	6077	US RTE 20 (LAKE ST) AT NORTH AVE/EAST BARTLETT RD	HANOVER PARK	COOK
57	FL210	IL RTE 47 AT MAIN ST	KANEVILLE	KANE
58	14275	IL RTE 43 / IL RTE 58 (WAUKEGAN RD) AT EMERSON ST	MORTON GROVE	COOK
59	14280	IL RTE 43 / IL RTE 58 (WAUKEGAN RD) AT BECKWITH RD	MORTON GROVE	COOK
60	5175	GOLF RD AT GLENVIEW COUNTRY CLUB	MORTON GROVE	COOK

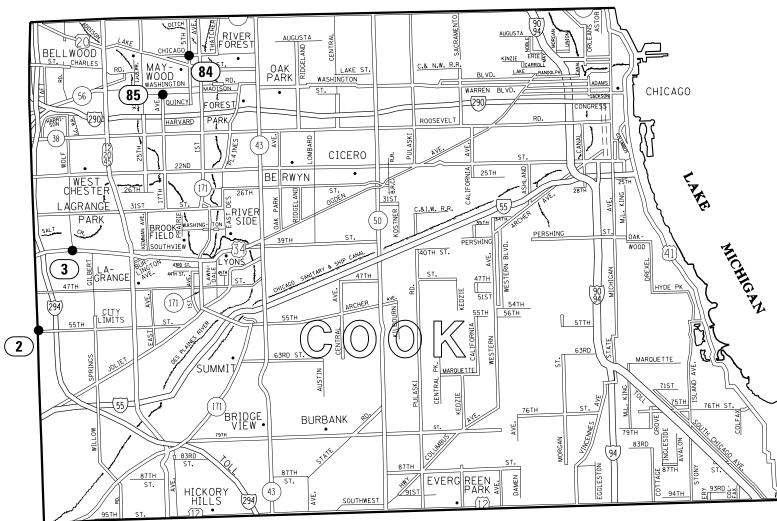
NO.	TS NO.	INTERSECTION NAME	MUNICIPALITY	COUNTY
61	5255	OAKTON ST AT GROSS POINT RD	MORTON GROVE	СООК
62	5448	OAKTON ST AT RIVER DR	MORTON GROVE	COOK
63	5155	GOLF RD AT HARMS RD	MORTON GROVE	COOK
64	4155	BALLARD RD AT POTTER RD	NILES	COOK
65	10125	IL RTE 43 (HARLEM AVE) AT HARLEM - IRVING PLAZA	NORRIDGE	COOK
66	11483	IL RTE 31 AT IL RTE 56/STATE ST	NORTH AURORA	KANE
67	10595	11 RTE 43 (WAUKEGAN RD) AT KRAFT FOOD/THREE LAKE DRIVE	NORTHBROOK	COOK
68	5930	WILLOW RD AT OLD WILLOW RD	NORTHBROOK	COOK
69	11735	HICKS RD AT HELEN RD	PALATINE	COOK
70	12005	HICKS RD AT SELLSTROM DR	PALATINE	COOK
71	2860	IL RTE 58 (GOLF RD) AT RING RD	ROLLING MEADOWS	СООК
72	5250	GROSS POINT RD AT LARAMIE AVE/CAROL RD	SKOKIE	COOK
73	4870	CHURCH ST AT NILES CENTER RD	SKOKIE	COOK
74	877	IL RTE 64 AT PECK RD	ST CHARLES	KANE
75	875	IL RTE 64 AT RANDALL RD	ST CHARLES	KANE
76	FL857	IL RTE 38 EB AT ST CHARLES ILLINOIS YOUTH CENTER	ST CHARLES	KANE
77	20390	IL RTE 38 AT ST CHARLES MALL	ST CHARLES	KANE
78	1930	IL RTE 59 (NEW SUTTON RD) AT IL RTE 19 (IRVING PARK RD)	STREAMWOOD	COOK
79	868	IL RTE 47 AT WHEELER RD / BLISS RD	SUGAR GROVE	KANE
80	6515	US RTE 12 / IL RTE 59 EAST RAMP AT IL RTE 176	WAUCONDA	LAKE
81	6516	US RTE 12 / IL RTE 59 WEST RAMP AT IL RTE 176	WAUCONDA	LAKE
82	3200	IL RTE 68 (DUNDEE RD) AT WOLF RD	WHEELING	COOK
83	1535	US RTE 41 (SKOKIE BLVD) AT HIBBARD RD	WILMETTE	COOK
84	14205	5TH AVE AT CHICAGO AVE	MAYWOOD	COOK
85	14215	MADISON ST AT 17TH AVE	MAYWOOD	COOK
86	6840	IL RTE 59 AT IL RTE 132 (GRAND AVE)	LAKE VILLA	LAKE
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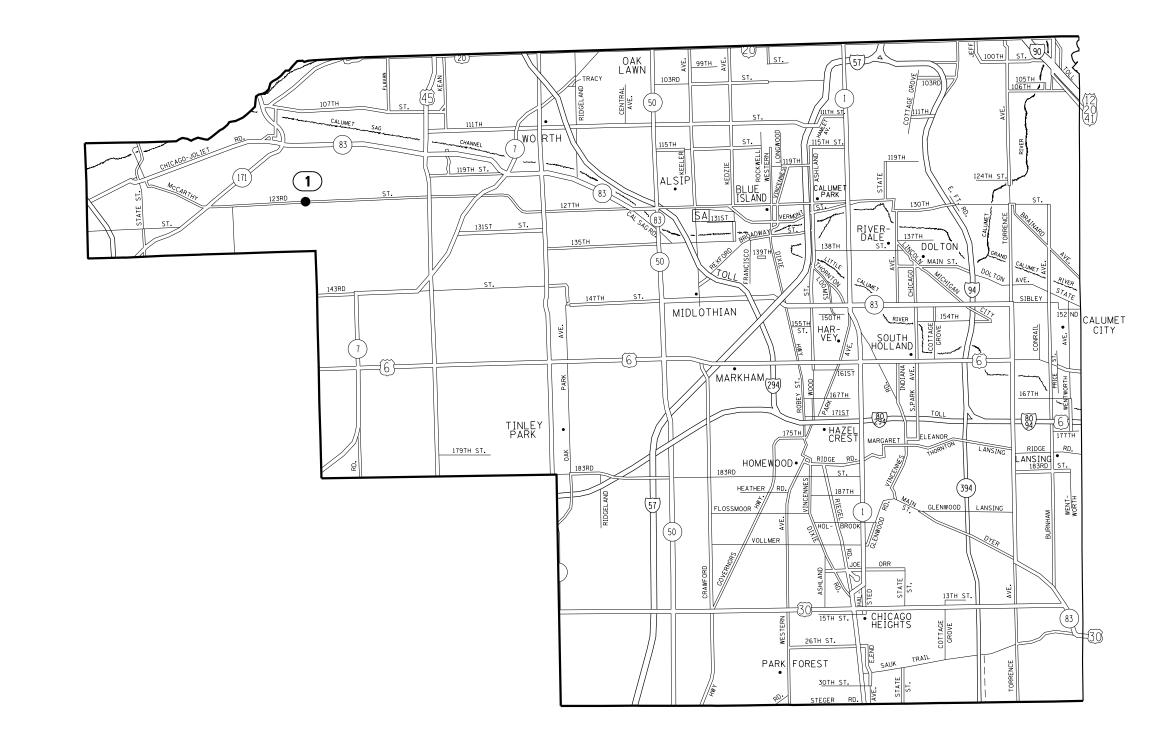
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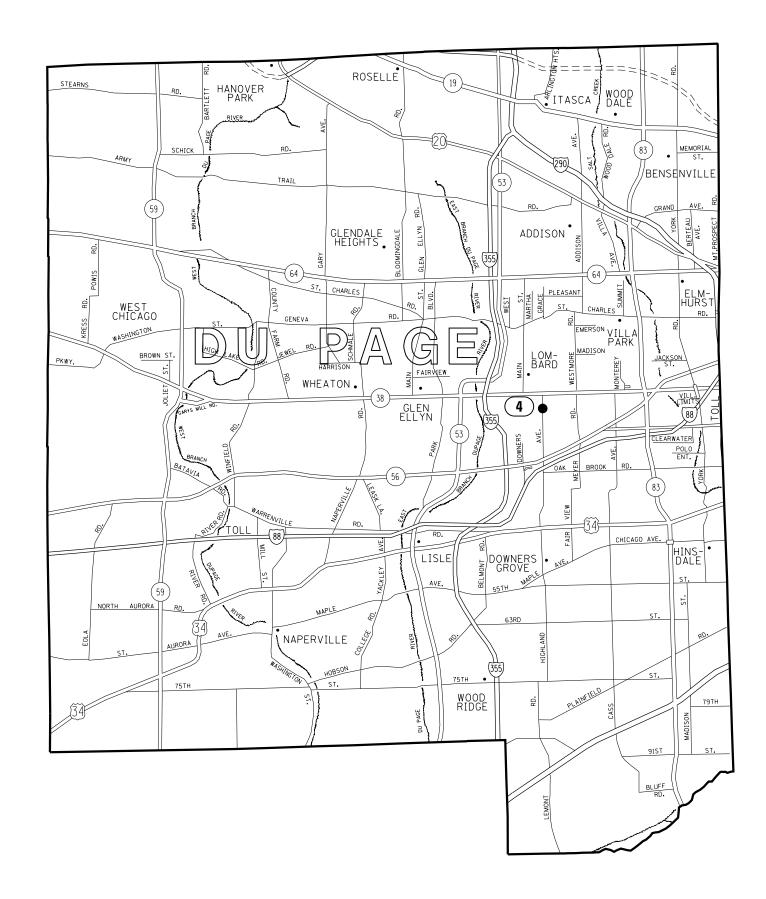






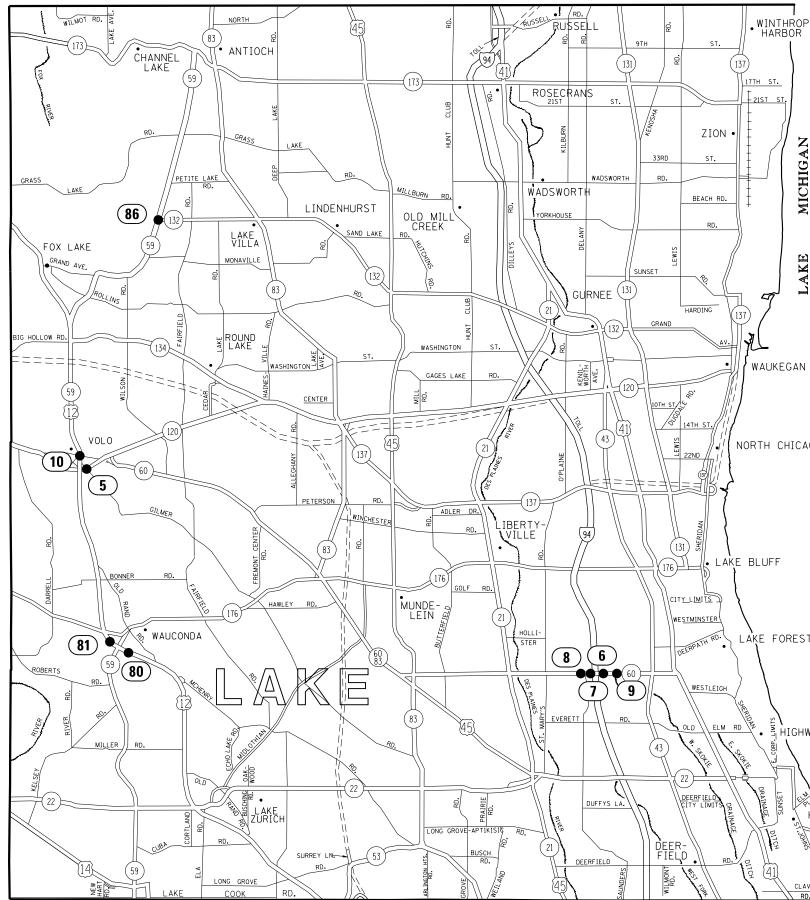
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	PLOT SCALE = 100.0000 ' / in.	CHECKED - IP	REVISED -	DEPARTMENT OF TRANSPORTATION			DUF	AUL CU					CONTRACT NO. 62A56
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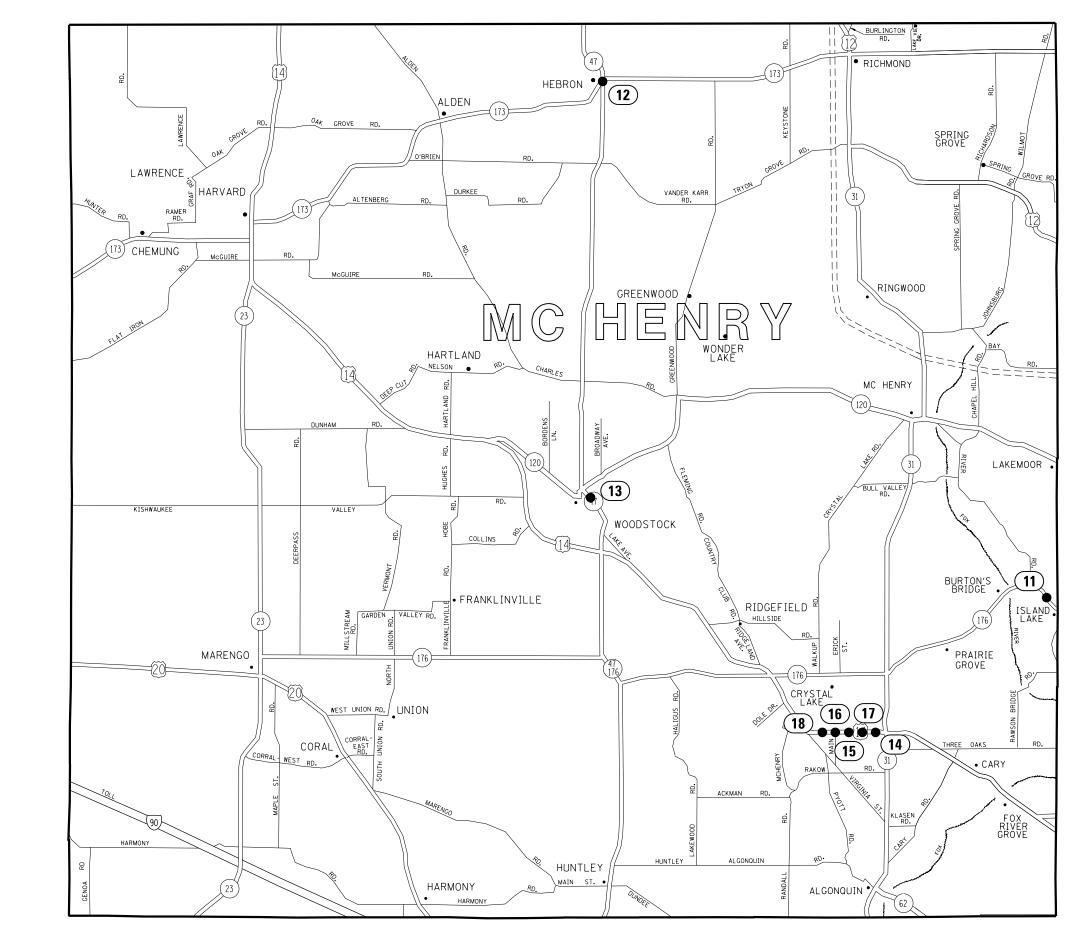


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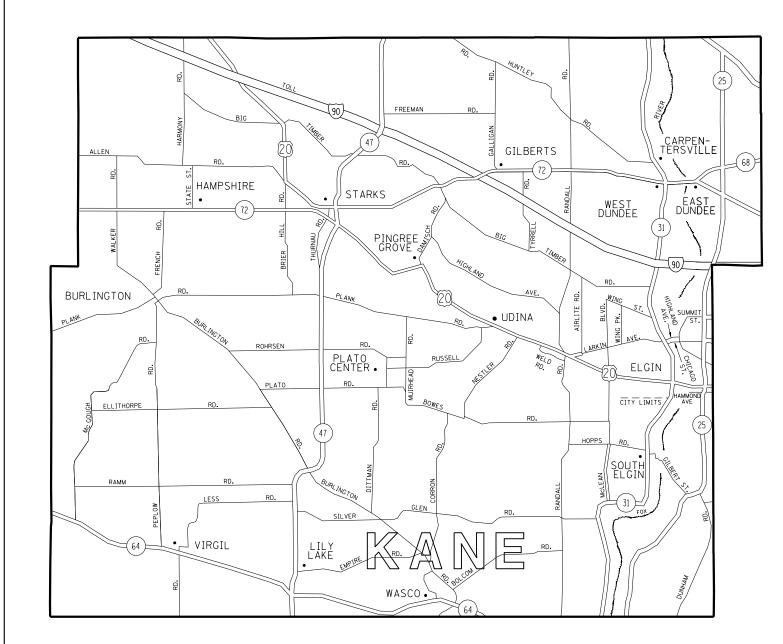
W			
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	F.A. RTE.	SECTION 2015-003TS	COUNTY TOTAL SHEET SHEETS NO. VARIOUS 59 8
INTY IS STA. TO STA.			CONTRACT NO. 62A56
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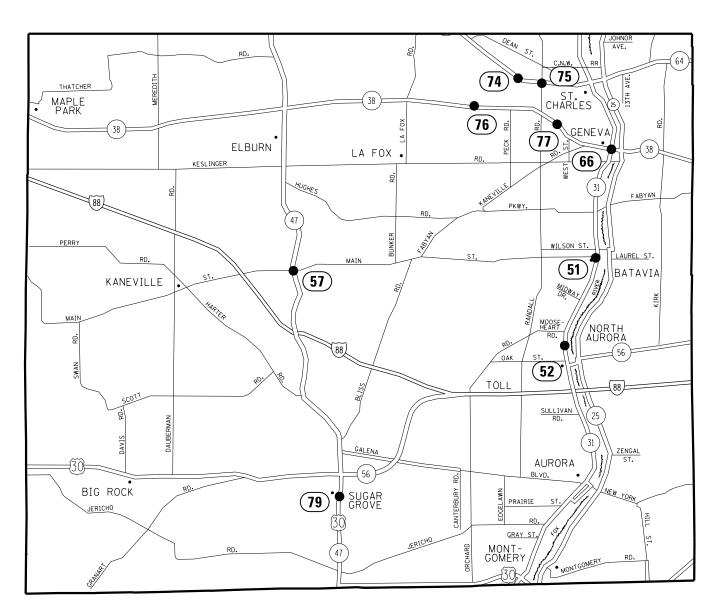
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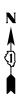


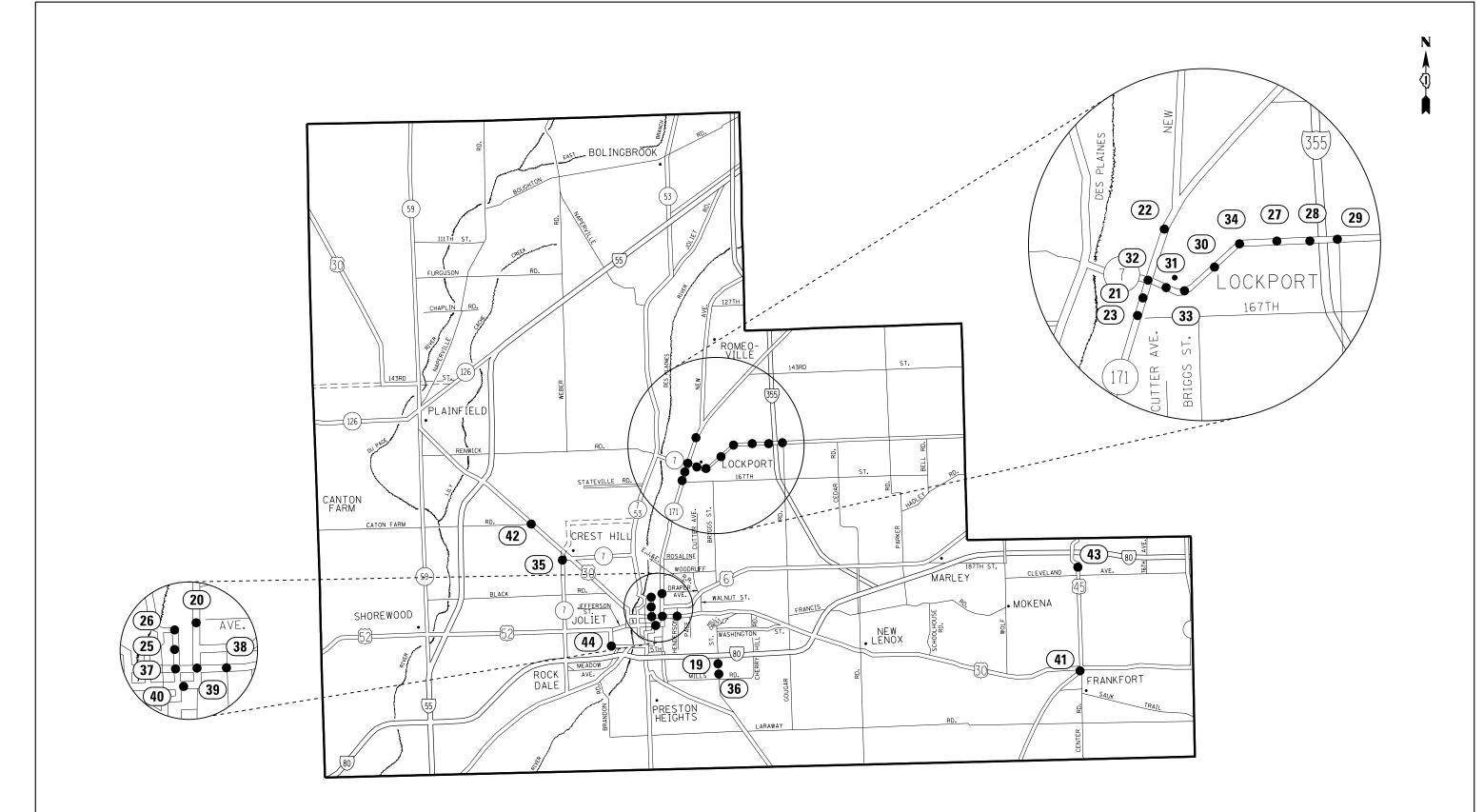
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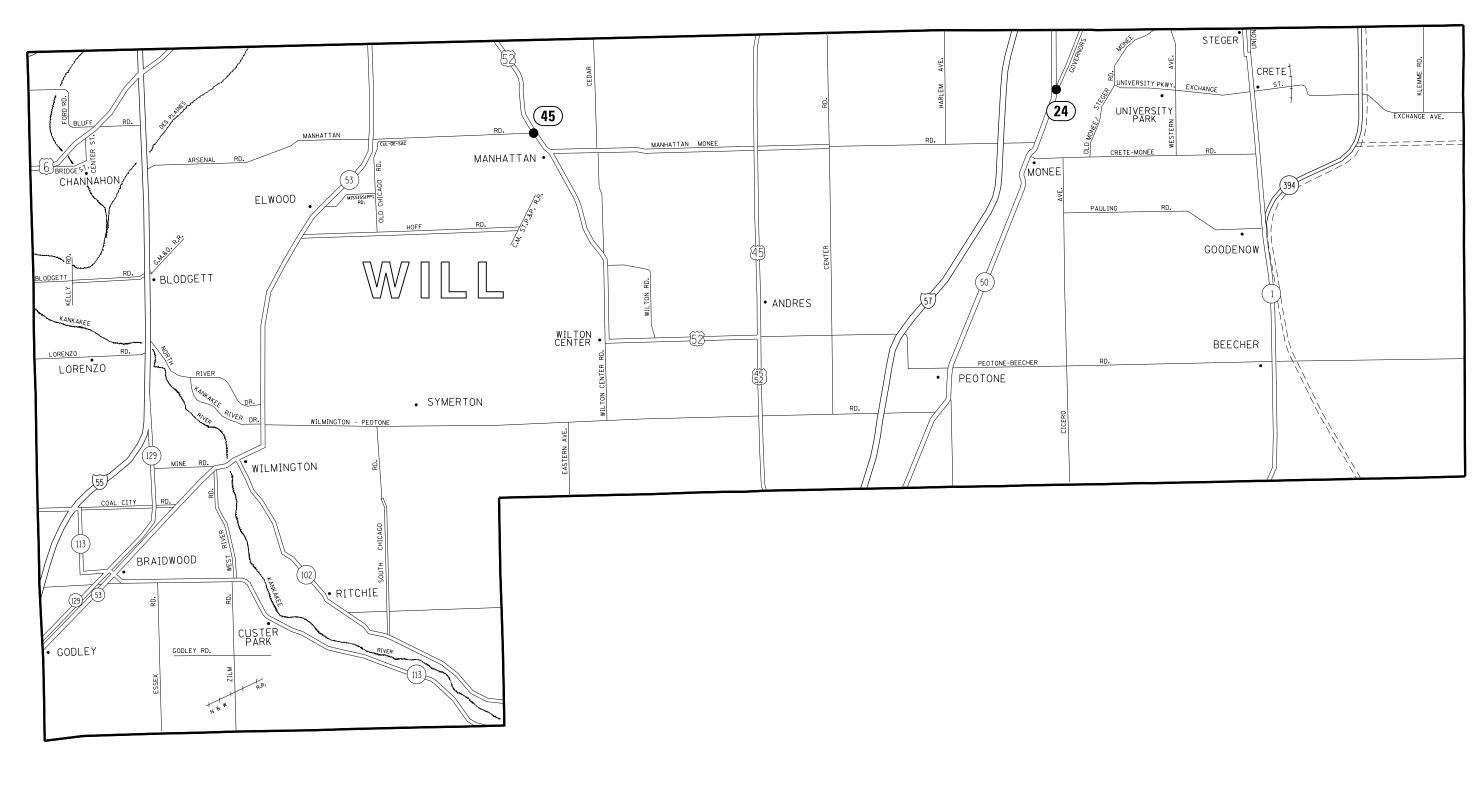


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		PLOT SCALE = 100.0000 '/ in.	CHECKED -	IP	REVISED -		DEPARTMENT OF TRANSPORTATION			KAN	E COUNT	I Y					CT NO. 62456
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			٦			CONSTRUC	TION CODE		······································
				100% STATE COOK COUNTY	100% STATE DUPAGE COUNTY	100% STATE LAKE COUNTY	100% STATE MCHENRY COUNTY	100% STATE WILL COUNTY	100% STATE KANE COUNTY
CODE	ITEM	UNIT	TOTAL			***************************************	SIGNALS D21		
NO.			QUANTITY				BAN		
67000400	ENGINEER'S FIELD OFFICE. TYPE A	CAL MO	6	1	1	1	1	1	1
67100100	MOBILIZATION	LSUM	1	0.3	0.1	0. 1	0.1	0.3	0.1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	0, 3	0.1	0.1	Q. 1	0. 3	0.1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	ЕАСН	82	32	1	9	7	27	6
85000500	MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	4				1		3
						· · · · · · · · · · · · · · · · · · ·			
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	4	2	1 1	1			
						· · · · · · · · · · · · · · · · · · ·			··
86400100	TRANSCEIVER - FIBER OPTIC	EACH	2	······		2			<u></u>
						·			·····
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	5	1	1	·····	· · · · · · · · · · · · · · · · · · ·	3	
			· · · · · · · · · · · · · · · · · · ·						
87502480	TRAFFIC SIGNAL POST. GALVANIZED STEEL 14 FT.	EACH	30	11	1			12	6
<u> </u>						·····		·····	··········
87502490	TRAFFIC SIGNAL POST. GALVANIZED STEEL 15 FT.	EACH	3	1		·····		2	
87502500	TRAFFIC SIGNAL POST. GALVANIZED STEEL 16 FT.	EACH	39.	14			4	15	6
						<u></u>			
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	3					2	
0120220	The stand root, and an state state to Fit	CAUN	ۍ ا						L
		FLOU							
66030012	SIGNAL HEAD, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH							1
		·····							
88030020	SIGNAL HEAD, LED. 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	77	42		2	2	15	16

FILE NAME +	open with o poetsenal	DESIGNED - LP / IP BROWData\leaffitRD24915x-sht-cover.dg	REVISED - 04/29/2016	STATE OF ILLINOIS	T	SUMM	ARY OF QUANTI	TIES	F.A. RTE	SECTION	COUNTY	TOTAL SHEE SHEETS NO.	T
ber///rea-reminiterminoiedo-watto	· · · · · · · · · · · · · · · · · · ·		REVISED ~	DEPARTMENT OF TRANSPORTATION		(	SHEET 1 OF 3)			2015-00375	VARIOUS CONTRAC	59 13 T NO. 62A56	7
L	PLOT DATE = 4/29/2016	DATE - 03/25/2016	REVISED -		SCALE: NONE	SHEET NO. OF	SHEETS STA.	TO STA.	1	ILLINOIS FED. A	ID PROJECT	1 1404 02 MDD	3

	******* <u>*</u> ***************							TION CODE		
					100% STATE COOK COUNTY	100% STATE DUPAGE COUNTY	100% STATE LAKE COUNTY	100% STATE MCHENRY COUNTY	100% STATE WILL COUNTY	100% STATE KANE COUNTY
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY			00	SIGNALS D21 BAN		
	88030050	SIGNAL HEAD, LED. 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	102	57		5	6	10	24
	88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION. BRACKET MOUNTED	EACH	2	· · · · · · · · · · · · · · · · · · ·				2	••••••••••••••••••••••••••••••••••••••
	88030080	SIGNAL HEAD, LED. 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2		· · · · · · · · · · · · · · · · · · ·			2	
-	88030100	SIGNAL HEAD, LED. 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	49	39		1	3	4	2
							-			
	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	44	34		1	3	4	2
	88040370	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-SECTION, MAST ARM MOUNTED	EACH	1				· · · · · · · · · · · · · · · · · · ·		1
	88055150	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	4					·····
£	88055160	OPTICALLY PROGRAMMED SIGNAL HEAD, LED. 1-FACE. 3-SECTION, MAST ARM MOUNTED	FACH	3	3					
····										**************************************
	88055200	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1	1	-				
	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	104	68	2			4	30
	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED. FORMED PLASTIC	EACH	127	80		3	5	21	18
	88500100	INDUCTIVE LOOP DETECTOR	EACH	30	10		20			·
							· · · · · ·			
	88800100	PEDESTRIAN PUSH-BUTTON	EACH	124	44	2		20	32	26
	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	71	13	1	· · · · · · · · · · · · · · · · · · ·	6	47	4
	·····							<u> </u>		
4E 841		USCR HAVE : pocischol         DESIGNED - LP / IP         REVISED - 04/29/2016           briPHIDDT\Documents\IDDT Offices\District I\Projects\Di24GRAMDeta\TreffikRil249f5xrshtroover.dgs         REVISED -           PLOT SCALE = 100.0200 '/ in.         CHECKED - IP         REVISED -           PLOT Date = 4/29/2016         DATE - 03/25/2016         REVISED -	DE		DF ILLINOIS F TRANSPORTATION	SCALE: NONE	SUMMARY OF Q (SHEET 2 C SHEET NO. OF SHEETS	)F 3)	F.A. SECTI RTE. 2015-00	i

			SUMMA	RY OF QU	ANTITIES	·······	F.A. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
			(\$	HEET 2 0	F 31			2015-00315	VARIOUS	59	14
	SCALE: NONE	SHEET N		SHEFTS	STA.	TO STA.			CONTRACT	NO. E	52A56
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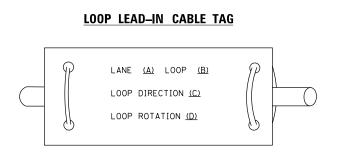
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				100% STATE COOK COUNTY	100% STATE DUPAGE COUNTY	100% STATE LAKE COUNTY	100% STATE MCHENRY COUNTY	100% STATE WILL COUNTY	100% STATE KANE COUNTY
CODE	ITEM	UNIT	TOTAL		***************************************	· · · · · · · · · · · · · · · · · · ·	C SIGNALS 021	······································	· · · · · · · · · · · · · · · · · · ·
NO.			QUANTITY		r		RBAN		
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	32	2			4	26	
89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	14	3				11	
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	42	23		6		7	5
						· . · ·			
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	75	24	ł	8	8	25	9
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	3	1		2		·····	
, , , <u>, , , , , , , , , , , , , , , , </u>									
X8800025	SIGNAL HEAD , LED. 1-FACE. 3-SECTION. SPAN WIRE MOUNTED	EACH	20					16	4
X8800041	SIGNAL HEAD .LED, 1-FACE 4-SECTION, SPAN WIRE MOUNTED	EACH	2					2	
				· 					
X8800046	SIGNAL HEAD , LED. 1-FACE 5-SECTION. SPAN WIRE MOUNTED	EACH	12					4	8
				·····					
X8800081	SIGNAL HEAD, LED. 4-FACE, 1-SECTION, SPAN WIRE MOUNTED	EACH	2				1		1
· · · · · · · · · · · · · · · · · · ·						· ·			
X8880015	PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	47	23				21	3
					· · · · · · · · · · · · · · · · · · ·			د ۲ 	· · · · · · · · · · · · · · · · · · ·
20050400	REMOVE AND REPLACE ANCHOR BOLTS	EACH	80	27	2		4	34	13
				~~~~~	2				
V022 602 1	MODIFY EXISTING TYPE "D" FOUNDATION	EACH	3	2	1				
10320021				۷	<u> </u>				
	UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	43	^ 		۵	· · · · · · · · · · · · · · · · · · ·		
Y9970720	UNINTERRUFTADLE FUNER SUFFLI AND CADINET, SMEUTAL		42	23	1	8	1	6	4
<u> </u>		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·			····	
· · · ·							· · · · · · · · · · · · · · · · · · ·		
	L								1
. ¢	USER NAME : poolochal DESIGNED - LP / IP REVISED - 04/29/20	16	·····	·····				F.A. SECT	TON COUNTY TOTAL
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## TRAFFIC SIGNAL LEGEND

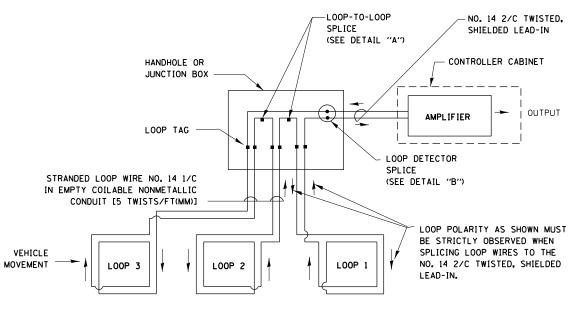
WIRELESS ACCESS POINT	R			GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)		(1)	(1)	CROSSBUCK		4	$\mathbf{T}$
WIRELESS DETECTOR SENSOR	RW	(W)	W	ALL DETECTOR LOOP CABLE TO BE SHIELDED						<u>202</u>	<b>▲</b> ◎ <b>▲</b> =
PAN, TILT, ZOOM CAMERA		PTZD	PTZ.	DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE,		5	(5)	CROSSING GATE		XoX>	Xox
	R			RADIO REPEATER	RERR	ERR	RR	FLASHING SIGNAL	_		X-X
VIDEO DETECTION ZONE					1.		1.	RAILROAD CANTILEVER MAST ARM	Σ	<del>xoz z </del> x	
VIDEO DETECTION CAMERA	R		$\mathbf{v}$	RADIO INTERCONNECT			 -  ++••●	RAILROAD CONTROL CABINET			
MICROWAVE VEHICLE SENSOR	R M			PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER		C C D	<ul> <li></li></ul>			EXISTING	PROPOSED
PREFORMED DETECTOR LOOP		ネーゼ IPI ペーゼ	Ρ	INTERNATIONAL SYMBOL, SOLID			×	RAILROAD	SYMBO	JLS	
DETECTOR LOOP, TYPE I				12" (300mm) PEDESTRIAN SIGNAL HEAD							
"NO RIGHT TURN"	Ì			12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				PREFORMED SAMPLING (SYSTEM) DETECTOR		r − I PSI	PS
"NO LEFT TURN" ILLUMINATED SIGN	P			12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		₽IS	PIS
LLUMINATED SIGN	R	8	$\textcircled{\begin{tabular}{c} \hline \hline$			"P"	"P"	PREFORMED QUEUE DETECTOR		Î POÎ	PO
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR	R @ aps	@aps	APS     APS	"RB" INDICATES REFLECTIVE BACKPLATE		€ € C	← Y ← G	QUEUE DETECTOR		<u>i</u> <u>Q</u> I	
PEDESTRIAN PUSHBUTTON DETECTOR	R	0	۲	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD		Y C	Y G			<b>- -</b>	
PEDESTRIAN SIGNAL HEAD	R -	-0	-1			R	R	SAMPLING (SYSTEM) DETECTOR		 	S
FLASHER INSTALLATION (S DENOTES SOLAR POWER)	0-⊳′′F′′	O-1> <sup>∞</sup> F <sup>™</sup>	• <b>•</b> " <sup>F</sup> "				<b>←</b> G	INTERSECTION & SAMPLING (SYSTEM) DETECTOR			IS
IGNAL HEAD OPTICALLY PROGRAMMED		- <b>D</b> ''P''	<b>→</b> "P"	SIGNAL FACE		The second secon	G	SIGNAL POST AND FOUNDATION TO BE REMOVED	RPF		
GIGNAL HEAD WITH BACKPLATE	$+ \stackrel{R}{\triangleright}$	+>	+►			R Y	R	FOUNDATION TO BE REMOVED			
SIGNAL HEAD CONSTRUCTION STAGES NUMBERS INDICATE THE CONSTRUCTION STAGE)			→ <sup>2</sup>	YELLOW AND GREEN TRAFFIC SIGNAL FACE				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND	RMF OX		
SIGNAL HEAD	R -	$\neg$	-	12'' (300mm) RED WITH 8'' (200mm)		R		ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED	RMF		
SUY WIRE	R	]>	$\succ$	12" (300mm) TRAFFIC SIGNAL SECTION		R	R		0		
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM	$\stackrel{R}{\otimes}$	$\otimes$	٢	RELOCATE ITEM ABANDON ITEM	κL A			STEEL MAST ARM POLE AND	ORMF		
SIGNAL POST	RO	0	•	REMOVE ITEM	R			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED	RCF		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA	R PTZI	<u>ل</u> تر	₹ TT	INTERSECTION ITEM		Ι	IP	OR (S) SERVICE		مطالب	,uL
ASSEMBLY AND POLE WITH LUMINAIRE	RO-X	0-×	• <del>×</del>	SYSTEM ITEM		S	S	GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM,		°,∥⊨⊷	°⊣⊫→
ALUMINUM MAST ARM ASSEMBLY AND POLE	R	0		COMMON TRENCH COILABLE NONMETALLIC CONDUIT (EMPTY)			CT CNC	FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F		- <u>36</u> F	
STEEL MAST ARM ASSEMBLY AND POLE	R	0	•	AND CABLE	<u></u>			NO. 62.5/125, MM12F SM12F		,	_
FELEPHONE CONNECTION P) POLE OR (G) GROUND MOUNT	R	P	P	GALVANIZED STEEL (UC) TEMPORARY SPAN WIRE, TETHER WIRE,	_			FIBER OPTIC CABLE		-24F	-24F)
SERVICE INSTALLATION, P) POLE OR (G) GROUND MOUNT	R	- <u></u> -	- <b>-</b>	JUNCTION BOX UNDERGROUND CONDUIT,	Ø	Ø	0	FIBER OPTIC CABLE NO. 62.5/125, MM12F		- <u>12</u> F	
NINTERRUPTABLE POWER SUPPLY	UPS	EUPS	UPS	DOUBLE HANDHOLE	R D			COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED		-6-	<u>—6</u> —
MASTER MASTER CONTROLLER	D	EMMC	MMC	HEAVY DUTY HANDHOLE	К Н	Н	Η	VENDOR CABLE FOR CAMERA		—	
MASTER CONTROLLER		EMC	MC	HANDHOLE							
RAILROAD CONTROL CABINET	C C	EC C	R C C	CONFIRMATION BEACON		0(]	•-1	COAXIAL CABLE		— <u>c</u>	—©—
CONTROLLER CABINET	$\boxtimes^{R}$			EMERGENCY VEHICLE LIGHT DETECTOR	∝ R <sub>o−</sub> ()		-	NO. 14 1/C, UNLESS NOTED OTHERWISE			1
	P	<b></b>			R		-	ELECTRIC CABLE IN CONDUIT, TRACER,		$\sim$	

#### 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.

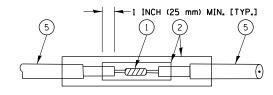


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

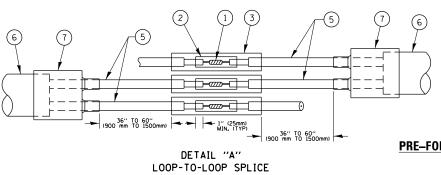


#### DETECTOR LOOP WIRING SCHEMATIC

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



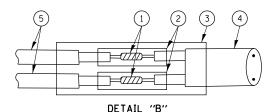
DETAIL "A" LOOP-TO-LOOP SPLICE



#### LOOP DETECTOR SPLICE

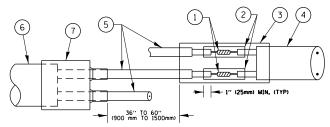
- (1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SUF OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE ST
- (2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER
- (3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER
- (4) NO.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

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LOOP-TO-CONTROLLER SPLICE

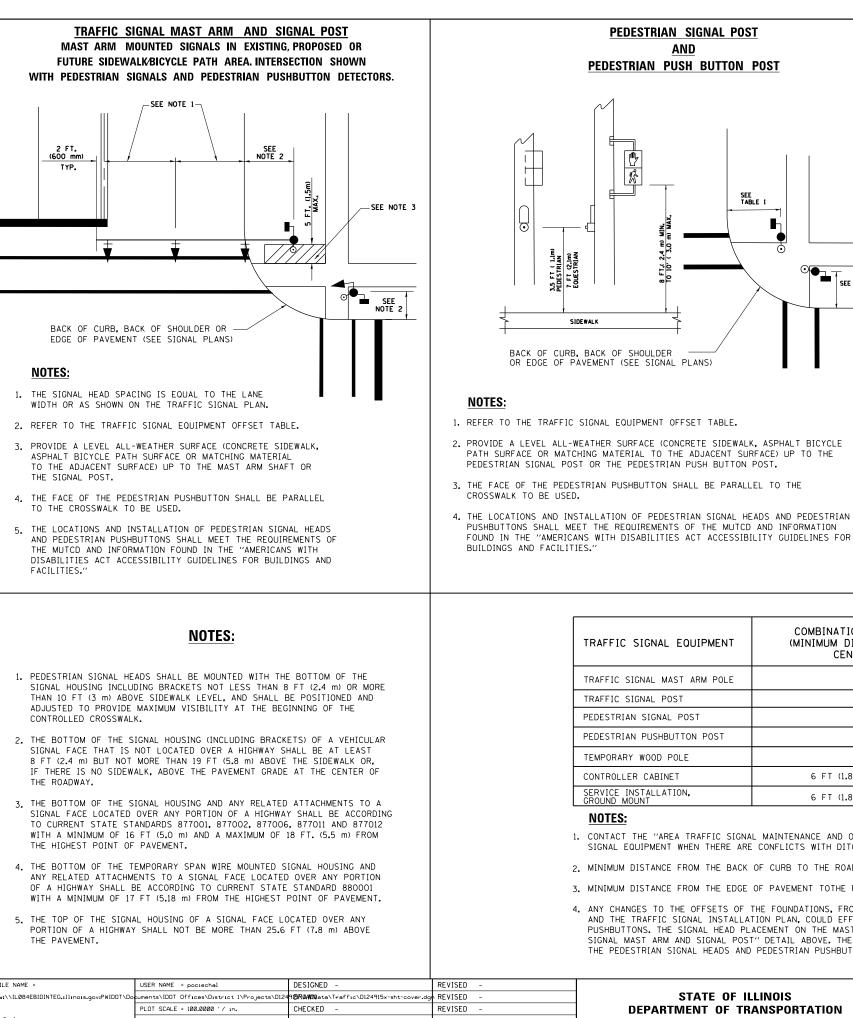
#### TYPE I LOOP

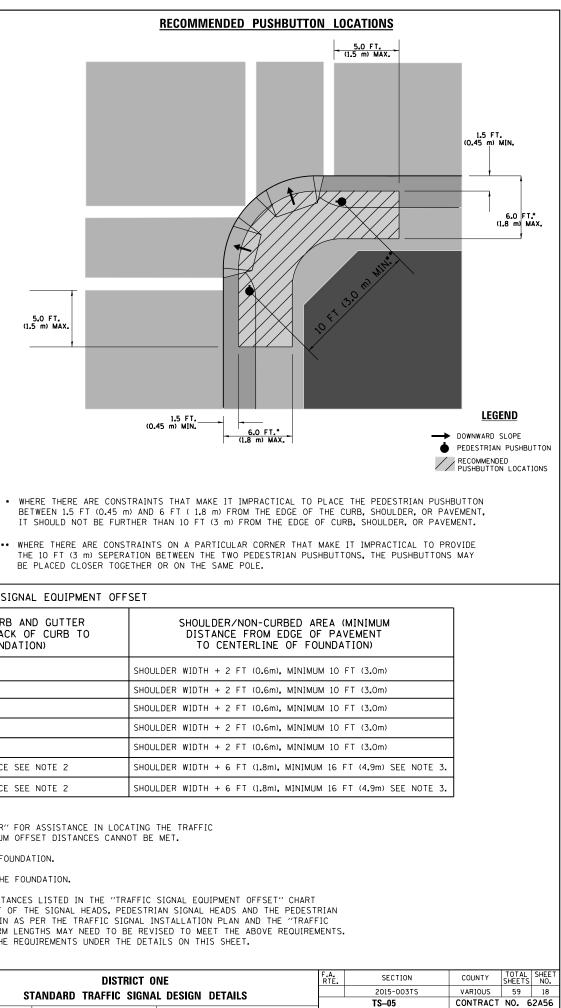


#### PRE-FORMED LOOP

#### DETAIL "B" LOOP-TO-CONTROLLER SPLICE

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





#### TRAFFIC SIGNAL EQUIPMENT OFFSET

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ILLINOIS FED. AID PROJECT

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULI
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULI
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULI
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULI
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULI
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOUL
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOUL

SEE NOTE I

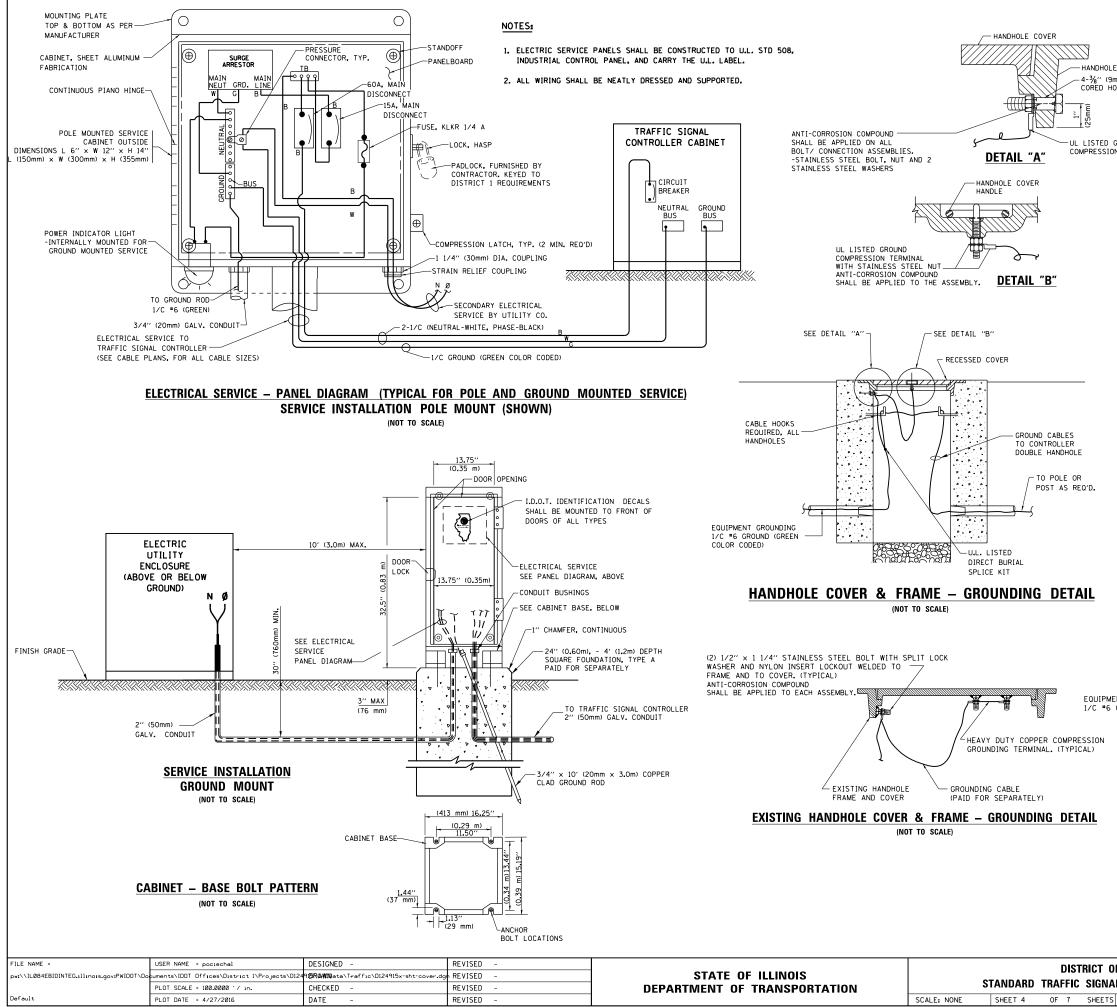
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.

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.

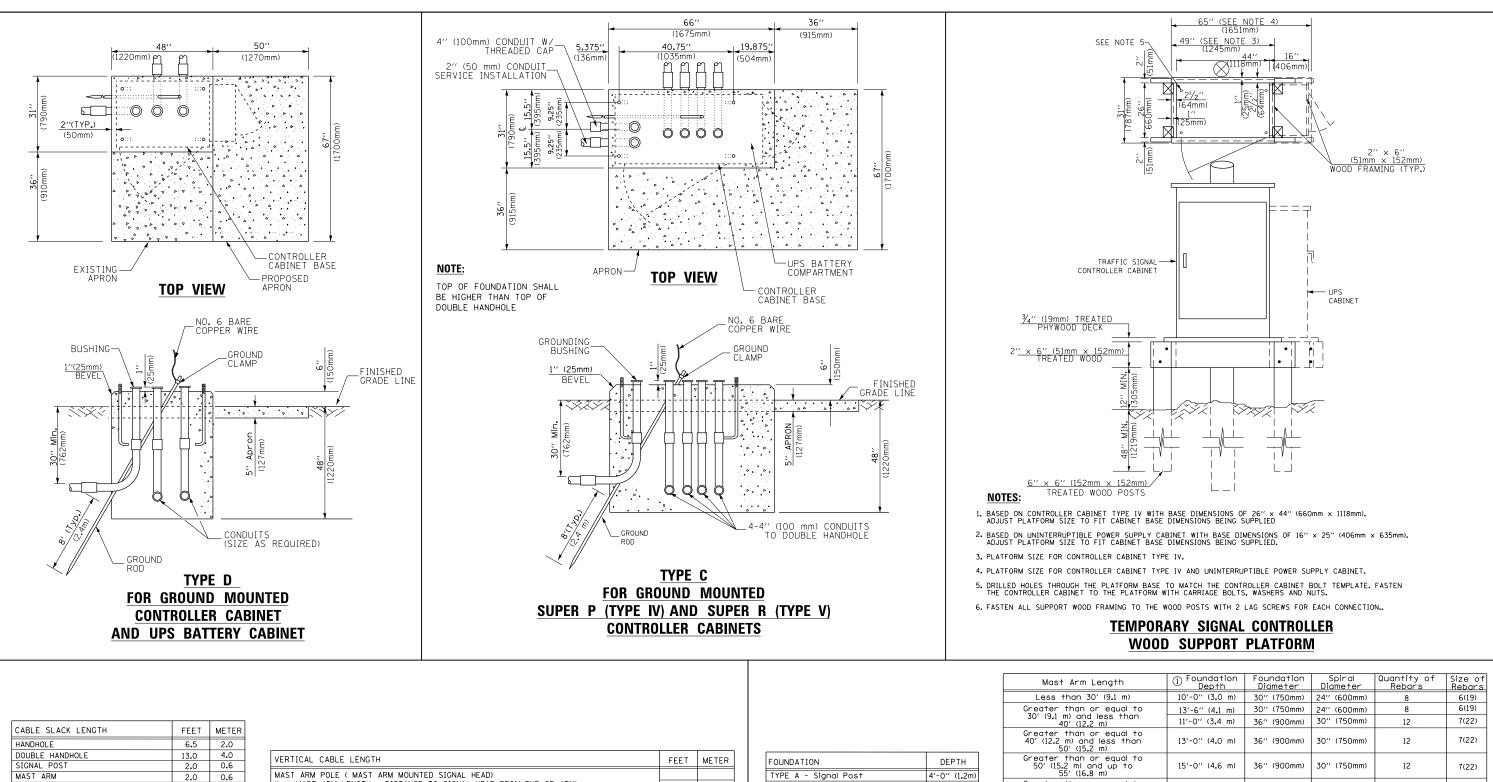
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#### NOTES: GROUNDING SYSTEM

DLE FRAME (9mm) DIA., HOLES D GROUND ION TERMINAL	<ol> <li>THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC., GROUND ROD SHALL BE 3/4" DIA. × 10'-0" (20mm × 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) TOS-4139.</li> <li>THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.</li> <li>ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.</li> <li>THE CONTROLLER CABINET.</li> </ol>
	Outry compression terminal (type ygha or approved equal) $\chi_{4''}$ (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)         MOTES:         • ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.         • GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES (5' (2.0m) SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.
OR AP MENT GROUNDIN 6 GROUND (GREE	DY TYPE KC, K2C, PROVED EQUAL) HEAVY DUTY GROUND ROD CLAMP, FXOTHERMIC WELD.

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

**CABLE SLACK** 

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

#### **VERTICAL CABLE LENGTH**

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

#### **DEPTH OF FOUNDATION**

NOTES:

## DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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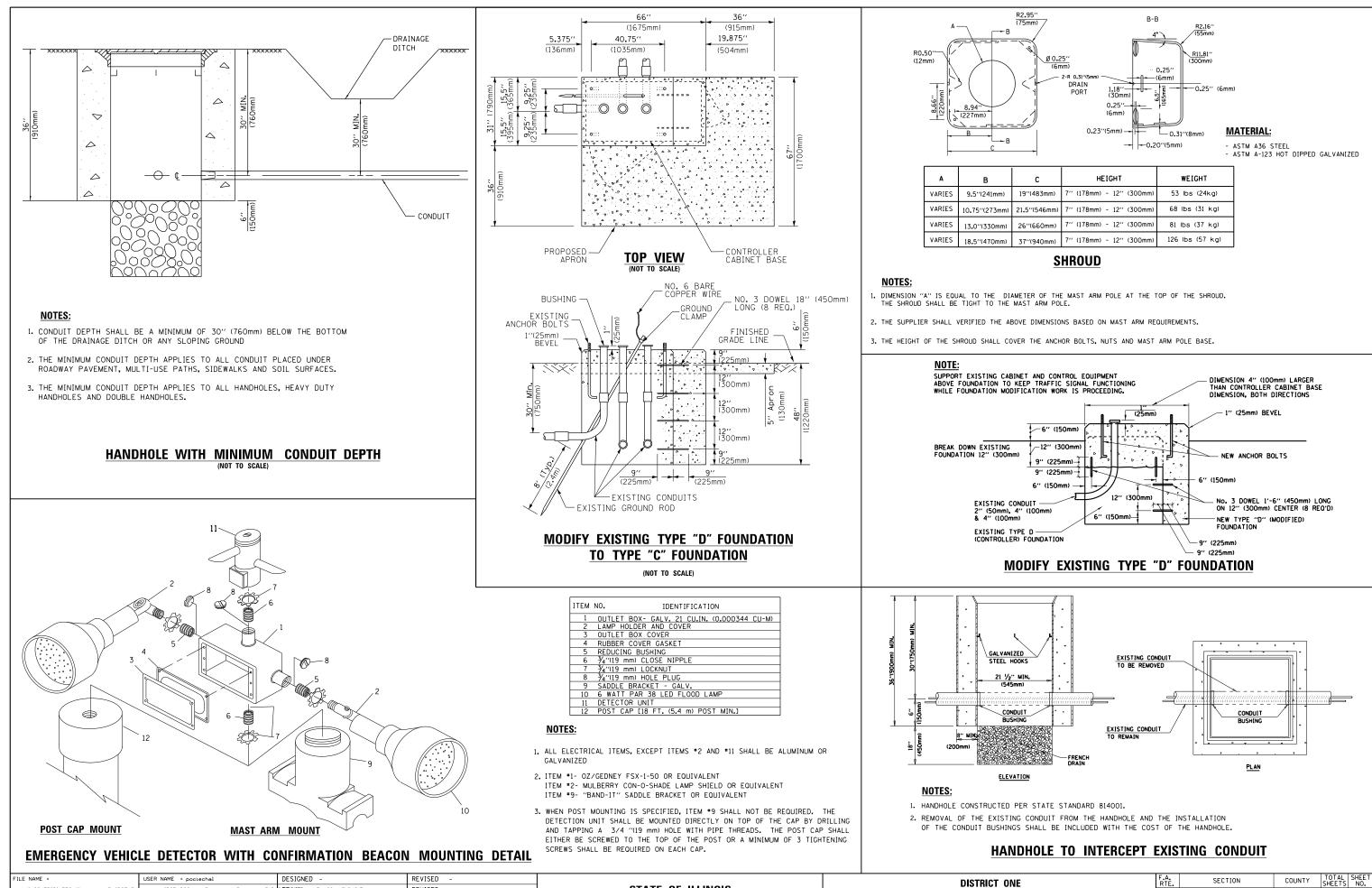
Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30′ (9.1 m)	10'-0'' (3.0 m)	30'' (750mm)	24'' (600mm)	8	6(19)
Greater than or equal to	13'-6" (4.1 m)	30" (750mm)	24'' (600mm)	8	6(19)
30' (9.1 m) and less than 40' (12.2 m)	11'-0'' (3.4 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)

Interest foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (0u) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.

2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.

Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations

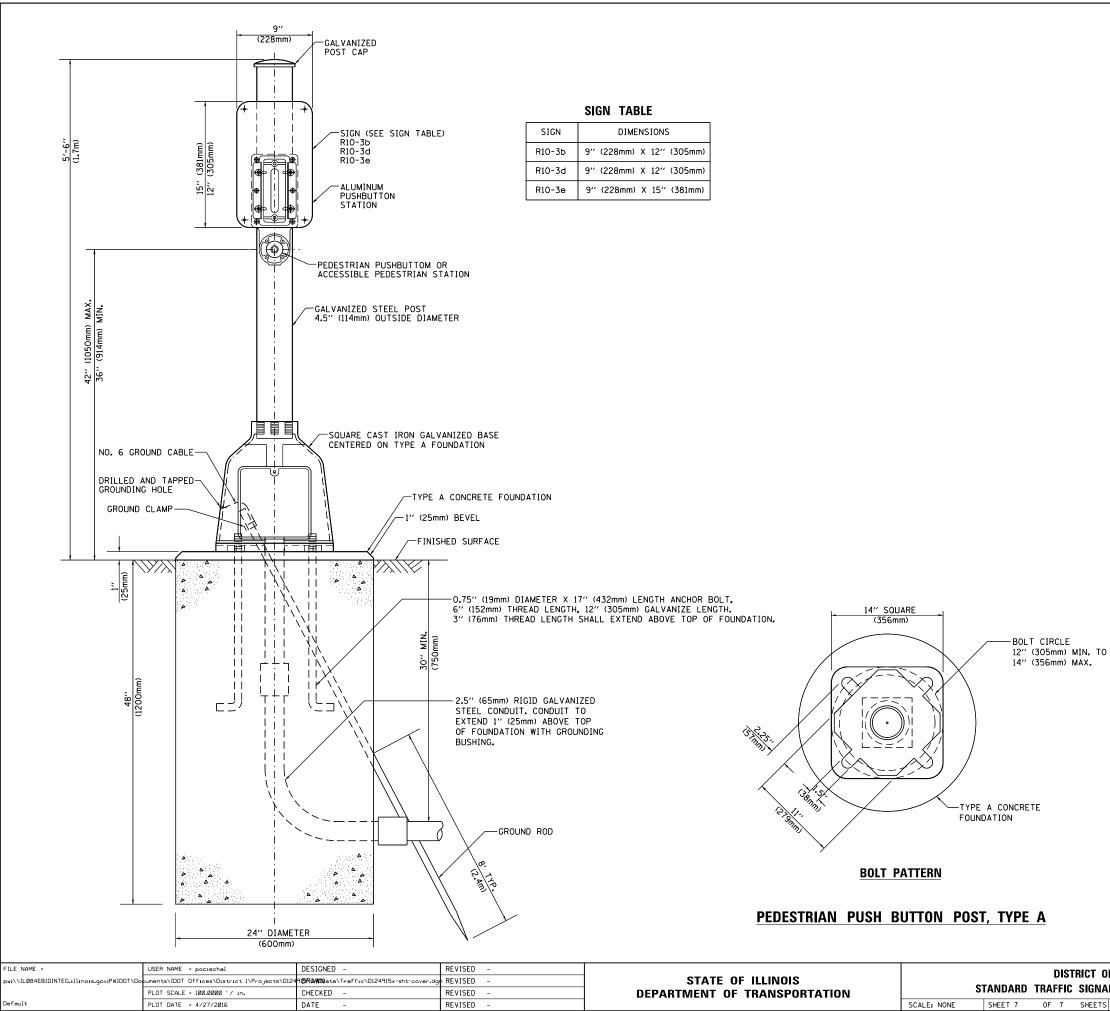
4. For mast arm assemblies with dual arms refer to state standard 878001..



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	с	HEIGHT	WEIGHT
1)	19''(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
m)	21.5''(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
n)	26''(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
n)	37''(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

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6 11705 IL RTE 60	AT 94 E RAMP	1				1	1		1								
7 11706 IL RTE 60	AT 94 W RAMP	1				1	1		1								
8 11700 IL RTE 60	AT RIVERWOODS BLVD / BRADLEY RD	1				1	1		1								
9 20530 IL RTE 60	AT SAUNDERS RD / FIELD CT	1				1	1		1								
10 6511 US RTE 12	/ IL RTE 59 AT VOLO VILLAGE RD	1		1	10		1	1	1			Х			EAGLE		
11 7741 IL RTE 170	S AT NEWPORT CT	1				1	1		1								
	159TH ST) AT I-355 WEST RAMP	1				1			1								
	159TH ST) AT I-355 EAST RAMP	1				1			1								
	(DUNDEE RD) AT IL RTE 53 WEST RAMPS	1				1			1								
	(DUNDEE RD) AT IL RTE 53 EAST RAMPS	1				1			1								
	(LAKE ST) AT NAPERVILLE RD	1				1			1								
	(ROHLWING RD) AT NERGE RD	1				1			1								*
	(LAKE ST) AT NORTH AVE/EAST BARTLETT RD	1				1			1								*
	AT RIVER DR	1				1			1								
	(WAUKEGAN RD) AT KRAFT FOOD/THREE LAKE DRIVE	1		-		1			1								
	/ IL RTE 59 WEST RAMP AT IL RTE 176	1				1		-	1								
	(SKOKIE BLVD) AT HIBBARD RD	1				1			1								
	T CHICAGO AVE	1	1		2	1	1	-	1	1			x				
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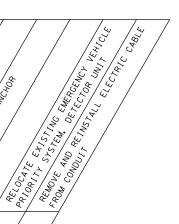
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## **GENERAL NOTES**

- \* CONTRACTOR SHALL RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT TO A NEW CONTROLLER CABINET. THE COST OF THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE FULL-ACTUATED CONTROLLER AND TYPE IV CABINET OR IN THE FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL PAY ITEM.
- \* \* CONTRACTOR SHALL RELOCATE EXISTING UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL TO A NEW CONTROLLER CABINET, THE COST OF REMOVAL, RELOCATION AND ALL THE NECESSARY CONNECTIONS REQUIRED FOR PROPER OPERATION OR AS DIRECTED BY THE ENGINEER SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE FULL-ACTUATED CONTROLLER AND TYPE IV CABINET OR FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL PAY ITEM.

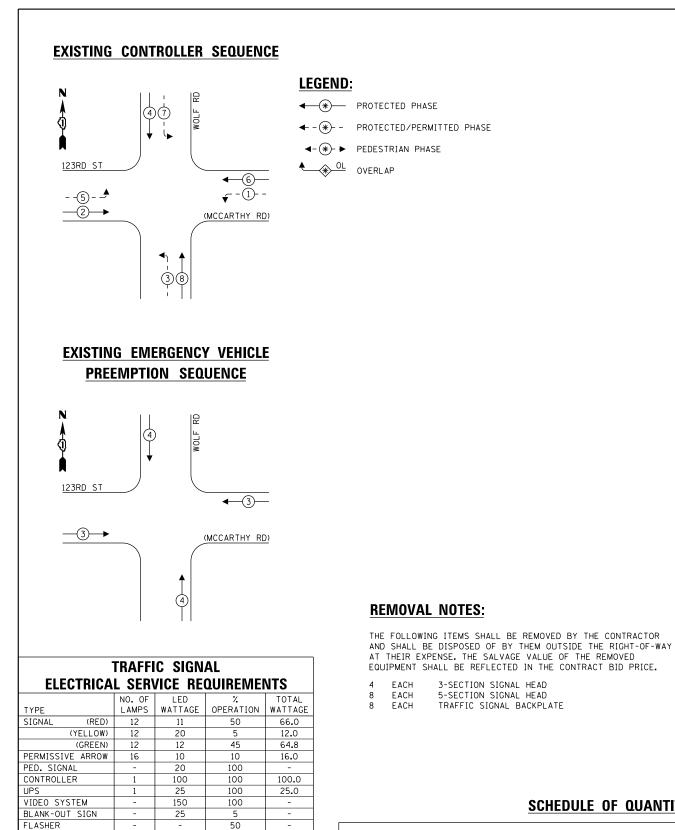
3       1480       US RTE 34 (GODEN AVE) AT KOLF RD       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1		LOC NO.			MA INTE	TAFELCHARCE	PLAN IC SIGN INSTINCTION	TANTED SIGNAL 10	TANIZED GUAL 14	141 - 21 - 21 - 21 - 21 - 21 - 21 - 21 -	PLANIE SIGNEL 37.	RELOCANNELLOC	RELOCATE EXISTING RELOCATE EXISTING	PESTATE SIGNAL	ELECTATE CONT. REMOVE N'STINEAD	041 EXISTIN BUTON PEDE EQUIDANC TON MODEST DUTANC TON	PULLATION PARTIC	-ULSE AND REPUTION.	Pop. C. M. Chop	ALION AIE
3       1480       US RTE 34 CODEN AVE) AT MOLF R0       1       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I       I				8500n.		8750 8750	87502	82502	87500	88800	83500	89500	<sup>695</sup> 00	00400	<sup>+88</sup> 2,5	<sup>2005</sup>	00502	*	/ /*	*
15       1152       US RTE 14 AT CRYSTAL POINT MALL       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	3	1480	US RTE 34 (OGDEN AVE) AT WOLF RD	(	/	ſ	ſ	ſ	(		( (	/	(	1	(	(	(	1	T x	í
16       7250       US PTE 14 AT MAIN ST       1       1       4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 </td <td>14</td> <td>7257</td> <td>US RTE 14 AT COG CIRCLE</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td>1</td>	14	7257	US RTE 14 AT COG CIRCLE	1						4				1				-	-	1
17       7255       US RTE 14 AT PINGRER RD       1       N       8       N       1       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N       N	15	11525	US RTE 14 AT CRYSTAL POINT MALL	1				1			1			1		1				1
18       1150       US RTE 14 AT TECKLER BLVD       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <t< td=""><td>16</td><td>7250</td><td>US RTE 14 AT MAIN ST</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>4</td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td>-</td><td></td><td>1</td></t<>	16	7250	US RTE 14 AT MAIN ST	1						4				1				-		1
20       22556       IL RTE 171 (COLLINS ST) AT OHO ST       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	17	7255	US RTE 14 AT PINGREE RD	1						8				1					-	1
20       22556       IL RTE 171 (COLLINS ST) AT OHIO ST       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3</td> <td></td> <td></td> <td>5</td> <td>4</td> <td></td> <td>1</td> <td></td> <td>3</td> <td></td> <td></td> <td>-</td> <td>1</td>								3			5	4		1		3			-	1
21       7519       IL RTE 171 (STATE ST) AT 10TH ST       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1						1		_					1						+	1
22       7518       IL RTE 171 (STATE ST) AT 2N0 ST       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1						-					-	-	-	-	4	-				1
23       7516       IL RTE 171 (STATE ST) AT DIVISION ST       1       1       1       2       2       8       10       6       1       6       X         24       7550       IL RTE 50 (CICERO AVE) AT COVERNORS HIGHWAY       1       2       2       2       1       2       2       1       2       2       1       2       2       1       2       2       1       2       1       2       1       2       1       2       1       2       1       1       2       1       1       2       1       1       2       1       1       2       1       1       1       2       1       1       1       1       1       1       1       1       1       1       1       1       1       2       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1										6				-	· ·		<u> </u>		+	-
24       7550       IL RTE 50 (CICERO AVE) AT GOVERNORS HIGHWAY       1       1       2       1       1       2       1       1       2       1       1       2       4       3       1       0       2       1       3       1       1       1       1       2       4       3       1       3       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       <						1	1	2	2		10	6				6	<u> </u>	+	+	-
25       21801       IL RTE 53 (SCOTT ST) AT CLAY ST       1       1       2       1       1       2       4       3       1       3       1       1       1       1       2       1       1       2       1       1       2       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1							-	-	-	•		0		-			<u> </u>	<u> </u>	+	1
26       21800       IL RTE 53 (SCOTT ST) AT OHIO ST       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1					1	-						4	3				<u> </u>		+	1
27       7526       IL RTE 7 (159TH ST) AT FARRELL RD       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1					1	1											<u> </u>		+	-
30       7521       IL RTE 7 (9TH ST) AT 7TH ST       1       1       1       4       6       6       1       6       5       0       0         31       7523       IL RTE 7 (9TH ST) AT HAMILTON AVE       1       1       0       0       0       0       0       1       4       0       0       0       0       1       4       0       0       0       0       1       4       0       0       0       0       1       4       0       0       0       0       1       4       0       0       0       0       1       4       0       0       0       0       0       0       1       4       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0						1				2	1	2	-	-		1	<u> </u>		+	-
31       7523       IL RTE 7 (9TH ST) AT HAMILTON AVE       1       1       1       1       1       1       1       4       1       4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1					1			4			6	6		-	6	5	<u> </u>		+	1
32       7517       IL RTE 7 (9TH ST) AT IL 171 (STATE ST)       1       1       1       1       1       4       1       4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1<					•						0	0			_		<u> </u>		+	-
33       7522       IL RTE 7 (9TH ST) AT MADISON ST       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1						-								-	-		<u> </u>	+	+	1
34       7524       IL RTE 7 (9TH ST) AT READ ST / LOCH LN       1       1       1       8       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1<						1				8					+		<u> </u>	+	+	1
35       4295       IL RTE 7 (LARK IN AVE) AT IL 7 (THEODORE ST)       1       1       3       1       3       1       1         37       21780       US RTE 30 (CASS ST) AT EASTERN AVE       1       1       1       1       2       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1														-			<u> </u>	+	+	1
37       21780       US RTE 30 (CASS ST) AT EASTERN AVE       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3</td> <td></td> <td></td> <td>6</td> <td></td> <td></td> <td>-</td> <td>-</td> <td>3</td> <td><u> </u></td> <td>+</td> <td>+</td> <td>1</td>								3			6			-	-	3	<u> </u>	+	+	1
38       22552       US RTE 30 (CASS ST) AT HENDERSON       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1						1	<u> </u>	<u> </u>				2	1	-			<u> </u>	+	+	1
39       21803       US RTE 30 (CASS ST) AT IL 53 (SCOTT ST)       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1						+ •		1									<u> </u>	+	+	1
40       21782       US RTE 30 (JEFFERSON ST) AT EASTERN AVE       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1					1			-			-	-				-		+	+	1
42       7430       US RTE 30 (PLAINFIELD RD) AT CATON FARM / GAYLORD RD       1       5       10       1       5       1       6       1         44       21828       US RTE 52 (MCDONOUGH AVE) AT US 52 (RAYNOR AVE)       1       4       6       5       1       1       4       1       6       1       4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1<					•		1				2			-			<u> </u>	+	+	1
44       21828       US RTE 52 (MCDONOUGH AVE) AT US 52 (RAYNOR AVE)       1       4       -       5       -       1       4       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -						1	+ •	5				-			1		<u> </u>	+	+	1
65       10125       IL RTE 43 (HARLEM AVE) AT HARLEM - IRVING PLAZA       1       -       2       -       3       2       2       1       2       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		-				4								-	1		<u> </u>	+	+	1
69         11735         HICKS RD AT HELEN RD         1         2         1         5         1         3             70         12005         HICKS RD AT SELLSTROM DR         1         1         1         1         2         1         3						· ·		2				2	2	-			<u> </u>	+	+	1
70         12005         HICKS RD AT SELLSTROM DR         1         1         1         2         1         2         1         2						2						<u> </u>			-		<u> </u>	+	+	1
								-			-		1	-	1		<u> </u>	+	+	1
	71	2860	IL RTE 58 (GOLF RD) AT RING RD	1		1	1	-			3			1	+	2	<u> </u>	+	+	1

FILE NAME =	USER NAME = pociechal	DESIGNED -	SVS		04/29/2016				SCHEDULI	E OF QUANTITIE	3	F.A. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
pw:\\IL084EBIDINTEG.1111no1s.gov:PWIDOT\D	cuments\IDOT_Offices\District_I\Projects\D124	91 <b>5RAAD</b> ata\T+af	f1d <b>\8</b> 124915-sht-ts-01.dgn	REVISED -		STATE OF ILLINOIS				USH BUTTONS A			2015-003TS	VARIOUS	59 24
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	IP / LP	REVISED -		DEPARTMENT OF TRANSPORTATION		INAFFIC 3	IUNAL FU	USH BUITUNS P				CONTRACT	T NO. 62456
Default	PLOT DATE = 4/27/2016	DATE -	03/25/2016	REVISED -			SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED. A	D PROJECT	



### **GENERAL NOTES**

- \* CONTRACTOR SHALL RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT TO A NEW TRAFFIC SIGNAL POST. THE COST OF THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT. PAY ITEM.
- \* CONTRACTOR SHALL RELOCATE EXISTING PUSH BUTTON FROM THE MAST ARM LOCATED AT THE SE CORNER TO THE TRAFFIC SIGNAL POST AT THE SE CORNER. ELECTRIC CABLE FOR FOR THE PUSH BUTTON SHALL BE REMOVED AND REINSTALLED AT THE NEW LOCATION. THE COST OF THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON, PAY ITEM.



STREET NAME SIGN

ENERGY COSTS TO:

8901 W 123RD ST PALOS PARK, IL 60464

VILLAGE OF PALOS PARK

ENERGY SUPPLY: CONTACT: ILYAS MOHIUDDIN

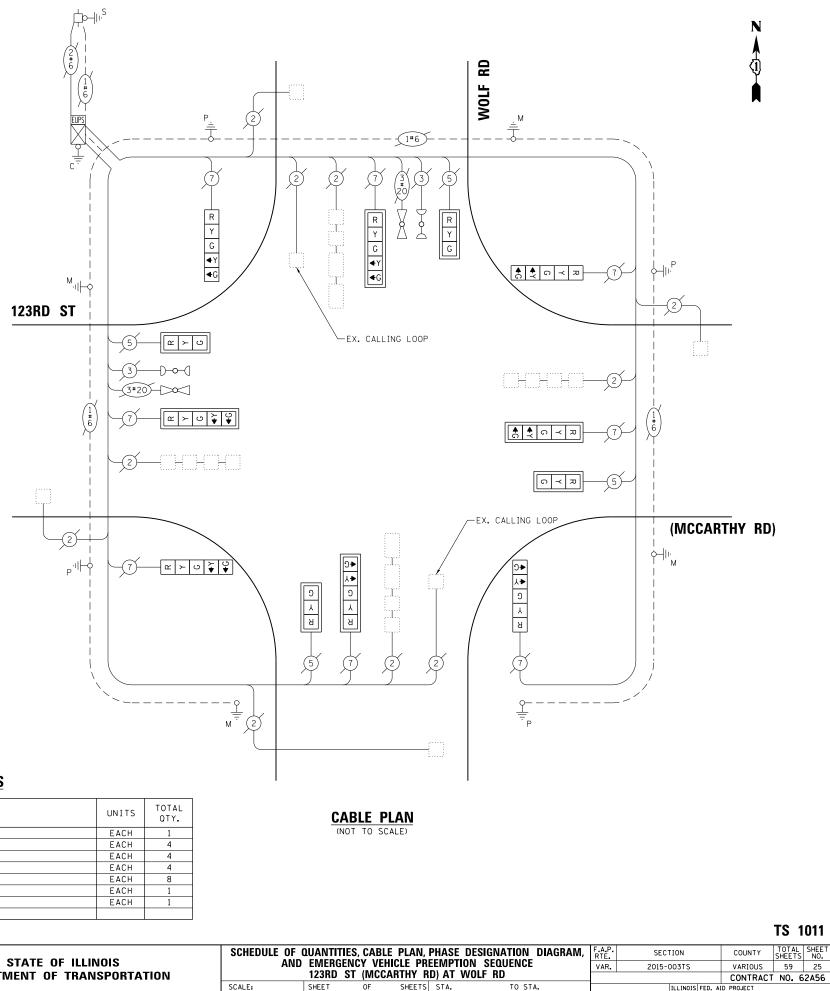
120

PHONE: (708) 235-2692 COMPANY: COMMONWEALTH EDISON

50

TOTAL =

283.8

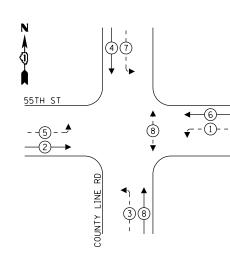


#### SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	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
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

ACCOUNT NUMBER:											
FILE NAME =	USER NAME = plascenciai	DESIGNED -	IP	REVISED -	4/29/2016		SCHEDULE OF (	QUANTITI	ES, CABL	E PLAN, I	PI
pw:\\IL084EBIDINTEG.1111no1s.gov:PWIDOT\Do	uments\IDOT Offices\District 1\Projects\D124	91 <b>13R0A1110</b> ioto∖⊺⊬off	1c <b>N9</b> 124915-sht-ts-02.dgn	REVISED -		STATE OF ILLINOIS	AND	EMERGE	NĊY VEI	HICLE PRF	έE
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	AK	REVISED -		DEPARTMENT OF TRANSPORTATION	l	123RD ያ	ST (MCC	ARTHY RI	D)
Default	PLOT DATE = 4/28/2016	DATE -	3/15/2016	REVISED -			SCALE:	SHEET	OF	SHEETS	

ILLINOIS FED. AID PROJECT



#### LEGEND:

- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE

**REMOVAL NOTES:** 

3-SECTION SIGNAL HEAD

5-SECTION SIGNAL HEAD

PEDESTRIAN SIGNAL HEAD

PEDESTRIAN PUSH-BUTTON

TRAFFIC SIGNAL BACKPLATE

OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THE

TRAFFIC SIGNAL CONTROLLER

ITEM DESCRIPTION

EACH

EACH

EACH

EACH

EACH

EACH

EACH

INDUCTIVE LOOP DETECTOR

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

PEDESTRIAN PUSH-BUTTON

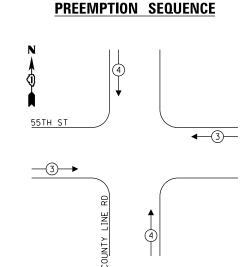
8

8

1

◄-(\*)- ► PEDESTRIAN PHASE

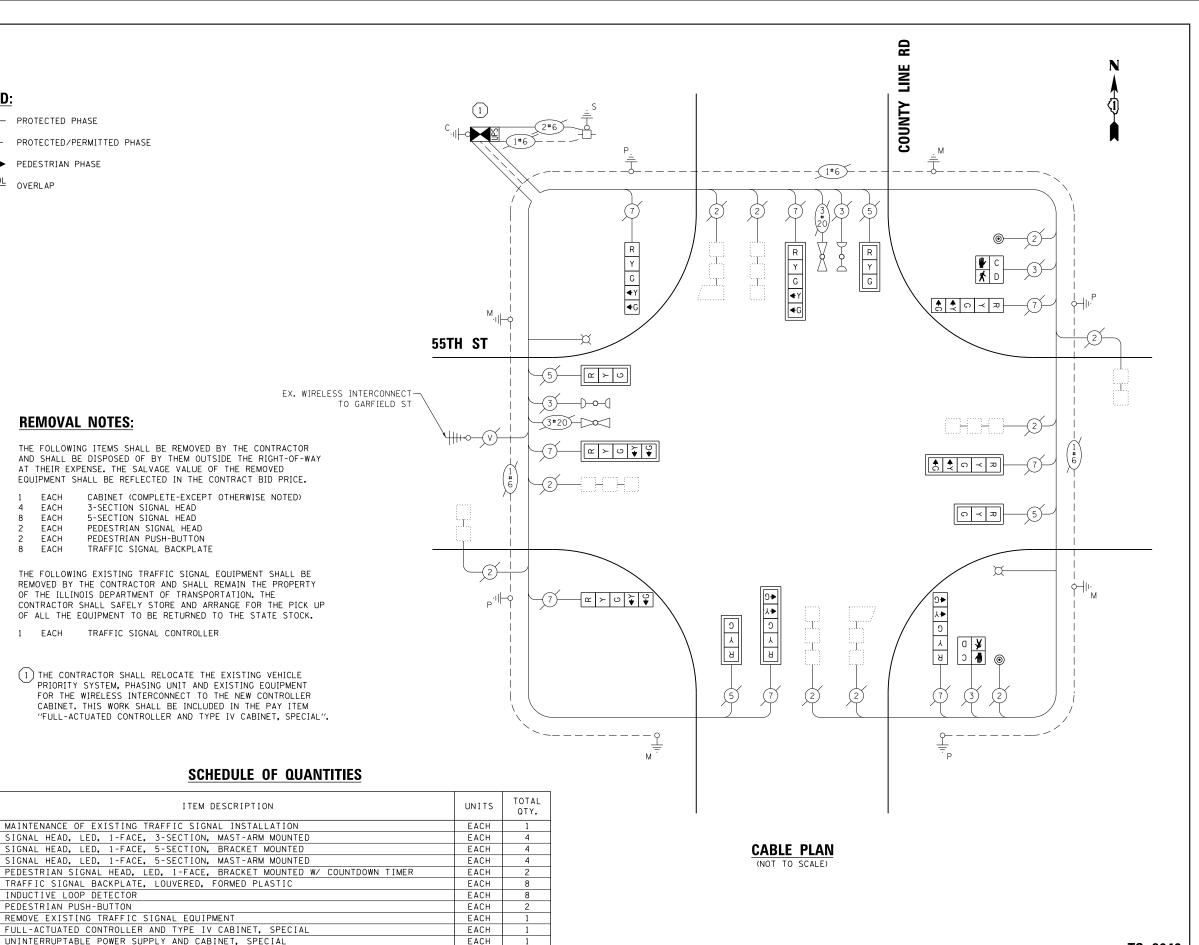
♦ OL OVERLAP



(4)

**EXISTING EMERGENCY VEHICLE** 

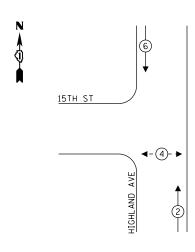
#### **TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS** NO. OF LAMPS LED % OPERATION TOTAL TYPE WATTAGE WATTAGE SIGNAL 12 50 66.0 (RED) 11 (YELLOW) 12 20 12.0 (GREEN) 12 12 45 64.8 PERMISSIVE ARROW 16 16.0 10 10 PED. SIGNAL 20 100 40.0 CONTROLLER 100 100 100.0 25 100 25.0 UPS VIDEO SYSTEM 150 100 BLANK-OUT SIGN 25 5 -FLASHER 50 -STREET NAME SIGN 120 50 TOTAL = 323.8 ENERGY COSTS TO: VILLAGE OF HINSDALE 19 E CHICAGO AVE HINSDALE, IL 60521 ENERGY SUPPLY: CONTACT: ILYAS MOHIUDDIN PHONE: (708) 235-2692 COMPANY: COMMONWEALTH EDISON ACCOUNT NUMBER: ---FILE



HOUDDALL HOUDDEN														
FILE NAME =	USER NAME = plascenciai	DESIGNED -	IP	REVISED - 4/29/2016		SCHEDULE	OF QUANTITIE	ES, CABL	LE PLAN, PHASE	DESIGNATION DIAGRAM,	F.A.P.	SECTION	COUNTY TOTAL	AL SHEET
pw:\\IL084EBIDINTEG.111:no1s.gov:PWIDOT\Do	uments\IDOT Offices\District 1\Projects\D124	91 <b>6R0A10</b> Nata\T+a	fficN9124915-sht-ts-02.dgr	REVISED -	STATE OF ILLINOIS					ION SEQUENCE	VAR.	2015-003TS	VARIOUS 59	26
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	AK	REVISED -	DEPARTMENT OF TRANSPORTATION		55T	TH ST A	AT COUNTY LINE	E RD			CONTRACT NO.	62A56
Default	PLOT DATE = 4/28/2016	DATE -	3/15/2016	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED. 4	ID PROJECT	

## TS 3840

## ECON DUPAGE COUNTY SYSTEM



#### LEGEND:

- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE
- ◄-(\*)- ► PEDESTRIAN PHASE

♦ <u>OL</u> OVERLAP

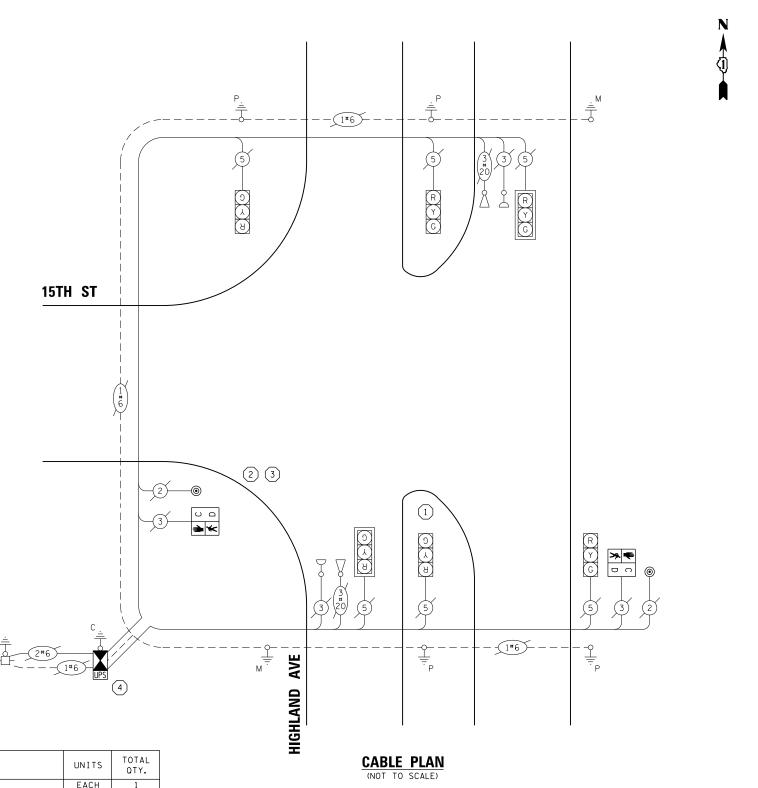
#### **REMOVAL NOTES:**

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.

- CONTROLLER AND CABINET (COMPLETE) TRAFFIC SIGNAL POST PUSH-BUTTON POST PEDESTRIAN SIGNAL HEAD EACH 1
- EACH
- EACH
- FACH 2 PEDESTRIAN PUSH-BUTTON 2 EACH

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

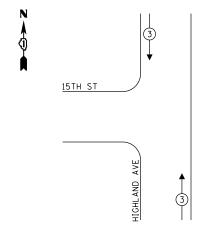
- (2) REPLACE THE PEDESTRIAN PUSH BUTTON POST WITH A 10 FT POST. RE-USE THE EXISTING TYPE A CONCRETE FOUNDATION.
- (3) THE CONTRACTOR SHALL INSTALL THE NEW PEDESTRIAN SIGNAL HEAD ON THE PROPOSED 10 FT POST. THE EXISTING ELECTRIC CABLE FOR THE PEDESTRIAN SIGNAL HEAD CABLE SHALL BE REMOVED AND REINSTALLED AT THE NEW LOCATION. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT".
- (4) The contractor shall relocate the existing vehicle priority system, phasing unit to the new controller CABINET. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "FULL-ACTUATED CONTROLLER AND TYPE IV CABINET".



ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
RELOCATE EXISTING SIGNAL HEAD	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE AND REPLACE ANCHOR BOLTS	EACH	1
MODIFY EXISTING TYPE "D" FOUNDATION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

ACCOUNT NUMBER:													
FILE NAME =	USER NAME = plascenciai	DESIGNED - IP	REVISED - 4/29/2016		SCHEDULE OF	QUANTITIES	, CABL	E PLAN, PHAS	E DESIGNATION DIAGRAM,	F.A.P.	SECTION	COUNTY	TOTAL SHEET
pw:\\IL084EBIDINTEG.1111no15.gov:PWIDOT\D	ocuments\IDOT_Offices\District_1\Projects\D12	49 <b>13R0AWIN</b> ata\T+affic <b>N9</b> 124915-sht-ts-02.dg	REVISED -	STATE OF ILLINOIS	AND				TION SEQUENCE	VAR.	2015-003TS	VARIOUS	59 27
	PLOT SCALE = 40.0000 ' / in.	CHECKED – AK	REVISED -	DEPARTMENT OF TRANSPORTATION		HIG	HLAND	AVE AT 15TH	I ST				T NO. 62456
Default	PLOT DATE = 4/28/2016	DATE - 3/15/2016	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FE	AID PROJECT	

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE** 



-				
	TRAFF	C SIGN	AL	
ELECTRICA	L SERV	ICE RE	QUIREMEI	NTS
	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	6	11	50	33.0
(YELLOW)	6	20	5	6.0
(GREEN)	6	12	45	32.4
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
			TOTAL =	236.4
ENERGY COSTS TO:				
VILLAGE OF L	OMBAR	D		
255 E WILSON AVE		D		
LOMBARD. IL 60148				
ENERGY SUPPLY: C			0	
LINEINOI JUITETE CI	· · · ·	(630) 424-		
			ALTH EDISON	
ACCOUNT I			ALTH EDISON	
FILE NAME =		USER NAME	= plascenciai	
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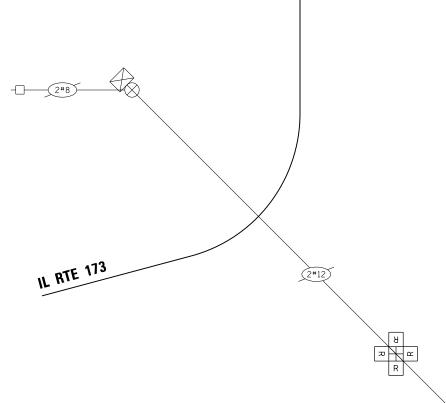
#### SCHEDULE OF QUANTITIES

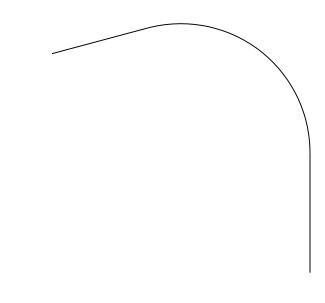
#### TS 8325

#### **REMOVAL NOTES:**

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 4-WAY FLASHER





#### SCHEDULE OF QUANTITIES

# ITEM DESCRIPTIONUNITSTOTAL<br/>OTY.MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATIONEACH1REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENTEACH1SIGNAL HEAD, LED, 4-FACE, 1-SECTION, SPAN WIRE MOUNTEDEACH1

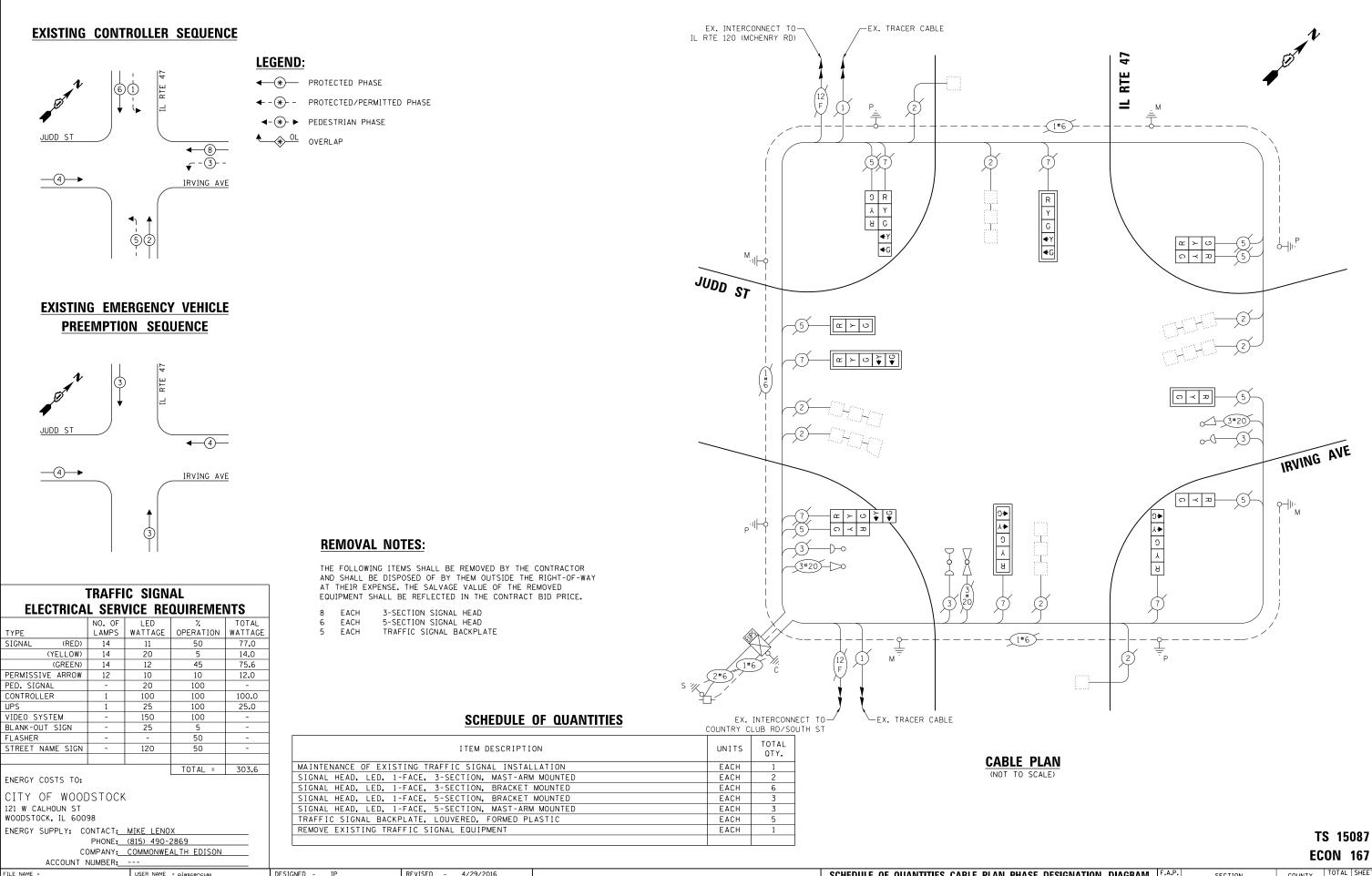
CABLE PLAN

(NOT TO SCALE)

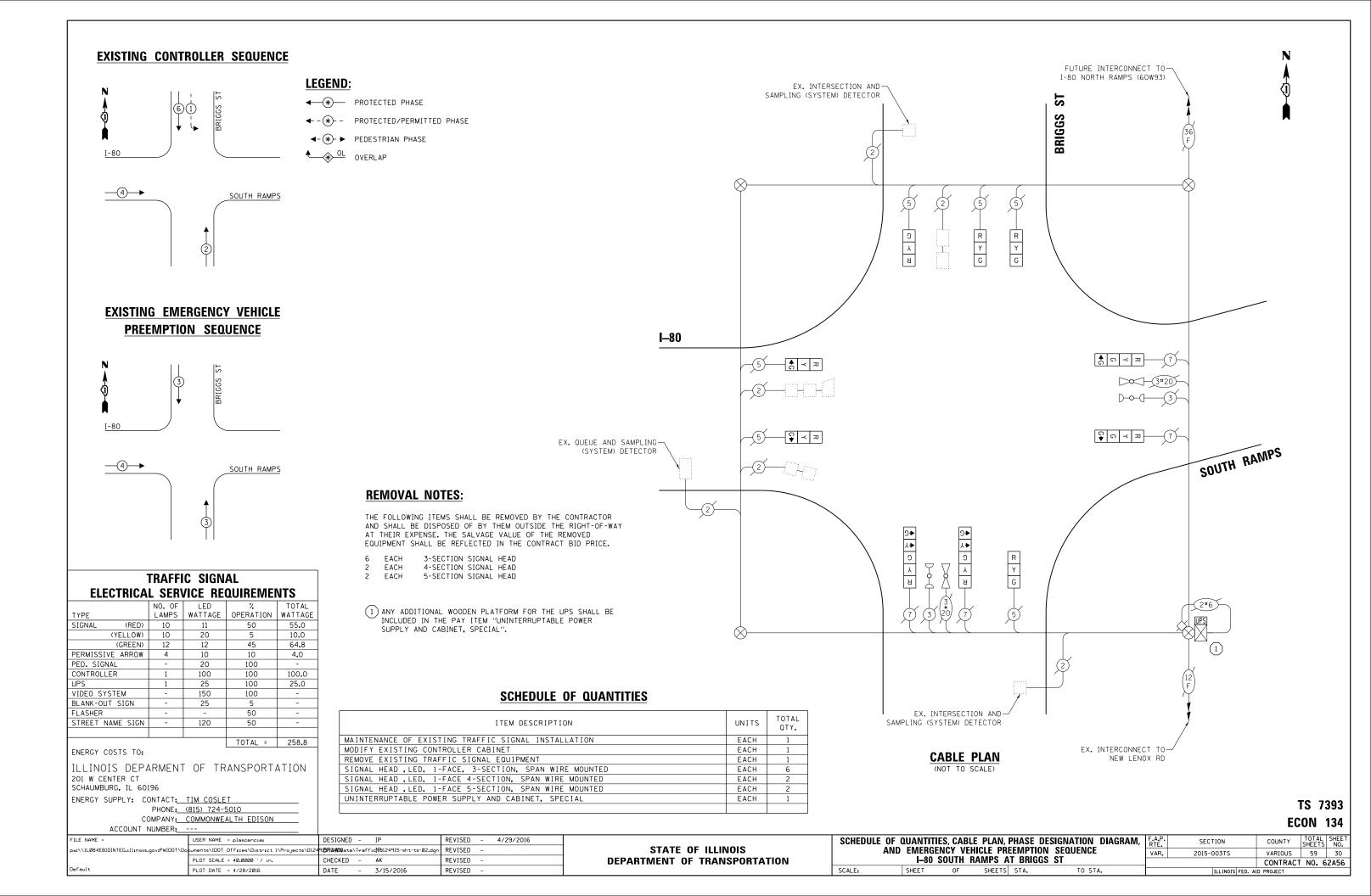
	ACCOUNT NUMBER:											
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F	ow:\\IL084EBIDINTEG.1111no1s.gov:PWIDOT\Do	cuments\IDOT_Offices\District_1\Projects\D124	91 <b>13R0A1110</b> ata∖⊺⊬aff	1c <b>N9</b> 124915-sht-ts-02.dgn	REVISED -	-	STATE OF ILLINOIS	3	CHEDULE	L RTE 47		
		PLOT SCALE = 40.0000 ' / in.	CHECKED -	AK	REVISED -	-	DEPARTMENT OF TRANSPORTATION			L NIC 4/		ЛІ
4	Default	PLOT DATE = 4/28/2016	DATE -	3/15/2016	REVISED -	=		SCALE:	SHEET	OF	SHEETS	S

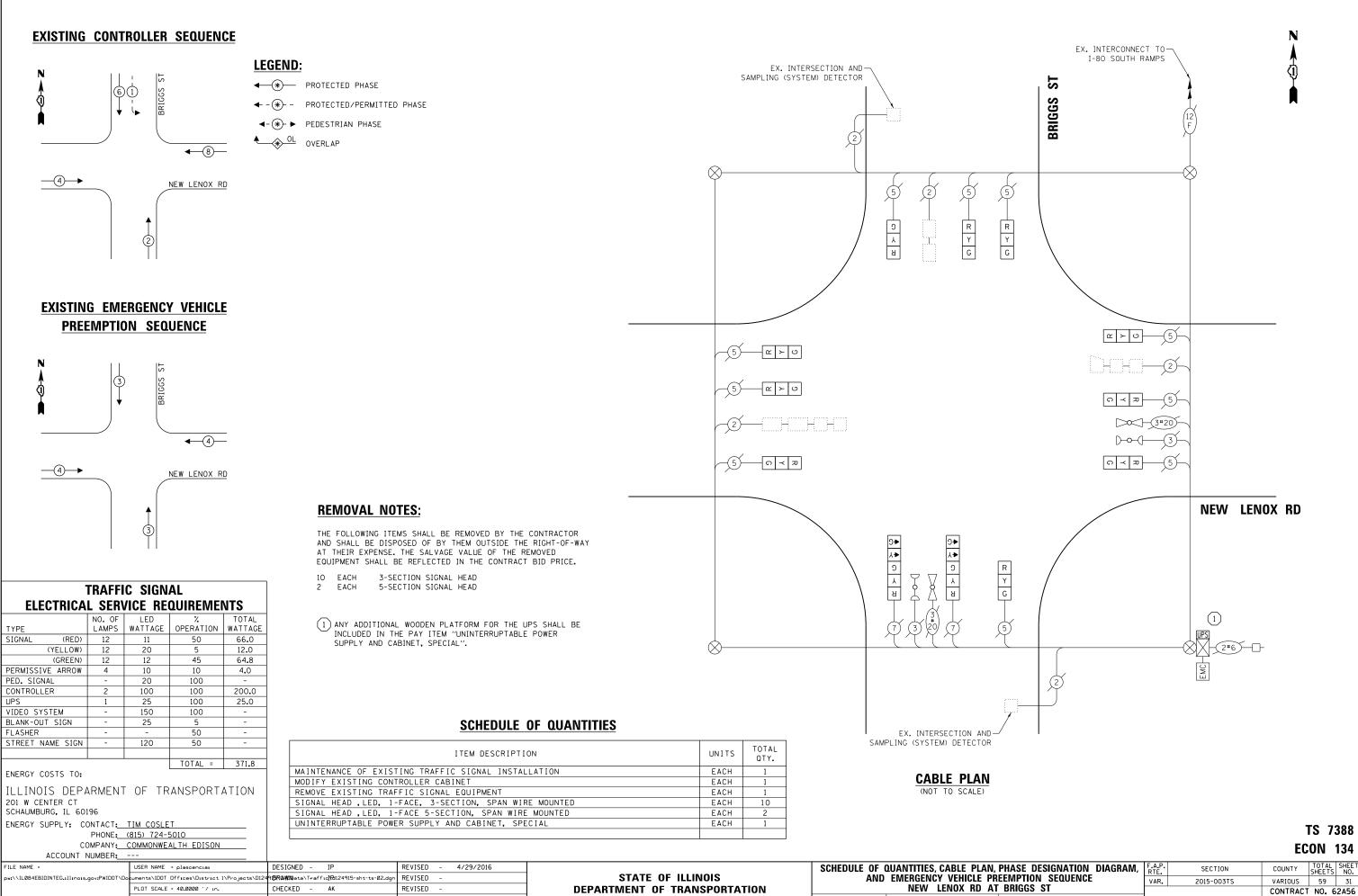
	TRAFFI	C SIGN	AL	
ELECTRICA	L SER	<b>/ICE RE</b>	QUIREME	NTS
	NO. OF	LED	%.	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	4	11	50	22.0
(YELLOW)	-	20	5	-
(GREEN)	-	12	45	-
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	10	100	10.0
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
			TOTAL =	32.0
ENERGY COSTS TO: ILLINOIS DEP/ 201 W CENTER CT SCHAUMBURG, IL 60		r of tr	ANSPORT	ATION
ENERGY SUPPLY: C	ONTACT:	MIKE LENO	Х	
	PHONE:	(815) 490-	2869	
C	OMPANY:	COMMONWE	<u>ALTH EDISON</u>	
ACCOUNT	NUMBER:			
FILE NAME =		USER NAME	= plascenciai	
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IL RTE 47		N ↓ ↓
		_
		-
S AND CABLE PLAN IL RTE 173 TS STA. TO STA.	F.A.P.         SECTION           RTE.         2015-003TS           ILLINOIS FED. AID	FL 830 COUNTY TOTAL SHEET SHEETS NO. VARIOUS 59 28 CONTRACT NO. 62A56 PROJECT



ACCOUNT NUMBER																
FILE NAME =	USER NAME = plascenciai	DESIGNED -	IP	REVISED -	4/29/2016		SCHEDULE OF	QUANTITIE	ES, CABL	E PLAN, PH	ASE DESIG	GNATION DIAGRAM,	F.A.P.	SECTION	COUNTY	TOTAL SHEET
pw:\\ILØ84EBIDINTEG.1111no15.gov:PWIDOT\Do	cuments\IDOT_Offices\District_I\Projects\D1	2491 <b>3R0410</b> 0ata\T+a	ff1c <b>N9</b> 124915-sht-ts-02.0	gn REVISED -		STATE OF ILLINOIS	AN			<b>HCLE PREE</b>			VAR.	2015-003TS	VARIOUS	59 29
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	АК	REVISED -		DEPARTMENT OF TRANSPORTATION		IL RTE	47 AT	IRVING AVE	<u> /JUDD  s</u>	ST				T NO. 62456
Default	PLOT DATE = 4/29/2016	DATE -	3/15/2016	REVISED -			SCALE:	SHEET	OF	SHEETS S	ΤΑ.	TO STA.		ILLINOIS FED.	AID PROJECT	

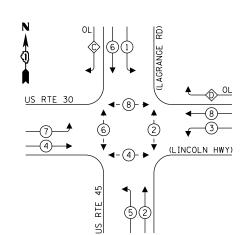




TO STA.

ILLINOIS FED. AID PROJECT

ACCOUNT NUMBER:											
FILE NAME =	USER NAME = plascenciai	DESIGNED -	IP	REVISED -	4/29/2016		SCHEDULE OF	QUANTITIES	, CABLE P	LAN, P	HASE
pw:\\IL084EBIDINTEG.1llinois.gov:PWIDOT\Do	cuments\IDOT_Offices\District_l\Projects\D124	916RAMD9ata\Traft	fic <b>]%</b> 0124915-sht-ts-02.dgn	REVISED -		STATE OF ILLINOIS	AND	EMERGEN	<b>CY VEHICL</b>	E PRE	EMPTI
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	AK	REVISED -		DEPARTMENT OF TRANSPORTATION		NEW	LENOX RI	D AT	BRIGG
Default	PLOT DATE = 4/28/2016	DATE -	3/15/2016	REVISED -			SCALE:	SHEET	OF S	HEETS	STA.



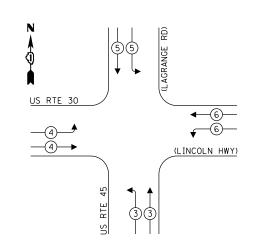
#### LEGEND:

- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE
- **◄-(\*)- ►** PEDESTRIAN PHASE
- ♦ OL OVERLAP

#### **RIGHT TURN OVERLAP** PHASE DESIGNATION:

	DEGIGIN	1014.
OVERLAP	PERMISSIVE	PROTECTED

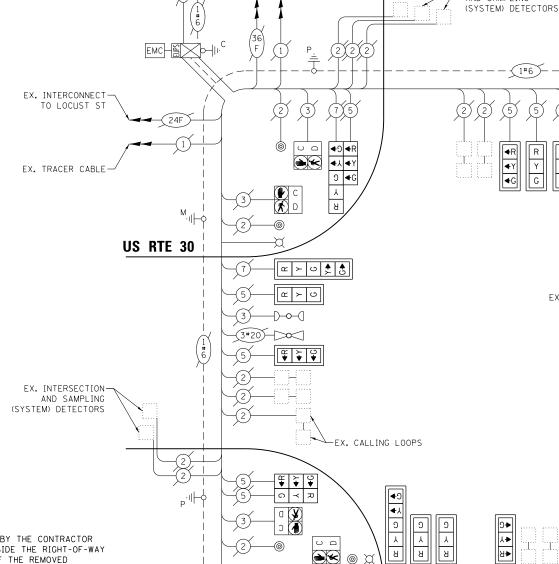
LETTER		PHASE	_	PHASE
C	=	6	+	7
D	=	8	+	1



**EXISTING EMERGENCY VEHICLE** 

**PREEMPTION SEQUENCE** 

		C SIGN		
ELECTRICA	L SER\	VICE RE	QUIREMEI	NTS
	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	21	11	50	115.5
(YELLOW)	21	20	5	21.0
(GREEN)	21	12	45	113.4
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	2	100	100	200.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
			TOTAL =	642.9
ENERGY COSTS TO:				
VILLAGE OF F		OPT		
432 W NEBRASKA SI		UNI		
FRANKFORT, IL 6042				
		T	-	
ENERGY SUPPLY: C				
<u></u>		(815) 724-		
			ALTH EDISON	
ACCOUNT I	NUMBER:	-		
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		DI OT COM F		



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-EX. INTERCONNECT TO MARKET ST

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-EX. TRACER CABLE

EX. INTERSECTION AND SAMPLING

-(1#6)

R Y G

(5) (5)

#### **REMOVAL NOTES:**

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.

- 17 EACH 3-SECTION SIGNAL HEAD EACH 5-SECTION SIGNAL HEAD 4
- 13 EACH TRAFFIC SIGNAL BACKPLATE

#### SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	11
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

(NOT TO SCALE)

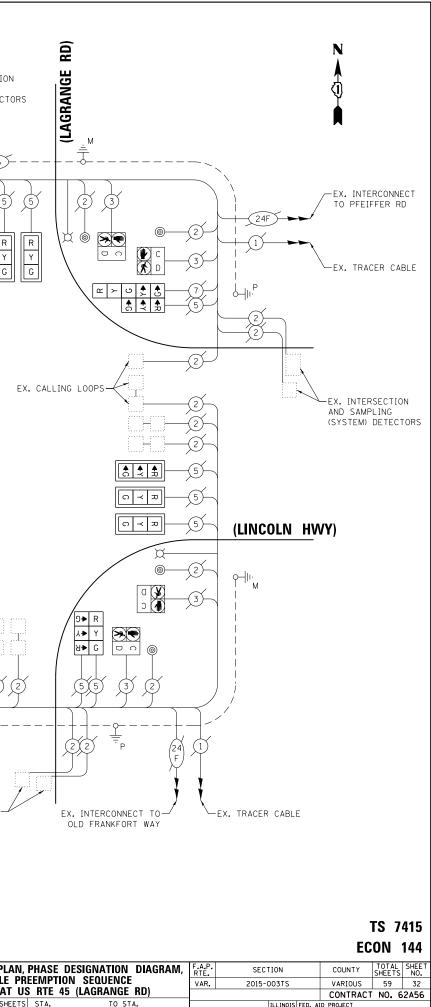
5

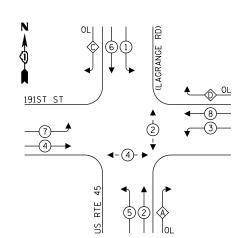
-(1#6)

EX. INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

CABLE PLAN

ACCOUNT NUMBER:									
FILE NAME =	USER NAME = plascenciai	DESIGNED -	IP	REVISED -	4/29/2016		SCHEDULE OF	QUANTITIES,	CABLE PLAN, P
pw://IL084EBIDINTEG.111no1s.gov:PWIDOT/Do	cuments\IDOT Offices\District 1\Projects\D124	91 <b>63RØAWDN</b> oto∖T⊬off	f1c <b>\\0</b> 124915-sht-ts-02.dgn	REVISED -		STATE OF ILLINOIS	AND	<b>EMERGENCY</b>	<b>VEHICLE PREE</b>
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	AK	REVISED -		DEPARTMENT OF TRANSPORTATION	US RTE	30 (LINCOLN	HWY) AT US
Default	PLOT DATE = 4/28/2016	DATE -	3/15/2016	REVISED -			SCALE:	SHEET (	OF SHEETS





#### LEGEND:

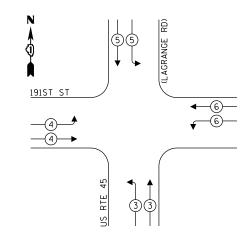
- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE
- ◄-(\*)- ► PEDESTRIAN PHASE

♦ OL OVERLAP

#### **RIGHT TURN OVERLAP** PHASE DESIGNATION:

VERLAP		PERMISSIVE		PROTECTED
ETTER		PHASE		PHASE
А	=	2	+	3
С	=	6	+	7
D	=	8	+	1





•	TRAFF	C SIGN	AL	
ELECTRICA				NTS
	NO. OF	LED	7.	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	22	11	50	121.0
(YELLOW)	22	20	5	22.0
(GREEN)	22	12	45	118.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
			TOTAL =	482.8
ENERGY COSTS TO:				
VILLAGE OF M				
11004 CARPENTER S				
MOKENA, IL 60448	I			
ENERGY SUPPLY: CO	ONTACT:	TIM COSLE	Т	
	PHONE:	(815) 724-	5010	
CC	MPANY:	COMMONWE	ALTH EDISON	
ACCOUNT 1	NUMBER:			
FILE NAME =		USER NAME	= plascenciai	
pw:///IL084EBIDINTEG.1111no1s.	gov:PWIDOT\C	locuments\IDOT	Offices\District 1	\Projects\D12
		PLOT SCALE	= 40.0000 ′ / in.	
Default		PLOT DATE	- 4/29/2016	

## NOTE:

PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4

#### **REMOVAL NOTES:**

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

PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON EACH Δ

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

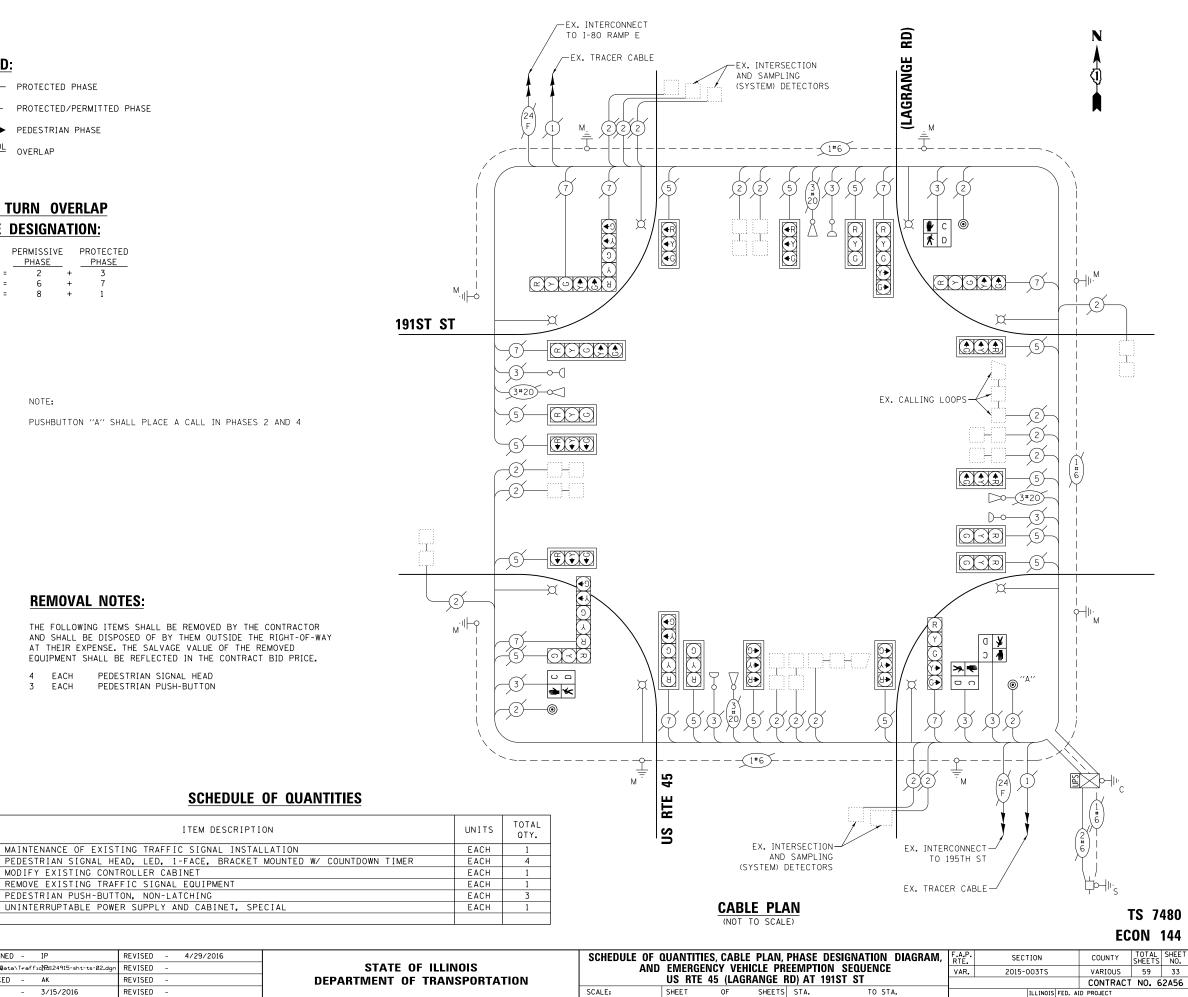
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL

EACH 3

MODIFY EXISTING CONTROLLER CABINET

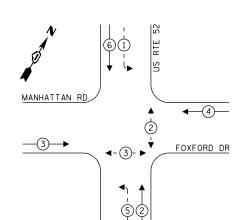
PEDESTRIAN PUSH-BUTTON, NON-LATCHING

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT



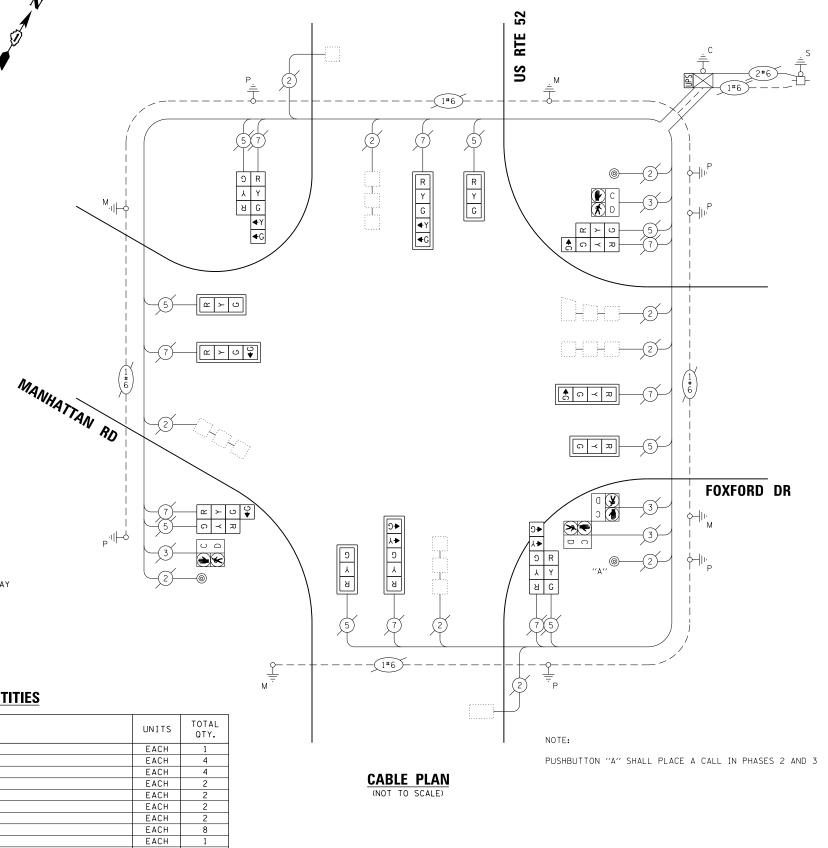
FILE NAME =	USER NAME = plascenciai	DESIGNED -	IP	REVISED	-	4/29/2016		SCHEDULE OF	QUANTITIES	, CABLE	PLAN,	PHAS
pw:\\IL084EBIDINTEG.1111no1s.gov:PWIDOT\Do	cuments\IDOT Offices\District 1\Projects\D124	91 <b>13R0A1110</b> ata∖⊺⊬aff	1c <b>N</b> d124915-sht-ts-02.dgn	REVISED	-		STATE OF ILLINOIS	AND	EMERGENO			
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	AK	REVISED	-		DEPARTMENT OF TRANSPORTATION		US RTE 4	5 (LAGR	ANGE F	(D) A
Default	PLOT DATE = 4/28/2016	DATE -	3/15/2016	REVISED	-			SCALE:	SHEET	OF	SHEETS	STA.

ITEM DESCRIPTION



#### LEGEND:

- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE
- ◄- (\*)- ► PEDESTRIAN PHASE
- OVERLAP



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS           TYPE         NO. OF LAMPS         LED WATTAGE         ?         TOTAL           SIGNAL         (RED)         16         11         50         88.0           (YELLOW)         16         20         5         16.0           (GREEN)         20         12         45         108.0           PERMISSIVE ARROW         8         10         10         8.0           CONTROLLER         1         100         100         80.0           VIDEO         SIGNAL         4         20         100         80.0           CONTROLLER         1         100         100         100.0         100.0           UPS         1         25         1000         25.0         1           VIDEO SYSTEM         -         150         1000         -           BLANK-OUT SIGN         -         25         5         -           FLASHER         -         -         50         -           LENERGY COSTS TO:         ENERGY COSTS TO:         TOTAL =         425.0						
				NTS		
	NO. OF	LED	7.	TOTAL		
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE		
SIGNAL (RED)	16	11	50	88.0		
(YELLOW)	16	20	5	16.0		
(GREEN)	20	12	45	108.0		
PERMISSIVE ARROW	8	10	10	8.0		
PED. SIGNAL		20	100	80.0		
	1					
	1	25	100	25.0		
	-			-		
	-	25	-	-		
	-	-		-		
STREET NAME SIGN	-	120	50	-		
			TOTAL =	425.0		
ENERGY COSTS TO:						
VILLAGE OF N	илынат	ΤΑΝ				
245 S STATE ST		IAN				
MANHATTAN. IL 604	42					
•			<b>T</b>			
ENERGY SUPPLY: C						
0		(815) 724-	ALTH EDISON			
ACCOUNT			ALIH EDISUN			
FILE NAME =		USER NAME	= plascenciai			
pw:\\ILØ84EBIDINTEG.1111no15	.gov:PWIDOT\0	locuments/IDOT	Offices\District 1	\Projects\D124		

#### **REMOVAL NOTES:**

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
4	EACH	4-SECTION	SIGNAL	HEAD

4 EACH 5-SECTION SIGNAL H	HEAD

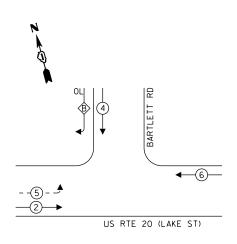
8 EACH TRAFFIC SIGNAL BACKPLATE

## SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	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, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

F	ACCOUNT NUMBER.				•	-							
	ILE NAME =	USER NAME = plascenciai	DESIGNED - IP	REVISED - 4/29/2016			SCHEDULE	OF QU	ANTITIES, CABLE	PLAN,	F.A.P.	SECTION	COUNTY TOTAL SHE
-  -	w:\\IL084EBIDINTEG.1llinois.gov:PWIDOT\Do	cuments\IDOT Offices\District 1\Projects\Di	12491 <b>6R04401</b> 0/ata\Traff1c <b>1</b> R0124915-sht	-ts-02.dgn REVISED -	STATE OF ILLINOIS		AND PHA	ASE DES	SIGNATION DIAGE	RAM	VAR.	2015-003TS	VARIOUS 59 34
		PLOT SCALE = 40.0000 '/ in.	CHECKED – AK	REVISED -	DEPARTMENT OF TRANSPORTATION		US RTE 52 AT	t manf	HATTAN RD /FOX	FORD DR		2010 000.0	CONTRACT NO. 6245
4	Default	PLOT DATE = 4/28/2016	DATE - 3/15/2016	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED.	ID PROJECT

TS 7386



#### LEGEND:

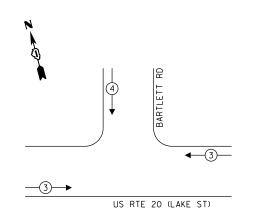
- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE

◄-(\*)- ► PEDESTRIAN PHASE

♦ OL OVERLAP

#### **RIGHT TURN OVERLAP** PHASE DESIGNATION:

OVERLAP		PERMISSIVE		PROTECTED
LETTER		PHASE		PHASE
B	=	4	+	5



**EXISTING EMERGENCY VEHICLE** 

PREEMPTION SEQUENCE

		C SIGN		
ELECTRICA	L SER	VILE RE	UUIKEIVIE	112
	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE		WATTAGE
SIGNAL (RED)	11	11	50	60.5
(YELLOW)	11	20	5	11.0
(GREEN)	11	12	45	59.4
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
	·		TOTAL =	263.9
ENERGY COSTS TO:				
		<b>TT</b>		
VILLAGE OF E		11		
228 S. MAIN STREE				
BARTLETT, IL 60103	5			
ENERGY SUPPLY: C	ONTACT:	JOE STACH	10	
	PHONE:	630-424-5	704	
C	OMPANY:	COMMONWE	ALTH EDISON	
ACCOUNT	NUMBER:			
FILE NAME =		USER NAME	= plascenciai	
pw://ILØ84EBIDINTEG.1111no1s	.gov:PWIDOT\(	Documents\IDOT	Offices\District	1\Projects\D12
		PLOT SCALE	= 40.0000 ′ / in.	

PLOT DATE = 4/29/2016

Default

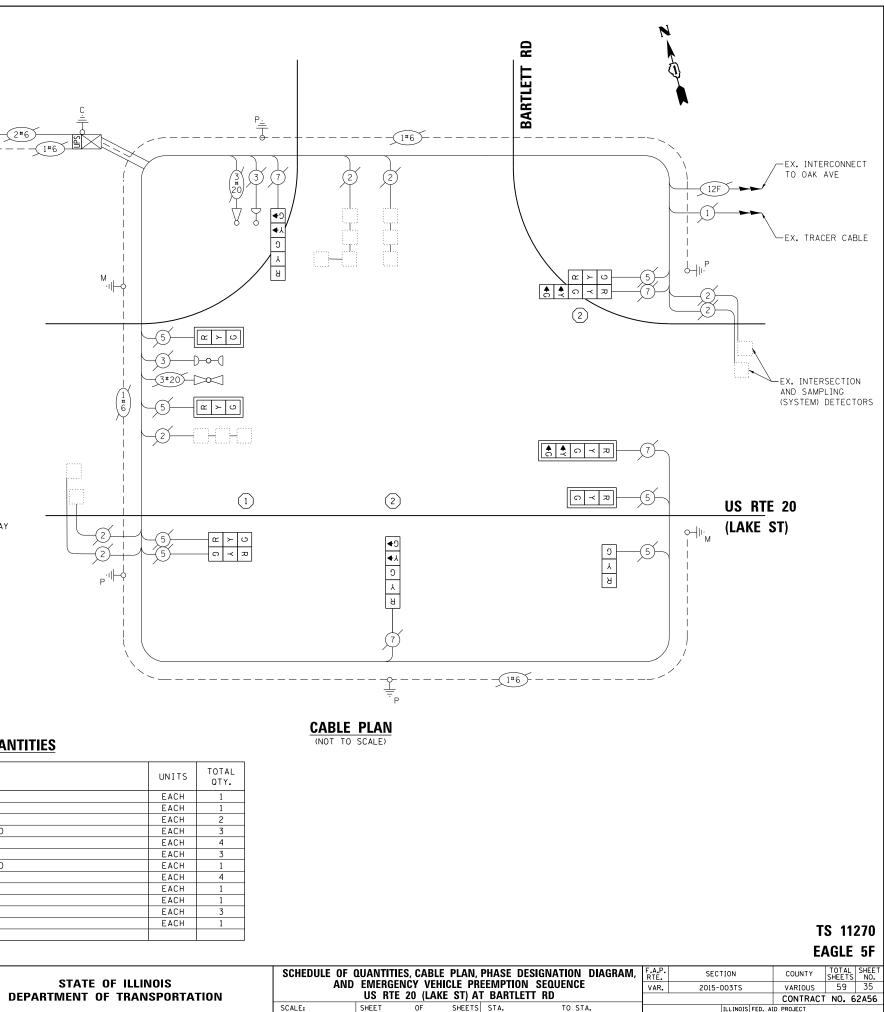
#### **REMOVAL NOTES:**

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 3
- EACH 7
- 4 FACH
- TRAFFIC SIGNAL POST 3-SECTION SIGNAL HEAD 5-SECTION SIGNAL HEAD TRAFFIC SIGNAL BACKPLATE 4 EACH

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

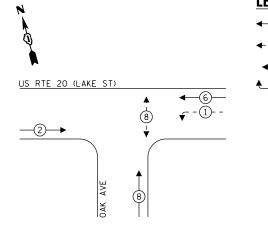
(2) REPLACE THE 16 FT PAINTED POST. RE-USE THE EXISTING TYPE A CONCRETE FOUNDATION.



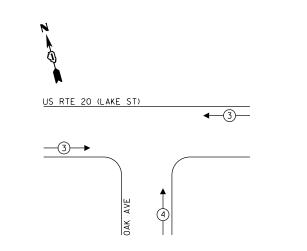
#### SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	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	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE AND REPLACE ANCHOR BOLTS	EACH	3
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

	DESIGNED - SS	REVISED - 4/29/2016		SCHEDULE OF	QUANTITIES	S, CABLE	PLAN, F	PHASE DESI	GNATIO
24	9 <b>13R0400)</b> ata\Traff1c\$9124915-sht-ts-03.dgn	REVISED -	STATE OF ILLINOIS	AND	EMERGEN	CY VEHIC	CLE PRE	EEMPTION S	SEQUEN
	CHECKED – AK	REVISED -	DEPARTMENT OF TRANSPORTATION		US RTE	20 (LAKE	ST) AT	BARTLETT	RD
	DATE - 4/27/16	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO



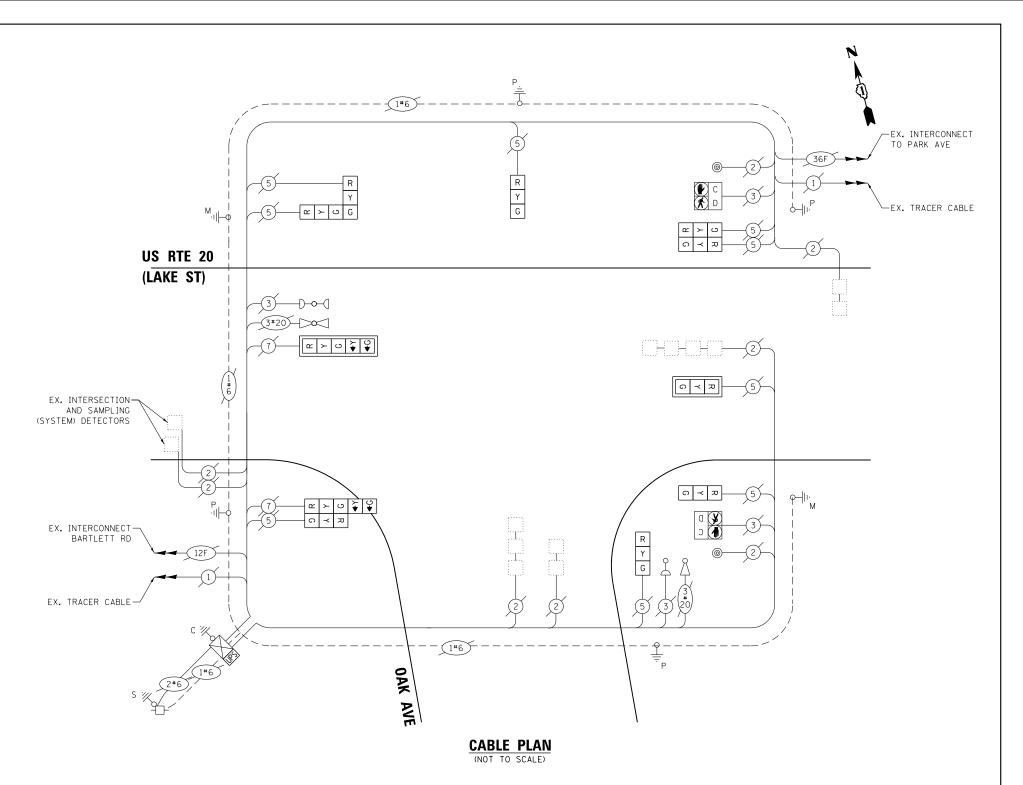
#### **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



TRAFFIC SIGNAL										
ELECTRICAL SERVICE REQUIREMENTS										
	NO. OF	LED	7.	TOTAL						
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE						
SIGNAL (RED)	11	11	50	60.5						
(YELLOW)	11	20	5	11.0						
(GREEN)	11	12	45	59.4						
PERMISSIVE ARROW	4	10	10	8.0						
PED. SIGNAL	2	20	100	40.0						
CONTROLLER	1	100	100	100.0						
UPS	1	25	100	25.0						
VIDEO SYSTEM	-	150	100	-						
BLANK-OUT SIGN	-	25	5	-						
FLASHER	-	-	50	-						
STREET NAME SIGN	-	120	50	-						
			TOTAL =	303.9						
ENERGY COSTS TO:										
VILLAGE OF B		тт								
228 S MAIN STREET										
BARTLETT, IL 60103										
			0							
ENERGY SUPPLY: C										
PHONE: (630-424-5704										
COMPANY: COMMONWEALTH EDISON										
ACCOUNT I	NUMBER:	-								
FILE NAME =		USER NAME								
pw:\\IL084EBIDINTEG.111:nois.gov:PWIDOT\Documents\IDOT_Offices\District_I\Projects\D124										
		PLOT SCALE	= 40.0000 ′ / in.							



- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE
- ◄- (\*)- ► PEDESTRIAN PHASE
- ♦ <u>OL</u> OVERLAP



### SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

RE	MOVAL	NOTE	S:
тиг		TTENC	cur

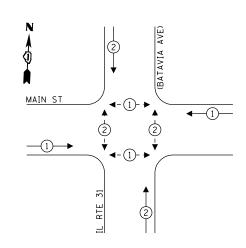
THF	FOLLC	WING	; []
AND	SHALL	BE	DIS
ΑT	THEIR	EXPE	NSE
EQU	IPMENT	SHA	LL
9	FACH		3-5
2	EACH		5-5
2	EACH		TR

Account Nomberg													
FILE NAME =	USER NAME = plascenciai	DESIGNED - SS	REVISED - 04/29/2016		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE		F.A.P.	SECTION	COUNTY	TOTAL SHEET			
pw:\\IL084EBIDINTEG.111no1s.gov:PWIDOT\Do	cuments\IDOT_Offices\District_1\Projects\D124	9 <b>13R0400)</b> ata\Traff1c <b>\$9</b> 124915-sht-ts-03.dgn	REVISED -	STATE OF ILLINOIS			VAR.	2015-003TS	VARIOUS	59 36			
	PLOT SCALE = 40.0000 '/ in.	CHECKED – AK	REVISED -	DEPARTMENT OF TRANSPORTATION	US RTE 20 (LAKE ST) AT OAK AVE					-	NO. 62A56		
Default	PLOT DATE = 4/29/2016	DATE - 04/27/2016	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. 4	ID PROJECT				

ITEMS SHALL BE REMOVED BY THE CONTRACTOR DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY NSE. THE SALVAGE VALUE OF THE REMOVED LL BE REFLECTED IN THE CONTRACT BID PRICE.

SECTION SIGNAL HEAD AFFIC SIGNAL BACKPLATE

> TS 1325 EAGLE 5F



**EXISTING EMERGENCY VEHICLE** 

**PREEMPTION SEQUENCE** 

# LEGEND:

← (\*) PROTECTED PHASE

← - (\*)- - PROTECTED/PERMITTED PHASE

◄- (\*)- ► PEDESTRIAN PHASE

OL OVERLAP

6

14

8

8

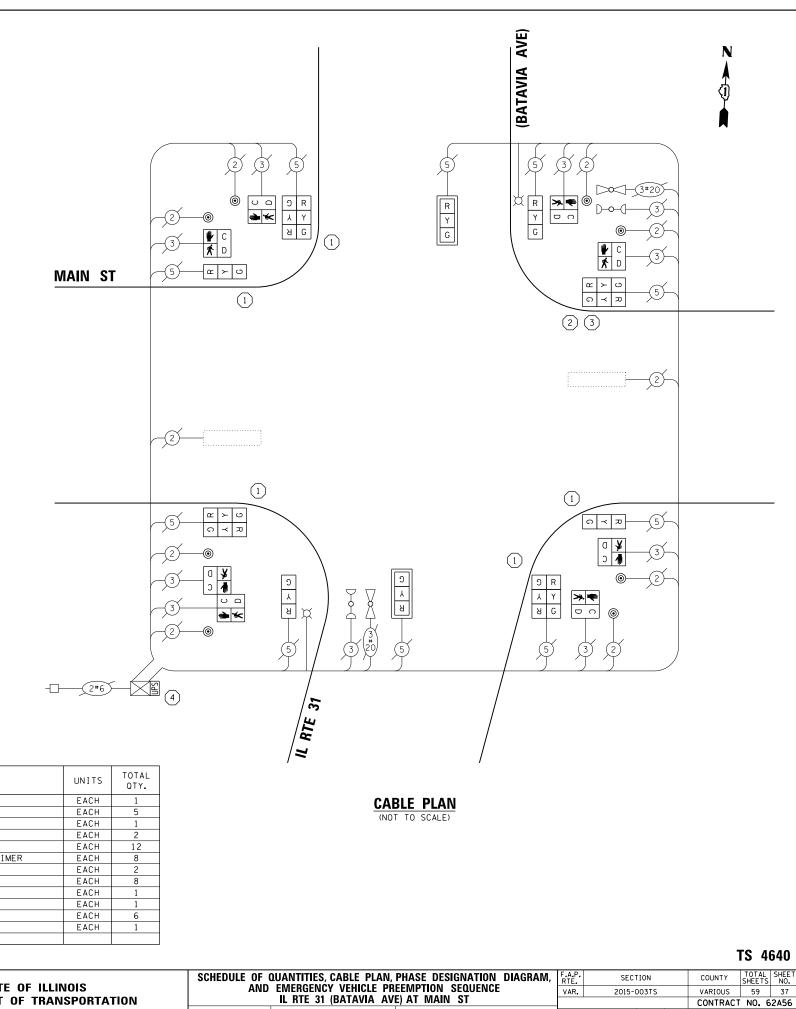
2

EACH

EACH EACH

EACH

FACH



#### **REMOVAL NOTES:**

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 PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON TRAFFIC SIGNAL BACKPLATE

1 REPLACE THE 14 FT PAINTED POST. RE-USE THE EXISTING

(2) REPLACE THE 18 FT PAINTED POST. RE-USE THE EXISTING

3 THE CONTRACTOR SHALL RELOCATE THE EXISTING VEHICLE PRIORITY SYSTEM, DETECTOR UNIT TO THE NEW 18 FT TRAFFIC SIGNAL POST. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT".

DUE TO PHYSICAL CONSTRAINTS. THE UPS SHALL BE MOUNTED

ON THE CONTROLLER CABINET SO THAT THE UPS DOOR IS

FACING THE SIDEWALK. THE UPS SHALL BE MOUNTED TO ALLOW THE CONTROLLER CABINET DOOR TO OPEN WITHOUT

CONFLICT BY THE USE OF SPACERS IF NECESSARY. COORDINATE EXACT INSTALLATION WITH THE TRAFFIC AREA ENGINEER. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL".

(4) THE UPS CABINET SHALL NOT BE MORE THAN 17"W X 17"D

TYPE A CONCRETE FOUNDATION.

TYPE A CONCRETE FOUNDATION.

MAIN ST	3	(BATAVIA AVE)	<b>←</b> _(4)
<u></u>	IL RTE 31	<b>▲</b> 3	

		C SIGN					
ELECTRICA	L SER\	/ICE RE	QUIREME	NTS			
	NO. OF	LED	7.	TOTAL			
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE			
SIGNAL (RED)	14	11	50	77.0			
(YELLOW)	14	20	5	14.0			
(GREEN)	14	12	45	75.6			
PERMISSIVE ARROW	-	10	10	-			
PED. SIGNAL	8	20	100	80.0			
CONTROLLER	1	100	100	100.0			
UPS	1	25	100	25.0			
VIDEO SYSTEM	-	150	100	-			
BLANK-OUT SIGN	-	25	5	-			
FLASHER	-	-	50	-			
STREET NAME SIGN	-	120	50	-			
			TOTAL =	371.6			
ENERGY COSTS TO:							
CITY OF BATA							
100 NORTH ISLAND BATAVIA, IL 60510	AVE						
ENERGY SUPPLY: C	· · · ·						
		(630) 424-					
			ALTH EDISON				
ACCOUNT I	NUMBER:						
FILE NAME =		USER NAME	= plascenciai				
pw://IL084EBIDINTEG.1111nois.gov:PWIDOT/Documents/IDOT Offices/District 1/Projects/D124							

#### SCHEDULE OF QUANTITIES

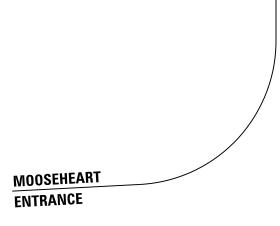
ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	12
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	8
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE AND REPLACE ANCHOR BOLTS	EACH	6
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

ſ	FILE NAME =	USER NAME = plascenciai	DESIGNED – IP	REVISED - 4/29/2016		SCHEDULE	OF QUANTITIE	S, CABL	E PLAN,	PHASE [	DESIGNATION DIAGRAM,	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
	pw:\\ILØ84EBIDINTEG.1111no1s.gov:PWIDOT\Do	ouments\IDOT_Offices\District_I\Projects\D124	9 <b>13R0AMD</b> ata\Traffic <b>R</b> 0124915-sht-ts-02.dgn	REVISED -	STATE OF ILLINOIS						IN SEQUENCE	VAR.	2015-003TS	VARIOUS	59	37
		PLOT SCALE = 40.0000 '/ in.	CHECKED – AK	REVISED -	DEPARTMENT OF TRANSPORTATION		IL RTE 3	31 (BAT/	AVIA AV	e) at m/	AIN ST			CONTRAC	CT NO.	62A56
	Default	PLOT DATE = 4/28/2016	DATE - 4/15/2016	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILL INOIS	ED. AID PROJECT		

### **REMOVAL NOTES:**

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 3-WAY FLASHER



•	TRAFF	C SIGN	AL	
ELECTRICA				NTS
	NO. OF	LED	7.	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	1	11	50	5.5
(YELLOW)	2	20	50	20.0
(GREEN)	-	12	-	-
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	10	100	10.0
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
			TOTAL =	35.5
ENERGY COSTS TO:				
ILLINOIS DEPA 201 W CENTER CT SCHAUMBURG, IL 60		OFIR	ANSPORT	ATION
ENERGY SUPPLY: C	ONTACT:	JOE STACH	10	
	PHONE:	(630) 424-	5704	
C	OMPANY	COMMONWE	ALTH EDISON	
ACCOUNT I				
FILE NAME =		USER NAME	= plascenciai	
pw:\\IL084EBIDINTEG.111nois.	.gov:PWIDOT\C	ocuments\IDOT	Offices\District 3	I\Projects\D124
		L		-

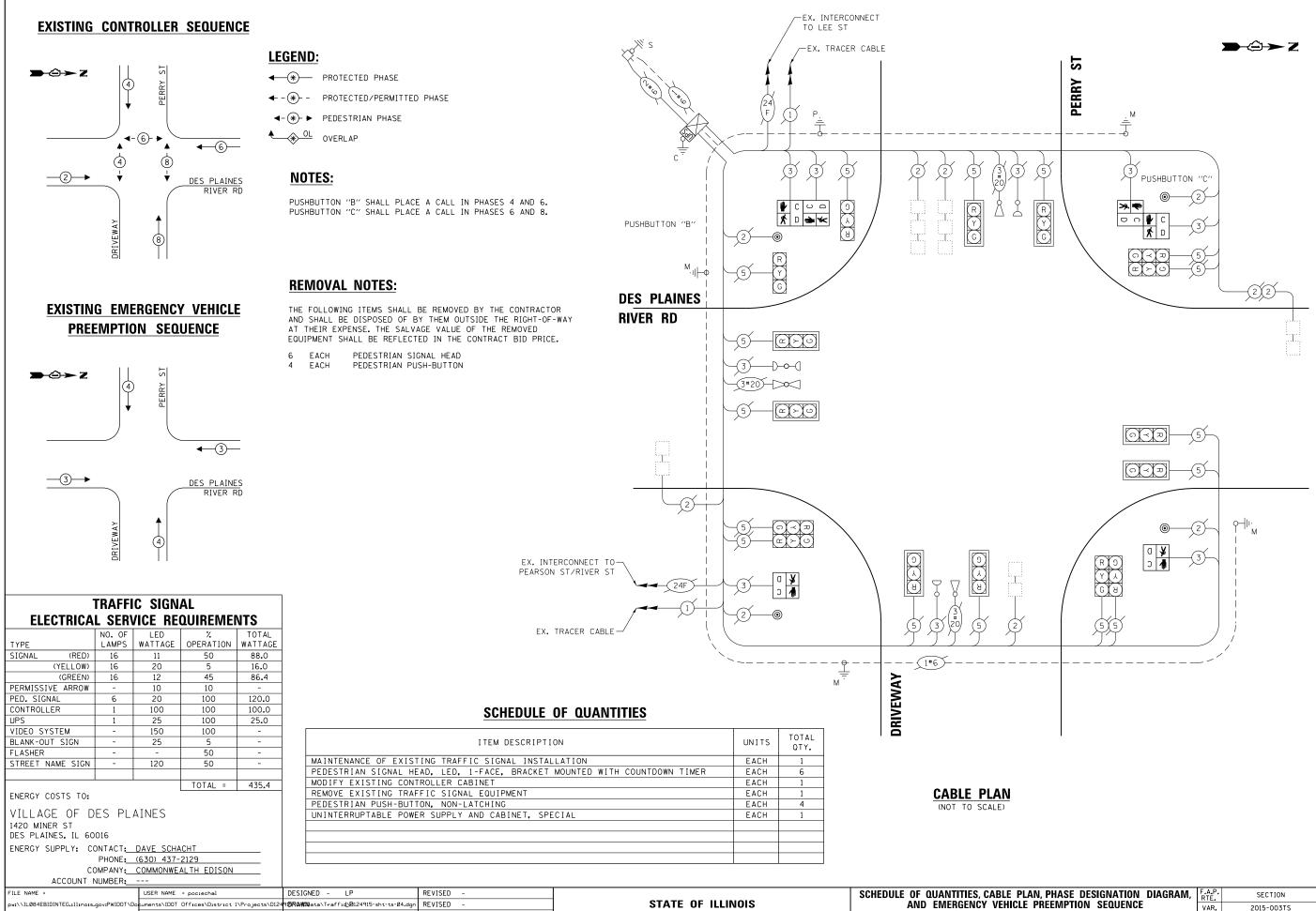
#### **SCHEDULE OF QUANTITIES**

# ITEM DESCRIPTION UNITS TOTAL OTY. MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION EACH 1 SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-SECTION, MAST ARM MOUNTED EACH 1 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1

(NOT TO SCALE)

Account numbers										
FILE NAME =	USER NAME = plascencia:	DESIGNED - IP		REVISED -	4/29/2016					
pw:\\ILØ84EBIDINTEG.111no1s.gov:PWIDOT\Do	cuments\IDOT Offices\District l\Projects\D12	491 <b>5R0AMD</b> ata∖T⊬afficNR31	124915-sht-ts-02.dgn	REVISED -		STATE OF ILLINOIS	3		F QUANTITIES AT MOOSEH	
	PLOT SCALE = 40.0000 '/ in.	CHECKED – AK		REVISED -		DEPARTMENT OF TRANSPORTATION		IL NIC 3	AT WOUSER	
Default	PLOT DATE = 4/28/2016	DATE - 4/1	15/2016	REVISED -			SCALE:	SHEET	OF SHEET	S STA.

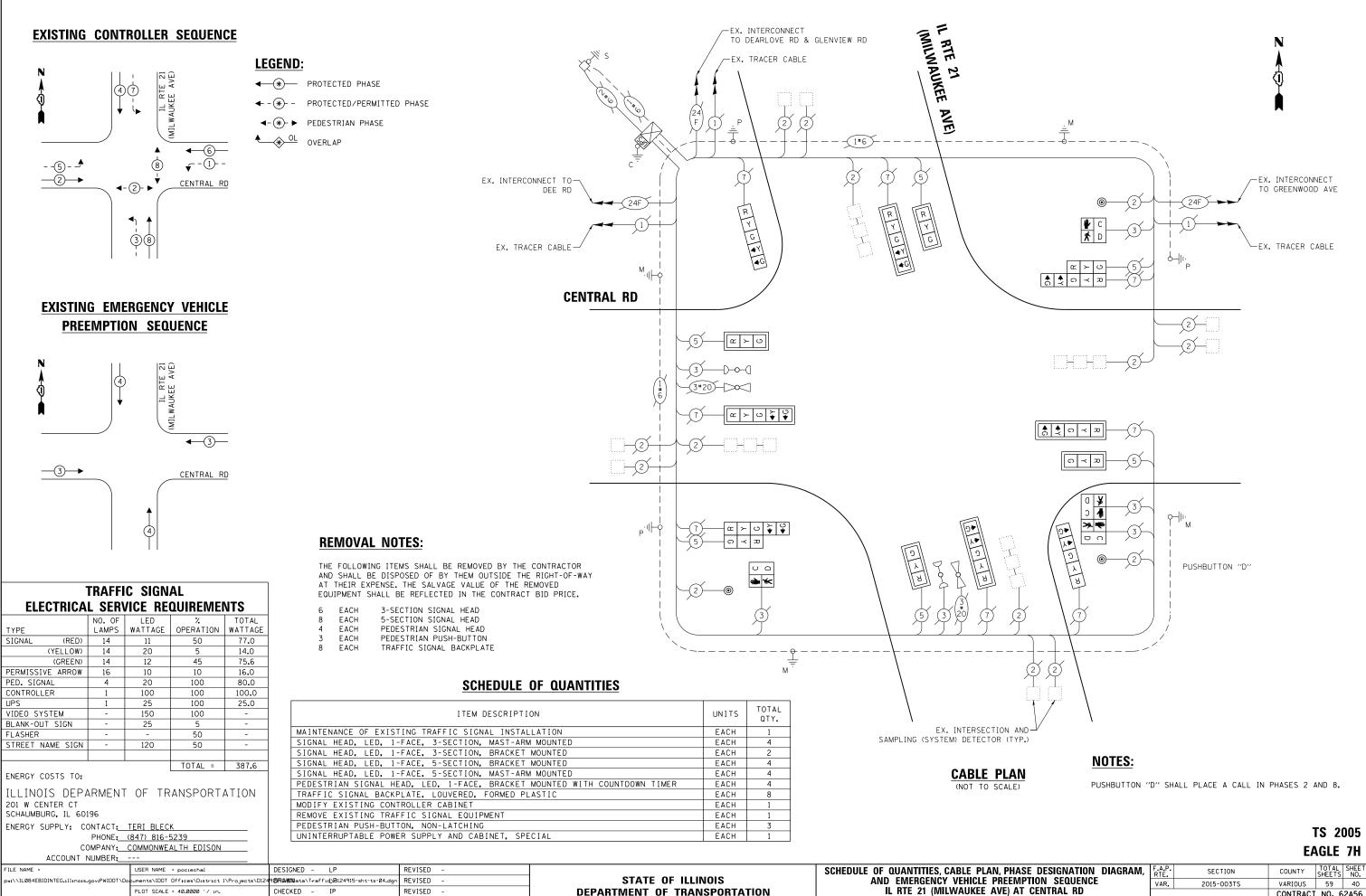
IL RTE 31			2	
3				
<b>N</b> E)				FL 170
TIES AND CABLE PLAN DSEHEART ENTRANCE	F.A.P. RTE. VAR.	SECTION 2015-003TS	COUNTY VARIOUS	TOTAL SHEET SHEETS NO. 59 38
SHEETS STA. TO STA.		ILLINOIS FED. AI	CONTRACT	NO. 62A56



									_
FILE NAME =	USER NAME = pociechal	DESIGNED - LP	REVISED -		SCHEDULE OF (	QUANTITIES,	CABLE /	PLAN, F	ק
pw://IL084EBIDINTEG.1111no15.gov:PWIDOT/Do	cuments\IDOT_Offices\District_l\Projects\D124	913R0AMD0ata\Traffid_08124915-sht-ts-04.dgn	REVISED -	STATE OF ILLINOIS	AND	EMERGENC	Y VEHIC	LE PRE	÷E
	PLOT SCALE = 40.0000 ' / in.	CHECKED – IP	REVISED -	DEPARTMENT OF TRANSPORTATION		DES PLAI	NES RIV	ER RD	
Default	PLOT DATE = 4/27/2016	DATE - 04/29/2016	REVISED -		SCALE:	SHEET	OF	SHEETS	

### TS 13070 **ECON 87**

J, PHASE DESIGNATION DIAGRAM,				SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
REEMPTION SEQUENCE		VAR. 2015-003TS VARIOUS		59	39					
RD AT PERRY ST					CONTRACT	NO. 6	2A56			
S	STA.	TO STA.	ILLINOIS FED. AID PROJECT							



SCALE:

SHEET

OF

SHEET

Default

PLOT DATE = 4/27/2016

DATE

- 04/29/2016

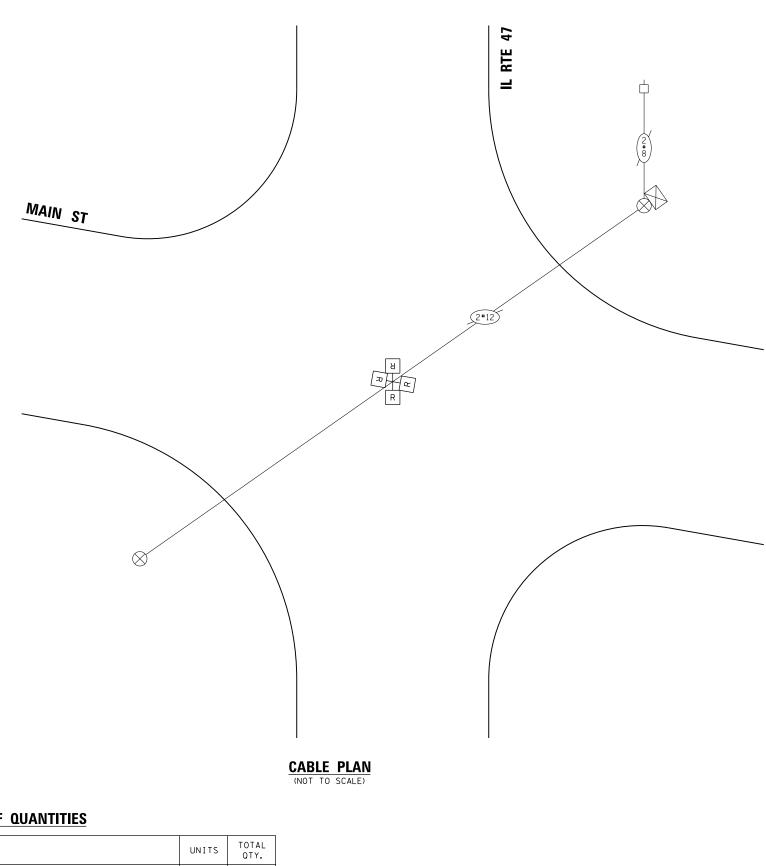
REVISED

N, PHASE DESIGNATION DIAGRAM, PREEMPTION SEQUENCE		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		2015-003TS	VARIOUS	59	40	
E) AT CENTRAL RD	_		CONTRACT	NO. 6	2A56	
STA. TO STA.	ILLINOIS FED. AID PROJECT					

### **REMOVAL NOTES:**

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 4-WAY FLASHER



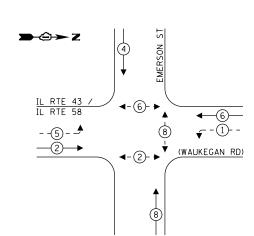
	TRAFFI	C SIGN	AL	
ELECTRICA	L SER\	/ICE RE	QUIREME	NTS
	NO. OF	LED	7.	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	4	11	50	22.0
(YELLOW)	-	20	5	-
(GREEN)	-	12	45	-
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	10	100	10.0
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
			TOTAL =	32.0
ENERGY COSTS TO:				
ILLINOIS DEP 201 w center ct schaumburg, il 60		OF TR	ANSPORT	ATION
ENERGY SUPPLY: C	ONTACT:	JOE STACH	10	
		(630) 424-		
C			ALTH EDISON	
ACCOUNT				
FILE NAME =		USER NAME	= plascenciai	
pw:\\IL084EBIDINTEG.1111no1s	.gov:PWIDOT\C	locuments\IDOT	Offices\District	l\Projects\D124
		PLOT SCALE	= 40.0000 ′⁄ in.	

# SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SIGNAL HEAD, LED, 4-FACE, 1-SECTION, SPAN WIRE MOUNTED	EACH	1

FILE NAME	: -	USER NAME = plascenciai	DESIGNED -	IP	REVISED - 4/29/2016		SCHEDULE OF QUANTITIES AND CABLE PLAN			F.A.P. RTE.	SECTION	COUNTY TOTAL SHEET SHEETS NO.		
pw:\\IL084	4EBIDINTEG.1111no1s.gov:PWIDOT\Do	cuments\IDOT_Offices\District_l\Projects\D124		f1dN9124915-sht-ts-02.d	-	STATE OF ILLINOIS		JUNEDOLL		AT MAIN CT		VAR.	2015-003TS	VARIOUS 59 41
		PLOT SCALE = 40.0000 ' / 10.	CHECKED -	AK	REVISED -	DEPARTMENT OF TRANSPORTATION								CONTRACT NO. 62A56
Default		PLOT DATE = 4/28/2016	DATE –	4/15/2016	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED.	AID PROJECT

# FL 210



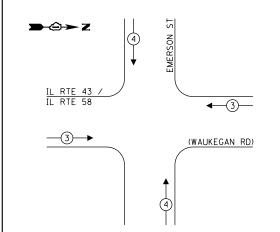
### LEGEND:

- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE

◄-(\*)- ► PEDESTRIAN PHASE

♦ <u>OL</u> OVERLAP

# **EXISTING EMERGENCY VEHICLE** PREEMPTION SEQUENCE



TRAFFIC SIGNAL									
ELECTRICA	L SERV	<b>/ICE RE</b>	QUIREMEI	NTS					
	NO. OF	LED	%.	TOTAL					
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE					
SIGNAL (RED)	12	11	50	66.0					
(YELLOW)	12	20	5	12.0					
(GREEN)	12	12	45	64.8					
PERMISSIVE ARROW	8	10	10	8.0					
PED. SIGNAL	6	20	100	120.0					
CONTROLLER	1	100	100	100.0					
UPS	1	25	100	25.0					
VIDEO SYSTEM	-	150	100	-					
BLANK-OUT SIGN	-	25	5	-					
FLASHER	-	-	50	-					
STREET NAME SIGN	-	120	50	-					
			TOTAL =	395.8					
ENERGY COSTS TO:									
ILLINOIS DEPA 201 w center ct schaumburg, IL 603		r of tr	ANSPORT	ATION					
ENERGY SUPPLY: CO	ONTACT:	TERI BLEC	к						
	PHONE:	(847) 816-	5239						
CC	MPANY:	COMMONWE	ALTH EDISON						
ACCOUNT 1									
FILE NAME =		USER NAME	= pociechal						
pw://IL084EBIDINTEG.1111no1s.	gov:PWIDOT\[	)ocuments\IDOT	Offices\District 1	\Projects\D12					
		PLOT SCALE	= 40.0000 ′⁄ in.						

PLOT DATE = 4/27/2016

Default

#### **REMOVAL NOTES:**

DESIGNED - LP

CHECKED - IP

DATE - 04/29/2016

BROADData\Traffid\B124915-sht-ts-04.dor

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
Δ	EACH	5-SECTION	STONAL	HEAD

6	EACH	PEDESTRIAN SIGNAL HEAD
~	E t OU	DEDECTDIAN DUCU DUTION

PEDESTRIAN PUSH-BUTTON TRAFFIC SIGNAL BACKPLATE EACH EACH 6 8

REVISED

REVISED

REVISED

REVISED

#### SCHEDULE OF QUANTITIES

EX. INTERCONNECT-

EX. TRACER CABLE-

TO BECKWITH RD

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED. 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
PEDESTRIAN PUSH-BUTTON	EACH	6
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

STATE OF ILLINOIS

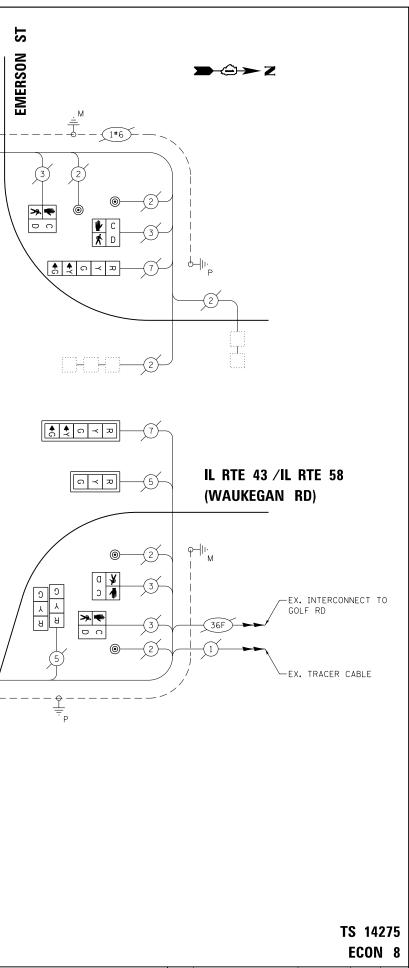
**DEPARTMENT OF TRANSPORTATION** 

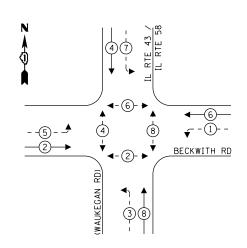
# (5) (2)(5) (3) R Y G ວ ດ **≱ ★** R Y G X R Y 24F ÷.... G in. -(5)-(3) -D-**o**-(] $\begin{pmatrix} 1\\ \\ \\ \\ 6 \end{pmatrix}$ H - œ ≻ ပ ¥ Ÿ R Y C 0 人 00 • Я (2)-@ 5 (5)(2)M

CABLE PLAN

URD			-	~1	v
(NOT	ΤO	SC	2AL	F)	_

					DESIGNATION DIAGRAM,	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					ON SEQUENCE	VAR.	2015-003TS	VARIOUS	59	42
IL KIE	43 / IL RIE	58	(WAUKEGAI	N RD)	AT EMERSON ST			CONTRACT	NO. 6	2A56
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



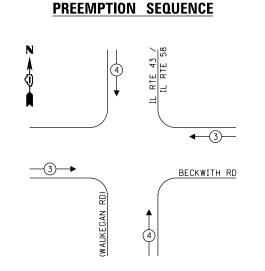


# LEGEND:

- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE

◄- (\*)- ► PEDESTRIAN PHASE

OVERLAP



**EXISTING EMERGENCY VEHICLE** 

TRAFFIC SIGNAL									
ELECTRICA	L SERV	ICE RE	QUIREME	NTS					
	NO. OF	LED	7.	TOTAL					
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE					
SIGNAL (RED)	12	11	50	66.0					
(YELLOW)	12	20	5	12.0					
(GREEN)	12	12	45	64.8					
PERMISSIVE ARROW	16	10	10	16.0					
PED. SIGNAL	8	20	100	160.0					
CONTROLLER	1	100	100	100.0					
UPS	1	25	100	25.0					
VIDEO SYSTEM	-	150	100	-					
BLANK-OUT SIGN	-	25	5	-					
FLASHER	-	-	50	-					
STREET NAME SIGN	-	120	50	-					
			TOTAL =	443.8					
ENERGY COSTS TO:									
ILLINOIS DEPA 201 w center ct schaumburg, il 603		r of tr	ANSPORT	ATION					
ENERGY SUPPLY: CO	ONTACT:	TERI BLEC	к						
	PHONE:	(847) 816-	5239						
C	MPANY:	COMMONWE	ALTH EDISON						
ACCOUNT I									
FILE NAME =		USER NAME	= pociechal						
pw://ILØ84EBIDINTEG.1111no1s.	gov:PWIDOT\(	)ocuments\IDOT	Offices\District	l\Projects\D124					
		PLOT SCALE	= 40.0000 ′⁄ in.						

PLOT DATE = 4/27/2016

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#### NOTES:

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DESIGNED - LP

CHECKED – IP

DATE - 04/29/2016

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PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4. PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6. PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8. PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

#### **REMOVAL NOTES:**

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	3-SECTION SIGNAL HEAD
8	EACH	5-SECTION SIGNAL HEAD
0	EACH	5-SECTION SIGNAL HEAD

0	EACH	PEDESTRIAN	SIGNAL	HEAD
4	EACH	PEDESTRIAN	PUSH-B	INTTO

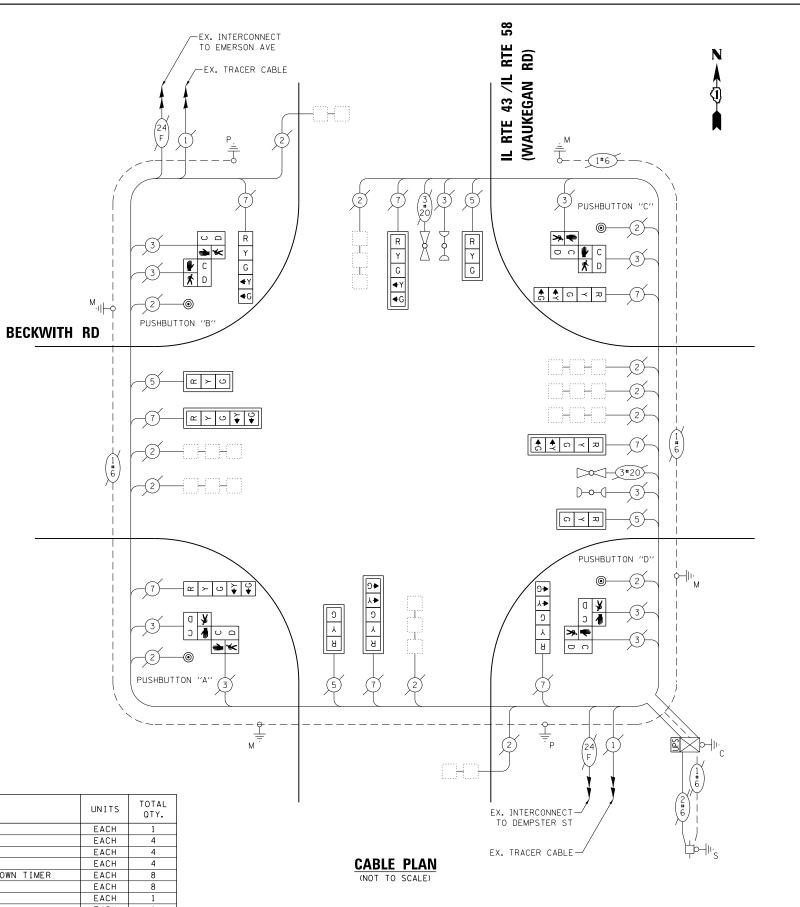
8 EACH TRAFFIC SIGNAL BACKPLATE

REVISED

REVISED

REVISED

REVISED



# SCHEDULE OF QUANTITIES

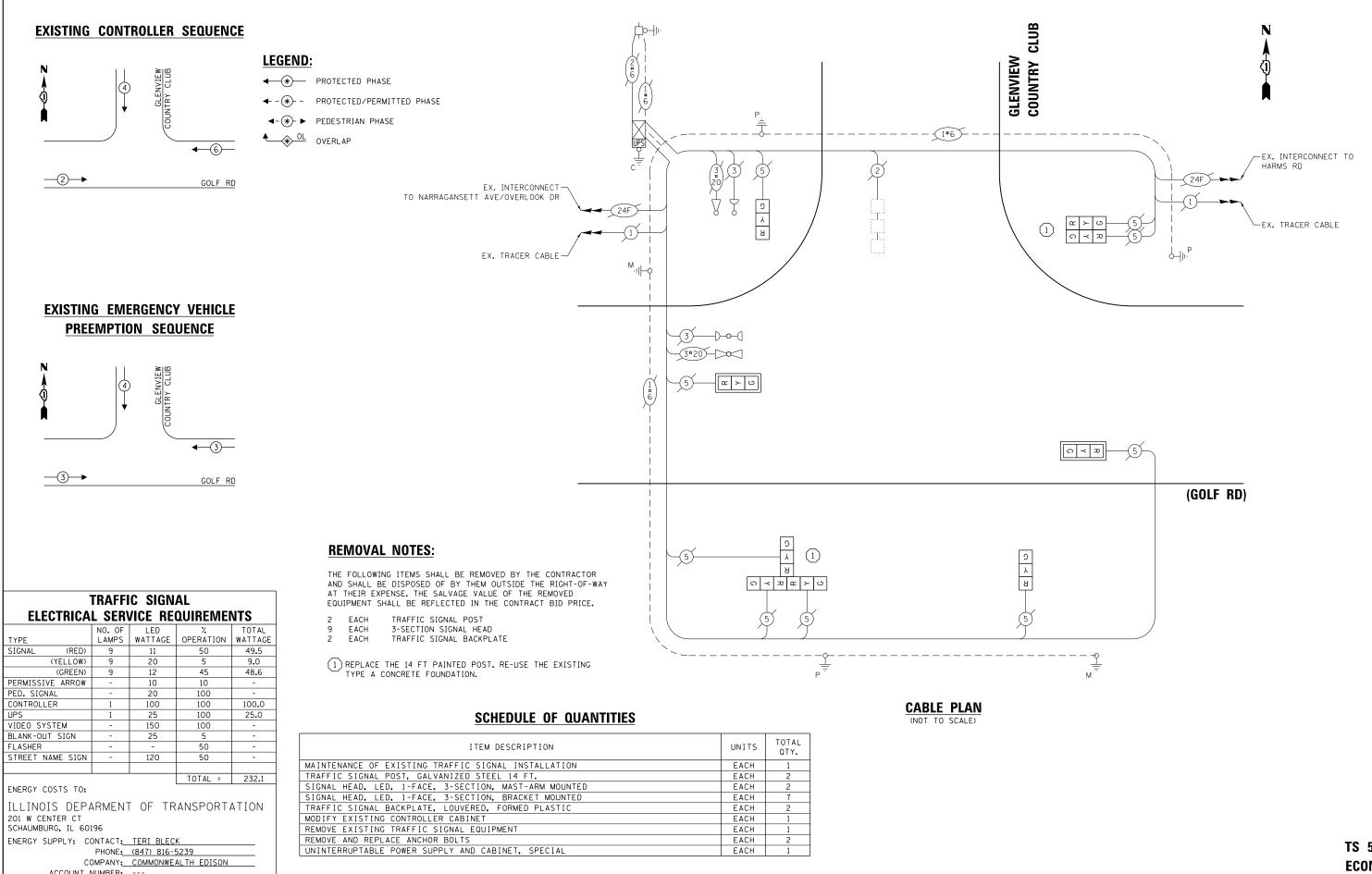
ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	4
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

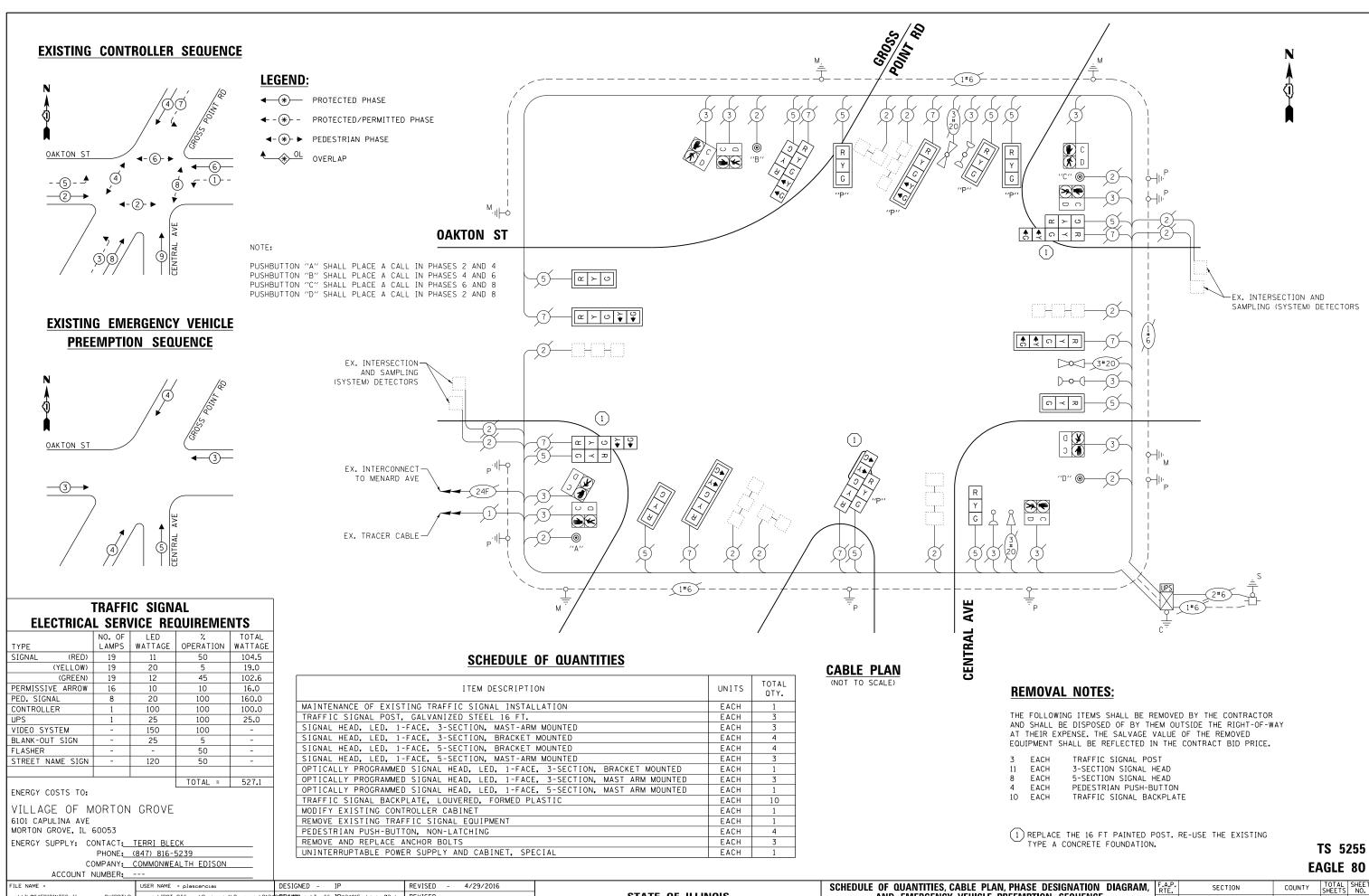
					DIAGRAM,	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						VAR.	2015-003TS	VARIOUS	59	43
IL KIE	43 /IL RIE	58 (WAUKE	GAN KI	D) AT BECKWITH	KD			CONTRACT	「 NO. 6	2A56
SCALE:	SHEET	OF SHEI	ETS STA	. TO ST.	Α.		ILLINOIS FED. AI	D PROJECT		
	AND IL RTE	AND EMERGENO IL RTE 43 /IL RTE	AND EMERGENCY VEHICLE IL RTE 43 /IL RTE 58 (WAUKE)	AND EMERGENCY VEHICLE PREEM Il rte 43 /Il rte 58 (Waukegan Ri	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE IL RTE 43 /IL RTE 58 (WAUKEGAN RD) AT BECKWITH	IL RTE 43 /IL RTE 58 (WAUKEGAN RD) AT BECKWITH RD	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE IL RTE 43 /IL RTE 58 (WAUKEGAN RD) AT BECKWITH RD	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE VAR. 2015-003TS	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE VAR. 2015-003TS VARIOUS IL RTE 43 /IL RTE 58 (WAUKEGAN RD) AT BECKWITH RD CONTRACT	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE IL RTE 43 /IL RTE 58 (WAUKEGAN RD) AT BECKWITH RD

### TS 14280 ECON 8



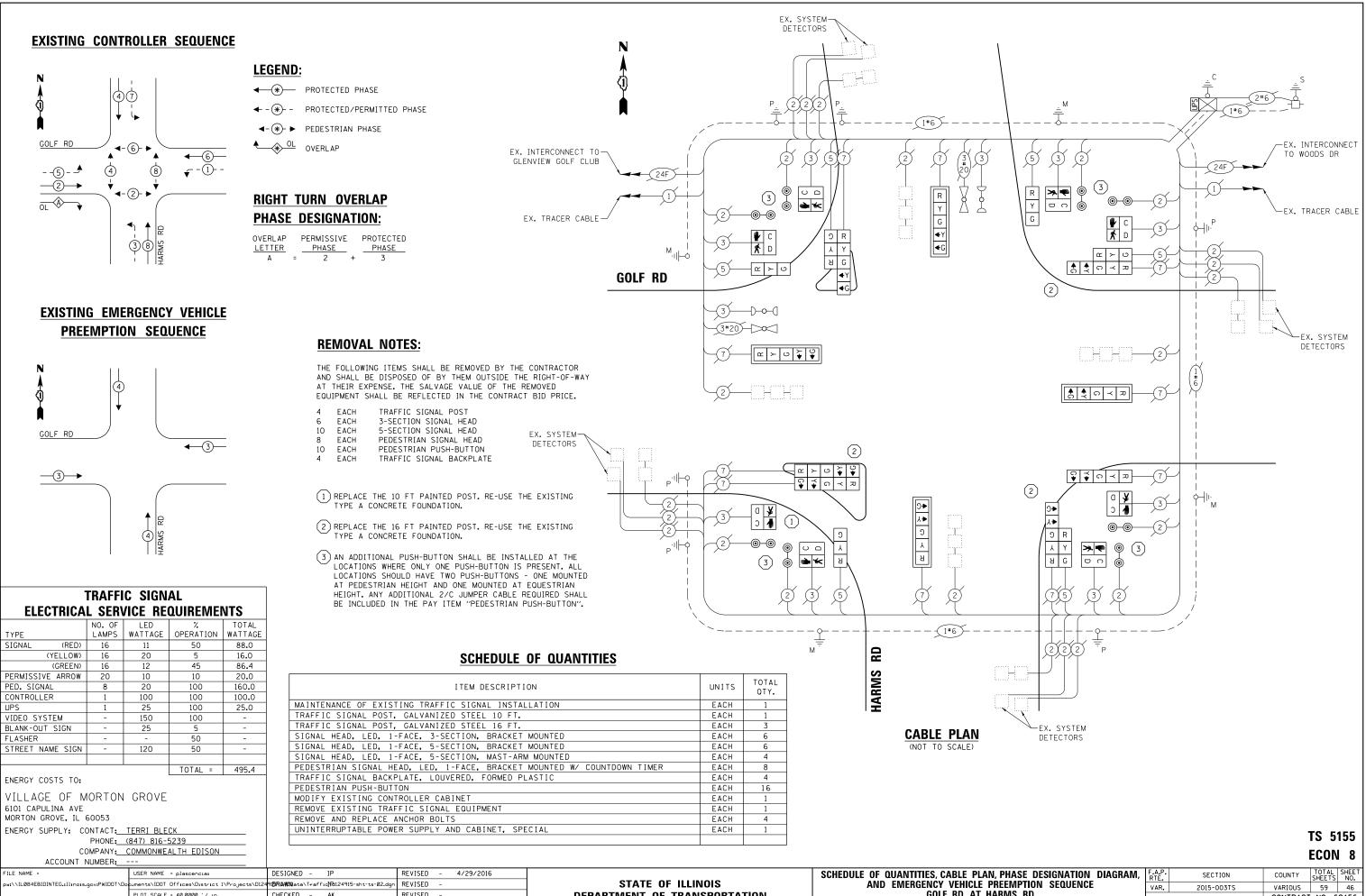
ACCOUNT NUMBER							
FILE NAME =	USER NAME = poclechal	DESIGNED - LP	REVISED -		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,	• SECTION	COUNTY TOTAL SHEET
pw://IL084EBIDINTEG.1111no1s.gov:PWIDOT/Do	ouments\IDOT Offices\District 1\Projects\D124	913RAAMINata\Traffid\8124915-sht-ts-04.dgr	REVISED -	STATE OF ILLINOIS	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE	2015-003TS	VARIOUS 59 44
	PLOT SCALE = 40.0000 '/ in.	CHECKED – IP	REVISED -	DEPARTMENT OF TRANSPORTATION	GOLF RD AT GLENVIEW COUNTRY CLUB		CONTRACT NO. 62456
Default	PLOT DATE = 4/27/2016	DATE - 04/29/2016	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AI	D PROJECT

TS	51	75
ECO	DN	8



_ L																
	ILE NAME =	USER NAME = plascenciai	DESIGNED -	IP	REVISED - 4/29/2016		SCHEDULE	OF QUANTITI	ES, CABL	E PLAN, PHASE DES	SIGNATION DIAGRAM,	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
	w:\\IL084EBIDINTEG.1111no1s.gov:PWIDOT\Do	uments\IDOT Offices\District 1\Projects\D124	9 <b>13R©AMD</b> 0ata∖⊺≁a	ffidN9124915-sht-ts-02.dgr	REVISED -	STATE OF ILLINOIS				ICLE PREEMPTION		VAR.	2015-003TS	VARIOUS	59	45
		PLOT SCALE = 40.0000 ' / in.	CHECKED -	AK	REVISED -	DEPARTMENT OF TRANSPORTATION		OAKTON ST	AT GROS	<u>ss point rd /cen</u>	ITRAL AVE			CONTRACT	T NO. 6	52A56
Ľ	efault	PLOT DATE = 4/28/2016	DATE -	4/15/2016	REVISED -		SCALE:	SHEET	OF	SHEETS STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

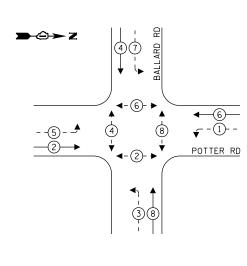
3	EACH	TRAFFIC SIGNAL POS	sт
	E A CUI	7 CECTION CIONAL	



ACCOUNT NUMBER:										
ILE NAME =	USER NAME = plascenciai	DESIGNED -	IP	REVISED -	4/29/2016		SCHEDULE OF (	QUANTITIE	S, CABL	E PLA
w:\\IL084EBIDINTEG.1111no1s.gov:PWIDOT\Do	cuments\IDOT Offices\District 1\Projects\D124	91 <b>13R/AM/IN</b> )ata∖⊺⊬afi	fic]#0124915-sht-ts-02.dgn	REVISED -		STATE OF ILLINOIS	AND	EMERGEN	NĊY VEH	IICLE
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	AK	REVISED -		DEPARTMENT OF TRANSPORTATION		(	GOLF RD	AT I
Default	PLOT DATE = 4/28/2016	DATE -	4/15/2016	REVISED -			SCALE:	SHEET	OF	SHEE

HARMS RD CONTRACT NO. 62A56 ETS STA. TO STA. ILLINOIS FED. AID PROJECT





# LEGEND:

← (\*) PROTECTED PHASE

- ← (\*)- PROTECTED/PERMITTED PHASE
- ◄-(\*)- ► PEDESTRIAN PHASE

♦ OL OVERLAP

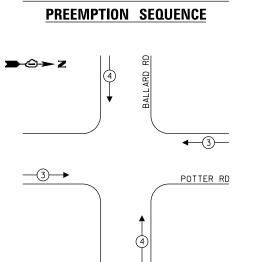
# NOTES:

PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4. PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6. PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8. PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

#### **REMOVAL NOTES:**

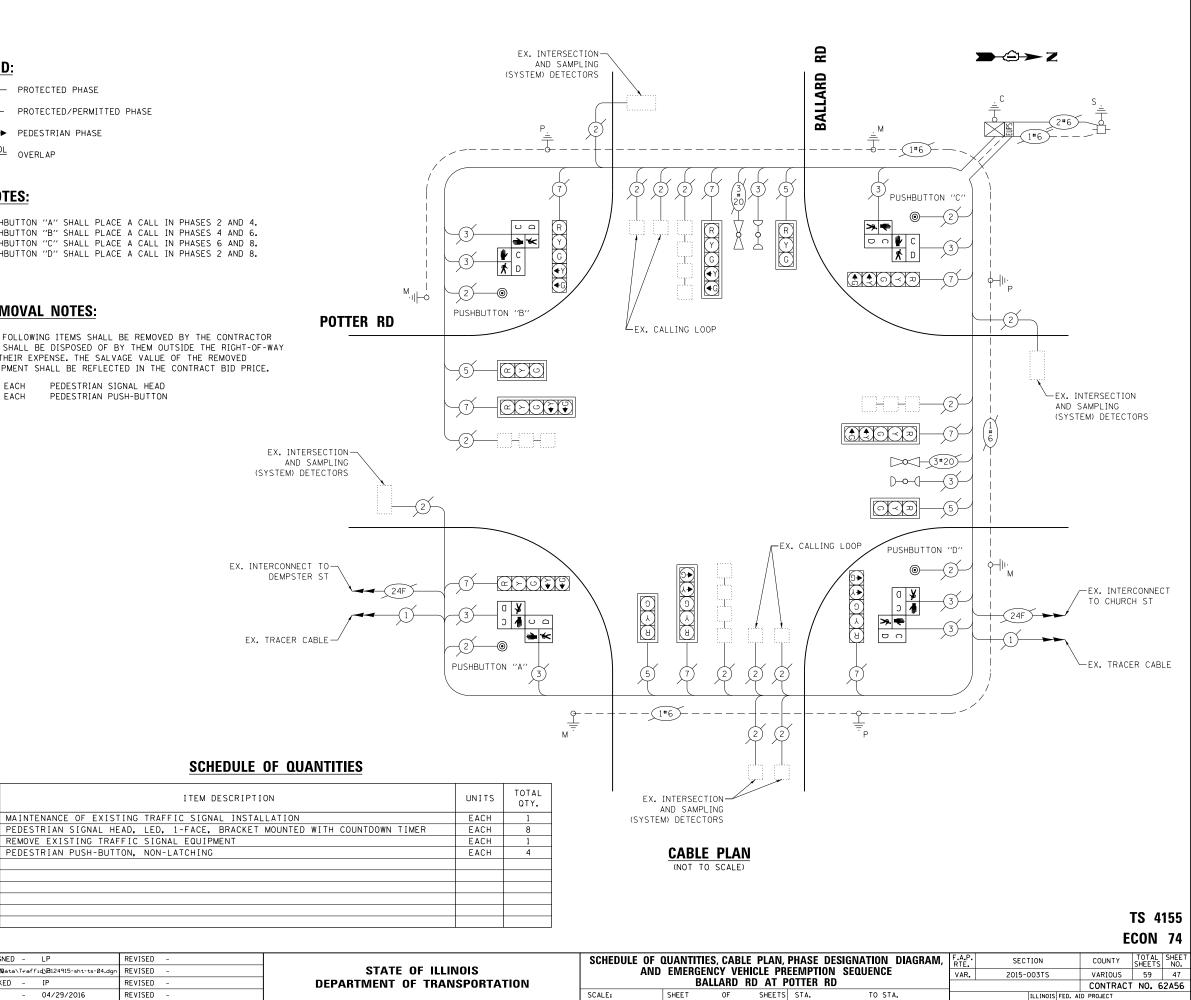
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

EACH PEDESTRIAN SIGNAL HEAD 8 PEDESTRIAN PUSH-BUTTON EACH 4

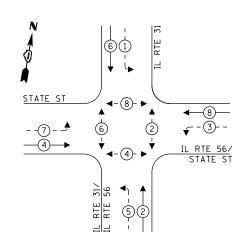


**EXISTING EMERGENCY VEHICLE** 

-	TRAFF	C SIGN	AL	
ELECTRICA	L SER	ICE RE	QUIREME	NTS
	NO. OF	LED	%.	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
			TOTAL =	443.8
ENERGY COSTS TO:				
ILLINOIS DEPA 201 w center ct schaumburg, il 603		r of tr	ANSPORT	ATION
ENERGY SUPPLY: CO	ONTACT:	TERI BLEC	к	
	PHONE:	(847) 816-	5239	
CC	MPANY:	COMMONWE	ALTH EDISON	
ACCOUNT 1				
FILE NAME =		USER NAME	= pociechal	
pw://ILØ84EBIDINTEG.illinois.	.gov:PWIDOT\C	ocuments\IDOT	Offices\District 1	NProjects\D124



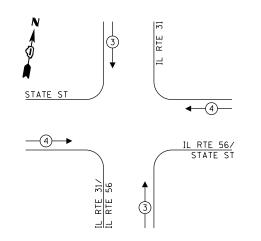
- L										
- [	FILE NAME =	USER NAME = pociechal	DESIGNED - LP		REVISED -		SCHEDULE OF (	DUANTITIES,	CABLE P	PLAN, PH
	pw:\\IL084EBIDINTEG.1111no1s.gov:PWIDOT\Do	cuments\IDOT_Offices\District_l\Projects\D124	91 <b>6R0400</b> ata\Traffid <u>\</u> 812491	915-sht-ts-04.dgn	REVISED -	STATE OF ILLINOIS	AND	EMERGENC		
		PLOT SCALE = 40.0000 ' / in.	CHECKED - IP		REVISED -	DEPARTMENT OF TRANSPORTATION		BALL	ARD RD	AT POT
	Default	PLOT DATE = 4/27/2016	DATE - 04/29.	9/2016	REVISED -		SCALE:	SHEET	OF S	SHEETS S



# LEGEND:

- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE
- ◄-(\*)- ► PEDESTRIAN PHASE
- ♦ OL OVERLAP





TRAFFIC SIGNAL													
ELECTRICA	L SERV	VICE RE	QUIREME	NTS									
	NO. OF	LED	7.	TOTAL									
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE									
SIGNAL (RED)	12	11	50	66.0									
(YELLOW)	12	20	5	12.0									
(GREEN)	12	12	45	64.8									
PERMISSIVE ARROW	16	10	10	16.0									
PED. SIGNAL	8	20	100	160.0									
CONTROLLER	2	100	100	200.0									
UPS	1	25	100	25.0									
VIDEO SYSTEM	-	150	100	-									
BLANK-OUT SIGN	-	25	5	-									
FLASHER	-	-	50	-									
STREET NAME SIGN	-	120	50	-									
			TOTAL =	543.8									
ENERGY COSTS TO:													
VILLAGE OF NORTH AURORA 26 E STATE ST NORTH AURORA, 60542													
ENERGY SUPPLY: C	ONTACT:	JOE STACH	10										
	PHONE:	(630) 424-	5704										
C	OMPANY	COMMONWE	ALTH EDISON										
ACCOUNT	NUMBER:												
FILE NAME =		USER NAME	= plascenciai										

#### **REMOVAL NOTES:**

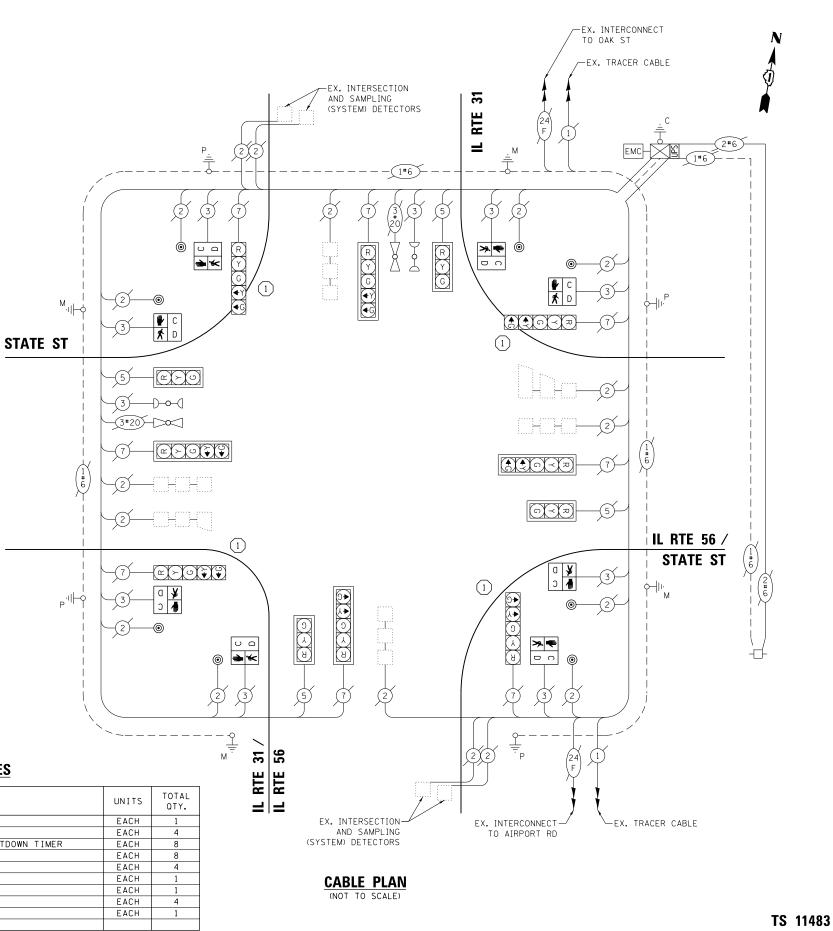
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 4 EACH
- TRAFFIC SIGNAL POST PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON 8 EACH
- 8 EACH

(1) REPLACE THE 16 FT PAINTED POST. RE-USE THE EXISTING TYPE A CONCRETE FOUNDATION.

#### SCHEDULE OF QUANTITIES

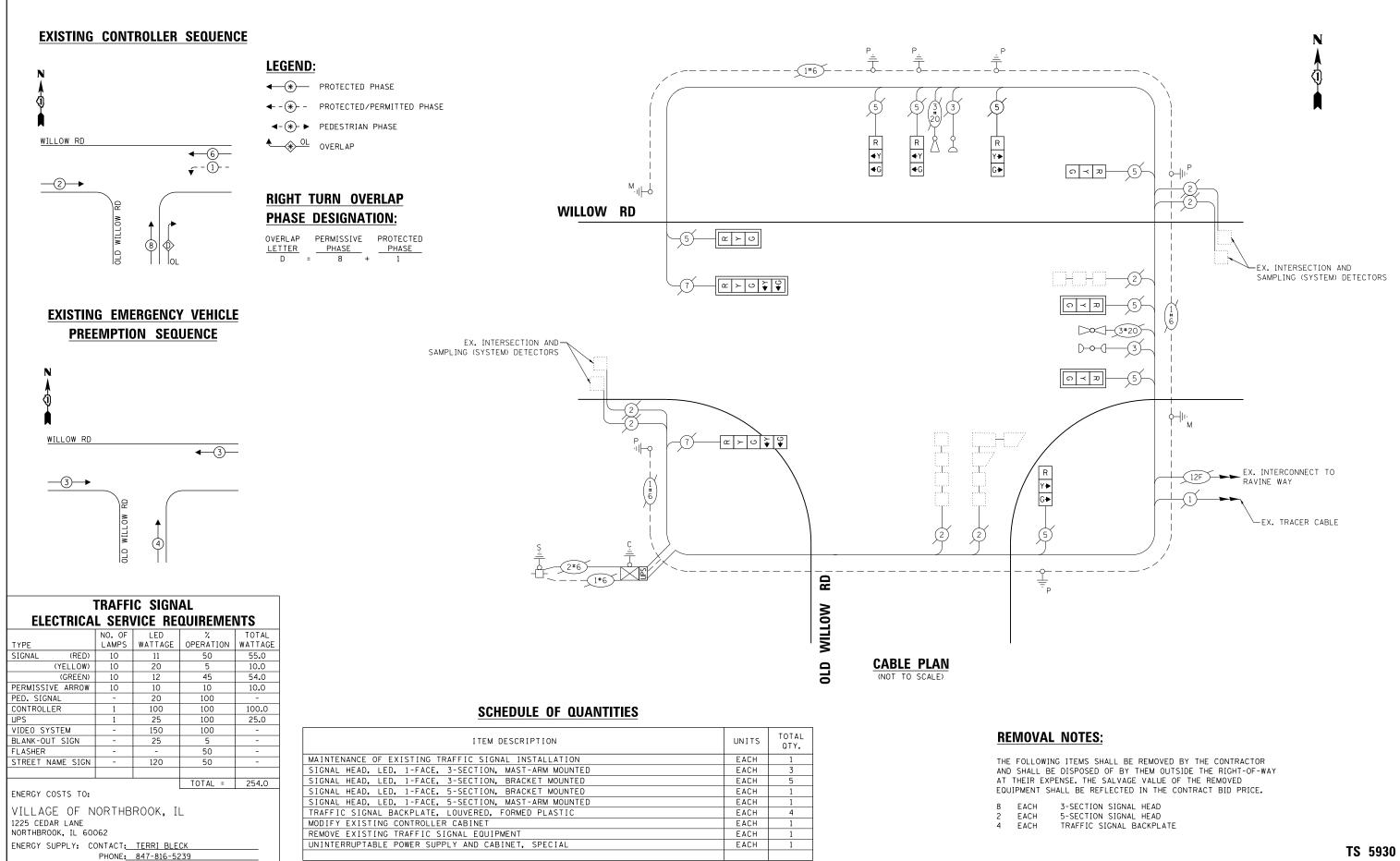
ITEM DESCRIPTION	UNITS	
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	
PEDESTRIAN PUSH-BUTTON	EACH	
RELOCATE EXISTING SIGNAL HEAD	EACH	
MODIFY EXISTING CONTROLLER CABINET	EACH	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	
REMOVE AND REPLACE ANCHOR BOLTS	EACH	_
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	





FILE NAME = DESIGNATION DIAGRAM, PASE DESIGN	
	COUNTY SHEETS NO
pwt/\lu84EBIDINTEG.illinois.gov;PWIDDT\Documents\IDDT Offices\District 1\Projects\District 1\Projects\Dist	5 VARIOUS 59 48
PLOT SCALE = 48.0000 / In. CHECKED - AK REVISED - AK REVISED - DEPARTMENT OF TRANSPORTATION IL RTE 31 /IL RTE 56 AT IL RTE 56 /STATE ST	CONTRACT NO. 62A56
Defoult         PLOT DATE = 4/28/2016         DATE         - 4/15/2016         REVISED         SCALE:         SCALE:         STAL         TO STAL	DIS FED. AID PROJECT

EAGLE 8P	
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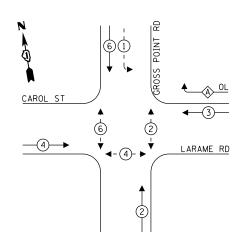


	ACCOUNT NUMBER														EL		1
Γ	FILE NAME =	USER NAME = plascencia:	DESIGNED - SS	RI	EVISED - 04/29/2016							DESIGNATION DIAGRAM,	F.A.P. RTF.	SECTION	COUNTY	TOTAL SHE SHEETS NO	ΞŢ.
	pw:\\IL084EBIDINTEG.1111no15.gov:PWIDOT\Do	cuments\IDOT Offices\District 1\Projects\D124	9 <b>13R0440N</b> ata\T+affic <b>SS</b> 12	24915-sht-ts-03.dgn R	EVISED -	STATE OF ILLINOIS	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE						VAR.	2015-003TS	VARIOUS	59 49	-
		PLOT SCALE = 40.0000 ' / in.	CHECKED – AK	RI	EVISED -	DEPARTMENT OF TRANSPORTATION										NO. 6245	6
	Default	PLOT DATE = 4/29/2016	DATE - 04/	27/2016 RI	EVISED -		SCALE:	ALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT						

COMPANY: COMMONWEALTH EDISON

КСН	3-SECTION	SIGNAL	HEAD

#### TS 5930 **ECON 83**



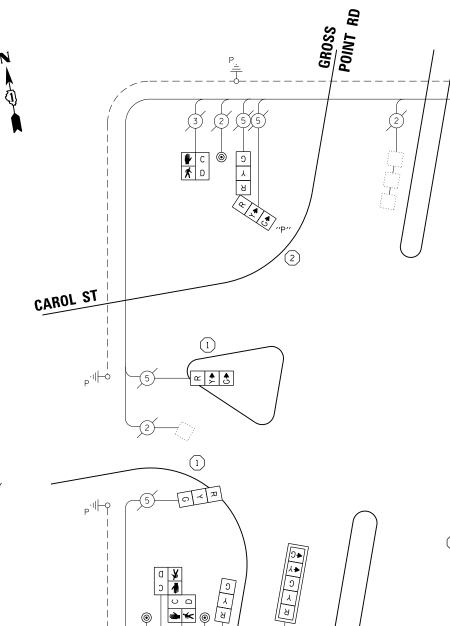
#### LEGEND:

- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE
- ◄- (\*)- ► PEDESTRIAN PHASE

♦ OL OVERLAP

### **RIGHT TURN OVERLAP** PHASE DESIGNATION:

OVERLAP PERMISSIVE PROTECTED  $\frac{\text{LETTER}}{\text{A}} = \frac{\text{PHASE}}{3} + \frac{\text{PHASE}}{1}$ 



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(7)

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#### **REMOVAL NOTES:**

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

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

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

(2) REPLACE THE 16 FT PAINTED POST. RE-USE THE EXISTING TYPE A CONCRETE FOUNDATION.

REVISED -

REVISED

REVISED

REVISED

CHECKED – AK

DATE - 4/27/2016

04/29/2016

					TYPE A CONCRETE
ELECTRICA	TRAFFI L SER\	2 REPLACE THE 16 F TYPE A CONCRETE			
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE	
SIGNAL (RED)	14	11	50	77.0	
(YELLOW)	14	20	5	14.0	
(GREEN)	14	12	45	75.6	
PERMISSIVE ARROW	4	10	10	4.0	
PED. SIGNAL	6	20	100	160.0	
CONTROLLER	1	100	100	120.0	MAINTENANCE OF EXI
UPS	1	25	100	25.0	TRAFFIC SIGNAL POS
VIDEO SYSTEM	-	150	100	-	TRAFFIC SIGNAL POS
BLANK-OUT SIGN	-	25	5	-	SIGNAL HEAD, LED,
FLASHER	-	-	50	-	SIGNAL HEAD, LED,
STREET NAME SIGN	-	120	50	-	SIGNAL HEAD, LED,
					SIGNAL HEAD, LED,
			TOTAL =	475.6	OPTICALLY PROGRAMM
ENERGY COSTS TO:					PEDESTRIAN SIGNAL
VILLAGE OF S	KOKIE				TRAFFIC SIGNAL BAC
5127 OAKTON STREE					MODIFY EXISTING CC
SKOKIE, IL 60077	1				REMOVE EXISTING TH
· ·			CK		PEDESTRIAN PUSH-BL
ENERGY SUPPLY: C					REMOVE AND REPLACE
		847-816-52	<u>239</u> ALTH EDISON		UNINTERRUPTABLE PC
ACCOUNT			ALIN EDISUN		
ACCOUNT			- 1		DESIGNED - SS
I	0.0007-0		= plascenciai		
pw:\\IL084EBIUINTEG.Illinois	.gov:PWIDUT\D	locuments\100T	Uttices\District	INProjects\D124	913RGAWINJata\Traffic\$9124915-sht-ts-03.dgn

Default

PLOT SCALE = 40.0000 '/ in.

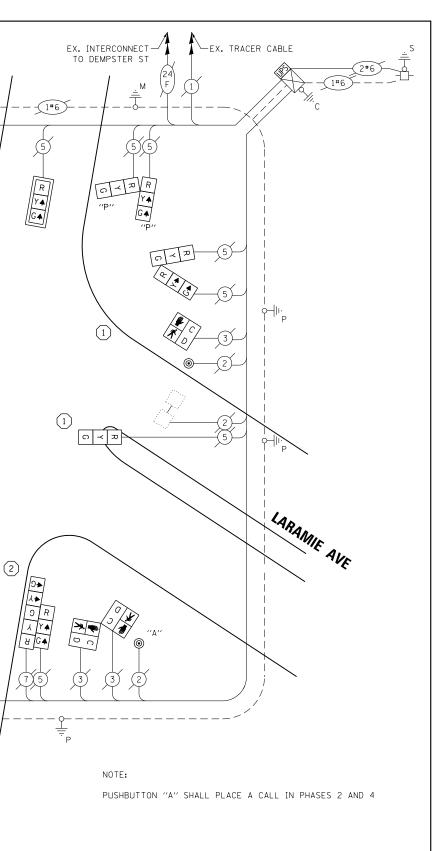
PLOT DATE = 4/29/2016

SCHEDULE OF QUANTITIES	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	4
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	8
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	4
REMOVE AND REPLACE ANCHOR BOLTS	EACH	6
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

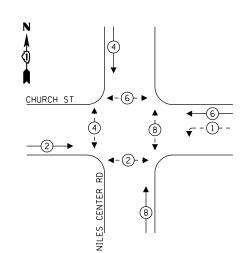
CABLE PLAN (NOT TO SCALE)

1#6

		SCHEDULE		UANTITIE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STATE OF ILLINOIS AND PHASE DESIGNATION DIA DEPARTMENT OF TRANSPORTATION GROSS POINT RD AT CAROL ST /LA			NGRAM NRAMIE AVE	VAR. 2015-00513 VAR	VARIOUS	59 N <b>O. 6</b>	50 2A56				
	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A			



# TS 5250 ECON 17



### LEGEND:

- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE
- ◄- (\*)- ► PEDESTRIAN PHASE
- ♦ <u>OL</u> OVERLAP

# -(1#6] (2)(3) (5)(5)∪ \_ **⇒** ≮ () The states M<sub>,I</sub>|⊢¢ **CHURCH ST** -<u>~</u>≻∪`¥`¥ $\overline{7}$ -EX. CALLING LOOPS רטילט 고 (<u>e</u>/<u></u> ₽'I⊨¢ 0 υo ≫₹ all' ⇒ ≪ 00 $\odot$ (3) (2)(5) (5)(5) 1#6 ÷P

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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.

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

# SCHEDULE OF QUANTITIES

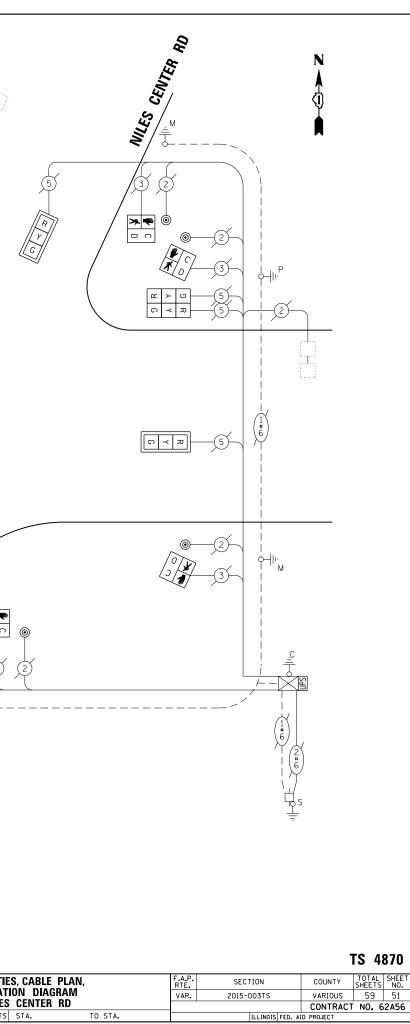
ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4
PEDESTRIAN PUSH-BUTTON	EACH	8
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
MODIFTY EXISTING CONTROLLER CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

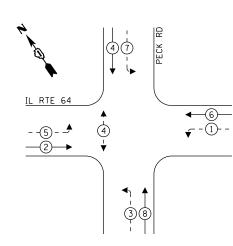
CAB	LE	PLAN
(NOT	ΤO	SCALE)

(2)

- L										
Γ	FILE NAME =	USER NAME = plascenciai	DESIGNED - SS	REVISED - 04/29/2016			SCHEDULE	OF QU	JANTITIE	ŝ,
	pw://ILØ84EBIDINTEG.111:nois.gov:PWIDOT/Do	cuments\IDOT_Offices\District_I\Projects\D124	913R0400)ata\T+affic\$8124915-sht-ts-03.dgn	REVISED -	STATE OF ILLINOIS		AND PH	ASE DE	SIGNAT	101
		PLOT SCALE = 40.0000 '/ in.	CHECKED - AK	REVISED -	DEPARTMENT OF TRANSPORTATION		CHURCH	I ST A	T NILES	; C
L	Default	PLOT DATE = 4/29/2016	DATE - 04/27/2016	REVISED -		SCALE:	SHEET	OF	SHEETS	S

TRAFFIC SIGNAL							
ELECTRICA	L SER\	<b>/ICE RE</b>	QUIREME	NTS			
	NO. OF	LED	7.	TOTAL			
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE			
SIGNAL (RED)	12	11	50	66.0			
(YELLOW)	12	20	5	12.0			
(GREEN)	12	12	45	64.8			
PERMISSIVE ARROW	4	10	10	4			
PED. SIGNAL	8	20	100	160			
CONTROLLER	1	100	100	100.0			
UPS	1	25	100	25.0			
VIDEO SYSTEM	-	150	100	-			
BLANK-OUT SIGN	-	25	5	-			
FLASHER	-	-	50	-			
STREET NAME SIGN	-	120	50	-			
			TOTAL =	431.8			
ENERGY COSTS TO:							
VILLAGE OF SKOKIE 5127 OAKTON STREET							
SKOKIE, IL 60077							
ENERGY SUPPLY: CONTACT: TERRI BLECK							
PHONE: 847-816-5239							
			ALTH EDISON				
ACCOUNT I	NUMBER:						
FILE NAME =		USER NAME	= plascenciai				





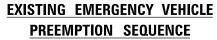
# LEGEND:

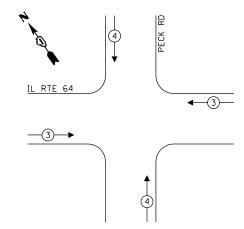
← (\*) PROTECTED PHASE

← - (\*)- - PROTECTED/PERMITTED PHASE

◄- (\*)- ► PEDESTRIAN PHASE

♦ <u>OL</u> OVERLAP





TRAFFIC SIGNAL							
ELECTRICA	L SERV	/ICE RE	QUIREMEI	NTS			
	NO. OF	LED	7.	TOTAL			
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE			
SIGNAL (RED)	12	11	50	66.0			
(YELLOW)	12	20	5	12.0			
(GREEN)	12	12	45	64.8			
PERMISSIVE ARROW	16	10	10	16.0			
PED. SIGNAL	2	20	100	40.0			
CONTROLLER	1	100	100	100.0			
UPS	1	25	100	25.0			
VIDEO SYSTEM	-	150	100	-			
BLANK-OUT SIGN	-	25	5	-			
FLASHER	-	-	50	-			
STREET NAME SIGN	-	120	50	-			
			TOTAL =	323.8			
ENERGY COSTS TO:							
CITY OF ST.	CHARL F	ς					
2 E MAIN ST		_0					
ST. CHARLES, IL 60	174						
ENERGY SUPPLY: CONTACT: JOE STACHO							
PHONE: (630) 424-5704							
COMPANY: COMMONWEALTH EDISON							
ACCOUNT NUMBER:							
FILE NAME =		USER NAME	= plascenciai				
				NProjects\D12			
ow:\\IL084EBIDINTEG.1111no1s.gov:PWIDOT\Documents\IDOT_Offices\District_1\Projects\D124							

#### **REMOVAL NOTES:**

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

ANY ADDITIONAL WOODEN PLATFORM FOR THE UPS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL".

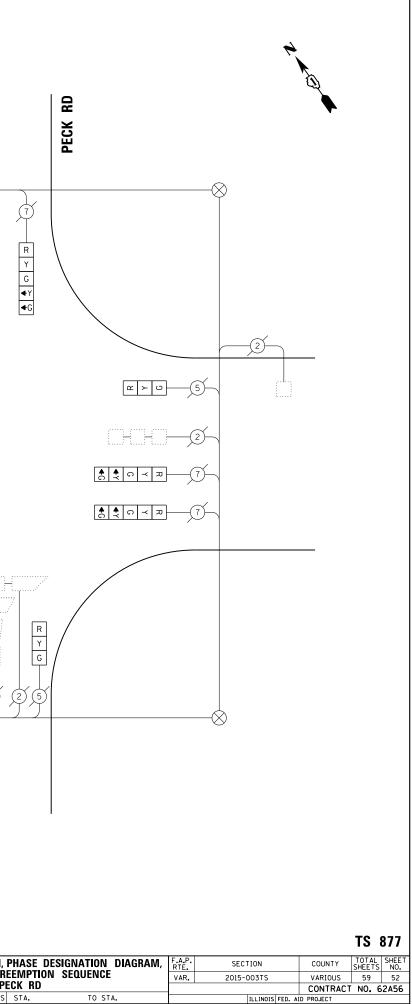
#### SCHEDULE OF QUANTITIES

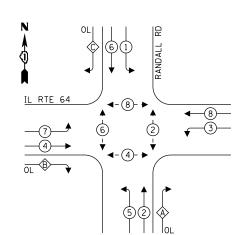
ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SIGNAL HEAD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

IL RTE 64		
	$7 \qquad \qquad$	
(T)		
2		
-[](2*6)		<u> </u>

CABLE PLAN (NOT TO SCALE)

FILE NAME =	USER NAME = plascenciai	DESIGNED -	IP	REVISED -	4/29/2016		SCHEDULE OF (	QUANTITIES	S, CABLE F	PLAN, P
pw://ILØ84EBIDINTEG.1111no15.gov:PWIDOT/Do	cuments\IDOT_Offices\District_l\Projects\D124	91 <b>5R0AM0</b> 9ata\Troff	1c <b>N9</b> 124915-sht-ts-02.dgn	REVISED -		STATE OF ILLINOIS	AND	EMERGEN	<b>CY VEHICI</b>	LE PRE
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	AK	REVISED -		DEPARTMENT OF TRANSPORTATION		I	L RTE 64	AT PE
Default	PLOT DATE = 4/28/2016	DATE -	4/15/2016	REVISED -			SCALE:	SHEET	OF S	SHEETS





### LEGEND:

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- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE
- ◄- (\*)- ► PEDESTRIAN PHASE

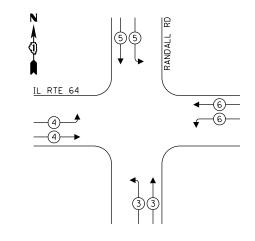
♦ <u>OL</u> OVERLAP

# **RIGHT TURN OVERLAP**

PHASE	<b>DESIGNATION:</b>
1 11/101	DEGIGIT/TITIOTT.

VERLAP <u>ETTER</u>		PERMISSIVE PHASE		PROTECTED
А	=	2	+	3
В	=	4	+	5
С	=	6	+	7





			A 1						
	IKAFF	C SIGN	AL						
ELECTRIC	AL SERV	<b>VICE RE</b>	QUIREMEI	NTS					
	NO. OF	LED	7.	TOTAL					
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE					
SIGNAL (RED	22	11	50	121.0					
(YELLOW	22	20	5	22.0					
(GREEN	22	12	45	118.8					
PERMISSIVE ARROW	12	10	10	12.0					
PED. SIGNAL	8	20	100	160.0					
CONTROLLER	1	100	100	100.0					
UPS	1	25	100	25.0					
VIDEO SYSTEM	1	150	100	150					
BLANK-OUT SIGN	-	25	5	-					
FLASHER	-	-	50	-					
STREET NAME SIGN	4 –	120	50	-					
			TOTAL =	708.8					
ENERGY COSTS TO	1								
CITY OF ST.		- c							
	CHARLI								
2 E MAIN ST ST. CHARLES, IL 6	0174								
ENERGY SUPPLY:									
		(630) 424-							
			ALTH EDISON						
	NUMBER:								
FILE NAME =			= plascenciai						
pw:\\ILØ84EBIDINTEG.1llino	is.gov:PWIDOT\(	-		l\Projects\D124					
	PLOT SCALE = 40.0000 ' / in.								

#### **REMOVAL NOTES:**

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

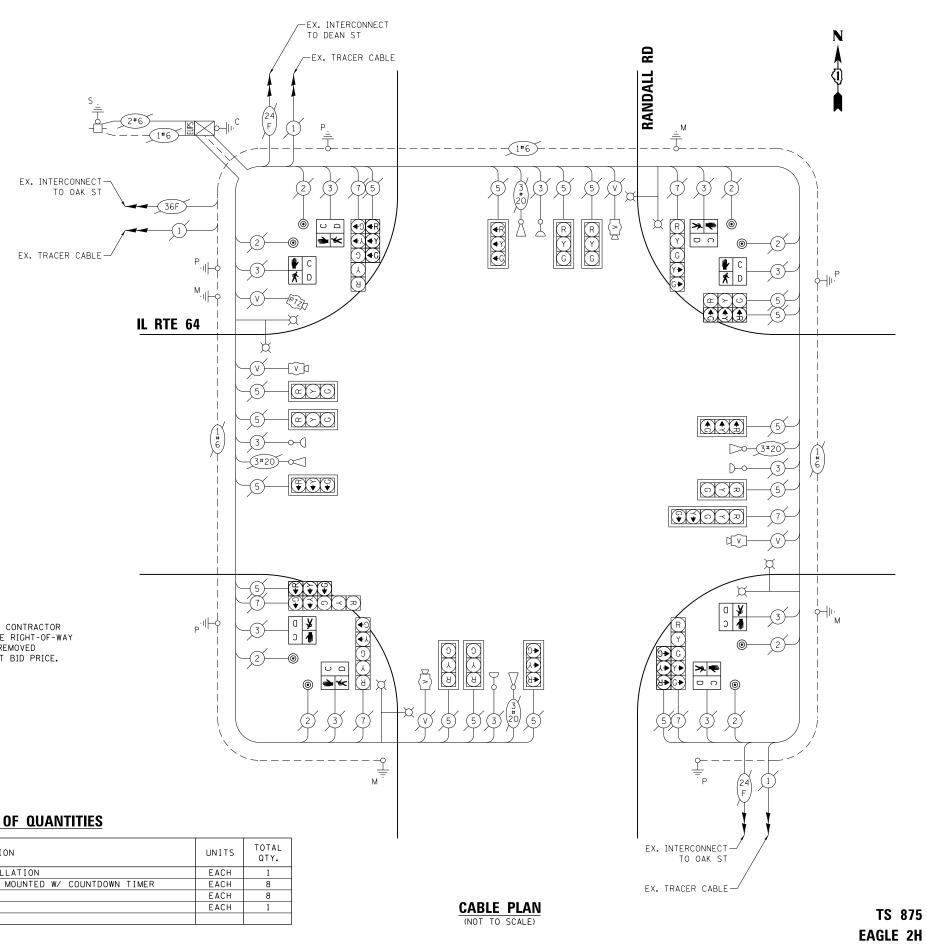
PEDESTRIAN SIGNAL HEAD PEDESTRIAN PUSH-BUTTON EACH EACH 8 8



#### SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	8
PEDESTRIAN PUSH-BUTTON	EACH	8
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

ACCOUNT NUMBER:														
FILE NAME =	USER NAME = plascenciai	DESIGNED – IP	REVISED - 4/29/2016	STATE OF ILLINOIS	SCHEDULE					SIGNATION DIAGRAM,	F.A.P.	SECTION	COUNTY	TOTAL SHEET
p#t\ll084EBIDINTEG.illinois.gov;PWIDDT\Documents\IDDT_Offices\District 1\Projects\D12478 <b>RAMD</b> ata\Traffic\R124915-sht-ts-02.dgn REVISED		.dgn REVISED -	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE					VAR.	2015-003TS	VARIOUS	59 53			
	PLOT SCALE = 40.0000 '/ in.	CHECKED – AK	REVISED -	DEPARTMENT OF TRANSPORTATION			IL RTE 64	4 AT RAM	NDALL RD					T NO. 62A56
Default	PLOT DATE = 4/28/2016	DATE - 4/15/2016	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT	



### **REMOVAL NOTES:**

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.

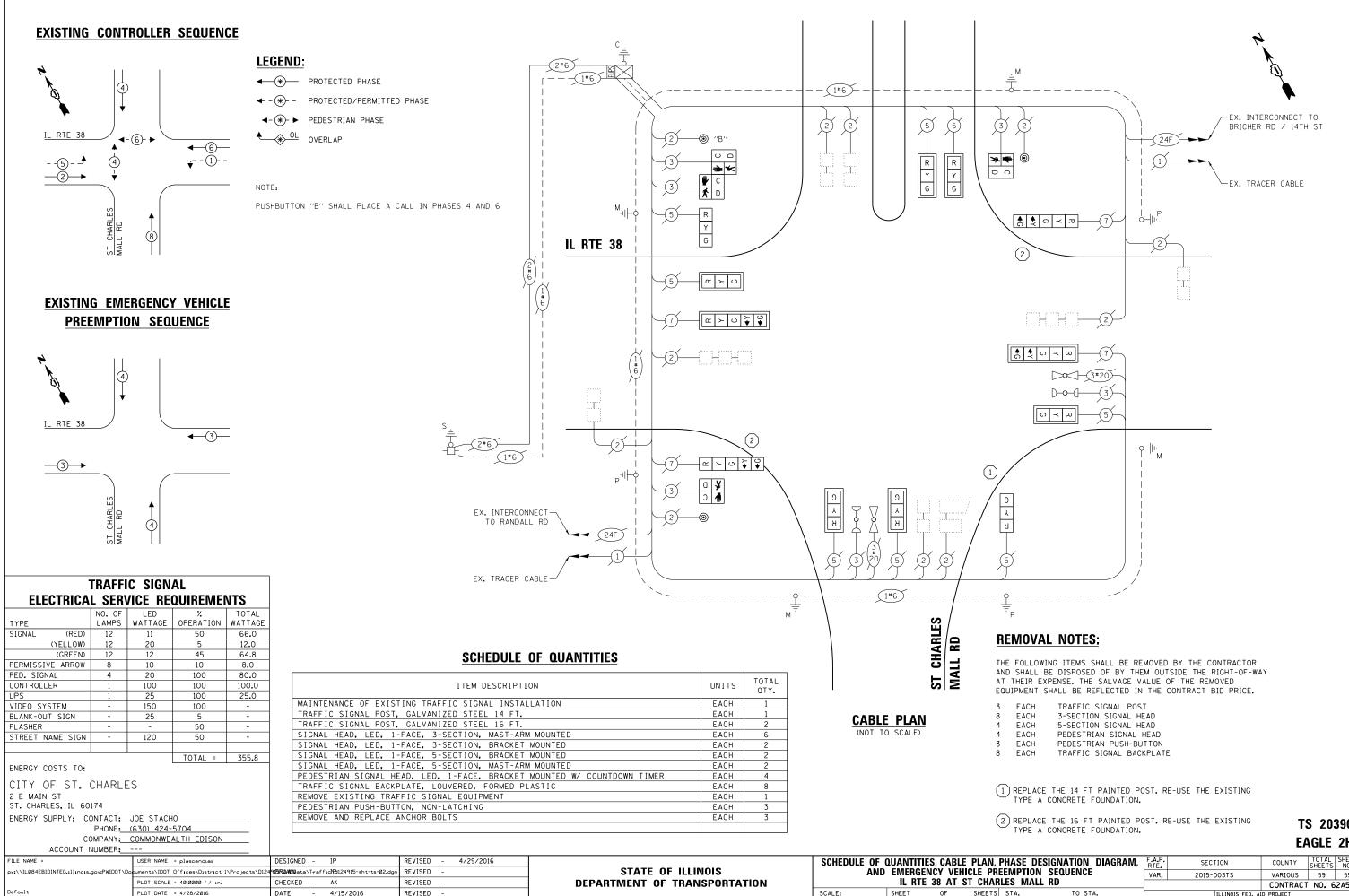
1 EACH 1-SECTION SIGNAL HEAD (YELLOW)

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1
SIGNAL HEAD, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

			A 1	
ELECTRICA		IC SIGN		NTS
	NO. OF		7.	TOTAL
TYPE	LAMPS	WATTAGE		WATTAGE
SIGNAL (RED)	-	11	50	-
(YELLOW)	1	20	5	1.0
(GREEN)	-	12	45	-
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	10	100	10.0
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
			TOTAL =	11.0
ENERGY COSTS TO:				
CITY OF ST. 2 e main st st. charles, il 60		ËS		
ENERGY SUPPLY: C	ONTACT:	JOE STACH	10	
		(630) 424-		
C			ALTH EDISON	
ACCOUNT I				
FILE NAME =		USER NAME	= plascenciai	
pw:\\IL084EBIDINTEG.1111no15	.gov:PWIDOT\0	Documents\IDOT	Offices\District	l\Projects\D12
		PLOT SCALE	= 40.0000 ′ / in.	
Default		PLOT DATE	= 4/28/2016	

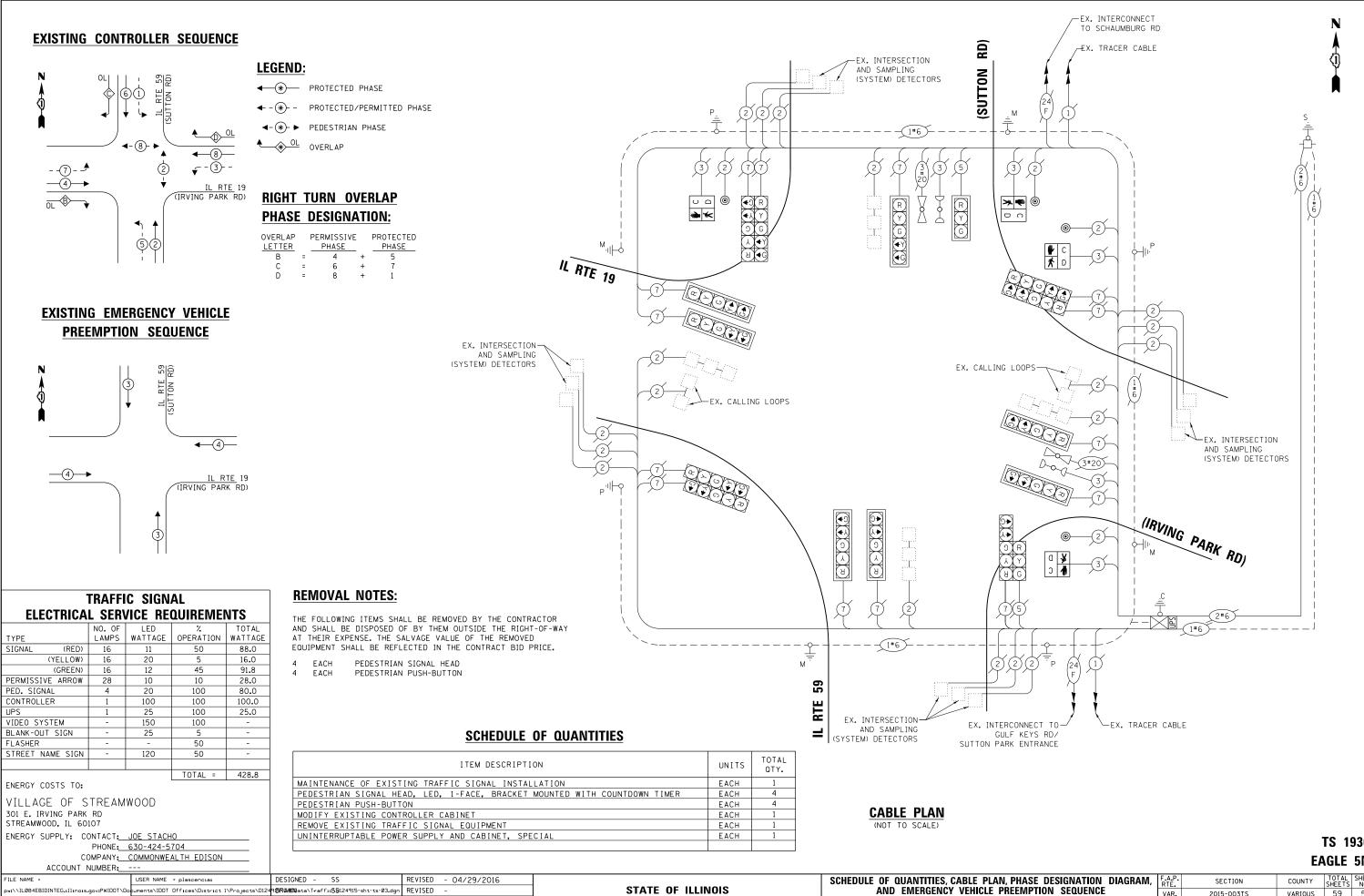
ACCOUNT	NUMBER:											
FILE NAME =	USER NAME = plascenciai	DESIGNED - IP	REVISED - 4/29/2016		SCHEDULE OF QUANTITIES			F.A.P.	SECTION	COUNTY TOTAL SHE		
pw:\\IL084EBIDINTEG.illinoi:	://IL084EBIDINTEG.1111no1s.gov:PWIDOT/Documents/IDOT Offices/District 1/Projects/D1249 <b>GR&amp;#UN&lt;/b&gt;ata/Traffic[19124915-sht-ts-02.d&lt;/td&gt;&lt;td&gt;n REVISED -&lt;/td&gt;&lt;td&gt;STATE OF ILLINOIS&lt;/td&gt;&lt;td colspan=5&gt;IL RTE 38 EASTBOUND AT ST CHARLES ILLINOIS YOUTH CENTER&lt;/td&gt;&lt;td&gt;VAR.&lt;/td&gt;&lt;td&gt;2015-003TS&lt;/td&gt;&lt;td&gt;VARIOUS 59 5&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;td&gt;PLOT SCALE = 40.0000 ' / in.&lt;/td&gt;&lt;td&gt;CHECKED – AK&lt;/td&gt;&lt;td&gt;REVISED -&lt;/td&gt;&lt;td&gt;DEPARTMENT OF TRANSPORTATION&lt;/td&gt;&lt;td&gt;IL NIL 30&lt;/td&gt;&lt;td colspan=2&gt;IL NIE 30 EASTBOUND AT ST CHANLES ILLINUIS TOUTH CENTER&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;CONTRACT NO. 624&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;Default&lt;/th&gt;&lt;td&gt;PLOT DATE = 4/28/2016&lt;/td&gt;&lt;td&gt;DATE - 4/15/2016&lt;/td&gt;&lt;td&gt;REVISED -&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;SCALE:&lt;/td&gt;&lt;td&gt;SHEET&lt;/td&gt;&lt;td&gt;OF&lt;/td&gt;&lt;td&gt;SHEETS STA.&lt;/td&gt;&lt;td&gt;TO STA.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;ILLINOIS FED.&lt;/td&gt;&lt;td&gt;AID PROJECT&lt;/td&gt;&lt;/tr&gt;&lt;/tbody&gt;&lt;/table&gt;</b>											

# FL 857



#### **TS 20390** EAGLE 2H

	N, PHASE DESIGNATION DIAGRAM, PREEMPTION SEQUENCE ARLES MALL RD			SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
				2015-003TS	VARIOUS	59	55	
AK					CONTRACT	NO. 6	2A56	
TS	STA.	TO STA.	ILLINOIS FED. AID PROJECT					



ow:\\IL084EBIDINTEG.1111no1s.gov:PWIDOT\D uments\IDOT\_Offices\District\_1\Projects\D124 916R04000ata\Traffic%8124915-sht-ts-03.do PLOT SCALE = 40.0000 '/ in. CHECKED - AK REVISED PLOT DATE = 4/29/2016 REVISED DATE - 04/27/2016

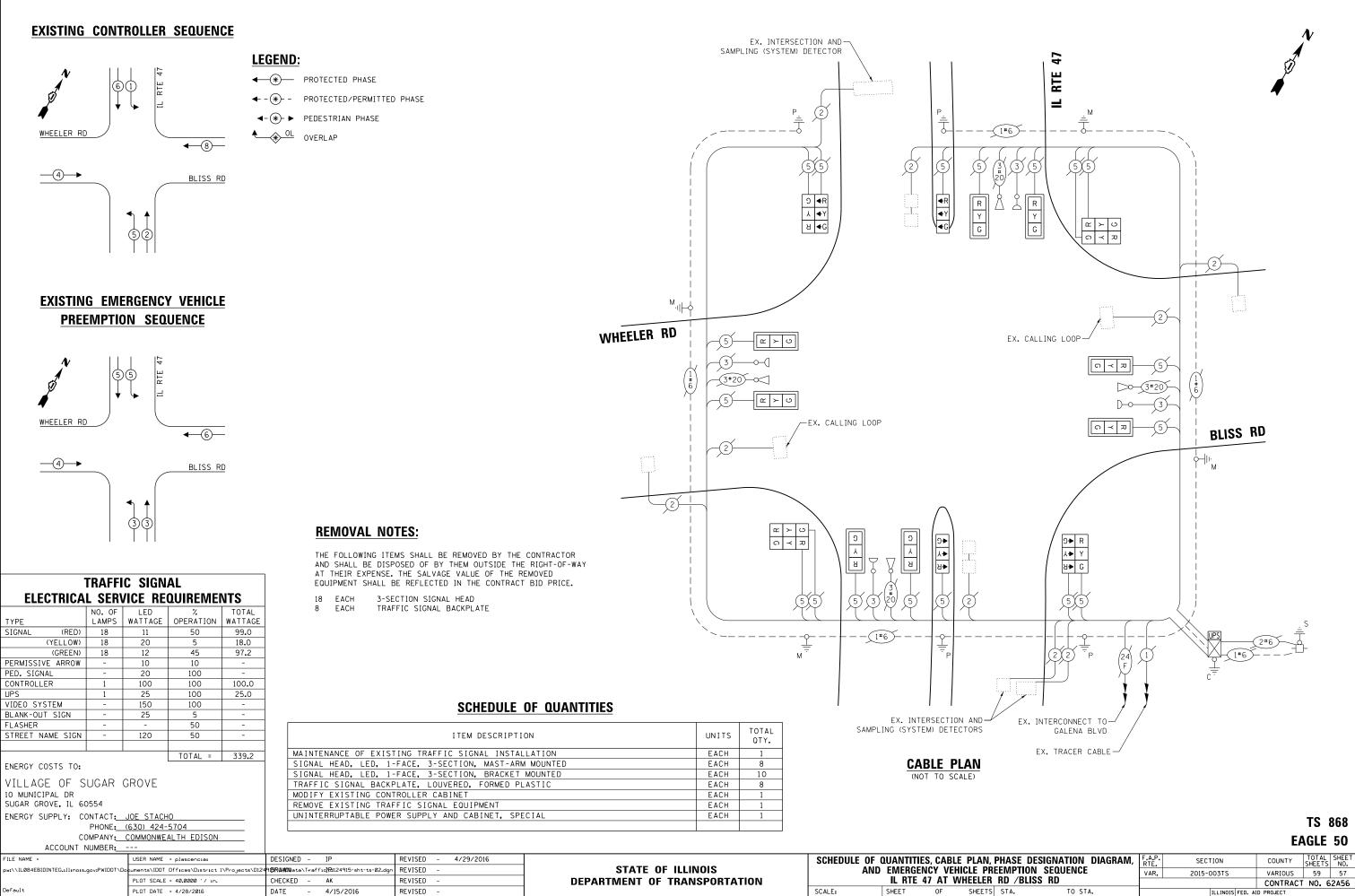
Default

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

IL RTE 59 (SUTTON RD) AT IL R SCALE: SHEET OF SHEET

# TS 1930 EAGLE 5N

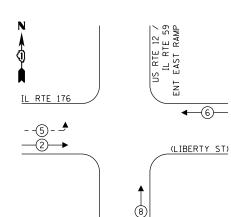
I, PHASE DESIGNATION DIAGRAM,			F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	REEMPTION SEQUENCE			2015-003TS	VARIOUS	59	56	
KI	RTE 19 (IRVING PARK RD)			CONTRACT NO. 62A56				
TS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT			



ENERGY COSTS TO:

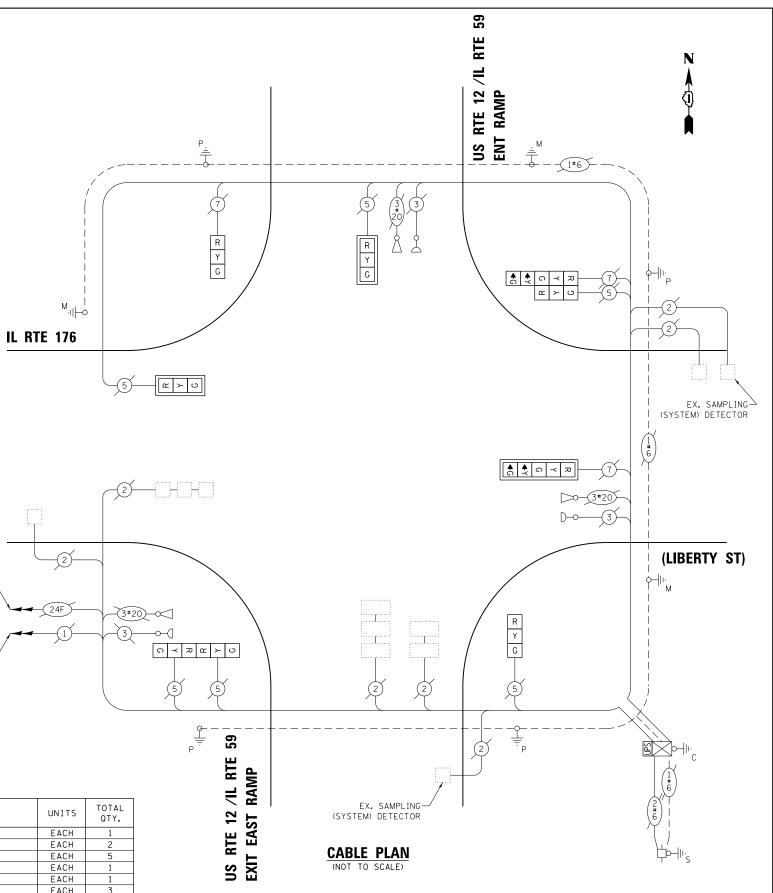
VILLAGE OF SUGAR GROVE 10 MUNICIPAL DR SUGAR GROVE, IL 60554 ENERGY SUPPLY: CONTACT: JOE STACHO

- L														
- [	FILE NAME =	USER NAME = plascenciai	DESIGNED -	IP	REVISED -	4/29/2016		SCHEDULE OF QUANTITIES, CABLE PLAN, I						
	pw:\\IL084EBIDINTEG.111:no1s.gov:PWIDOT\Do	cuments\IDOT Offices\District 1\Projects\D124	91 <b>57R0AWD</b> NJata\T+aft	f1c <b>)%</b> 124915-sht-ts-02.dgn	REVISED -		STATE OF ILLINOIS	AN'	D EMERGEN					
		PLOT SCALE = 40.0000 '/ in.	CHECKED -	АК	REVISED -		DEPARTMENT OF TRANSPORTATION	i i	IL RTE 47	' AT W	HEELER RD			
	Default	PLOT DATE = 4/28/2016	DATE -	4/15/2016	REVISED -			SCALE:	SHEET	OF	SHEETS STA			

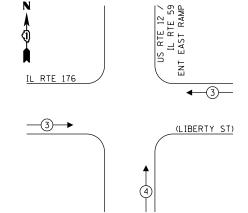


# LEGEND:

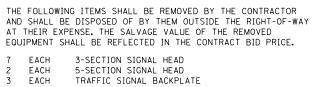
- ← (\*) PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE
- ◄-(\*)- ► PEDESTRIAN PHASE
- ♦ <u>OL</u> OVERLAP

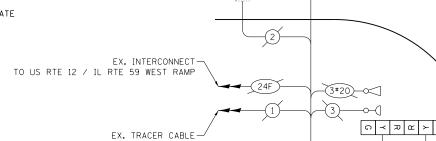






#### **REMOVAL NOTES:**





SCHEDULE OF QUANTITIES
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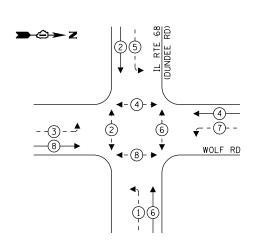
ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MASI-ARM MOUNTED TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC		3
MODIFY EXISTING CONTROLLER CABINET		1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC ODIFY EXISTING CONTROLLER CABINET		1

SCHEDULE OF QUANTITIES, CABLE PLA

ELECTRICA		C SIGN /ICE RE		NTS							
TYPE	NO. OF	LED WATTAGE	% OPERATION	TOTAL WATTAGE							
SIGNAL (RED)	9	11	50	49.5							
(YELLOW)	9	20	5	9.0							
(GREEN) 9 12 45 48.6											
PERMISSIVE ARROW	4	10	10	4.0							
PED. SIGNAL	-	20	100	-							
CONTROLLER	1	100	100	100.0							
UPS	1	25	100	25.0							
VIDEO SYSTEM	-	150	100	-							
BLANK-OUT SIGN	-	25	5	-							
FLASHER	-	-	50	-							
STREET NAME SIGN	-	120	50	-							
ENERGY COSTS TO:			TOTAL =	236.1							
ILLINOIS DEPARMENT OF TRANSPORTATION 201 W CENTER CT SCHAUMBURG, IL 60196											
ENERGY SUPPLY: C	ONTACT:	TERI BLEC	к								
	PHONE:	(847) 816-	5239								
C	OMPANY:	COMMONWE	ALTH EDISON								
ACCOUNT											
FILE NAME =		USER NAME	= pociechal								
AND N RAPERIDINTED ALL PROPAGA			Offices) Distance								

FI	ILE NAME =	USER NAME = pociechal	DESIGNED - LP	REVISED -							NATION DIAGRAM,	F.A.P.	SECTION	COUNTY	TOTAL SHEET
p۳	«://ILØ84EBIDINTEG.111:no1s.gov:PWIDOT/Do	uments\IDOT_Offices\District_1\Projects\D124	913R0AMData\Traffid_8124915-sht-ts-04.dgr	REVISED -	STATE OF ILLINOIS					EEMPTION SE		VAR.	2015-003TS	VARIOUS	59 58
		PLOT SCALE = 40.0000 ' / in.	CHECKED – IP	REVISED -	DEPARTMENT OF TRANSPORTATION	US RTE 12	2 <u>/IL RTE 5</u>	59 EAST	RAMP A	AT IL RTE 176	6 (LIBERTY ST)			CONTRAC	T NO. 62A56
De	əfault	PLOT DATE = 4/27/2016	DATE - 04/29/2016	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT	

# TS 6515 **CENTRACS** / EAGLE 1B



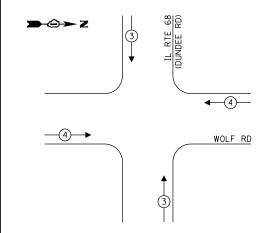
# LEGEND:

- <------ → PROTECTED PHASE
- ← (\*)- PROTECTED/PERMITTED PHASE

◄- (\*)- ► PEDESTRIAN PHASE

♦ <u>OL</u> OVERLAP





TRAFFIC SIGNAL												
ELECTRICA	L SER\	<b>ICE RE</b>	QUIREMEI	NTS								
ELECTRICAL SERVICE REQUIREMENTS           TYPE         NO. OF         LED         %         TOTAL           TYPE         LAMPS         WATTAGE         OPERATION         WATTAGE												
TYPE				WATTAGE								
SIGNAL (RED)	(YELLOW) 16 20 5 1											
(GREEN) 16 12 45 86.4												
PERMISSIVE ARROW	10	16.0										
PED. SIGNAL	8	20	100	160.0								
CONTROLLER 1 100 100 100												
UPS	1	25	100	25.0								
VIDEO SYSTEM	-	150	100	-								
BLANK-OUT SIGN	-	25	5	-								
FLASHER	-	-	50	-								
STREET NAME SIGN	-	120	50	-								
			TOTAL =	491.4								
ENERGY COSTS TO:												
ILLINOIS DEPA	ARMENI	UFIR	ANSPURIA									
201 W CENTER CT												
SCHAUMBURG, IL 601												
ENERGY SUPPLY: CO	ONTACT:	TERI BLEC	к									
	PHONE:	(847) 816-	5239									
CC	)MPANY:	COMMONWE	ALTH EDISON									
ACCOUNT N												
FILE NAME =		USER NAME	= pociechal									
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		PLOT SCALE	= 40.0000 ′ / in.									

#### **REMOVAL NOTES:**

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
8	EACH	5-SECTION SIGNAL HEAD
8	EACH	PEDESTRIAN SIGNAL HEAD

0	EACH	PEDESIRIAN	SIGNAL HEAD
8	EACH	PEDESTRIAN	PUSH-BUTTON

8 EACH TRAFFIC SIGNAL BACKPLATE

# SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	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, 3-SECTION, BRACKET 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 WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
PEDESTRIAN PUSH-BUTTON	EACH	8
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

			INTERCONNE Boehmer av		ATE PKWY	
			P <u>÷</u> −−−−−−	ABLE		2
WOLF R	, , , , , , , , , , , , , , , , , , ,					
		5 3 3 3 2 - 2 - 2 - 2 - - - - - - - - - - - - -				
S				- \		
Z#6		TOTAL OTY. 1 4 4 4 4 8 8 8 8	M		CABLE	PI sc.

FIL	E NAME =	USER NAME = poclechal	DESIGNED - LP	REVISED -		SCHEDULE OF (	DUANTITIE	ES, CABLI	e plan,	PHASE D	ESIGNATION DIAGRAM,	F.A.P.	SECTION	COUNTY	TOTAL	SHEET
pw:`	:\\ILØ84EBIDINTEG.1111no1s.gov:PWIDOT\Do	uments\IDOT_Offices\District_I\Projects\D124	9 <b>13R0441N</b> ata\T+affid_02124915-sht-ts-04.dgn	REVISED -	STATE OF ILLINOIS	AND					N SEQUENCE	VAR.	2015-003TS	VARIOUS	59	59
		PLOT SCALE = 40.0000 ' / in.	CHECKED – IP	REVISED -	DEPARTMENT OF TRANSPORTATION		IL RTE	68 (DUN	NDEE RD	) AT WOL	LF RD			CONTRACT	T NO. 6	2A56
Def	fault	PLOT DATE = 4/27/2016	DATE - 04/29/2016	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		

