

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-003TS	VARIOUS	59	1
		ILLINOIS	CONTRACT NO. 62A56	

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

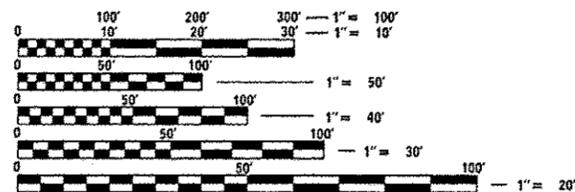
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FOR INDEX OF SHEETS, SEE SHEET NO. 2



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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED March 25 2016
Jyle Jackson REGIONAL ENGINEER
May 16 2016
Maureen M. Addis, P.E. ENGINEER OF DESIGN AND ENVIRONMENT
Maureen M. Addis 2
 DIRECTOR OF PROGRAM DEVELOPMENT

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 OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

SHT. NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
4-12	LOCATION MAPS
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16-22	DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05)

SHT. NO.	IS. NO.	INTERSECTION NAME
23	21940	IL RTE 120 (BELVIDERE RD) AT GILMER RD
	11705	IL RTE 60 AT I-94 E RAMP
	11706	IL RTE 60 AT I-94 W RAMP
	11700	IL RTE 60 AT RIVERWOODS BLVD / BRADLEY RD
	20530	IL RTE 60 AT SAUNDERS RD / FIELD CT
	6511	US RTE 12 / IL RTE 59 AT VOLO VILLAGE RD
	7741	IL RTE 176 AT NEWPORT CT
	75111	IL RTE 7 (159TH ST) AT I-355 WEST RAMP
	75112	IL RTE 7 (159TH ST) AT I-355 EAST RAMP
	12155	IL RTE 68 (DUNDEE RD) AT IL RTE 53 WEST RAMPS
	12160	IL RTE 68 (DUNDEE RD) AT IL RTE 53 EAST RAMPS
	502	US RTE 20 (LAKE ST) AT NAPERVILLE RD
	13145	IL RTE 53 (ROHLWING RD) AT NERGE RD
	6077	US RTE 20 (LAKE ST) AT NORTH AVE/EAST BARTLETT RD
	5448	OAKTON ST AT RIVER DR
	10595	IL RTE 43 (WAUKEGAN RD) AT KRAFT FOOD/THREE LAKE DRIVE
	6516	US RTE 12 / IL RTE 59 WEST RAMP AT IL RTE 176
	1535	US RTE 41 (SKOKIE BLVD) AT HIBBARD RD
	14205	5TH AVE AT CHICAGO AVE
	14215	MADISON ST AT 17TH AVE
	6840	IL RTE 59 AT IL RTE 132 (GRAND AVE)
24	1480	US RTE 34 (OGDEN AVE) AT WOLF RD
	7257	US RTE 14 AT COG CIRCLE
	11525	US RTE 14 AT CRYSTAL POINT MALL
	7250	US RTE 14 AT MAIN ST
	7255	US RTE 14 AT PINGREE RD
	11530	US RTE 14 AT TECKLER BLVD
	22556	IL RTE 171 (COLLINS ST) AT OHIO ST
	7519	IL RTE 171 (STATE ST) AT 10TH ST
	7518	IL RTE 171 (STATE ST) AT 2ND ST
	7516	IL RTE 171 (STATE ST) AT DIVISION ST
	7550	IL RTE 50 (CICERO AVE) AT GOVERNORS HIGHWAY
	21801	IL RTE 53 (SCOTT ST) AT CLAY ST
	21800	IL RTE 53 (SCOTT ST) AT OHIO ST
	7526	IL RTE 7 (159TH ST) AT FARRELL RD
	7521	IL RTE 7 (9TH ST) AT 7TH ST
	7523	IL RTE 7 (9TH ST) AT HAMILTON AVE
	7517	IL RTE 7 (9TH ST) AT IL RTE 171 (STATE ST)
	7522	IL RTE 7 (9TH ST) AT MADISON ST
	7524	IL RTE 7 (9TH ST) AT READ ST / LOCH LN
	4295	IL RTE 7 (LARKIN AVE) AT IL RTE 7 (THEODORE ST)
	21780	US RTE 30 (CASS ST) AT EASTERN AVE
	22552	US RTE 30 (CASS ST) AT HENDERSON
	21803	US RTE 30 (CASS ST) AT IL RTE 53 (SCOTT ST)
	21782	US RTE 30 (JEFFERSON ST) AT EASTERN AVE
	7430	US RTE 30 (PLAINFIELD RD) AT CATON FARM / GAYLORD RD
	21828	US RTE 52 (MCDONOUGH AVE) AT US RTE 52 (RAYNOR AVE)
	10125	IL RTE 43 (HARLEM AVE) AT HARLEM - IRVING PLAZA
	11735	HICKS RD AT HELEN RD
	12005	HICKS RD AT SELLSTROM DR
	2860	IL RTE 58 (GOLF RD) AT RING RD
25	1011	123RD ST (MCCARTHY RD) AT WOLF RD
26	3840	55TH ST AT COUNTY LINE RD
27	8325	HIGHLAND AVE AT 15TH ST
28	FL830	IL RTE 47 AT IL RTE 173
29	15087	IL RTE 47 AT IRVING AVE / JUDD ST
30	7393	I-80 SOUTH RAMP AT BRIGGS ST
31	7388	NEW LENOX RD AT BRIGGS ST
32	7415	US RTE 30 (LINCOLN HWY) AT US RTE 45 (LAGRANGE RD)
33	7480	US RTE 45 (LAGRANGE RD) AT 191ST ST
34	7386	US RTE 52 AT MANHATTAN RD / FOXFORD DR
35	11270	US RTE 20 (LAKE ST) AT BARTLETT RD
36	1325	US RTE 20 (LAKE ST) AT OAK AVE
37	4640	IL RTE 31 (BATAVIA AVE) AT MAIN ST
38	FL170	IL RTE 31 AT MOOSEHEART ENTRANCE
39	13070	DES PLAINES RIVER RD AT PERRY ST
40	2005	IL RTE 21 (MILWAUKEE AVE) AT CENTRAL RD

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 SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

RLR NOTES

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

RLR CAMERA LOCATION:

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	RED SPEED, LLC. 400 EISENHOWER LANE LOMBARD, ILLINOIS 60148 (630) 317-5700
1480	US RTE 34 AT WOLF RD	VILLAGE OF WESTERN SPRINGS 740 HILLGROVE AVE WESTERN SPRINGS, IL 60558 (708) 246-1800	RED SPEED, LLC. 400 EISENHOWER LANE LOMBARD, ILLINOIS 60148 (630) 317-5700
1930	IL RTE 59 (NEW SUTTON RD) AT IL RTE 19 (IRVING PARK RD)	VILLAGE OF STREAMWOOD 301 E IRVING PARK RD STREAMWOOD, IL 60107 (630) 736-3800	GATSO USA, INC. 900 CUMMINGS CENTER BEVERLY, MA 01915 (978) 922-7294

GENERAL NOTES

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

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

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

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

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

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

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

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

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.

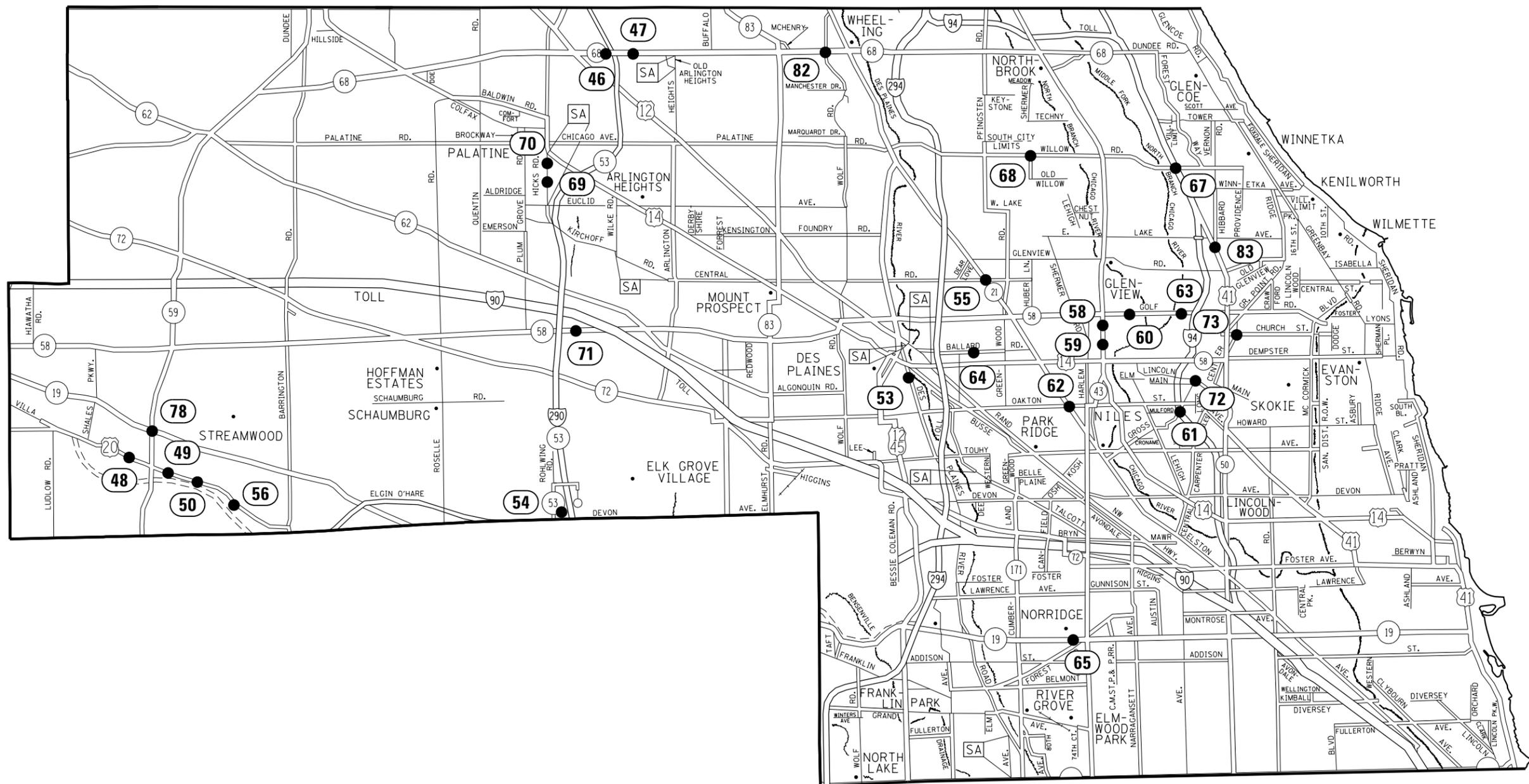
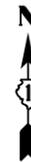
PARTIAL PAYMENT AS DESCRIBED IN ARTICLE 109.07(b) OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED FOR ITEMS INCLUDED IN THIS CONTRACT.

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.

FILE NAME -	USER NAME - pootachal	DESIGNED - LP / JP	REVISED - 04/29/2016	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - IP	REVISED -			2014-00BTS	VARIOUS	59	2	
Default	PLOT SCALE - 1/8" = 1'-0"	DATE - 03/25/2016	REVISED -			CONTRACT NO. 62A56		ILLINOIS FED. AID PROJECT		
	PLOT DATE - 4/29/2016					SCALE: NONE	SHEET OF SHEETS	STA. TO STA.		

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 I-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 I-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 (MCDONOUGH 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	COOK
48	502	US RTE 20 (LAKE ST) AT NAPERVILLE RD	BARTLETT	COOK
49	11270	US RTE 20 (LAKE ST) AT BARTLETT RD	BARTLETT	COOK
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	COOK
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

LOC. NO.	TS NO.	INTERSECTION NAME	MUNICIPALITY	COUNTY
61	5255	OAKTON ST AT GROSS POINT RD	MORTON GROVE	COOK
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	IL 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	COOK
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

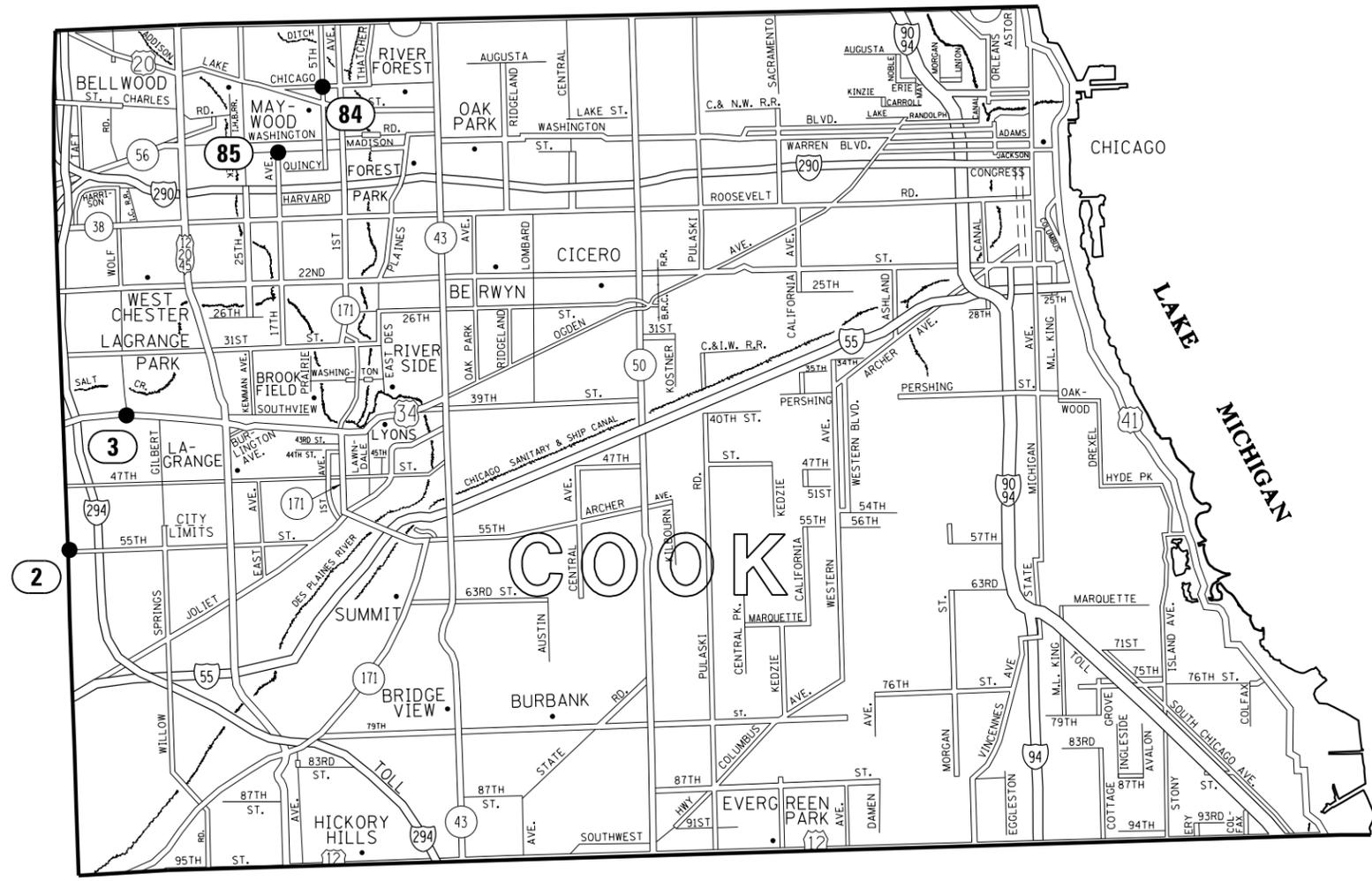
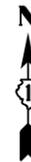


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP NORTH COOK COUNTY			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-003TS	VARIOUS	59	4
				CONTRACT NO. 62A56
ILLINOIS FED. AID PROJECT				



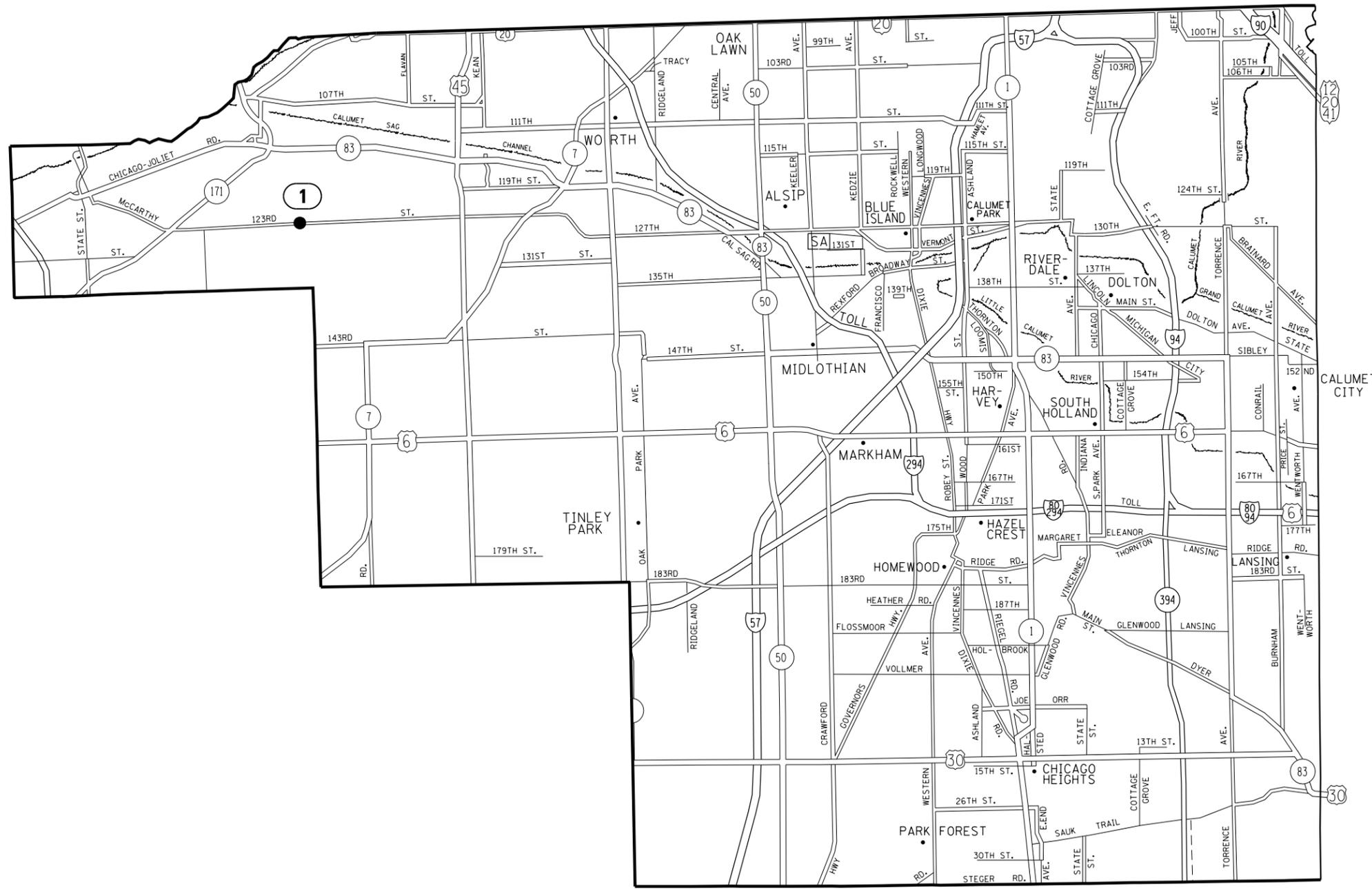
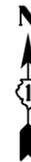
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	PLOT DATE = 4/28/2016	DATE - 03/25/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
CENTRAL COOK COUNTY**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-003TS	VARIOUS	59	5
			CONTRACT NO. 62A56	
ILLINOIS FED. AID PROJECT				



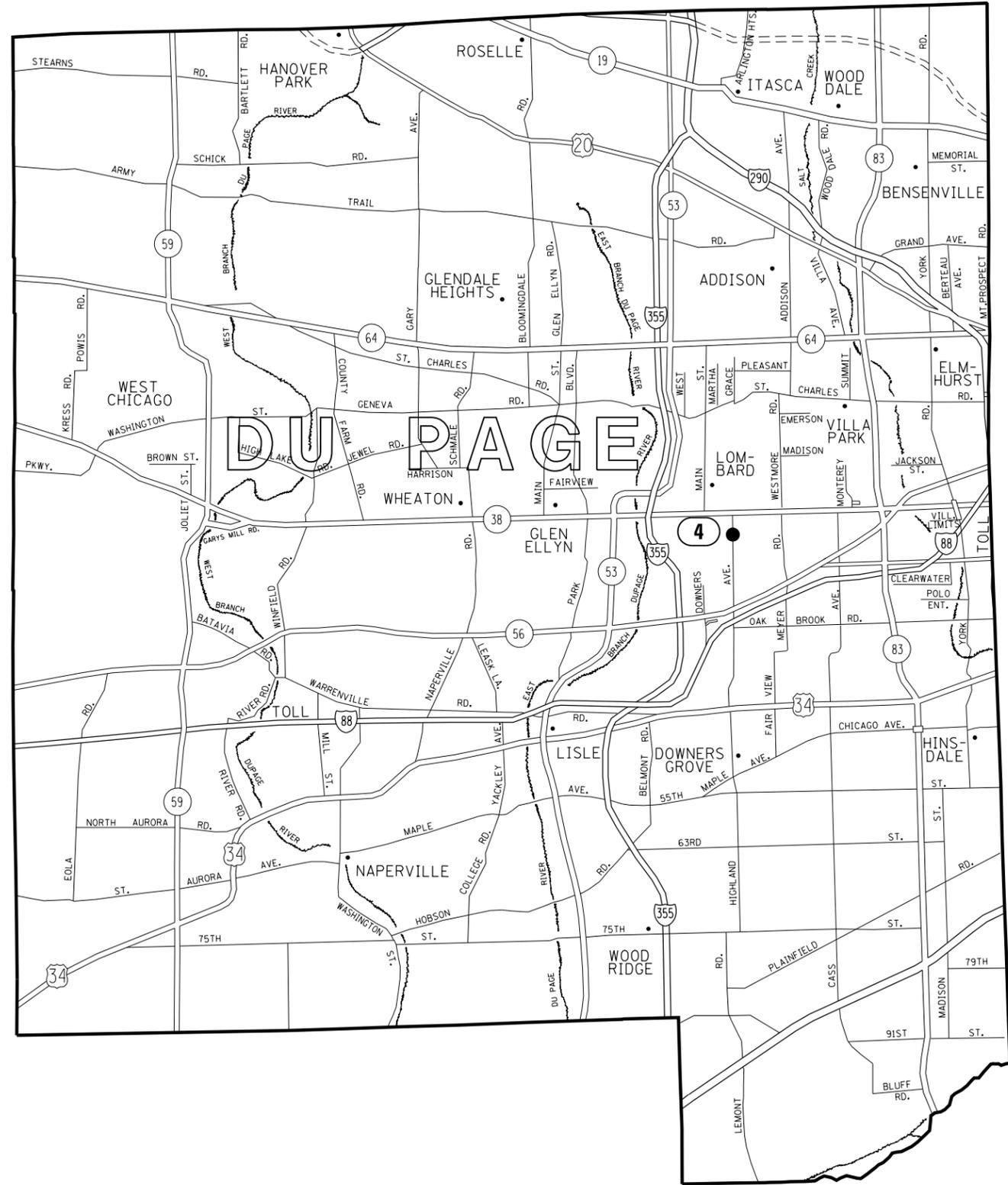
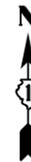
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
SOUTH COOK COUNTY**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-003TS	VARIOUS	59	6
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				



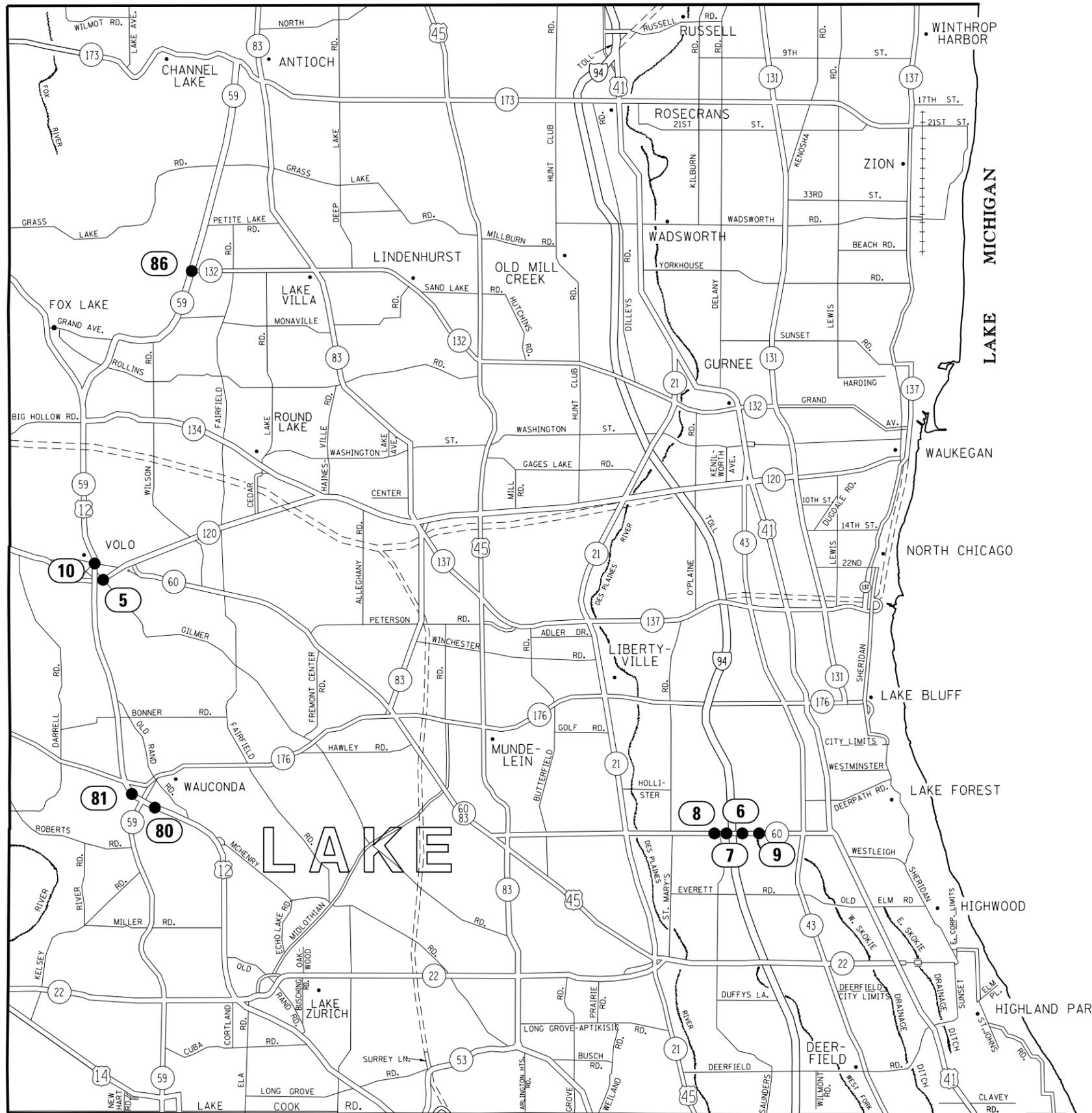
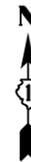
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
DUPAGE COUNTY**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-003TS	VARIOUS	59	7
			CONTRACT NO. 62A56	
ILLINOIS FED. AID PROJECT				



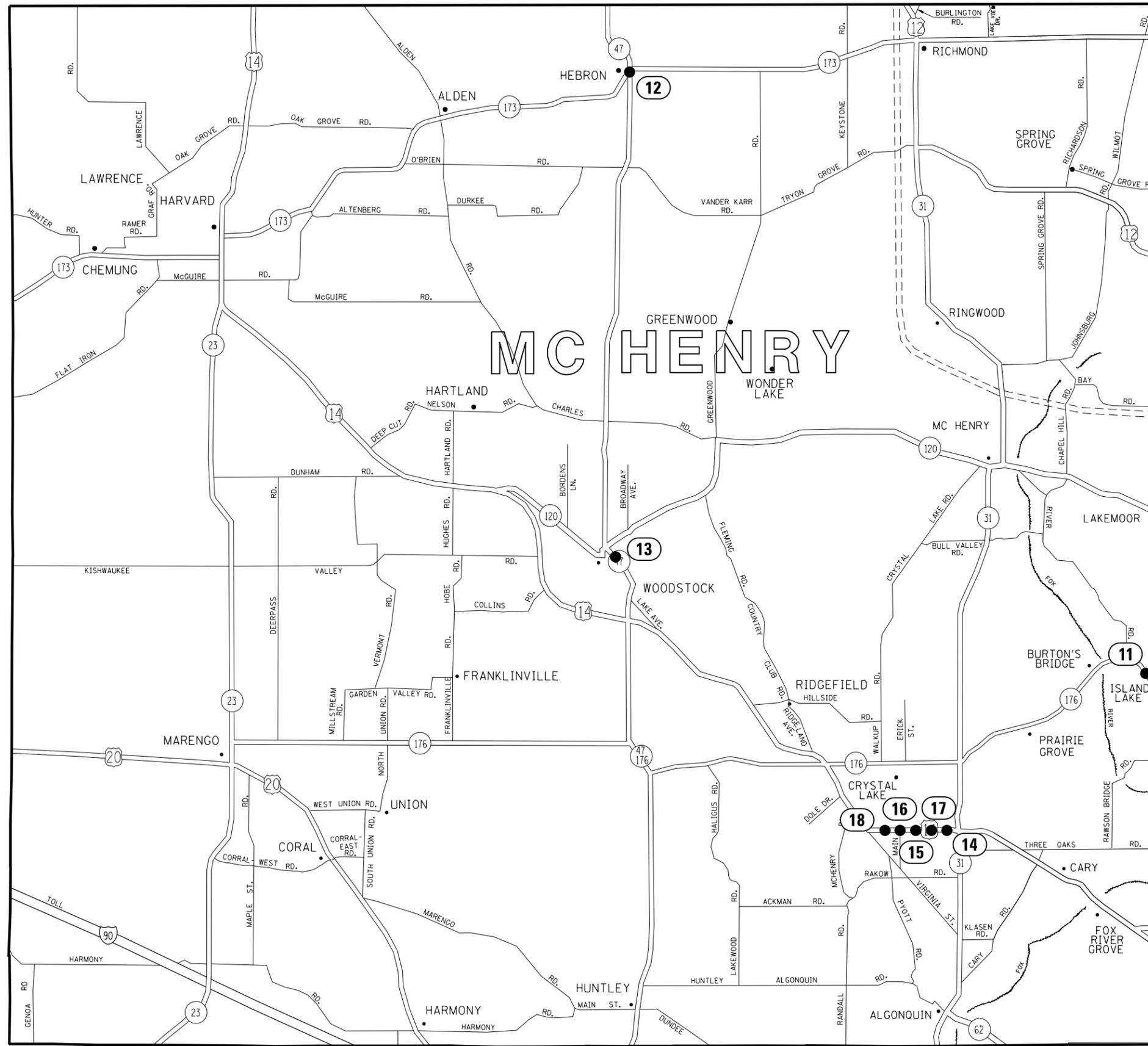
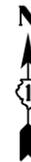
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
LAKE COUNTY**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-003TS	VARIOUS	59	8
			CONTRACT NO. 62A56	
ILLINOIS FED. AID PROJECT				



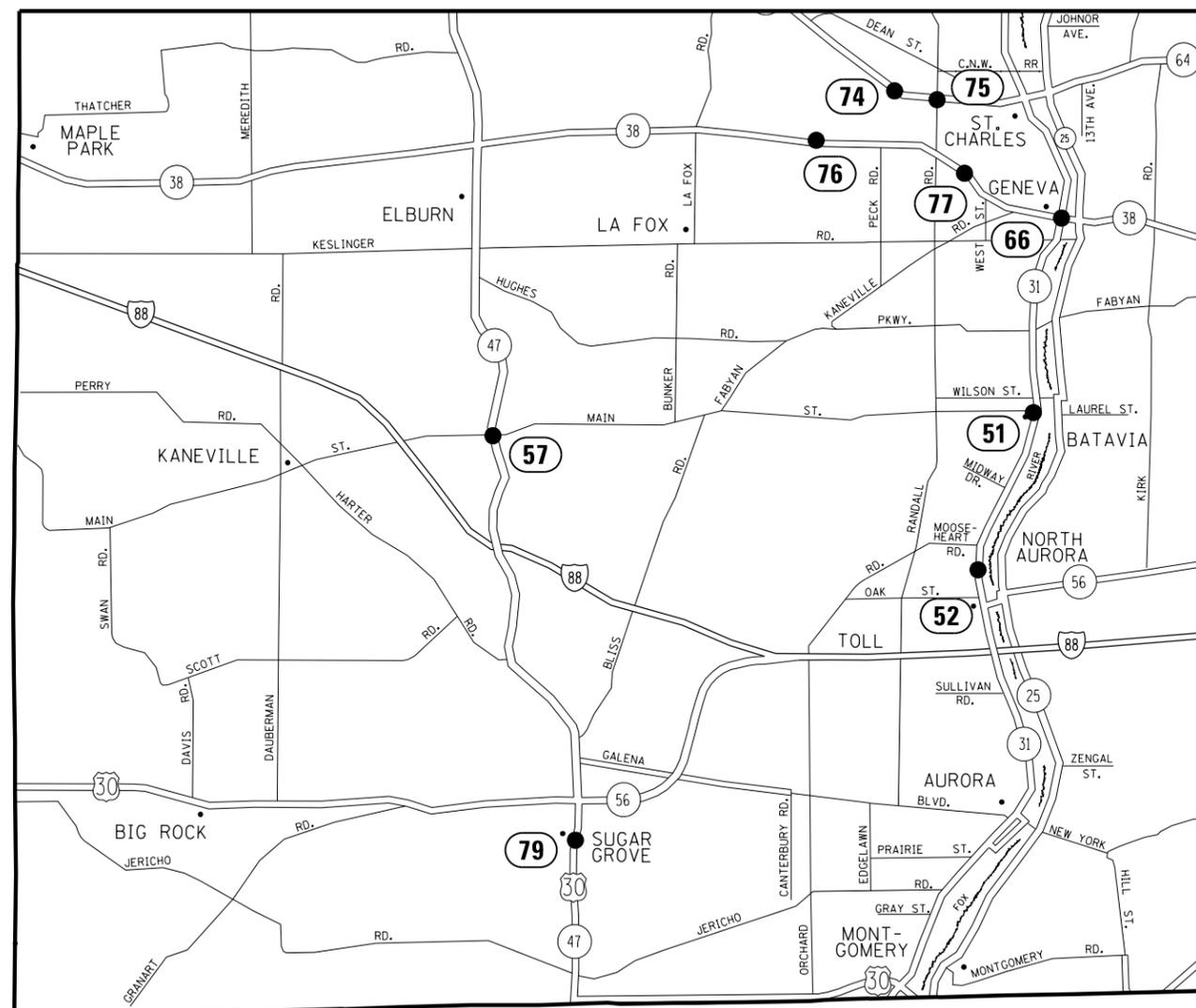
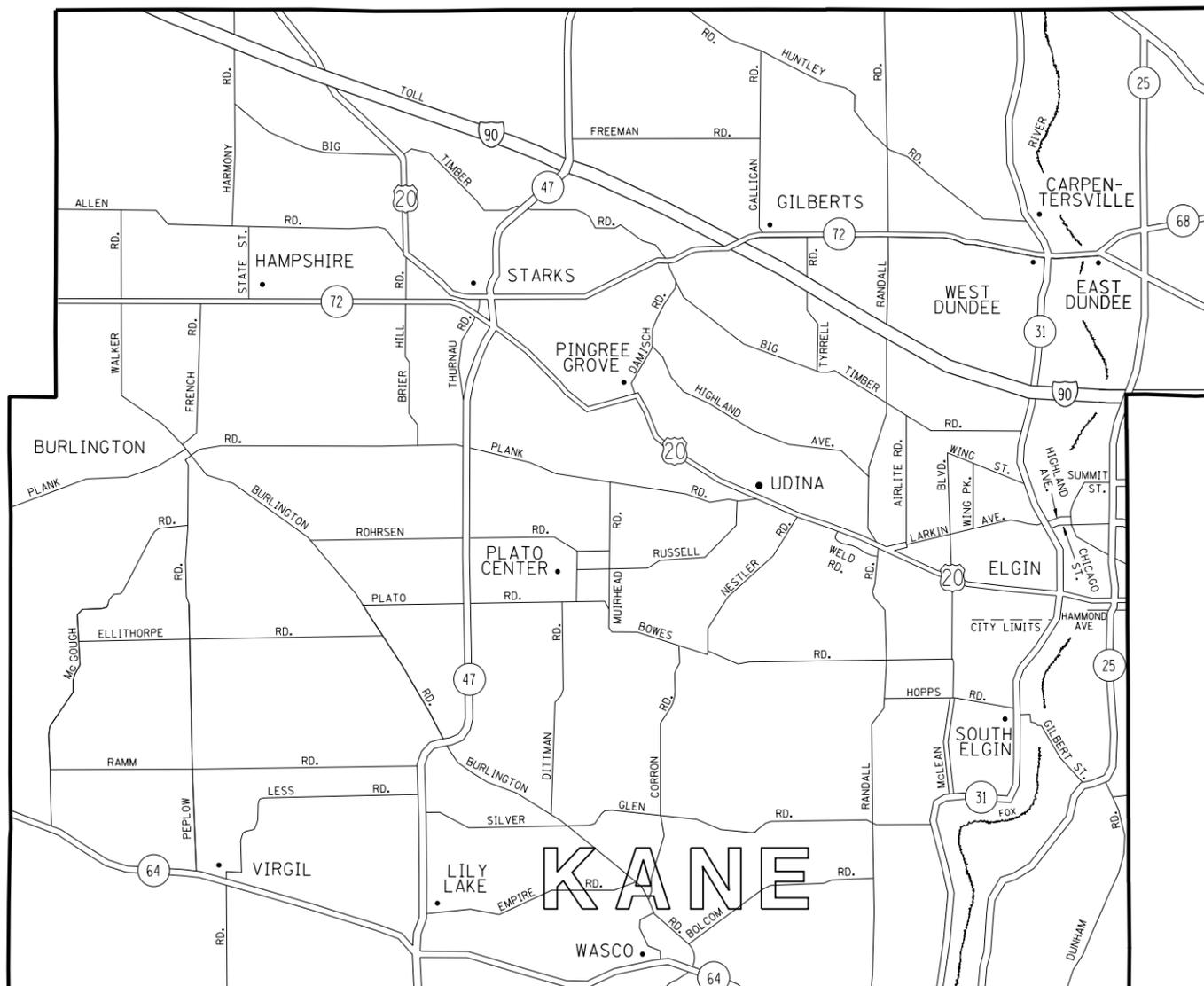
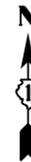
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
MCHENRY COUNTY**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-003TS	VARIOUS	59	9
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				



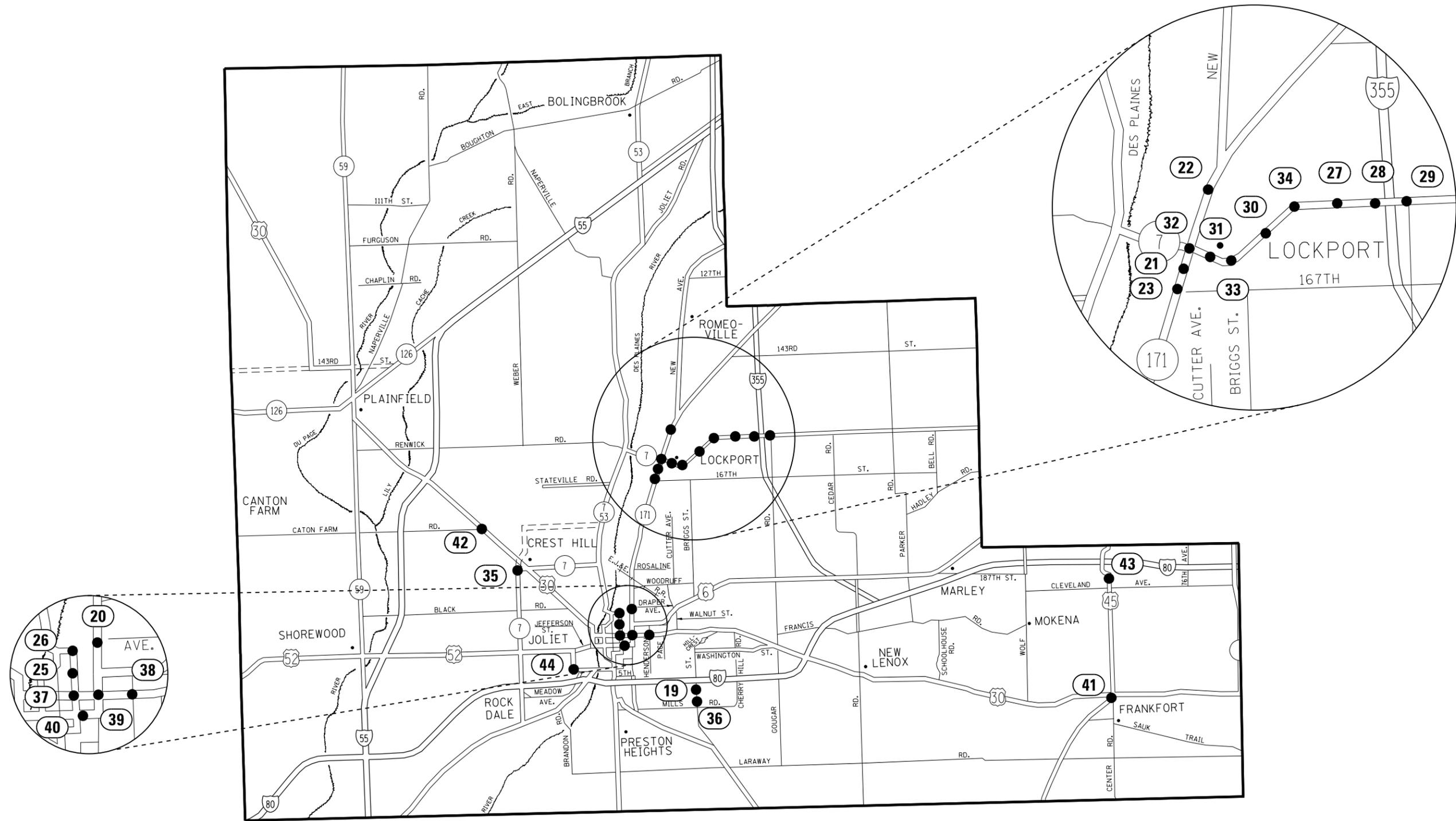
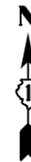
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
KANE COUNTY**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-003TS	VARIOUS	59	10
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				



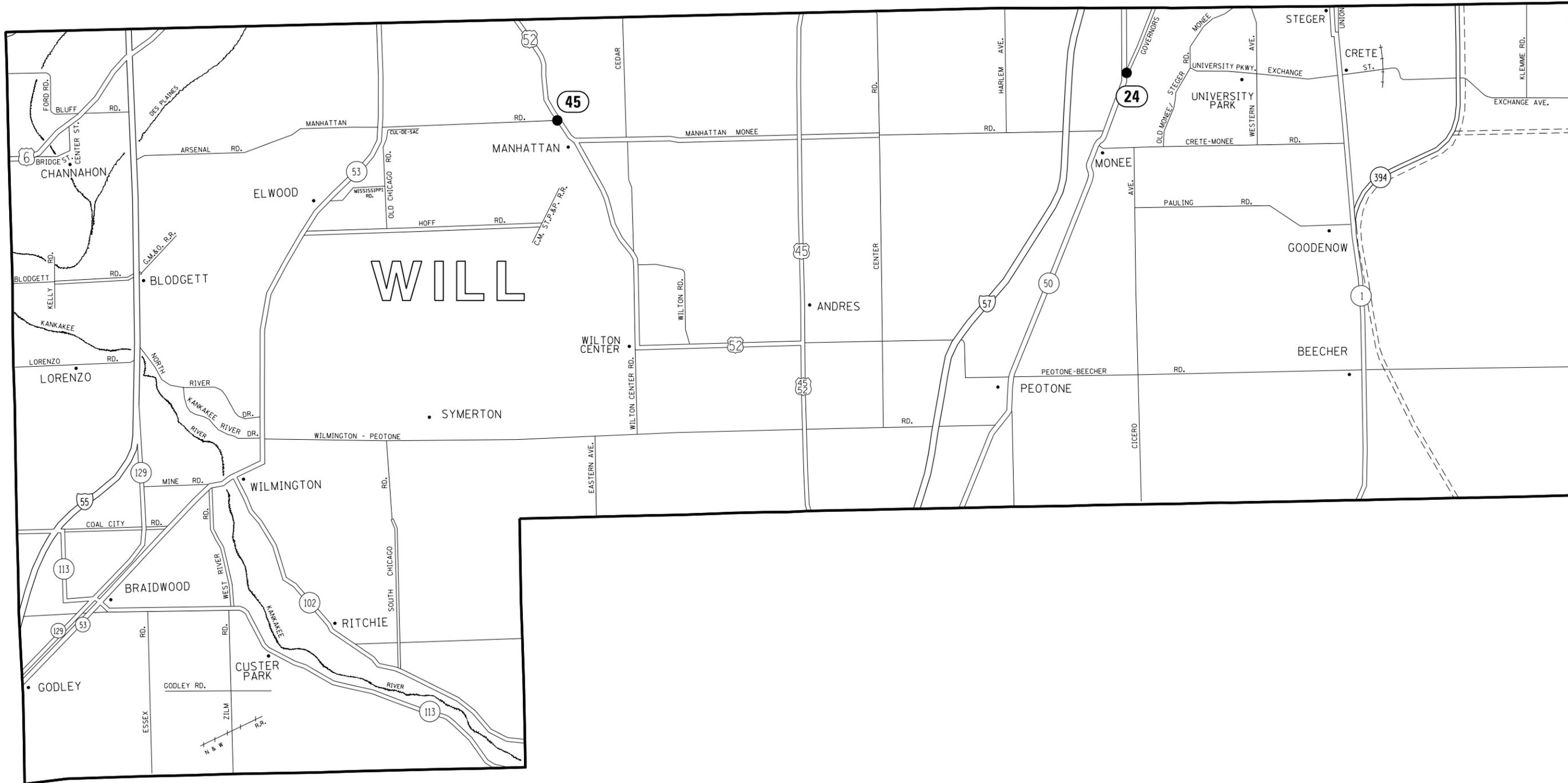
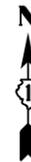
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	PLOT DATE = 4/27/2016	DATE - 03/25/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
NORTH WILL COUNTY**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-003TS	VARIOUS	59	11
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP
SOUTH WILL COUNTY**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-003TS	VARIOUS	59	12
			CONTRACT NO. 62A56	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION 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
				TRAFFIC SIGNALS					
				0021 URBAN					
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	EACH	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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
(SHEET 2 OF 3)**

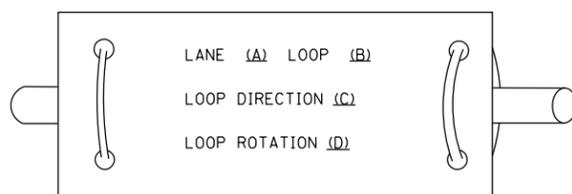
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				2015-0031S	VARIOUS	59	14
							CONTRACT NO. 62A56
							ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION 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
				TRAFFIC SIGNALS					
				0021 URBAN					
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	1	7	5
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	75	24	1	8	8	25	9
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	3	1		2			
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
Z0050400	REMOVE AND REPLACE ANCHOR BOLTS	EACH	80	27	2		4	34	13
X0320021	MODIFY EXISTING TYPE "D" FOUNDATION	EACH	3	2	1				
X8620250	UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	43	23	1	8	1	6	4

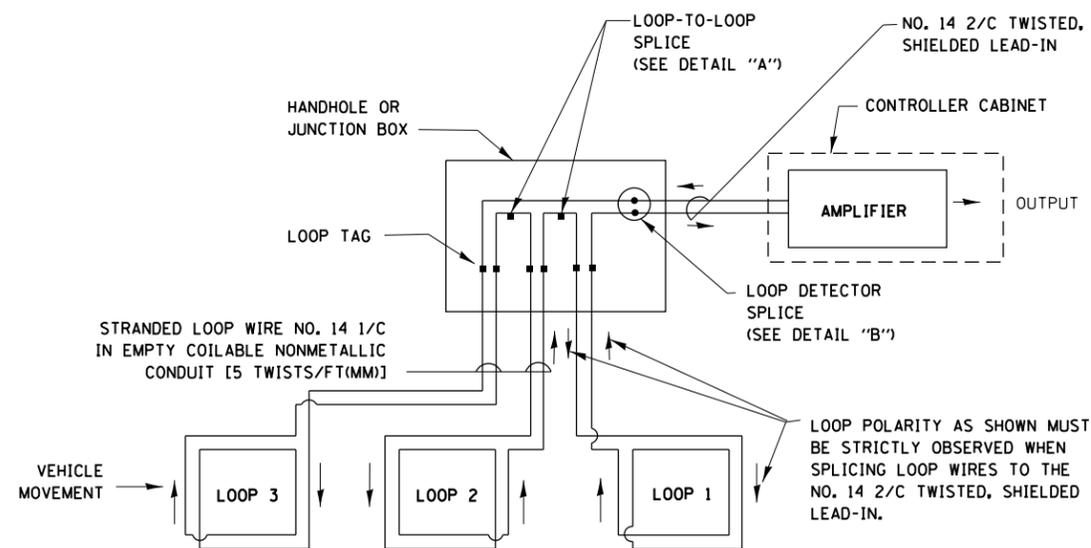
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

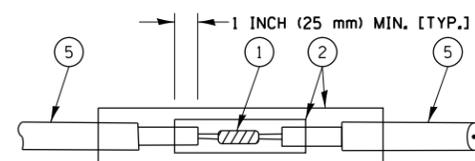


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

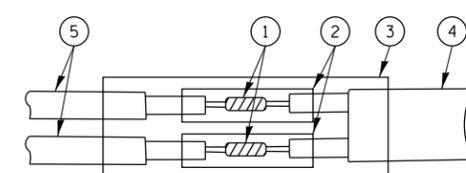


DETECTOR LOOP WIRING SCHEMATIC

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

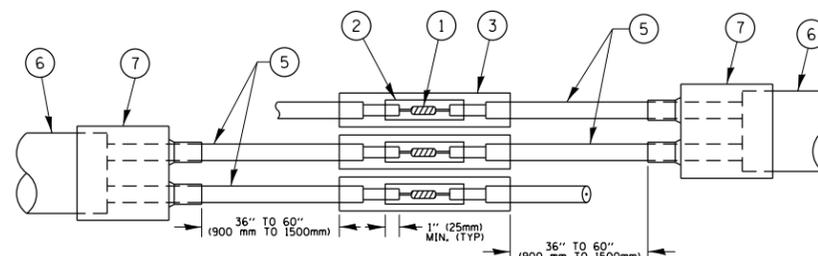


**DETAIL "A"
LOOP-TO-LOOP SPLICE**

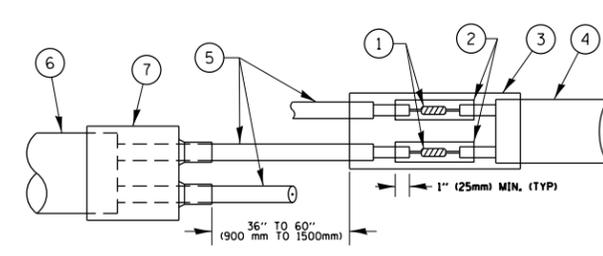


**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

TYPE I LOOP



**DETAIL "A"
LOOP-TO-LOOP SPLICE**



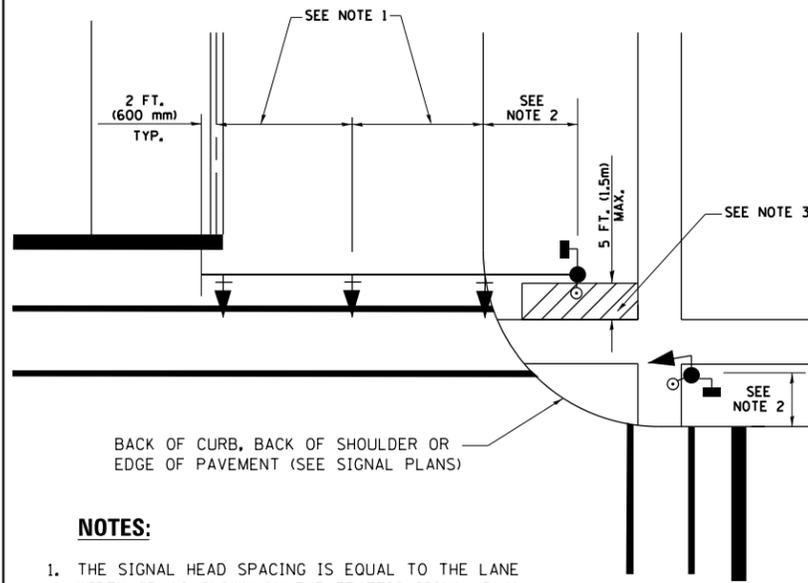
**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH, THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

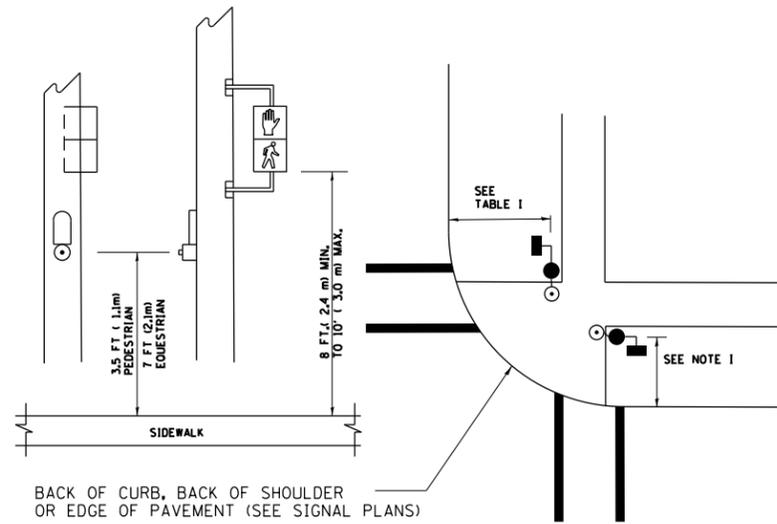
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

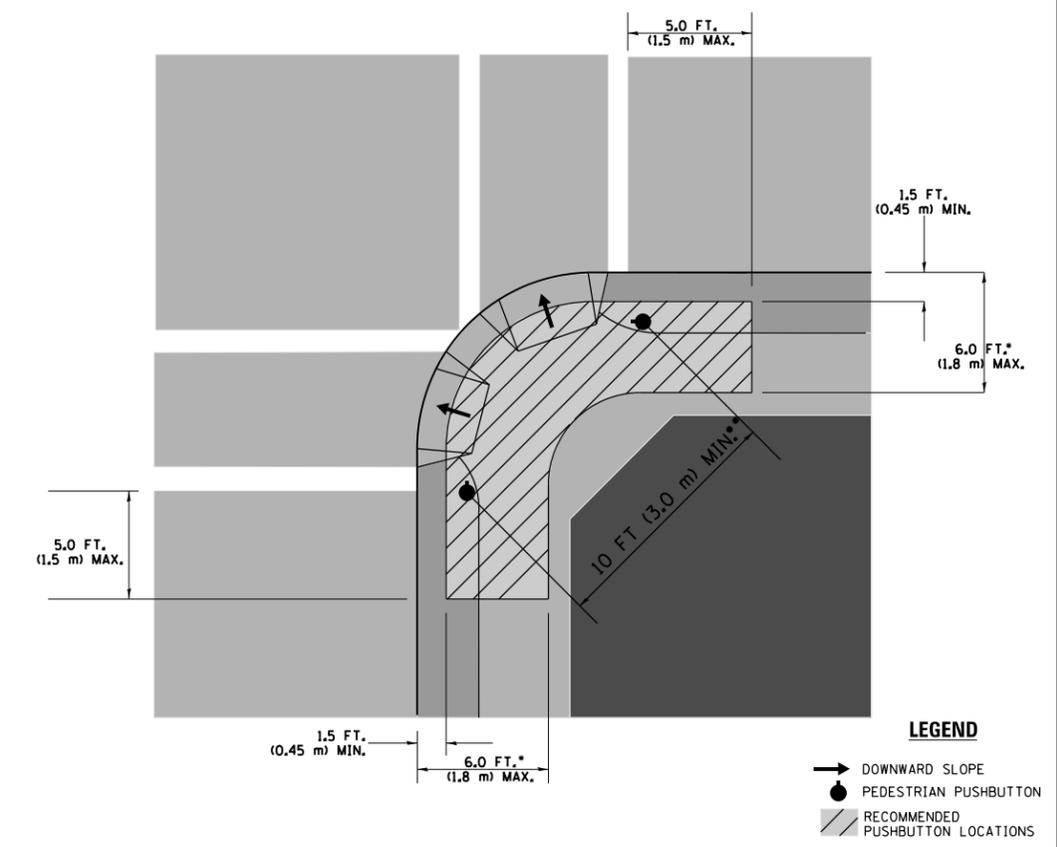
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

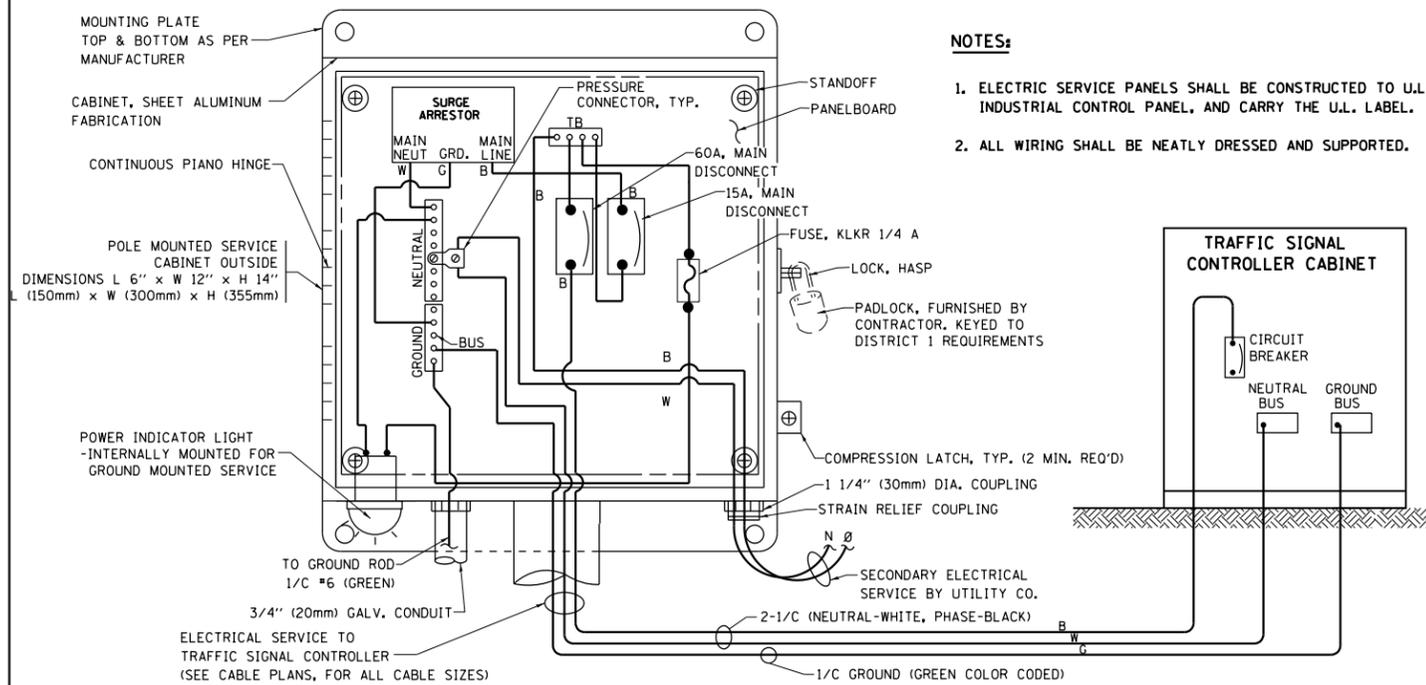
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

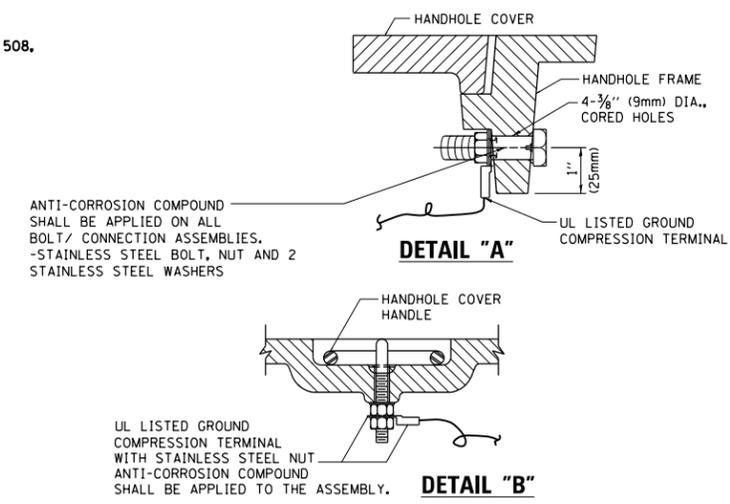
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

NOTES:

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

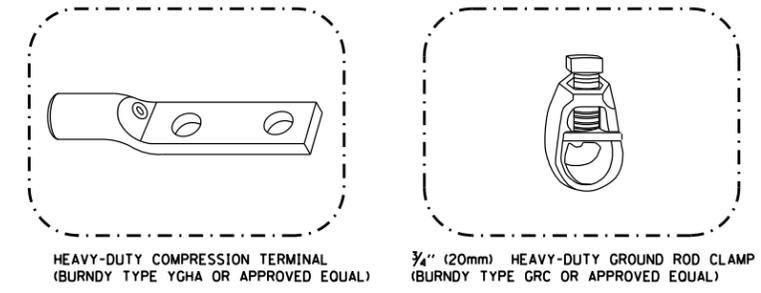
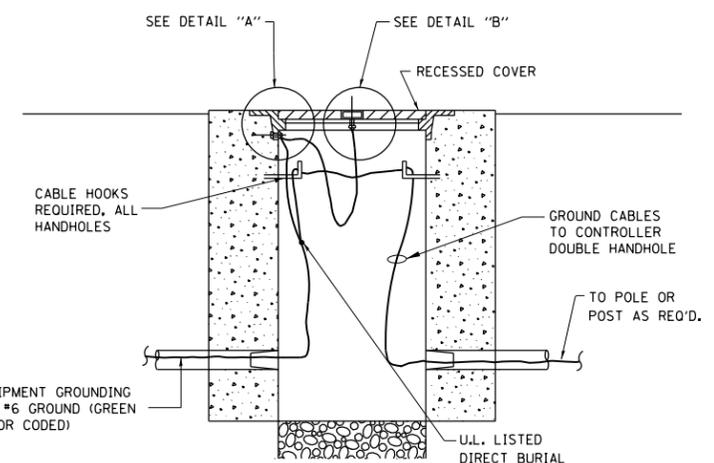


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)

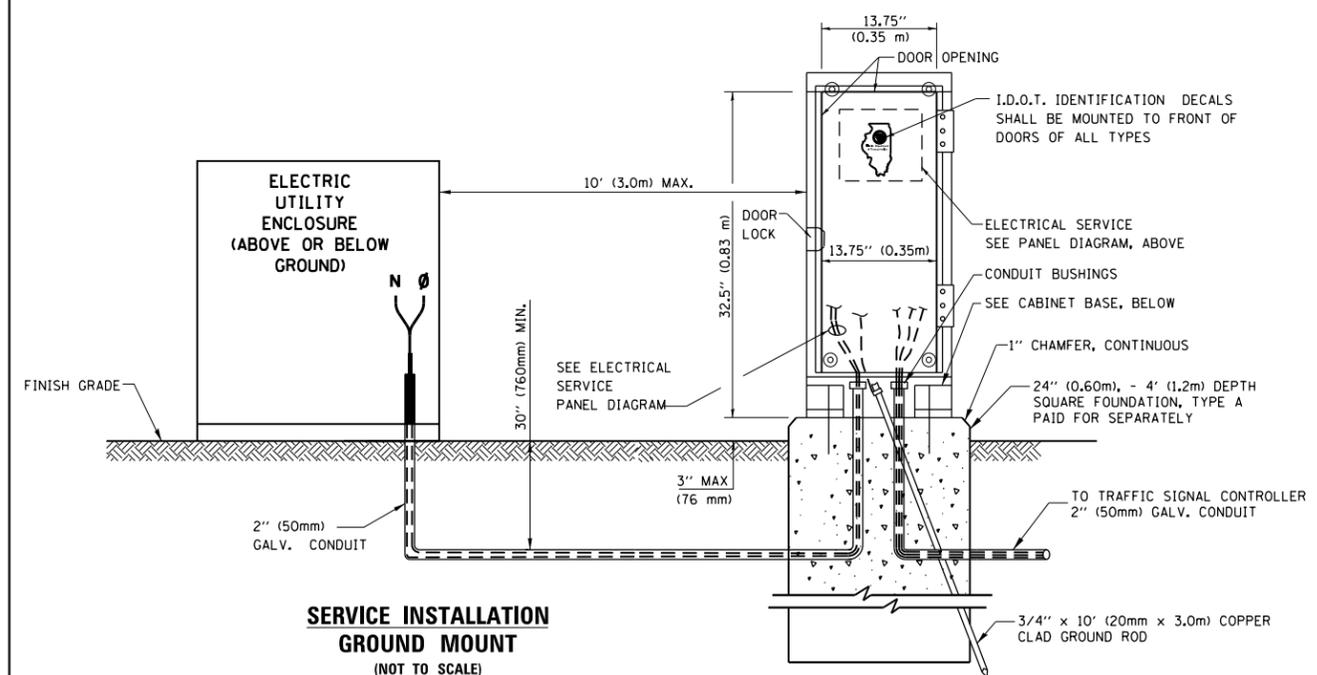
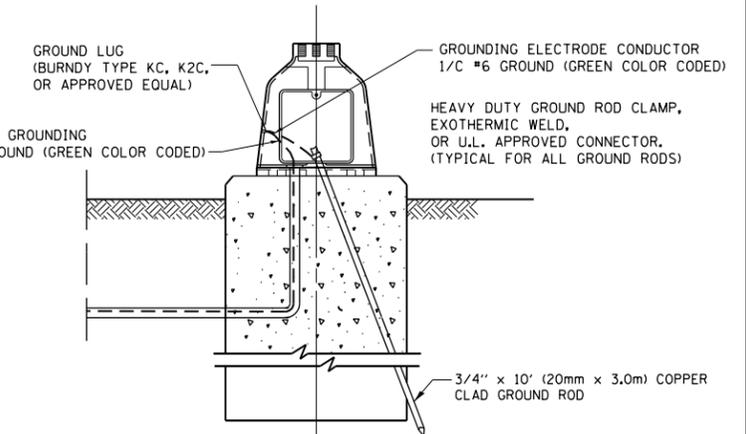
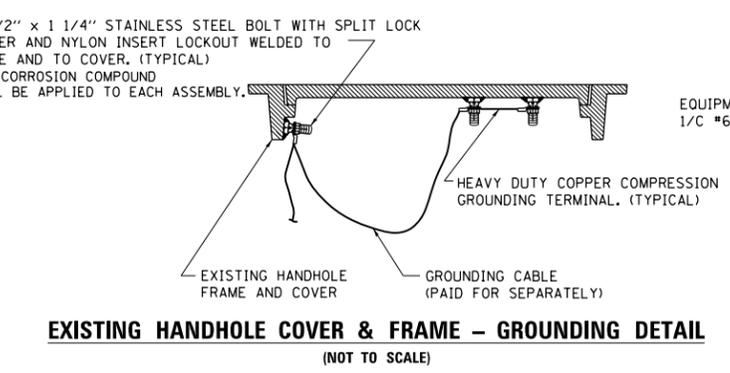


NOTES:
GROUNDING SYSTEM

- 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 ENCLOSED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 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) 705-4139.
- 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.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

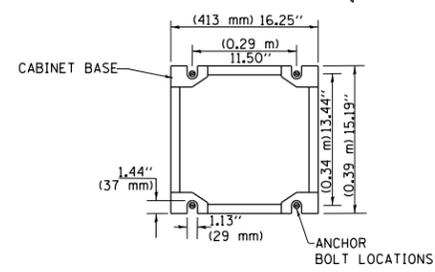


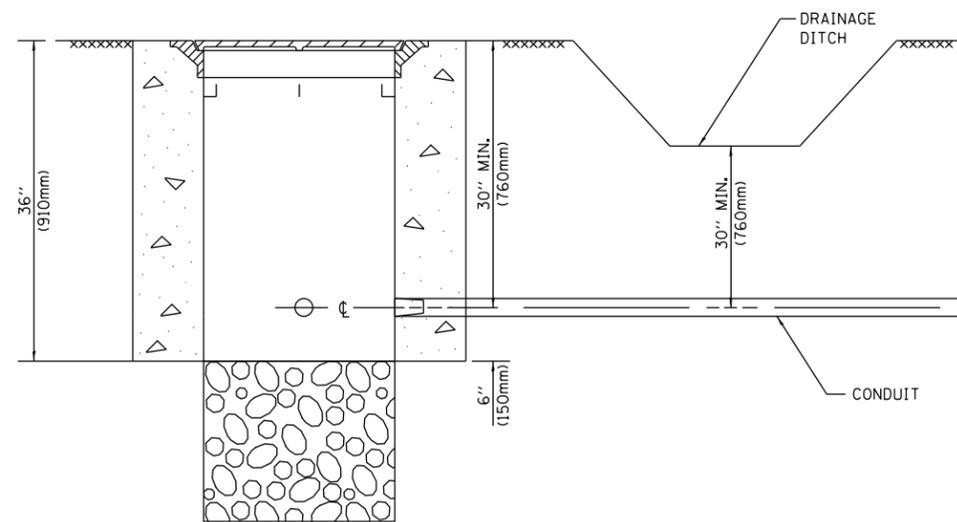
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

CABINET - BASE BOLT PATTERN (NOT TO SCALE)

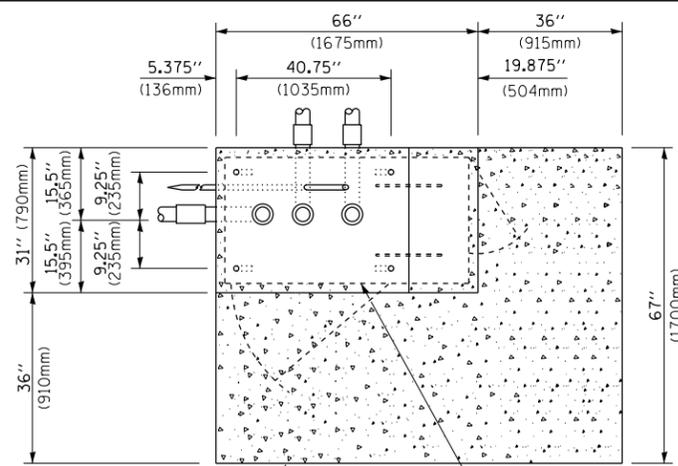




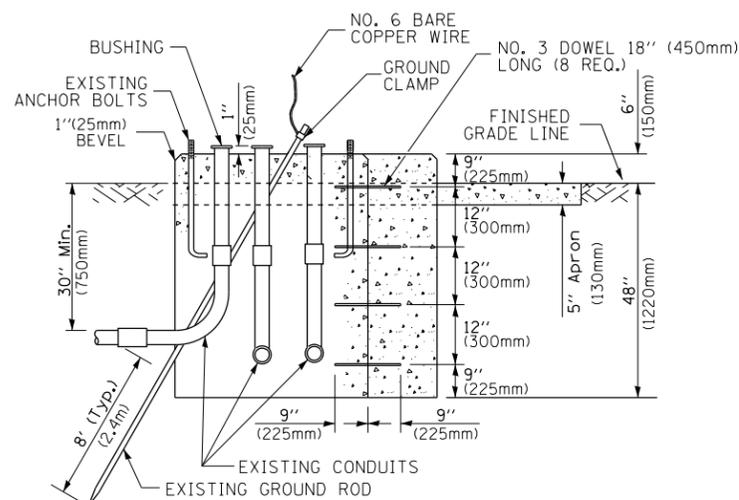
NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)

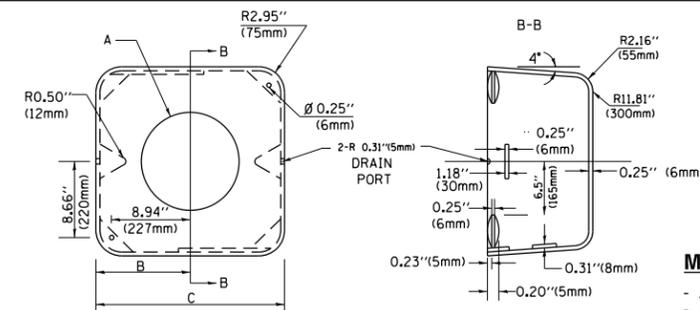


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-0-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



MATERIAL:

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

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

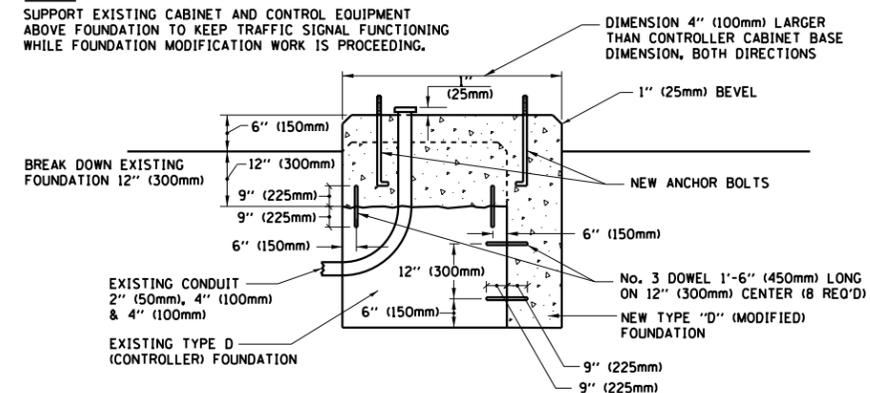
SHROUD

NOTES:

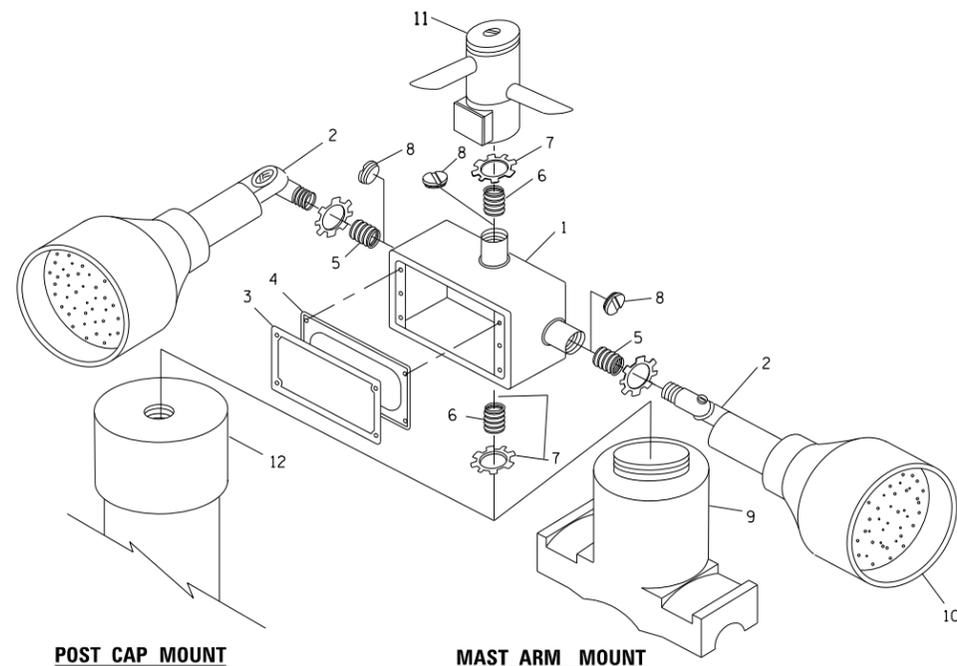
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



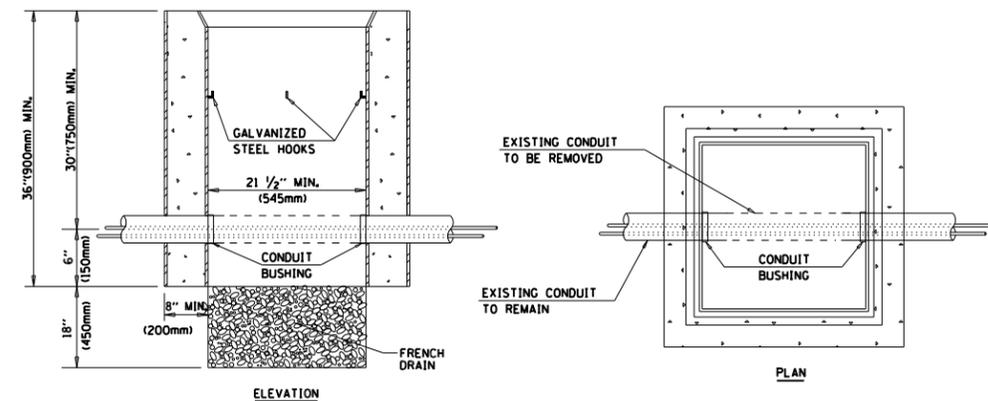
MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

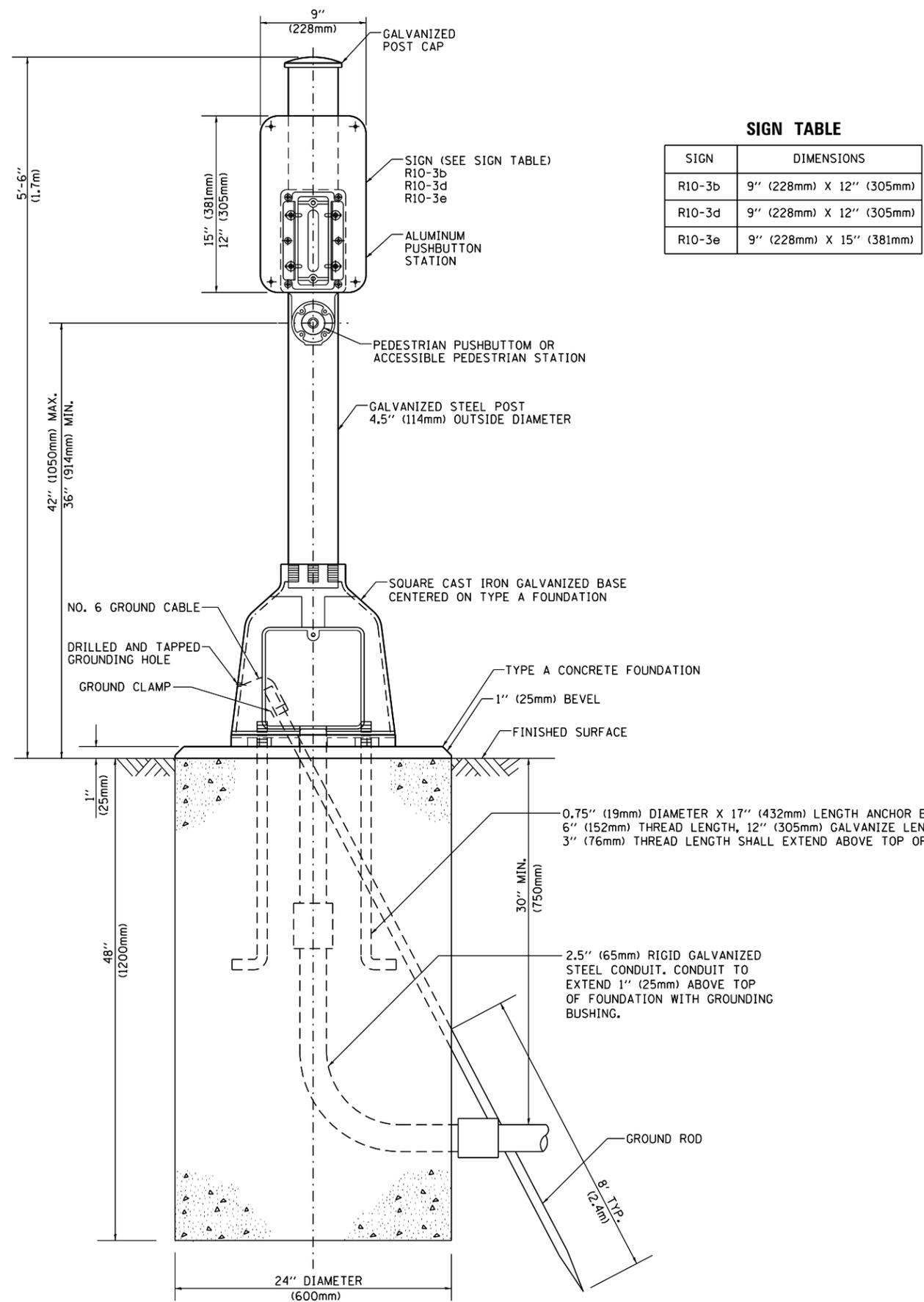
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

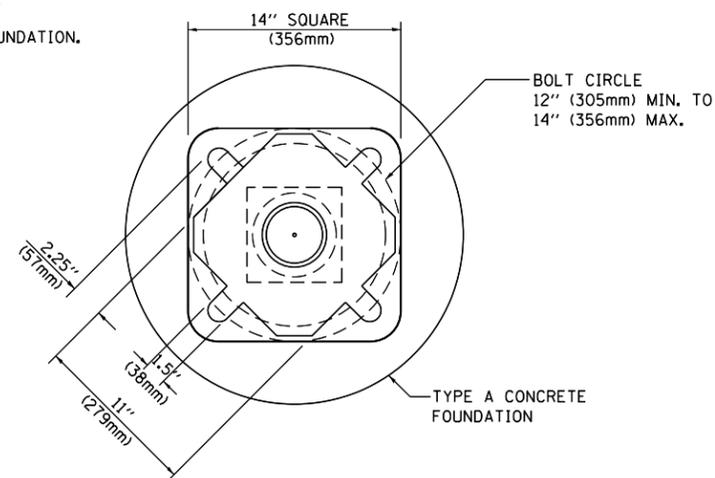
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-003TS	VARIOUS	59	21
	TS-05	CONTRACT NO.	62A56	
ILLINOIS FED. AID PROJECT				



SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-003TS	VARIOUS	59	22
	TS-05		CONTRACT NO. 62A56	
ILLINOIS FED. AID PROJECT				

LOC. NO.	TS NO.	INTERSECTION NAME												EAGLE
			85000200	85700200	86400100	88500100	89502210	89502375	X8570226	*	**			
			MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION AND TYPE IV CABINET	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	TRANSCEIVER - FIBER OPTIC	INDUCTIVE LOOP DETECTOR	MODIFY EXISTING CONTROLLER CABINET	REMOVE EXISTING CONTROLLER SIGNAL EQUIPMENT	FULL-ACTUATED TRAFFIC CABINET, SPECIAL	UNINTERRUPTABLE CONTROLLER AND TYPE IV SUPPLY AND CABINET, SPECIAL FOUNDATION	MODIFY EXISTING TYPE "D"	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	RELOCATE UNINTERRUPTABLE POWER SUPPLY, SPECIAL	CONTROLLER BRAND
5	21940	IL RTE 120 (BELVIDERE RD) AT GILMER RD	1		3		1	1	1			X		EAGLE
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			X		EAGLE
11	7741	IL RTE 176 AT NEWPORT CT	1				1	1	1					
28	75111	IL RTE 7 (159TH ST) AT I-355 WEST RAMP	1				1		1					
29	75112	IL RTE 7 (159TH ST) AT I-355 EAST RAMP	1				1		1					
46	12155	IL RTE 68 (DUNDEE RD) AT IL RTE 53 WEST RAMPS	1				1		1					
47	12160	IL RTE 68 (DUNDEE RD) AT IL RTE 53 EAST RAMPS	1				1		1					
48	502	US RTE 20 (LAKE ST) AT NAPERVILLE RD	1				1		1					
54	13145	IL RTE 53 (ROHLWING RD) AT NERGE RD	1				1		1					
56	6077	US RTE 20 (LAKE ST) AT NORTH AVE/EAST BARTLETT RD	1				1		1					
62	5448	OAKTON ST AT RIVER DR	1				1		1					
67	10595	IL RTE 43 (WAUKEGAN RD) AT KRAFT FOOD/THREE LAKE DRIVE	1				1		1					
81	6516	US RTE 12 / IL RTE 59 WEST RAMP AT IL RTE 176	1				1		1					
83	1535	US RTE 41 (SKOKIE BLVD) AT HIBBARD RD	1				1		1					
84	14205	5TH AVE AT CHICAGO AVE	1	1	2		1		1			X		
85	14215	MADISON ST AT 17TH AVE	1	1			1		1			X		
86	6840	IL RTE 59 AT IL RTE 132 (GRAND AVE)	1	1	7		1				X	X		

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.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
TRAFFIC SIGNAL CONTROLLERS AND CABINETS, AND UPS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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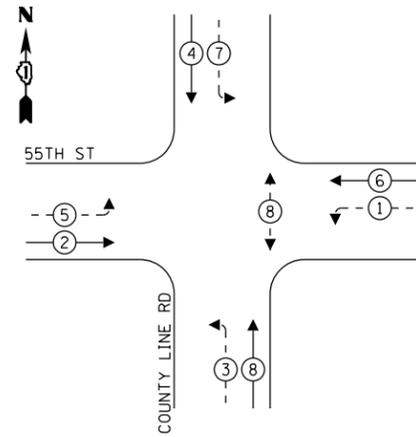
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2015-003TS	VARIOUS	59	23
			CONTRACT NO. 62A56	
ILLINOIS FED. AID PROJECT				

LOC. NO.	TS NO.	INTERSECTION NAME	TRAFFIC SIGNAL PUSH BUTTONS AND POSTS															
			85000200	87502440	87502480	87502490	87502500	87502520	88800100	89500100	89500200	89500400	89502375	X8880015	Z0050400	*	**	
			MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	PEDESTRIAN PUSH-BUTTON	RELOCATE EXISTING SIGNAL HEAD	RELOCATE EXISTING PEDESTRIAN SIGNAL	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	REMOVE EXISTING SIGNAL PUSH-BUTTON	PEDESTRIAN PUSH-BUTTON NON-LATCHING TRAFFIC	REMOVE AND REPLACE TRAFFIC BOLTS	REMOVE AND REPLACE ANCHOR	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT FROM CONDUIT
3	1480	US RTE 34 (OGDEN AVE) AT WOLF RD	1								1	1						X
14	7257	US RTE 14 AT COG CIRCLE	1					4				1						
15	11525	US RTE 14 AT CRYSTAL POINT MALL	1			1			1			1			1			
16	7250	US RTE 14 AT MAIN ST	1					4				1						
17	7255	US RTE 14 AT PINGREE RD	1					8				1						
18	11530	US RTE 14 AT TECKLER BLVD	1			3		4	5	4		1			3			
20	22556	IL RTE 171 (COLLINS ST) AT OHIO ST	1	1					1	1	1	1			1			
21	7519	IL RTE 171 (STATE ST) AT 10TH ST	1									1		4				
22	7518	IL RTE 171 (STATE ST) AT 2ND ST	1					6				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 GOVERNORS HIGHWAY	1	2					2			1			2			
25	21801	IL RTE 53 (SCOTT ST) AT CLAY ST	1	1	2				2	4	3	1			3			
26	21800	IL RTE 53 (SCOTT ST) AT OHIO ST	1		1				1	2	1	1			1			
27	7526	IL RTE 7 (159TH ST) AT FARRELL RD	1					2				1						
30	7521	IL RTE 7 (9TH ST) AT 7TH ST	1	1			4		6	6		1	6	5				
31	7523	IL RTE 7 (9TH ST) AT HAMILTON AVE	1									1	4					
32	7517	IL RTE 7 (9TH ST) AT IL 171 (STATE ST)	1									1	4					
33	7522	IL RTE 7 (9TH ST) AT MADISON ST	1					8				1						
34	7524	IL RTE 7 (9TH ST) AT READ ST / LOCH LN	1					8				1						
35	4295	IL RTE 7 (LARKIN AVE) AT IL 7 (THEODORE ST)	1			3			6			1			3			
37	21780	US RTE 30 (CASS ST) AT EASTERN AVE	1	1					1	2	1	1			1			
38	22552	US RTE 30 (CASS ST) AT HENDERSON	1			1			1	1	1	1			1			
39	21803	US RTE 30 (CASS ST) AT IL 53 (SCOTT ST)	1	1					2	2	2	1			1			
40	21782	US RTE 30 (JEFFERSON ST) AT EASTERN AVE	1			1			2	2	2	1			1			
42	7430	US RTE 30 (PLAINFIELD RD) AT CATON FARM / GAYLORD RD	1			5			10			1			5			
44	21828	US RTE 52 (MCDONOUGH AVE) AT US 52 (RAYNOR AVE)	1	4					5			1			4			
65	10125	IL RTE 43 (HARLEM AVE) AT HARLEM - IRVING PLAZA	1			2			3	2	2	1			2			
69	11735	HICKS RD AT HELEN RD	1	2		1			5			1			3			
70	12005	HICKS RD AT SELLSTROM DR	1	1		1			2			1			2			
71	2860	IL RTE 58 (GOLF RD) AT RING RD	1	1	1				3			1			2			

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.

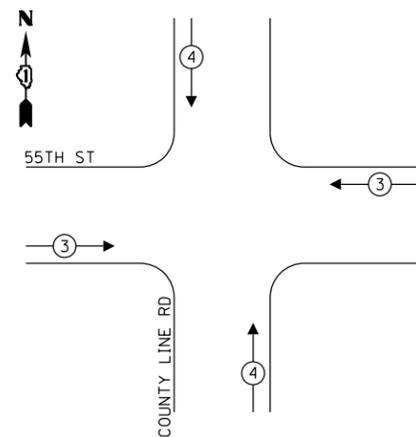
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



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 CABINET (COMPLETE-EXCEPT OTHERWISE NOTED)
- 4 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH PEDESTRIAN PUSH-BUTTON
- 8 EACH TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE STATE STOCK.

- 1 EACH TRAFFIC SIGNAL CONTROLLER

- ① THE CONTRACTOR SHALL RELOCATE THE EXISTING VEHICLE PRIORITY SYSTEM, PHASING UNIT AND EXISTING EQUIPMENT FOR THE WIRELESS INTERCONNECT TO THE NEW CONTROLLER CABINET. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL".

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 W/ COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	8
PEDESTRIAN PUSH-BUTTON	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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

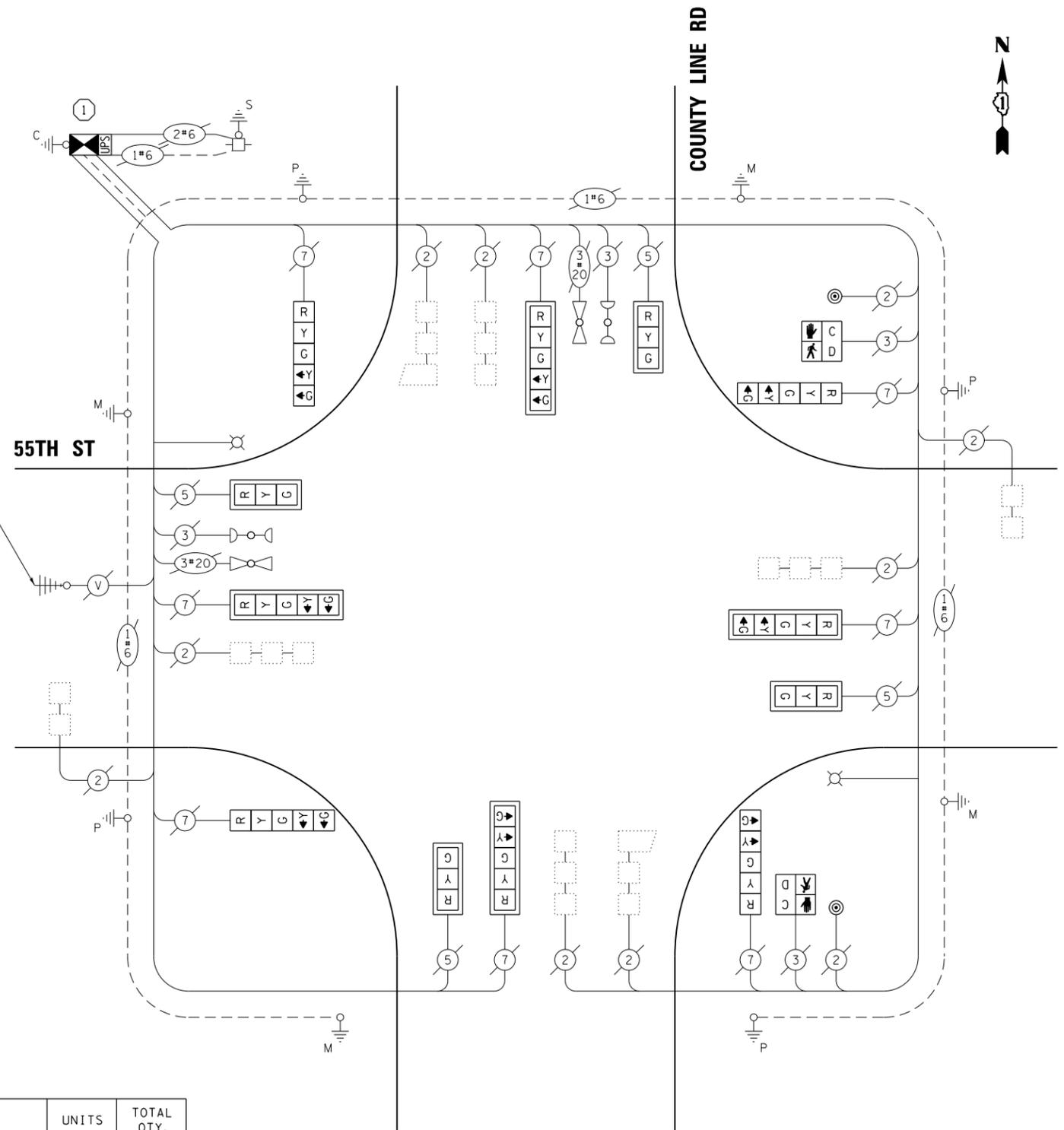
ENERGY COSTS TO:

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 NAME =	USER NAME = plascencia
pw:\IL084EBIDINTEG\illinois.gov\PIW001\Documents\DOT Offices\District 1\Projects\2016\24915-sht-ts-02.dgn	DESIGNED - IP
	REVISED - 4/29/2016
	REVISED -
	CHECKED - AK
	REVISED -
	DATE - 3/15/2016
	REVISED -

EX. WIRELESS INTERCONNECT TO GARFIELD ST



CABLE PLAN
(NOT TO SCALE)

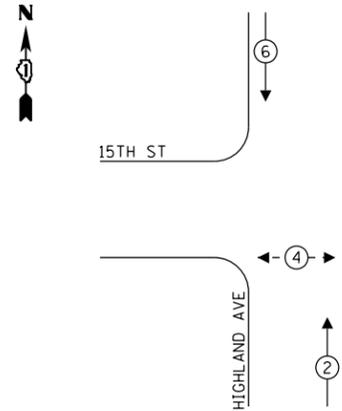
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
55TH ST AT COUNTY LINE RD

SCALE: SHEET OF SHEETS STA. TO STA.

TS 3840
ECON DUPAGE COUNTY SYSTEM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	26
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				

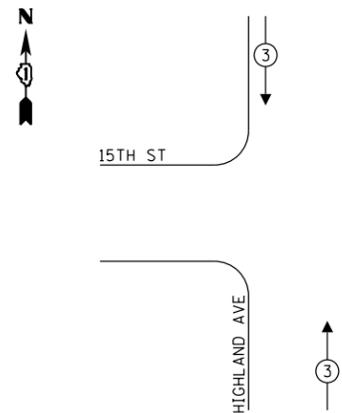
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

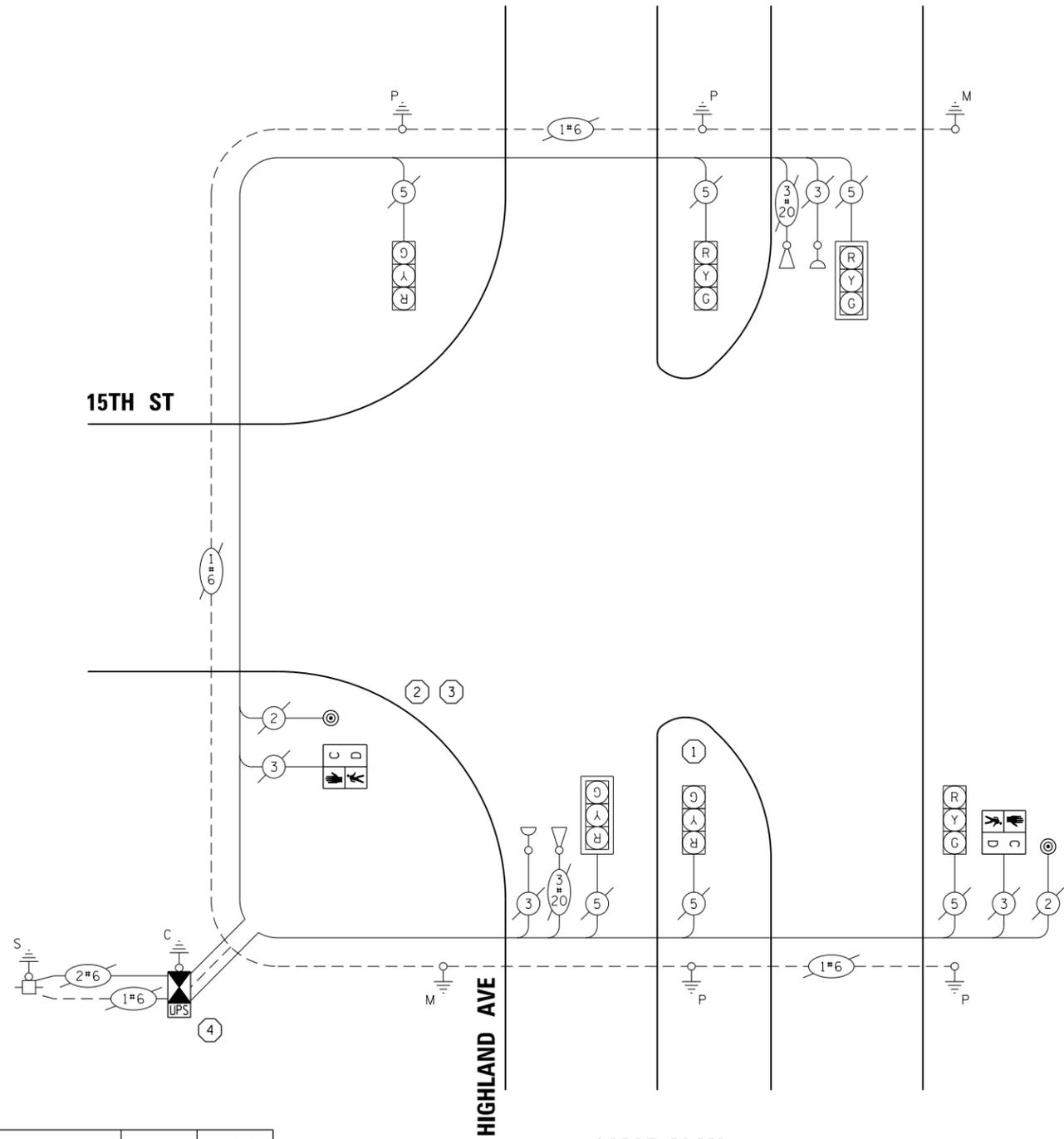


REMOVAL NOTES:

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

- 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".



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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 LOMBARD
 255 E WILSON AVE
 LOMBARD, IL 60148
 ENERGY SUPPLY: CONTACT: JOE STACHO
 PHONE: (630) 424-5704
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

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

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED - 4/29/2016
pw\l\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI24915-sht-ts-02.dgn	PROJECT = Traffic	CHECKED - AK	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE - 3/15/2016	REVISED -
	PLOT DATE = 4/28/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
HIGHLAND AVE AT 15TH ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	27
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				

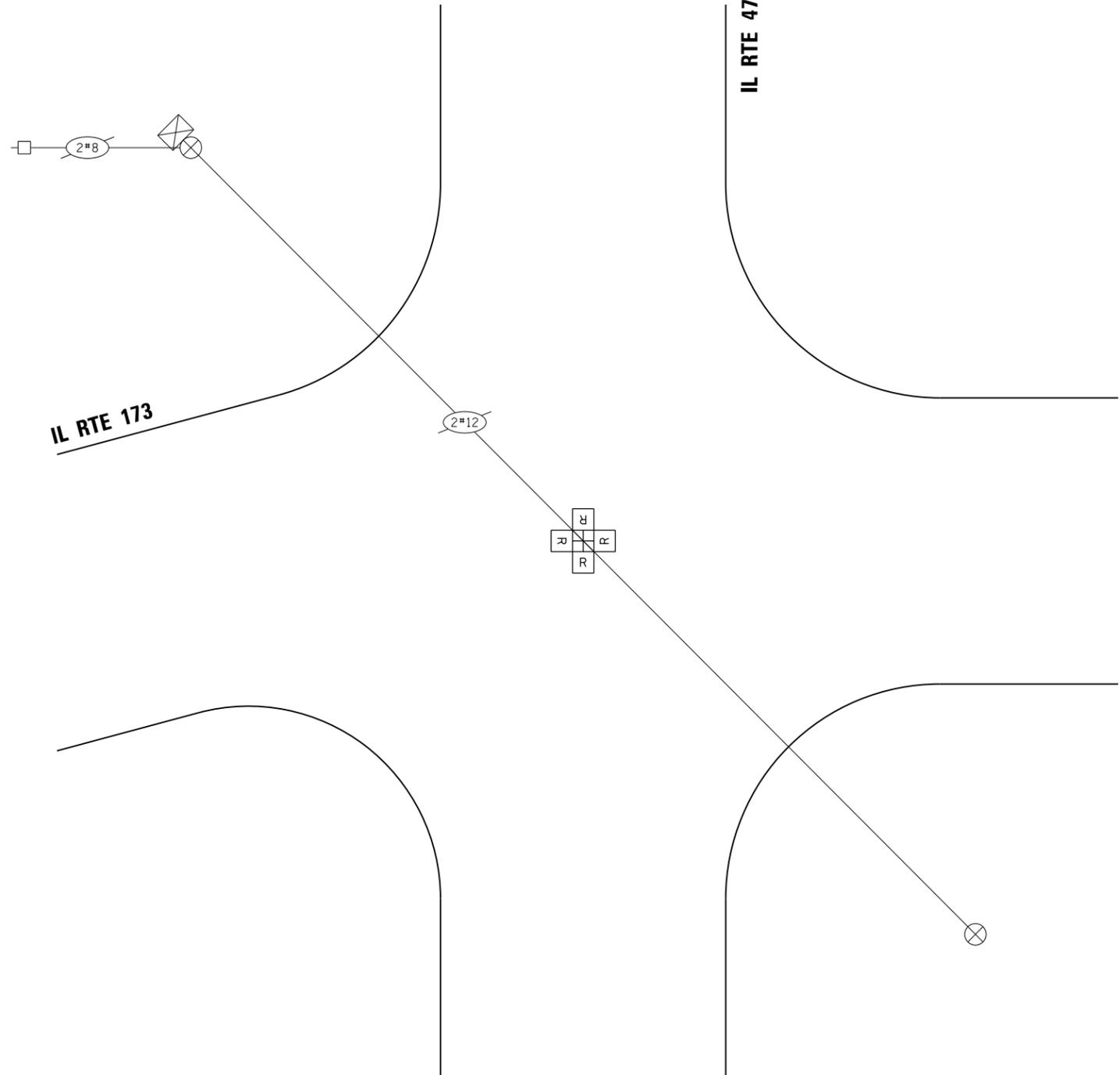
TS 8325



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



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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 DEPARTMENT OF TRANSPORTATION
201 W CENTER CT
SCHAUMBURG, IL 60196
ENERGY SUPPLY: CONTACT: MIKE LENOX
PHONE: (815) 490-2869
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

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 = plascencia	DESIGNED - IP	REVISED - 4/29/2016
pw\1\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI24915\Traffic\24915-sht-ts-02.dgn		CHECKED - AK	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE - 3/15/2016	REVISED -
	PLOT DATE = 4/28/2016		

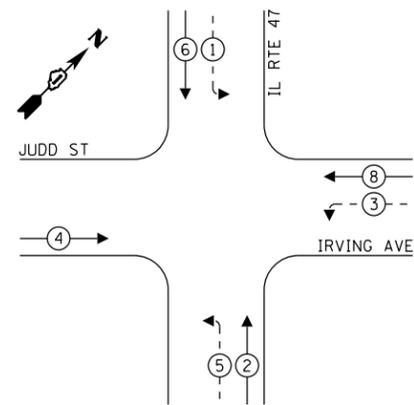
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES AND CABLE PLAN IL RTE 47 AT IL RTE 173			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	28
CONTRACT NO. 62A56				ILLINOIS FED. AID PROJECT

FL 830

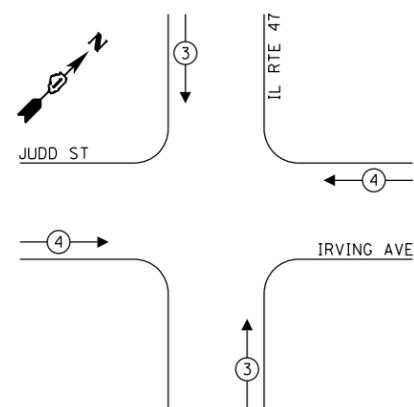
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← OL → OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

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	12	10	10	12.0
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 =				303.6

ENERGY COSTS TO:

CITY OF WOODSTOCK
121 W CALHOUN ST
WOODSTOCK, IL 60098

ENERGY SUPPLY: CONTACT: MIKE LENOX
PHONE: (815) 490-2869
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

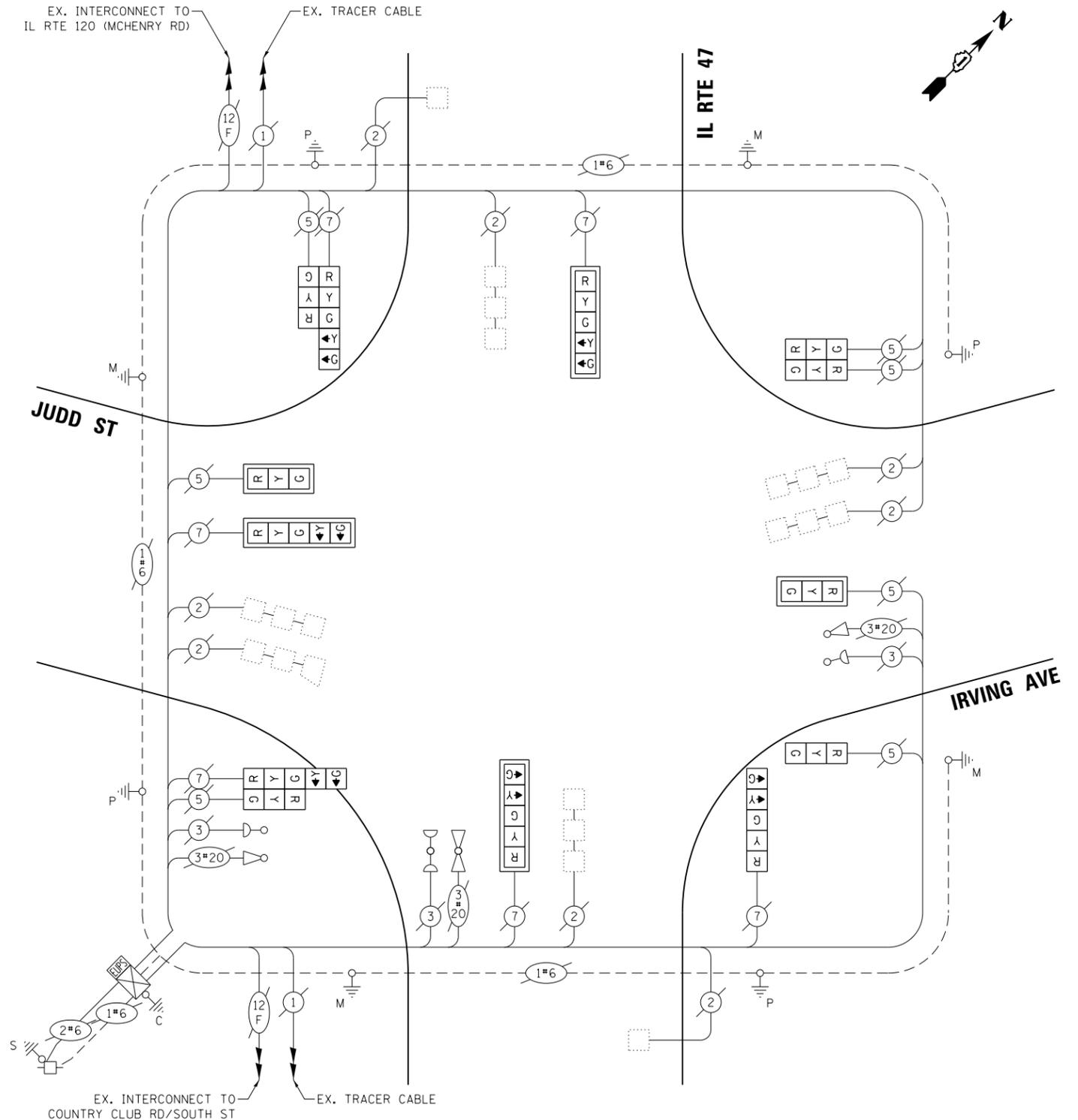
REMOVAL NOTES:

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
- 6 EACH 5-SECTION SIGNAL HEAD
- 5 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	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	5
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1



CABLE PLAN
(NOT TO SCALE)

FILE NAME = USER NAME = plascencia
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DRAWN TO: Traffic\124915-sht-ts-02.dgn
PLOT SCALE = 40.0000' / in.
PLOT DATE = 4/29/2016

DESIGNED - IP
REVISED - 4/29/2016
CHECKED - AK
REVISIED -
DATE - 3/15/2016
REVISIED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

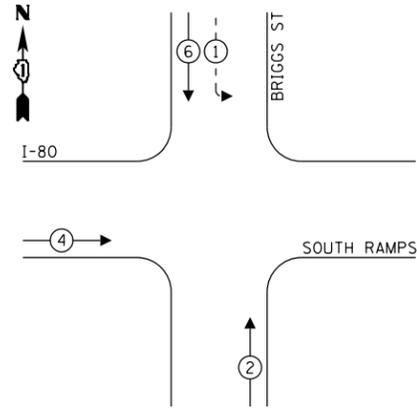
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 47 AT IRVING AVE /JUDD ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. SECTION COUNTY TOTAL SHEETS SHEET NO.
RTE. 2015-003TS VARIOUS 59 29
VAR. CONTRACT NO. 62A56
ILLINOIS FED. AID PROJECT

TS 15087
ECON 167

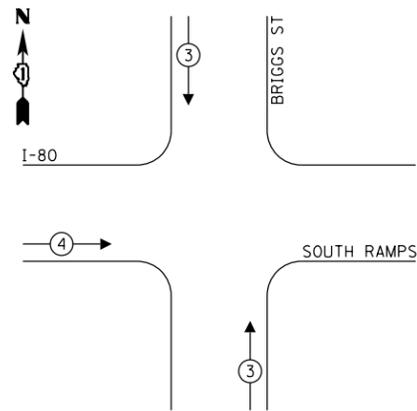
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ↔ OL OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



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.

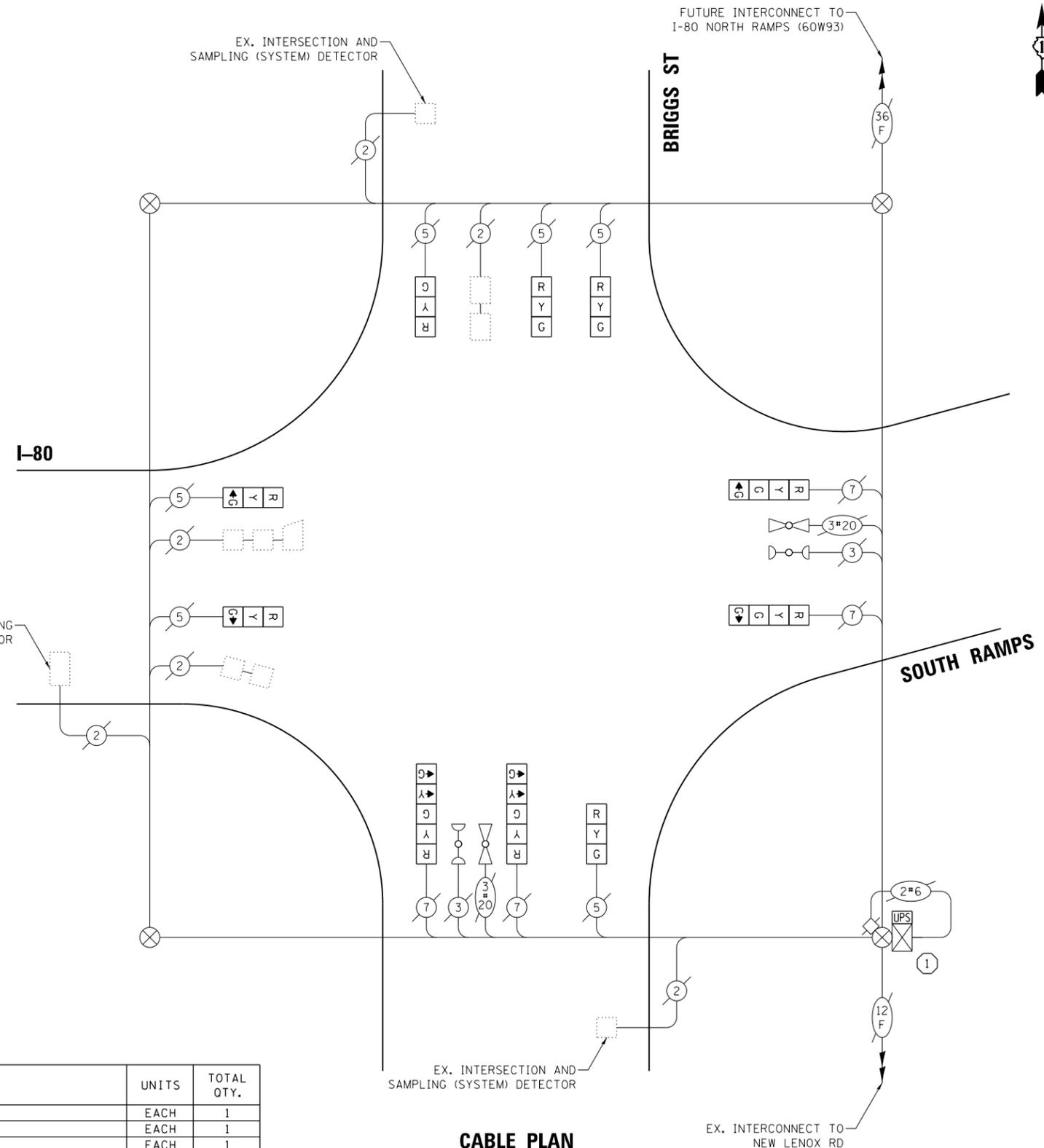
- 6 EACH 3-SECTION SIGNAL HEAD
- 2 EACH 4-SECTION SIGNAL HEAD
- 2 EACH 5-SECTION SIGNAL HEAD

- ① 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
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	6
SIGNAL HEAD ,LED, 1-FACE 4-SECTION, SPAN WIRE MOUNTED	EACH	2
SIGNAL HEAD ,LED, 1-FACE 5-SECTION, SPAN WIRE MOUNTED	EACH	2
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

CABLE PLAN
(NOT TO SCALE)



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55.0
(YELLOW)	10	20	5	10.0
(GREEN)	12	12	45	64.8
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	-
TOTAL =				258.8

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: TIM COSLET
PHONE: (815) 724-5010
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

FILE NAME = USER NAME = plascencia
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PLOT SCALE = 40.0000' / in.
Default PLOT DATE = 4/28/2016

DESIGNED - IP
REVISED - 4/29/2016
CHECKED - AK
DATE - 3/15/2016

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

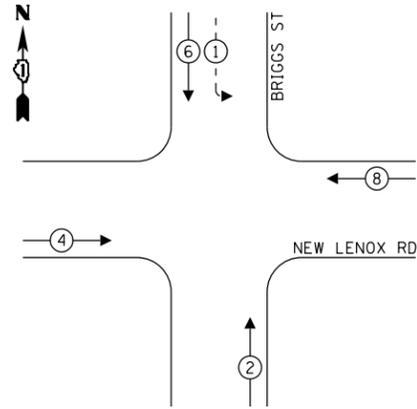
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
I-80 SOUTH RAMPS AT BRIGGS ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	30
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				

TS 7393
ECON 134

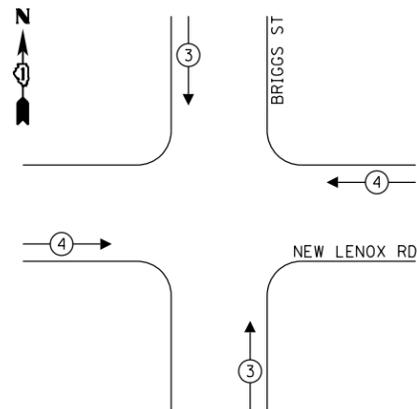
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ * → PROTECTED PHASE
- ← ⊙ * - - PROTECTED/PERMITTED PHASE
- ← ⊙ * → PEDESTRIAN PHASE
- ← ⊙ OL → OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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	4.0
PED. SIGNAL	-	20	100	-
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 =				371.8

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W CENTER CT
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: TIM COSLET
 PHONE: (815) 724-5010
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

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.

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

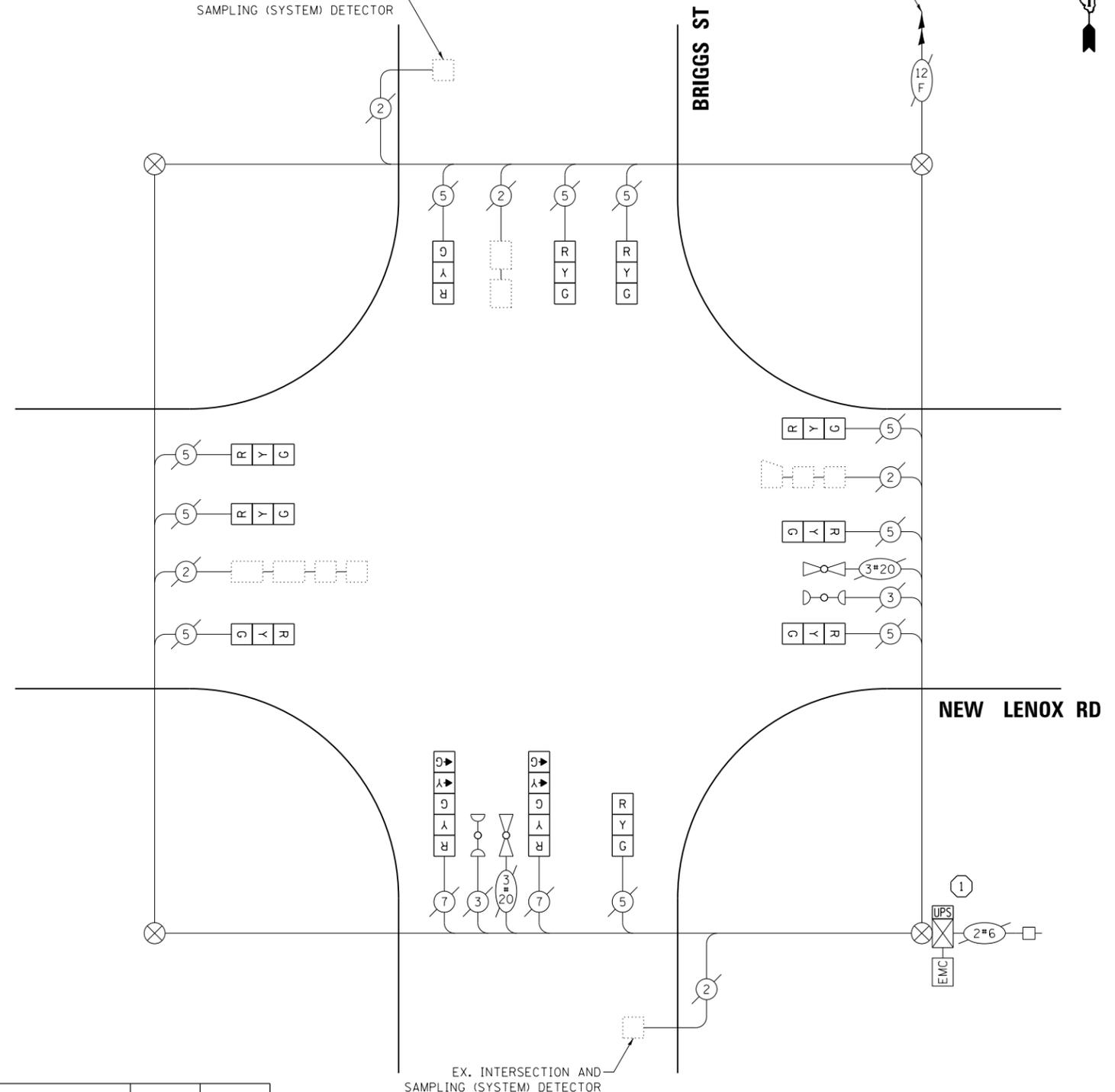
- ① ANY ADDITIONAL WOODEN PLATFORM FOR THE UPS SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL".

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	10
SIGNAL HEAD ,LED, 1-FACE 5-SECTION, SPAN WIRE MOUNTED	EACH	2
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

EX. INTERSECTION AND SAMPLING (SYSTEM) DETECTOR

EX. INTERCONNECT TO I-80 SOUTH RAMPS



CABLE PLAN
(NOT TO SCALE)

FILE NAME = ...
 USER NAME = plascencia
 DESIGNED - IP
 REVISIONS: 4/29/2016
 CHECKED - AK
 DATE - 3/15/2016

REVISIONS: 4/29/2016
 CHECKED - AK
 DATE - 3/15/2016

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 NEW LENOX RD AT BRIGGS ST**

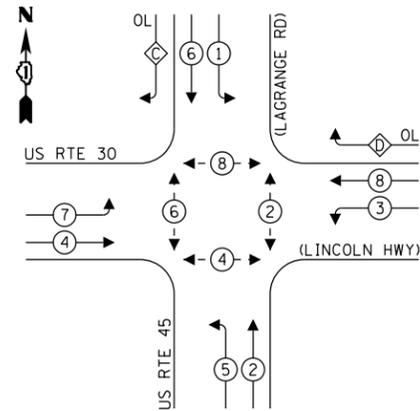
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	31
				CONTRACT NO. 62A56

**TS 7388
 ECON 134**

ILLINOIS FED. AID PROJECT

EXISTING CONTROLLER SEQUENCE



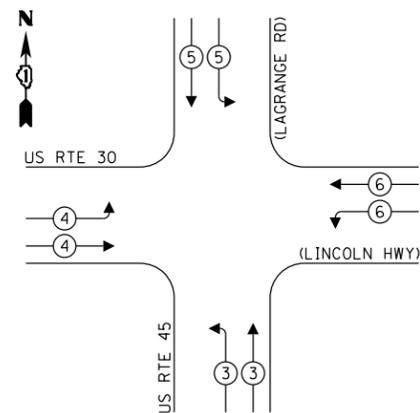
LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
C	= 6 +	7
D	= 8 +	1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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 FRANKFORT
432 W NEBRASKA ST
FRANKFORT, IL 60423

ENERGY SUPPLY: CONTACT: TIM COSLET
PHONE: (815) 724-5010
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

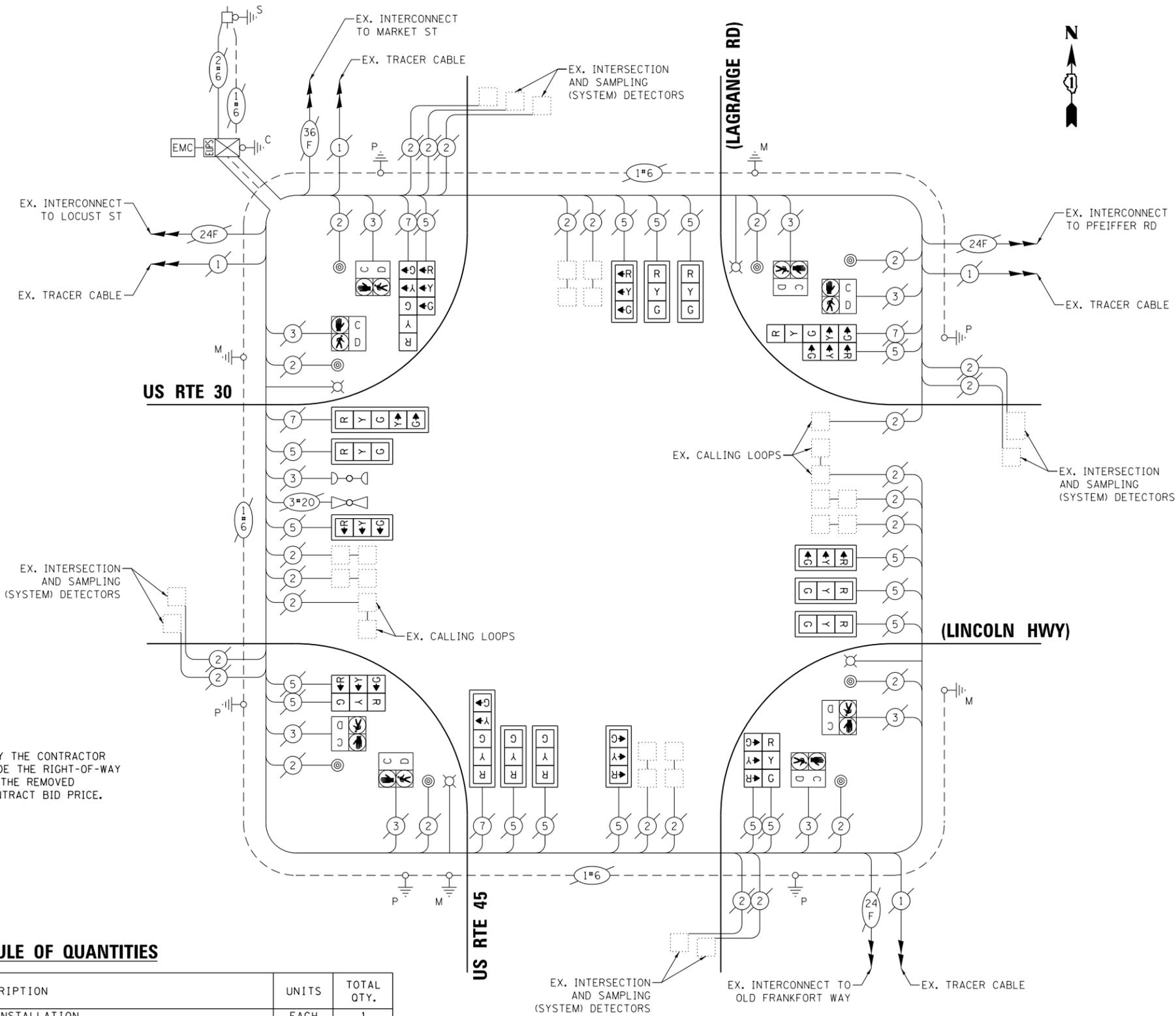
REMOVAL NOTES:

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
- 4 EACH 5-SECTION SIGNAL HEAD
- 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



CABLE PLAN (NOT TO SCALE)

FILE NAME = USER NAME = plascencia
p:\1\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI24915\Traffic\DI24915-sht-ts-02.dgn
DRAWN BY =
PLOT SCALE = 40.0000' / in.
PLOT DATE = 4/28/2016

DESIGNED - IP
CHECKED - AK
DATE - 3/15/2016
REVISED - 4/29/2016
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 30 (LINCOLN HWY) AT US RTE 45 (LAGRANGE RD)

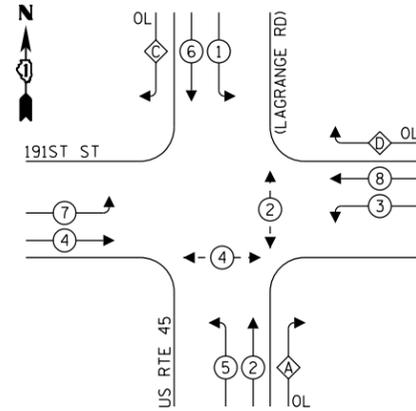
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	32

CONTRACT NO. 62A56
ILLINOIS FED. AID PROJECT

TS 7415
ECON 144

EXISTING CONTROLLER SEQUENCE



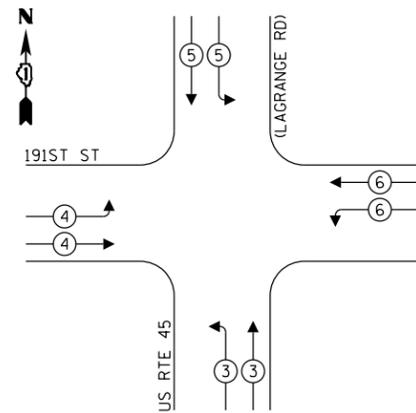
LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 +	3
C	= 6 +	7
D	= 8 +	1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



NOTE:

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

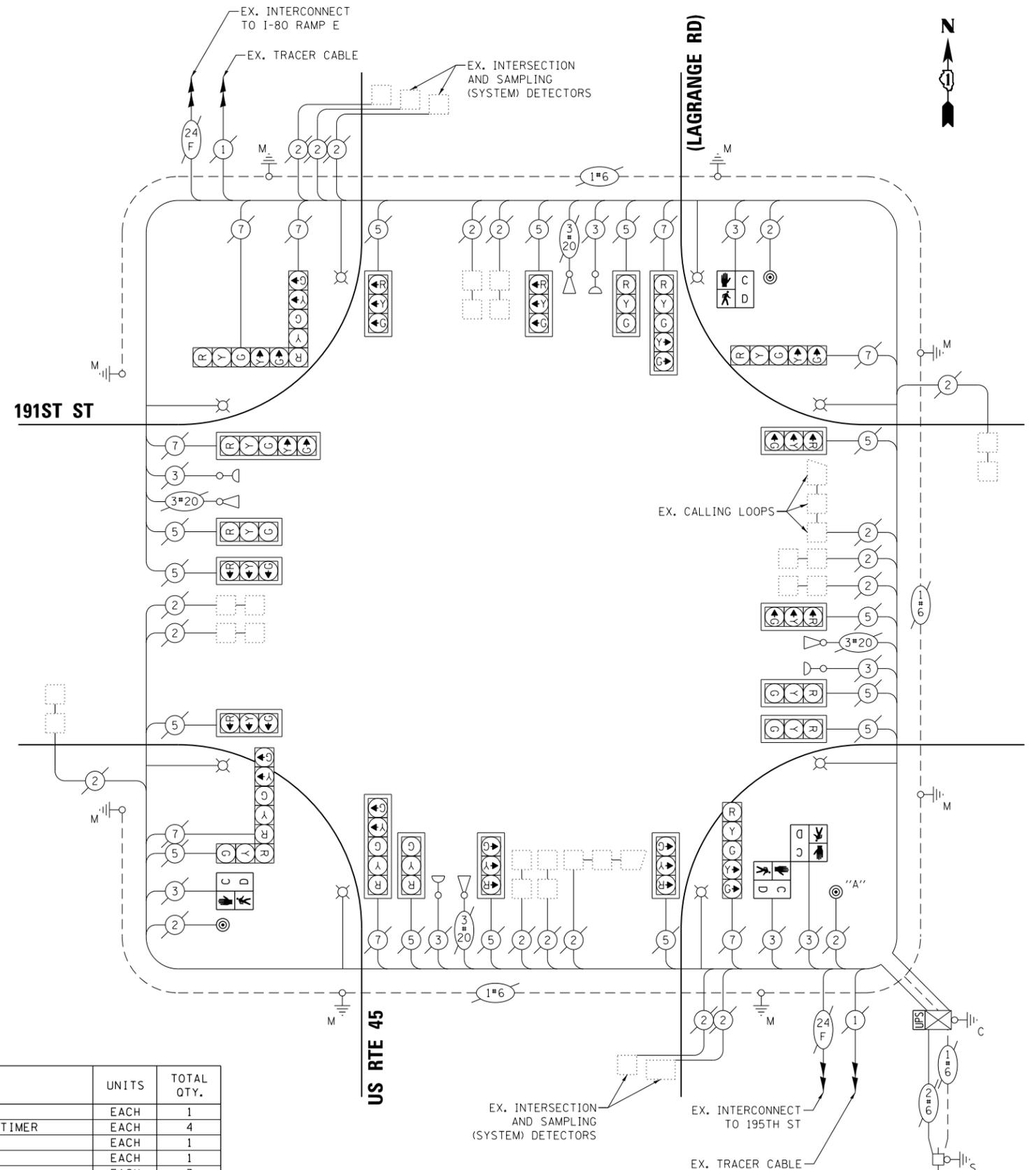
REMOVAL NOTES:

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.

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

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	4
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	3
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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 MOKENA
11004 CARPENTER ST
MOKENA, IL 60448

ENERGY SUPPLY: CONTACT: TIM COSLET
PHONE: (815) 724-5010
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

FILE NAME = USER NAME = plascencia
p:\work\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI24915\Traffic\24915-sht-ts-02.dgn
DRAWN BY =
PLOT SCALE = 40.0000' / in.
PLOT DATE = 4/28/2016

DESIGNED - IP
REVISED - 4/29/2016
CHECKED - AK
DATE - 3/15/2016

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

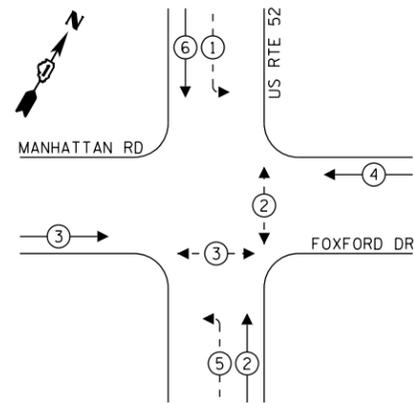
**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 45 (LAGRANGE RD) AT 191ST ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.
VAR. 2015-003TS VARIOUS 59 33
CONTRACT NO. 62A56
ILLINOIS FED. AID PROJECT

**TS 7480
ECON 144**

EXISTING CONTROLLER SEQUENCE



LEGEND:

- ←* PROTECTED PHASE
- ←*-* PROTECTED/PERMITTED PHASE
- ←*→ PEDESTRIAN PHASE
- ↔ OL OVERLAP



REMOVAL NOTES:

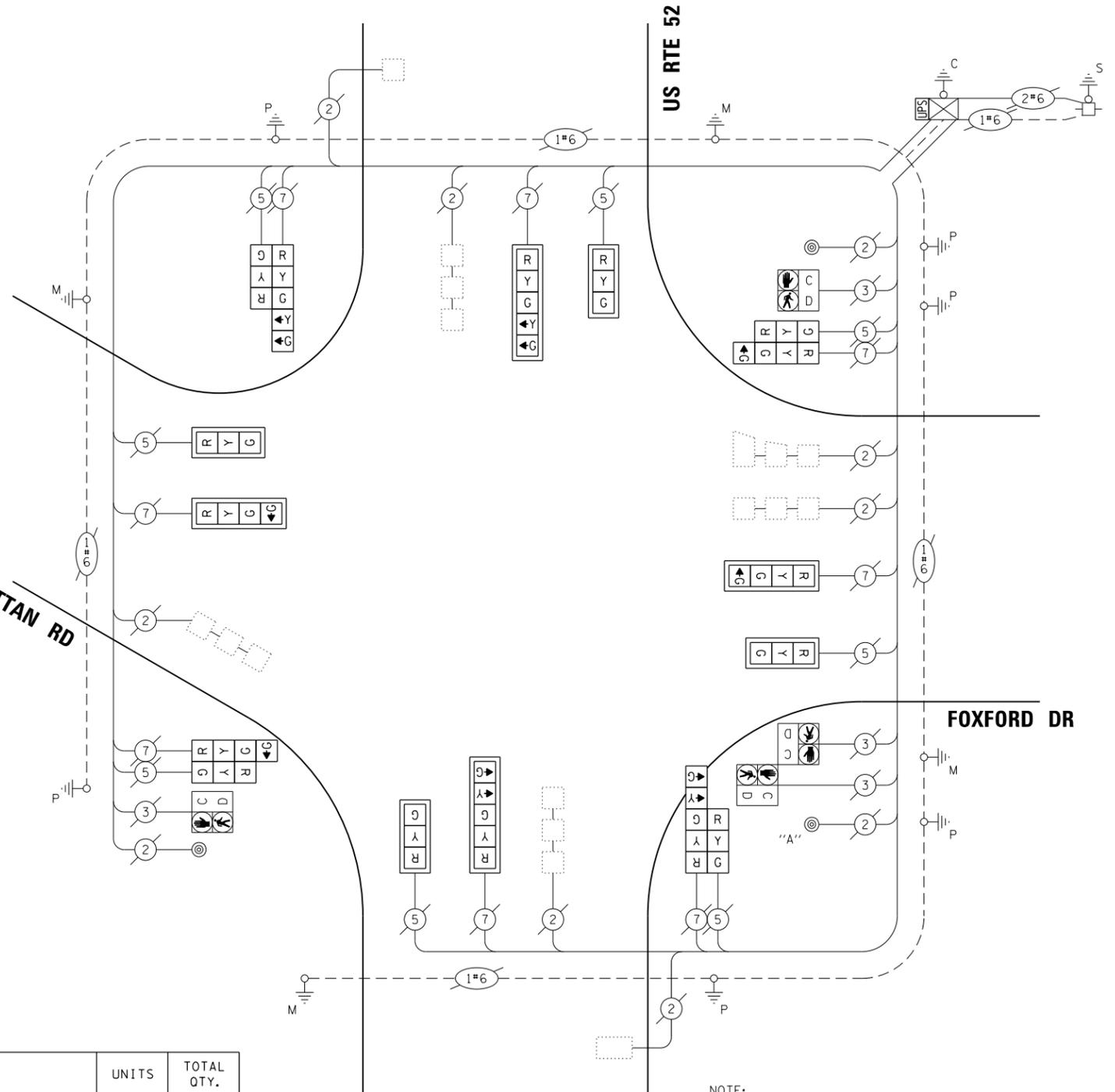
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

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

CABLE PLAN
(NOT TO SCALE)



NOTE:
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 3

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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	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 =				425.0

ENERGY COSTS TO:
VILLAGE OF MANHATTAN
245 S STATE ST
MANHATTAN, IL 60442
ENERGY SUPPLY: CONTACT: TIM COSLET
PHONE: (815) 724-5010
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

FILE NAME = USER NAME = plascencia
PLOT SCALE = 40.0000' / in.
PLOT DATE = 4/28/2016

DESIGNED - IP
REVISED - 4/29/2016
CHECKED - AK
DATE - 3/15/2016

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

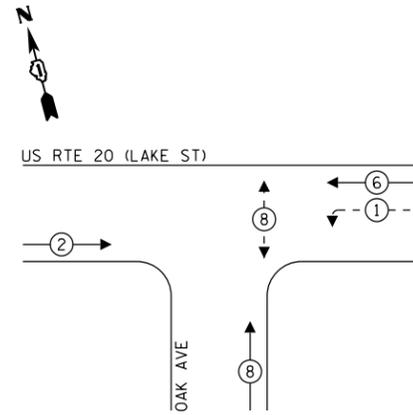
**SCHEDULE OF QUANTITIES, CABLE PLAN,
AND PHASE DESIGNATION DIAGRAM
US RTE 52 AT MANHATTAN RD /FOXFORD DR**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	34
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				

TS 7386

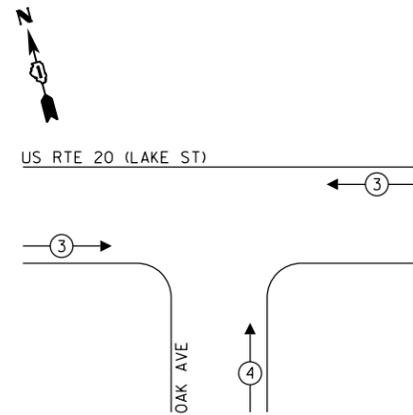
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ←(*) PROTECTED PHASE
- ←-(*)- PROTECTED/PERMITTED PHASE
- ←-(*)→ PEDESTRIAN PHASE
- ←(OL) OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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

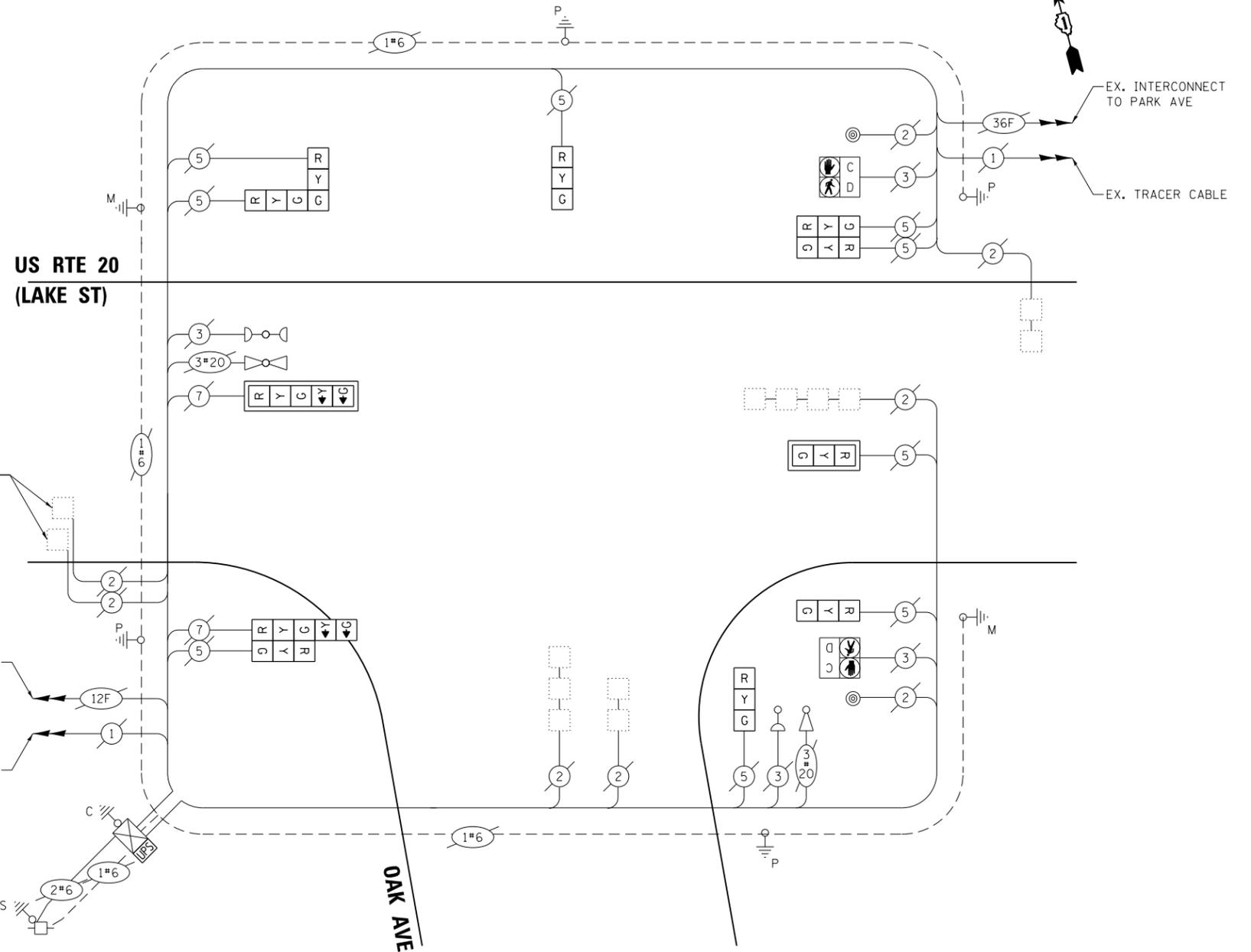
ENERGY COSTS TO:

VILLAGE OF BARTLETT
228 S MAIN STREET
BARTLETT, IL 60103

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

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



CABLE PLAN
(NOT TO SCALE)

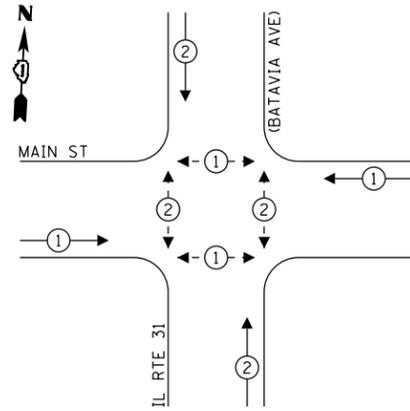
REMOVAL NOTES:

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.

- 9 EACH 3-SECTION SIGNAL HEAD
- 2 EACH 5-SECTION SIGNAL HEAD
- 2 EACH TRAFFIC SIGNAL BACKPLATE

TS 1325
EAGLE 5F

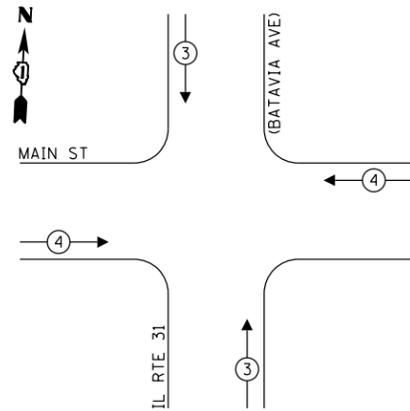
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

**EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



REMOVAL NOTES:

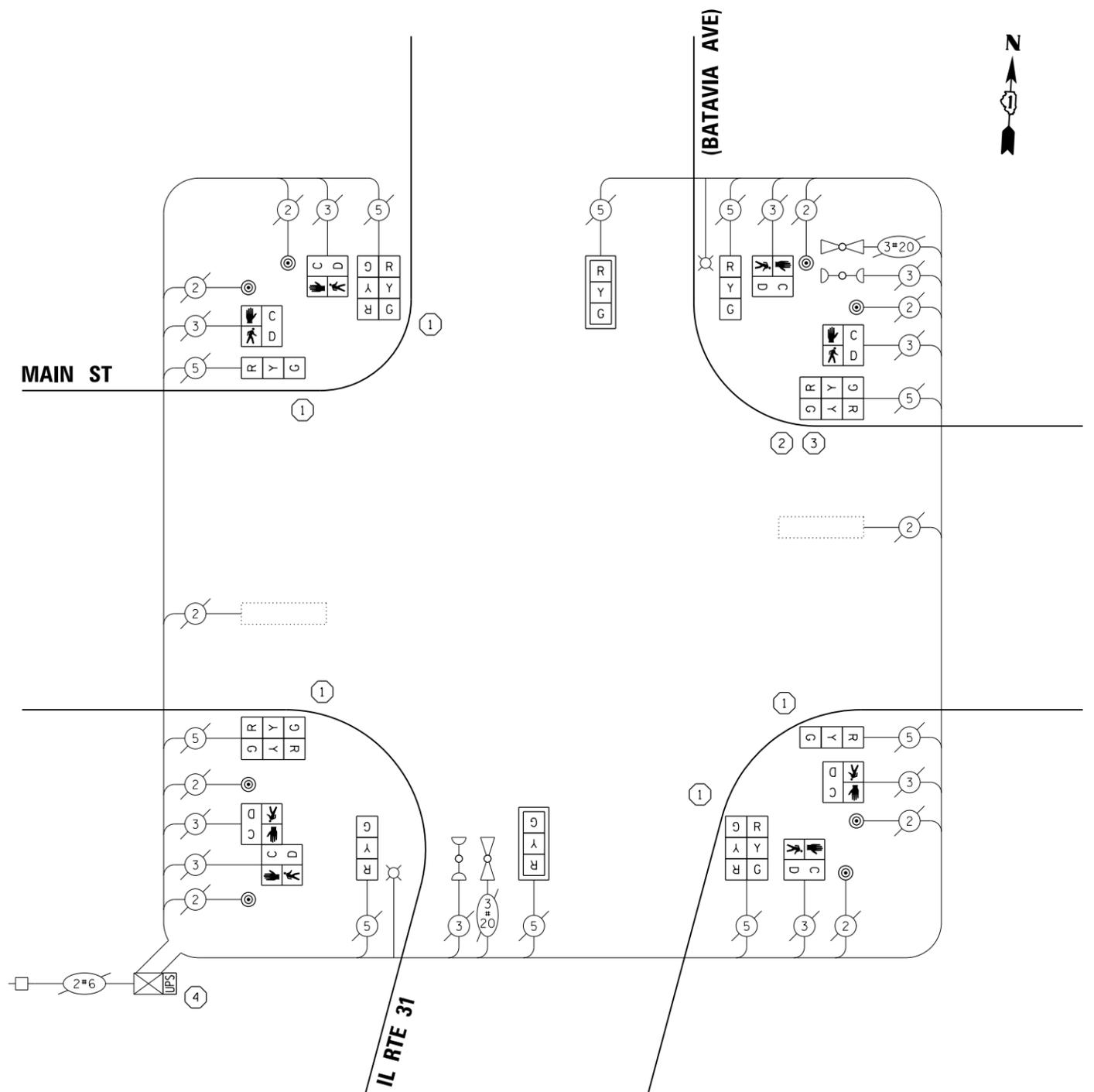
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 6 EACH TRAFFIC SIGNAL POST
- 14 EACH 3-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 8 EACH PEDESTRIAN PUSH-BUTTON
- 2 EACH TRAFFIC SIGNAL BACKPLATE

- ① REPLACE THE 14 FT PAINTED POST. RE-USE THE EXISTING TYPE A CONCRETE FOUNDATION.
- ② REPLACE THE 18 FT PAINTED POST. RE-USE THE EXISTING TYPE A CONCRETE FOUNDATION.
- 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".
- ④ THE UPS CABINET SHALL NOT BE MORE THAN 17"W X 17"D 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".

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



CABLE PLAN
(NOT TO SCALE)

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

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	-	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 BATAVIA
100 NORTH ISLAND AVE
BATAVIA, IL 60510
ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

FILE NAME = USER NAME = plascencia
DESIGNED - IP REVISIONS: 4/29/2016
DRAWN BY: Traffic 124915-sht-ts-02.dgn
CHECKED - AK REVISIONS:
PLOT SCALE = 40.0000' / in.
DATE - 4/15/2016
PLOT DATE = 4/28/2016

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 31 (BATAVIA AVE) AT MAIN ST**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	37
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				

TS 4640

SCALE: SHEET OF SHEETS STA. TO STA.

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



**MOOSEHEART
ENTRANCE**

IL RTE 31



CABLE PLAN
(NOT TO SCALE)

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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 DEPARTMENT OF TRANSPORTATION
201 W CENTER CT
SCHAUMBURG, IL 60196
ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
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

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED - 4/29/2016
pw\1\084EBID\TEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI249\Drawings\Traffic\24915-sht-ts-02.dgn		CHECKED - AK	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE - 4/15/2016	REVISED -
	PLOT DATE = 4/28/2016		

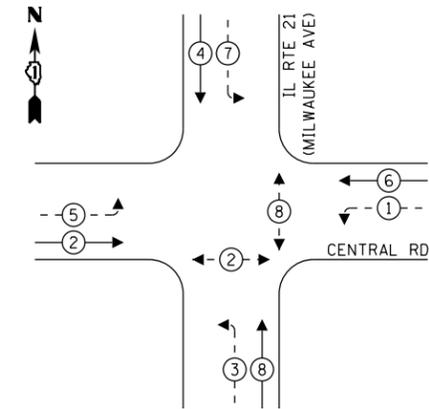
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES AND CABLE PLAN IL RTE 31 AT MOOSEHEART ENTRANCE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	38
CONTRACT NO. 62A56				ILLINOIS FED. AID PROJECT

FL 170

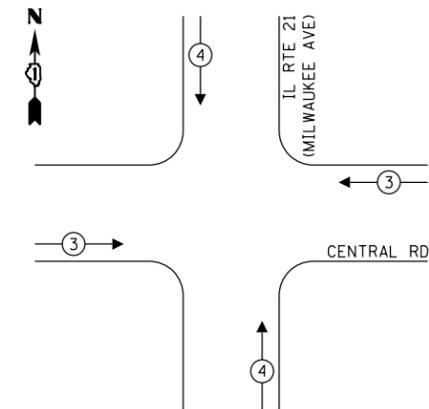
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

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	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 =				387.6

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W CENTER CT
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: TERI BLECK
 PHONE: (847) 816-5239
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

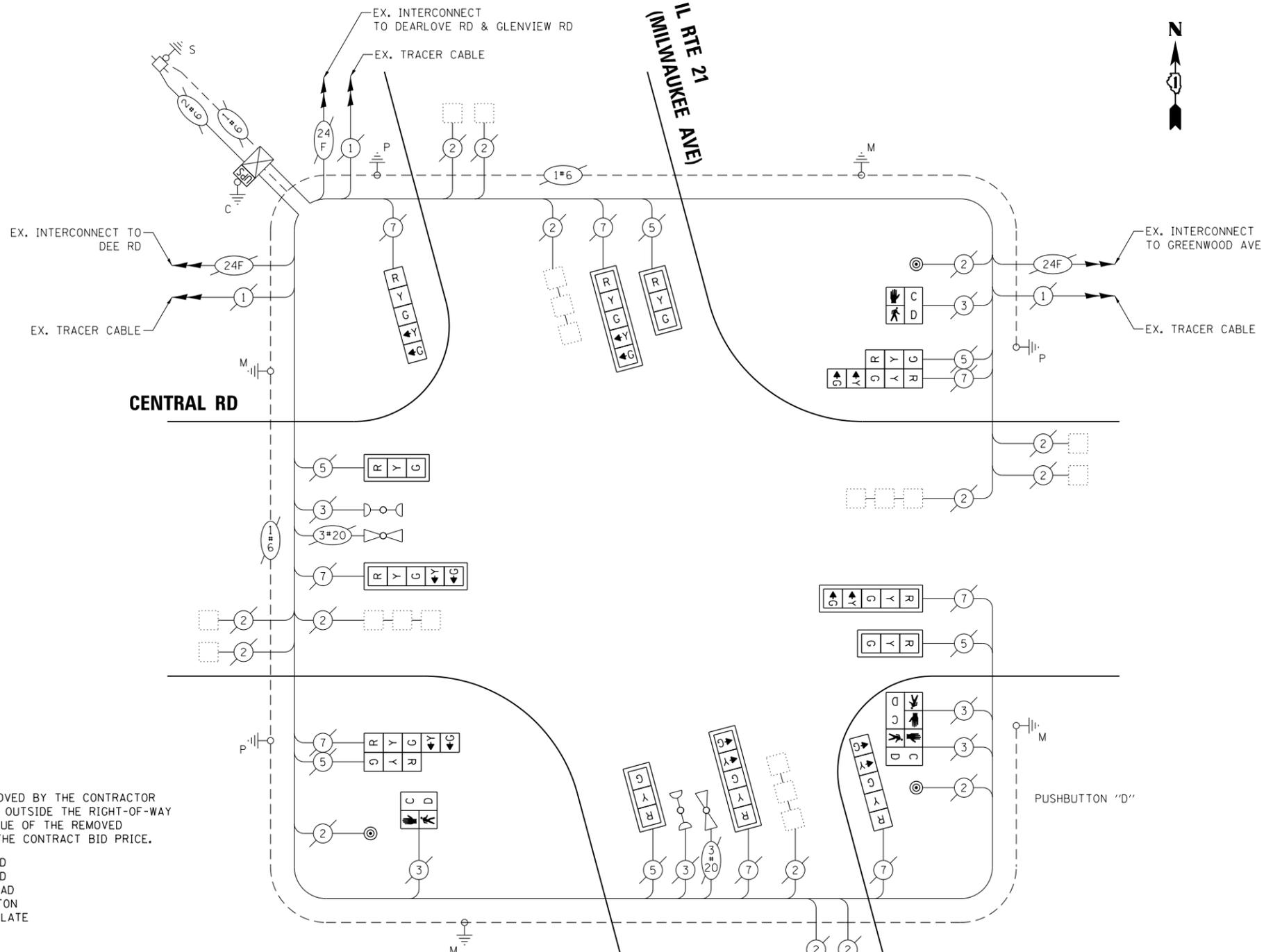
REMOVAL NOTES:

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.

- 6 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 3 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	2
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	4
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	3
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1



CABLE PLAN
(NOT TO SCALE)

NOTES:

PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

FILE NAME = USER NAME = pociechal
 DESIGNED - LP
 REVISIONS:
 REVISIONS:
 REVISIONS:
 REVISIONS:
 PLOT SCALE = 40.0000' / in.
 CHECKED - IP
 DATE - 04/29/2016
 PLOT DATE = 4/27/2016

DESIGNED - LP
 REVISIONS:
 REVISIONS:
 REVISIONS:
 REVISIONS:
 CHECKED - IP
 DATE - 04/29/2016

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL RTE 21 (MILWAUKEE AVE) AT CENTRAL RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	40
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				

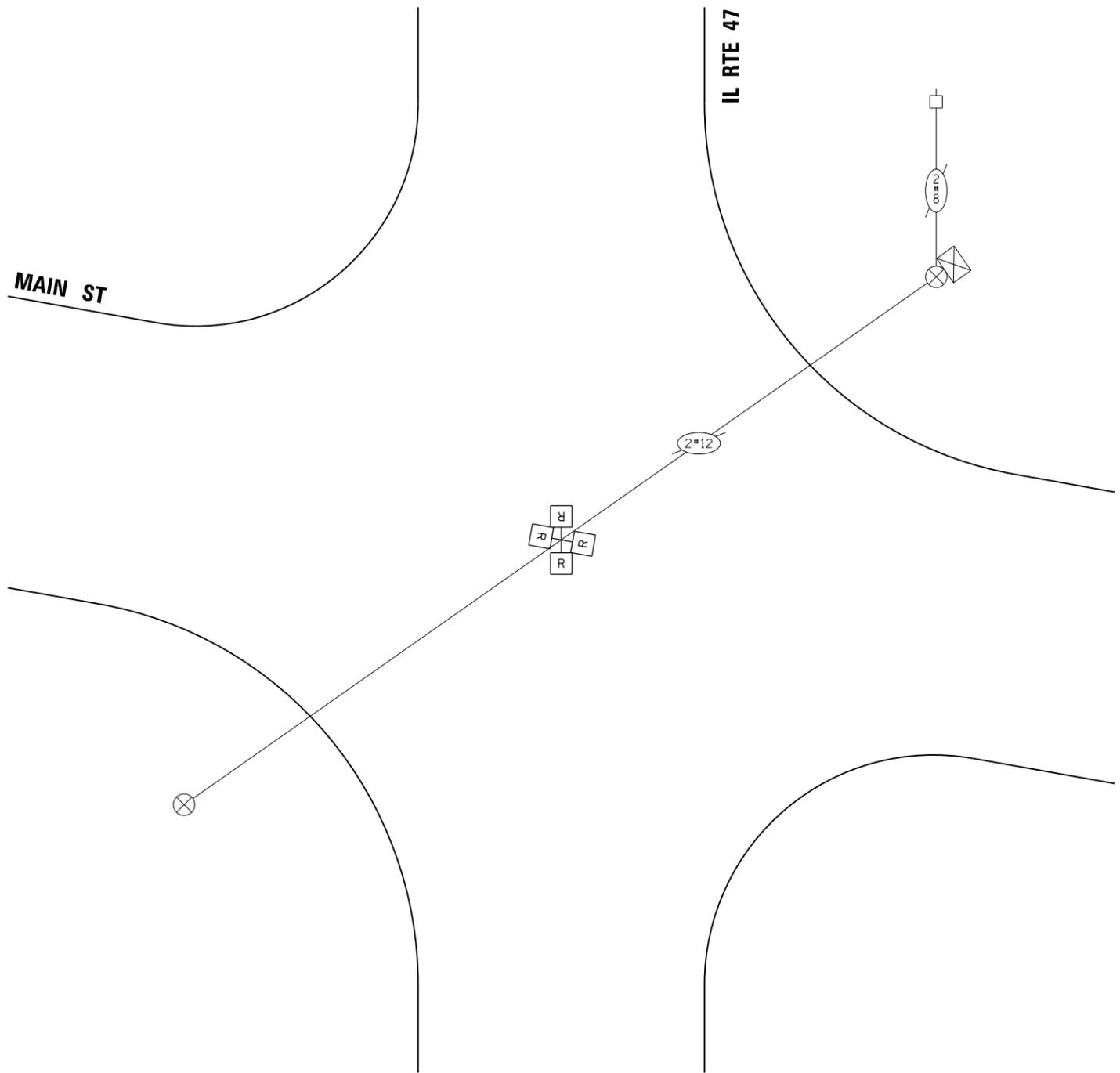
**TS 2005
 EAGLE 7H**



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



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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

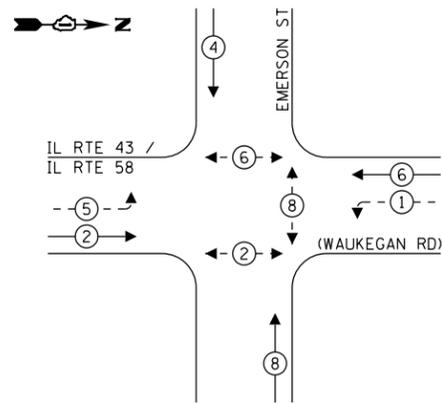
ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER CT
SCHAUMBURG, IL 60196
ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

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

FL 210

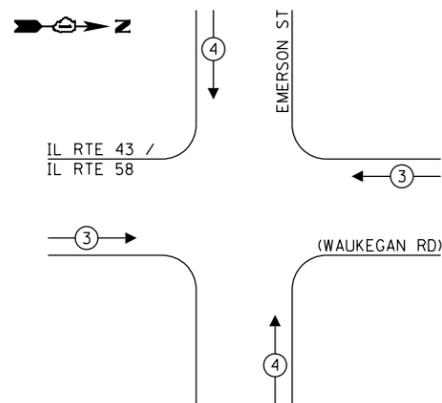
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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 DEPARTMENT OF TRANSPORTATION
 201 W CENTER CT
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: TERI BLECK
 PHONE: (847) 816-5239
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

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.

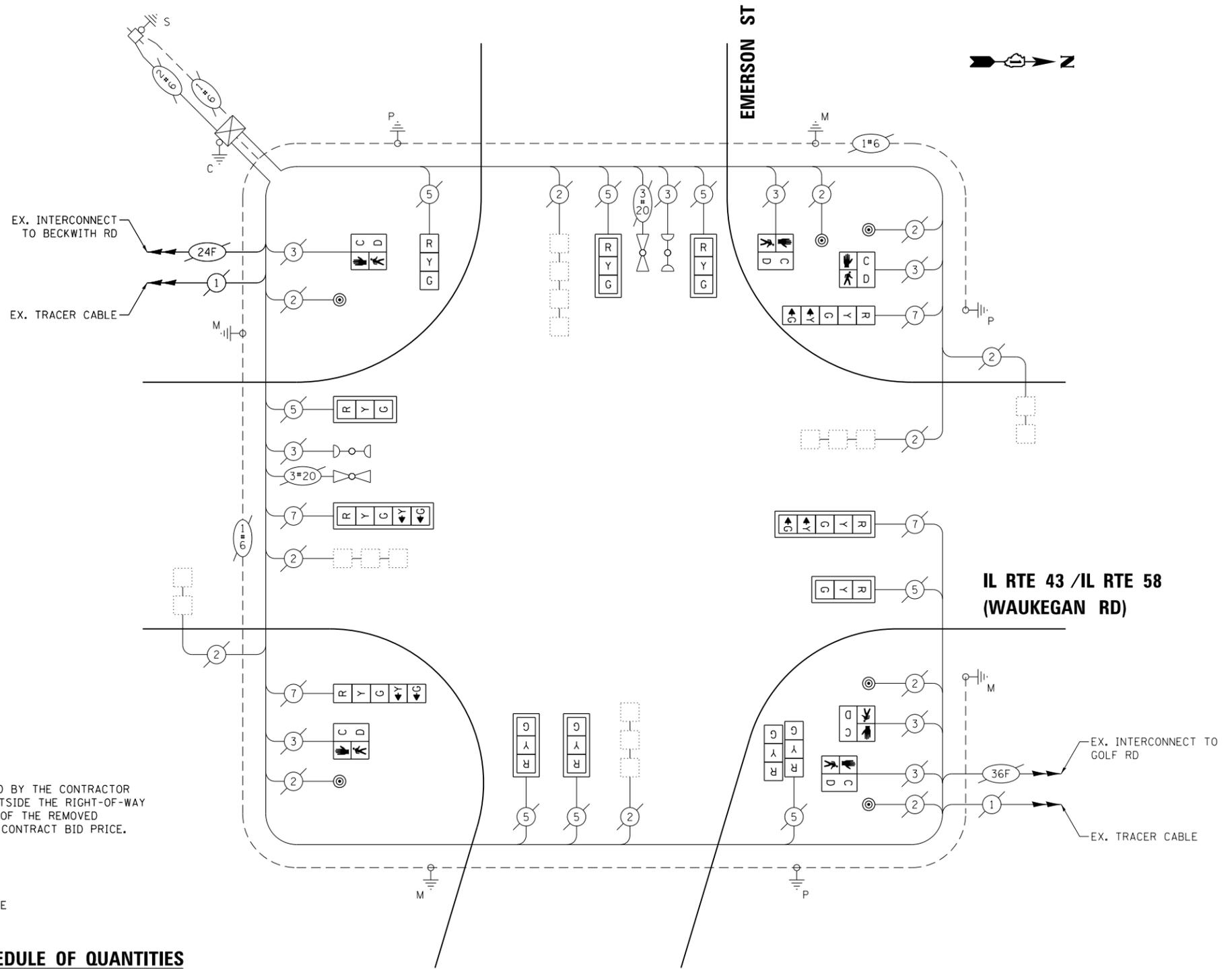
- 8 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 6 EACH PEDESTRIAN SIGNAL HEAD
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 8 EACH TRAFFIC SIGNAL BACKPLATE

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	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

CABLE PLAN

(NOT TO SCALE)



FILE NAME = USER NAME = pociechal
 DESIGNED - LP
 REVISIONS:
 REVISIONS:
 PLOT SCALE = 40.0000' / in.
 CHECKED - IP
 REVISIONS:
 PLOT DATE = 4/27/2016
 DATE - 04/29/2016
 REVISIONS:

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

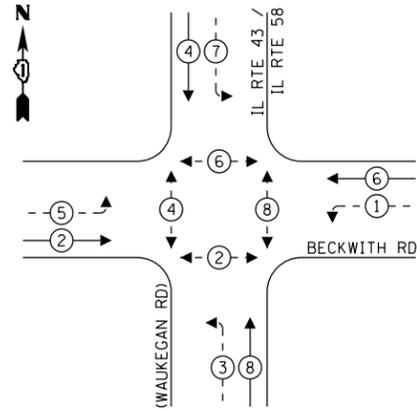
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL RTE 43 / IL RTE 58 (WAUKEGAN RD) AT EMERSON ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	42
				CONTRACT NO. 62A56
ILLINOIS FED. AID PROJECT				

TS 14275
 ECON 8

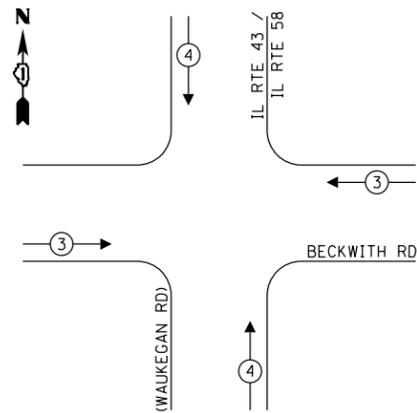
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← OL → OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



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.

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

DESIGNED - LP

REVISED -

REVISIONS

CHECKED - IP

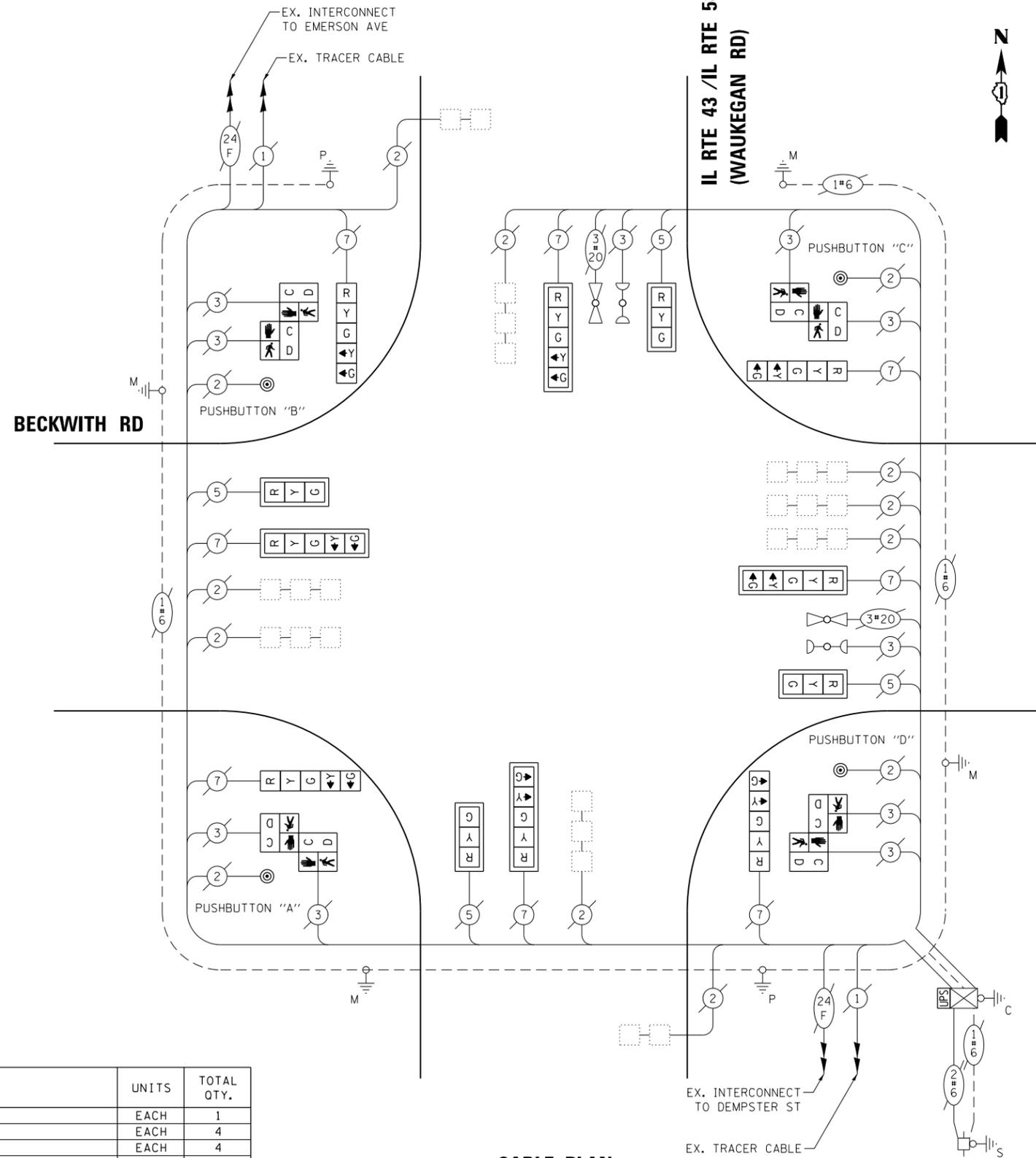
REVISED -

DATE - 04/29/2016

REVISED -

DATE - 04/29/2016

CABLE PLAN
 (NOT TO SCALE)



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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 DEPARTMENT OF TRANSPORTATION
 201 W CENTER CT
 SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: TERI BLECK
 PHONE: (847) 816-5239
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

FILE NAME =	USER NAME = pociechal
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**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL RTE 43 /IL RTE 58 (WAUKEGAN RD) AT BECKWITH RD**

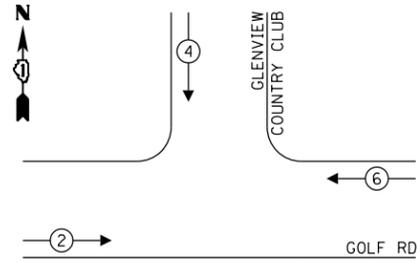
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	43
CONTRACT NO. 62A56				

TS 14280
 ECON 8

ILLINOIS FED. AID PROJECT

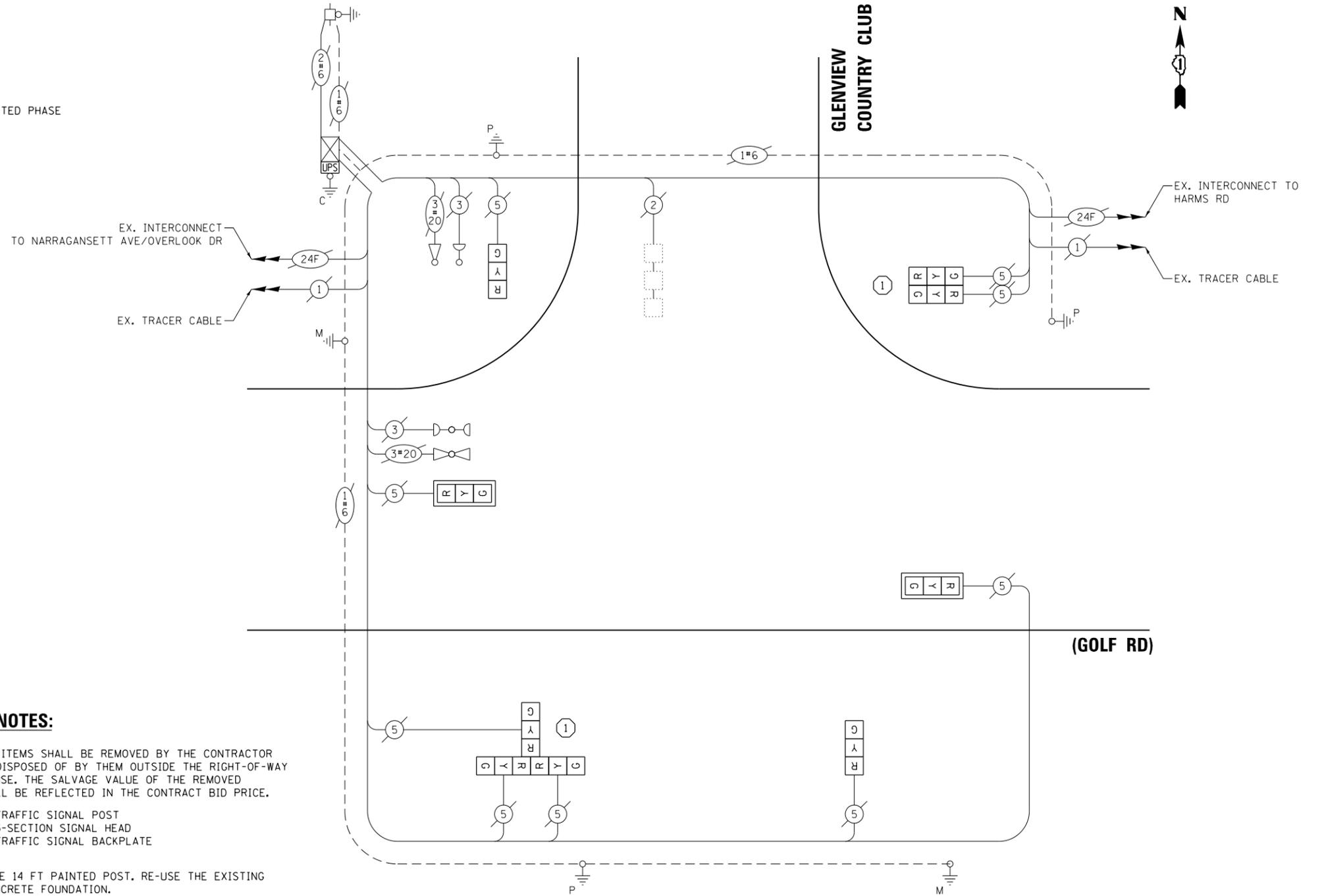
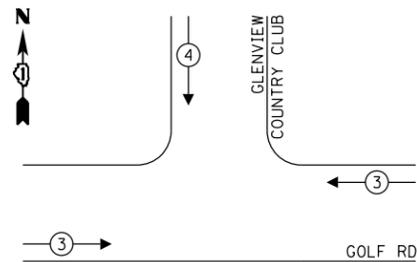
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- OL OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



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.

- 2 EACH TRAFFIC SIGNAL POST
- 9 EACH 3-SECTION SIGNAL HEAD
- 2 EACH TRAFFIC SIGNAL BACKPLATE

① REPLACE THE 14 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	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE AND REPLACE ANCHOR BOLTS	EACH	2
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	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	-	10	10	-
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 =				232.1

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER CT
SCHAUMBURG, IL 60196
ENERGY SUPPLY: CONTACT: TERI BLECK
PHONE: (847) 816-5239
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

FILE NAME = USER NAME = pociechal
DESIGNED - LP
REVISED -
DRAWN -
REVISED -
PLOT SCALE = 40.0000' / in.
CHECKED - IP
REVISED -
DATE - 04/29/2016
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

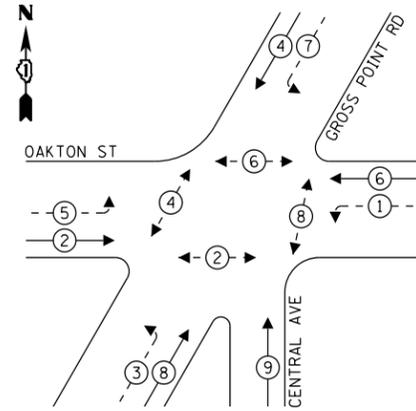
**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
GOLF RD AT GLENVIEW COUNTRY CLUB**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	44
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				

TS 5175
ECON 8

EXISTING CONTROLLER SEQUENCE



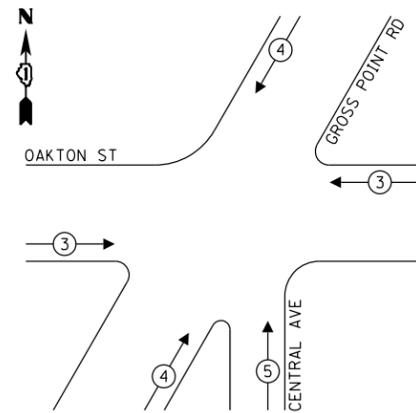
LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

NOTE:

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

**EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



EX. INTERSECTION
AND SAMPLING
(SYSTEM) DETECTORS

EX. INTERCONNECT
TO MENARD AVE

EX. TRACER CABLE

OAKTON ST

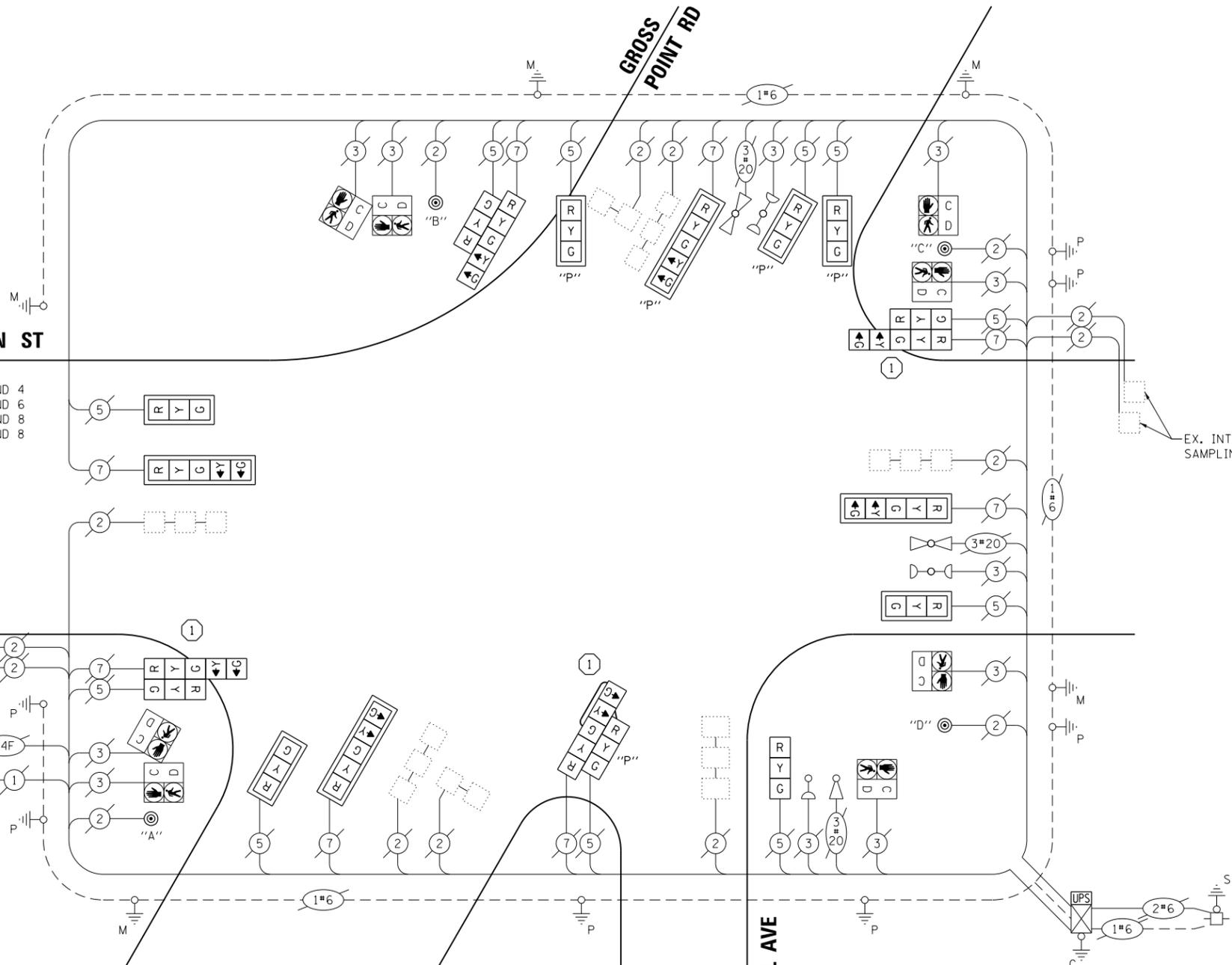
GROSS
POINT RD

CENTRAL AVE

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
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	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
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	3
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

**CABLE PLAN
(NOT TO SCALE)**



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

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

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	19	11	50	104.5
(YELLOW)	19	20	5	19.0
(GREEN)	19	12	45	102.6
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 =				527.1

ENERGY COSTS TO:

VILLAGE OF MORTON GROVE
 6101 CAPULINA AVE
 MORTON GROVE, IL 60053

ENERGY SUPPLY: CONTACT: TERRI BLECK
 PHONE: (847) 816-5239
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

FILE NAME =	USER NAME = plascencia
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

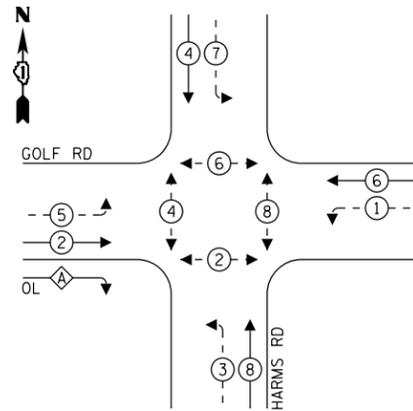
**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
OAKTON ST AT GROSS POINT RD /CENTRAL AVE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	45
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				

**TS 5255
EAGLE 80**

EXISTING CONTROLLER SEQUENCE



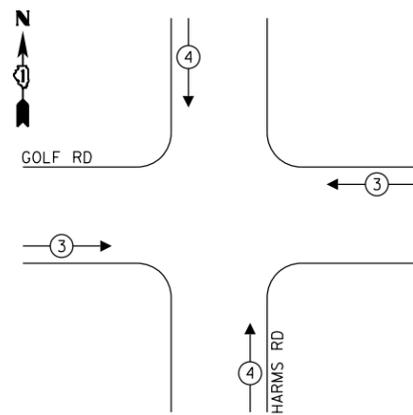
LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



REMOVAL NOTES:

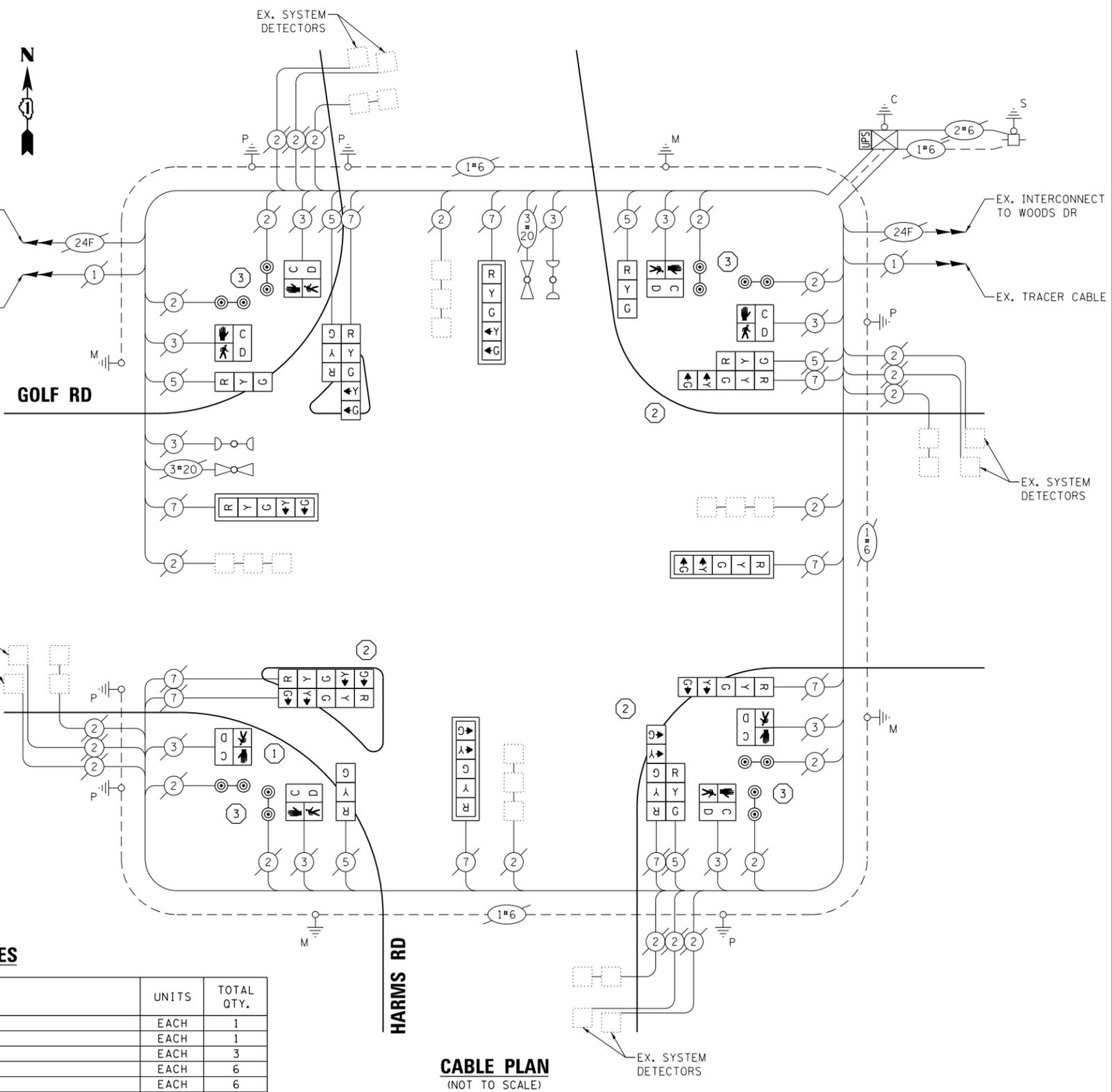
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

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

- ① REPLACE THE 10 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.
- ③ AN ADDITIONAL PUSH-BUTTON SHALL BE INSTALLED AT THE LOCATIONS WHERE ONLY ONE PUSH-BUTTON IS PRESENT. ALL LOCATIONS SHOULD HAVE TWO PUSH-BUTTONS - ONE MOUNTED AT PEDESTRIAN HEIGHT AND ONE MOUNTED AT EQUESTRIAN HEIGHT. ANY ADDITIONAL 2/C JUMPER CABLE REQUIRED SHALL BE INCLUDED IN THE PAY ITEM "PEDESTRIAN PUSH-BUTTON".

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
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	16
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE AND REPLACE ANCHOR BOLTS	EACH	4
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	20	10	10	20.0
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 =				495.4

ENERGY COSTS TO:

VILLAGE OF MORTON GROVE
6101 CAPULINA AVE
MORTON GROVE, IL 60053

ENERGY SUPPLY: CONTACT: TERRI BLECK
PHONE: (847) 816-5239
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

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	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

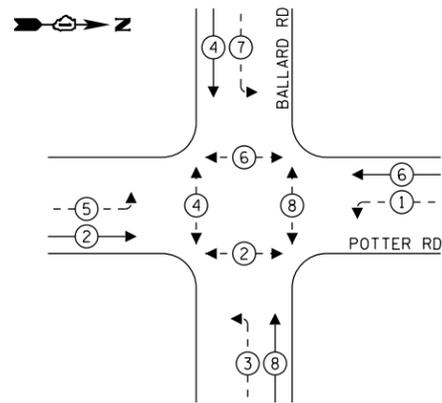
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
GOLF RD AT HARMS RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	46
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				

TS 5155
ECON 8

EXISTING CONTROLLER SEQUENCE



LEGEND:

- ←*→ PROTECTED PHASE
- ←-*- PROTECTED/PERMITTED PHASE
- ←*→ PEDESTRIAN PHASE
- ←*→ OL OVERLAP

NOTES:

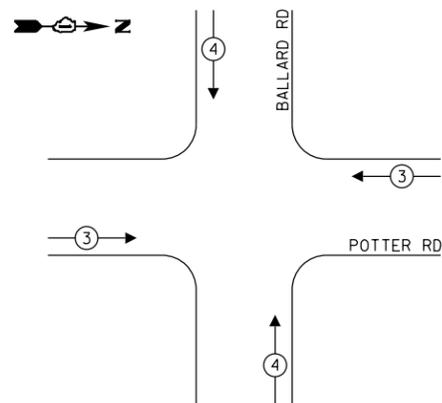
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
 PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
 PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.
 PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

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.

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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 DEPARTMENT OF TRANSPORTATION
 201 W CENTER CT
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: TERI BLECK
 PHONE: (847) 816-5239
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

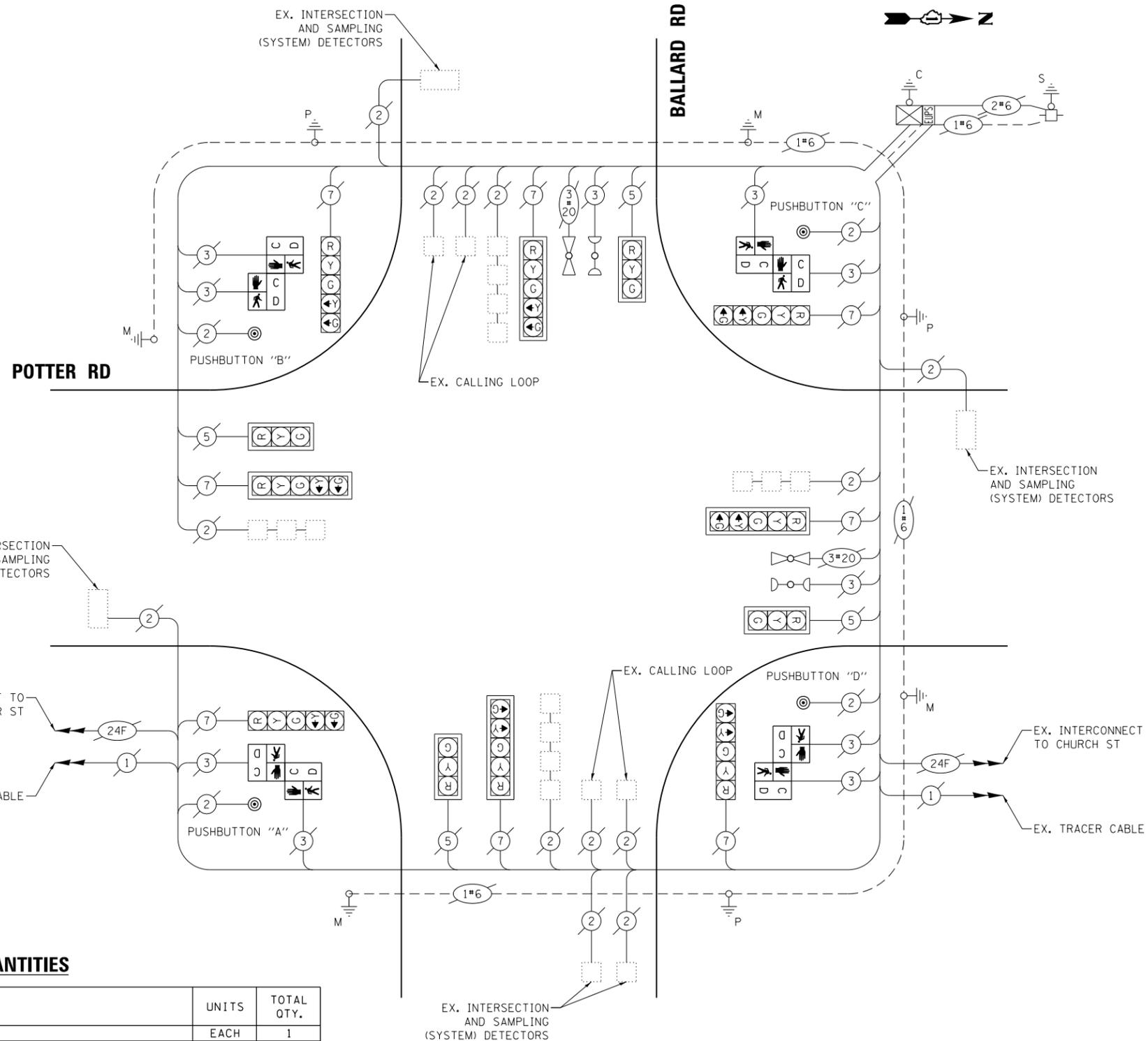
ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	4

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FILE NAME = USER NAME = pociechal
 DESIGNED - LP REVISIONS -
 pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI24915-sht-ts-04.dgn
 DRAWN - Traffic\DI24915-sht-ts-04.dgn REVISIONS -
 PLOT SCALE = 40.0000' / in. CHECKED - IP REVISIONS -
 DATE - 04/29/2016 REVISIONS -

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 BALLARD RD AT POTTER RD

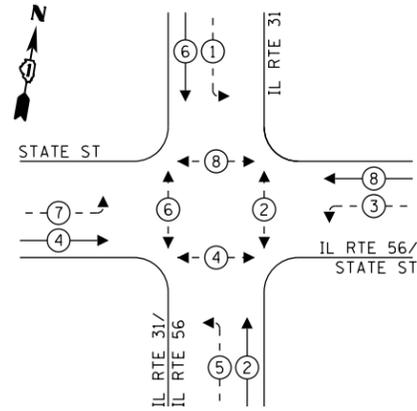
F.A.P. SECTION COUNTY TOTAL SHEETS SHEET NO.
 RE. 2015-003TS VARIOUS 59 47
 CONTRACT NO. 62A56
 ILLINOIS FED. AID PROJECT



CABLE PLAN
 (NOT TO SCALE)

TS 4155
 ECON 74

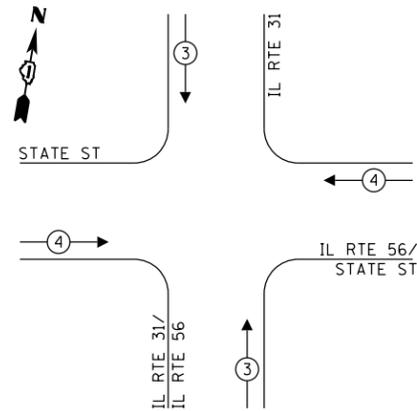
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ⊙ PROTECTED PHASE
- ⊙- - PROTECTED/PERMITTED PHASE
- ⊙- - PEDESTRIAN PHASE
- ⊙ OL OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



REMOVAL NOTES:

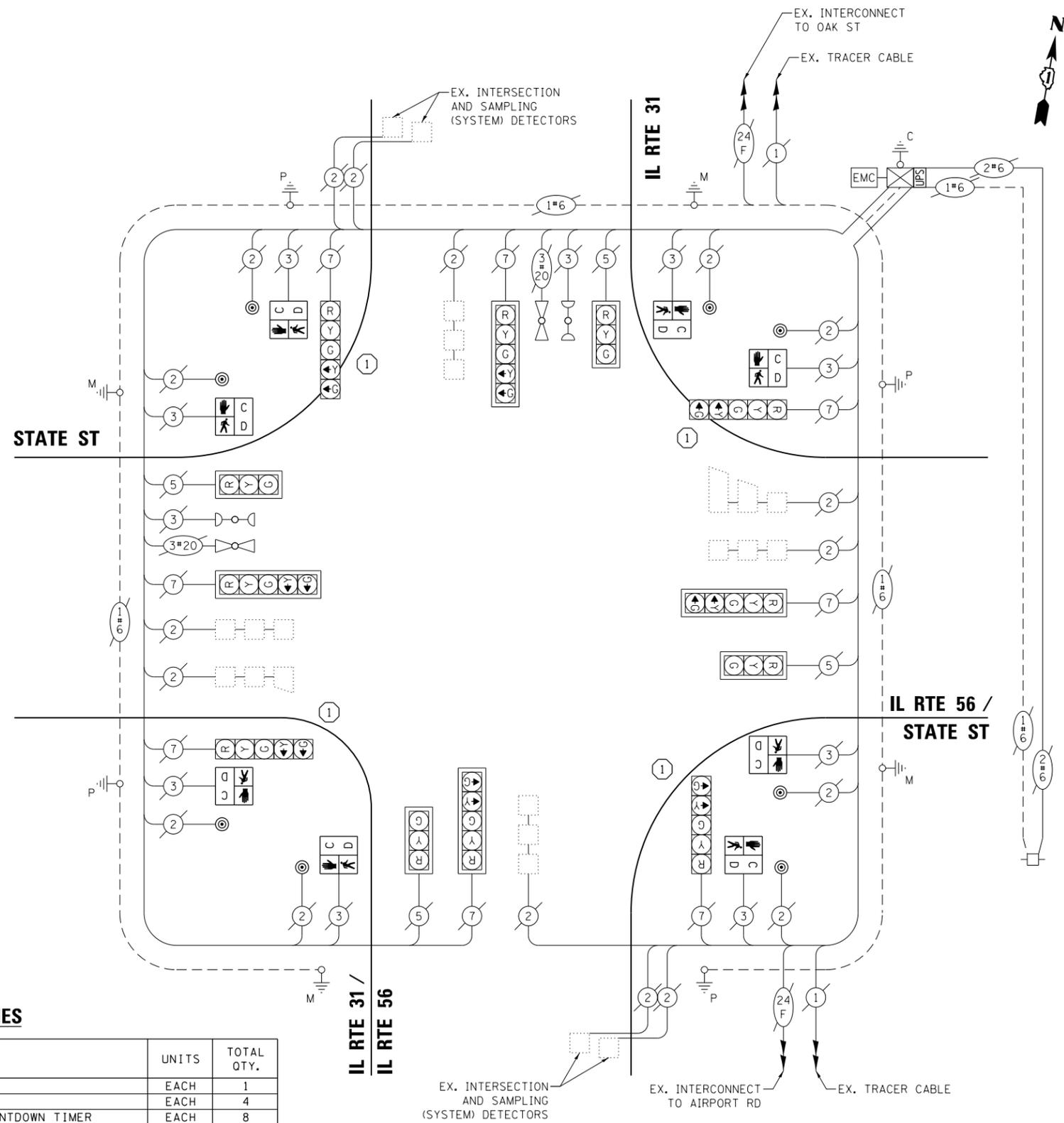
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

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

- ① 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 16 FT.	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	8
PEDESTRIAN PUSH-BUTTON	EACH	8
RELOCATE EXISTING SIGNAL HEAD	EACH	4
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE AND REPLACE ANCHOR BOLTS	EACH	4
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED - 4/29/2016
pw:\IL084EBID\INTEG\illinois.gov\PIW001\Documents\DOT Offices\District 1\Projects\DI24915\Traffic\DI24915-sht-ts-02.dgn		CHECKED - AK	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE - 4/15/2016	REVISED -
	PLOT DATE = 4/28/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

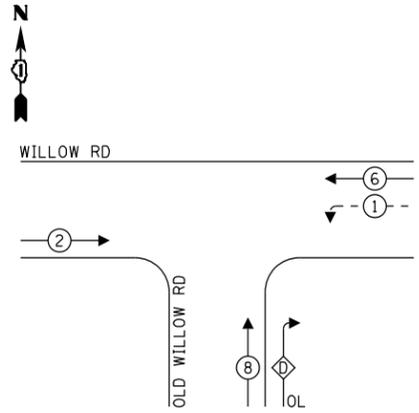
**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 31 / IL RTE 56 AT IL RTE 56 / STATE ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	48
			CONTRACT NO. 62A56	
ILLINOIS FED. AID PROJECT				

**TS 11483
EAGLE 8P**

EXISTING CONTROLLER SEQUENCE



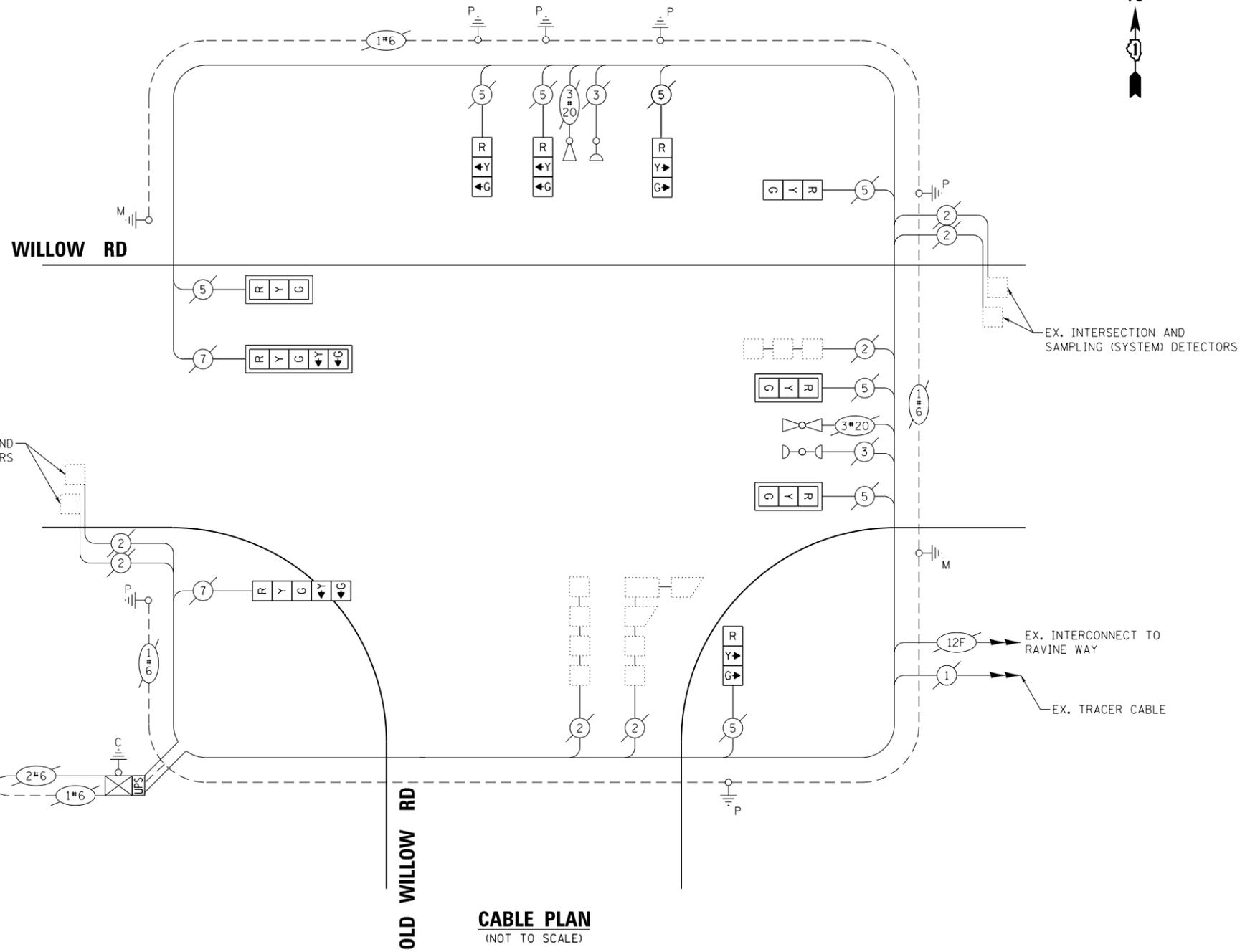
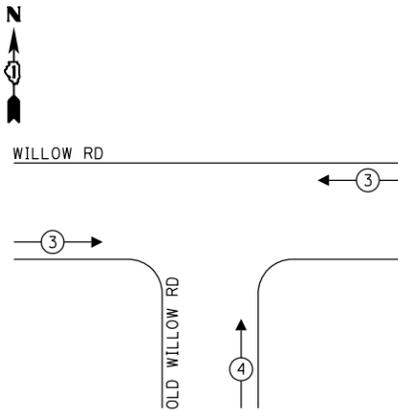
LEGEND:

- ←*→ PROTECTED PHASE
- ←-*- PROTECTED/PERMITTED PHASE
- ←*→ PEDESTRIAN PHASE
- ←*→ OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE
 D = 8 + 1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN
(NOT TO SCALE)

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	5
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	4
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

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
- 2 EACH 5-SECTION SIGNAL HEAD
- 4 EACH TRAFFIC SIGNAL BACKPLATE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55.0
(YELLOW)	10	20	5	10.0
(GREEN)	10	12	45	54.0
PERMISSIVE ARROW	10	10	10	10.0
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 =				254.0

ENERGY COSTS TO:

VILLAGE OF NORTHBROOK, IL
 1225 CEDAR LANE
 NORTHBROOK, IL 60062

ENERGY SUPPLY: CONTACT: TERRI BLECK
 PHONE: 847-816-5239
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

FILE NAME = USER NAME = plascencia
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 4/29/2016

DESIGNED - SS
 REVISIONS: 04/29/2016
 CHECKED - AK
 DATE - 04/27/2016

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE WILLOW ROAD AT OLD WILLOW ROAD

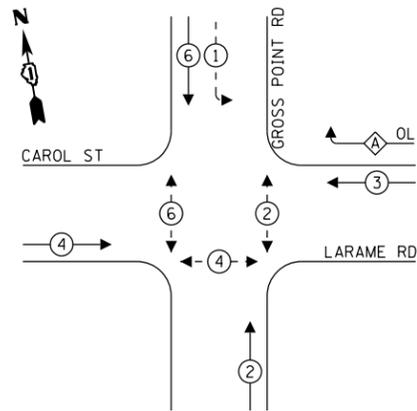
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	49
CONTRACT NO. 62A56				

TS 5930
 ECON 83

ILLINOIS FED. AID PROJECT

EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE
 A = 3 + 1

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.

- 12 EACH 3-SECTION SIGNAL HEAD
- 2 EACH 5-SECTION SIGNAL HEAD
- 2 EACH TRAFFIC SIGNAL BACKPLATE
- 6 EACH TRAFFIC SIGNAL POST
- 5 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.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

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
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
TOTAL =				475.6

ENERGY COSTS TO:

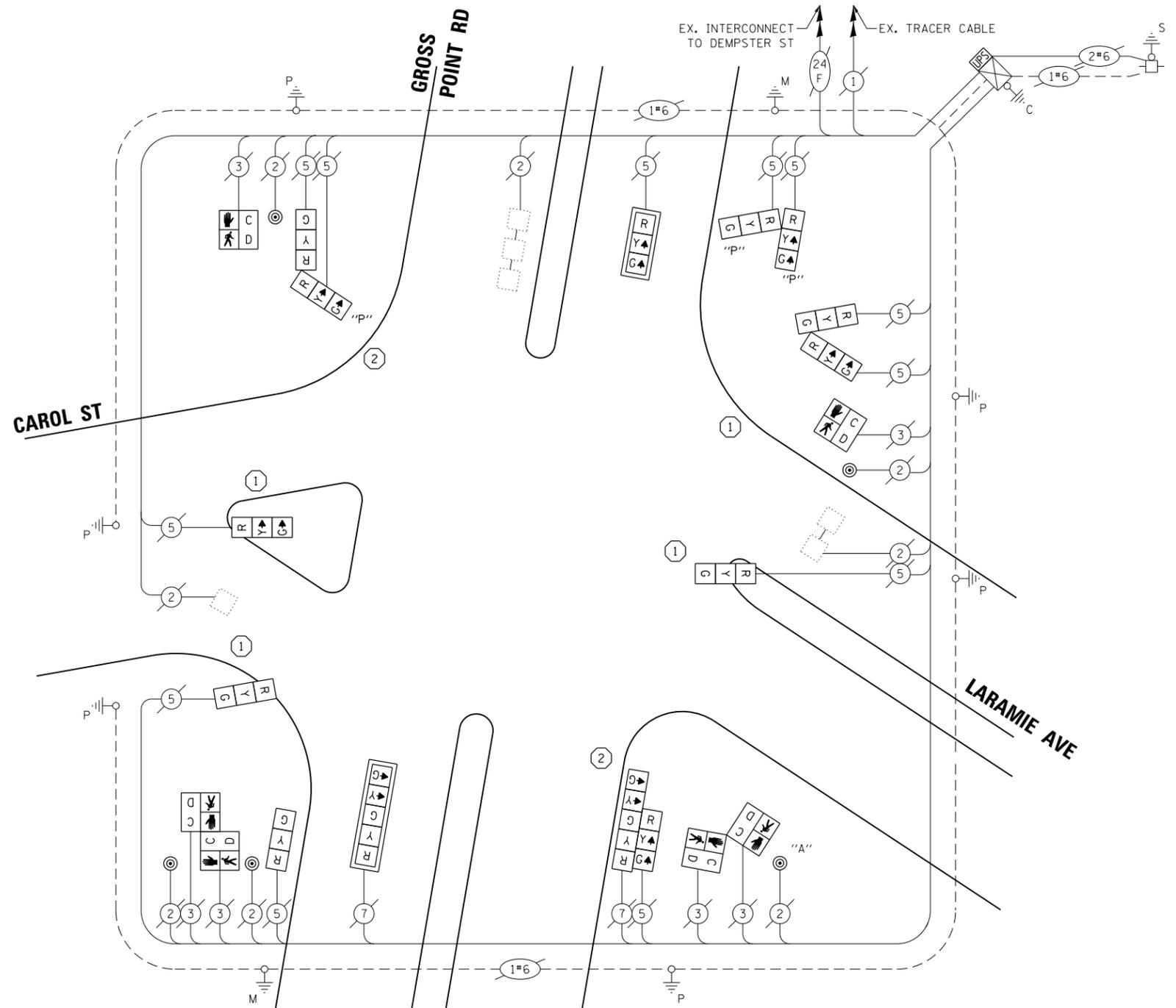
VILLAGE OF SKOKIE
 5127 OAKTON STREET
 SKOKIE, IL 60077

ENERGY SUPPLY: CONTACT: TERRI BLECK
 PHONE: 847-816-5239
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

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)



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

FILE NAME = pw\IL084EBIDINTEG.illinois.gov\PIWIDOTDocuments\DOT Offices\District 1\Projects\DI24915\Traffic\SI124915-sht-ts-03.dgn
 PLOT SCALE = 40.0000 ' / in.
 PLOT DATE = 4/29/2016

DESIGNED - SS REVISED - 04/29/2016
 CHECKED - AK REVISED -
 DATE - 4/27/2016 REVISED -

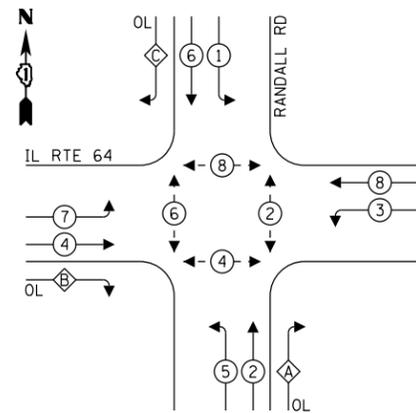
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN,
 AND PHASE DESIGNATION DIAGRAM**
GROSS POINT RD AT CAROL ST / LARAMIE AVE
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTÉ. SECTION COUNTY TOTAL SHEETS SHEET NO.
 VAR. 2015-003TS VARIOUS 59 50
 CONTRACT NO. 62A56
 ILLINOIS FED. AID PROJECT

**TS 5250
 ECON 17**

EXISTING CONTROLLER SEQUENCE



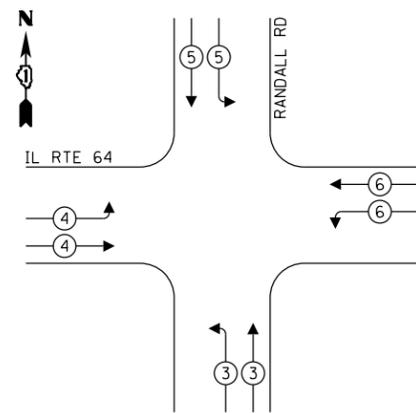
LEGEND:

- ⊙* PROTECTED PHASE
- ⊙*-- PROTECTED/PERMITTED PHASE
- ⊙*→ PEDESTRIAN PHASE
- ⊙* OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 +	3
B	= 4 +	5
C	= 6 +	7

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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	-	120	50	-
TOTAL =				708.8

ENERGY COSTS TO:

CITY OF ST. CHARLES
2 E MAIN ST
ST. CHARLES, IL 60174

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

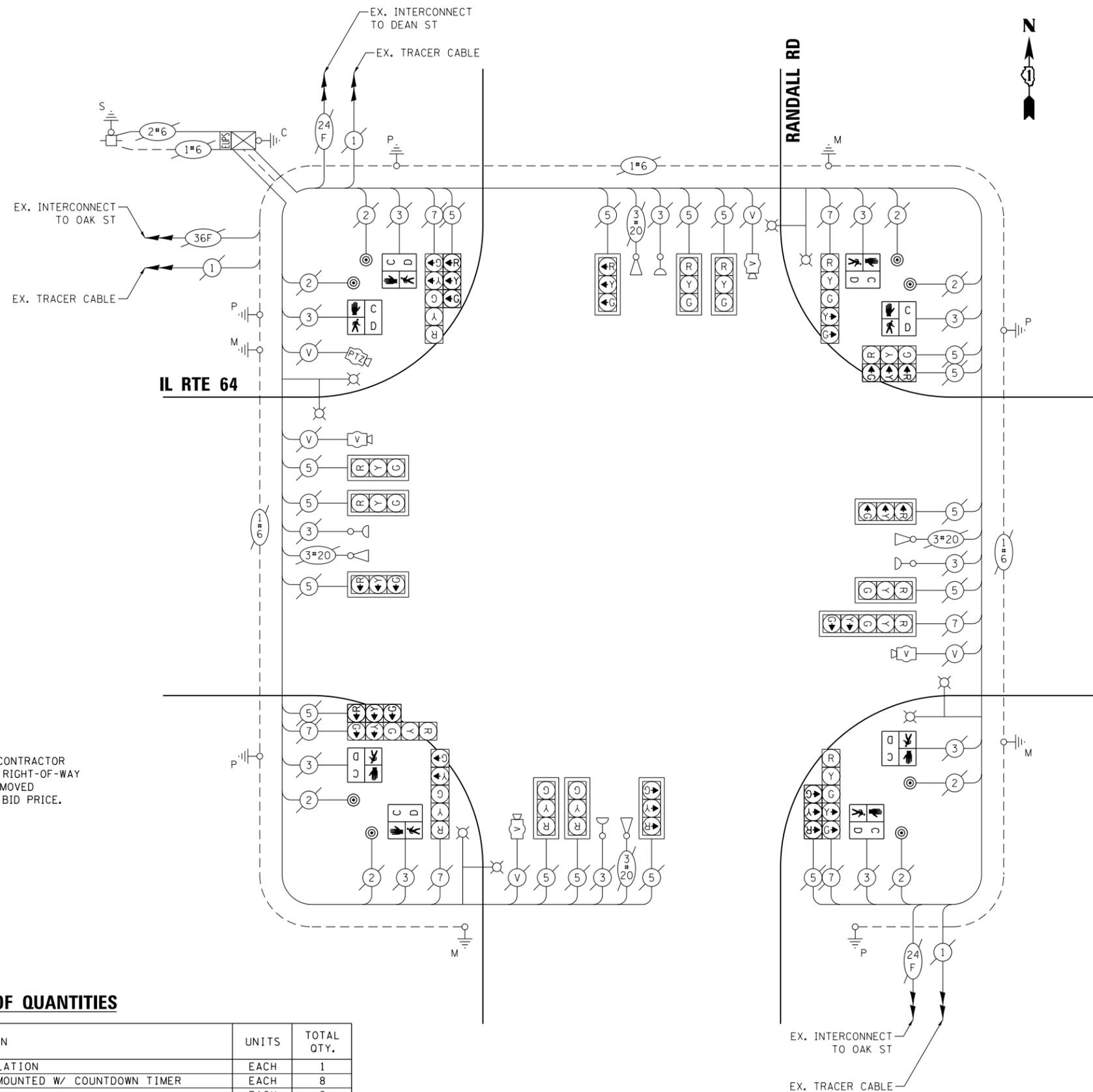
REMOVAL NOTES:

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 PEDESTRIAN SIGNAL HEAD
- 8 EACH PEDESTRIAN PUSH-BUTTON

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



CABLE PLAN
(NOT TO SCALE)

TS 875
EAGLE 2H

FILE NAME = USER NAME = plascencia
p:\IL\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI24915-15-sht-ts-02.dgn
DRAWN BY = Traffic
PLOT SCALE = 40.0000' / in.
PLOT DATE = 4/28/2016

DESIGNED - IP
CHECKED - AK
DATE - 4/15/2016
REVISED - 4/29/2016
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 64 AT RANDALL RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	53

CONTRACT NO. 62A56
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 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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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. CHARLES
2 E MAIN ST
ST. CHARLES, IL 60174

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

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED - 4/29/2016
p:\1\084EBID\INTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI249\Drawings\Traffic\DI24915-sht-ts-02.dgn		CHECKED - AK	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE - 4/15/2016	REVISED -
	PLOT DATE = 4/28/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

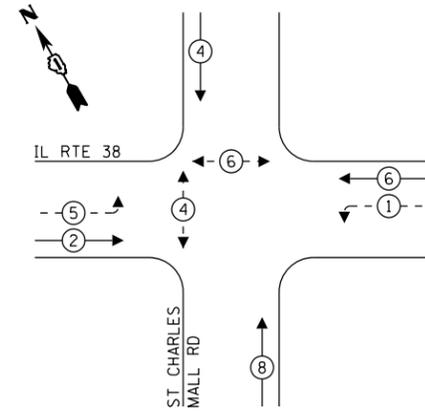
**SCHEDULE OF QUANTITIES
IL RTE 38 EASTBOUND AT ST CHARLES ILLINOIS YOUTH CENTER**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	54
			CONTRACT NO. 62A56	
ILLINOIS FED. AID PROJECT				

FL 857

EXISTING CONTROLLER SEQUENCE



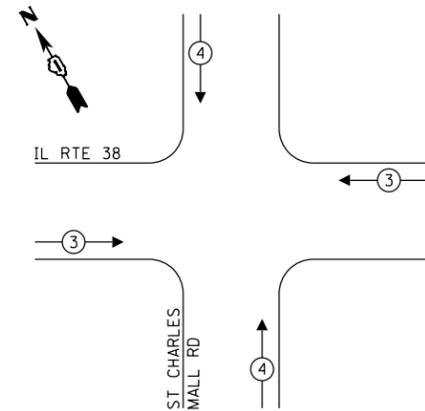
LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

NOTE:

PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL 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	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 =				355.8

ENERGY COSTS TO:

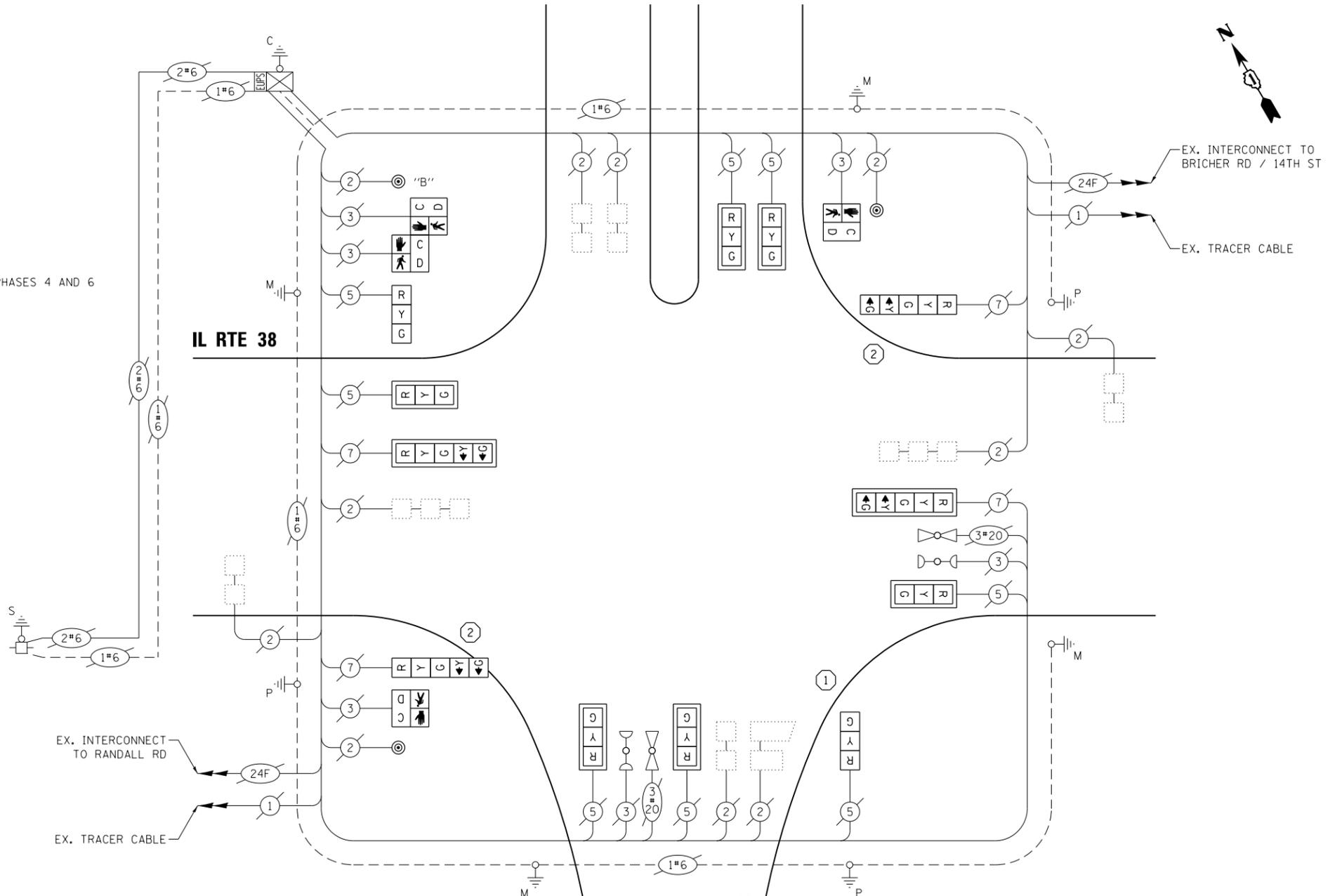
CITY OF ST. CHARLES
2 E MAIN ST
ST. CHARLES, IL 60174

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

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	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 W/ COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	3
REMOVE AND REPLACE ANCHOR BOLTS	EACH	3

CABLE PLAN
(NOT TO SCALE)



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

- 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.

TS 20390
EAGLE 2H

FILE NAME = USER NAME = ploresencia
p:\1\084EBIDINTEG.illinois.gov\PIW001Documents\DOT Offices\District 1\Projects\DI24915-sht-ts-02.dgn
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PLOT DATE = 4/28/2016

DESIGNED - IP
REVISOR - 4/29/2016
CHECKED - AK
DATE - 4/15/2016

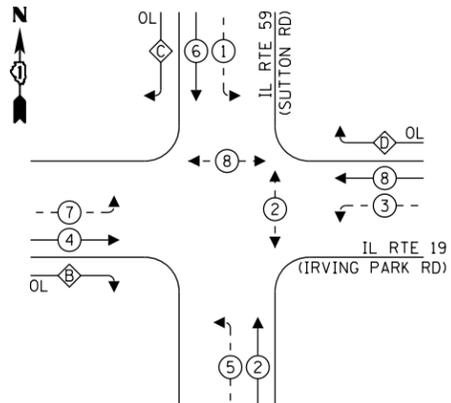
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 38 AT ST CHARLES MALL RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	55
CONTRACT NO. 62A56				
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



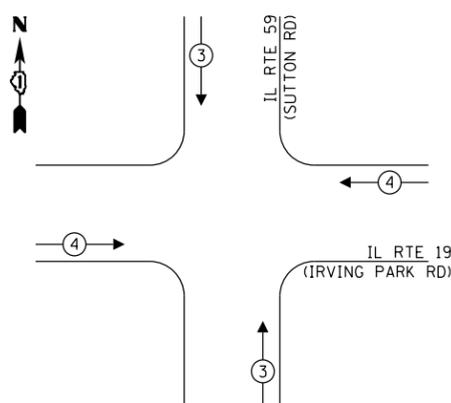
LEGEND:

- ←*→ PROTECTED PHASE
- ←-*- PROTECTED/PERMITTED PHASE
- ←*→ PEDESTRIAN PHASE
- ←*→ OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
C	= 6	+ 7
D	= 8	+ 1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	91.8
PERMISSIVE ARROW	28	10	10	28.0
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 =				428.8

ENERGY COSTS TO:
 VILLAGE OF STREAMWOOD
 301 E. IRVING PARK RD
 STREAMWOOD, IL 60107
 ENERGY SUPPLY: CONTACT: JOE STACHO
 PHONE: 630-424-5704
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

REMOVAL NOTES:

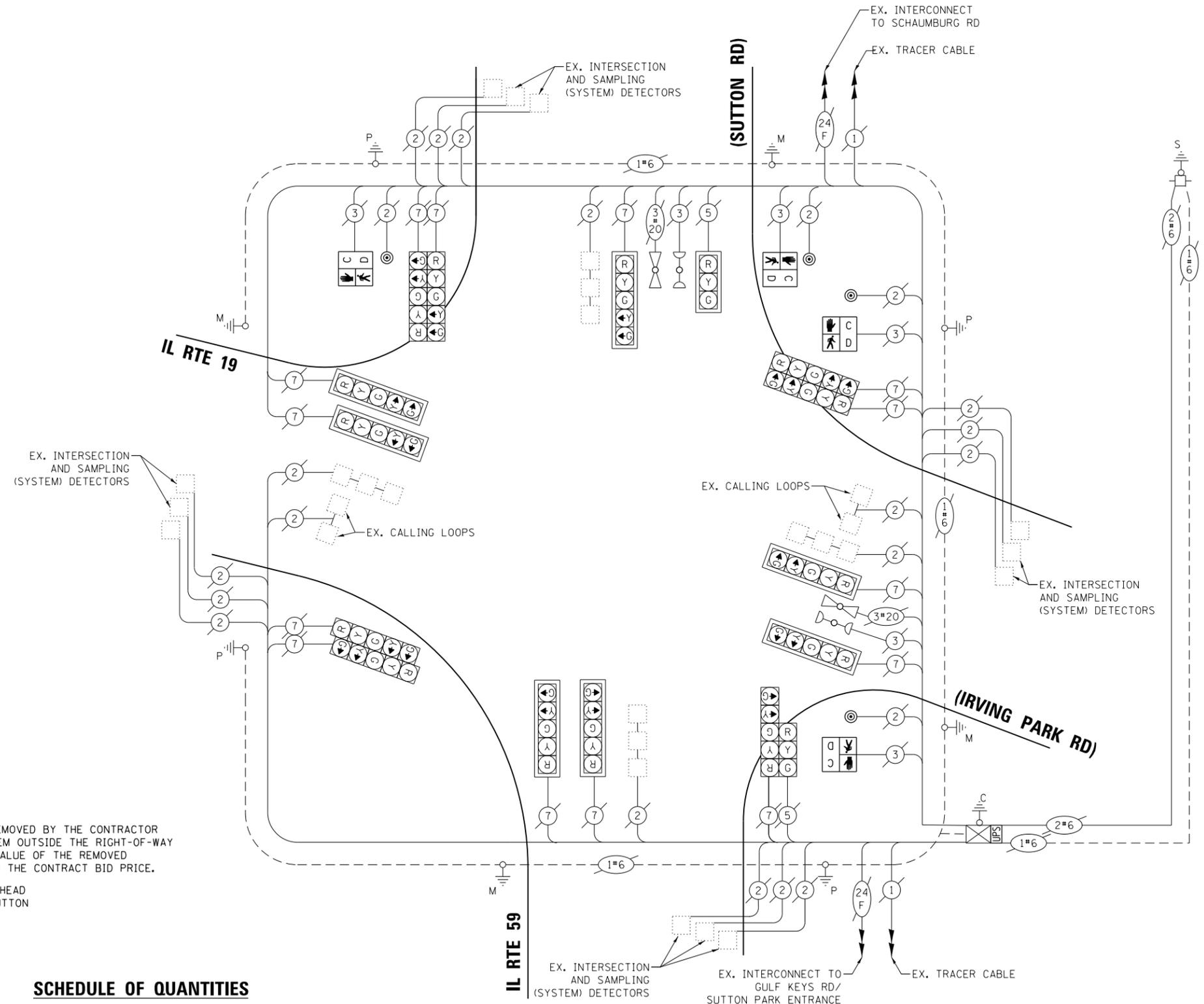
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

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

SCHEDULE OF QUANTITIES

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

CABLE PLAN (NOT TO SCALE)



FILE NAME = USER NAME = plascencia
 pw:\IL084EBID\INTEG\illinois.gov\PIW001\Documents\DOT Offices\District 1\Projects\DI249\Drawings\Traffic\SI124915-sht-ts-03.dgn
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 PLOT DATE = 4/29/2016

DESIGNED - SS
 CHECKED - AK
 DATE - 04/27/2016
 REVISED - 04/29/2016
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

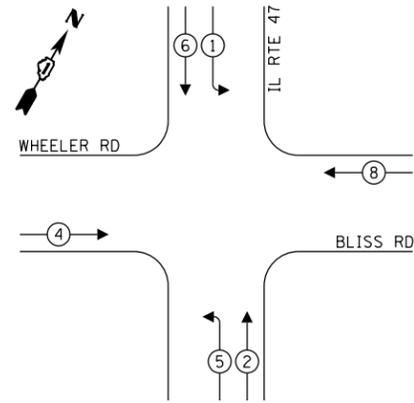
**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL RTE 59 (SUTTON RD) AT IL RTE 19 (IRVING PARK RD)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	56

CONTRACT NO. 62A56
 ILLINOIS FED. AID PROJECT

**TS 1930
 EAGLE 5N**

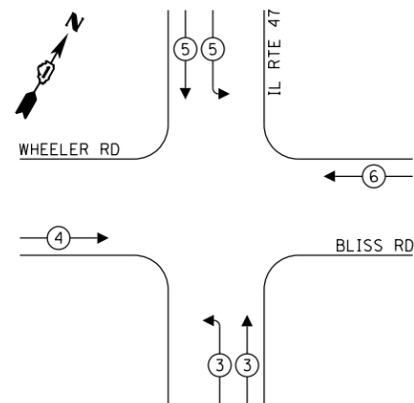
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	-	10	10	-
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 =				339.2

ENERGY COSTS TO:

VILLAGE OF SUGAR GROVE
10 MUNICIPAL DR
SUGAR GROVE, IL 60554

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

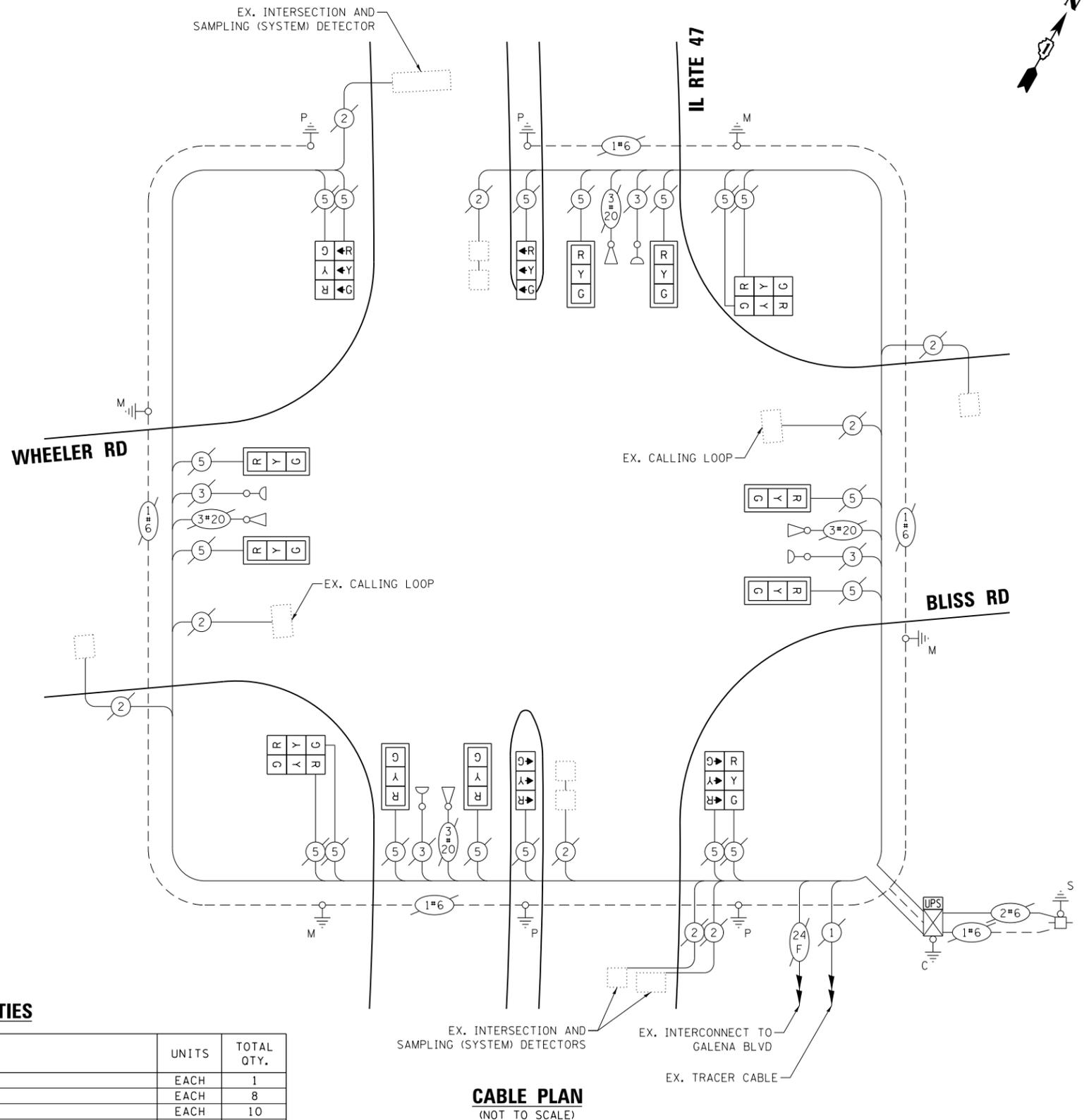
REMOVAL NOTES:

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.

- 18 EACH 3-SECTION SIGNAL 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	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	10
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



CABLE PLAN
(NOT TO SCALE)

FILE NAME: USER NAME = plascencia
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 4/28/2016

DESIGNED - IP
 CHECKED - AK
 DATE - 4/15/2016

REVISED - 4/29/2016
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

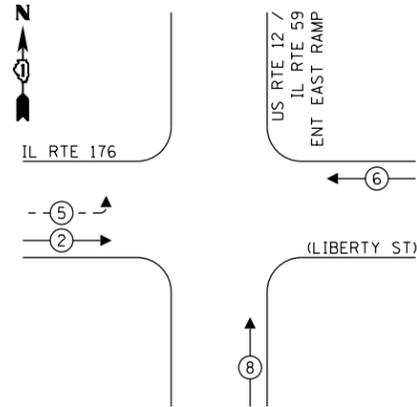
**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 47 AT WHEELER RD /BLISS RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2015-003TS	VARIOUS	59	57
				CONTRACT NO. 62A56
ILLINOIS FED. AID PROJECT				

**TS 868
EAGLE 50**

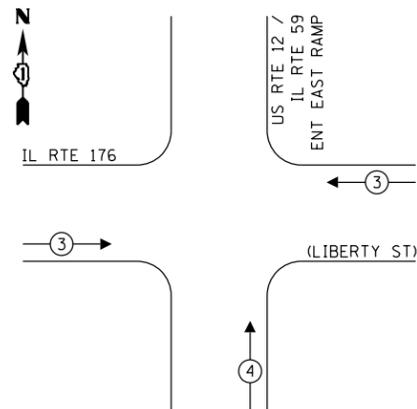
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← ⊛ → PROTECTED PHASE
- ← ⊛ - - ⊛ → PROTECTED/PERMITTED PHASE
- ← ⊛ → PEDESTRIAN PHASE
- ← ⊛ OL → OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



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.

- 7 EACH 3-SECTION SIGNAL HEAD
- 2 EACH 5-SECTION SIGNAL HEAD
- 3 EACH TRAFFIC SIGNAL BACKPLATE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	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	-
TOTAL =				236.1

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: TERI BLECK
PHONE: (847) 816-5239
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

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	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
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	3
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	1

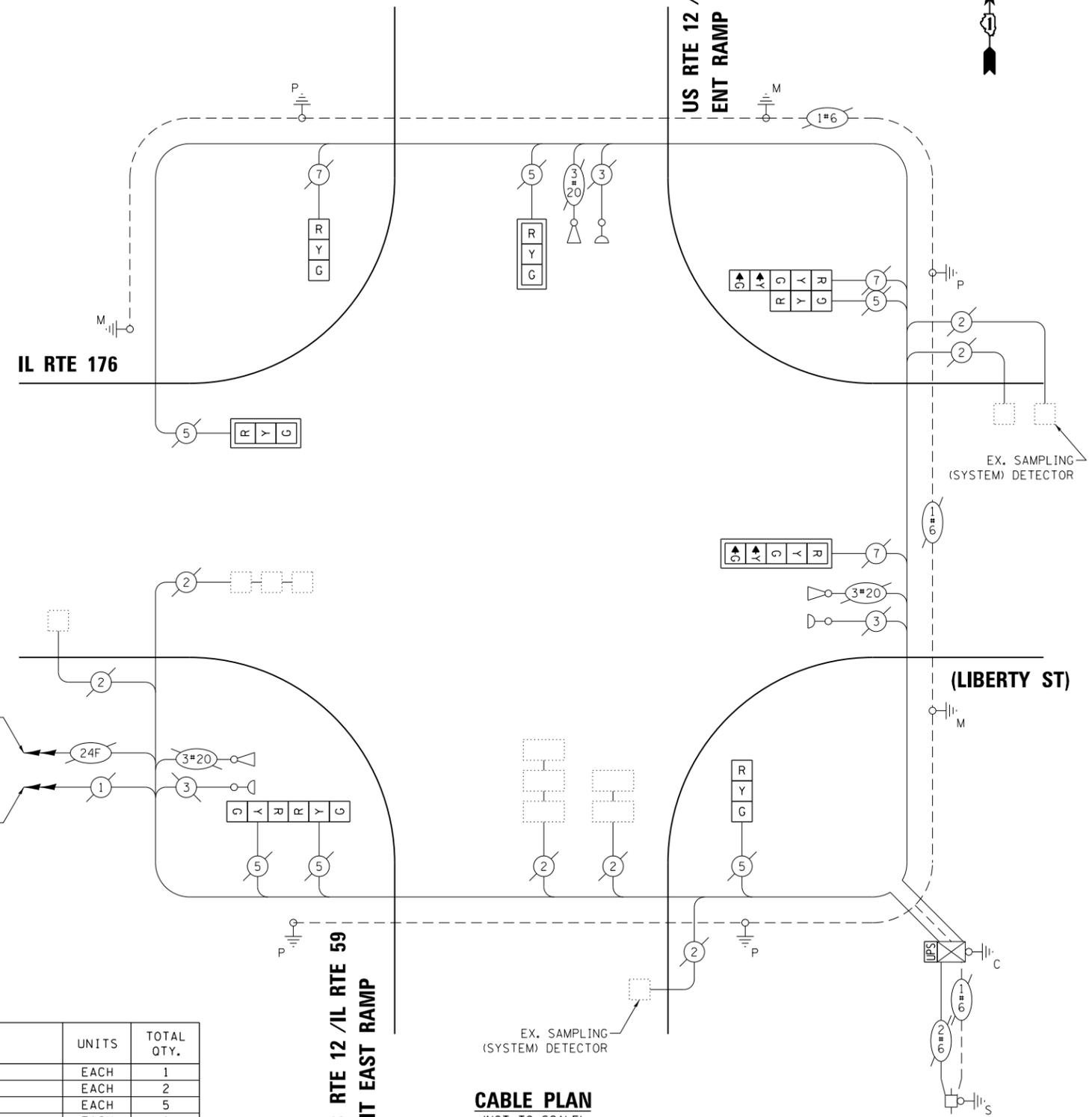
IL RTE 176

US RTE 12 / IL RTE 59
ENT RAMP

US RTE 12 / IL RTE 59
EXIT EAST RAMP

(LIBERTY ST)

CABLE PLAN
(NOT TO SCALE)



FILE NAME = USER NAME = pociechal
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PLOT DATE = 4/27/2016

DESIGNED - LP
REVISED -
CHECKED - IP
DATE - 04/29/2016

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

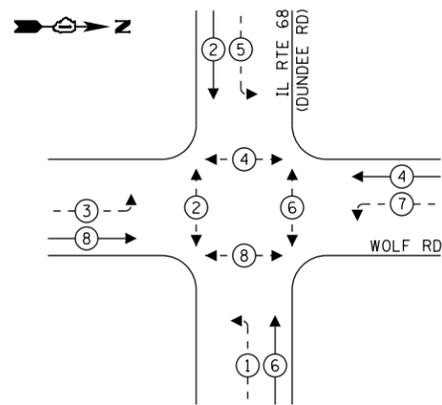
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 12 / IL RTE 59 EAST RAMP AT IL RTE 176 (LIBERTY ST)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
VAR. 2015-003TS VARIOUS 59 58
CONTRACT NO. 62A56
ILLINOIS FED. AID PROJECT

TS 6515
CENTRACS /EAGLE 1B

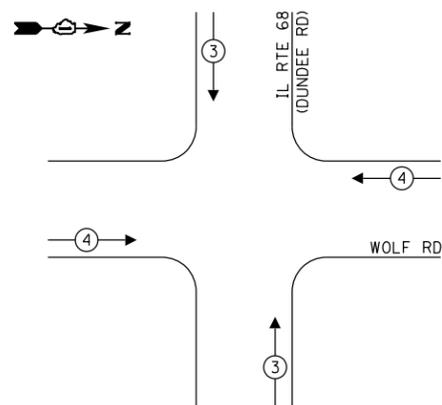
EXISTING CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← OL → OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
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 =				491.4

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W CENTER CT
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: TERI BLECK
 PHONE: (847) 816-5239
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

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
- 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

