11-09-2018 LETTING ITEM 084

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2 FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2 FOR SUMMARY OF QUANTITIES, SEE SHEETS NO. 4 - 8

PLANS FOR PROPOSED **FEDERAL AID HIGHWAY**

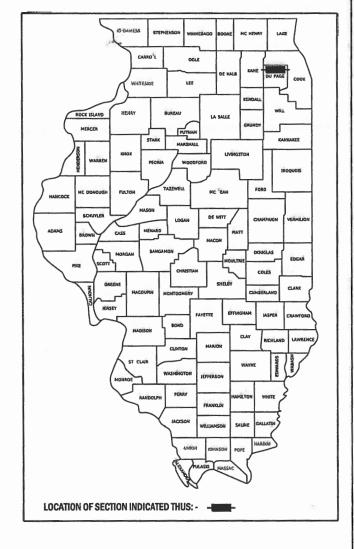
VARIOUS ROUTES, VARIOUS LOCATIONS SECTION 17-DCCSS-01-TL PROJECT NO. QIHB(040) **CENTRAL SIGNAL SYSTEM EXPANSION 1 DuPAGE COUNTY**

C-91-128-18

NAPERVILLE, LISLE, DOWNERS GROVE AND MILTON TOWNSHIP

LOCATION MAP NO SCALE

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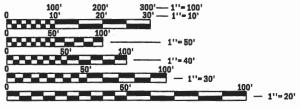


DIRECTOR OF TRANSPORTATION/COUNTY ENGINEER

STATE OF ILLINOIS

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PROJECT IS LOCATED IN THE CITIES DARIEN, NAPERVILLE, WHEATON, WARRENVILLE, THE VILLAGES OF DOWNERS GROVE, WOODRIDGE, LISLE AND WINFIELD TOWNSHIP.



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

OR 811

CONTRACT NO. 61F05

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E., SCHAUMBURG, IL

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HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, & PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15'(4.5M) TO 24"(600MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE 15 (4.5M) TO 24 (600MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE MORE THAN 15'(4.5M) AWAY
701301-04	LANE CLOSURE. 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE. 2L, 2W, MOVING OPERATIONS - DAY ONLY
701426-09	LANE CLOSURE. MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701427-05	LANE CLOSURES, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
701502-08	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W, WITH NONTRAVERSABLE MEDIAN
701602-09	URBAN LANE CLOSURE, MULTILANE, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OF CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
814001-03	HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: NTS

INDEX OF SHETS, HIGHWAY STANDARDS,
GENERAL NOTES AND COMMITMENTS

SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE. SECTION COUNTY TOTAL SHEETS NO.

VAR. 17-DCCSS-01-TL DUPAGE 277 2

CONTRACT NO. 61F05

GENERAL NOTES

- 1. THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". APRIL 1, 2016; MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITION; PROJECT SPECIFICATIONS; ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION; THE CITY OF NAPERVILLE, DARIEN, WHEATON, AND WARRANVILLE; THE VILLAGES OF DOWNERS GROVE, WOODRIDGE, AND LISLE; THE DUPAGE COUNTY DIVISION OF TRANSPORTATION; ALL APPLICABLE REQUIREMENTS OF THE ORDINANCES OF AUTHORITIES HAVING JURISDICTION; AND ALL ADDENDA THERETO SHALL GOVERN THIS WORK.
- THE STANDARDS SPECIFICATIONS, PROJECT SPECIFICATIONS, CONSTRUCTION PLANS, AND SUBSEQUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT.
- THE CONTRACTOR SHALL SOLELY BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY EQUIPMENT OR LABORERS TO EXISTING CONDITIONS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL NEW WORK UNTIL COMPLETION OF THIS CONTRACT.
- 5. EXISTING UTILITIES: WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION IS BASED ON RECORD INFORMATION PROVIDED BY THE INDIVIDUAL UTILITY OWNERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. THE CONTRACT SHALL ALSO CONTACT JULLIE. TO OBTAIN LOCATES OF THE RESPECTIVE UTILITY COMPANIES UNDERGROUND FACILITIES.
- 6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND THE CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- 7. 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 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- 8. 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.

- 10. THIS PROJECT INVOLVES THE INSTALLATION OF CONDUIT; HANDHOLES; UPGRADED OR REPLACEMENT CONTROLLERS; FIBER-OPTIC CABLE; PTZ CAMERAS AND THEIR PERIPHERALS AND CABLES; AND MOUNTING POLES AT LOCATIONS SHOWN ON THE PLANS.
- 11. THESE PLANS USE EXISTING PLANS AS BACKGROUND WHERE POSSIBLE. THE CONTRACTOR SHALL USE CARE TO CORRECTLY DISTINGUISH PROPOSED WORK FROM THE EXISTING WORK. CALLOUTS AND OTHER INFORMATION IN THE BACKGROUND OF THE VIDEO CAMERA INSTALLATION, COMMUNICATION NODES, AND COMMUNICATION INTERCONNECT PLAN SHEETS ARE NOT APPLICABLE TO THIS CONTRACT. APPLICABLE TIEMS ON THESE SHEETS ARE IDENTIFIED BY BOLD CALLOUTS. BACKGROUNDS HAVE BEEN LIGHTENED TO HIGHLIGHT THE DISTINCTION BETWEEN BOLD CALLOUTS AND BACKGROUNDS.
- 12. RIGHT-OF-WAY LINES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL ENSURE THAT ALL WORK IS PERFORMED WITHIN EXISTING COUNTY, CITY OR STATE RIGHT-OF-WAY. THIS PROJECT INVOLVES NO RIGHT-OF-WAY ACQUISITION.
- 13. THE SYSTEM COMMUNICATIONS ARE INTENDED TO OPERATE USING BOTH EXISTING AND PROPOSED FIBER OPTIC CABLES. INTERCONNECT SCHEMATICS ARE INCLUDED FOR AREAS THAT INVOLVE PROPOSED FIBER OPTIC CABLE. SHEETS SHOWING EXISTING CABLES ARE ALSO INCLUDED FOR INFORMATION ONLY.
- 14. GENERAL FIBER SPLICES AND TERMINATIONS ARE SHOWN ON THE FIBER LAYOUT SHEETS FOR SINGLE-MODE FIBERS ONLY. SPECIFIC TUBE AND FIBERS THAT ARE SPLICED SHALL BE CHOSEN SYSTEMATICALLY AND BE DOCUMENTED AND LABELED TO THE SATISFACTION OF THE ENGINEER.
- 15. THE CONTRACTOR SHALL COORDINATE WITH DUDOT FOR THE LOCATION AND ORIENTATION OF EACH PROPOSED CCTV CAMERA PRIOR TO CAMERA INSTALLATION.
- 16. THE CONTRACTOR SHALL MARK THE RECORD DRAWINGS TO REFLECT ANY CHANGES TO THE PLANS, THE RECORD DRAWING REQUIREMENTS ARE IDENTIFIED IN SECTION 801.16 OF THE STANDARD SPECIFICATIONS.
- 17. THE CONTRACTOR SHALL CONTACT THE IDOT D1 TRAFFIC CONTROL SUPERVISOR A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINING WORK.
- 18. ABBREVIATIONS HAVE BEEN USED THROUGHOUT THE PLANS. SEE ARTICLE 101.01 OF THE STANDARD SPECIFICATIONS, STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (STANDARD 000001), AND DISTRICT ONE DETAIL STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05) FOR MOST ABBREVIATIONS. IN ADDITION, THE FOLLOWING ABBREVIATIONS HAVE BEEN USED IN THE PLANS AND ARE TO BE CONSTRUED THE SAME AS THE RESPECTIVE EXPRESSIONS REPRESENTED:

ATMS ADVANCED TRAFFIC MANAGEMENT SYSTEM CCTV CLOSED-CIRCUIT TELEVISION HIGHWAY ADVISORY RADIO HAR ILLINOIS DEPARTMENT OF TRANSPORTATION IDOT ILLIONOIS STATE TOLL HIGHWAY AUTHORITY ISTHA INTELLIGENT TRANSPORTATION SYSTEM ITS DUDOT DUPAGE COUNTY DIVISION OF TRANSPORTATION TRAFFIC MANAGEMENT CENTER OUTDOOR NETWORK CABLE ONC

19. A NOMININAL QUANTITY HAS BEEN ADDED FOR THE FOLLOWING PAY ITEMS TO ACCOUNT FOR BLOCKED OR UNDERSIZED CONDUITS AND ARE TO BE USED AT THE DIRECTION OF THE ENGINEER:

81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	400	FOOT
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC		
	CONDUIT, 2" DIA.	1,350	FOOT
81400100	HANDHOLE	5	EACH
81400200	HEAVY-DUTY HANDHOLE	3	EACH
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	2,000	FOOT
87900200	DRILL EXISTING HANDHOLE	11	EACH
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	3,350	FOOT
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM		
	CONDUIT	3,350	FOOT
X8100863	INTERCEPT EXISTING CONDUIT	5	EACH

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NTS

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GENERAL NOTES AND COMMITMENTS					VAR.	17-DC0	SS-01-TL		DUPAGE	277	3			
	GENERAL NOTES AND COMMINITIVIENTS									CONTRACT	NO.	61F05		
	SHEET 2	OF 2	SHEETS	STA.		TO STA.				ILLINOIS	FED. A	ID PROJECT		

SUMMARY OF QUANTITIES HEADING LEGEND

A SHEET	75TH ST CORRIDOR INTERSECTIONS
9	75TH ST AND US RTE 34 (OGDEN AVE)
10	75TH ST AND IL RTE 59
11 - 12	75TH ST AND BEEBE DR
13	75TH ST AND FORT HILL DR
14	75TH ST AND BOOK RD
15 - 16	RICKERT RD AND BOOK RD
17 - 18	RICKERT DR AND WEST ST
19 - 20	75TH ST AND PLAINFIELD-NAPERVILLE RD
21	75TH ST AND MILLBROOK DR
22	75TH ST AND MODAFF RD
23 - 24	75TH ST AND OLYMPUS DR
25	75TH ST AND WASHINGTON ST
26 - 27	75TH ST AND NAPER BLVD
28 - 29	75TH ST AND WEHRLI RD
30	75TH ST AND RANCHVIEW DR
31 - 32	75TH ST AND GREENE RD
33	75TH ST AND IL RTE 53
34 - 35	75TH ST AND WOODRIDGE DR
36 - 37	75TH ST AND JANES AVE
38 - 39	75TH ST AND I-355 (EAST)
40 - 41	75TH ST AND WOODWARD AVE
42	75TH ST AND DUNHAM RD
43 - 44	75TH ST AND LEMONT RD
45	75TH ST AND LYMAN AVE
46	75TH ST AND FAIRMOUNT AVE
47 - 48	75TH ST AND FAIRVIEW AVE
49	75TH ST AND EXNER RD / WILLIAMS ST
50	75TH ST AND ADAMS ST
51 - 52	75TH ST AND CASS AVE
53 - 54	75TH ST AND PLAINFIELD RD
B SHEET	DIEHL ROAD CORRIDOR INTERSECTIONS
55	DIEHL RD AND NALCO EAST ENTR
56	DIEHL RD AND TELLABS DR
57 - 5	8 DIEHL RD AND RAYMOND DR
59	DIEHL RD AND DAVIS PKWY
60 - 6	1 DIEHL RD AND WINFIELD RD
62	DIEHL RD AND BULGER CT / WEAVER PKWY
63 - 6	4 DIEHL RD AND MILL ST
65 - 66	DIEHL RD AND FREEDOM DR
67 - 68	DIEHL RD AND NAPERVILLE RD

C	SHEET	FERRY ROAD / WARRENVILLE ROAD CORRIDOR INTERSECTIONS
	69 70	FERRY RD AND RAYMOND DR
	71	FERRY RD AND RIVER RD
	72	FERRY RD AND TORCH PKWY
	73 - 74	FERRY RD AND WINFIELD RD
	75	FERRY RD AND CHASE CT / BELLA VISTA PKWY
	76 - 77	FERRY RD / MILL ST AND WARRENVILLE RD
	78	WARRENVILLE RD AND HERRICK RD
	79 - 80	WARRENVILLE RD AND WASHINGTON ST
	81	WARRENVILLE RD AND ILLINOIS HOSPITAL AND H.S.A. ENTRANCE
	82 - 83	WARRENVILLE RD AND WEST LUCENT LN / FREEDOM DR
	84 - 85	WARRENVILLE RD AND NAPERVILLE RD
	86	WARRENVILLE RD AND NAVISTAR DR
	87	WARRENVILLE RD AND CABOT DR
	88	WARRENVILLE RD AND LEASK LN
	89 - 90	WARRENVILLE RD AND YACKLEY AVE
D	<u>SHEET</u>	IL RTE 38 (ROOSEVELT RD) CORRIDOR INTERSECTIONS
	91	IL RTE 38 (ROOSEVELT RD) AND COUNTY FARM RD
	92	IL RTE 38 (ROOSEVELT RD) AND HAZELTON AVE
	93	IL RTE 38 (ROOSEVELT RD) AND SADDLE RD
	94	IL RTE 38 (ROOSEVELT RD) AND CARLTON AVE
	95	IL RTE 38 (ROOSEVELT RD) AND WEST ST
	96	IL RTE 38 (ROOSEVELT RD) AND MAIN ST
	97	IL RTE 38 (ROOSEVELT RD) AND NAPERVILLE RD
E	<u>SHEET</u>	WINFIELD ROAD CORRIDOR INTERSECTIONS
	98	WINFIELD RD AND I-88 (SOUTH)
	99 - 100	WINFIELD RD AND I-88 (NORTH)
	101	WINFIELD RD AND TORCH PKWY
	102	WINFIELD RD AND WARRENVILLE RD
F	<u>SHEET</u>	MILL STREET CORRIDOR INTERSECTIONS
	103	MILL ST AND BAUER RD
	104	MILL ST AND BELLA VISTA PKWY
G	<u>SHEET</u>	FREEDOM DRIVE CORRIDOR INTERSECTIONS
	105	FREEDOM DRIVE AND INDEPENDENCE AVE
	106 - 107	FREEDOM DRIVE AND I-88 SOUTH (RAMP B)
	108	FREEDOM DRIVE AND I-88 NORTH (RAMD E AND D)

Н	<u>SHEET</u>	NAPER BLVD / NAPPERVILLE ROAD CORRIDOR INTERSECTIONS
	109 - 110	NAPER BLVD AND BAILEY RD
	111	NAPER BLVD AND MARKET MEADOW / FOX RUN
	112 - 113	NAPER BLVD AND HOBSON RD
	114 - 115	NAPER BLVD AND CULPEPPER DR
	116 - 117	NAPER BLVD AND GREEN TRAILS DR
	118	NAPER BLVD AND DUNROBIN RD
	119	NAPER BLVD AND MAPLE AVE / CHICAGO AVE
	120 121	NAPER BLVD AND PLANK RD
	122 - 123	NAPER BLVD AND US RTE 34 (OGDEN AVE)
	124	NAPER BLVD AND TOWER CROSSING
	125 - 126	NAPER BLVD AND RIDGELAND AVE
	127	NAPERVILLE RD AND CENTRAL PARK ENTRANCE
	128	NAPERVILLE RD AND WEST LUCENT LN / NAVISTAR DR
	129	NAPERVILLE RD AND F.H. BELLINGER PARKWAY
	130	NAPERVILLE RD AND BANADA GO
	131 - 132	NAPERVILLE RD AND LOOP RD
	133	NAPERVILLE RD AND BLANCHARD RD
	134 - 135 136	NAPERVILLE RD AND BLANCHARD RD NAPERVILLE RD AND DANADA DR
	137 - 138	NAPERVILLE RD AND LONGFELLOW DR
	139	NAPERVILLE RD AND FARNHAM IN
	140 - 141	NAPERVILLE RD AND FARMINAM EN
	140 - 141	MARENVILLE NO AND CLIP 31
	SHEET	LEMONT ROAD CORRIDOR INTERSECTIONS
	142	LEMONT RD AND CHESTNUT CT
	143	LEMONT RD AND GROVE SHOPPING CENTER
	144	LEMONT RD AND DUNHAM RD
J	SHEET	PLAINFIELD ROAD CORRIDOR INTERSECTIONS
	145 - 146	PLAINFIELD RD AND MANNING RD
	147	PLAINFIELD RD AND BAILEY RD
	148 - 149	PLAINFIELD RD AND CASS AVE
K	SHEET	RAYMOND DRIVE CORRIDOR INTERSECTIONS
	150	RAYMOND DR AND MCDOWELL RD
	SHEET	COUNTY FARM ROAD CORRIDOR INTERSECTIONS
	151 - 152	COUNTY FARM RD AND WILLIAMS ST
	153	COUNTY FARM RD AND MANCHESTER RD
M	SHEET	WASHINGTON STREET CORRIDOR INTERSECTIONS
	154	WASHINGTON ST AND HOBSON RD
N	SHEET	US RTE 34 (OGDEN AVE) CORRIDOR INTERSECTIONS
	155	US RTE 34 (OGDEN AVE) AND IROQUOIS AVE
	156	US RTE 34 (OGDEN AVE) AND NAPERVILLE-WHEATON RD
0	SHEET	BLANCHARD ROAD CORRIDOR INTERSECTIONS
	157	BLANCHARD RD AND TOWN SQUARE
Р	SHEET	INTERCONNECT



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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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158 - 238 INTERCONNECT SYSTEM

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67100100	MOBILIZATION			L SUM	1	1														1	
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70102622	TRAFFIC CONTROL AND PROTECTI	ON, STANDARD 701502		L SUM	1	1															
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70102625	TRAFFIC CONTROL AND PROTECTI	ON, STANDARD 701606		L SUM	1	1															
70102630	TRAFFIC CONTROL AND PROTECTI	ON, STANDARD 701601		L SUM	1	1															
70102632	TRAFFIC CONTROL AND PROTECTI	ON, STANDARD 701602		L SUM	1	1															
0102635	TRAFFIC CONTROL AND PROTECTION	ON, STANDARD 701701		L SUM	1	1															
70102640	TRAFFIC CONTROL AND PROTECTION	ON, STANDARD 701801	<u>.</u>	L SUM	1	1															
81028200	UNDERGROUND CONDUIT, GALVANI	ZED STEEL, 2" DIA.		FOOT	6176																61
31028750	UNDERGROUND CONDUIT, COILABL	E NONMETALLIC CONDUIT,	2" DIA.	FOOT	28192						:			:							281
31400100	HANDHOLE			EACH	30																3
31400200	HEAVY-DUTY HANDHOLE			EACH	13																1
															-						
85000200	MAINTENANCE OF EXISTING TRAF	FIC SIGNAL INSTALLATIO	N	EACH	108	31	9	15	7	4	2	3	22	3	3	1	2	1	2	1	2
37300010	GROUNDING EXISTING HANDHOLE	FRAME AND COVER		EACH	262	87	9	50		16	4		62	14		4	4		8	4	
37300925	ELECTRIC CABLE IN CONDUIT, T	RACER, NO. 14 1C		FOOT	50716																50
																					
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	S	UMMARY	OF QUA	NTITIES	
SCALE:	SHEET 2	OF 5	SHEETS	STA.	TO STA

F.A. SECTION COUNTY TOTAL SHEET NO.

VAR. 17-DCCSS-01-TL DUPAGE 277 5

CONTRACT NO. 61F05

| ILLINOIS | FED. AID PROJECT

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***************************************	*																		
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	358	264							94								
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	35650	10700	750	6200		2250	750		9000	2250		750	750		1500	750	
87900200	DRILL EXISTING HANDHOLE	EACH	63								2								61
88500100	INDUCTIVE LOOP DETECTOR	EACH	219	45	19	55		16	8		46	14					7	9	
89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	27	6	2	6		2	1		6	2					1	1	
39502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	20295																202
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	65	18	9	13	-	4	2		12	3		1	1		1	1	
Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	7	2	1	2		1					1						
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	412																41:
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	153614																1536
(0326255		EACH	2																2
(1400012	REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	12713				ANTERIO DE LA CONTRACTION DEL CONTRACTION DE LA												127
(1400102	OUTDOOR RATED NETWORK CABLE	FOOT	858 3	3082	829	1384		84		186	2327		492		199				
X1400215	REMOTE CONTROLLED VIDEO SYSTEM	EACH	43	16	5	7		1		1	10		2		1				

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	USER NAME = dwiktorzak	DESIGNED -	REVISED -	Ī
		DRAWN -	REVISED -	
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a	PLOT DATE = 8/28/2018	DATE -	REVISED -	

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

	_				L	F
	S	UMMAR	Y OF QUANTITIES		-	1
SCALE:	SHEET 3	OE 5	SHEETS STA.	TO STA	-	_

	F.A. RTE.	SECTION	COUNTY	SHEETS	SHEET NO.
	VAR.	17-DCCSS-01-TL	DUPAGE	277	6
_			CONTRACT	NO. 6	51F05
		ILLINOIS FED. A	ID PROJECT		

			80% STATE / 20% DUPAGE COUNTY																
				Α	В	С	D	Е	F	G	Н	I	J	К	L	М	N	0	Р
CODE NO.	ITEM	UNIT	TOTAL									SIGNA D21 BAN	AL						
X1400216	LAYER II (DATALINK) SWITCH	EACH	83	23	9	13		4	2	3	17	3	3	1	1	1	2	1	
X1400217	TERMINATE FIBER IN CABINET .	, EACH	216																21
X1400218	FIBER OPTIC CABLE IN CONDUIT, 24 SINGLE MODE	FOOT	175325																1753
X1400219	SPLICE FIBER IN CABINET	EACH	320																320
X1400303	FIBER OPTIC PATCH PANEL, 24 PORT, CABINET MOUNT	EACH	1																1
X1400335	WIRELESS TRANSMISSION SYSTEM POINT TO POINT	EACH	4		2	2			1										
X8100863	INTERCEPT EXISTING CONDUIT	EACH	5							-									5
X8570215	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	32	10	6	6		1	1		5	1		1	1				
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	27	6	2	6		2	1		6	2					1	1	
X8620050	UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED	EACH	2				-				2								
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	48	5	5	14		4	2	2	11	3		1				1	
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	12116	Address in price of the Address of Address o															121
X8950212	MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	67	22	7	9		2	1	3	15	1	3	1	1	1	1		
X8950510	REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	7617																761

 			USER NAME = dwiktorzak	DESIGNED -	REVISED -
	T			DRAWN -	REVISED -
			PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
		Elli-medili.	PLOT DATE = 8/28/2018	DATE -	REVISED -

	S	UMMARY	OF QUA	ANTITIES	
SCALE:	SHEET 4	OF S	SHEETS	STA.	TO ST

									80	% STAT	E / 20	% DuPA	GE COU	NTY					
				А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р
NO. ITEM		l l		ITEM TOTAL UNIT QUANTITY															
XX005800	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM	EACH	4	2		1											1		
XX007018	LAYER III (NETWORK) SWITCH	EACH	13	5		3					4								1
XX007952	TERMINAL SERVER	EACH	1	1															
XX008254	LAYER III FIBER OPTIC TRANSCIEVER MODULE, SFP TYPE, LONG DISTANCE	EACH	1																1
XX008788	WIRELESS ACCESS POINT	EACH	4	3							1								
X X00 9245	DETECTOR BASE STATION	EACH	4	3							1								
XX009246	LONG RANGE DIRECTIONAL ANTENNA	EACH	3	3															
XX009247	WIRELESS DETECTION UNIT	EACH	30	26							4								
XX009248	DETECTOR SEALANT PACKAGE	EACH	93	87							6								
XX069249	INSTALLATION TOOLKIT	L SUM	1	0.75							0.25								
XX009250	ELECTRIC METER SOCKET	EACH	81	26	6	14		4	2	2	15	3	3	1	2		2	1	
XX009251	FIREWALL	EACH	1																1
	USER NAME == dwiktorzak DESIGNED - REVISED -									1					F.A.	SECTIO	ION T	COUNTY	TOTAL
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SUMMARY OF QUANTITIES								
SCALE:	SHEET 5	OF 5	SHEETS !	STA.	TO STA.			

 F.A. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS NO.
 SHEET NO.

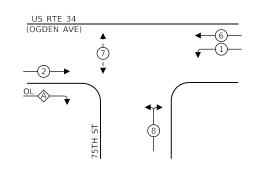
 VAR.
 17-DCCSS-01-TL
 DUPAGE
 277
 8

 CONTRACT NO.
 61F05

 ILLINIOS
 FED. AID PROJECT

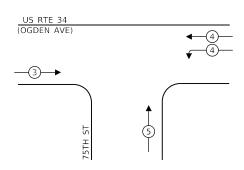
EXISTING CONTROLLER SEQUENCE





EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	13	12	45	70.2
PERMISSIVE ARROW	4	10	10	4.0
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	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	-	75	100	-
			TOTAL =	323.7

ENERGY COSTS TO:

TS SHT NO. 1

CITY OF AURORA

44 E. DOWNER PLACE AURORA, ILLINOIS 60507-2067

ENERGY SUPPLY: CONTACT: MR. RICK SEIDEL

PHONE: (630)-229-5138

LEGEND:

◆ * PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

◆- *- PEDESTRIAN PHASE

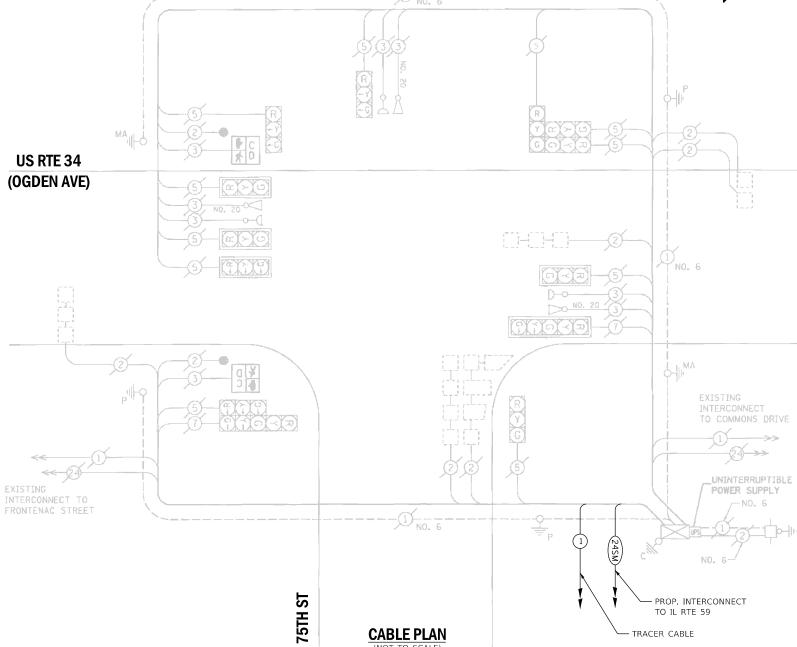
RIGHT TURN OVERLAP PHASE DESIGNATION:

PERMISSIVE PROTECTED PHASE PHASE





TOTAL QTY. ITEM DESCRIPTION <u>UNITS</u> EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION



IDOT TS 6047 **ECON 191**



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

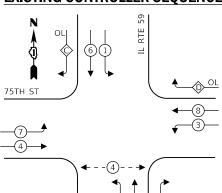
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SCALE: NTS

												_
	,				WILKGEROT VEHICLE	F.A. RTE.	SECT	ΓΙΟΝ		COUNTY	TOTAL SHEETS	
PREEI				-	OF QUANTITIES	VAR.	17-DCCS	S-01-TL		DUPAGE	277	9
	<u>75TH S</u>	ST AND US	<u> </u>	<u>(OGDEN</u>	N AVE)					CONTRACT	NO.	61F05
LE: NTS	SHEET 1	OF 46	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		

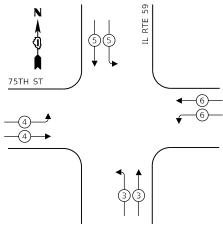
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EXISTING CONTROLLER SEQUENCE



52

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	I NO. OF	l LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	22	11	50	121.0
(YELLOW)	22	20	5	22.0
(GREEN)	22	12	45	118.8
PERMISSIVE ARROW	12	10	10	12.0
PED. SIGNAL	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	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	-	75	100	-
			TOTAL =	438.8

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION

201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

LEGEND:

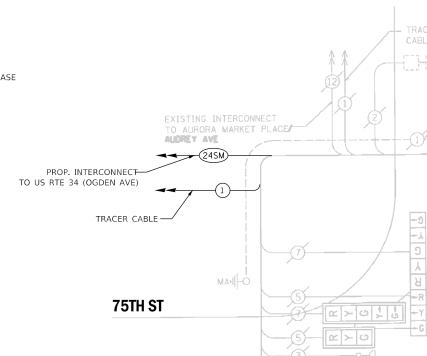
◆ * PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

◆- *- PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTE PHASE
A	-	2	+	3
C	-	6	+	7
ט	=	8	+	1



SCHEDULE OF QUANTITIES

TOTAL QTY. <u>UNITS</u> ITEM DESCRIPTION EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

CABLE PLAN

IL RTE 59

15111 BRE > 이것 &

PROP. INTERCONNECT — TO BEEBE DR

-(24SM)-

TRACER CABLE

INTERCONNECT

TO BEEBE

DRIVE

IDOT TS 6360 **ECON 106**

EXISTING INTERCONNECT TO BEEBE DRIVE



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE SECTION COUNTY PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES DUPAGE 277 10 17-DCCSS-01-TL 75TH ST AND IL RTE 59
OF 46 SHEETS STA. CONTRACT NO. 61F05

EXISTING INTERSECTION AND SAMPLING (SYSTEM)

DETECTORS

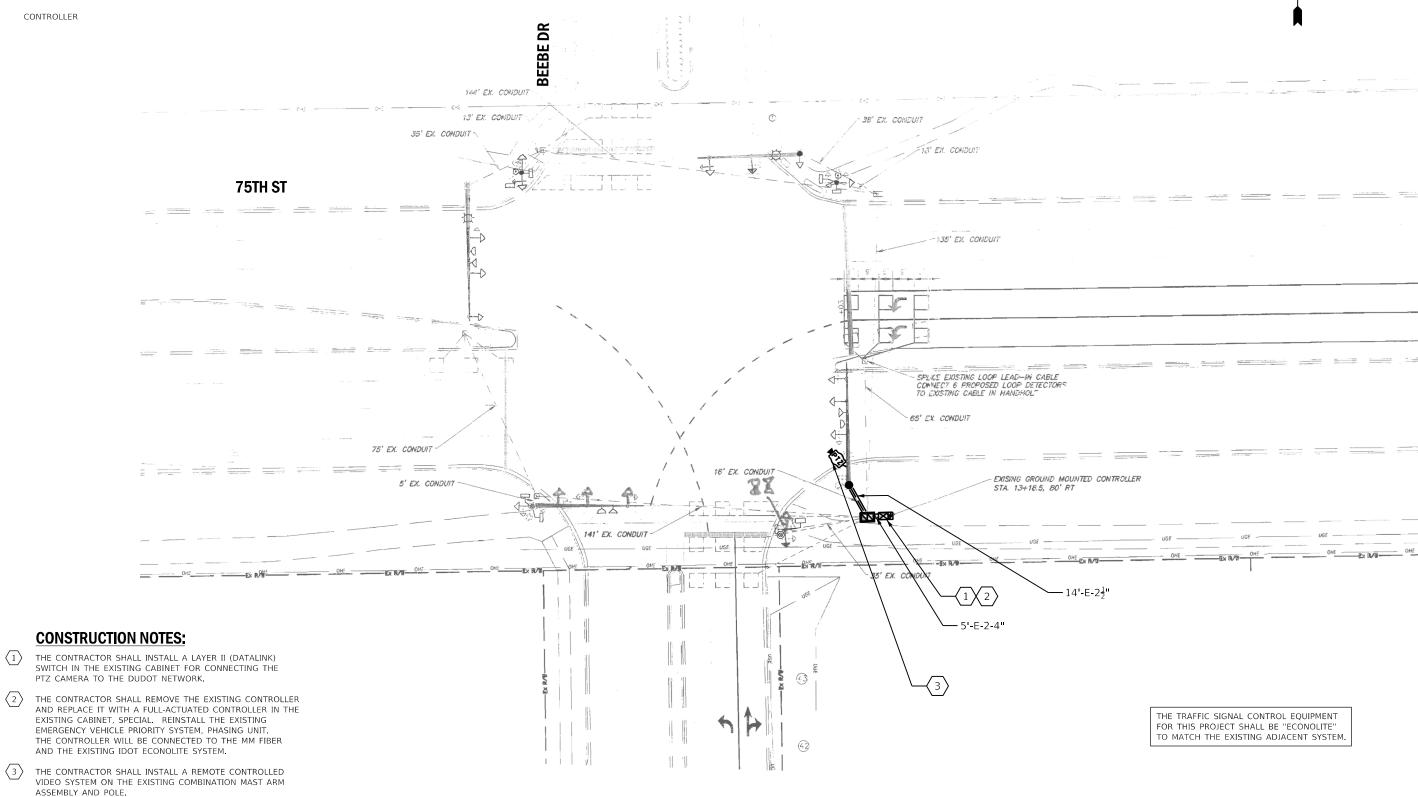
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TS SHT NO.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPOERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

1 EACH CONTROLLER



SCALE: NTS

TS SHT NO.

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USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

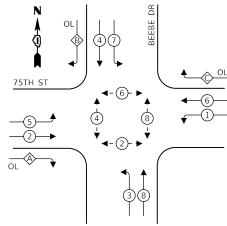
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL MODERNIZATION PLAN				F.A. RTE.	SECTION	
75TH ST AND BEEBE DR					VAR.	17-DCCSS-01-TL
	7311131	AIND DEL	DL DI			
SHEET 3	OF 46	SHEETS	STA	TO STA		II LINOIS E

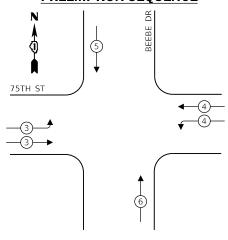
COUNTY DUPAGE 277 11 CONTRACT NO. 61F05

DUDOT

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
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	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	250	50	500.0
PTZ CAMERA	1	75	100	75.0
			TOTAL =	1110.0

ENERGY COSTS TO:

TS SHT NO.

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

LEGEND:

◆ * PROTECTED PHASE

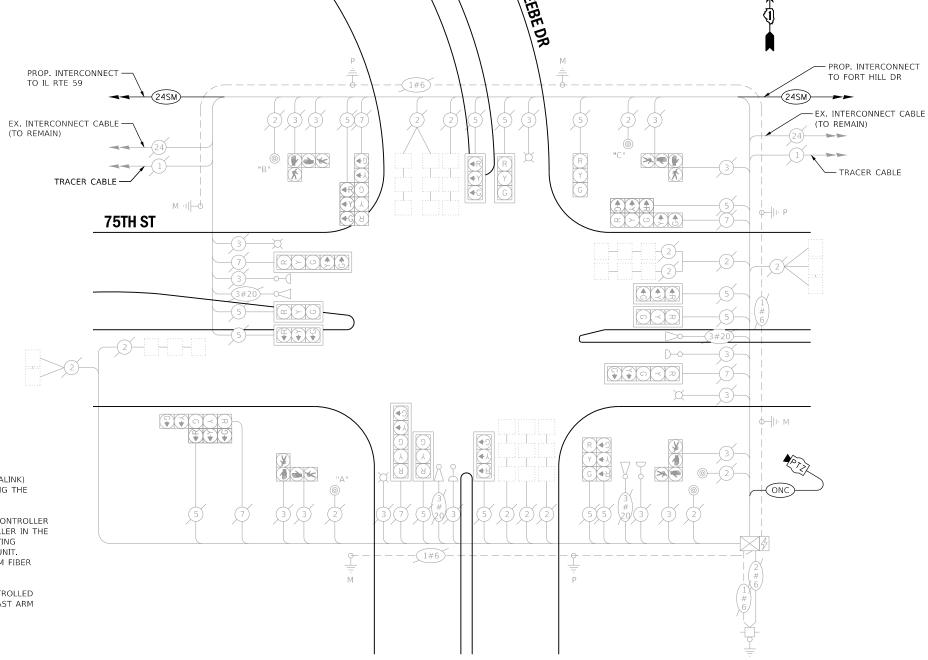
RIGHT TURN OVERLAP

OVERLAP		PERMISSIVE		PROTECTE
LETTER		PHASE		PHASE
A	_	2	+	3
В	=	4	+	5
С	=	6	+	7

← -(*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

PHASE DESIGNATION:



CABLE PLAN

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE EXISTING CABINET FOR CONNECTING THE PTZ CAMERA TO THE DUDOT NETWORK.
- THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER IN THE EXISTING CABINET, SPECIAL. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT. THE CONTROLLER WILL BE CONNECTED TO THE MM FIBER AND THE EXISTING IDOT ECONOLITE SYSTEM.
- THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM ON THE EXISTING COMBINATION MAST ARM ASSEMBLY AND POLE.

SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
91.5	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER SOCKET

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

THE TRAFFIC SIGNAL CONTROL EQUIPMENT

FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

DUDOT



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

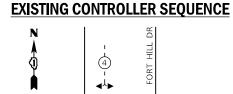
I						EMERGENCY VEHICLE	F.A. RTE	SEC ⁻	ΓΙΟΝ	
						VAR.	17-DCCS	SS-01-TL		
L	75TH ST AND BEEBE DR									
	SCALE: NTS	SHEET 4	OF 46	SHEETS	STA.	TO STA.			ILLINOIS	FED

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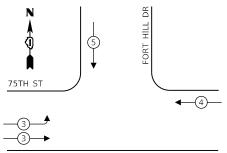
DUPAGE 277 12

CONTRACT NO. 61F05

COUNTY



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	11	11	50	60.5
(YELLOW)	11	20	5	11.0
(GREEN)	11	12	45	59.4
PERMISSIVE ARROW	-	10	10	-
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	-
LUMINAIRE	2	250	50	250.0
PTZ CAMERA	-	75	100	
			TOTAL =	585.9

ENERGY COSTS TO:

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TS SHT NO.

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187

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

COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:___

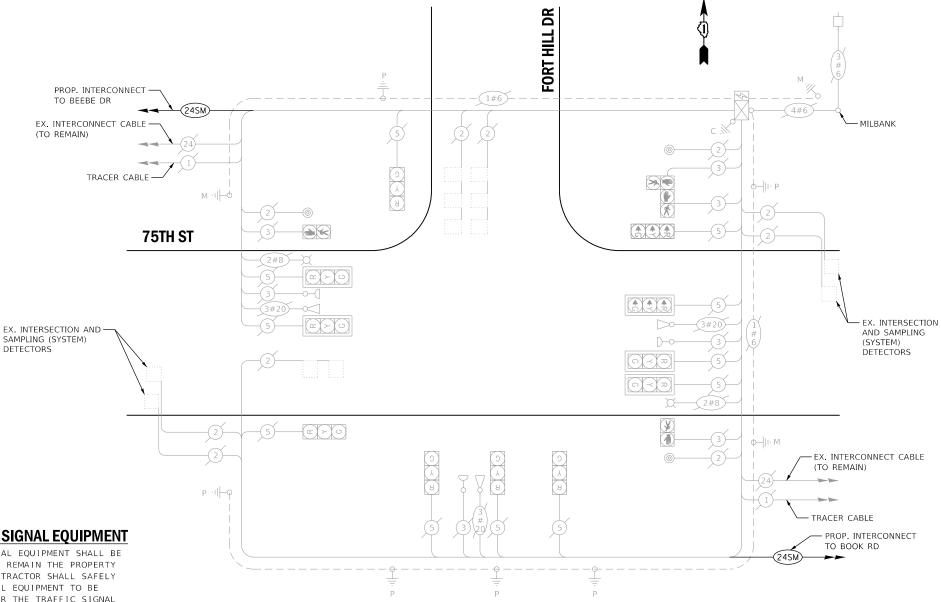
LEGEND:

◆ PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

SOL OVERLA



REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

EACH CONTROLLER

CABLE PLAN (NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AND NTCIP (LATEST VERSION) TO MATCH THE EXISTING ADJACENT SYSTEM.

SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER SOCKET

DUDOT



JSER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES

75TH ST AND FORT HILL DR

TO STA

UNINOUS SHEET 5 OF 46 SHEETS STA TO STA

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CONTRACT NO. 61F05

EXISTING CONTROLLER SEQUENCE 47 75TH ST

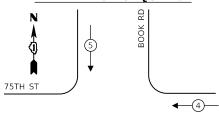
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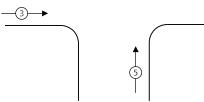
◆ * PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

PREEMPTION SEQUENCE





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
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	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	=
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	250	50	500.0
PTZ CAMERA	-	75	100	-
			TOTAL =	987.4

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

TS SHT NO.

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704

COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER

JSER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

75TH ST

EX. INTERCONNECT CABLE

TRACER CABLE

PROP. INTERCONNECT

(TO REMAIN)

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 75TH ST AND BOOK RD

COUNTY DUPAGE 277 14 CONTRACT NO. 61F05

DUDOT

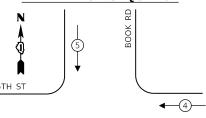
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

SECTION

17-DCCSS-01-TL

EXISTING EMERGENCY VEHICLE

38





REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

EACH CONTROLLER

CABLE PLAN

PROP. INTERCONNECT -TO RICKERT DR EX. INTERCONNECT CABLE

(TO REMAIN)

TRACER CABLE

BOOK RD

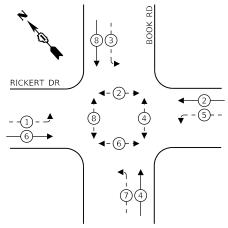
-(1#6)

SCHEDULE OF QUANTITIES

TOTAL QTY.	UNITS	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	LAYER III (NETWORK) SWITCH
1	EACH	ELECTRIC METER SOCKET

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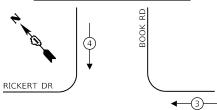
EXISTING CONTROLLER SEQUENCE

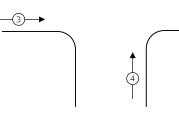


LEGEND:

- **◆** PROTECTED PHASE
- ← -(*)- PROTECTED/PERMITTED PHASE
- ◆-(*)- ▶ PEDESTRIAN PHASE
- ◆ OL OVERLA

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

	I NO. OF	l ren	70	IOIAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	15	11	50	82.5
(YELLOW)	15	20	5	15.0
(GREEN)	15	12	45	81.0
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	-
LUMINAIRE	-	-	-	-
PTZ CAMERA	1	75	100	75.0

ENERGY COSTS TO:

CITY OF NAPERVILLE

400 S. EAGLE ST. NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704
COMPANY: COM-ED LOMBARD
ACCOUNT NUMBER:

©DLZ

USER NAME = dwiktorzak DESIGNED - DW REVISED DRAWN - RG REVISED PLOT SCALE = 40,0000 ' / in. CHECKED - ZH REVISED PLOT DATE = 8/28/2018 DATE REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES RICKERT DR AND BOOK RD

BOOK RD RICKERT DR D---(-3#20 - PROP. INTERCONNECT TO WEST ST - EX. INTERCONNECT CABLE (TO REMAIN) TRACER CABLE MOUNT PROPOSED UPS ON LEFT SIDE OF CABINET TRACER CABLE **CABLE PLAN** - EX. INTERCONNECT CABLE (TO REMAIN) - PROP. INTERCONNECT TO 75TH ST

SCHEDULE OF QUANTITIES

TOTAL QTY. <u>UNITS</u> ITEM DESCRIPTION MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH INDUCTIVE LOOP DETECTOR RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT EACH EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT 215.5 FOOT OUTDOOR RATED NETWORK CABLE REMOTE CONTROLLED VIDEO SYSTEM EACH EACH LAYER II (DATALINK) SWITCH FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL

NAPERVILLE

THE TRAFFIC SIGNAL CONTROL EQUIPMENT

SECTION

17-DCCSS-01-TL

FOR THIS PROJECT SHALL BE NTCIP

(LATEST VERSION).

VAR.

COUNTY TOTAL SHEET NO.

DUPAGE 277 16

CONTRACT NO. 61F05

E NAME = pw:\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\Int 54-sht-ts-cable.dgn

TOTAL = 554.5

TS SHT NO. 8

	D	T	7	-
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NTS

TRAFFIC SIGNAL MODERNIZATION PLAN
RICKERT DR AND WEST ST

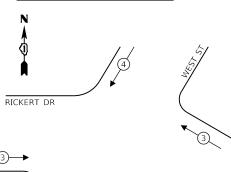
SHEET 9 OF 46 SHEETS STA. TO STA.

AR. 17-DCCSS-01-TL DUPAGE 277 17

CONTRACT NO. 61F05

EXISTING CONTROLLER SEQUENCE RICKERT DR

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

		NO. OF	LED	%	TOTAL
TYPE		LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL	(RED)	16	11	50	88.0
	(YELLOW)	16	20	5	16.0
	(GREEN)	16	12	45	86.4
PERMISSI'	VE ARROW	20	10	10	20.0
PED. SIGI	VAL	8	20	100	160.0
CONTROL	LER.	1	100	100	100.0
UPS		1	25	100	25.0
VIDEO SY	STEM	-	150	100	=
BLANK-OU	JT SIGN	-	25	5	-
FLASHER		-	-	50	-
STREET N	IAME SIGN	-	120	50	-
LUMINAIR	Ε	-	-	-	-
PTZ CAM	ERA	1	75	100	75.0

ENERGY COSTS TO:

CITY OF NAPERVILLE

400 S. EAGLE ST. NAPERVILLE, IL 60540

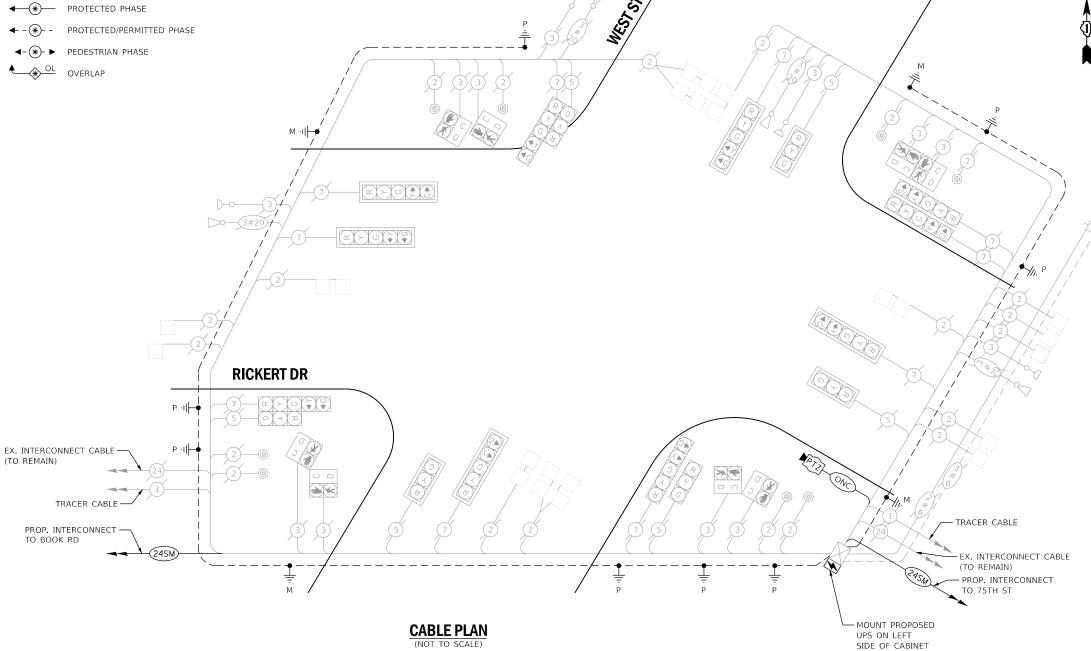
ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

LEGEND:

← - (*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE



SCHEDULE OF QUANTITIES

TOTAL QTY. ITEM DESCRIPTION <u>UNITS</u> MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION GROUNDING EXISTING HANDHOLE FRAME AND COVER EACH ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C 750 FOOT REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH FOOT OUTDOOR RATED NETWORK CABLE EACH REMOTE CONTROLLED VIDEO SYSTEM LAYER II (DATALINK) SWITCH EACH FULL-ACTUATED CONTROLLER IN EXISTING CABINET EACH EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL MODIFY EXISTING CONTROLLER CABINET, SPECIAL EACH

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

NAPERVILLE



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE SECTION PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 17-DCCSS-01-TL RICKERT DR AND WEST ST

DUPAGE 277 18

CONTRACT NO. 61F05

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TOTAL = 570.4

DEPARTMENT OF TRANSPORTATION

VAR.

75TH ST AND PLAINFIELD-NAPERVILLE RD

SHEET 11 OF 46 SHEETS STA.

SCALE: NTS

17-DCCSS-01-TL

DUPAGE 277 19

CONTRACT NO. 61F05

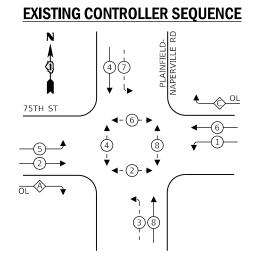
DRAWN - RG

CHECKED - ZH

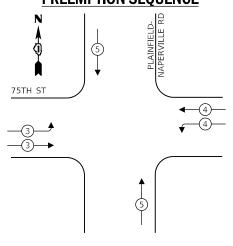
REVISED

REVISED

REVISED



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
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	-
LUMINAIRE	4	250	50	500.0
PTZ CAMERA	1	75	100	75.0
			TOTAL =	1090.2

ENERGY COSTS TO:

TS SHT NO. 12

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

LEGEND:

◆ PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTE PHASE
	-	2	+	3
C	=	6	+	7

LEGEND

LONG RANGE DIRECTIONAL ANTENNA

WIRELESS DETECTION UNIT

WIRELESS ACCESS POINT

OMNI-DIRECTIONAL ANTENNA

COAXIAL CABLE (INCLUDED IN WIRELESS ACCESS POINT)

SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
80.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
90.5	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	WIRELESS ACCESS POINT
1	EACH	DETECTOR BASE STATION
1	EACH	LONG RANGE DIRECTIONAL ANTENNA
8	EACH	WIRELESS DETECTION UNIT
27	EACH	DETECTOR SEALANT PACKAGE
1	EACH	ELECTRIC METER SOCKET



DUDOT

DUPAGE 277 20

CONTRACT NO. 61F05

— EX. INTERCONNECT CABLE (TO REMAIN)

PROP. INTERCONNECT

TO MILLBROOK DR

- TRACER CABLE



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

- EX. INTERCONNECT CABLE (TO REMAIN)

TRACER CABLE

(+)(+)(+)

PLAINFIELD-NAPERVILLE RD

CABLE PLAN

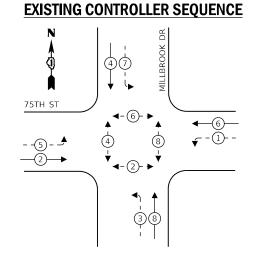
PROP. INTERCONNECT -TO WEST ST

75TH ST

(C)

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE SECTION PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES VAR. 17-DCCSS-01-TL 75TH ST AND RICKERT DR/PLAINFIELD-NAPERVILLE RD
SHEET 12 OF 46 SHEETS STA. TO STA

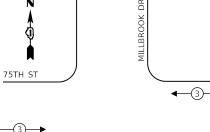
RICKERT DR



LEGEND:

- **◆**PROTECTED PHASE
- ← -(*)- PROTECTED/PERMITTED PHASE
- √-(*)- ► PEDESTRIAN PHASE

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	10	11	50	55.0
(YELLOW)	10	20	5	10.0
(GREEN)	10	12	45	54.0
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	-
LUMINAIRE	-	-	-	-
PTZ CAMERA	-	75	100	-
			TOTAL =	420.0

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

TS SHT NO.

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER

DESIGNED - DW REVISED JSER NAME = dwiktorzak DRAWN - RG REVISED HECKED - ZH REVISED REVISED

TOTAL QTY.

750

10

<u>UNITS</u>

EACH

EACH

EACH

EACH

EACH

EACH

EACH

FACH

EACH

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 75TH ST AND MILLBROOK DR

EX. INTERSECTION

AND SAMPLING (SYSTEM) DETECTORS

- EX. INTERCONNECT CABLE

(TO REMAIN)

TRACER CABLE

PROP. INTERCONNECT TO MODAFF RD

MILLBROOK

 R

75TH ST

EX. INTERSECTION AND SAMPLING (SYSTEM)

DETECTORS

PROP INTERCONNECT TO PLAINFIELD-NAPERVILLE RD

ITEM DESCRIPTION

ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C

RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL

GROUNDING EXISTING HANDHOLE FRAME AND COVER

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM

TRACER CABLE -

EX INTERCONNECT CABLE -(TO REMAIN)

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

CONTROLLER AND CABINET (COMPLETE)

SCHEDULE OF QUANTITIES

INDUCTIVE LOOP DETECTOR

ELECTRIC METER SOCKET

LAYER II (DATALINK) SWITCH

CABLE PLAN

CONSTRUCTION NOTES:

(LATEST VERSION).

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP

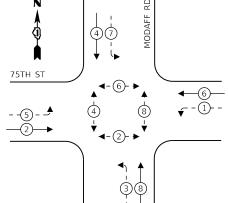
THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET ON EXISTING FOUNDATION. REINSTALL THE EXISTING UNINTERRUPTABLE POWER SUPPLY UNIT, EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT AND ACCESSIBLE PUSHBUTTON HARDWARE.

DUDOT

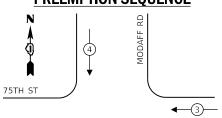
SECTION COUNTY VAR. 17-DCCSS-01-TL DUPAGE 277 21 CONTRACT NO. 61F05

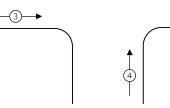
PLOT DATE = 8/28/2018 DATE w:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\Int 15-sht-ts-cable.dgm

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

		NO. OF	LED	%	TOTAL
TYPE		LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL	(RED)	10	11	50	55.0
	(YELLOW)	10	20	5	10.0
	(GREEN)	10	12	45	54.0
PERMISSI	VE ARROW	16	10	10	16.0
PED. SIG	NAL	8	20	100	160.0
CONTROL	LER	1	100	100	100.0
UPS		1	25	100	25.0
VIDEO SY	/STEM	-	150	100	-
BLANK-O	UT SIGN	-	25	5	-
FLASHER		-	-	50	-
STREET 1	NAME SIGN	-	120	50	-
LUMINAIF	RE	2	250	50	250.0
PTZ CAM	ERA	-	75	100	-

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

TS SHT NO. 14

WHEATON, IL 60187
ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD LEGEND:

◆ PROTECTED PHASE

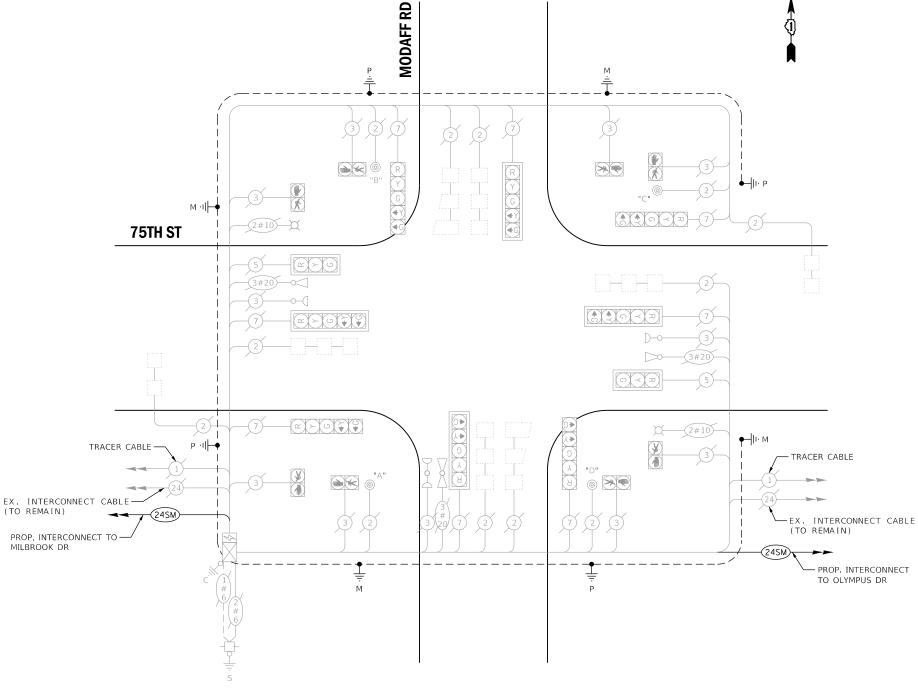
← - (*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

◆ OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTE PHASE
Α	_	2	+	4
В	-	4	+	6
С	=	6	+	8
Б.		2		0



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
GROUNDING EXISTING HANDHOLE FRAME AND COVER
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
LAYER II (DATALINK) SWITCH
MODIFY EXISTING CONTROLLER CABINET, SPECIAL
ELECTRIC METER SOCKET

CABLE PLAN

PUSHBUTTON "A" SHALL PLACE CALLS IN PHASES 2 & 4 PUSHBUTTON "B" SHALL PLACE CALLS IN PHASES 4 & 6 PUSHBUTTON "C" SHALL PLACE CALLS IN PHASES 6 & 8 PUSHBUTTON "D" SHALL PLACE CALLS IN PHASES 2 & 8

DUDOT



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

TOTAL QTY.

10

750

<u>UNITS</u>

EACH

EACH

FOOT

EACH

EACH

EACH

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
75TH ST AND MODAFF RD

TO STA

SHEET 14 OF 46 SHEETS STA TO STA

SECTION COUNTY TOTAL SHEETS NO.

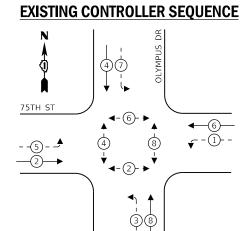
17-DCCSS-01-TL DUPAGE 277 22

CONTRACT NO. 61F05

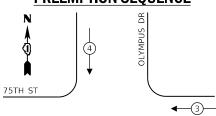
TOTAL = 670.0

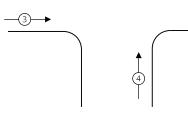
TS SHT NO. 15

JSER NAME = dwiktorzak DESIGNED - DW REVISED TRAFFIC SIGNAL MODERNIZATION PLAN SECTION COUNTY STATE OF ILLINOIS DRAWN - RG REVISED VAR. 17-DCCSS-01-TL DUPAGE 277 23 75TH ST AND OLYMPUS DR **DEPARTMENT OF TRANSPORTATION** CHECKED - ZH REVISED CONTRACT NO. 61F05 SCALE: NTS SHEET 15 OF 46 SHEETS STA. TO STA. REVISED PLOT DATE = 8/28/2018 DATE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

		NO. OF	LED	%	TOTAL
TYPE		LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL	(RED)	10	11	50	55.0
	(YELLOW)	10	20	5	10.0
	(GREEN)	10	12	45	54.0
PERMISSI	VE ARROW	16	10	10	16.0
PED. SIG	NAL	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 N	NAME SIGN	-	120	50	-
LUMINAIR	RE	2	250	50	250.0
PTZ CAM	ERA	1	75	100	75.0

ENERGY COSTS TO:

TS SHT NO, 16

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER

DESIGNED - DW REVISED JSER NAME = dwiktorzak DRAWN - RG REVISED CHECKED - ZH REVISED

DATE

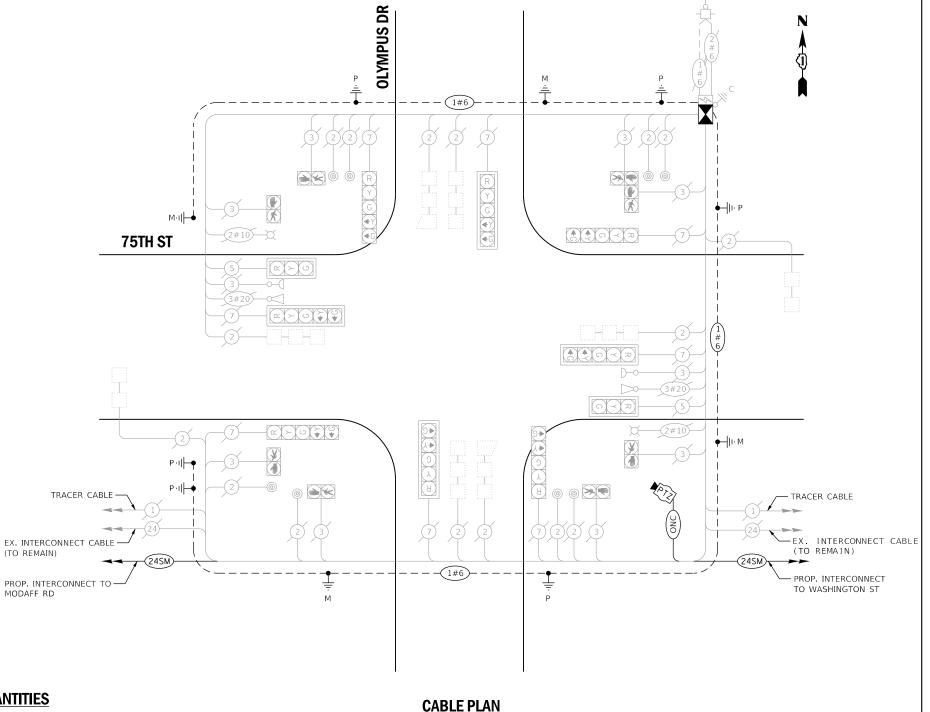
REVISED

LEGEND:

◆ * PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE



(NOT TO SCALE)

SCHEDULE OF QUANTITIES

TOTAL QTY. <u>UNITS</u> ITEM DESCRIPTION EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH GROUNDING EXISTING HANDHOLE FRAME AND COVER 750 ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C EACH INDUCTIVE LOOP DETECTOR RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT EACH EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT FOOT OUTDOOR RATED NETWORK CABLE REMOTE CONTROLLED VIDEO SYSTEM EACH EACH LAYER II (DATALINK) SWITCH EACH FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL EACH RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM EACH ELECTRIC METER SOCKET

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

MODAFF RD

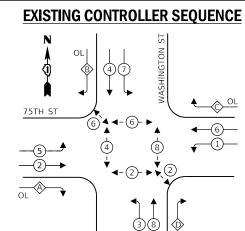
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

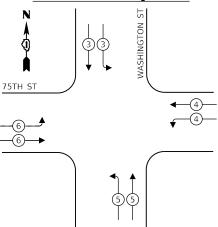


PLOT DATE = 8/28/2018

TOTAL = 745.0



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	26	11	50	143.0
(YELLOW)	26	20	5	26.0
(GREEN)	26	12	45	140.4
PERMISSIVE ARROW	20	10	10	20.0
PED. SIGNAL	12	20	100	240.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	-	-	-	-
PTZ CAMERA	1	75	100	75.0
			TOTAL =	1159.4

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

TS SHT NO. 17

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704

COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER

DESIGNED - DW JSER NAME = dwiktorzak REVISED DRAWN - RG REVISED CHECKED - ZH REVISED REVISED PLOT DATE = 8/28/2018 DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

FF

TRACER CABLE -

75TH ST

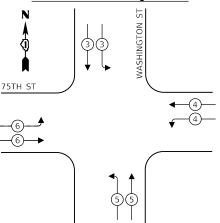
EX. INTERCONNECT CABLE

(TO REMAIN)

PROP. INTERCONNECT TO HOBSON RD

> CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 75TH ST AND WASHINGTON ST

SECTION 17-DCCSS-01-TL DUPAGE 277 25 CONTRACT NO. 61F05



REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

EX. INTERCONNECT CABLE

EX. INTERCONNECT -TO OLYMPUS DR

EX. INTERSECTION AND SAMPLING (SYSTEM)
DETECTORS

TRACER CABLE

REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

(TO REMAIN)

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

EACH MASTER CONTROLLER

LEGEND:

◆ PROTECTED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

> PERMISSIVE PHASE

PROTECTED/PERMITTED PHASE

PEDESTRIAN PHASE

SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER SOCKET

CABLE PLAN

-(1#6)

EX. INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

12 4167

TRACER CABLE

EX. INTERCONNECT CABLE

TO BAILEY RD (TO REMAIN)

75th St

EXISITNG LAYER II SWITCH TO REMAIN IN USE FOR NAPERVILLE CTMS NETWORK. PROPOSED LAYER II SWITCH WILL BE PROVISIONED FOR DUDOT NETWORK.

EX. INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

DUDOT

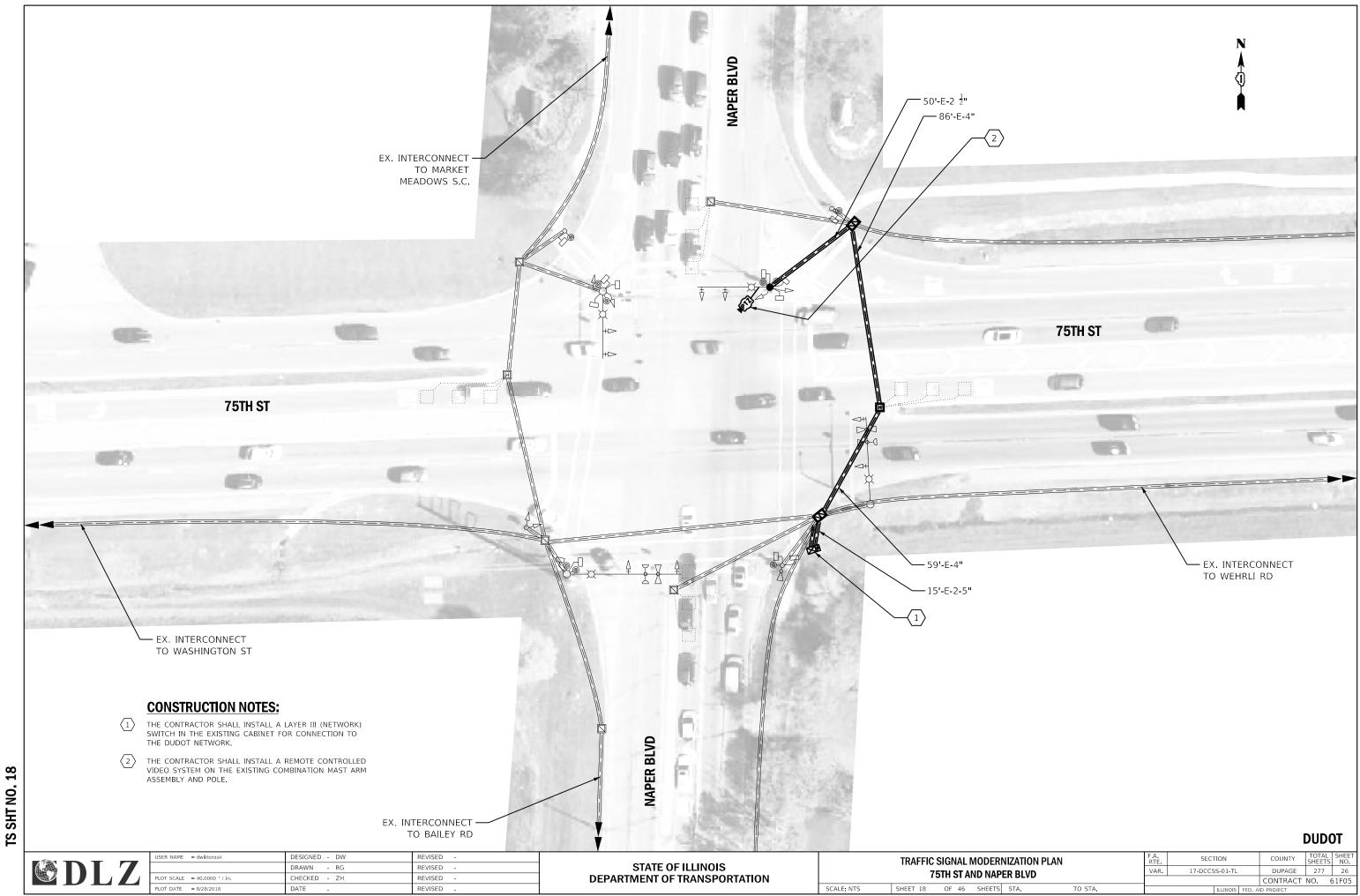
PROP. INTERCONNECT TO NAPER BLVD

EX. INTERCONNECT CABLE

EX. INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

(TO REMAIN)

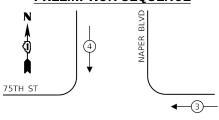
- TRACER CABLE

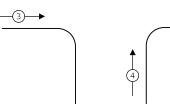


EXISTING CONTROLLER SEQUENCE 47 75TH ST

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

38





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	15	11	50	82.5
(YELLOW)	15	20	5	15.0
(GREEN)	15	12	45	81.0
PERMISSIVE ARROW	24	10	10	24.0
PED. SIGNAL	12	20	100	240.0
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	-
LUMINAIRE	-	-	-	-
PTZ CAMERA	1	75	100	75.0

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187 ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER

LEGEND:

◆ * PROTECTED PHASE

◆ - (*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP <u>LETTER</u>		PERMISSIVE PHASE		PROTECTED PHASE
А	=	2	+	3
В	-	4	+	5
С	-	6	+	7

TOTAL QTY.

750

302

DESIGNED - DW

DRAWN - RG

CHECKED - ZH

DATE

<u>UNITS</u>

EACH

EACH

FOOT

FOOT

EACH

EACH

EACH

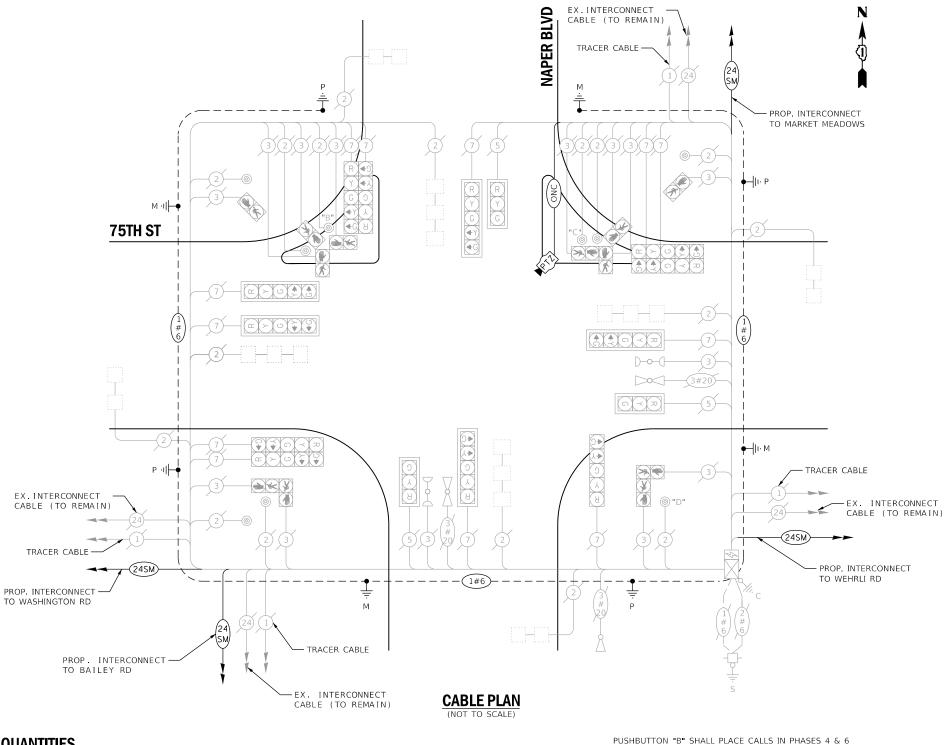
EACH

REVISED

REVISED

REVISED

REVISED



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION GROUNDING EXISTING HANDHOLE FRAME AND COVER ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C OUTDOOR RATED NETWORK CABLE REMOTE CONTROLLED VIDEO SYSTEM

MODIFY EXISTING CONTROLLER CABINET, SPECIAL LAYER III (NETWORK) SWITCH

ELECTRIC METER SOCKET

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 75TH ST AND NAPER BLVD

COUNTY DUPAGE 277 27 17-DCCSS-01-TL CONTRACT NO. 61F05

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUDOT

PUSHBUTTON "C" SHALL PLACE CALLS IN PHASES 6 & 8 PUSHBUTTON "D" SHALL PLACE CALLS IN PHASES 2 & 8

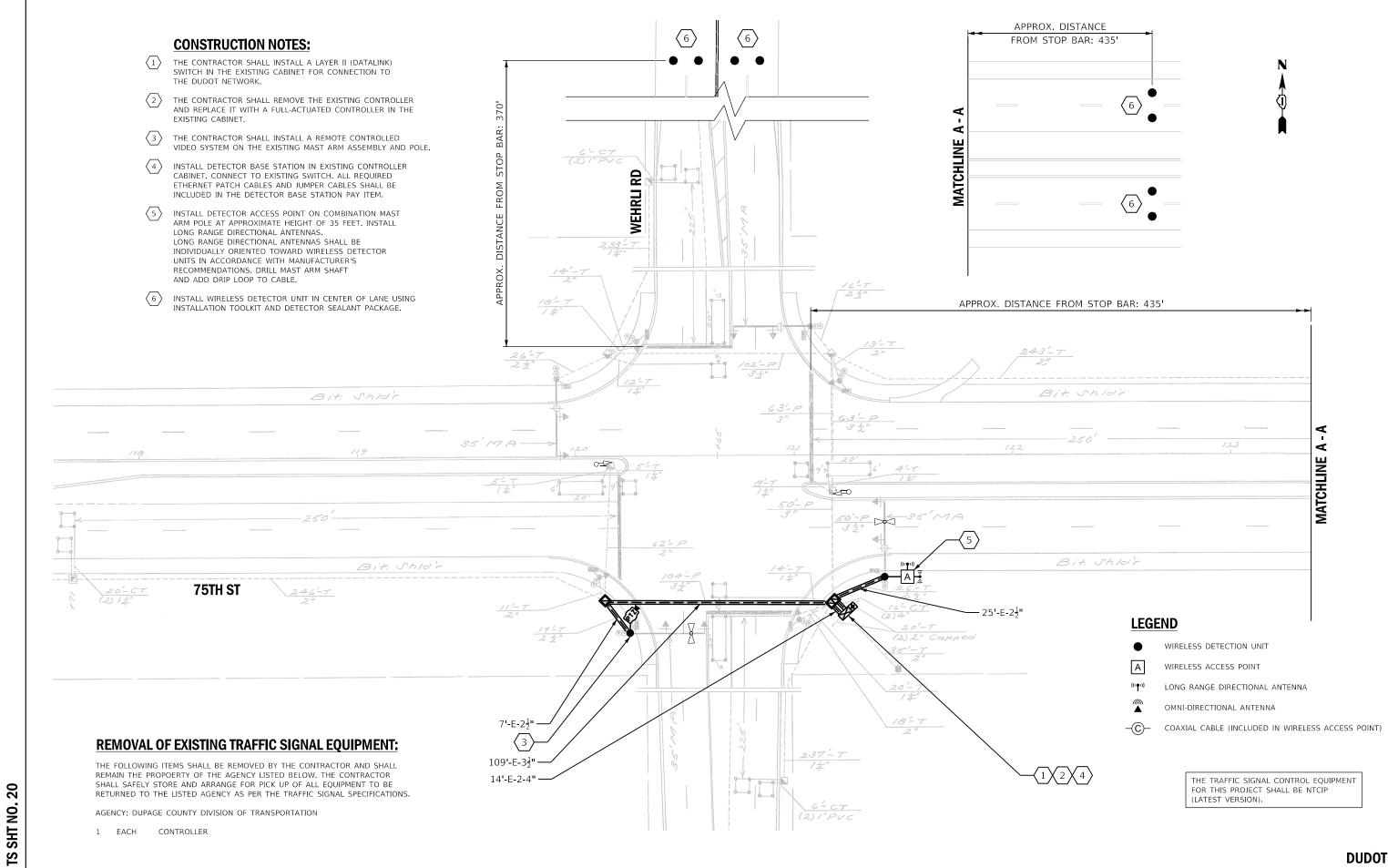
SECTION

:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\Int 9-sht-ts-cable.dgr

JSER NAME = dwiktorzak

PLOT DATE = 8/28/2018

TOTAL = 642.5



©DLZ

 USER NAME
 = dwiktorzak
 DESIGNED
 DW
 REVISED

 PLOT SCALE
 = 40,0000 ' / in.
 CHECKED
 ZH
 REVISED

 PLOT DATE
 = 8/28/2018
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
75TH ST AND WEHRLI RD

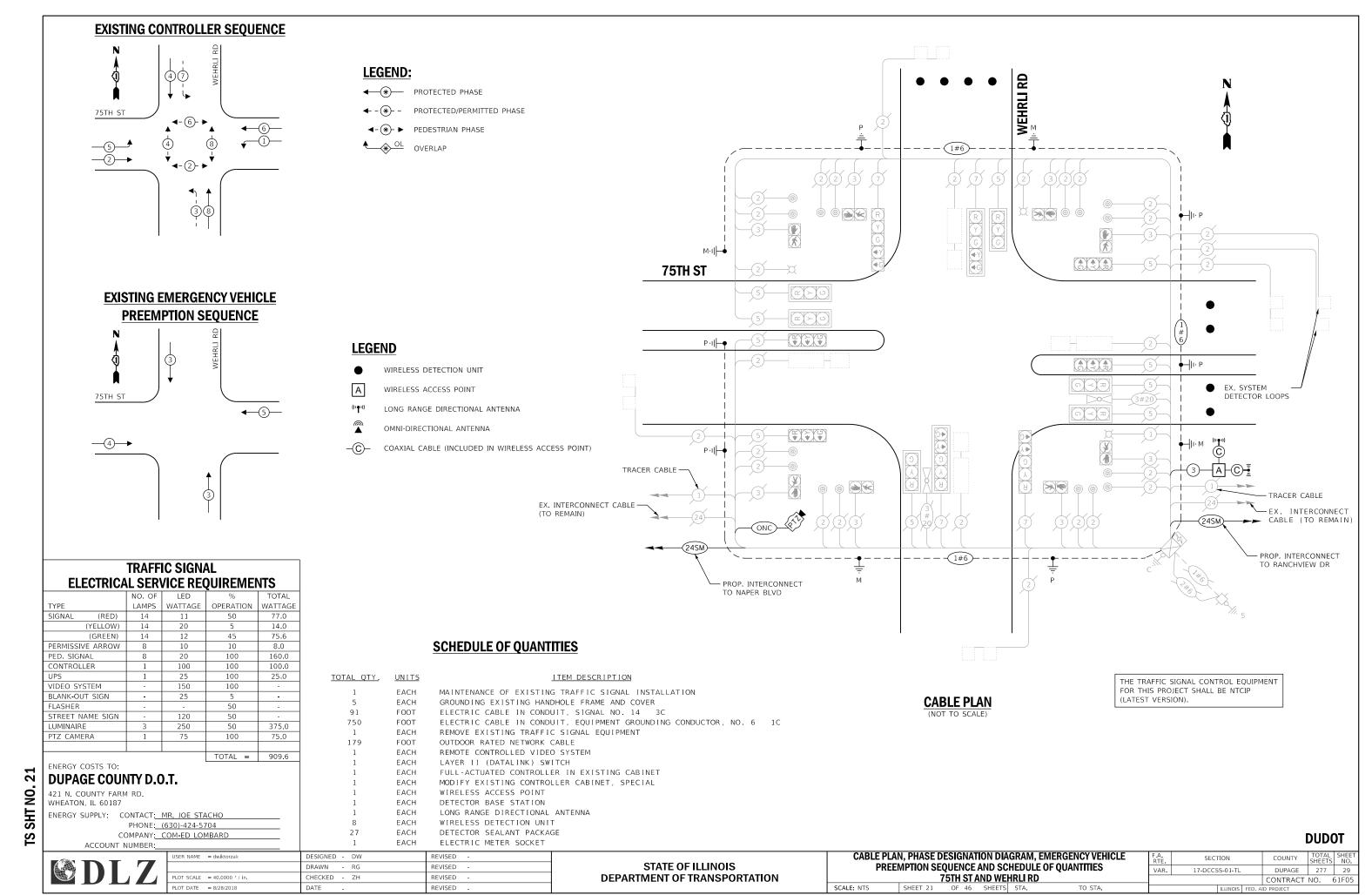
SHEET 20 OF 46 SHEETS STA. TO STA.

SCALE: NTS

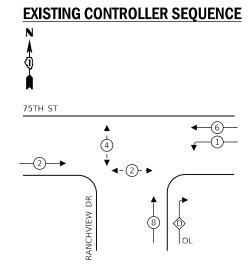
F.A. RTE. SECTION COUNTY TOTAL SHEET NO.

VAR. 17-DCCSS-01-TL DUPAGE 277 28

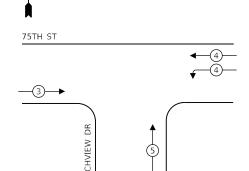
CONTRACT NO. 61F05



LE NAME = pw:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\Int 8-sht-ts-cable.dgn



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	4	10	10	4.0
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	-
LUMINAIRE	2	250	50	250.0
PTZ CAMERA	-	75	100	-
			TOTAL =	601.8

ENERGY COSTS TO:

TS SHT NO.

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER

LEGEND:

◆ * PROTECTED PHASE

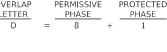
← - (*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP

OVERLAP PERMISSIVE PROTECTED

PHASE DESIGNATION:



REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

CONTROLLER EACH

TRACER CABLE EX. INTERCONNECT CABLE TO GREENE RD (TO REMAIN) 75TH ST ф-||I- М TRACER CABLE -RANCHVIEW DR EX. INTERCONNECT CABLE - (TO REMAIN) (1#6)-PROP. INTERCONNECT TO WEHRLI RD

CABLE PLAN

SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATIO
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER SOCKET

DUDOT



JSER NAME = dwiktorzak DESIGNED - DW REVISED DRAWN - RG REVISED CHECKED - ZH REVISED REVISED PLOT DATE = 8/28/2018 DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES VAR. 75TH ST AND RANCHVIEW DR

SECTION COUNTY DUPAGE 277 30 17-DCCSS-01-TL CONTRACT NO. 61F05

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP

(LATEST VERSION).

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USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

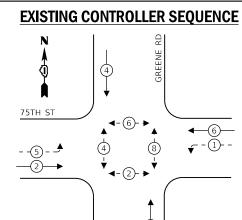
SCALE: NTS

TRAFFIC SIGNAL MODERNIZATION PLAN							9
	75TH ST AND GREENE RD						17-D
		0111 01 7	in Gine	LIVE IVE			
	SHEET 23	OF 46	SHEETS	STA.	TO STA.		

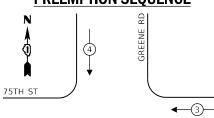
COUNTY TOTAL SHEET NO.

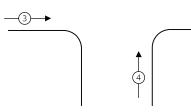
DUPAGE 277 31 SECTION 7-DCCSS-01-TL CONTRACT NO. 61F05

DUDOT



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	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	-
LUMINAIRE	2	250	50	250.0
PTZ CAMERA	1	75	100	75.0

ENERGY COSTS TO:

TS SHT NO. 24

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704
COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:__

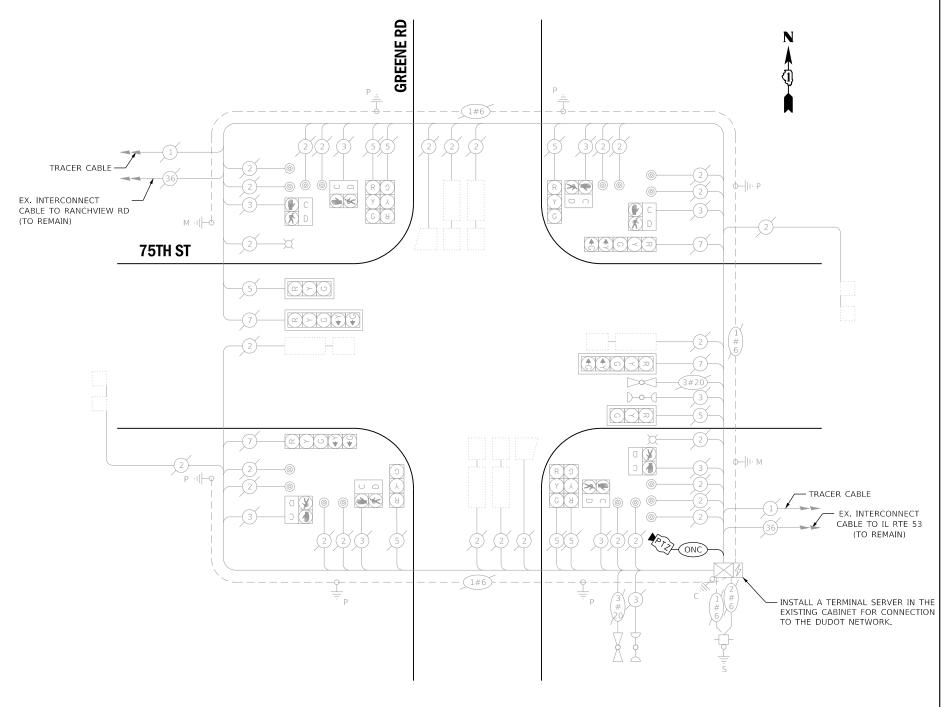
LEGEND:

◆ PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

W OL OVERLA



CABLE PLAN (NOT TO SCALE)

SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
97.5	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	TERMINAL SERVER
1	EACH	ELECTRIC METER SOCKET

CONNECT TERMINAL SERVER TO EXISTING INTERCONNECT CABLE RUNNING TO IL 53/75TH STREET TO MAINTAIN IDOT CONTROLLERS SERIAL COMMUNICATIONS ON THE DUDOT CENTRACS SYSTEM.

DUDOT



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES

75TH ST AND GREENE RD

TO STA.

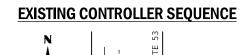
SHEET 24 OF 46 SHEETS STA. TO STA.

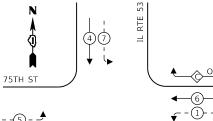
SECTION COUNTY TOTAL SHEETS NO.

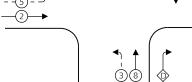
R. 17-DCCSS-01-TL DUPAGE 277 32

CONTRACT NO. 61F05

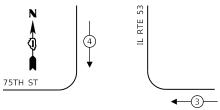
TOTAL = 760.8

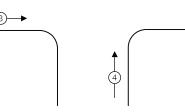






EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	24	10	10	24.0
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	=
LUMINAIRE	-	-	•	-
PTZ CAMERA	-	75	100	=
			TOTAL =	339.4

ENERGY COSTS TO:

TS SHT NO. 25

ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS/DISTRICT 1 201 WEST CENTER COURT/ SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: MR. DAVE SCHACHT

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

ACCOUNT NUMBER

LEGEND:

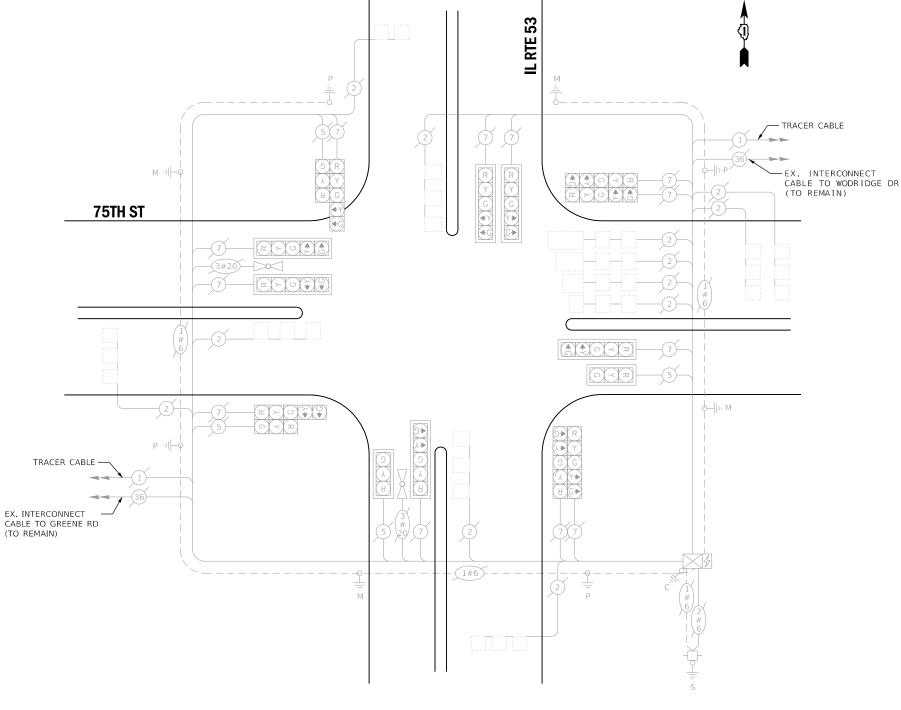
◆ * PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

◄-*- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

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



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION TOTAL QTY. <u>UNITS</u> MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

> **DUDOT** TS 6220



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE SECTION PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 17-DCCSS-01-TL 75TH ST AND IL RTE 53
OF 46 SHEETS STA.

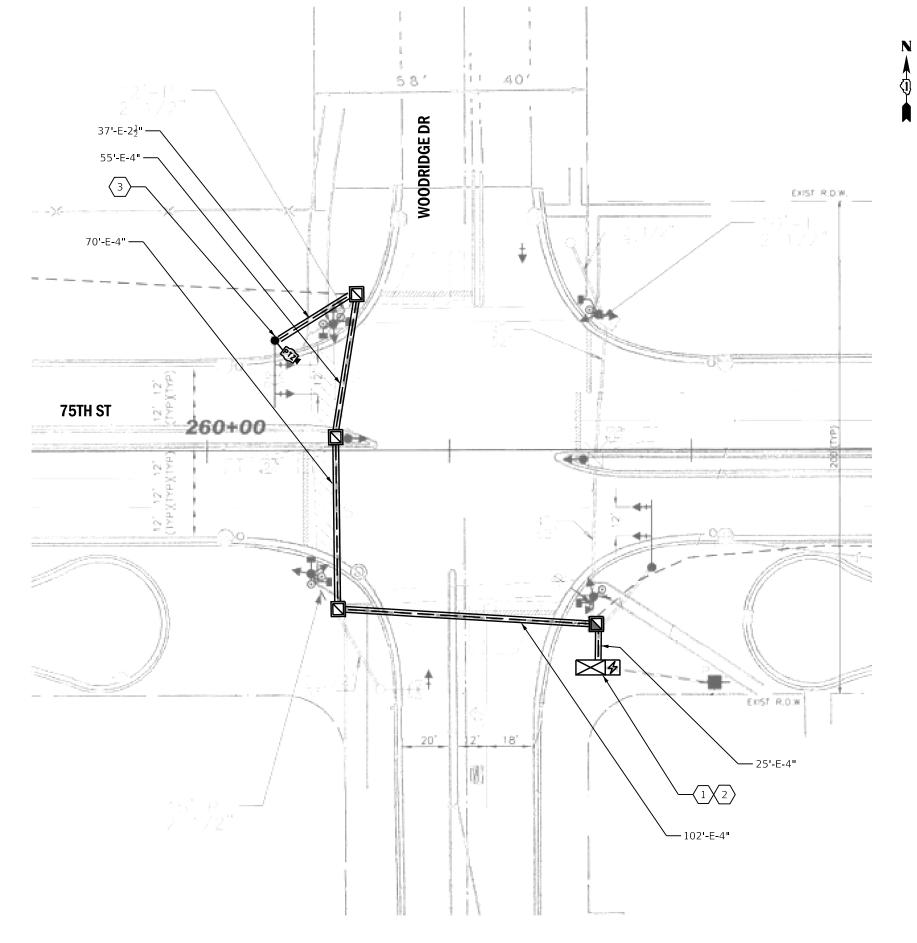
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPOERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

1 EACH CONTROLLER

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL INSTALL A LAYER II (DATALINK) SWITCH IN THE EXISTING CABINET FOR CONNECTION TO THE DUDOT NETWORK.
- THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER IN THE EXISTING CABINET. REINSTALL THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT.
- THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM AND A CAMERA MOUNTING ASSEMBLY ON THE EXISTING TRAFFIC SIGNAL MAST ARM ASSEMBLY AND POLE.



SCALE: NTS

TS SHT NO. 26

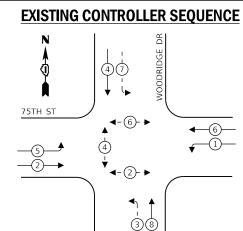
DESIGNED - DW REVISED DRAWN - RG REVISED CHECKED - ZH REVISED PLOT DATE = 8/28/2018 REVISED DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

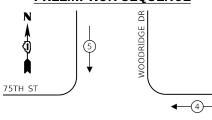
TRAFFIC SIGNAL MODERNIZATION PLAN 75TH ST AND WOODRIDGE DR SHEET 26 OF 46 SHEETS STA. TO STA.

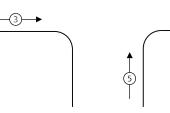
SECTION COUNTY 17-DCCSS-01-TL DUPAGE 277 34 VAR. CONTRACT NO. 61F05

DUDOT



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	-	10	10	-
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	-
LUMINAIRE	-	-	-	-
PTZ CAMERA	1	75	100	75.0

ENERGY COSTS TO:

27

TS SHT NO.

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

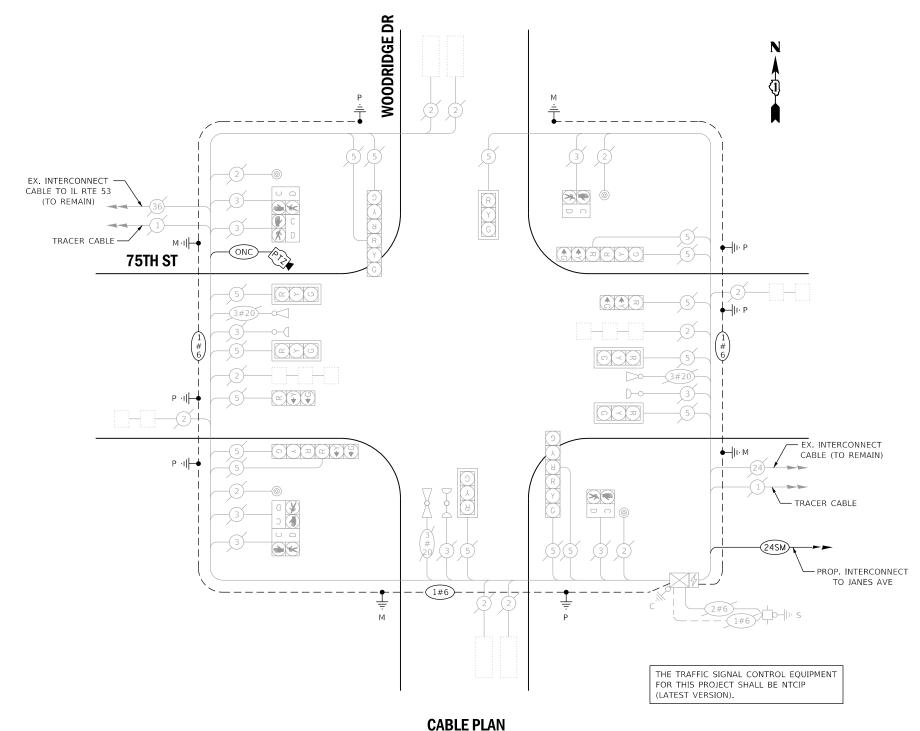
ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

LEGEND:

- **◆ * PROTECTED PHASE**
- ← (*)- PROTECTED/PERMITTED PHASE
- √-(*)- ► PEDESTRIAN PHASE
- ♦ OL OVERLAP



(NOT TO SCALE)

SCHEDULE OF QUANTITIES

TOTAL QTY. <u>UNITS</u> ITEM DESCRIPTION MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH EACH GROUNDING EXISTING HANDHOLE FRAME AND COVER ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C 750 FOOT REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH CAMERA MOUNTING ASSEMBLY EACH 365 FOOT OUTDOOR RATED NETWORK CABLE EACH REMOTE CONTROLLED VIDEO SYSTEM FULL-ACTUATED CONTROLLER IN EXISTING CABINET EACH EACH MODIFY EXISTING CONTROLLER CABINET, SPECIAL EACH LAYER III (DATALINK) SWITCH ELECTRIC METER SOCKET EACH

DUDOT



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

								'		J 1
CABLE PLAN, PHASE DESIG		,		F.A. RTE	SECT	ΓΙΟΝ		COUNTY	TOTAL SHEETS	SHEET NO.
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES			VAR.	17-DCCS	S-01-TL		DUPAGE	277	35	
75TH ST AND WOODRIDGE DR								CONTRACT	NO.	61F05
SCALE: NTS SHEET 27 OF	46 SHEETS	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		

TOTAL = 510.4

TS SHT NO, 28

ODLZ

USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC	SIGNAL N 75TH ST A		NIZATION PLAN IES AVE	
SHEET 28	OF 46	SHEETS	STA.	TO S

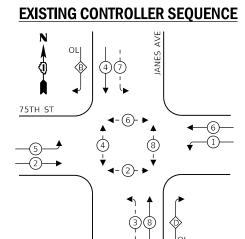
SCALE: NTS

 F.A. RTE.
 SECTION
 COUNTY SHEETS
 TOTAL SHEETS
 SHEETS NO.

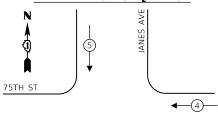
 VAR.
 17-DCCSS-01-TL
 DUPAGE
 277
 36

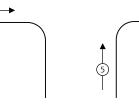
 CONTRACT
 NO.
 61F05

DUDOT



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
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	-
LUMINAIRE	4	250	50	500.0
PTZ CAMERA	1	75	100	75.0

ENERGY COSTS TO:

TS SHT NO.

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187 ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

LEGEND:

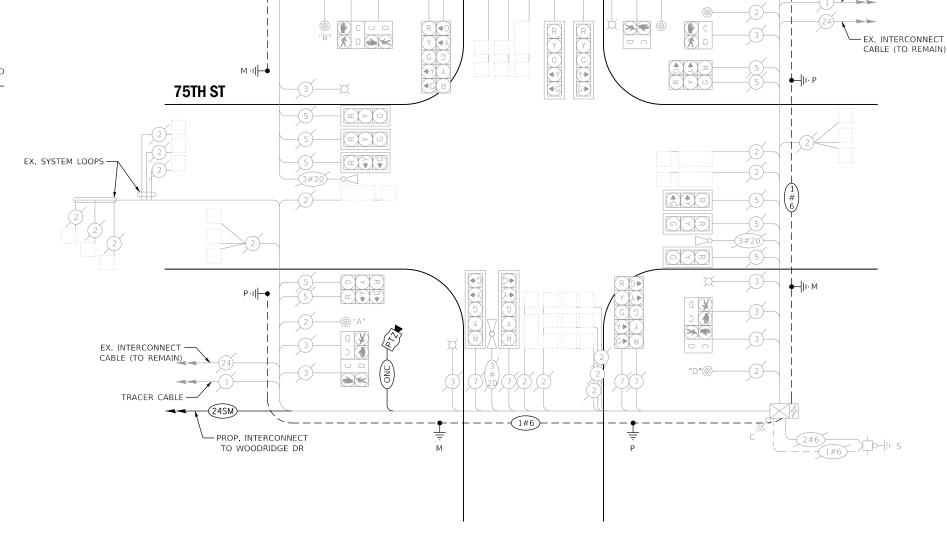
◆ * PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP		PERMISSIVE		PROTECT
LETTER		PHASE		PHASE
В	=	4	+	5
_				1



JANES AVE

1#6

SCHEDULE OF QUANTITIES

TOTAL QTY. <u>UNITS</u> ITEM DESCRIPTION MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION GROUNDING EXISTING HANDHOLE FRAME AND COVER EACH ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C 750 FOOT 234 FOOT OUTDOOR RATED NETWORK CABLE EACH REMOTE CONTROLLED VIDEO SYSTEM EACH LAYER II (DATALINK) SWITCH MODIFY EXISTING CONTROLLER CABINET, SPECIAL EACH EACH ELECTRIC METER SOCKET

CABLE PLAN (NOT TO SCALE)

> PUSHBUTTON "A" SHALL PLACE CALLS IN PHASES 2 & 4 PUSHBUTTON "B" SHALL PLACE CALLS IN PHASES 4 & 6

> PUSHBUTTON "D" SHALL PLACE CALLS IN PHASES 2 & 8

DUDOT

PROP. INTERCONNECT TO I-355 WEST RAMP

- TRACER CABLE



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE SECTION PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 17-DCCSS-01-TL DUPAGE 277 37 75TH ST AND JANES AVE CONTRACT NO. 61F05

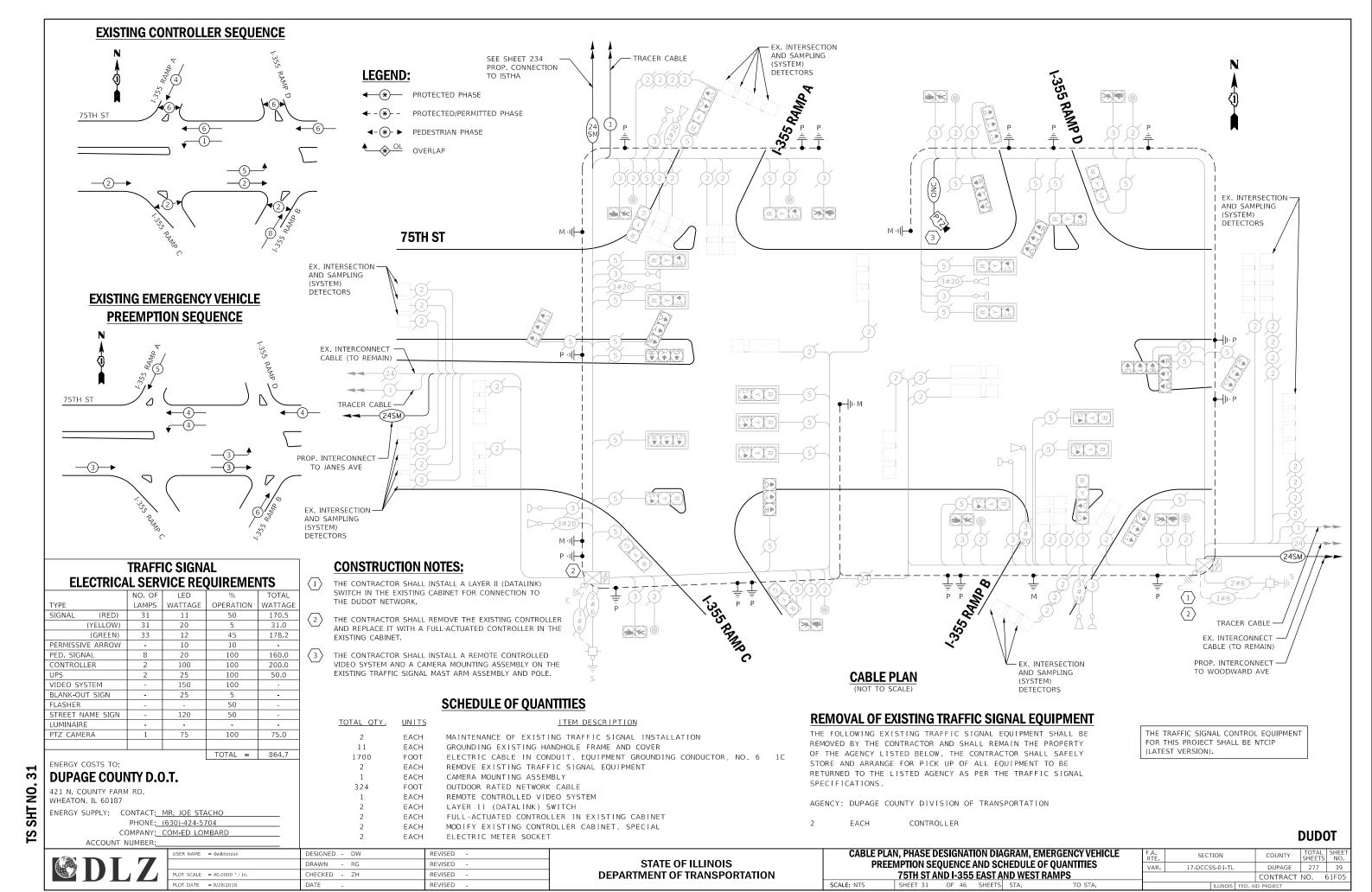
TOTAL = 1090.2

COUNTY

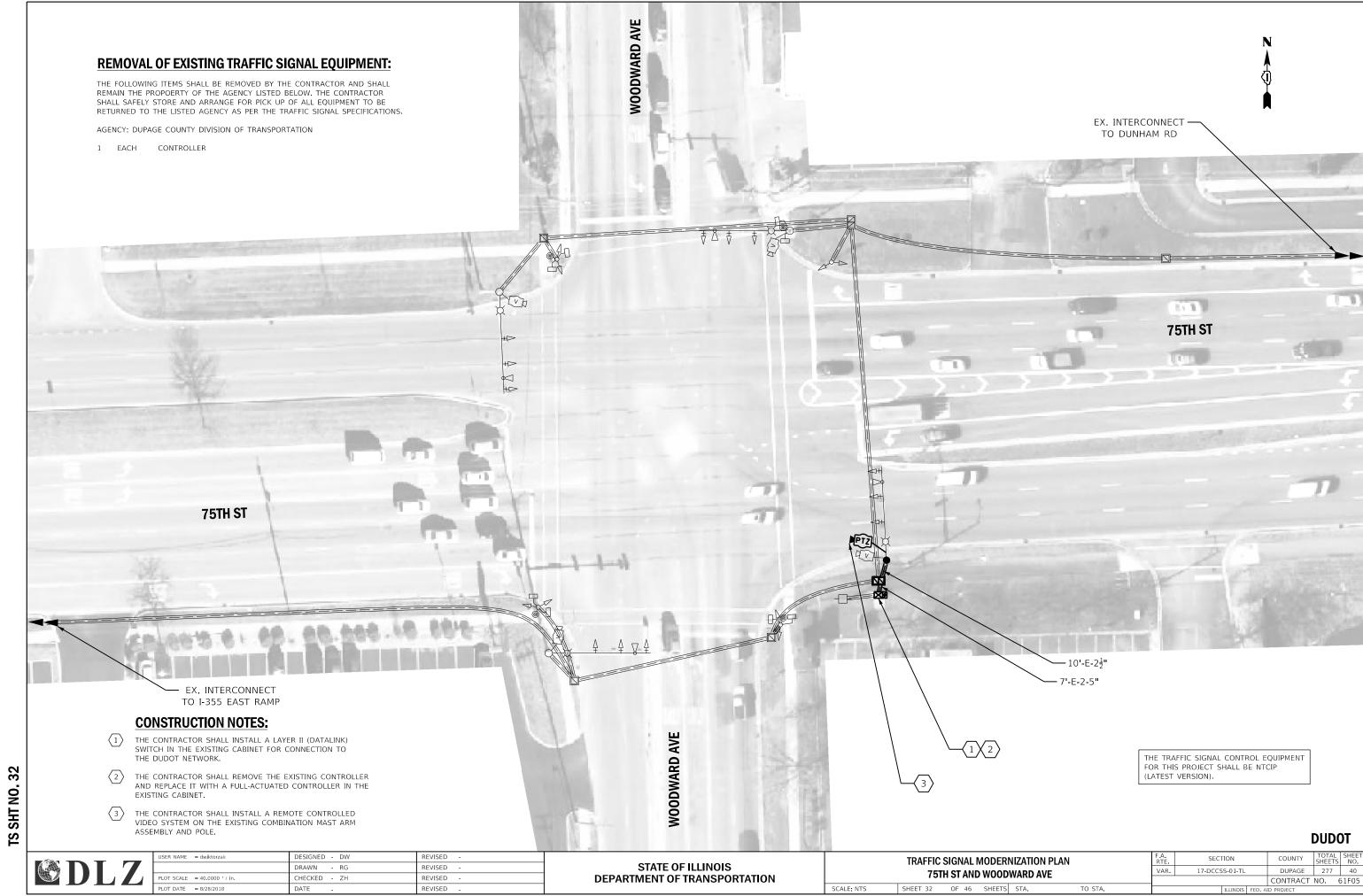
PLOT DATE = 8/28/2018 DATE

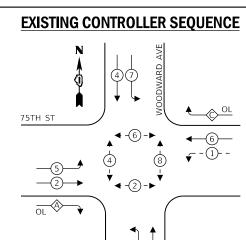
REVISED

SCALE: NTS



LE NAME = pw:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\Int 1-sht-ts-cable.dgn





LEGEND:

◆ * PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

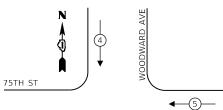
√-(*)- ► PEDESTRIAN PHASE

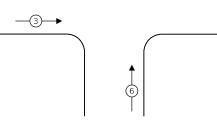
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP <u>LETTER</u>		PERMISSIVE PHASE		
A C	=	2 6	+	3 7

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

38





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	-	25	100	-
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	=
LUMINAIRE	4	250	50	500.0
PTZ CAMERA	1	75	100	75.0
			TOTAL =	1231.0

421 N. COUNTY FARM RD.

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

ACCOUNT NUMBER:

USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

TOTAL QTY.

750

89.5

<u>UNITS</u>

EACH

FOOT

EACH

FOOT

EACH

EACH

EACH

EACH

EACH

DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 75TH ST AND WOODWARD AVE

WOODWARD AVE

SECTION COUNTY DUPAGE 277 41 17-DCCSS-01-TL CONTRACT NO. 61F05

SCHEDULE OF QUANTITIES

OUTDOOR RATED NETWORK CABLE

LAYER II (DATALINK) SWITCH

ELECTRIC METER SOCKET

REMOTE CONTROLLED VIDEO SYSTEM

CAB	LE	PLAN
(NOT	ТО	SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

PROP. INTERCONNECT TO DUNHAM RD

EX. INTERCONNECT CABLE (TO REMAIN)

TRACER CABLE

ENERGY COSTS TO:

TS SHT NO. 33

DUPAGE COUNTY D.O.T.

WHEATON, IL 60187

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

STATE OF ILLINOIS

75TH ST

EX.INTERCONNECT CABLE (TO REMAIN)

TRACER CABLE -

PROP. INTERCONNECT -TO I-355 EAST RAMP

ITEM DESCRIPTION

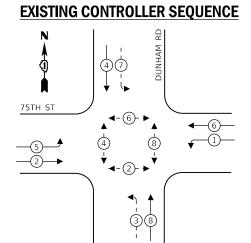
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION GROUNDING EXISTING HANDHOLE FRAME AND COVER

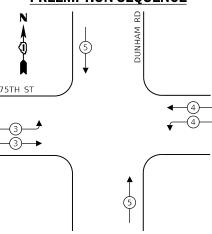
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

FULL-ACTUATED CONTROLLER IN EXISTING CABINET

MODIFY EXISTING CONTROLLER CABINET, SPECIAL



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

		NO. OF	LED	%	TOTAL
TYPE		LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL	(RED)	20	11	50	110.0
	(YELLOW)	20	20	5	20.0
	(GREEN)	20	12	45	108.0
PERMISSI	VE ARROW	8	10	10	8.0
PED. SIG	NAL	8	20	100	160.0
CONTROL	LER	1	100	100	100.0
UPS		1	25	100	25.0
VIDEO SY	/STEM	-	150	100	-
BLANK-O	UT SIGN	-	25	5	-
FLASHER		-	-	50	-
STREET 1	NAME SIGN	2	120	50	120.0
LUMINAIF	RE	4	250	50	500.0
PTZ CAM	ERA	-	75	100	-

ENERGY COSTS TO:

TS SHT NO. 34

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

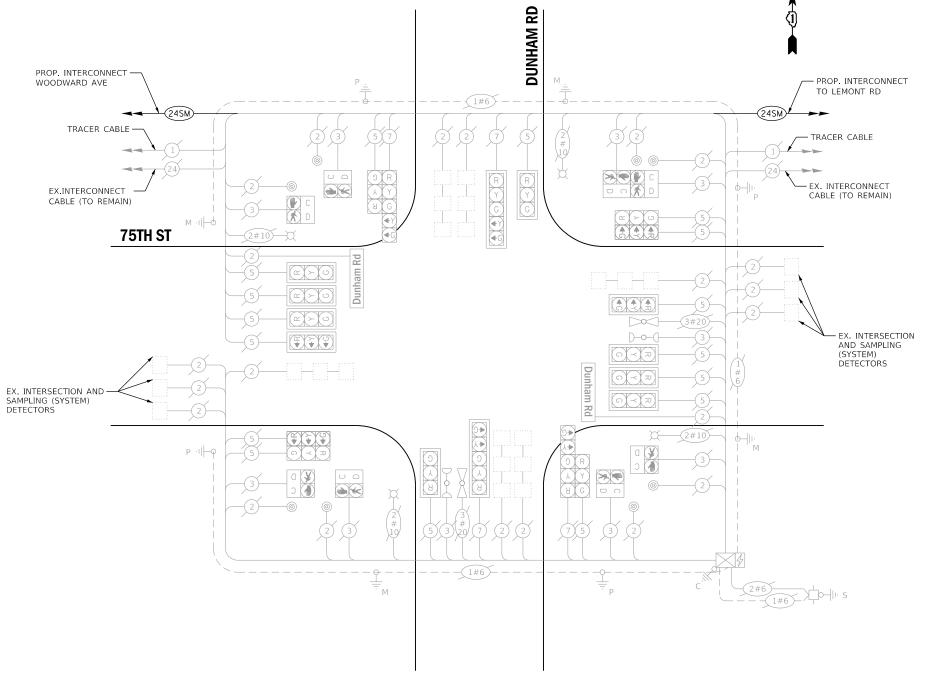
PHONE: (630)-424-5704

COMPANY: COM-ED LOMBARD ACCOUNT NUMBER:

LEGEND:

◆ PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE



CABLE PLAN (NOT TO SCALE)

SCHEDULE OF QUANTITIES

TOTAL Q	TY. <u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER SOCKET

DUDOT

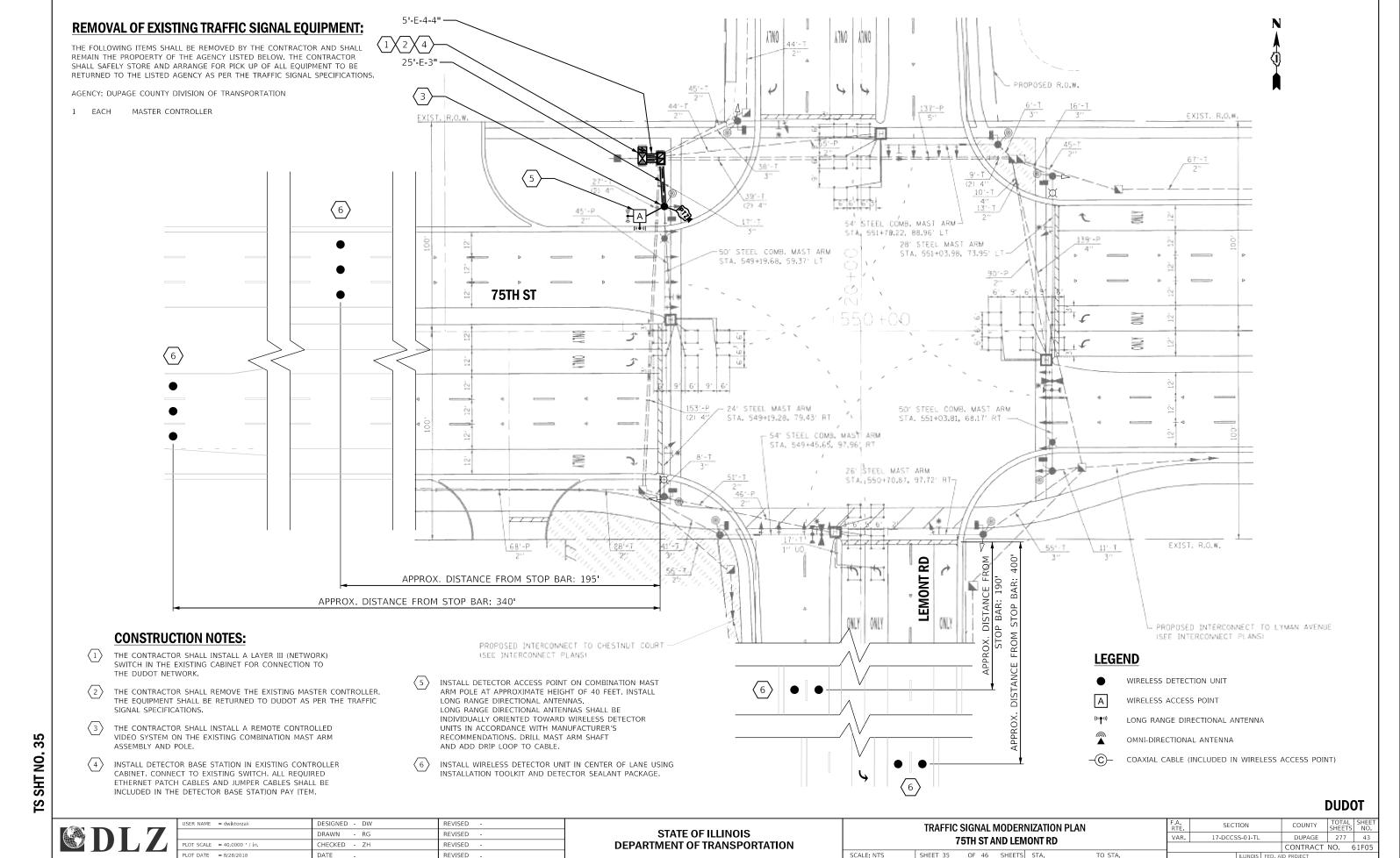


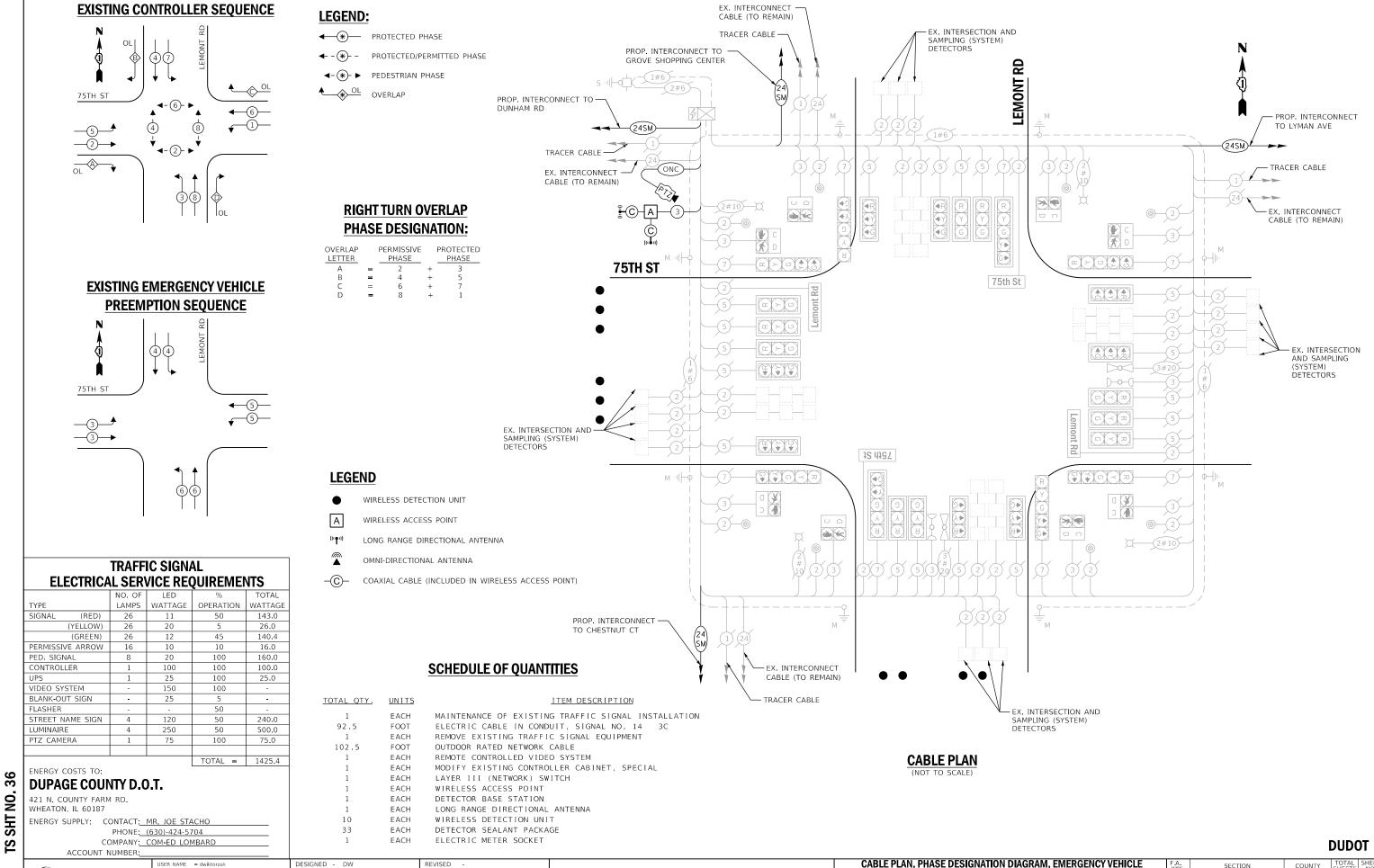
JSER NAME = dwiktorzak DESIGNED - DW REVISED DRAWN - RG REVISED CHECKED - ZH REVISED REVISED PLOT DATE = 8/28/2018 DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE SECTION COUNTY PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 17-DCCSS-01-TL DUPAGE 277 42 75TH ST AND DUNHAM RD CONTRACT NO. 61F05

v:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\Int 21-sht-ts-cable.dgm

TOTAL = 1151.0





STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

SECTION

17-DCCSS-01-TL

VAR.

PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES

75TH ST AND LEMONT RD

COUNTY

DUPAGE 277 44

CONTRACT NO. 61F05

v:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\Int 22-sht-ts-cable.dgr

DRAWN - RG

CHECKED - ZH

DATE

REVISED

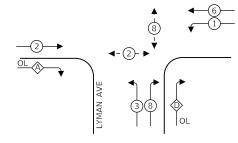
REVISED

JSER NAME = dwiktorzak

PLOT DATE = 8/28/2018

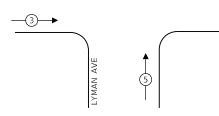


75TH ST



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

				70	IOTAL
TYPE		LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL	(RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
	(GREEN)	13	12	45	70.2
PERMISSIVE	ARROW	4	10	10	4.0
PED. SIGNA	AL.	4	20	100	80.0
CONTROLL	ΞR	1	100	100	100.0
UPS		1	25	100	25.0
VIDEO SYS	TEM	-	150	100	-
BLANK-OUT	SIGN	-	25	5	-
FLASHER		-	=	50	
STREET NA	ME SIGN	2	120	50	120.0
LUMINAIRE		2	250	50	250.0
PTZ CAMER	RA	-	75	100	
				TOTAL =	733.7

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187 ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

LEGEND:

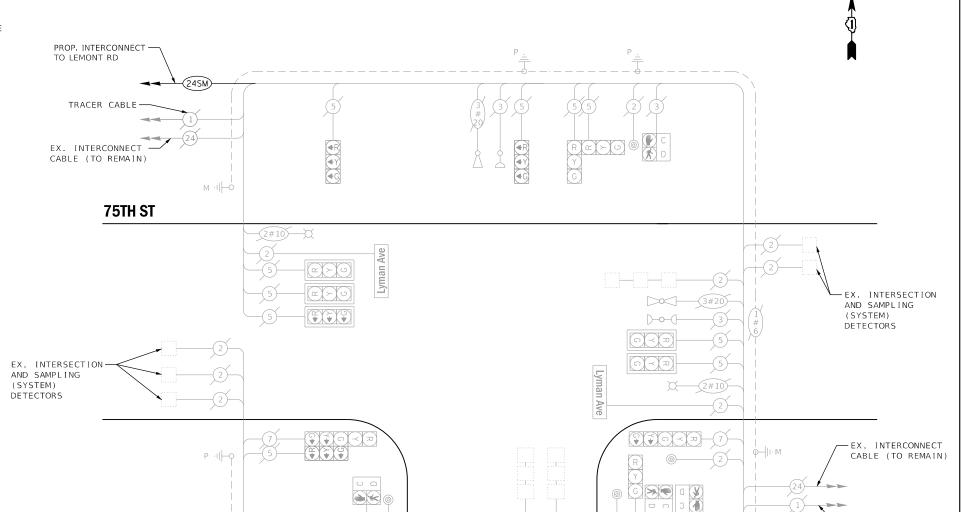
◆ * PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP <u>LETTER</u>		PERMISSIVE PHASE		PROTECTE PHASE
Α	_	2	+	3
D.	_	0		1



CABLE PLAN

(NOT TO SCALE)

LYMAN AVE

SCHEDULE OF QUANTITIES

TOTAL QTY. ITEM DESCRIPTION <u>UNITS</u> MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH LAYER II (DATALINK) SWITCH EACH MODIFY EXISTING CONTROLLER CABINET, SPECIAL EACH ELECTRIC METER SOCKET EACH

DUDOT

TRACER CABLE

PROP. INTERCONNECT

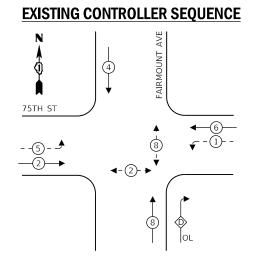
TO FAIRMOUNT AVE



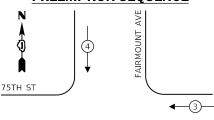
DESIGNED - DW REVISED JSER NAME = dwiktorzak DRAWN - RG REVISED CHECKED - ZH REVISED REVISED PLOT DATE = 8/28/2018 DATE

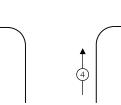
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE SECTION PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 75TH ST AND LYMAN AVE
OF 46 SHEETS STA.

COUNTY DUPAGE 277 45 17-DCCSS-01-TL CONTRACT NO. 61F05



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	12	10	10	12.0
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	-
LUMINAIRE	2	250	50	250.0
PTZ CAMERA	-	75	100	-
			TOTAL =	609.8

ENERGY COSTS TO:

TS SHT NO. 38

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704
COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER

LEGEND:

◆ * PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

√- (*)- PEDESTRIAN PHASE

*OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP		PERMISSIVE		PROTECT
LETTER		PHASE		PHASE
	_	8	+	1

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

EACH CONTROLLER AND CABINET (COMPLETE)

SCHEDULE OF QUANTITIES

TOTAL QTY. <u>UNITS</u> ITEM DESCRIPTION MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION GROUNDING EXISTING HANDHOLE FRAME AND COVER EACH ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C 750 FOOT EACH INDUCTIVE LOOP DETECTOR EACH RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH EACH LAYER II (DATALINK) SWITCH EACH FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL EACH ELECTRIC METER SOCKET

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

-EX. INTERCONNECT CABLE (TO REMAIN)

TRACER CABLE

PROP. INTERCONNECT

TO FAIRVIEW AVE



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROP. INTERCONNECT

TO LYMAN AVE

75TH ST

TRACER CABLE -

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
75TH ST AND FAIRMOUNT AVE

NITS SHEET 38 OF 46 SHEETS STA TO STA

CABLE PLAN

 A. E.
 SECTION
 COUNTY SHEETS NO.
 TOTAL SHEETS NO.

 AR.
 17-DCCSS-01-TL
 DUPAGE
 277
 46

 CONTRACT NO.
 61F05

© DLZ

 USER NAME
 = dwiktorzak
 DESIGNED
 - DW
 REVISED

 DRAWN
 - RG
 REVISED

 PLOT SCALE
 = 40.0000 ' / in.
 CHECKED
 - ZH
 REVISED

 PLOT DATE
 = 8/28/2018
 DATE
 REVISED

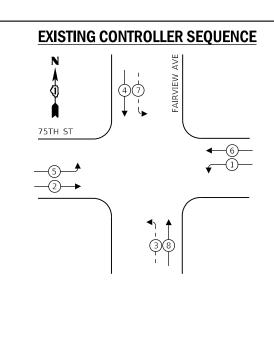
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NTS

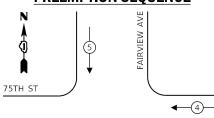
TRAFFIC SIGNAL MODERNIZATION PLAN
75TH ST AND FAIRVIEW AVE

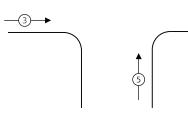
SHEET 39 OF 46 SHEETS STA. TO STA.

F.A. RTE. SECTION COUNTY SHEETS NO.
VAR. 17-DCCSS-01-TL DUPAGE 277 47
CONTRACT NO. 61F05



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

1		110.01		/0	IOIAL
TYPE		LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL	(RED)	16	11	50	88.0
	(YELLOW)	16	20	5	16.0
	(GREEN)	16	12	45	86.4
PERMISSIV	/E ARROW	8	10	10	8.0
PED. SIGN	IAL	8	20	100	160.0
CONTROL	LER	1	100	100	100.0
UPS		1	25	100	25.0
VIDEO SYS	STEM	-	150	100	-
BLANK-OU	IT SIGN	-	25	5	-
FLASHER		-	-	50	-
STREET N	AME SIGN	-	120	50	-
LUMINAIR	E	-	250	50	-
PTZ CAMERA		1	75	100	75.0
				TOTAL =	558.4

ENERGY COSTS TO:

TS SHT NO. 40

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187
ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704

COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

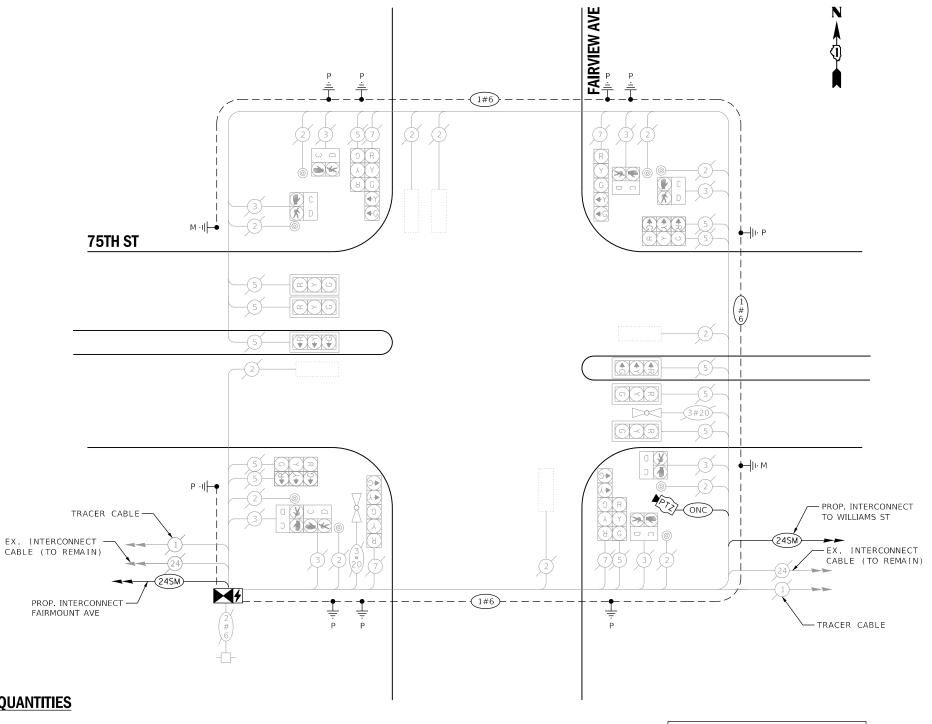
LEGEND:

◆ * PROTECTED PHASE

← - **- - PROTECTED/PERMITTED PHASE

√- * PEDESTRIAN PHASE

◆ OL OVERLA



SCHEDULE OF QUANTITIES

TOTAL QTY. <u>UNITS</u> ITEM DESCRIPTION EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH GROUNDING EXISTING HANDHOLE FRAME AND COVER 750 ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C INDUCTIVE LOOP DETECTOR EACH RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT FACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH FOOT OUTDOOR RATED NETWORK CABLE REMOTE CONTROLLED VIDEO SYSTEM EACH FACH LAYER II (DATALINK) SWITCH FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL ELECTRIC METER SOCKET EACH

CABLE PLAN
(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

DUPAGE 277 48

CONTRACT NO. 61F05

COUNTY

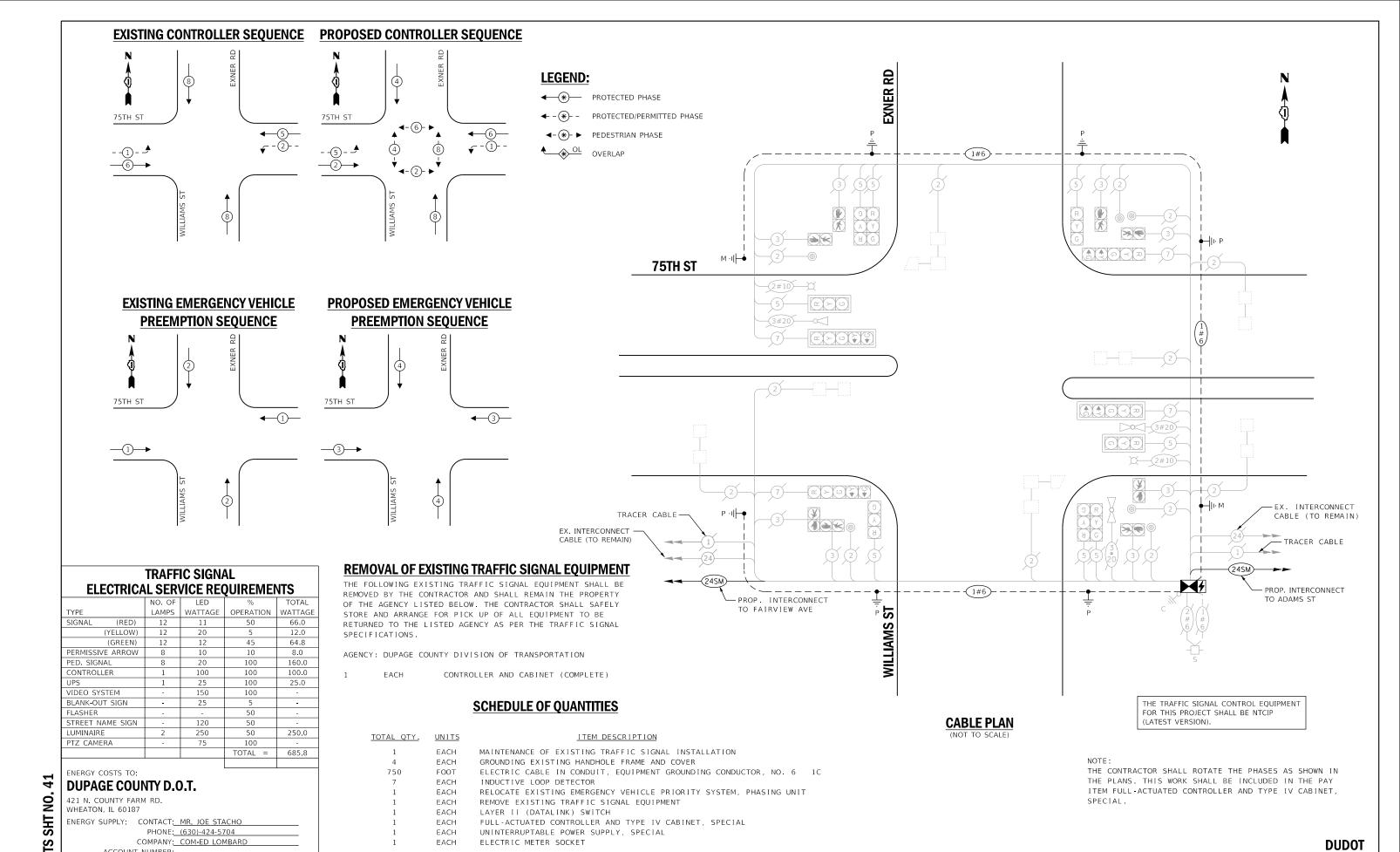


USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
75TH ST AND FAIRVIEW AVE

F.A. RTE. VAR. 17-DCCSS-01-TL



ACCOUNT NUMBER

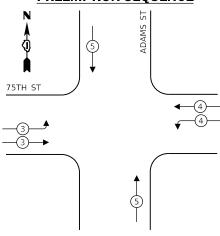
DESIGNED - DW JSER NAME = dwiktorzak REVISED DRAWN - RG REVISED HECKED - ZH REVISED PLOT DATE = 8/28/2018 DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 75TH ST AND EXNER RD/WILLIAMS ST

SECTION COUNTY VAR. 17-DCCSS-01-TL DUPAGE 277 49 CONTRACT NO. 61F05

EXISTING CONTROLLER SEQUENCE N 4 4 4 4 5 75TH ST 4 6 4 8 7 1 8 8

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

	NO. OF	LED	%	IOIAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW		10	10	-
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	4	120	50	240.0
LUMINAIRE	4	250	50	500.0
PTZ CAMERA	-	75	100	-
			TOTAL =	1263.0

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

TS SHT NO. 42

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:__

←*

LEGEND:◆

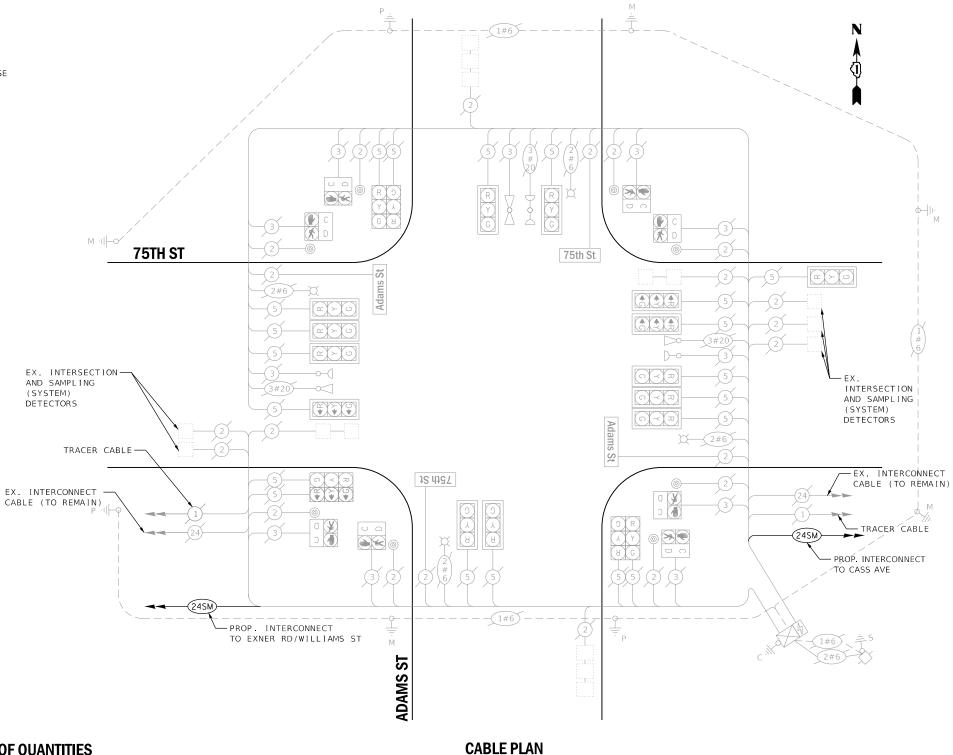
*

PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

◄- *- > PEDESTRIAN PHASE

◆ OL OVERLA



(NOT TO SCALE)

SCALE: NTS

SCHEDULE OF QUANTITIES

TOTAL OTY. UNITS ITEM DESCRIPTION

1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1 EACH LAYER II (DATALINK) SWITCH

1 EACH MODIFY EXISTING CONTROLLER CABINET, SPECIAL

ELECTRIC METER SOCKET

EACH

DUDOT

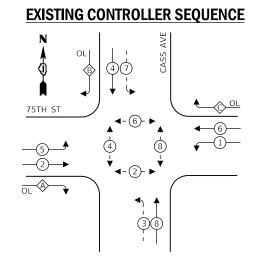


USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

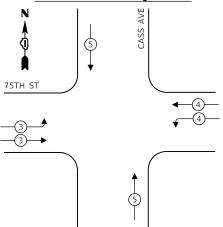
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE						F.A. RTE	SECT	TION	C	COUNTY	TOTAL SHEETS	SHEET NO.
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES					VAR.	17-DCCSS-01-TL			DUPAGE	277	50	
75TH ST AND ADAMS ST										CONTRACT	NO.	61F05
LE: NTS	SHEET 42	OF 46	5 SHEETS	STA.	TO STA.			ILLINOIS	FED A	ID PROJECT		

CONTRACT NO. 61F05



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

NO. OF	l LED	%	TOTAL
LAMPS	WATTAGE	OPERATION	WATTAGE
22	11	50	121.0
22	20	5	22.0
22	12	45	118.8
20	10	10	20.0
8	20	100	160.0
1	100	100	100.0
1	25	100	25.0
-	150	100	-
-	25	5	-
-	-	50	
4	120	50	240.0
7	250	50	875.0
1	75	100	75.0
		TOTAL =	1756.8
	LAMPS 22 22 22 20 8 1 1 - 4	LAMPS WATTAGE 22 11 22 20 22 12 20 10 8 20 1 100 1 250 - 25 - 4 120 7 250	LAMPS WATTAGE OPERATION 22 11 50 22 20 5 22 12 45 20 10 10 8 20 100 1 100 100 - 25 100 - 25 5 - 50 5 4 120 50 7 250 50 1 75 100

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

TS SHT NO. 44

WHEATON, IL 60187 ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

LEGEND:

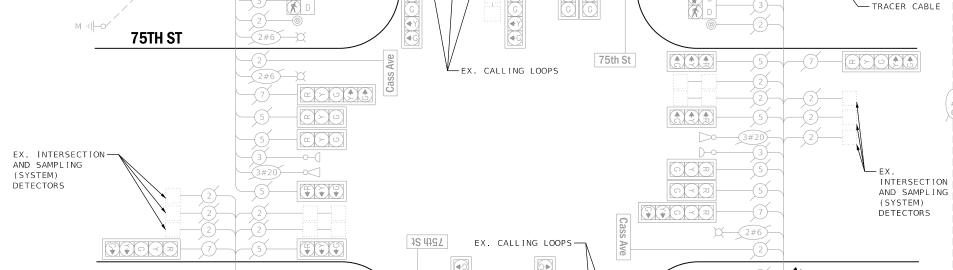
◆ * PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
	=	2	+	3
В	=	4	+	5
C	-	6	+	7



1#6

CABLE PLAN

(NOT TO SCALE)

SCALE: NTS

EX. INTERSECTION-AND SAMPLING (SYSTEM) DETECTORS

CASS AVE

SCHEDULE OF QUANTITIES

TRACER CABLE-

EX. INTERCONNECT CABLE (TO REMAIN)

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION					
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATIO					
101.5	FOOT	OUTDOOR RATED NETWORK CABLE					
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM					
1	EACH	LAYER II (DATALINK) SWITCH					
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL					
1	EACH	ELECTRIC METER SOCKET					

DUDOT

PROP. INTERCONNECT TO PLAINFIELD RD

-EX. INTERCONNECT

CABLE (TO REMAIN)

PROP. INTERCONNECT JO PLAINFIELD RD

-EX. INTERCONNECT CABLE (TO REMAIN)



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

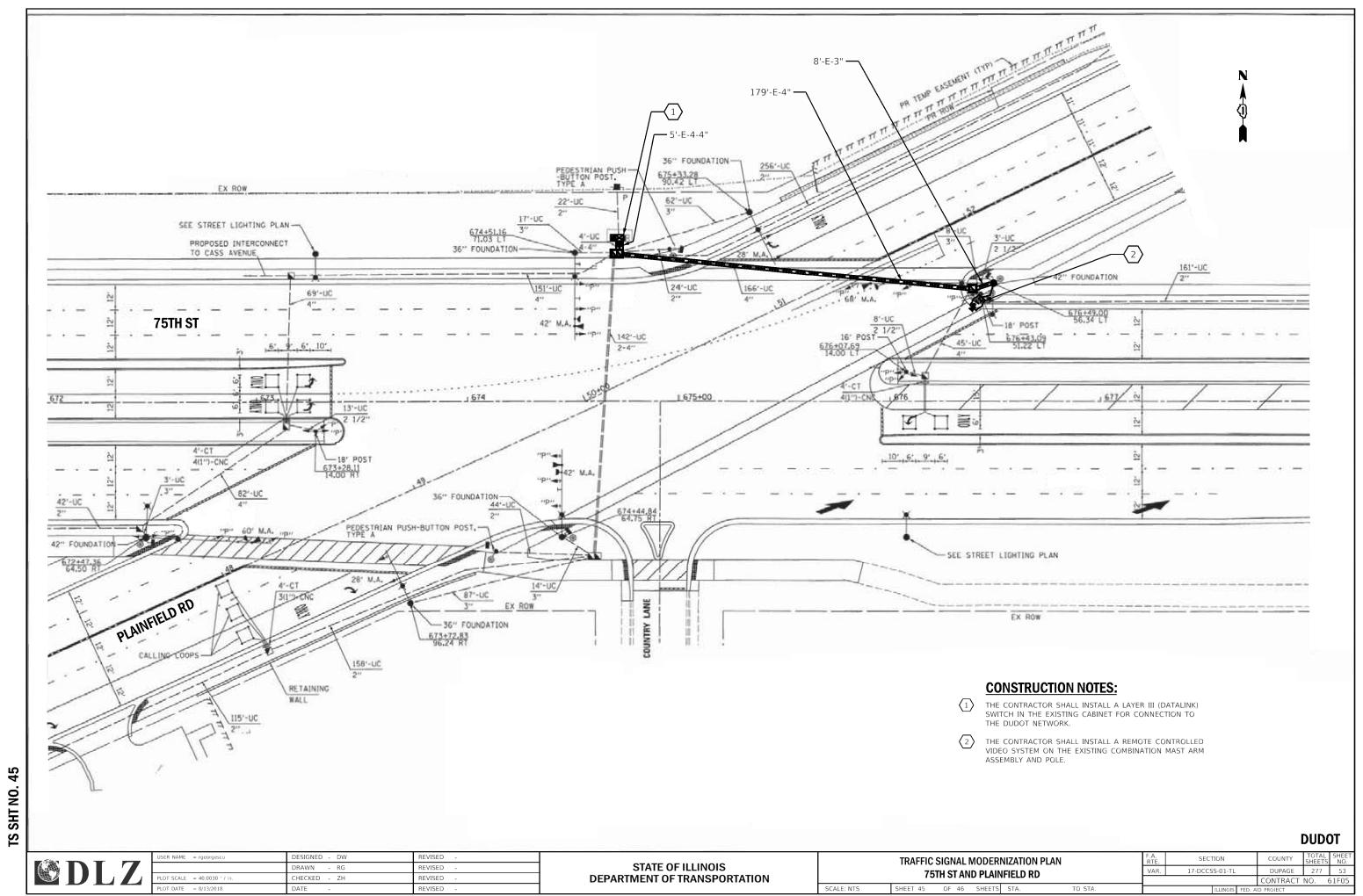
PROP. INTERCONNECT TO ADAMS ST

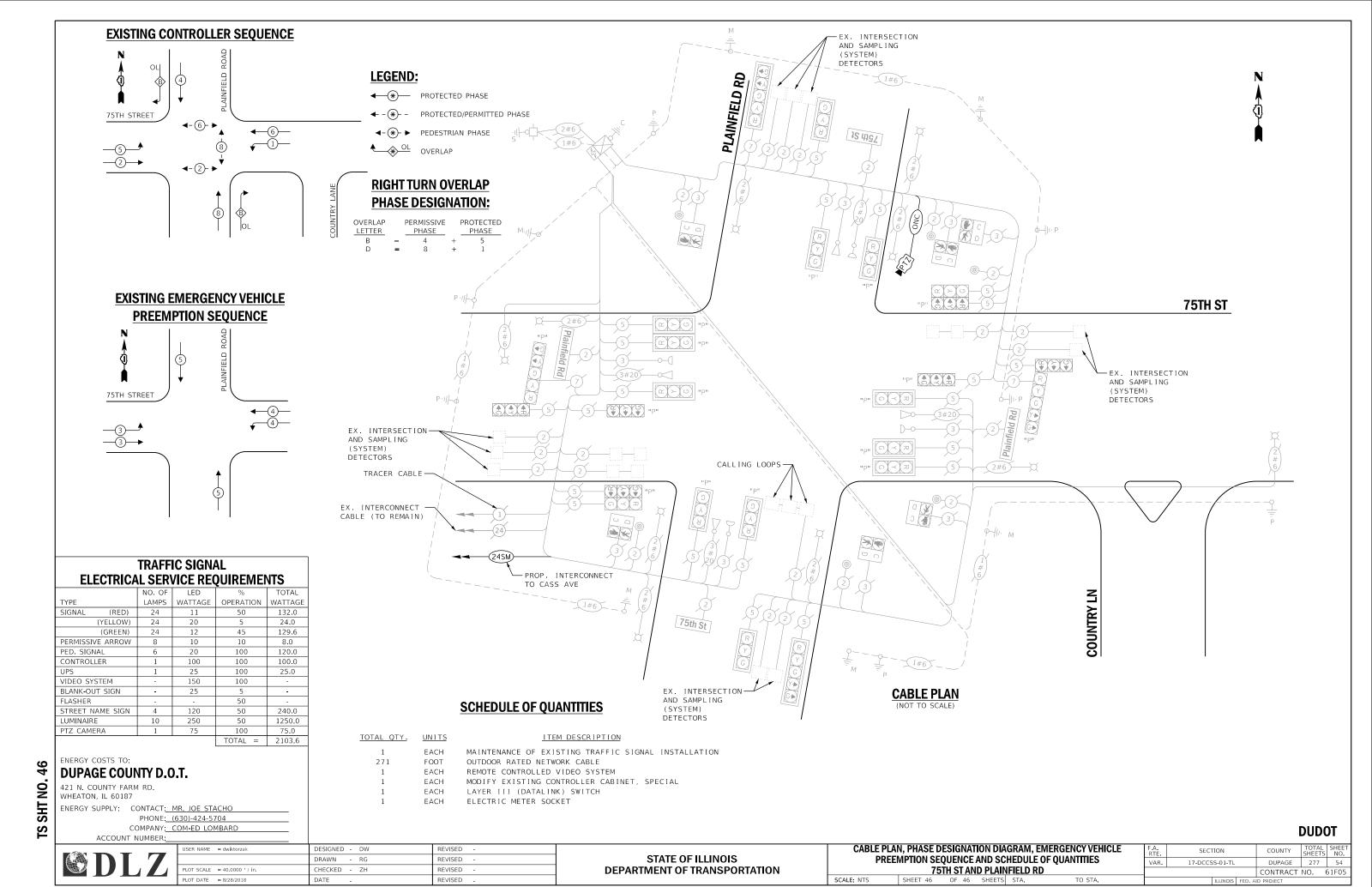
OADLE I LAN, I HAGE DEGIGNATION DIAGNAM, EMERGENOT VEHICLE						F.A. SECTION			COUNTY	TOTAL SHEETS	
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES						VAR.	17-DCCSS-01-TL		DUPAGE	277	52
75TH ST AND CASS AVE									CONTRACT	NO.	61F05
LE: NTS	SHEET 44	OF 46	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT					

TRACER CABLE -

-EX. INTERSECTION
AND SAMPLING

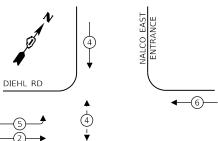
(SYSTEM) DETECTORS





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EXISTING CONTROLLER SEQUENCE



LEGEND:

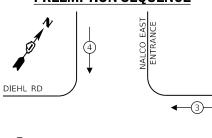
◆ *PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

OVERIAL

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



<u>_3</u> →

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

EX. INTERSECTION AND SAMPLING -

(SYSTEM) DETECTORS

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

SCHEDULE OF QUANTITIES

LAYER II (DATALINK) SWITCH

ITEM DESCRIPTION

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

FULL-ACTUATED CONTROLLER IN EXISTING CABINET

MODIFY EXISTING CONTROLLER CABINET, SPECIAL

AGENCY: CITY OF NAPERVILLE

1 EACH CONTROLLE

<u>UNITS</u> EACH

EACH

EACH

EACH

CABLE PLAN

NALCO EAST ENTRANCE

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

310 WATT C 2 1/C *8 1 1/C *8 GROUND

1#6)-

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250.0
PTZ CAMERA	-	75	100	-
			TOTAL =	536.8

ENERGY COSTS TO:

CITY OF NAPERVILLE

400 S. EAGLE ST. NAPERVILLE, IL 60540

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

USER NAME = dwiktorzak

USER NAME = dwiktorzak DESIGNED DW REVISED DRAWN RG REVISED PLOT SCALE = 40,0000 '/ in. CHECKED ZH REVISED PLOT DATE = 8/29/2018 DATE REVISED

TOTAL QTY.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

2 1/C *8 1 1/C *8 GROUND 310 WATT

DIEHL RD

	,			,	MERGENCY VEHICLE	F.A. RTE
PRE		•			OF QUANTITIES	VAR.
	DIE	<u>il RD ani</u>	<u>) NALCC</u>	<u>) EAST EN</u>	NIK	_
SCALE: NTS	SHEET 1	OF 14	SHEETS	STA.	TO STA.	

A. SECTION COUNTY TOTAL SHEETS NO.

AR. 17-DCCSS-01-TL DUPAGE 277 55

CONTRACT NO. 61F05

NAPERVILLE

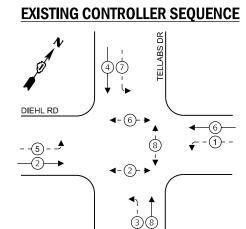
PROP. INTERCONNECT TO TEL LAB ENT.

- EX. INTERCONNECT CABLE (TO REMAIN)

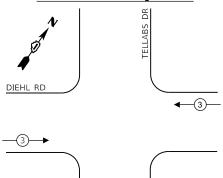
- TRACER CABLE

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TS SHT NO. 47



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	70	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	-	75	100	-

ENERGY COSTS TO:

CITY OF NAPERVILLE

400 S. EAGLE ST. NAPERVILLE, IL 60540

TS SHT NO, 48

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

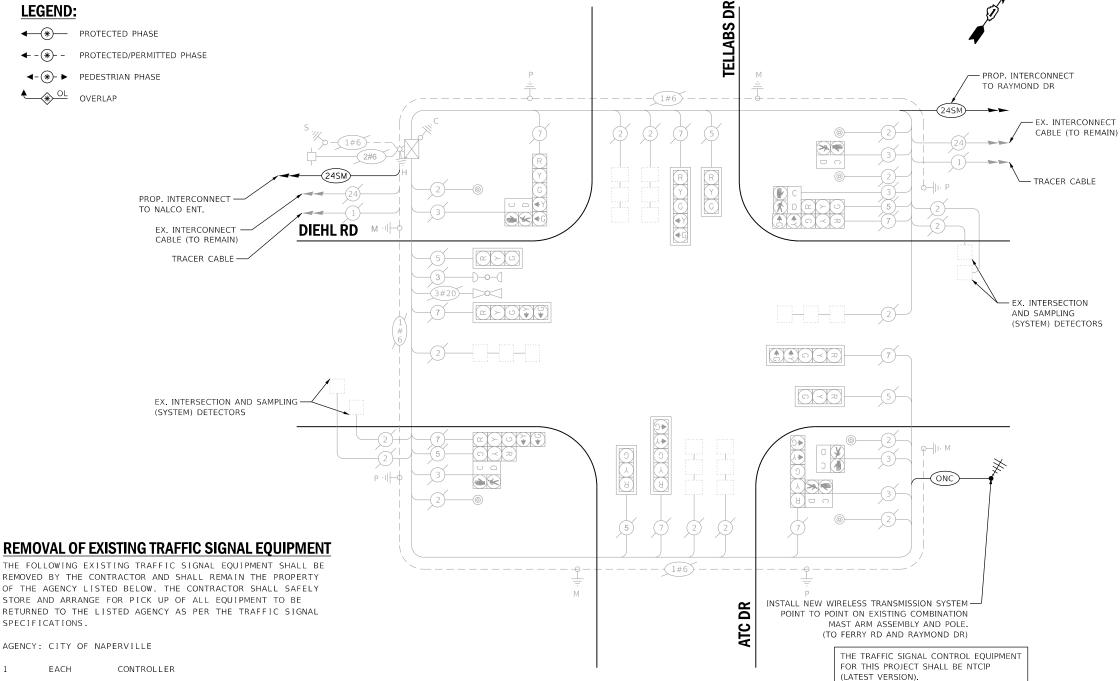
PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD ACCOUNT NUMBER:

LEGEND:

◆ * PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE



CABLE PLAN

SCHEDULE OF QUANTITIES

<u>TOTA</u>	L QTY.	<u>UNITS</u>	ITEM DESCRIPTION
	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
	1	EACH	LAYER II (DATALINK) SWITCH
	1	EACH	WIRELESS TRANSMISSION SYSTEM POINT TO POINT
	1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
	1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL

NAPERVILLE



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/29/2018	DATE -	REVISED -

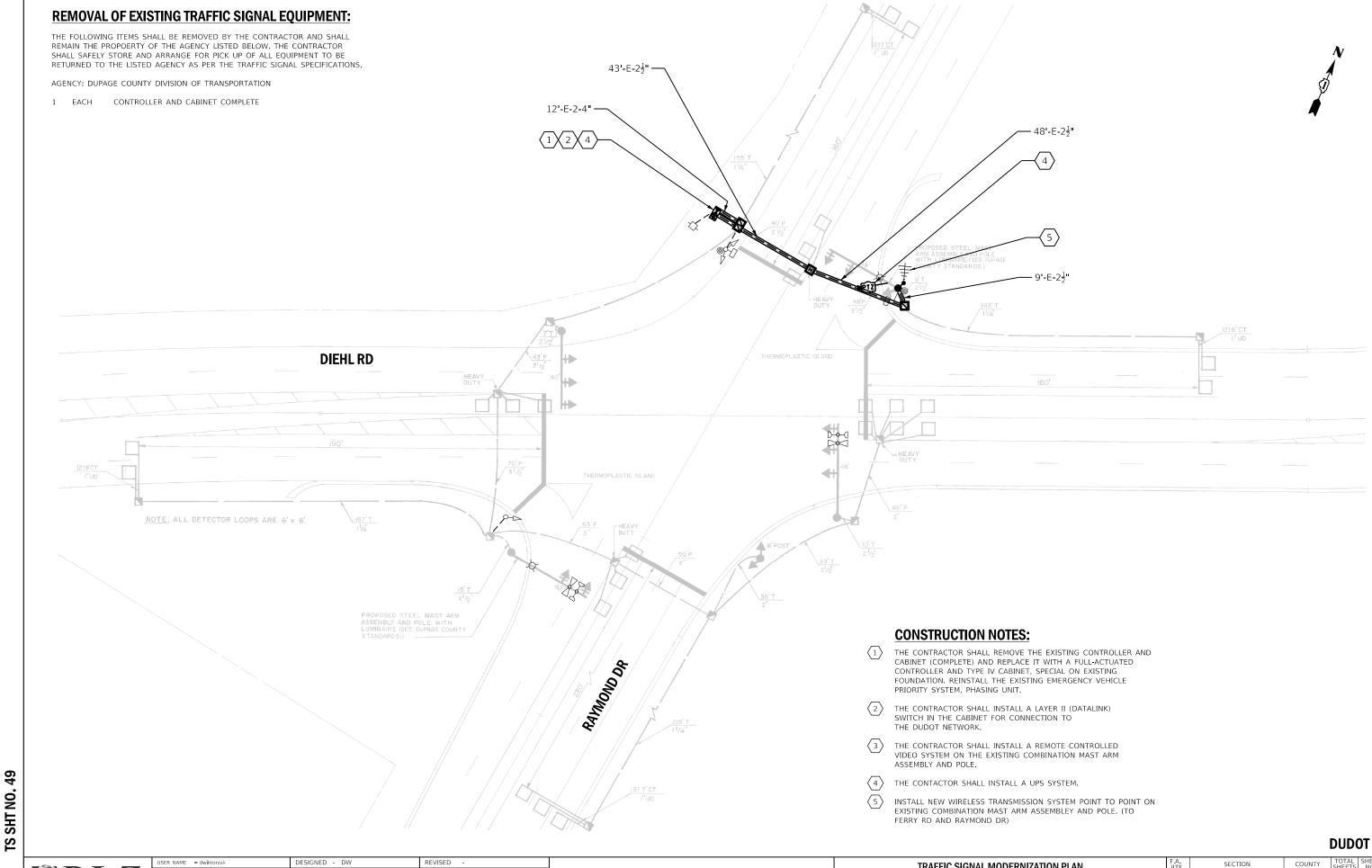
SPECIFICATIONS.

EACH

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE SECTION PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 17-DCCSS-01-TL DIEHL RD AND TELLABS DR

FILE NAME = pw:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO3 Centracs Expansion 2\CADD_Sheets\0202-sht-ts-cable.dgn Default

TOTAL = 402.6



PLOT SCALE = 40
PLOT DATE = 8/

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
DIEHL RD AND RAYMOND DR

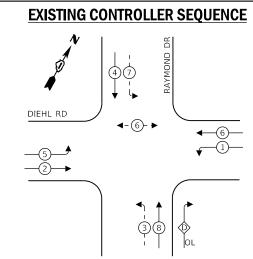
SHEET 3 OF 14 SHEETS STA. TO STA.

SCALE: NTS

F.A. RTE. SECTION COUNTY TOTAL SHEET NO.

VAR. 17-DCCSS-01-TL DUPAGE 277 57

CONTRACT NO. 61F05



LEGEND:

◆ PROTECTED PHASE

← - ** - PROTECTED/PERMITTED PHASE

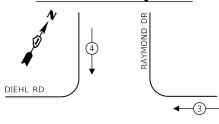
◄-*- ► PEDESTRIAN PHASE

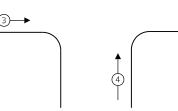
OVERLAP OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP <u>LETTER</u>				PROTECTED PHASE
D	_	1	+	8

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL						
ELECTRICAL SERVICE REQUIREMENTS						
			0.4	TE 0 TE 4		

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	12	10	10	12.0
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	-
LUMINAIRE	2	250	50	250.0
PTZ CAMERA	1	75	100	75.0
		-	TOTAL =	692.4

ENERGY COSTS TO:

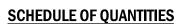
DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

TS SHT NO. 50

WHEATON, IL 60187
ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704
COMPANY: COM-ED LOMBARD



TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
9	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
9	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
400	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	WIRELESS TRANSMISSION SYSTEM POINT TO POINT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	LAYER II (DATALINK) SWITCH
1	FΔCH	FLECTRIC METER SOCKET

PROP. INTERCONNECT-TO TELLABS DR

EX. INTERCONNECT CABLE (TO REMAIN) **>>** TRACER CABLE -**DIEHL RD** - EX. INTERCONNECT CABLE (TO REMAIN) PROP. INTERCONNECT **CABLE PLAN** TO McDOWELL RD

DUDOT



 USER NAME
 deviktorzak
 DESIGNED - DRAWN - RG
 DEV
 REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED - REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES

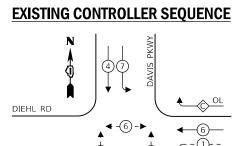
DIEHL RD AND RAYMOND DR

SHEET 4 OF 14 SHEETS STA. TO STA. SHEET 4 OF 14 SHEETS STA. TO STA. SHEET 4 OF 14 SHEETS STA. TO STA. SHEET 4 OF 14 SHEETS STA. TO STA. SHEET 4 OF 14 SHEETS STA. TO STA. SHEET 4 OF 14 SHEETS STA. TO STA. SHEET 4 OF 14 SHEETS STA. TO STA. SHEET 4 OF 14 SHEETS STA. TO STA. SHEET 4 OF 14 SHEETS STA. TO STA.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

INSTALL NEW WIRELESS TRANSMISSION SYSTEM POINT TO-POINT ON EXISTING COMBINATION MAST ARM ASSEMBLEY

AND POLE (TO FERRY RD AND RAYMOND DR)



38

LEGEND:

◆ * PROTECTED PHASE

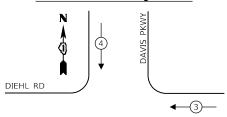
← -(*)- - PROTECTED/PERMITTED PHASE

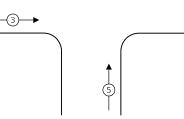
√-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP	1	PERMISSIVE		PROTECTED
LETTER	ETTER .			PHASE
_	_	6	1	7

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	l LED	%	IOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
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	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	=
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	250	50	500.0
PTZ CAMERA	-	75	100	-
			TOTAL =	1011.2

ENERGY COSTS TO:

51

TS SHT NO.

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187 ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD ACCOUNT NUMBER

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

CONTROLLER AND CABINET (COMPLETE)

SCHEDULE OF QUANTITIES

TOTAL QTY. <u>UNITS</u> ITEM DESCRIPTION EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION INDUCTIVE LOOP DETECTOR EACH RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT EACH EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH LAYER II (DATALINK) SWITCH FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL EACH EACH ELECTRIC METER SOCKET

- EX. INTERCONNECT CABLE (TO REMAIN) TRACER CABLE **DIEHL RD** -(2#10)--X -*--*(1#6) **CABLE PLAN**

COUNTY

THE TRAFFIC SIGNAL CONTROL EQUIPMENT

FOR THIS PROJECT SHALL BE NTCIP

(LATEST VERSION)

- PROP. INTERCONNECT

TO WINFIELD RD



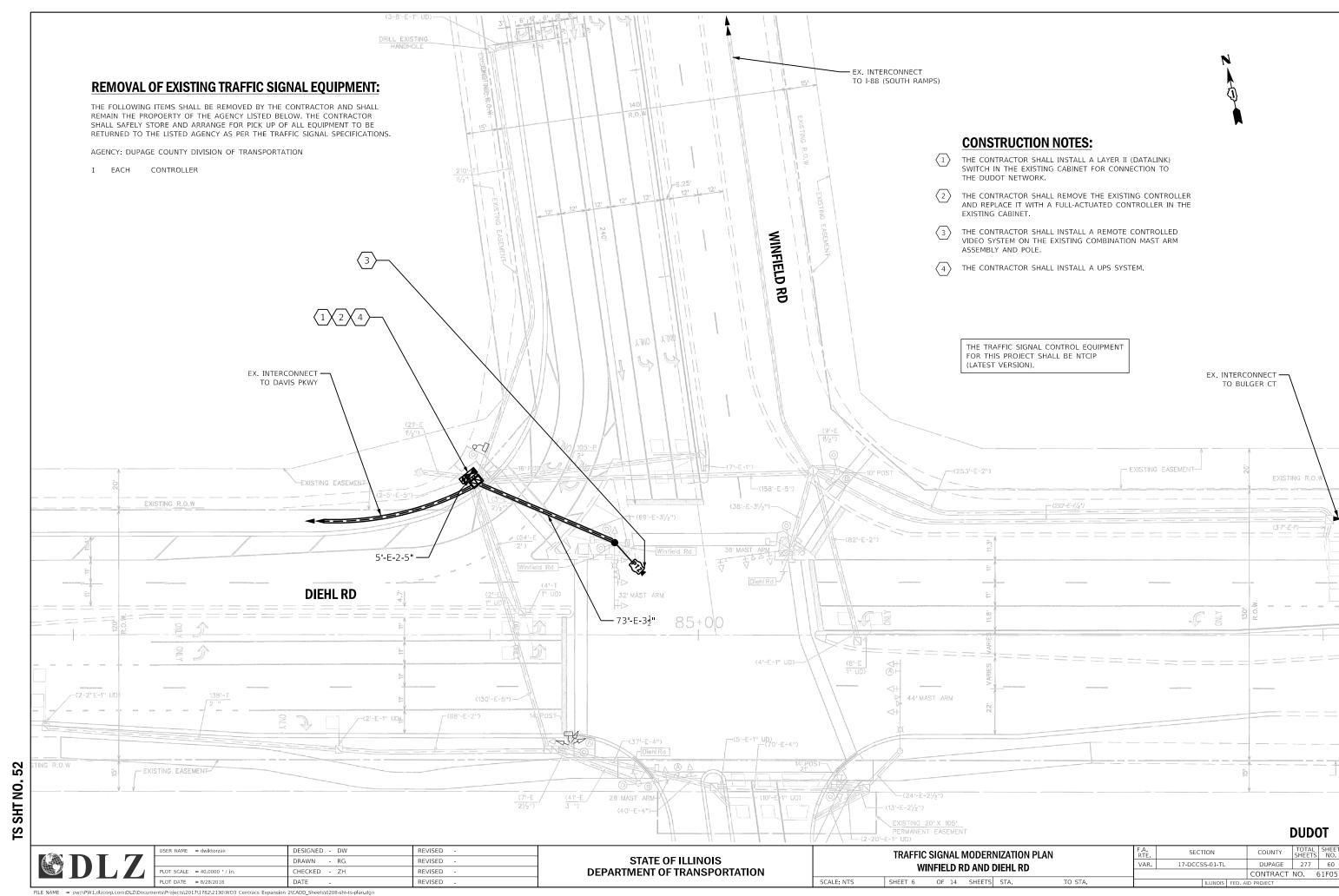
USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

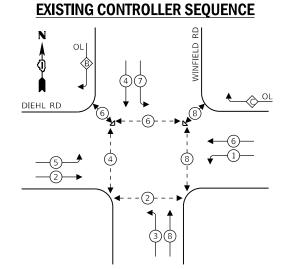
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE SECTION PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES VAR. 17-DCCSS-01-TL **DIEHL RD AND DAVIS PKWY**

w:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO3 Centracs Expansion 2\CADD_Sheets\0206-sht-ts-cable.dgn

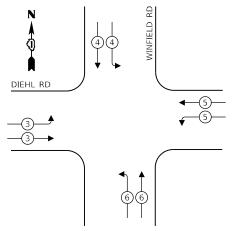
DUPAGE 277 59

CONTRACT NO. 61F05





EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	22	11	50	121.0
(YELLOW)	22	20	5	22.0
(GREEN)	22	12	45	118.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	12	20	100	240.0
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	-
LUMINAIRE	3	-	-	375.0
PTZ CAMERA	1	75	100	75.0

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187 ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704

COMPANY: COM-ED LOMBARD ACCOUNT NUMBER

DESIGNED - DW REVISED DRAWN - RG REVISED CHECKED - ZH REVISED REVISED PLOT DATE = 8/28/2018 DATE

151

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES WINFIELD RD AND DIEHL RD
OF 14 SHEETS STA.

SECTION COUNTY 17-DCCSS-01-TL DUPAGE 277 61 CONTRACT NO. 61F05

- PROP. INTERCONNECT

TO I-88 (SOUTH RAMPS)

RIGHT TURN OVERLAP PHASE DESIGNATION:

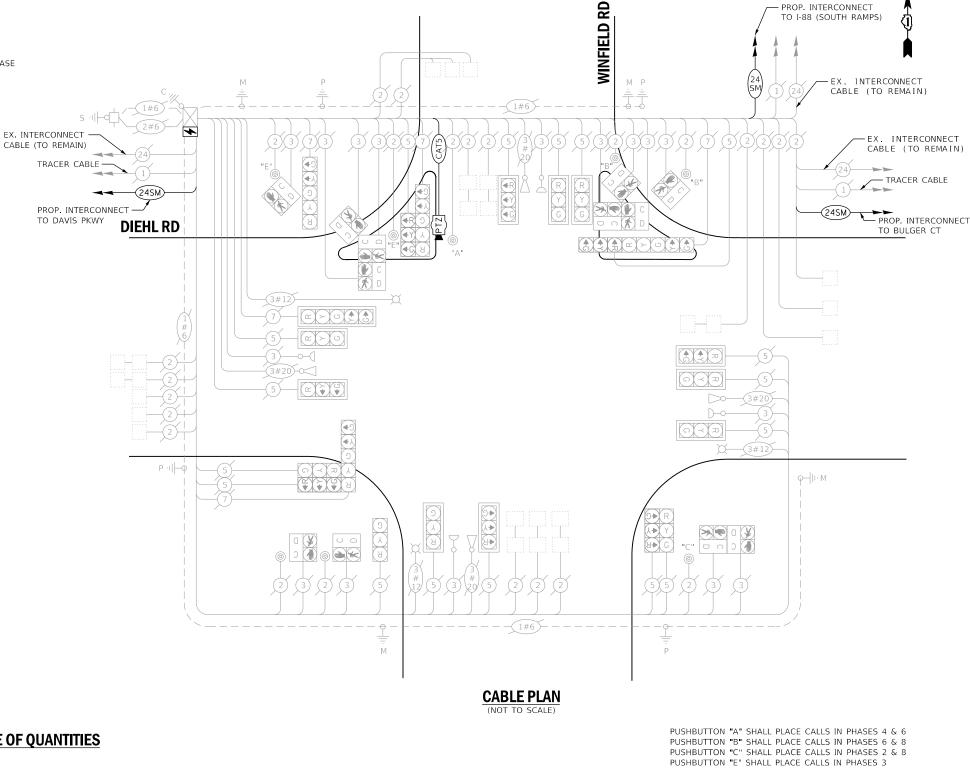
◆ PROTECTED PHASE

√-(*)- ► PEDESTRIAN PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

LEGEND:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTEI PHASE
B C	=	4 6	+	5 7



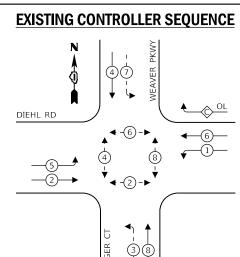
SCHEDULE OF QUANTITIES

TOTAL QTY. ITEM DESCRIPTION <u>UNITS</u> MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH OUTDOOR RATED NETWORK CABLE FOOT REMOTE CONTROLLED VIDEO SYSTEM EACH EACH LAYER II (DATALINK) SWITCH EACH FULL-ACTUATED CONTROLLER IN EXISTING CABINET UNINTERRUPTABLE POWER SUPPLY, SPECIAL EACH MODIFY EXISTING CONTROLLER CABINET, SPECIAL EACH ELECTRIC METER SOCKET

DUDOT

TOTAL = 1084.8

TS SHT NO.



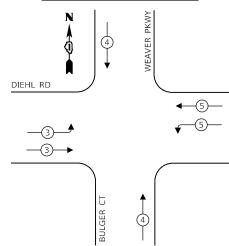
LEGEND:

- **◆ * PROTECTED PHASE**
- ← -(*)- PROTECTED/PERMITTED PHASE
- √-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP	PERMISSIVE	PROTECTED
LETTER	PHASE	PHASE
(= 6	+ 7

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL

EACH	CONTROLLE	R
EACH	WIRELESS	INTERCONNECT

TOTAL QTY.

TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
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	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	-	75	100	-

ENERGY COSTS TO:

54

TS SHT NO.

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187 ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER

JSER NAME = dwiktorzak DESIGNED - DW REVISED DRAWN - RG REVISED CHECKED - ZH REVISED REVISED PLOT DATE = 8/28/2018 DATE

487.4

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

DIEHL RD

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES DIEHL RD AND BULGER CT/WEAVER PKWY
SHEET 8 OF 14 SHEETS STA.

BULGER CT

SECTION COUNTY 17-DCCSS-01-TL DUPAGE 277 62 VAR. CONTRACT NO. 61F05

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

1	EACH	CONTROLLE	R
1	EACH	WIRELESS	INTERCONNECT

EACH

SCHEDULE OF QUANTITIES

UNITS	ITEM DESCRIPTION
EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
EACH	LAYER II (DATALINK) SWITCH
EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
FACH	FLECTRIC METER SOCKET

EX. WIRELESS INTERCONNECT

EX. INTERCONNECT · CABLE (TO REMAIN) TRACER CABLE -

PROP. INTERCONNECT TO WINFIELD RD

CABLE PLAN

- (1#6)-

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

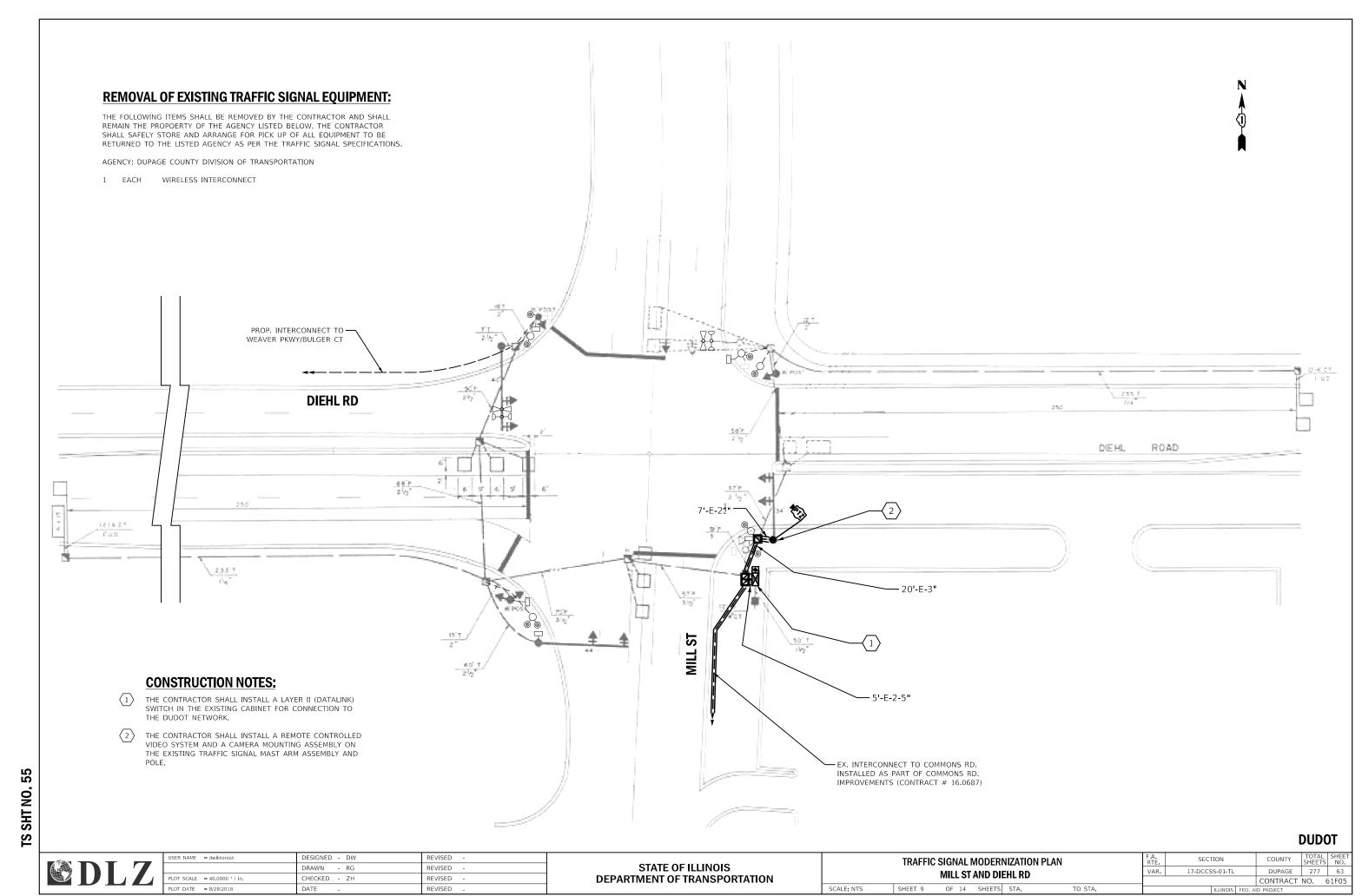
9-11-M

DUDOT

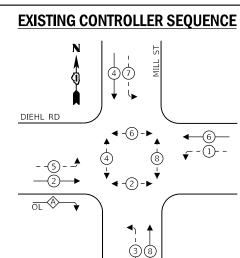
- PROP. INTERCONNECT TO MILL ST

TRACER CABLE

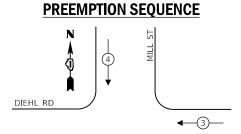
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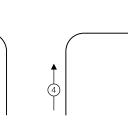


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EXISTING EMERGENCY VEHICLE





TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	13	12	45	70.2
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	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	1	75	100	75.0

ENERGY COSTS TO:

TS SHT NO. 56

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187
ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704
COMPANY: COM-ED LOMBARD

LEGEND:

◆ PROTECTED PHASE

← - * - PROTECTED/PERMITTED PHASE

√
→

PEDESTRIAN PHASE

Output

Description

PEDESTRIAN

PHASE

Output

Description

PEDESTRIAN

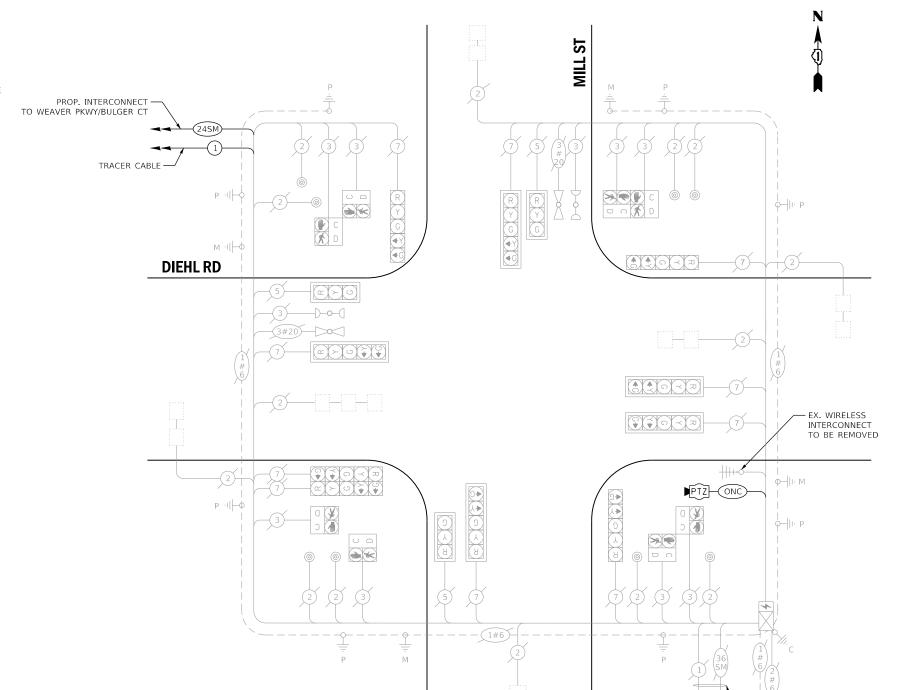
PHASE

OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP PERMISSIVE PROTECTED PHASE

A = 2 + 3



CABLE PLAN

SCHEDULE OF QUANTITIES

TOTAL QTY.	UNITS	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	CAMERA MOUNTING ASSEMBLY
96	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER SOCKET

DUDOT

- EX. FIBER OPTIC AND TRACER CABLE INSTALLED AS PART OF COMMONS RD. IMPROVEMENTS (CONTRACT # 16.0687)



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
DIEHL RD AND MILL ST

INTS SHEET 10 OF 14 SHEETS STA. TO STA.

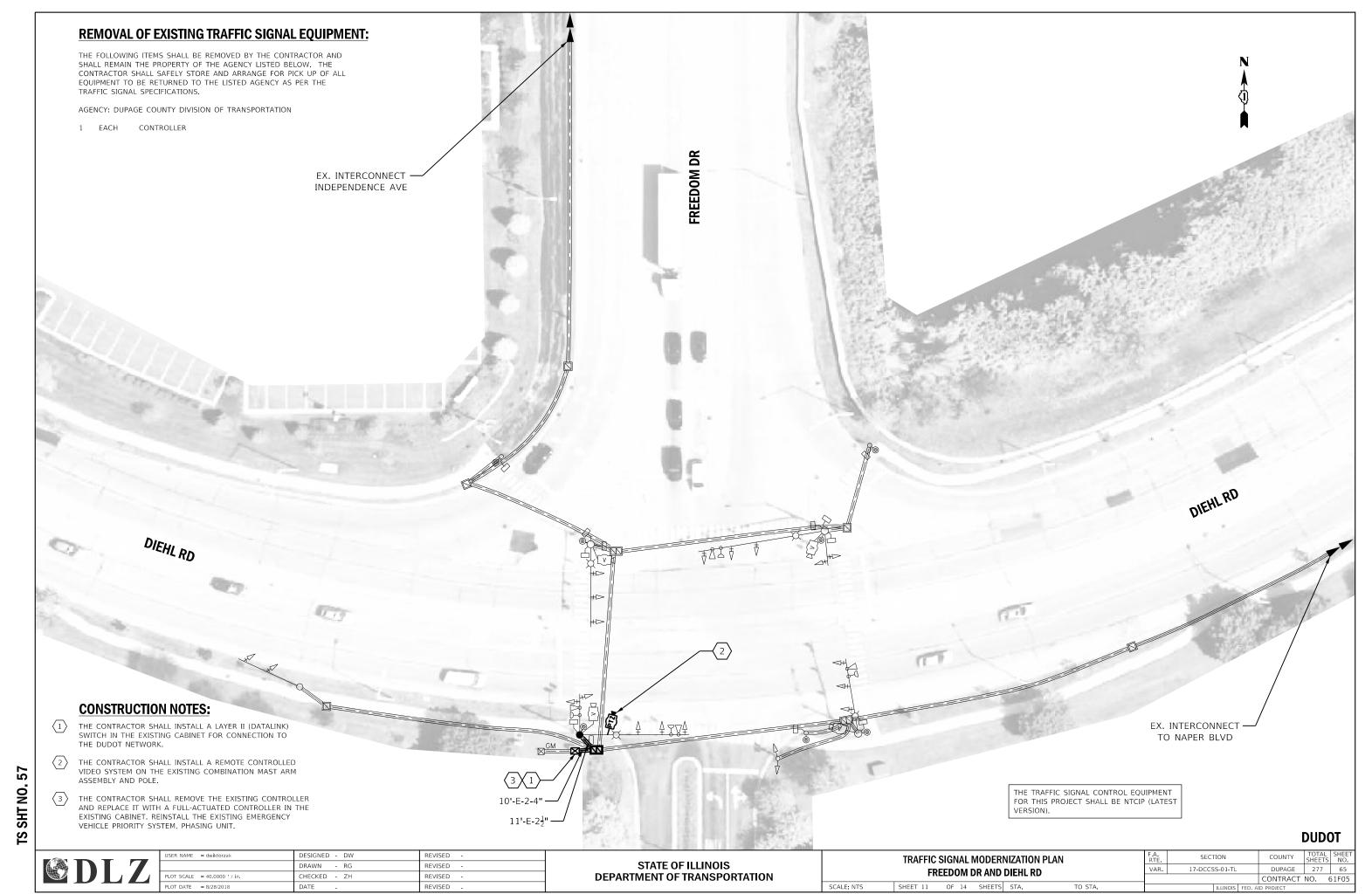
SHEET SECTION COUNTY TOTAL SHEETS NO.

COUNTY SHEETS NO.

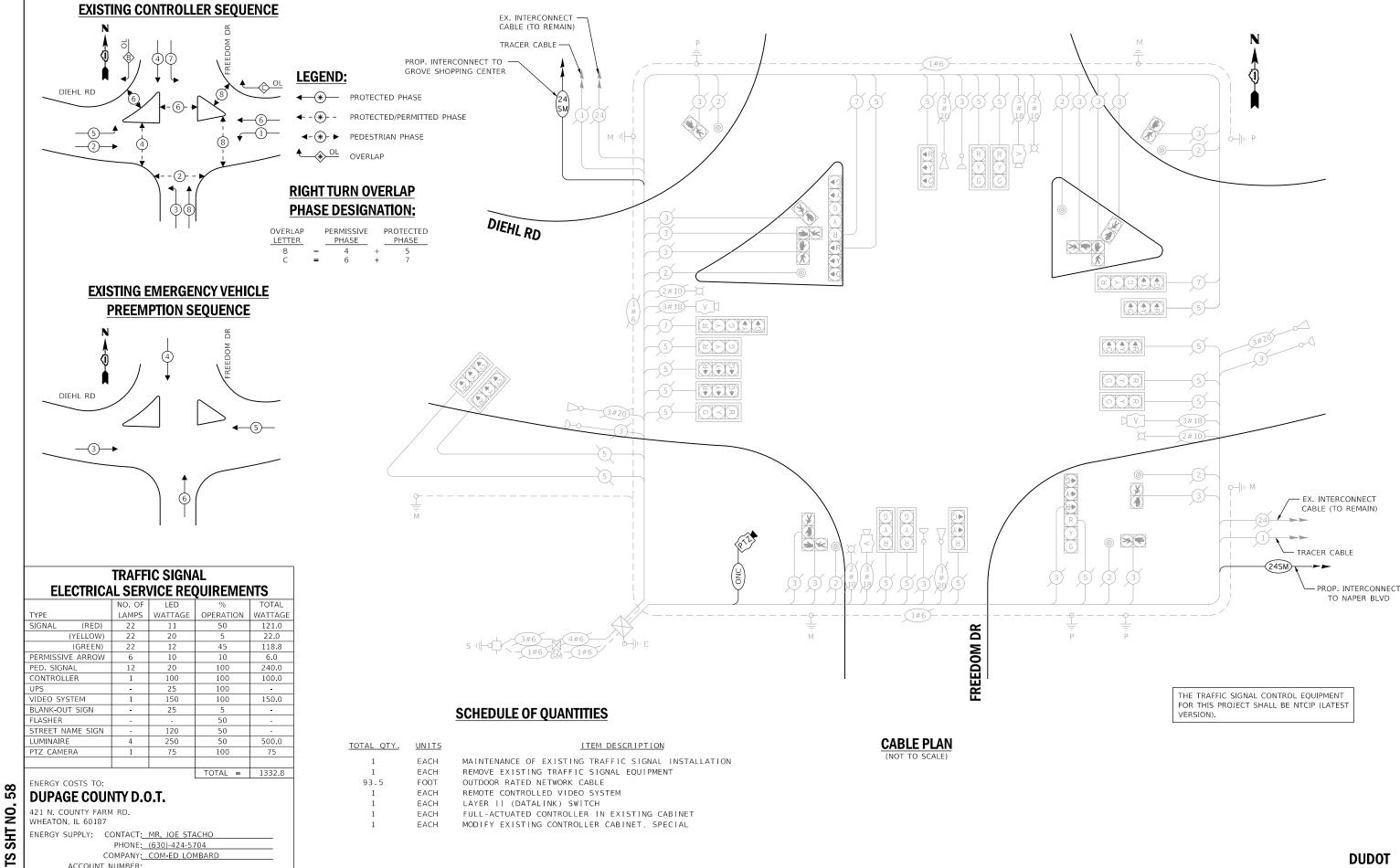
VAR. 17-DCCSS-01-TL DUPAGE 277 64

CONTRACT NO. 61F05

TOTAL = 534.7



E NAME = pw:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\int 64-sht-ts-plan.dgr



STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\Int 64-sht-ts-cable.dgr

JSER NAME = dwiktorzak

PLOT DATE = 8/28/2018

DUPAGE 277 66 CONTRACT NO. 61F05

COUNTY

SECTION

17-DCCSS-01-TL

VAR.

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE

PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES

FREEDOM DRIVE AND DIEHL ROAD
SHEET 12 OF 14 SHEETS STA.

DATE

DESIGNED - DW

DRAWN - RG

CHECKED - ZH

REVISED

REVISED

REVISED

REVISED

SCALE: NTS

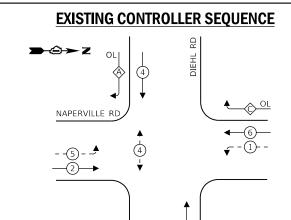
SHEET 13 OF 14 SHEETS STA.

TO STA.

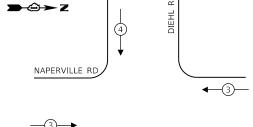
DATE

PLOT DATE = 8/28/2018

REVISED



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

		NO. OF	LED	%	TOTAL
TYPE		LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL	(RED)	15	11	50	82.5
	(YELLOW)	15	20	5	15.0
	(GREEN)	19	12	45	102.6
PERMISSI	VE ARROW	16	10	10	16.0
PED. SIG	NAL	6	20	100	120.0
CONTROL	LER	1	100	100	100.0
UPS		1	25	100	25.0
VIDEO SY	/STEM	-	150	100	-
BLANK-O	UT SIGN	-	25	5	-
FLASHER		-	-	50	-
STREET N	NAME SIGN	-	120	50	-
LUMINAIF	RE	2	250	50	250.0
PTZ CAM	ERA	1	75	100	75.0

ENERGY COSTS TO:

TS SHT NO. 60

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704

COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

LEGEND:

◆ PROTECTED PHASE

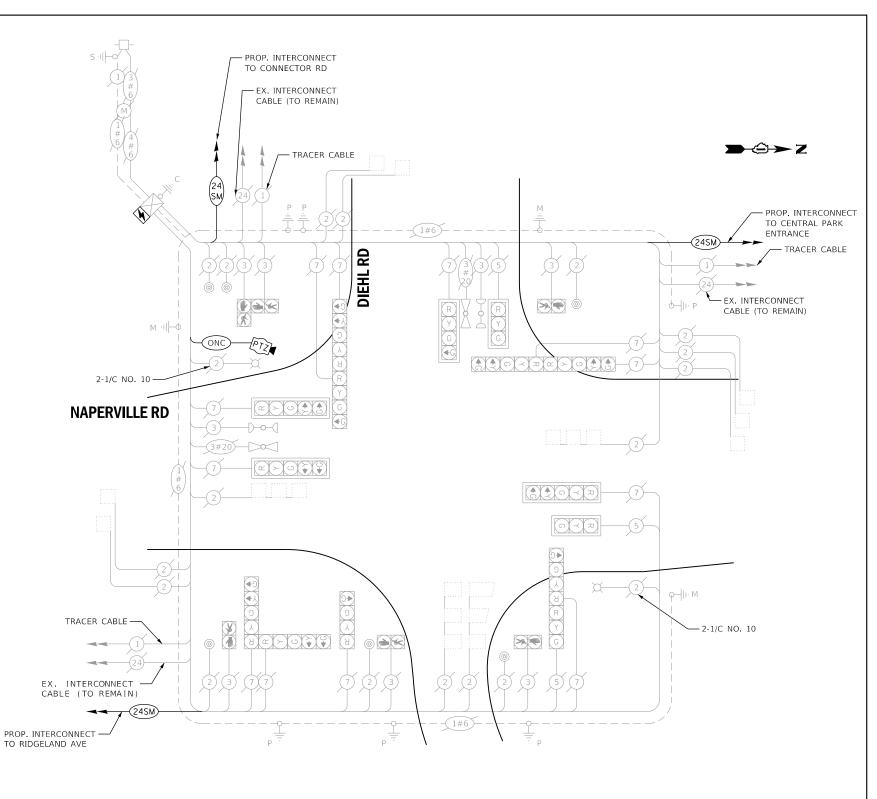
← - (*)- - PROTECTED/PERMITTED PHASE

◄-*- ► PEDESTRIAN PHASE

NOL OVERLAR

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP <u>LETTER</u>		PERMISSIVE PHASE		PROTECTE PHASE
A	=	4	+	5 4



SCHEDULE OF QUANTITIES

TOTAL QTY. <u>UNITS</u> ITEM DESCRIPTION MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH OUTDOOR RATED NETWORK CABLE 88.5 FOOT EACH REMOTE CONTROLLED VIDEO SYSTEM EACH LAYER II (DATALINK) SWITCH FULL-ACTUATED CONTROLLER IN EXISTING CABINET EACH EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL EACH MODIFY EXISTING CONTROLLER CABINET, SPECIAL ELECTRIC METER SOCKET

CABLE PLAN

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES

NAPERVILLE RD AND DIEHL RD

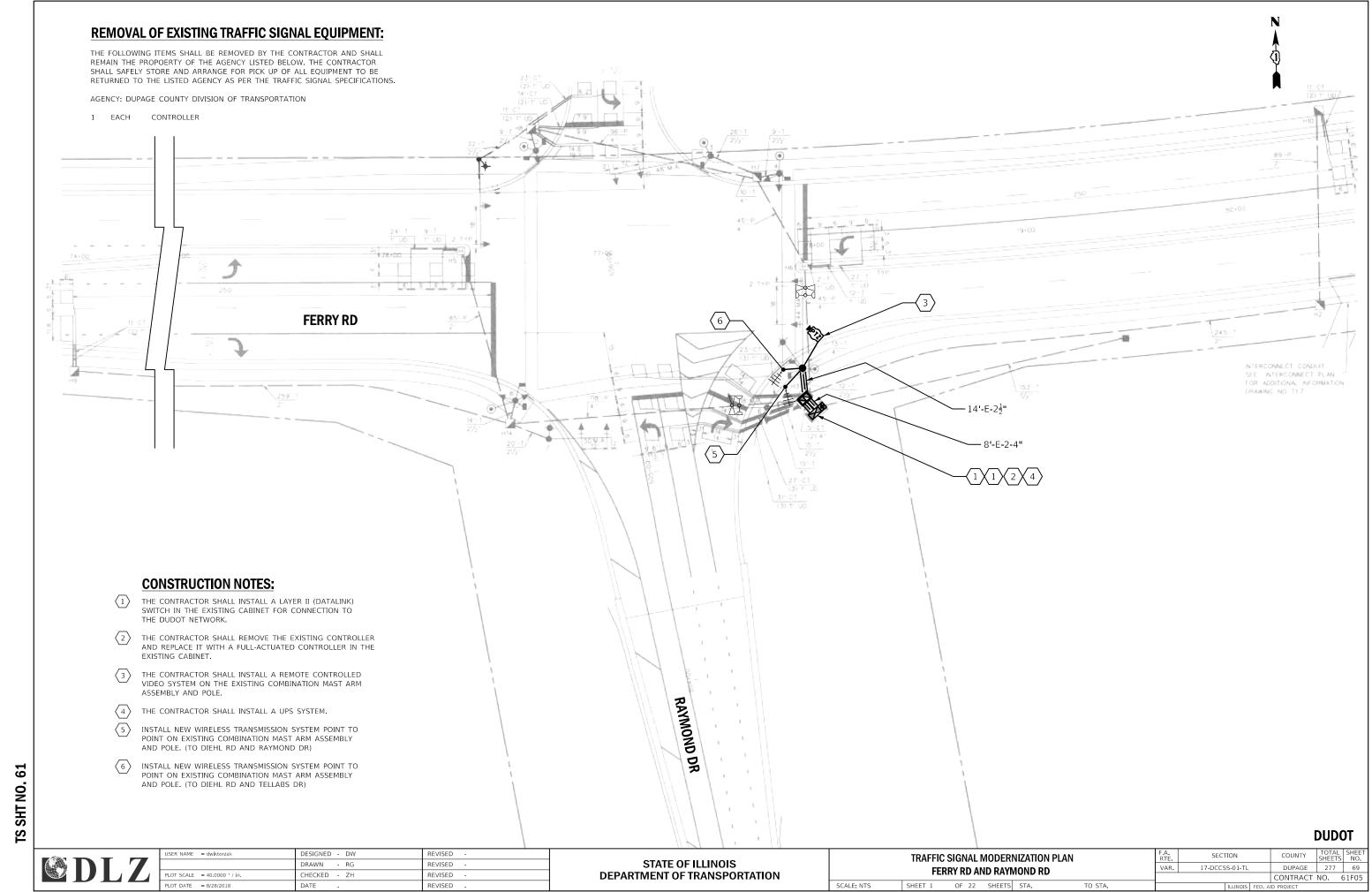
ARTE. VAR.

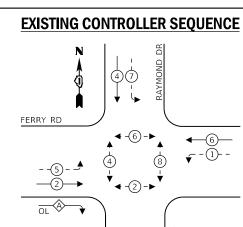
F.A. SECTION COUNTY TOTAL SHEETS NO.

VAR. 17-DCCSS-01-TL DUPAGE 277 68

CONTRACT NO. 61F05

TOTAL = 786.1





LEGEND:

◆ * PROTECTED PHASE

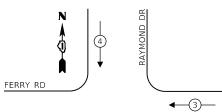
← - (*)- - PROTECTED/PERMITTED PHASE

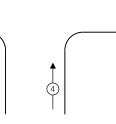
√-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
Α	=	2	+	3
D	_	1	+	8

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TDAEELO CLONAL
TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS
LLLCINICAL SERVICE REQUIREMENTS

_3→

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	15	11	50	82.5
(YELLOW)	15	20	5	15.0
(GREEN)	15	12	45	81.0
PERMISSIVE ARROW	26	10	10	26.0
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	-
LUMINAIRE	3	250	50	375.0
PTZ CAMERA	1	75	100	75.0
			TOTAL =	939.5

ENERGY COSTS TO:

TS SHT NO. 62

DUPAGE COUNTY D.O.T.

	DOI 71GE 0001111 DIOI11			
421 N. COUNTY FARM RD. WHEATON, IL 60187				
	ENERGY SUPPLY: CONTACT: MR. JOE STACHO			
	PHONE: (630)-424-5704			
COMPANY: COM-ED LOMBARD				
	ACCOUNT NUMBER.			

SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
190	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
2	EACH	LAYER II (DATALINK) SWITCH
2	EACH	WIRELESS TRANSMISSION SYSTEM POINT TO POINT
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER SOCKET

CABLE PLAN

(TO DIEHL RD AND RAYMOND DR) INSTALL NEW WIRELESS TRANSMISSION SYSTEM POINT TO POINT ON EXISTING COMBINATION MAST ARM ASSEMBLY AND POLE. (TO DIEHL RD AND TELLABS DR)

EX. INTERCONNECT -CABLE (TO REMAIN)

- INSTALL NEW WIRELESS TRANSMISSION SYSTEM

POINT TO POINT ON EXISTING COMBINATION MAST ARM ASSEMBLY AND POLE.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

INTERCONNECT TO RIVER RD

CABLE



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

FERRY RD

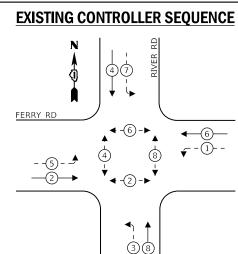
2#10

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES FERRY RD AND RAYMOND DR

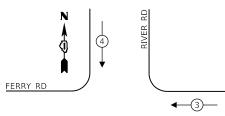
RAYMOND DR

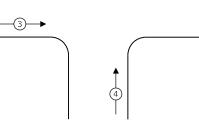
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SECTION COUNTY 17-DCCSS-01-TL DUPAGE 277 70 CONTRACT NO. 61F05



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	l LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	2	250	50	250.0
PTZ CAMERA	-	75	100	-

ENERGY COSTS TO:

TS SHT NO.

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

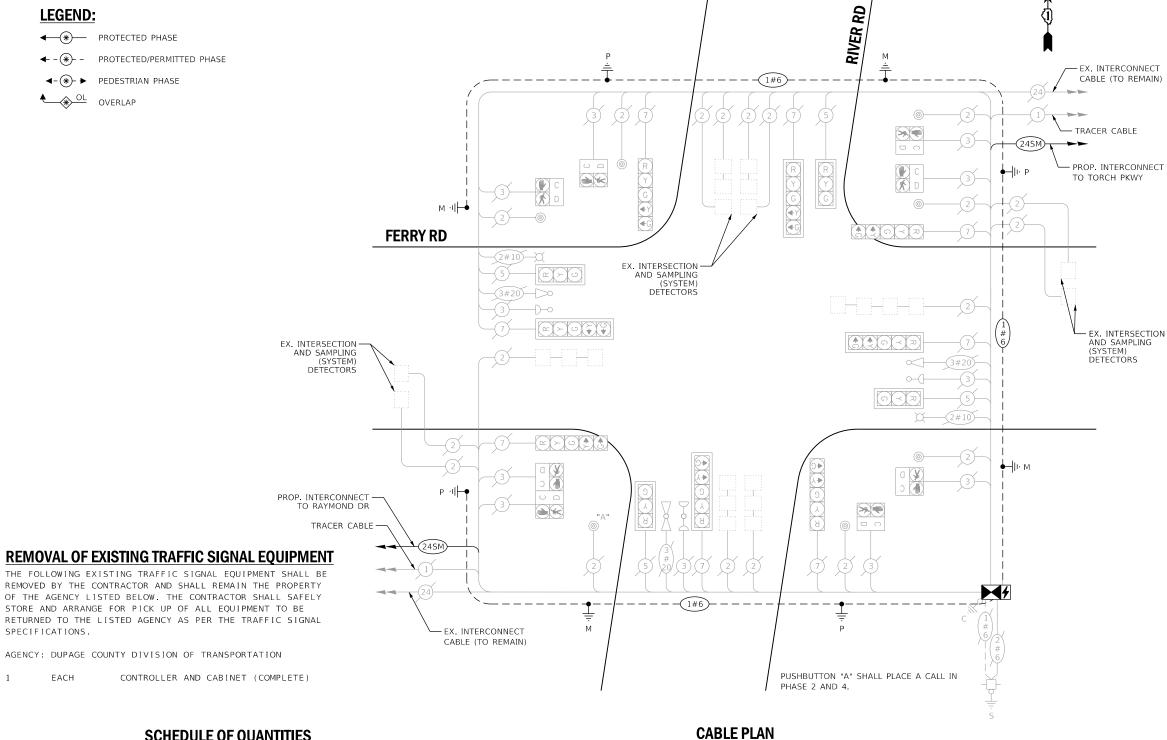
ACCOUNT NUMBER

LEGEND:

◆ PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

PEDESTRIAN PHASE



SCHEDULE OF QUANTITIES

ELECTRIC METER SOCKET

TOTAL QTY. <u>UNITS</u> ITEM DESCRIPTION EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION GROUNDING EXISTING HANDHOLE FRAME AND COVER EACH 750 FOOT ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C EACH INDUCTIVE LOOP DETECTOR EACH RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH EACH LAYER II (DATALINK) SWITCH EACH FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL EACH UNINTERRRUPTABLE POWER SUPPLY, SPECIAL

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT



DESIGNED - DW REVISED JSER NAME = dwiktorzak DRAWN - RG REVISED CHECKED - ZH REVISED REVISED PLOT DATE = 8/28/2018 DATE

EACH

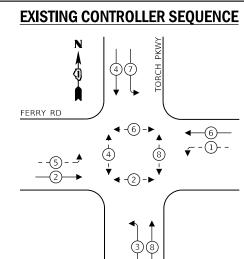
SPECIFICATIONS.

EACH

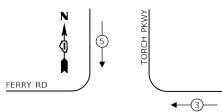
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE SECTION COUNTY PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES VAR. 17-DCCSS-01-TL DUPAGE 277 71 FERRY RD AND RIVER RD CONTRACT NO. 61F05

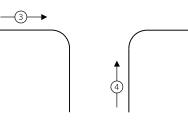
v:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO3 Centracs Expansion 2\CADD_Sheets\0302-sht-ts-cable.dgn

TOTAL = 693.8



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

	110.01		/0	I IOIAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	8	10	10	8.0
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	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	-	75	100	-

ENERGY COSTS TO:

64

TS SHT NO.

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704

COMPANY: COM-ED LOMBARD
ACCOUNT NUMBER:

USER NAME = dwikto

USER NAME = dwiktorzak DESIGNED - DW REVISED DRAWN - RG REVISED PLOT SCALE = 40.0000 ' / in. CHECKED - ZH REVISED PLOT DATE = 8/28/2018 DATE REVISED

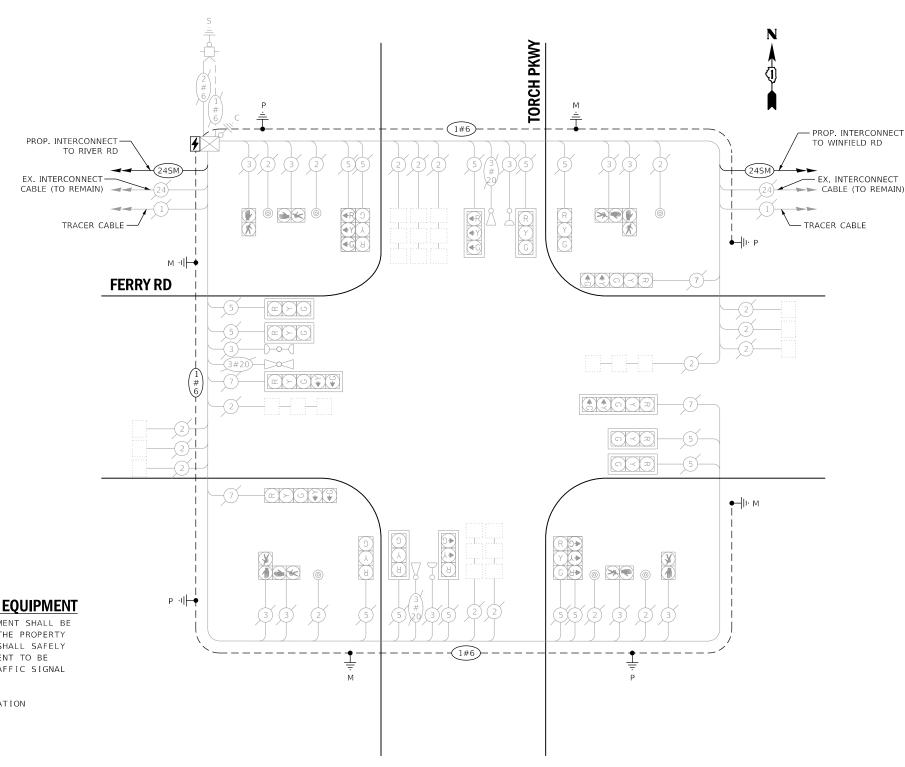
LEGEND:

◆ * PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

◄-(*)- ► PEDESTRIAN PHAS

* OVERLA



REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

1 EACH CONTROLLER

SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION	
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	
7	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER	
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6	10
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	
1	EACH	LAYER II (DATALINK) SWITCH	
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL	
1	EACH	ELECTRIC METER SOCKET	

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CABLE PLAN

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

DUPAGE 277 72

CONTRACT NO. 61F05

COUNTY

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
FERRY RD AND TORCH PKWY

FROM 17-DCCSS-01-TL

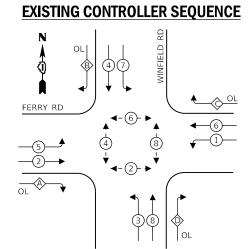
TOTAL = 507.2

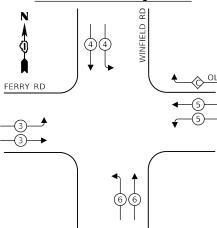
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: NTS

TRAFFIC SIGNAL MODERNIZATION PLAN
WINFIELD RD AND FERRY RD
SHEET 5 OF 22 SHEETS STA. TO STA.





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

		I NO. OF	LED .	%	TOTAL
TYPE		LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL	(RED)	20	11	50	110.0
	(YELLOW)	20	20	5	20.0
	(GREEN)	20	12	45	108.0
PERMISSIV	/E ARROW	16	10	10	16.0
PED. SIGN	IAL	16	20	100	320.0
CONTROL	LER	1	100	100	100.0
UPS		1	25	100	25.0
VIDEO SYS	STEM	-	150	100	-
BLANK-OU	IT SIGN	-	25	5	-
FLASHER		-	-	50	-
STREET N	AME SIGN	-	120	50	-
LUMINAIR	E	2	-	-	250.0
PTZ CAME	RA	1	75	100	75.0
				TOTAL =	1024.0

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187 ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

DESIGNED - DW REVISED JSER NAME = dwiktorzak DRAWN - RG REVISED CHECKED - ZH REVISED REVISED PLOT DATE = 8/28/2018 DATE

LEGEND:

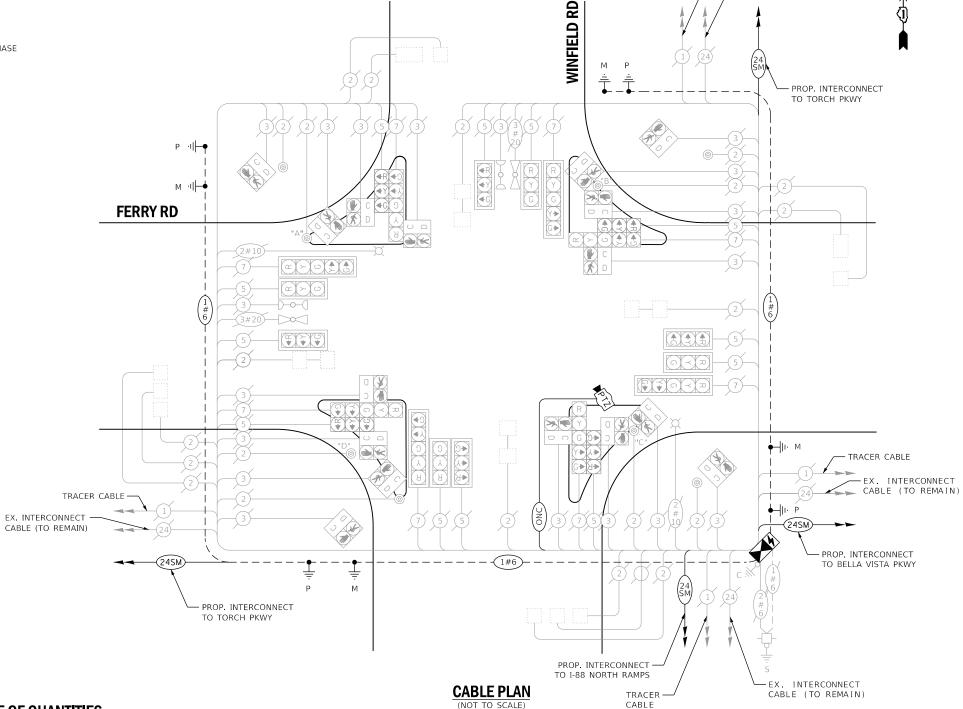
◆ * PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

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SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION	
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	
6	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER	
850	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6	10
14	EACH	INDUCTIVE LOOP DETECTOR	
1	FOOT	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM PHASING UNIT	
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	
134	EACH	OUTDOOR RATED NETWORK CABLE	
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM	
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	
1	EACH	LAYER III (NETWORK) SWITCH	
1	EACH	ELECTRIC METER SOCKET	

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PUSHBUTTON NOTES:

(LATEST VERSION).

PUSHBUTTON "A" SHALL PLACE CALLS IN PHASES 4 & 6 PUSHBUTTON "B" SHALL PLACE CALLS IN PHASES 6 & 8 PUSHBUTTON "C" SHALL PLACE CALLS IN PHASES 2 & 8

- TRACER CABLE

-EX. INTERCONNECT CABLE (TO REMAIN)

PUSHBUTTON "D" SHALL PLACE CALLS IN PHASES 2 & 4

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP

DUDOT

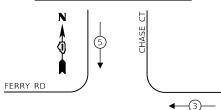
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE SECTION COUNTY PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES DUPAGE 277 74 17-DCCSS-01-TL WINFIELD RD AND FERRY RD

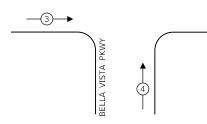
OF 22 SHEETS STA. CONTRACT NO. 61F05

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EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

38





TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE LAMPS WATTAGE OPERATION WATTAGE SIGNAL (RED) 18 11 50 99.0 (YELLOW) 18 20 5 18.0 (GREEN) 18 12 45 97.2 PERMISSIVE ARROW 8 10 10 8.0 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 - LUMINAIRE - 250 50 - PTZ CAMERA - 75 100 -		NO. OF	LED	%	TOTAL
(YELLOW) 18 20 5 18.0 (GREEN) 18 12 45 97.2 PERMISSIVE ARROW 8 10 10 8.0 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 - LUMINAIRE - 250 50 - PTZ CAMERA - 75 100 -	TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
(GREEN) 18 12 45 97.2 PERMISSIVE ARROW 8 10 10 8.0 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 - LUMINAIRE - 250 50 - PTZ CAMERA - 75 100 -	SIGNAL (RED)	18	11	50	99.0
PERMISSIVE ARROW 8 10 10 8.0 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 - LUMINAIRE - 250 50 - PTZ CAMERA - 75 100 -	(YELLOW)	18	20	5	18.0
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 - LUMINAIRE - 250 50 - PTZ CAMERA - 75 100 -	(GREEN)	18	12	45	97.2
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 - LUMINAIRE - 250 50 - PTZ CAMERA - 75 100 -	PERMISSIVE ARROW	8	10	10	8.0
UPS 1 25 100 25.0 VIDEO SYSTEM - 150 100 - BLANK-OUT SIGN - 25 5 - FLASHER - - 50 - STREET NAME SIGN - 120 50 - LUMINAIRE - 250 50 - PTZ CAMERA - 75 100 -	PED. SIGNAL	8	20	100	160.0
VIDEO SYSTEM - 150 100 - BLANK-OUT SIGN - 25 5 - FLASHER - - 50 - STREET NAME SIGN - 120 50 - LUMINAIRE - 250 50 - PTZ CAMERA - 75 100 -	CONTROLLER	1	100	100	100.0
BLANK-OUT SIGN - 25 5 - FLASHER - - 50 - STREET NAME SIGN - 120 50 - LUMINAIRE - 250 50 - PTZ CAMERA - 75 100 -	UPS	1	25	100	25.0
FLASHER - - 50 - STREET NAME SIGN - 120 50 - LUMINAIRE - 250 50 - PTZ CAMERA - 75 100 -	VIDEO SYSTEM	-	150	100	-
STREET NAME SIGN - 120 50 - LUMINAIRE - 250 50 - PTZ CAMERA - 75 100 -	BLANK-OUT SIGN	-	25	5	-
LUMINAIRE - 250 50 - PTZ CAMERA - 75 100 -	FLASHER	-	-	50	-
PTZ CAMERA - 75 100 -	STREET NAME SIGN	-	120	50	-
	LUMINAIRE	-	250	50	-
TOTAL = 507.2	PTZ CAMERA	-	75	100	-
TOTAL = 507.2					
				TOTAL =	507.2

ENERGY COSTS TO:

TS SHT NO. 67

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704
COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:__

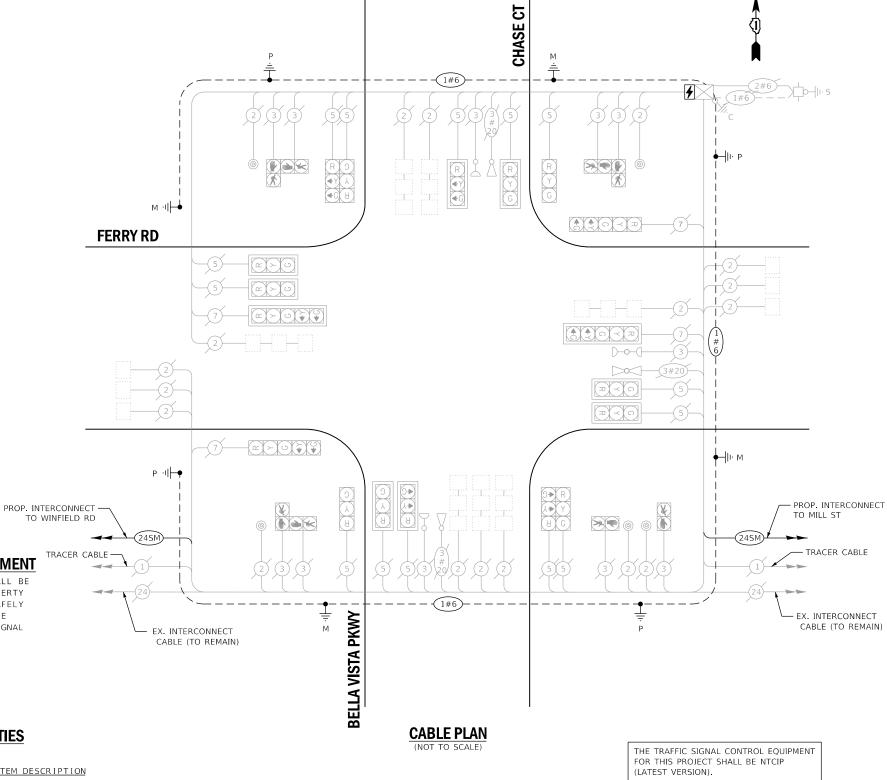
LEGEND:

◆ * PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

♥ OL OVERLA



SCHEDULE OF QUANTITIES

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE

REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY

OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE

RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

CONTROLLER

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
8	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER SOCKET

DUDOT



 USER NAME
 = dwiktorzak
 DESIGNED
 DW
 REVISED

 PLOT SCALE
 = 40.0000 ' / in.
 CHECKED
 ZH
 REVISED

 PLOT DATE
 = 8/28/2018
 DATE
 REVISED

SPECIFICATIONS.

EACH

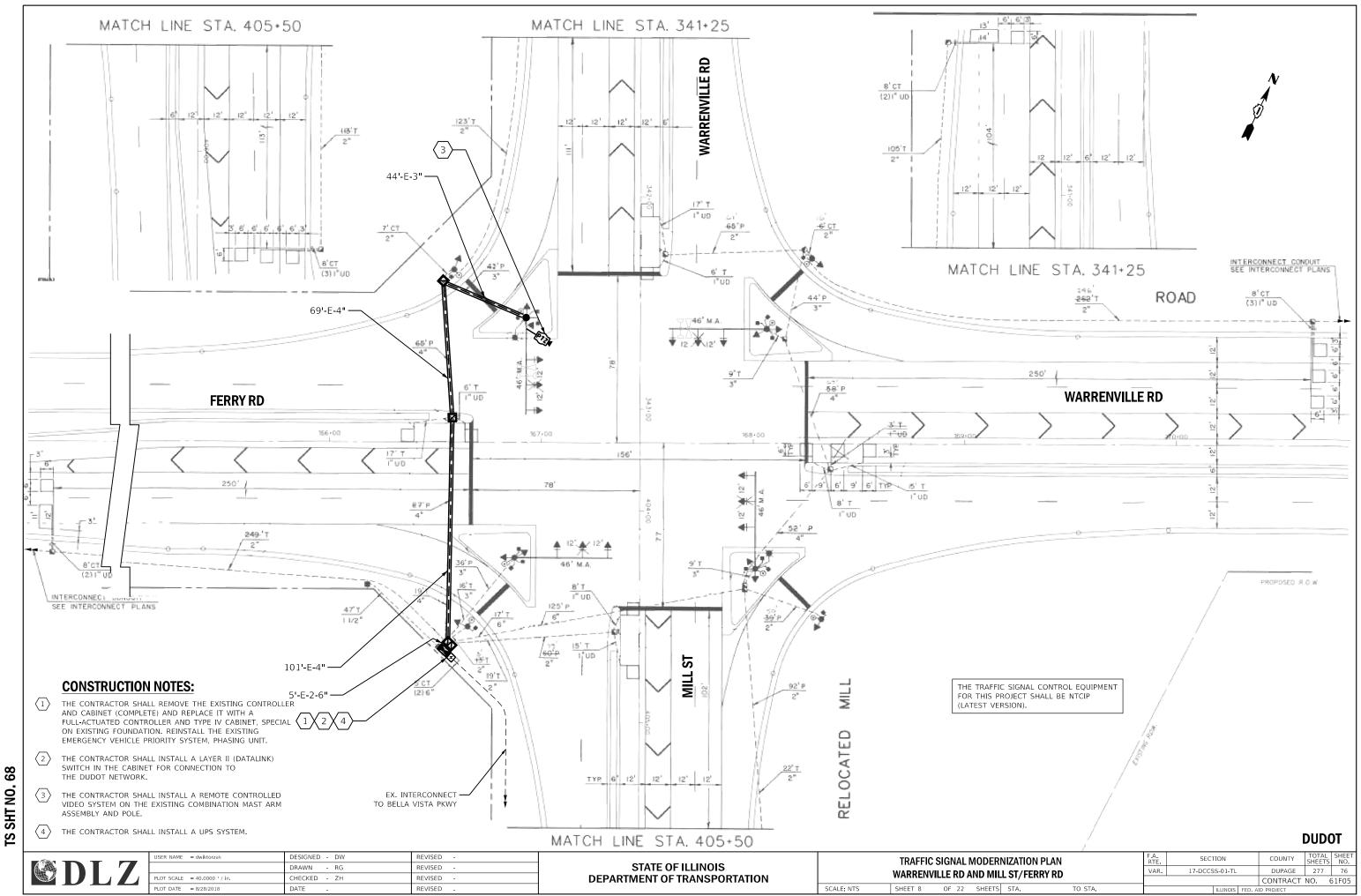
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
FERRY RD AND CHASE CT/BELLA VISTA PKWY

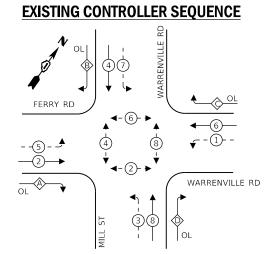
SHEET 7 OF 22 SHEETS STA. TO STA.

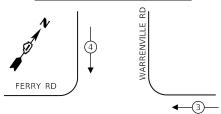
F.A. RTE. SECTION COUNTY SHEETS NO.
VAR. 17-DCCSS-01-TL DUPAGE 277 75

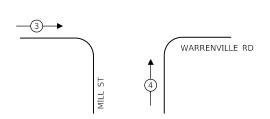
CONTRACT NO. 61F05



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TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	32	10	10	32.0
PED. SIGNAL	16	20	100	320.0
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	-
LUMINAIRE	2	-	•	250.0
PTZ CAMERA	1	75	100	75.0

TS SHT NO. 69

421 N. COUNTY FARM RD.

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

ACCOUNT NUMBER

DESIGNED - DW REVISED JSER NAME = dwiktorzak DRAWN - RG REVISED HECKED - ZH REVISED REVISED PLOT DATE = 8/28/2018 DATE

LEGEND:

◆PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTEI PHASE
	=	2	+	3
В	_	4	+	5
C	-	6	+	7
D	-	8	+	1

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

EACH CONTROLLER AND CABINET (COMPLETE)

CABLE PLAN

ST

MILL

-PROP. INTERCONNECT TO BELLA VISTA PKWY

PUSHBUTTON "A" SHALL PLACE CALLS IN PHASES 4 & 6 PUSHBUTTON "B" SHALL PLACE CALLS IN PHASES 6 & 8
PUSHBUTTON "C" SHALL PLACE CALLS IN PHASES 2 & 8
PUSHBUTTON "D" SHALL PLACE CALLS IN PHASES 2 & 4

(LATEST VERSION).

TOTAL QTY. <u>UNITS</u> ITEM DESCRIPTION MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH GROUNDING EXISTING HANDHOLE FRAME AND COVER ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C FOOT 850 14 EACH INDUCTIVE LOOP DETECTOR EACH RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM PHASING UNIT REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH OUTDOOR RATED NETWORK CABLE 305 FOOT EACH REMOTE CONTROLLED VIDEO SYSTEM LAYER II (DATALINK) SWITCH EACH FACH FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL EACH UNINTERRUPTABLE POWER SUPPLY, SPECIAL EACH ELECTRIC METER SOCKET

SCHEDULE OF QUANTITIES

PROP. INTERCONNECT -TO CHASE CT

TRACER CABLE -

EX. INTERCONNECT CABLE (TO REMAIN)

DUDOT

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES WARRENVILLE RD AND MILL ST/FERRY RD

WARRENVILLE

SECTION COUNTY VAR. 17-DCCSS-01-TL DUPAGE 277 77 CONTRACT NO. 61F05

- PROP. INTERCONNECT TO HERRICK RD

TRACER CABLE

WARRENVILLE RD

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP

EX. INTERCONNECT CABLE (TO REMAIN)

TOTAL = 992.4

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

WHEATON, IL 60187

PHONE: (630)-424-5704

COMPANY: COM-ED LOMBARD

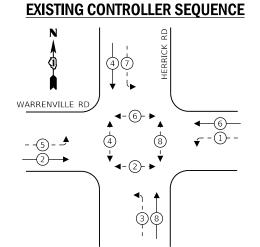
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

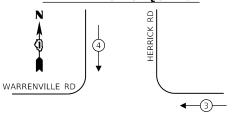
TRACER CABLE

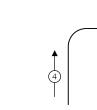
EX. INTERCONNECT CABLE (TO REMAIN)

FERRY RD

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TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

		NO. OF	LED	%	TOTAL
	TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
	SIGNAL (RED)	12	11	50	66.0
	(YELLOW)	12	20	5	12.0
	(GREEN)	12	12	45	64.8
	PERMISSIVE ARROW	16	10	10	16.0
	PED. SIGNAL	-	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	-
	LUMINAIRE	2	250	-	250.0
	PTZ CAMERA	-	75	100	-

ENERGY COSTS TO:

TS SHT NO. 70

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704

COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

ODLZ

USER NAME = dwiktorzak DESIGNED - DW REVISED DRAWN - RG REVISED PLOT SCALE = 40,0000 ' / in. CHECKED - ZH REVISED PLOT DATE = 8/28/2018 DATE REVISED

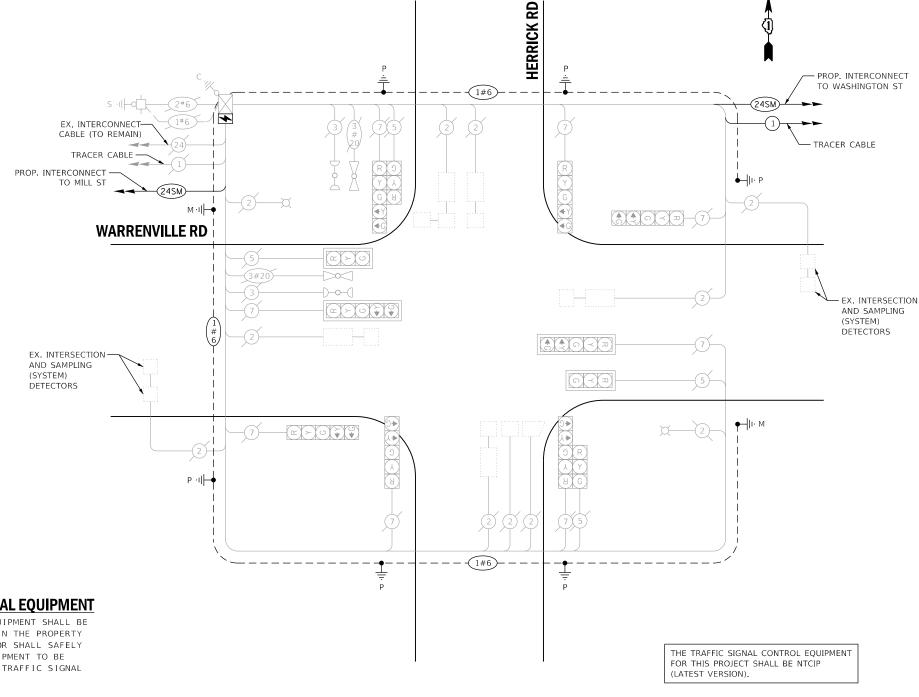
LEGEND:

◆ PROTECTED PHASE

← - ** - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

♥ OL OVERLA



REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

1 EACH CONTROLLER

SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION	
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	
4	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER	
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6	1C
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	
1	EACH	LAYER II (DATALINK) SWITCH	
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL	
1	EACH	ELECTRIC METER SOCKET	

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DUDOT

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES WARRENVILLE RD AND HERRICK RD

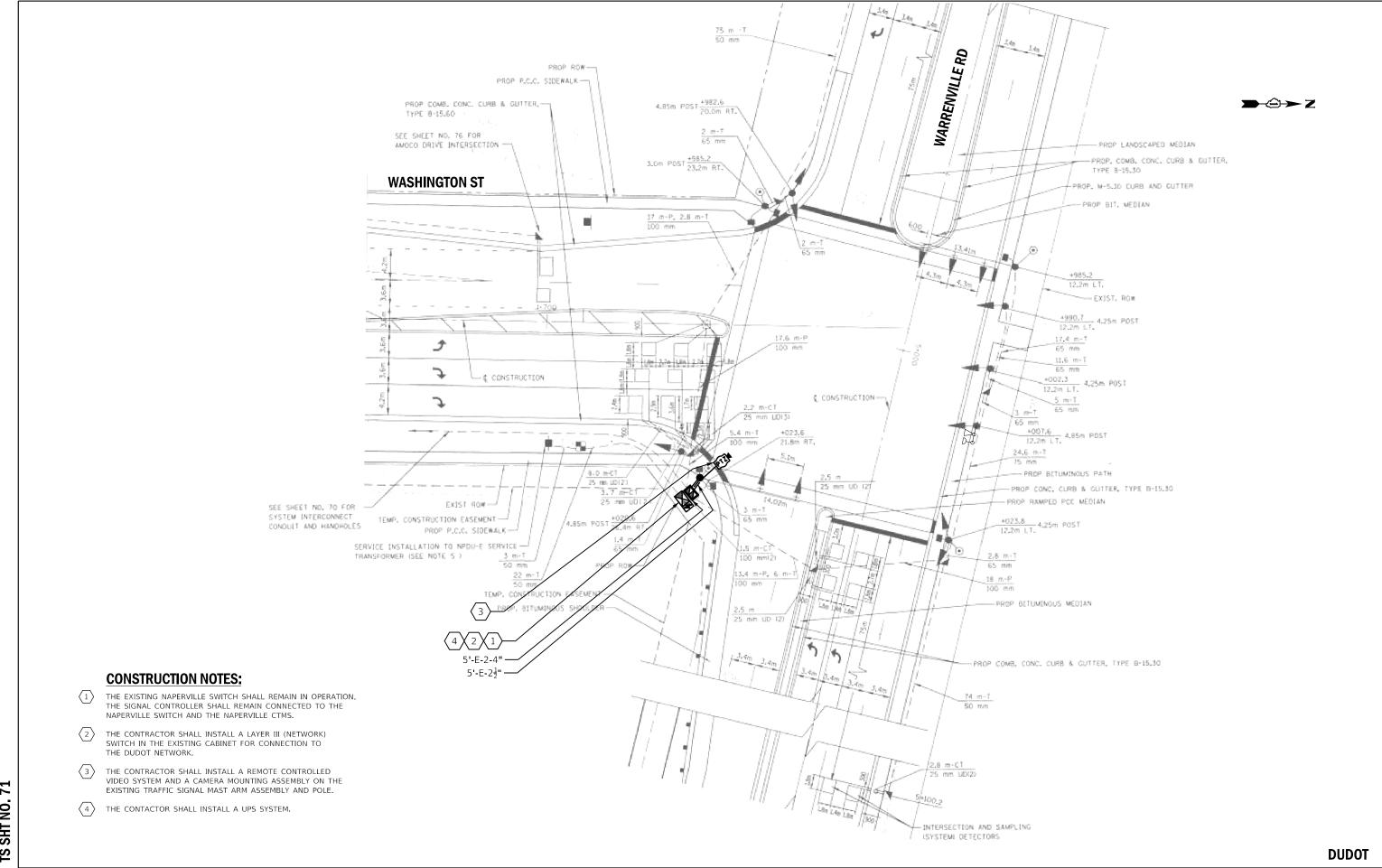
CABLE PLAN

 F.A. RTE.
 SECTION
 COUNTY SHEETS
 TOTAL NO.
 SHEET NO.

 VAR.
 17-DCCSS-01-TL
 DUPAGE
 277
 78

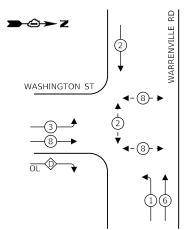
 CONTRACT NO.
 61F05

TOTAL = 533.8



	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -			TRAFFIC SIGNAL MODER	NIZATION PLA	NN	F.A.	SECTION	COUNTY	TOTAL	SHEET
7		DRAWN - RG	REVISED -	STATE OF ILLINOIS	WARRENVILLE RD AND WASHINGTON ST			VAR.	17-DCCSS-01-TL	DUPAGE	277	79	
	PLOT SCALE = 40.0000 / in.	CHECKED - ZH	REVISED -	DEPARTMENT OF TRANSPORTATION		WARREINVILLE RD AIND W	VASHINGTON	SI			CONTRACT	NO. 6	61F05
	PLOT DATE = 8/28/2018	DATE -	REVISED -		SCALE: NTS	SHEET 11 OF 22 SHEETS	STA.	TO STA.		ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



LEGEND:

◆ * PROTECTED PHASE

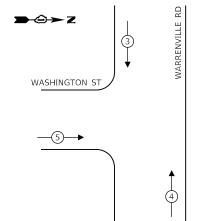
← -(*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE	PROTECTE PHASE			
Α	_	2	+	3		
D	_	0	-1.	1		

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



- THE EXISTING NAPERVILLE SWITCH SHALL REMAIN IN OPERATION. THE SIGNAL CONTROLLER SHALL REMAIN CONNECTED TO THE
- THE CONTRACTOR SHALL INSTALL A LAYER III (NETWORK) SWITCH IN THE EXISTING CABINET FOR CONNECTION TO
- THE CONTRACTOR SHALL INSTALL A REMOTE CONTROLLED VIDEO SYSTEM AND A CAMERA MOUNTING ASSEMBLY ON THE

CONSTRUCTION NOTES:

- NAPERVILLE SWITCH AND THE NAPERVILLE CTMS.
- THE DUDOT NETWORK.
- EXISTING TRAFFIC SIGNAL MAST ARM ASSEMBLY AND POLE.
- THE CONTACTOR SHALL INSTALL A UPS SYSTEM.

WASHINGTON ST TRACER CABLE EX. INTERCONNECT TO BIGHORN RD - PROP. INTERCONNECT TO ILLINOIS HOSPITAL AND HEALTH SYSTEMS ASSOCIATION ENTRANCE TRACER CABLE EX. INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

WARRENVILLE RD

EX. INTERSECTION AND SAMPLING

(SYSTEM) DETECTORS

TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	13	12	45	70.2
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	-
LUMINAIRE	-	-	-	-
PTZ CAMERA	1	75	100	75.0

ENERGY COSTS TO:

TS SHT NO. 72

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	CAMERA MOUNTING ASSEMBLY
72.5	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	LAYER III (NETWORK) SWITCH
1	EACH	ELECTRIC METER SOCKET

CABLE PLAN

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

→②→ Z

PROP. INTERCONNECT

TO HERRICK RD

TRACER CABLE

DUDOT

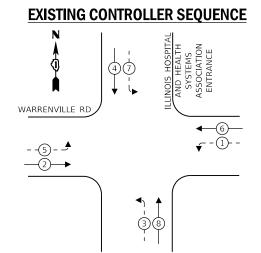


USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

	,			,	EMERGENCY VEHICLE	F.A. RTE	SECT	ΠΟN		
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES				VAR.	17-DCCS	S-01-TL		Ī		
WARRENVILLE RD AND WASHINGTON ST						Γ				
SCALE: NTS	SHEET 12	OF 22	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	II.

TOTAL = 482.7



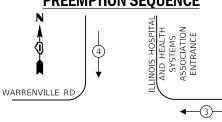
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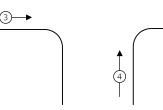
◆ * PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL

ELECTRICAL SERVICE REQUIREMENTS

14

14

16

WATTAGE

12

10

100

25

150

120

250

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

OPERATION

50

45

10

100

100

100

50

50

TOTAL =

WATTAGE

77.0

14.0

75.6

16.0

40.0

100.0

25.0

125.0

472.6

REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

SCHEDULE OF QUANTITIES

TOTAL QTY.	UNITS	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
7	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE SPECIFICATIONS.

CONTROLLER AND CABINET (COMPLETE)

CABLE PLAN

AND HEALTH SYSTEMS ASSOCIATION ENTRANCE

\$\$0C

ILLINOIS HOSPITAL

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT

PROP. INTERCONNECT

TO FREEDOM DR



SIGNAL

UPS

PED. SIGNAL

CONTROLLER

VIDEO SYSTEM

FLASHER

LUMINAIRE

PTZ CAMERA

BLANK-OUT SIGN

STREET NAME SIGN

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T. 421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

(RED)

(YELLOW)

(GREEN)

PERMISSIVE ARROW

DESIGNED - DW REVISED JSER NAME = dwiktorzak DRAWN - RG REVISED CHECKED - ZH REVISED REVISED PLOT DATE = 8/28/2018 DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

M 11-0

- TRACER CABLE

PROP. INTERCONNECT

TO WASHINGTON ST

2#10

WARRENVILLE RD

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES WARRENVILLE RD AND ILLINOIS HOSPITAL AND H.S.A. ENTRANCE

SECTION COUNTY VAR. 17-DCCSS-01-TL DUPAGE 277 81 CONTRACT NO. 61F05

EX. INTERCONNECT

TRACER CABLE

(24SM)-

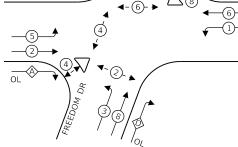
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

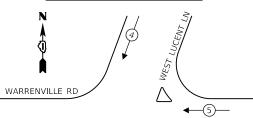
TRAFFIC SIGNAL MODERNIZATION PLAN
WARRENVILLE RD AND WEST LUCENT LN/FREEDOM DR

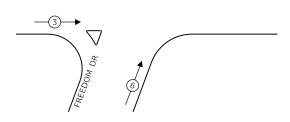
SHEET 14 OF 22 SHEETS STA. TO STA. | ILLIN

EXISTING CONTROLLER SEQUENCE WARRENVILLE RD



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

		NO. OF	LED	%	TOTAL
TYPE		LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL	(RED)	23	11	50	126.5
	(YELLOW)	23	20	5	23.0
	(GREEN)	23	12	45	124.2
PERMISSI	IVE ARROW	20	10	10	20.0
PED. SIG	NAL	10	20	100	200.0
CONTROLLER		1	100	100	100.0
UPS		1	25	100	25.0
VIDEO SYSTEM		1	150	100	150.0
BLANK-O	UT SIGN	-	25	5	-
FLASHER		-	-	50	-
STREET 1	NAME SIGN	-	120	50	=
LUMINAIF	RE	4	250	50	500.0
PTZ CAM	IERA	1	75	100	75.0

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

TS SHT NO. 75

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD ACCOUNT NUMBER:

LEGEND:

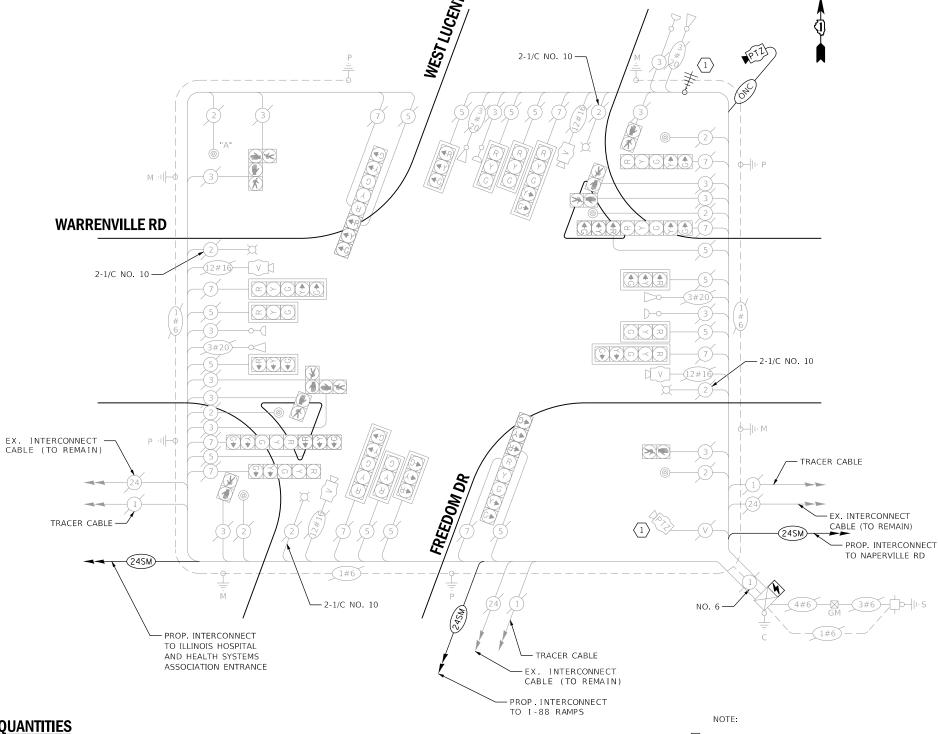
◆ * PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTEI PHASE
Α	_	2	+	3
В	_	4	+	5
C	=	6	+	7
D	_	8	+	1



SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
203.5	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER SOCKET



REMOVE EX. PTZ CAMERA AND WIRELESS ANTENA ONCE NEW PROP. CAMERA AND FIBER OPTIC CABLE HAVE BEEN INSTALLED AND OPERATIONAL, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

DUDOT



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES WARRENVILLE RD AND WEST LUCENT LN/FREEDOM DR
SHEET 15 OF 22 SHEETS STA. TO STA

SECTION COUNTY 17-DCCSS-01-TL DUPAGE 277 83 CONTRACT NO. 61F05

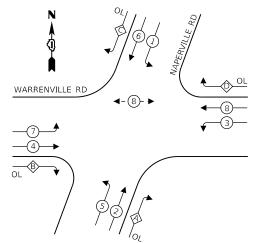
TOTAL = 1343.7

SCALE: NTS

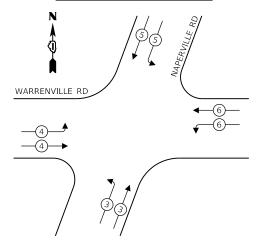
SHEET 16 OF 22 SHEETS STA.

DATE

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	21	11	50	115.5
(YELLOW)	21	20	5	21.0
(GREEN)	21	12	45	113.4
PERMISSIVE ARROW	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	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	250	50	500.0
PTZ CAMERA	1	75	100	75.0

ENERGY COSTS TO:

TS SHT NO. 77

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

JSER NAME = dwiktorzak DESIGNED - DW REVISED DRAWN - RG REVISED CHECKED - ZH REVISED REVISED PLOT DATE = 8/28/2018 DATE

TOTAL QTY.

298.5

<u>UNITS</u>

EACH

FOOT

EACH

EACH

EACH

EACH

UNINTERRUPTABLE POWER SUPPLY, SPECIAL

LAYER III (NETWORK) SWITCH

ELECTRIC METER SOCKET

MODIFY EXISTING CONTROLLER CABINET, SPECIAL

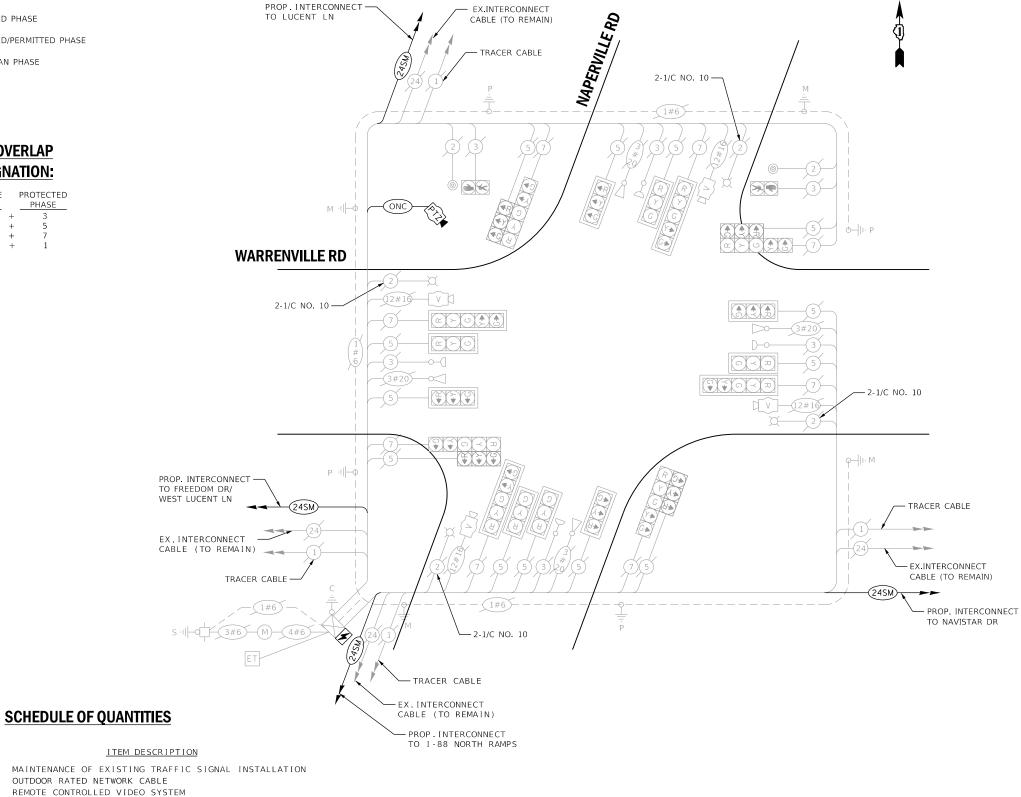
LEGEND:

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

√-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
Α	=	2	+	3
В	=	4	+	5
С	=	6	+	7
D	_	Ω		1

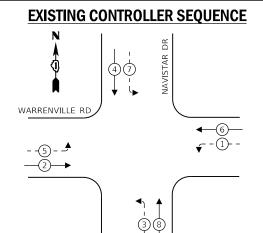


DUDOT

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\Int 39-sht-ts-cable.dgm

TOTAL = 1155.9



LEGEND:

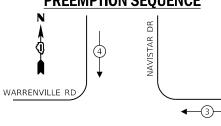
←(*) PROTECTED PHASE

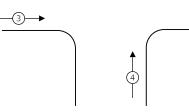
← -(*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

OL OVERLAR

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

EACH CONTROLLER AND CABINET (COMPLETE)

SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
8	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
750	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	ELECTRIC METER SOCKET

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

NO. OF	LED	%	TOTAL
LAMPS	WATTAGE	OPERATION	WATTAGE
12	11	50	66.0
12	20	5	12.0
12	12	45	64.8
16	10	10	16.0
2	20	100	40.0
1	100	100	100.0
1	25	100	25.0
-	150	100	-
-	25	5	-
-	=	50	=
-	120	50	=
2	250	50	250.0
-	75	100	=
		TOTAL =	573.8
	12 12 12 16 2 1 1 1	LAMPS WATTAGE 12 11 12 20 12 12 16 10 2 20 1 100 1 25 - 25 - 120 2 250	LAMPS WATTAGE OPERATION 12 11 50 12 20 5 12 12 45 16 10 10 2 20 100 1 100 100 - 150 100 - 25 5 - - 50 - 120 50 2 250 50 - 75 100

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704
COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:___

© DLZ

USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EX. INTERCONNECT CABLE (TO REMAIN)

PROP. INTERCONNECT —/ TO NAPERVILLE RD

TRACER CABLE -

WARRENVILLE RD

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
WARRENVILLE RD AND NAVISTAR DR

ENTS SHEET 18 OF 22 SHEETS STA. TO STA.

CABLE PLAN

ا⊢۔ NAVISTAR DR

2#10

F.A. RTE. SECTION COUNTY TOTAL SHEETS NO.

VAR. 17-DCCSS-01-TL DUPAGE 277 86

CONTRACT NO. 61F05

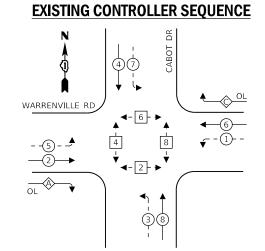
DUDOT

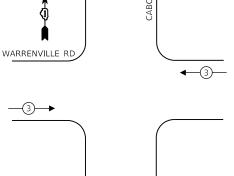
TRACER CABLE

PROP. INTERCONNECT TO CABOT DR

: NAME = pw:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\Int 40-sht-ts-cable.dgn

TS SHT NO. 78





TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

	NO. OF	l LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	24	10	10	24.0
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	-
LUMINAIRE	2	250	50	250.0
PTZ CAMERA	-	75	100	-
			TOTAL =	749.4

ENERGY COSTS TO:

TS SHT NO. 79

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187

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

COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:___

LEGEND:

◆ PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

√- (*)- PEDESTRIAN PHASE

<u>OL</u> OVERLAP

★ SINGLE ENTRY PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER_		PERMISSIVE PHASE		PROTECTE PHASE		
A C	=	2 6	++	3 7		

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE
REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY
OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY
STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE
RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL
SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

1 EACH CONTROLLER AND CABINET (COMPLETE)

- PROP. INTERCONNECT TO LEASK LN/YENDER AVE TRACER CABLE TRACER CABLE - EX. INTERCONNECT PROP. INTERCONNECT CABLE (TO REMAIN) TO NAVISTAR DR **WARRENVILLE RD** 3#10 THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION). **CABLE PLAN**

SCHEDULE OF QUANTITIES

TOTAL QTY.	<u>UNITS</u>	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
8	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	ELECTRIC METER SOCKET

DUDOT

DUPAGE 277 87

CONTRACT NO. 61F05

COUNTY

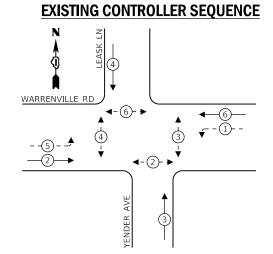


=			
	USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 40.0000 / in.	CHECKED - ZH	REVISED -
	PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
WARRENVILLE RD AND CABOT DR

TO STA.

ILLINOIS FED.



LEGEND:

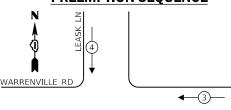
◆ * PROTECTED PHASE

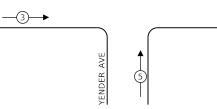
← - (*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE

* SINGLE ENTRY PHASE

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

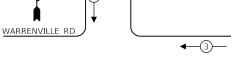
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL

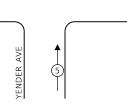
AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

- 1 EACH CONTROLLER
- 1 EACH MASTER CONTROLLER

SCHEDULE OF QUANTITIES

TOTAL QTY.	UNITS	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER SOCKET





WATTAGE OPERATION WATTAGE SIGNAL (RED) 11 50 60.5 (YELLOW) 11.0 (GREEN) 16 12 86.4 45 PERMISSIVE ARROW 10 10 8.0 PED. SIGNAL 160.0 CONTROLLER 100 100 100.0 UPS 25 100 25.0 VIDEO SYSTEM 150 100 BLANK-OUT SIGN FLASHER 50 STREET NAME SIGN 120 50 LUMINAIRE PTZ CAMERA

TRAFFIC SIGNAL

ELECTRICAL SERVICE REQUIREMENTS

ENERGY COSTS TO:

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

 USER
PLOT S
PLOT I

USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

WARRENVILLE RD

TRACER CABLE

EX. INTERCONNECT — CABLE (TO REMAIN)

PROP. INTERCONNECT -

TO CABOT DR

LEASK LN

φ-||- M

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

PUSH BUTTON "C" SHALL PLACE A CALL IN PHASE 6 AND 3

THE TRAFFIC SIGNAL CONTROL EQUIPMENT

FOR THIS PROJECT SHALL BE NTCIP

(LATEST VERSION).

PUSH BUTTON "D" SHALL PLACE A CALL IN PHASE 2 AND 3

TRACER CABLE

PROP. INTERCONNECT TO

TO YACKLEY AVE

— EX. INTERCONNECT

CABLE (TO REMAIN)

										DUD(ΛТ
OADI E DI A	N DUACE E	COLONIAT	TON DIA	ODANA E	MEDOENOVVEUIOLE	Te a				TOTAL	SHEE
					MERGENCY VEHICLE	F.A. RTE	SECTION		COUNTY	SHEETS	
PKEE		•			OF QUANTITIES	VAR.	17-DCCSS-01-TL		DUPAGE	277	88
	WAR	RENVILL	E RD AN	<u>D LEASK</u>	LN				CONTRACT	NO.	61F05
SCALE: NTS	SHEET 20	OF 22	SHEETS	STA.	TO STA.		ILLINOIS	FED. A	ID PROJECT		

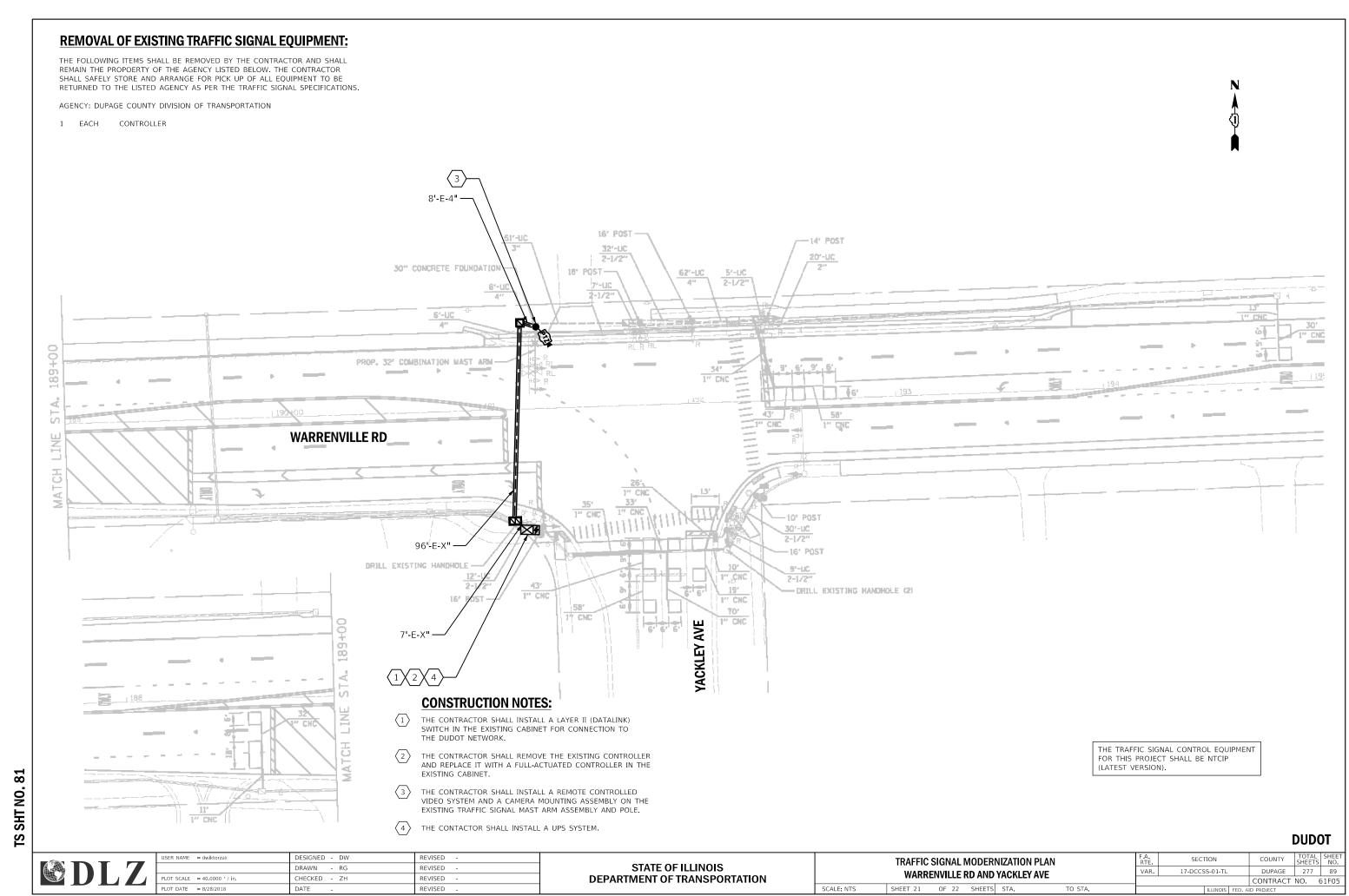
-(1#6)-

CABLE PLAN

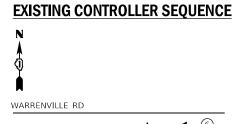
TS SHT NO, 80

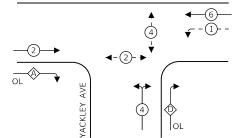
TOTAL =

450.9



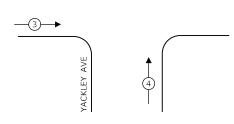
NAME = pw:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\Int 43-sht-ts-plan.dgn







WARRENVILLE RD



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

	NO. OF		%	TOTAL	
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE	
SIGNAL (RED)	12	11	50	66.0	
(YELLOW)	12	20	5	12.0	
(GREEN)	14	12	45	75.6	
PERMISSIVE ARROW	12	10	10	12.0	
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	-	
LUMINAIRE	1	250	50	125.0	
PTZ CAMERA	1	75	100	75.0	
			TOTAL =	570.6	

ENERGY COSTS TO:

TS SHT NO. 82

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704
COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:___

LEGEND:

◆ PROTECTED PHASE

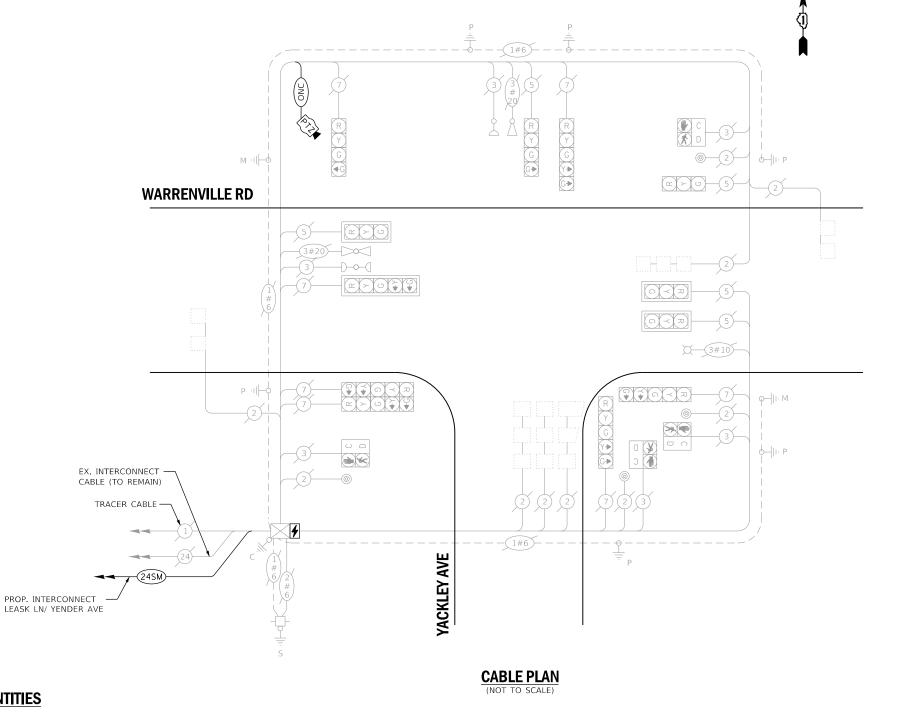
← - ** - PROTECTED/PERMITTED PHASE

◄-*- ► PEDESTRIAN PHASE

◆ OL OVERLA

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTI PHASE
A	=	2	+	4



SCHEDULE OF QUANTITIES

TOTAL QTY.	UNITS	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	CAMERA MOUNTING ASSEMBLY
180	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
1	EACH	LAYER II (DATALINK) SWITCH
1	EACH	FULL-ACTUATED CONTROLLER IN EXISTING CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
1	EACH	MODIFY EXISTING CONTROLLER CABINET, SPECIAL
1	EACH	ELECTRIC METER SOCKET

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DUDOT



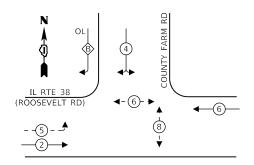
USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
WARRENVILLE RD AND YACKLEY AVE

ENTS SHEET 22 OF 22 SHEETS STA. TO STA.

A. SECTION COUNTY TOTAL SHEETS NO.
VAR. 17-DCCSS-01-TL DUPAGE 277 90
CONTRACT NO. 61F05

EXISTING CONTROLLER SEQUENCE



LEGEND:

◆ * PROTECTED PHASE

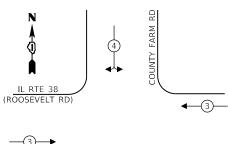
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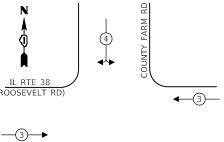
√-(*)- ► PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP		PERMISSIVE		PROTECTED
LETTER		PHASE		PHASE
В	_	4	+	5

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	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	-
LUMINAIRE	2	250	50	250.0
PTZ CAMERA	-	75	100	-
			TOTAL =	605.8

ENERGY COSTS TO:

TS SHT NO. 83

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD.

WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

IL RTE 38

(ROOSEVELT RD)

EX. INTERSECTION AND -SAMPLING (SYSTEM)

ITEM DESCRIPTION

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

DETECTORS

PROP. INTERCONNECT TO WILLIAMS ST

EX. INTERCONNECT CABLE (TO REMAIN)

TRACER CABLE

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES IL RTE 38 (ROOSEVELT RD) AND COUNTY FARM RD

COUNTY FARM RD

SECTION COUNTY 17-DCCSS-01-TL DUPAGE 277 91 VAR. CONTRACT NO. 61F05

SCHEDULE OF QUANTITIES

<u>UNITS</u>

CABLE PLAN

IDOT TS 8225 **ECON 117**

PROP. INTERCONNECT

TO COMMUNITY DR/ HAZELTON AVE

TRACER CABLE

- REMOVE EX. FIBER

AND TRACER CABLE

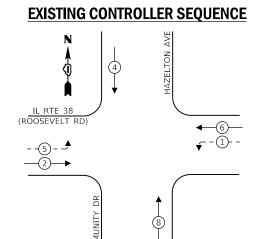
- EX. INTERSECTION AND SAMPLING

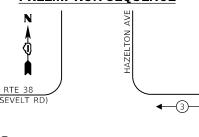
(SYSTEM) DETECTORS

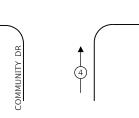
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TOTAL QTY.







TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	-	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	=
LUMINAIRE	-	-	-	-
PTZ CAMERA	-	75	100	=
			TOTAL =	275.8

ENERGY COSTS TO:

84

TS SHT NO.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS/DISTRICT 1 201 WEST CENTER COURT/ SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

JSER NAME = dwiktorzak DESIGNED - DW REVISED DRAWN - RG REVISED CHECKED - ZH REVISED PLOT DATE = 8/28/2018 DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES IL RTE 38 (ROOSEVELT RD) AND HAZELTON AVE/COMMUNITY DR

CABLE PLAN

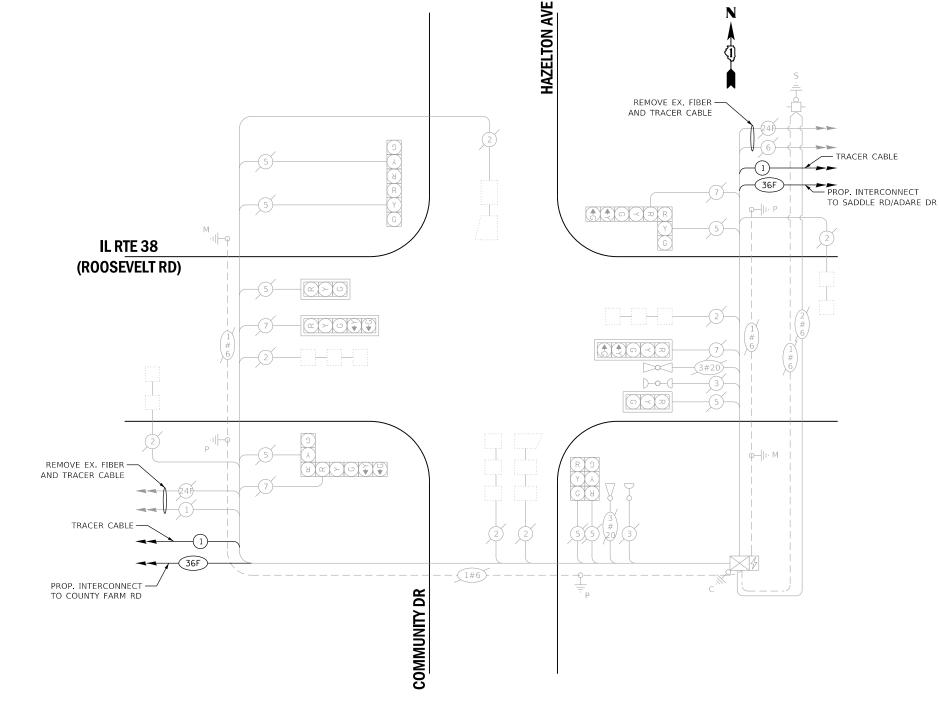
SECTION COUNTY 17-DCCSS-01-TL DUPAGE 277 92 CONTRACT NO. 61F05

LEGEND:

◆ * PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

◄- *- > PEDESTRIAN PHASE

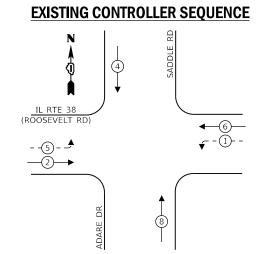


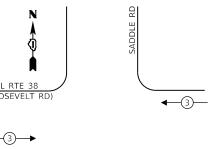
SCHEDULE OF QUANTITIES

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

ITEM DESCRIPTION TOTAL QTY. <u>UNITS</u>

> **IDOT** TS 15261 **ECON 117**





TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

				C	
		NO. OF	LED	%	TOTAL
TYPE		LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL	(RED)	14	11	50	77.0
	(YELLOW)	14	20	5	14.0
	(GREEN)	14	12	45	75.6
PERMISSI	VE ARROW	8	10	10	8.0
PED. SIGI	NAL	-	20	100	-
CONTROL	LER	1	100	100	100.0
UPS		1	25	100	25.0
VIDEO SY	/STEM	-	150	100	-
BLANK-O	UT SIGN	-	25	5	-
FLASHER		-	-	50	-
STREET N	NAME SIGN	-	120	50	-
LUMINAIR	RE	-	-	-	-
PTZ CAM	ERA	-	75	100	-
			-	TOTAL =	299.6

ENERGY COSTS TO:

85

TS SHT NO.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS/DISTRICT 1

201 WEST CENTER COURT/ SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: MR. DAVE SCHACHT

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

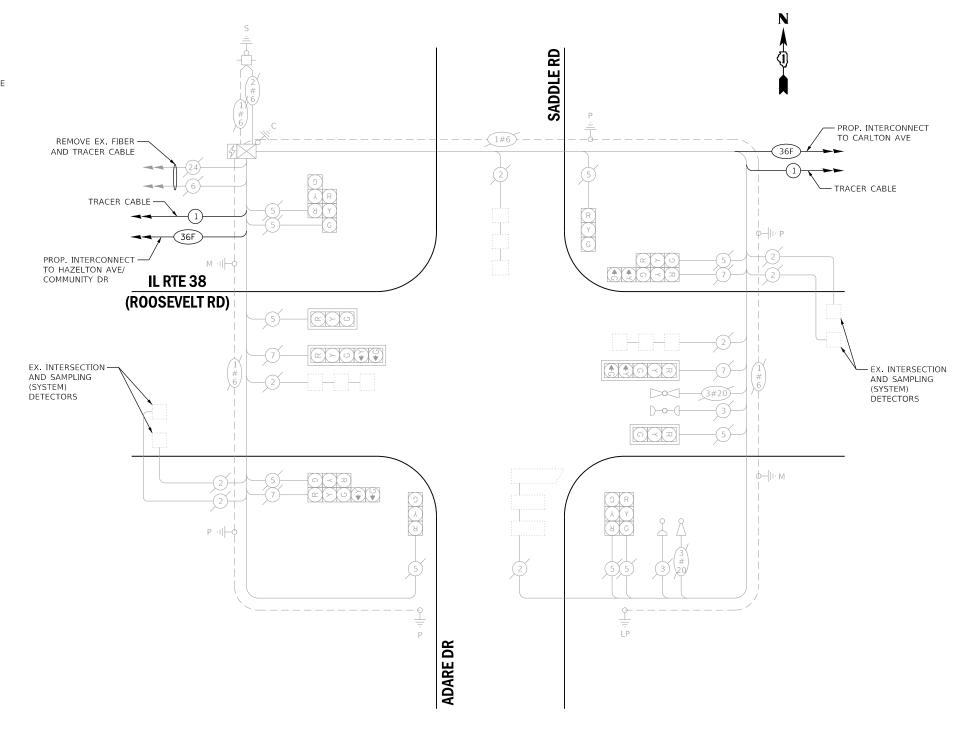
ACCOUNT NUMBER:

DESIGNED - DW REVISED JSER NAME = dwiktorzak DRAWN - RG REVISED CHECKED - ZH REVISED REVISED PLOT DATE = 8/28/2018 DATE

LEGEND:

◆ * PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION TOTAL QTY. <u>UNITS</u> MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION **CABLE PLAN**

IDOT TS 15260 **ECON 117**

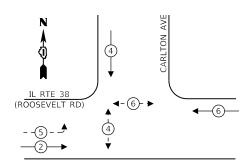


STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE SECTION PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES 17-DCCSS-01-TL

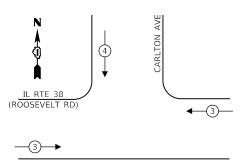
COUNTY DUPAGE 277 93 IL RTE 38 (ROOSEVELT RD) AND SADDLE RD
SHEET 3 OF 7 SHEETS STA. CONTRACT NO. 61F05

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EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

		NO. OF	LED	%	TOTAL
TYPE		LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL	(RED)	10	11	50	55.0
	(YELLOW)	10	20	5	10.0
	(GREEN)	10	12	45	54.0
PERMISSI	VE ARROW	4	10	10	4.0
PED. SIGI	NAL	4	20	100	80.0
CONTROL	LER	1	100	100	100.0
UPS		1	25	100	25.0
VIDEO SY	'STEM	-	150	100	=
BLANK-O	JT SIGN	-	25	5	-
FLASHER		-	-	50	-
STREET N	NAME SIGN	-	120	50	-
LUMINAIR	(Ε	-	-	-	-
PTZ CAM	ERA	-	75	100	=
	-			TOTAL =	328.0

ENERGY COSTS TO:

TS SHT NO. 86

ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS/DISTRICT 1 201 WEST CENTER COURT/ SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: MR. DAVE SCHACHT

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

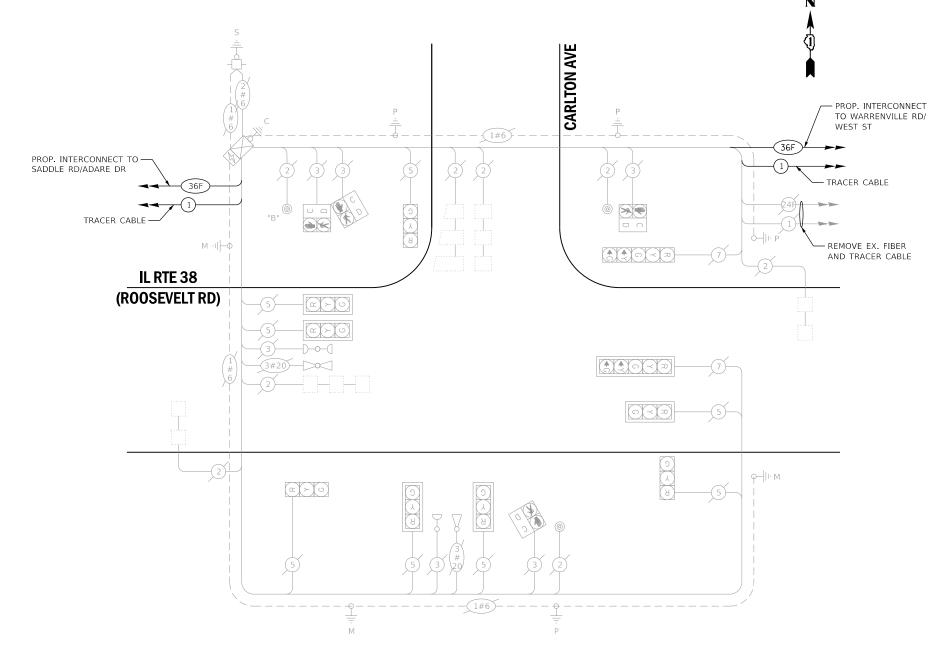
ACCOUNT NUMBER:

LEGEND:

◆ PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

◆- *- PEDESTRIAN PHASE



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

SCHEDULE OF QUANTITIES

MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

ITEM DESCRIPTION

CABLE PLAN

SCALE: NTS

IDOT TS 15255 **ECON 40**

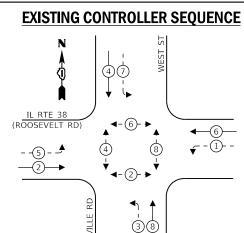


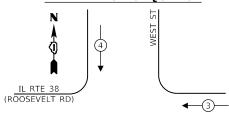
USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

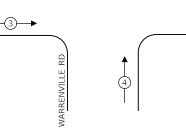
TOTAL QTY. UNITS

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

										`		
	,			. ,	MERGENCY VEHICLE	F.A. RTE	SEC ⁻	ΓΙΟΝ		COUNTY	TOTAL SHEETS	
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES					VAR.	R. 17-DCCSS-01-TL		DUPAGE	277	94		
	IL RTE 38 (ROOSEVI	ELT RD) A	<u>IND CAR</u>	RLTON AVE					CONTRACT	NO.	61F05
LE: NTS	SHEET 4	OF 7	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		







TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	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	-
LUMINAIRE	-	-	-	-
PTZ CAMERA	-	75	100	-
	-		TOTAL =	467.6

ENERGY COSTS TO:

DIVISION OF HIGHWAYS/DISTRICT 1

ENERGY SUPPLY: CONTACT: MR. DAVE SCHACHT

ACCOUNT NUMBER:

JSER NAME = dwiktorzak DESIGNED - DW DRAWN - RG CHECKED - ZH PLOT DATE = 8/28/2018 DATE

STATE OF ILLINOIS

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES IL RTE 38 (ROOSEVELT RD) AND WEST ST/WARRENVILLE RD

CABLE PLAN (NOT TO SCALE)

> SECTION COUNTY VAR. 17-DCCSS-01-TL DUPAGE 277 95 CONTRACT NO. 61F05

LEGEND:

◆ * PROTECTED PHASE

√-(*)- ► PEDESTRIAN PHASE

WEST ST ← - (*)- - PROTECTED/PERMITTED PHASE 1#6 TRACER CABLE - PROP. INTERCONNECT TO MAIN ST REMOVE EX. FIBER AND TRACER CABLE IL RTE 38 (ROOSEVELT RD) EX. INTERSECTION AND -SAMPLING (SYSTEM) REMOVE EX. FIBER — AND TRACER CABLE TRACER CABLE PROP. INTERCONNECT — TO CARLTON AVE PUSH BUTTON "A" SHALL PLACE A CALL IN PHASE 2 AND 4 PUSH BUTTON "D" SHALL PLACE A CALL IN PHASE 2 AND 8

<u>UNITS</u> TOTAL QTY. ITEM DESCRIPTION MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

REVISED

REVISED

REVISED

REVISED

SCHEDULE OF QUANTITIES

87 TS SHT NO.

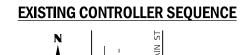
ILLINOIS DEPARTMENT OF TRANSPORTATION

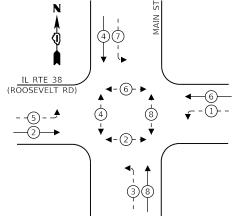
201 WEST CENTER COURT/ SCHAUMBURG, IL 60196-1096

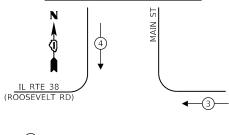
PHONE: (630)-437-2129 COMPANY: COMMONWEALTH EDISON

DEPARTMENT OF TRANSPORTATION

:\\PW1.dlzcorp.com:DLZ\Documents\Projects\2017\1782\2130\WO2 Centracs Expansion 1\CADD_Sheets\Int 75-sht-ts-cable.dgm









TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	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	-
LUMINAIRE	-	-	-	-
PTZ CAMERA	-	75	100	=
			TOTAL =	467.6

ENERGY COSTS TO:

TS SHT NO. 88

ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS/DISTRICT 1 201 WEST CENTER COURT/ SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: MR. DAVE SCHACHT

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

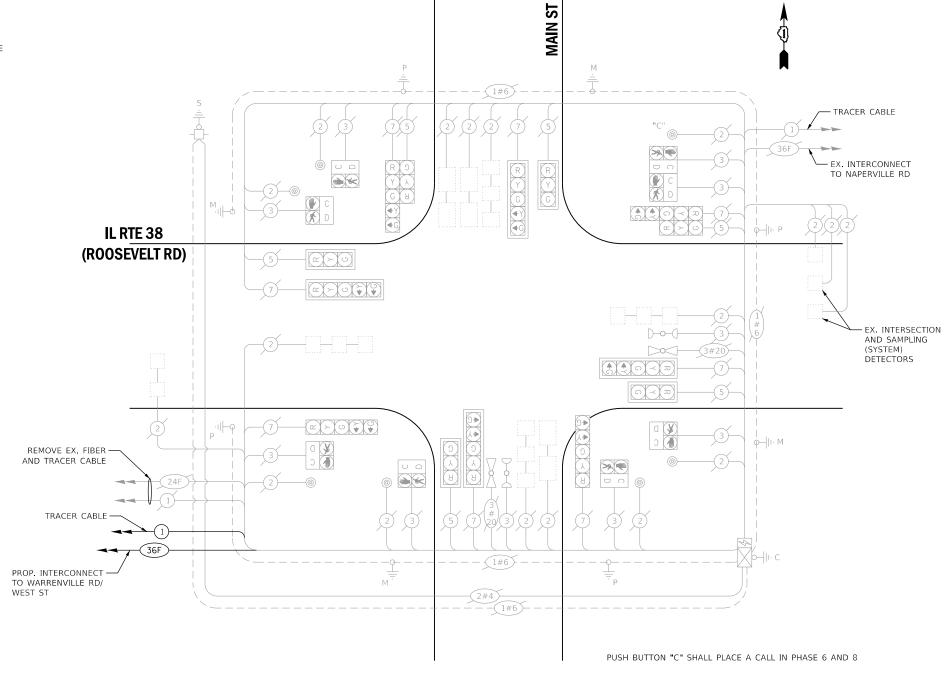
ACCOUNT NUMBER:

LEGEND:

◆ * PROTECTED PHASE

← -(*)- - PROTECTED/PERMITTED PHASE

◄- *- > PEDESTRIAN PHASE



CABLE PLAN

SCALE: NTS

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION TOTAL QTY. UNITS MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

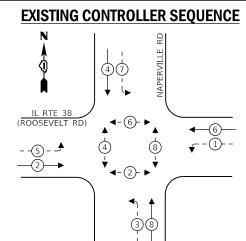
> **IDOT** TS 15245 **ECON 40**

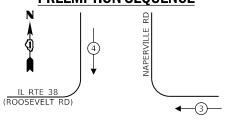


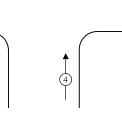
USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

	,			,	LIVILITALITO! VLIIIOLL	F.A. RTE	SEC ⁻	ПОИ		COUNTY	TOTAL SHEETS	SHEET NO.	1
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES				VAR.	R. 17-DCCSS-01-TL DUPA		DUPAGE	277	96				
	IL RTE 3	<u>8 (ROO</u>	<u>SEVELT RI</u>) AND (MAIN ST					CONTRACT	NO.	61F05	
LE: NTS	SHEET 6	OF 7	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT			







TRAFFIC SIGNAL **ELECTRICAL SERVICE REQUIREMENTS**

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	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	=
LUMINAIRE	4	250	50	500.0
PTZ CAMERA	-	75	100	=
			TOTAL =	967.6

ENERGY COSTS TO:

TS SHT NO. 89

ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS/DISTRICT 1 201 WEST CENTER COURT/ SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: MR. DAVE SCHACHT

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

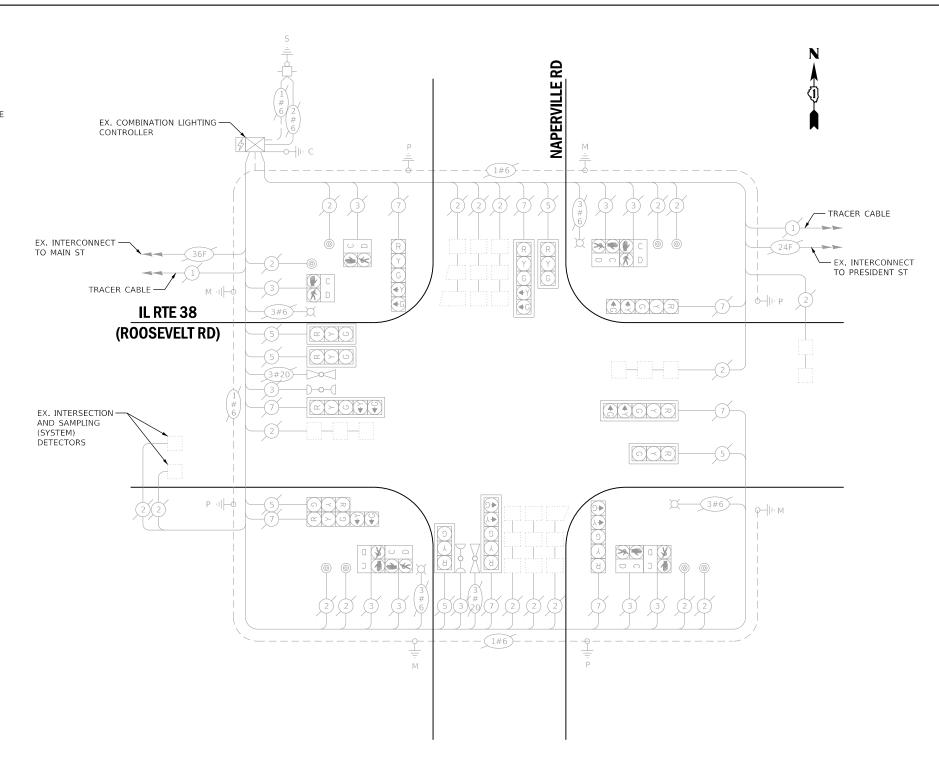
ACCOUNT NUMBER:

LEGEND:

◆ PROTECTED PHASE

← - (*)- - PROTECTED/PERMITTED PHASE

√-(*)- ► PEDESTRIAN PHASE



SCHEDULE OF QUANTITIES

CABLE PLAN

SCALE: NTS

TOTAL QTY.	UNITS	<u>ITEM DESCRIPTION</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

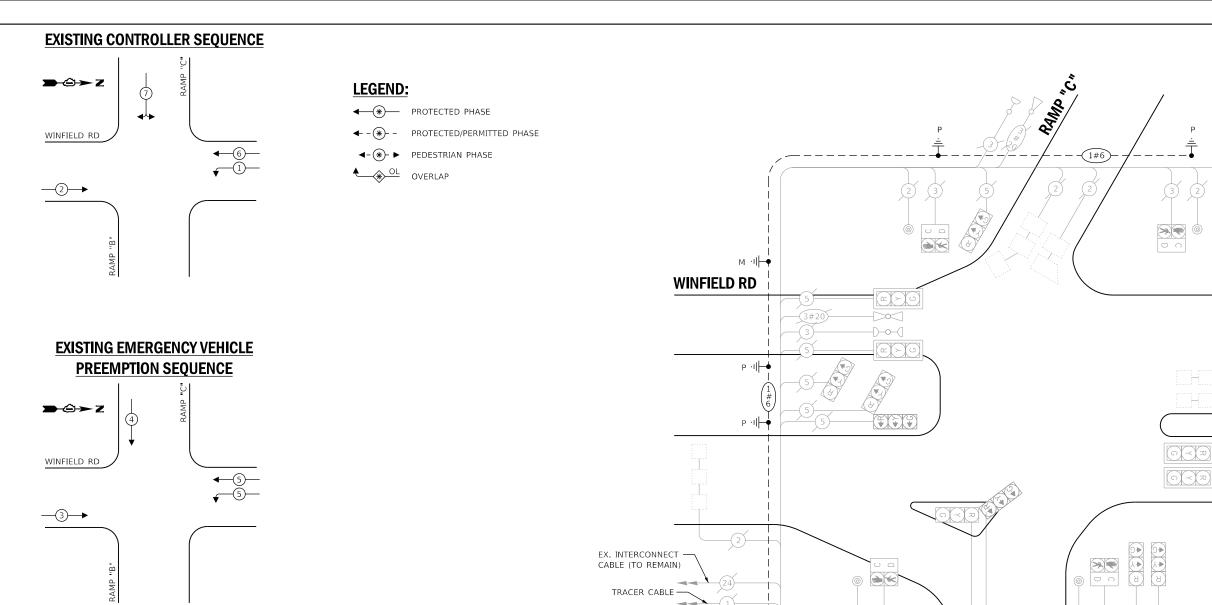
IDOT TS 15240 **ECON 40**



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

	,			,	WILKGEROT VEHICLE	F.A. RTE.	SEC ⁻	ΓΙΟΝ		COUNTY	TOTAL SHEETS	SHEET NO.
				-	OF QUANTITIES	VAR.	17-DCCS	S-01-TL		DUPAGE	277	97
JI	<u>l RTE 38 (f</u>	<u>Roosevei</u>	<u>LT RD) Al</u>	<u>nd nape</u>	RVILLE RD					CONTRACT	NO.	61F05
LE: NTS	SHEET 7	OF 7	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

	NO. OF	LED	%	TOTAL
TYPE	LAMPS	WATTAGE	OPERATION	WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	13	12	45	70.2
PERMISSIVE ARROW	-	10	10	-
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	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	-	75	100	-
			TOTAL =	359.7

ENERGY COSTS TO:

TS SHT NO, 90

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704
COMPANY: COM-ED LOMBARD

ACCOUNT NUMBER:

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: DUPAGE COUNTY DIVISION OF TRANSPORTATION

EACH CONTROLLER AND CABINET (COMPLETE)

SCHEDULE OF QUANTITIES

TOTAL QTY. <u>UNITS</u> ITEM DESCRIPTION MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION GROUNDING EXISTING HANDHOLE FRAME AND COVER EACH ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C 750 FOOT INDUCTIVE LOOP DETECTOR RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT FACH EACH LAYER II (DATALINK) SWITCH FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL UNINTERRUPTABLE POWER SUPPLY, SPECIAL EACH ELECTRIC METER SOCKET EACH

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

CABLE PLAN (NOT TO SCALE)

RAMP

DUDOT

DUPAGE 277 98

CONTRACT NO. 61F05

-EX. INTERCONNECT CABLE (TO REMAIN)

PROP. INTERCONNECT



USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROP. INTERCONNECT TO DIEHL RD

	,			,	MERGENCY VEHICLE	F.A. RTE	SEC.	TION		
PREE	PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES				VAR.	17-DCC	SS-01-TL			
	WII	<u>NFIELD RI</u>	O AND I-8	<u>8 (500)</u>	H)					
SCALE: NTS	SHEET 1	OF 5	SHEETS	STA.	TO STA.			ILLINOIS	FED. AI	ĺ

© DLZ

USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** TRAFF

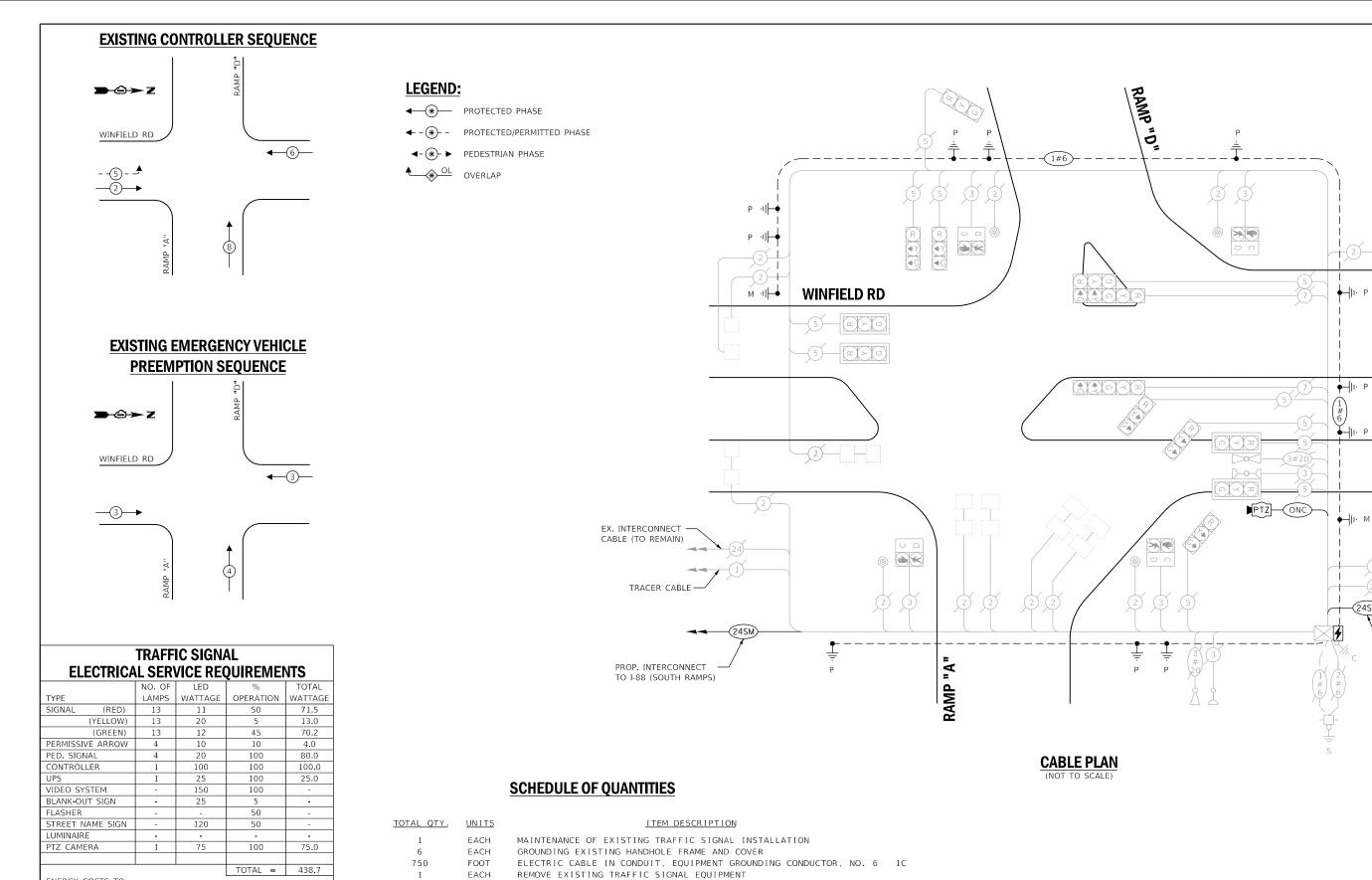
SHEET 2

SCALE: NTS

FIC SIGNAL MODERNIZATION PLAN VINFIELD RD AND I-88 (NORTH)				F.A. RTE	SECTION		COUNTY	TOTAL SHEETS				
					VAR.	17-DCCSS-01-TL		DUPAGE	277	99		
								CONTRACT	NO.	61F05		
	OF 5	SHEETS	STA.	TO	STA.			ILLINOIS	FED A	ID PROJECT		

DUDOT

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CAMERA MOUNTING ASSEMBLY

ELECTRIC METER SOCKET

OUTDOOR RATED NETWORK CABLE

LAYER II (DATALINK) SWITCH

REMOTE CONTROLLED VIDEO SYSTEM

UNINTERRUPTABLE POWER SUPPLY, SPECIAL

MODIFY EXISTING CONTROLLER CABINET, SPECIAL

EACH

FOOT

EACH

EACH

EACH

EACH

ENERGY COSTS TO:

TS SHT NO.

DUPAGE COUNTY D.O.T.

421 N. COUNTY FARM RD. WHEATON, IL 60187

ENERGY SUPPLY: CONTACT: MR. JOE STACHO

PHONE: (630)-424-5704 COMPANY: COM-ED LOMBARD

USER NAME = dwiktorzak	DESIGNED - DW	REVISED -
	DRAWN - RG	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED - ZH	REVISED -
PLOT DATE = 8/28/2018	DATE -	REVISED -

84

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES WINFIELD RD AND I-88 (NORTH)

3 OF 5 SHEETS STA.

SECTION COUNTY 17-DCCSS-01-TL DUPAGE 277 100 CONTRACT NO. 61F05

DUDOT

⋑-��→ Z

-EX. INTERCONNECT CABLE (TO REMAIN)

PROP. INTERCONNECT

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