06–12–2026 LETTING ITEM 009

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

IL ROUTE 62 (ALGONQUIN ROAD)
FAP 339 /FAU 3514
(FORMER EAGLE 1N)
ADT (2023) = 22,400 – 26,000 VPD
POSTED SPEED = 30 – 45 MPH

IL ROUTE 58 (GOLF ROAD)
FAP 559 /FAP 339
(FORMER EAGLE 1N)
ADT (2023) = 26,000 – 27,200 VPD
POSTED SPEED = 40 MPH

ARLINGTON HEIGHTS ROAD)
FAU 2626
(FORMER EAGLE 1N)
ADT (2023) = 26,200 – 28,000 VPD
POSTED SPEED = 35 – 45 MPH

IL ROUTE 62 (ALGONQUIN ROAD)
FAU 3514
(FORMER ECON 4)
ADT (2023) = 13,100 – 26,000 VPD
POSTED SPEED = 45 MPH

IL ROUTE 72 (HIGGINS ROAD)
FAP 341
(FORMER EAGLE 1M)
ADT (2023) = 21,500 – 29,000 VPD
POSTED SPEED = 40 MPH

IL ROUTE 83
(KINGERY HWY /BUSSE RD)
FAP 344 /FAP 344B
(FORMER ECON 111)
ADT (2023) = 25,200 – 45,500 VPD
POSTED SPEED = 40 – 50 MPH

US ROUTE 14 (NORTHWEST HWY)
FAU 3512
(FORMER ECON 197 & EAGLE 7L)
ADT (2023) = 7,750 – 9050 VPD
POSTED SPEED = 30 – 40 MPH

IL ROUTE 58 (GOLF ROAD)
FAP 339
(FORMER ECON 204)
ADT (2023) = 29,700 – 31,700 VPD
POSTED SPEED = 40 MPH

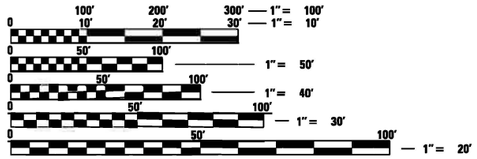
IL ROUTE 83 (ELMHURST ROAD)
FAP 344
(FORMER ECON 196)
ADT (2023) = 13,200 – 26,800 VPD
POSTED SPEED = 30 – 35 MPH

FAU 2691 WOLF ROAD
ADT (2023) = 10,200 – 11,000 VPD
POSTED SPEED = 35 – 40 MPH

FAU 1332A OAKTON STREET
ADT (2023) = 18,600 – 20,900 VPD
POSTED SPEED = 35 – 40 MPH

FAU 2678 ELMHURST ROAD
(FORMER ECON 76)
ADT (2023) = 26,800 – 30,300 VPD
POSTED SPEED = 40 – 45 MPH

US ROUTE 12/45 (MANNHEIM RD /LEE ST)
FAP 330
(FORMER EAGLE 8N)
ADT (2023) = 13,000 – 16,200 VPD
POSTED SPEED = 30 – 35 MPH



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1–800–892–0123
OR 811

PROJECT ENGINEER: KAMIL A. KOBYLKA, (847) 705–4734
PROJECT MANAGER: JONATHAN LLOYD, (847) 705–4135

CONTRACT NO. 62W82

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

CENTRAL TRAFFIC MANAGEMENT SYSTEM
PHASE 4
NORTHWEST COOK COUNTY AREA
ROUTE: VARIOUS
PROJECT: CMAQ–PCYS(691)

SECTION: 2024–956–TS

VARIOUS COUNTY

C–91–230–24

FOR LOCATION MAP
SEE SHEET NO. 4

VARIOUS TOWNSHIPS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS*	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	1
	ILLINOIS	CONTRACT NO. 62W82		

*303 + 4 = 307 TOTAL SHEETS

D–91–190–24



LOCATION OF SECTION INDICATED THUS: –

LICENSED PROFESSIONAL ENGINEER
BENJAMIN CHAVEZ
062–063542
STATE OF ILLINOIS

EXPIRATION DATE 11/30/2027
DATE:
Benjamin Chavez

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 19 20 26
Jose Rios IR
REGION ONE ENGINEER

May 8 20 26
ENGINEER OF DESIGN AND ENVIRONMENT

May 8 20 26
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV-SEP

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20 - 22	2705	IL ROUTE 58 (GOLF RD) AT IL ROUTE 62 (ALGONQUIN RD)
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000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS = 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS = 40 MPH
701601-09	URBAN SINGLE LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIG ATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING

RLR NOTES

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

RLR CAMERA LOCATIONS:

TS 3215 IL ROUTE 72 (HIGGINS RD) AT LANDMEIER RD

ELK GROVE VILLAGE
901 WELLINGTON AVENUE
ELK GROVE VILLAGE, IL 60007
847-357-4000

RED SPEED, LLC
400 EISENHOWER, LANE
LOMBARD, IL 60148
630-317-5700

TS 3285 ARLINGTON HEIGHTS RD AT IL ROUTE 72 (HIGGINS RD)

ELK GROVE VILLAGE
901 WELLINGTON AVENUE
ELK GROVE VILLAGE, IL 60007
847-357-4000

RED SPEED, LLC
400 EISENHOWER, LANE
LOMBARD, IL 60148
630-317-5700

TS 3410 IL ROUTE 83 (BUSSE RD) AT DEVON AVE

ELK GROVE VILLAGE
901 WELLINGTON AVENUE
ELK GROVE VILLAGE, IL 60007
847-357-4000

RED SPEED, LLC
400 EISENHOWER, LANE
LOMBARD, IL 60148
630-317-5700

TS 595 IL ROUTE 83 (BUSSE RD) AT GROVE AVE/SHERWOOD DR

VILLAGE OF BENSENVILLE
12 S CENTER STREET
BENSENVILLE, IL 60106
630-766-8200

RED SPEED, LLC
400 EISENHOWER, LANE
LOMBARD, IL 60148
630-317-5700

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA THE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV, 72 HOURS IN ADVANCE OF BEGINNING WORK.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

ALL EXISTING R.O.W. SHOWN IS APPROXIMATE AND MAY NEED TO BE VERIFIED IN THE FIELD. ALL PROPOSED WORK SHALL TAKE PLACE WITHIN EXISTING R.O.W. WITHIN EXISTING FACILITIES INCLUDING HANDHOLES, CONDUITS, OR TRAFFIC SIGNAL CABINETS.

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

THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR UNDERGROUND AND OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE AREA ENGINEER, THE RESIDENT ENGINEER, AND ANY IMPACTED UTILITY COMPANY OF THE CONFLICT, AND SHALL COORDINATE AND RESOLVE THE ISSUE PRIOR TO ORDERING MATERIALS.

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

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGED TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY EQUIPMENT OR LABORERS TO EXISTING CONDITIONS.

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

THE CONTRACTOR SHALL SOLELY BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURNG ALL CONSTRUCTON ACTVITES.

THE CONTRACTOR SHALL COORDINATE WITH IDOT, CCDOT, AND EQUIPMENT VENDORS FOR THE BEST LOCATION AND ORIENTATION OF EACH PROPOSED PTZ CAMERA PRIOR TO CAMERA INSTALLATION.

THE CONTRACTOR SHALL MARK THE RECORD DRAWINGS TO REFLECT ANY CHANGES TO THE PLANS. THE RECORD DRAWINGS REQUIREMENTS ARE IDENTIFIED IN SECTION 801.16 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

THE QUANTITY FOR THE ROD AND CLEAN EXISTING CONDUIT IS FOR USE WITH EXISTING CONDUITS WHICH HAVE ALL EXISTING CABLES REMOVED. THE QUANTITY PROVIDED IS A NOMINAL QUANTITY AND SHALL BE USED AS NEEDED OR AS DETERMINED BY THE ENGINEER BASED ON FIELD CONDITIONS.

THE QUANTITY FOR TEMPORARY INFORMATION SIGNING IS FOR USE WITH DISTRICT DETAIL ARTERIAL ROAD INFORMATION SIGN (TC 22). ONE SIGN IS TO BE USED FOR EACH END OF EACH INTERCONNECT CORRIDOR, MAIN ROUTE, OR ZONE.

THESE PLANS USE EXISTING RECORD DRAWINGS AS A BACKGROUND FOR THE PROPOSED PLAN. CONTRACTOR SHALL USE CARE IN CORRECTLY DISTINGUISHING PROPOSED WORK. CERTAIN RECORD DRAWINGS SHEETS HAVE BEEN INCLUDED FOR INFORMATION ONLY FOR BETTER UNDERSTANDING OF THE ENTIRE SYSTEM WHICH UTILIZES BOTH EXISTING AND PROPOSED FIBER INFRASTRUCTURE.

THE WORK IN THIS CONTRACT IS LIMITED TO THE INSTALLATION OF THE HANDHOLES, CONDUITS, TRACER CABLE, PTZ CAMERAS, SWITCHES, CONTROLLERS, AND FIBER OPTIC CABLE AS WELL AS ANY OTHER COMPONENTS AS SPECIFIED IN THE SCHEDULE OF QUANTITIES NOTED IN EACH INTERSECTION PLAN. THERE ARE NO PHASE CHANGES. PLANS USE EXISTING RECORD DRAWINGS WHICH SHOW PROPOSED EQUIPMENT FROM PREVIOUS CONTRACTS. WORK SHALL ONLY INCLUDE WHAT IS SPECIFIED IN THE SCHEDULE OF QUANTITIES. PHASING FOR THE NEW CONTROLLERS SHALL BE REPLICATED FROM EXISTING CONTROLLERS.

"ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED AT LOCATIONS WHERE ROADWAY HAZARDS WITHIN THE WORK ZONE WILL REMAIN OVERNIGHT.

PER THE FIBER SPLICING DIAGRAMS, NEW FIBER OPTIC CABLE IS PROPOSED FROM THE ADJACENT HANDHOLES TO THE CONTROLLER CABINETS AT LOCATIONS WHERE EXISTING FIBER OPTIC CABLE IS SPICED AT ADJACENT CABINET HANDHOLES. A NOMINAL QUANTITY FOR "FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE" OF 20 FT PER LOCATION WHERE EXISTING FIBER OPTIC CABLE IS SPICE HAS BEEN ADDED TO THE OVERALL SUMMARY OF QUANTITIES.

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R.O.W. MARKED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. ____ / BY / DATE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O.W. MARKED / CADD FILE NAME ____ / NOTE BOOK / NO. ____ / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = bchavez	DESIGNED - BC	REVISED -
230055.02_Index.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 2'	CHECKED - EAJ	REVISED -
PLOT DATE = 5/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	2
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONFLICTS AMONG OTHER PROJECTS CONTINUED

BELOW NOTES ARE INTENDED TO IDENTIFY PROJECTS WITHIN SAME (OR ADJACENT) LOCATION AS THIS CONTRACT. COORDIANTION WILL BE REQUIRED AMONG THE DESIGNERS, RESIDENT ENGINEERS, AND CONTRACTORS AND SHALL BE REFLECTED IN THE UNIT PRICES. WORK SHALL BE PLANNED ACCORDINGLY.

ADJACENT LOCATION NOS: 56, 57 AND 61:

CONTRACTOR SHOULD COORDINATE WORK WITH COOK COUNTY LET CONTRACT C-91-052-16. CONTRACT C-91-052-16 CONSISTS OF ROADWAY RECONSTRUCTION ON ELMHURST RD, FROM GREENLEAF AVE TO SOUTH OF LANDMEIER RD; AND ROADWAY RECONSTRUCTION ON IL ROUTE 72 (TOUHY AVE) FROM LANDMEIER RD TO OLD HIGGINS RD. NO CONFLICT IS ANTICIPATED. CONTRACTOR TO PLAN WORK ACCORDINGLY.

THE CONTRACTOR SHALL COORDINATE THE WORK SHOWN IN THIS CONTRACT WITH IDOT CONTRACTS 80B08 AND 80B09. REFER TO THE SPECIFICATIONS FOR THIS CONTRACT FOR FURTHER INFORMATION.

THERE MAY BE MORE PROJECTS THAT MAY OCCUR WITHIN THE LIMITS OF THIS CONTRACT, SUCH TRAFFIC SIGNAL TROMBONE ARM REMOVALS, INSTALLATION OF ACCESSIBLE PEDESTRIAN SIGNALS, ETC. THE CONTRACTOR SHALL COORDINATE AND INQUIRE WITH THE RESIDENT ENGINEER FOR PROJECT UPDATES.

NETWORK CONNECTION NOTES

THIS ENTIRE SYSTEM EXPANSION WILL BE CONNECTED TO IDOT D1 HQ FIBER NETWORK. THE MAIN CONNECTION LOCATION IS TO BE DETERMINED BY IDOT'S ITS CONSULTANT AND AS SHOWN IN THE FIBER SPLICE DIAGRAM AND CABINET DETAIL SHEETS. THIRTY (30) DAYS PRIOR TO THE INSTALLATION OF THE NETWORK SWITCHES, THE CONTRACTOR MUST DELIVER THE SWITCHES, FOR CONFIGURATION, TO THE TRAFFIC SYSTEMS CENTER (TSC) LOCATED AT 445 HARRISON ST, OAK PARK, IL. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR DELIVERING AND PICKING UP THE NETWORK SWITCHES FROM THE TSC. REFER TO THE NETWORK SWITCH SPECIFICATION FOR MORE DETAILS

PLAN
NOTE BOOK
NO. ____
SURVEYED
PLOTTED
ALIGNMENT CHECKED
BLM NOTES
CADD FILE NAME ____
BY
DATE

PROFILE
NOTE BOOK
NO. ____
SURVEYED
PLOTTED
GRADES CHECKED
BLM NOTES
STRUCTURE NOTATNS CHKD
BY
DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
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(847) 823-0500

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Rosemont, Illinois 60018
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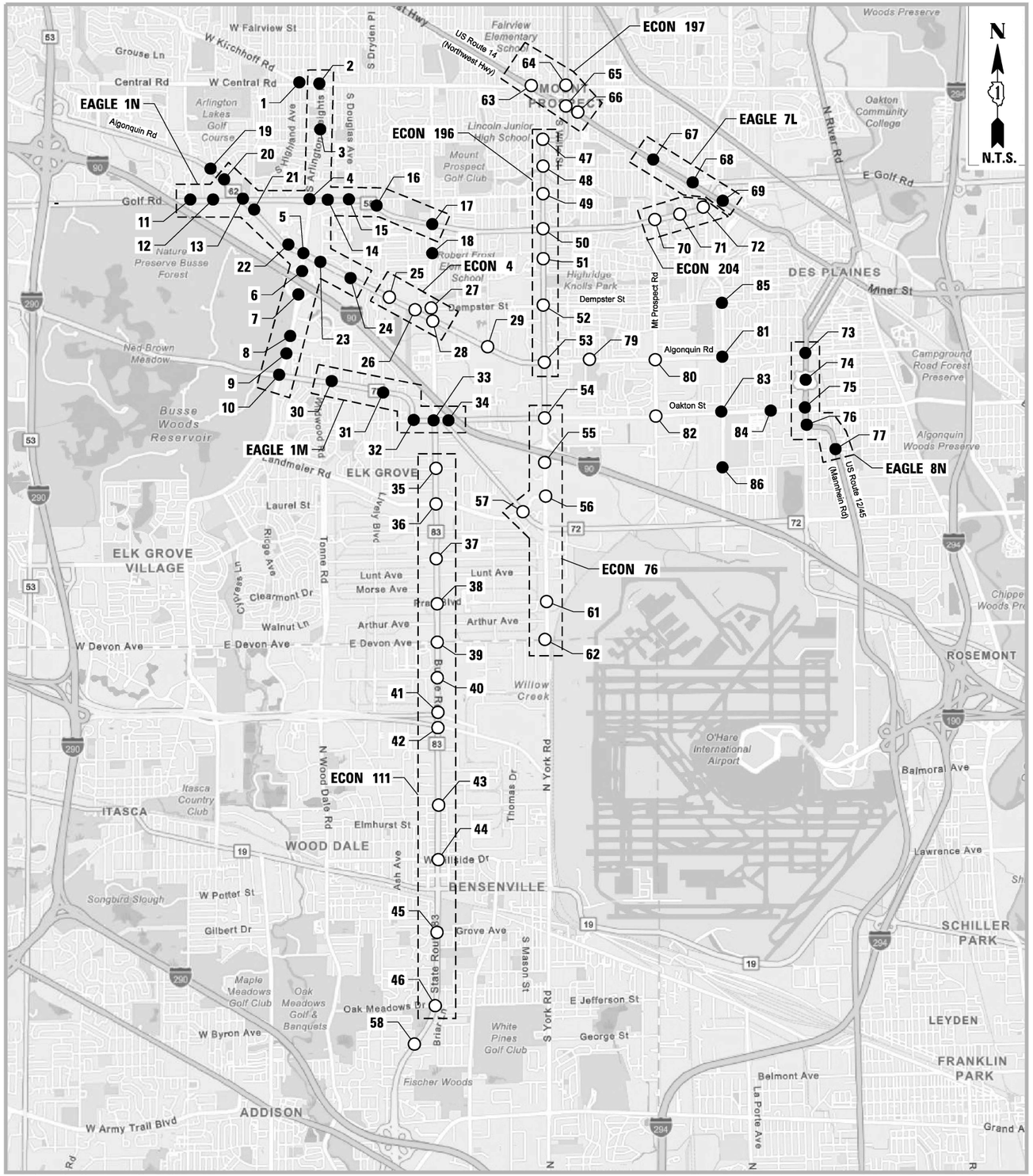
USER NAME = fbarlso	DESIGNED - BC	REVISED -
230055.03_Notes.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 2'	CHECKED - EAJ	REVISED -
PLOT DATE = 5/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & CONFLICTS WITH OTHER CONTRACTS

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	3
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

- ● - TACTICS
- ○ - CENTRACS

LOCATION NO.	TS NO.	INTERSECTION NAME
1	12615	CENTRAL RD AT KIRCHOFF RD
2	12540	ARLINGTON HEIGHTS RD AT CENTRAL RD
3	12535	ARLINGTON HEIGHTS RD AT WHITE OAK ST
4	2720	IL ROUTE 58 (GOLF RD) AT ARLINGTON HEIGHTS RD
5	2935	ARLINGTON HEIGHTS RD AT ALGONQUIN RD
6	2938	ARLINGTON HEIGHTS RD AT I-90 N RAMP A
7	2939	ARLINGTON HEIGHTS RD AT I-90 S RAMP G
8	11320	ARLINGTON HEIGHTS RD AT NW POINT BLVD
9	22235	ARLINGTON HEIGHTS RD AT BENNETT RD
10	3285	ARLINGTON HEIGHTS RD AT IL ROUTE 72 (HIGGINS RD)
11	2815	IL ROUTE 58 (GOLF RD) AT NEW WILKE RD
12	2817	IL ROUTE 58 (GOLF RD) AT MEADOWS TWR MALL/CONTINENTAL TWRS DR
13	2705	IL ROUTE 58 (GOLF RD) AT IL ROUTE 62 (ALGONQUIN RD)
14	2767	IL ROUTE 58 (GOLF RD) AT LOEHMANS PLAZA
15	2765	IL ROUTE 58 (GOLF RD) AT GOEBBERT RD
16	2875	IL ROUTE 58 (GOLF RD) AT MEIER RD
17	2740	IL ROUTE 58 (GOLF RD) AT BUSSE RD
18	9675	BUSSE RD AT WILLOW LN
19	2708	IL ROUTE 62 (ALGONQUIN RD) AT MARKETPLACE ENT
20	2707	IL ROUTE 62 (ALGONQUIN RD) AT LOWE'S ENT
21	2967	IL ROUTE 62 (ALGONQUIN RD) AT MEIJER DR
22	2936	IL ROUTE 62 (ALGONQUIN RD) AT MARRIOTT ENT (95 W ALGONQUIN DR)
23	2966	IL ROUTE 62 (ALGONQUIN RD) AT TONNE DR
24	2965	IL ROUTE 62 (ALGONQUIN RD) AT GOEBBERT RD
25	21355	IL ROUTE 62 (ALGONQUIN RD) AT BRIARWOOD SR
26	2950	IL ROUTE 62 (ALGONQUIN RD)AT DEMPSTER ST
27	4250	DEMPSTER ST AT BUSSE RD
28	2945	IL ROUTE 62 (ALGONQUIN RD) AT BUSSE RD
29	2975	IL ROUTE 62 (ALGONQUIN RD) AT LINNEMAN RD
30	3335	IL ROUTE 72 (HIGGINS RD) AT KING ST
31	13140	IL ROUTE 72 (HIGGINS RD) AT LIVELY BLVD
32	3240	IL ROUTE 72 (HIGGINS RD) AT OAKTON ST (WEST)
33	11310	IL ROUTE 83 (BUSSE RD) AT IL ROUTE 72 (HIGGINS RD-OAKTON ST)
34	3275	IL ROUTE 72 (HIGGINS RD) AT OAKTON ST (EAST)
35	12125	IL ROUTE 83 (BUSSE RD) AT HOWARD ST
36	3460	IL ROUTE 83 (BUSSE RD) AT LANDMEIER RD
37	3425	IL ROUTE 83 (BUSSE RD) AT GREENLEAF AVE
38	3490	IL ROUTE 83 (BUSSE RD) AT PRATT BLVD
39	3410	IL ROUTE 83 (BUSSE RD) AT DEVON AVE
40	610	IL ROUTE 83 (BUSSE RD) AT MARK ST
41	661	IL ROUTE 83 (BUSSE RD) AT IL 390 W/B FRONTAGE RD
42	662	IL ROUTE 83 (BUSSE RD) AT IL 390 E/B FRONTAGE RD
43	590	IL ROUTE 83 (BUSSE RD) AT FOSTER AVE
44	600	IL ROUTE 83 (BUSSE RD)AT HILLSIDE DR
45	595	IL ROUTE 83 (BUSSE RD) AT GROVE AVE/SHERWOOD DR
46	545	IL ROUTE 83 (BUSSE RD) AT THIRD AVE/ OAK MEADOWS DR
47	9670	IL ROUTE 83 (ELMHURST RD) AT LINCOLN ST
48	9665	IL ROUTE 83 (ELMHURST RD) AT COUNCIL TRAIL
49	9625	IL ROUTE 83 (ELMHURST RD) AT LONNQUIST BLVD
50	2715	IL ROUTE 83 (ELMHURST RD) AT IL ROUTE 58 (GOLF RD)
51	3535	IL ROUTE 83 (ELMHURST RD) AT HUNTINGTON COMMONS RD
52	3405	IL ROUTE 83 (ELMHURST RD) AT DEMPSTER ST
53	2925	IL ROUTE 83 (ELMHURST RD) AT ALGONQUIN RD
54	3350	IL ROUTE 83 (ELMHURST RD) AT OAKTON ST
55	3319	ELMHURST RD AT I-90 (DDI)
56	3318	ELMHURST RD AT LANDMEIER RD
57	3215	IL ROUTE 72 (HIGGINS) AT LANDMEIER RD
58	N/A	IL ROUTE 83 (KINGERY HWY) AT SB DYNAMIC MESSAGE SIGN (NORTH OF I-290)
59	SPARE	SPARE
60	SPARE	SPARE
61	21150	ELMHURST RD AT PRATT BLVD
62	5080	ELMHURST RD AT DEVON AVE
63	9690	US ROUTE 14 (NORTHWEST HWY) AT CENTRAL RD / PROSPECT AVE
64	9660	IL ROUTE 83 (MAIN ST) AT CENTRAL RD
65	9630	US ROUTE 14 (NORTHWEST HWY) AT IL ROUTE 83 (MAIN ST) / PROSPECT AVE
66	9640	US ROUTE 14 (NORTHWEST HWY) AT EMERSON ST
67	1255	US ROUTE 14 (NORTHWEST HWY) AT MT PROSPECT RD / PROSPECT AVE
68	13080	US ROUTE 14 (NORTHWEST HWY) AT STATE ST
69	13083	US ROUTE 14 (NORTHWEST HWY) AT BROADWAY ST
70	13020	IL ROUTE 58 (GOLF RD) AT MT PROSPECT RD
71	13022	IL ROUTE 58 (GOLF RD) AT MARIANO'S ENT
72	2865	IL ROUTE 58 (GOLF RD) AT WOLF RD
73	13000	US ROUTE 12-45 (LEE ST) AT ALGONQUIN RD
74	13003	US ROUTE 12-45 (LEE ST) AT FOREST AVE
75	1130	US ROUTE 12-45 (LEE ST) AT OAKTON ST
76	11245	US ROUTE 12-45 (LEE ST) AT LEE ST
77	13065	US ROUTE 12-45 (MANNHEIM RD) AT PROSPECT AVE
78	SPARE	SPARE
79	13005	ALGONQUIN RD AT SEYMOUR AVE
80	4120	ALGONQUIN RD AT MT PROSPECT RD
81	4130	WOLF RD AT ALGONQUIN RD
82	5545	OAKTON ST AT MT PROSPECT RD
83	5550	OAKTON ST AT WOLF RD
84	12995	OAKTON ST AT WEBSTER LN
85	13470	WOLF RD AT THACKER ST
86	5955	WOLF RD AT HOWARD AVE

PLAN — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / NOTE BOOK / NO. / STRUCTURE NO(S)/TYPE/NS CH'KD / BY / DATE

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Rosemont, Illinois 60018
(847) 823-0500

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	230055_04_LOC_Map.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 2'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	4
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 80% FED 20% STATE VARIOUS COUNTIES INTERCONNECT 0021 URBAN	CONSTRUCTION TYPE CODE 80% FED 20% STATE VARIOUS COUNTIES INTERCONNECT 0021 URBAN
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	75	70	5
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	1	1
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	0.5	0.5
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0.5	0.5
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	6	6	
	67100100	MOBILIZATION	L SUM	1	0.5	0.5
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	0.5	0.5
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.5	0.5
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.5	0.5
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.5	0.5
	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	83	83	
	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	2,046	1,966	80
	81400100	HANDHOLE	EACH	26	25	1
	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	82	75	7

* - SPECIALTY ITEM

PLAN
NOTE BOOK NO. ____
SURVEYED ____
PLOTTED ____
ALIGNMENT CHECKED ____
RT. OF WAY CHECKED ____
CADD FILE NAME ____
BY ____ DATE ____

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PROFILE
NOTE BOOK NO. ____
SURVEYED ____
PLOTTED ____
GRADES CHECKED ____
B.M. NOTED ____
STRUCTURE NOTATNS CH'KD ____
BY ____ DATE ____

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PLOT DATE = 3/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(SHEET 1 OF 4)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	5
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REV-SEP

				CONSTRUCTION TYPE CODE	
				80% FED 20% STATE VARIOUS COUNTIES	80% FED 20% STATE VARIOUS COUNTIES
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	INTERCONNECT 0021 URBAN	INTERCONNECT 0021 URBAN
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	145,224	123,742	21,482
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	47,723	40,985	6,738
87900200	DRILL EXISTING HANDHOLE	EACH	34	33	1
88500100	INDUCTIVE LOOP DETECTOR	EACH	418	365	53
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	9	9	
89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	29	23	6
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	171,540	132,618	38,922
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	77	70	7
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	62,349	48,441	13,908
X0328020	CENTRACS LICENSE EXPANSION	EACH	41	34	7
X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	10,304	9,081	1,223
X1400501	COMMUNICATIONS VAULT, 48"X 48"	EACH	1	1	
X1400514	TACTICS LICENSE EXPANSION	EACH	41	41	
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	24	24	

* - SPECIALTY ITEM

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230055_06_SD02.dgn	DRAWN - FPB	REVISED -	
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PLOT DATE = 3/24/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(SHEET 2 OF 4)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	6
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REV-SEP

				CONSTRUCTION TYPE CODE	
				80% FED 20% STATE VARIOUS COUNTIES	80% FED 20% STATE VARIOUS COUNTIES
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	INTERCONNECT 0021 URBAN	INTERCONNECT 0021 URBAN
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	440	396	44
X8101099	UNDERGROUND CONDUIT, MULTI-DUCT, 3 WAY - 22MM (2), 1.25 SDR 11 (1) MICRODUCTS	FOOT	49,236	47,136	2,100
X8510201	PAINT NEW TRAFFIC SIGNAL POST (SPECIAL)	EACH	4	4	
X8570215	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	32	32	
X8570305	ADVANCED TRANSPORTATION CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	8	1	7
X8570324	ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	20	20	
X8571216	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	3	3	
X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	8	1	7
X8620250	UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	23	23	
X8620310	REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	25	25	
X8710029	FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	60,125	60,145	20
X8710030	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	18,659	18,659	
X8710035	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	80,412	58,230	22,182
X8710049	POWER OVER ETHERNET EXTENDER	EACH	19	18	1

* - SPECIALTY ITEM

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230855_07_S003.dgn	DRAWN - FPB	REVISED -	
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PLOT DATE = 3/20/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(SHEET 1 OF 4)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	7
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REV-SEP

				CONSTRUCTION TYPE CODE	
				80% FED 20% STATE VARIOUS COUNTIES	80% FED 20% STATE VARIOUS COUNTIES
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	INTERCONNECT 0021 URBAN	INTERCONNECT 0021 URBAN
X8710070	FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	71	65	6
X8710094	FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	12	11	1
X8710106	NETWORK SWITCH ACCESS	EACH	71	65	6
X8710107	NETWORK SWITCH DISTRIBUTION	EACH	11	10	1
X8710317	SPLICE FIBER IN CABINET	EACH	296	272	24
X8891104	REMOTE CONTROLLED VIDEO SYSTEM	EACH	11	11	
X8891106	ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	31	24	7
Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	34	29	5
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	11	11	
Ø Z0076600	TRAINEES	HOUR	1500	1500	
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1500	1500	

* - SPECIALTY ITEM
Ø 0042

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PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE, NOTATNS CH'KD, NOTE BOOK, NO., BY, DATE

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230055_08_S004.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 2'	CHECKED - EAJ	REVISED -	
PLOT DATE = 3/24/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(SHEET 4 OF 4)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	8
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REV-SEP

TRAFFIC SIGNAL LEGEND

ITEM	EXISTING	PROPOSED
Traffic Signal Cabinet		
Uninterruptable Power Supply		
Communication Cabinet	ECC	CC
Master Controller	EMC	MC
Master Master Controller	EMMC	MMC
Service Installation -(P) Pole Mounted	P	P
Service Installation -(G) Ground Mounted -(GM) Ground Mounted Metered	G GM	G GM
Cellular Modem	CM	CM
Telephone Connection	ET	T
Steel Mast Arm Assembly and Pole		
Aluminum Mast Arm Assembly and Pole		
Steel Combination Mast Arm Assembly and Pole with Luminaire		
Signal Post -(BM) Barrel Mounted - Temporary		BM
Wood Pole		
Guy Wire		
Signal Head		
Signal Head with Backplate		
Signal Head - Programmable	P P	P P
Flasher Installation -(FS) Solar Powered	F FS F FS	F FS F FS
Pedestrian Signal Head		
Pedestrian Push Button -(APS) Accessible Pedestrian Push Button	APS	APS
Radar Detection Sensor	R	R
Video Detection Camera	V	V
Radar/Video Detection Zone		
Pan, Tilt, Zoom (PTZ) Camera	PTZ	PTZ
Emergency Vehicle Light Detector		
Confirmation Beacon		
Wireless Interconnect		
Wireless Interconnect Radio Repeater	ERR	RR
Wireless Access Point		

ITEM	EXISTING	PROPOSED
Handhole -Square -Round		
Double Handhole		
Heavy Duty Handhole -Square -Round	H	H
Junction Box	J	J
Railroad Cantilever Mast Arm		
Railroad Flashing Signal		
Railroad Crossing Gate		
Railroad Crossbuck		
Railroad Controller Bungalow	RXR	RXR
Underground Conduit (UC), Galvanized Steel		
Temporary Span Wire, Tether Wire, and Cable		
System Item	S	SP
Intersection Item	I	IP
Removal Item		R
Relocate Item		RL
Abandon Item		A
Controller Cabinet and Foundation to be Removed		RCF
Mast Arm Pole and Foundation to be Removed		RMF
Signal Post and Foundation to be Removed		RPF
Detector Loop, Type I		
Preformed Detector Loop	P	P
Wireless Detector Sensor	W	W

ITEM	EXISTING	PROPOSED
Signal Head -(P) Programmable Signal Head -(EV) Elongated Visors	R Y G P EV	R Y G P EV
Signal Head with Backplate -(RB) Retroreflective Backplate -(P) Programmable Signal Head -(EV) Elongated Visors	R Y G RB P EV	R Y G RB P EV
Pedestrian Signal Head with Countdown Timer	C D	C D
Illuminated LED Sign "NO LEFT TURN"/"NO RIGHT TURN"		
Electric Cable, Signal, No. 14 - 2/C, 3/C, 5/C, 7/C	5	5
Electric Cable, Lead-In, No. 14, 1 Pair	1P	1P
Service Cable, 2/C - No. 2, No. 4, No. 6	2#2 2#4 2#6	2#2 2#4 2#6
Ground Cable No. 6 Solid Copper (Green), 1/C	1#6	1#6
Electric Cable, Tracer, No. 14, 1/C	1	1
Electric Cable, Railroad, No. 14, 3/C	Railroad No. 14 3/C 3	Railroad No. 14 3/C 3
Electric Cable, Street Name Sign No. 14, 3/C, Type SOOW	SOOW 3	SOOW 3
Vendor Cable	V	V
Emergency Vehicle Priority Line Sensor Cable, No. 20, 3/C	3#20	3#20
Outdoor Rated Network Cable	ONC	ONC
Fiber Optic Cable -12F: 12 Multimode -24F: 12 Multimode / 12 Single Mode -36F: 12 Multimode / 24 Single Mode -24SM: 24 Single Mode -48SM: 48 Single Mode	12F 24F 36F 24SM 48SM	24F 36F 24SM 48SM
Ground Rod -(C) Controller -(M) Mast Arm -(P) Post -(S) Service	C M P S	C M P S

TS SHT NO. 1

USER NAME = lovan.plascencia	DESIGNED - IP	REVISED -	
	DRAWN - IP	REVISED -	
	CHECKED - NB/KK	REVISED -	
PLOT DATE =	DATE - 10/15/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

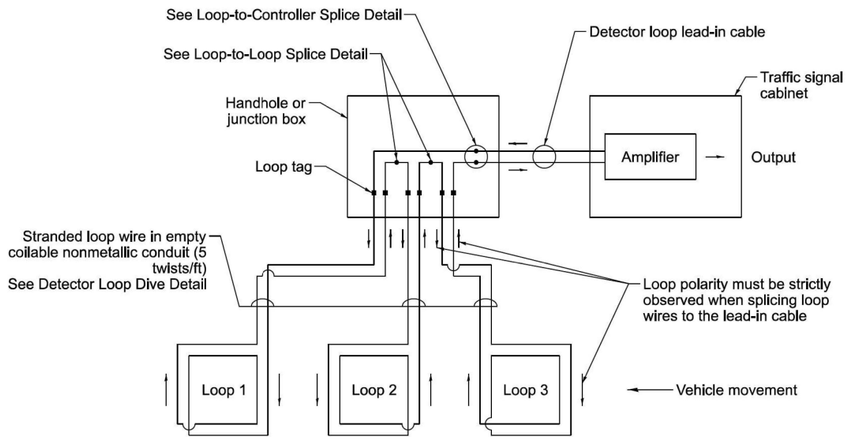
DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS | SHEET 1 OF 7 SHEETS | STA. | TO STA.

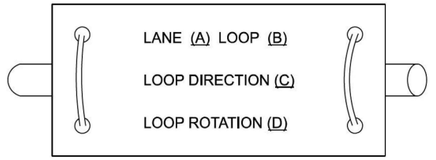
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	9
	TS-01	CONTRACT NO. 62W82		
	ILLINOIS FED. AID PROJECT			

DETECTOR LOOP NOTES:

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" APART.
9. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS.
10. PREFORMED DETECTOR LOOPS SHALL BE USED WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



DETECTOR LOOP WIRING SCHEMATIC



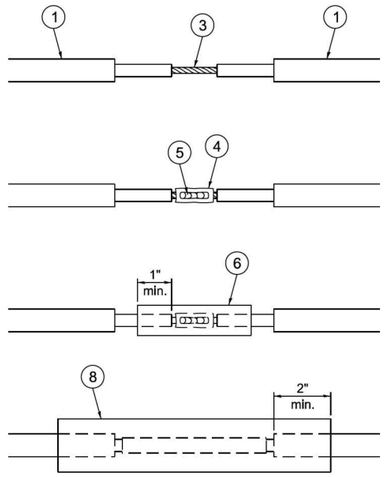
A. Lane 1 is the lane closest to the centerline of the roadway.

B. Loop #1 is the loop closest to the intersection.

C. Label loop cable "in" or loop cable "out".

D. Label loop cable clockwise or loop cable counterclockwise.

DETECTOR LOOP LEAD–IN CABLE TAG



LOOP–TO–LOOP Ssplice DETAIL

(1) Detector loop cable.

(2) Detector loop lead-in cable

(3) Bare conductors twisted together.

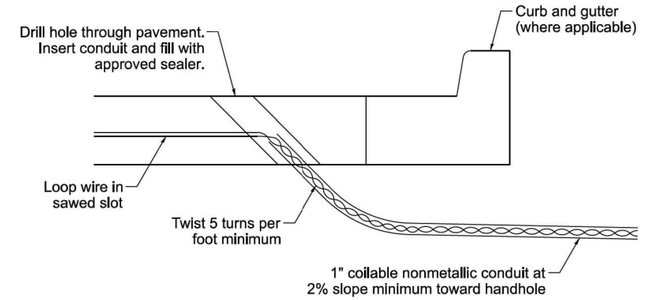
(4) Butt splice crimp connector.

(5) Splice soldered with rosin core flux. All exposed surfaces of the solder shall be smooth. The splices shall be staggered.

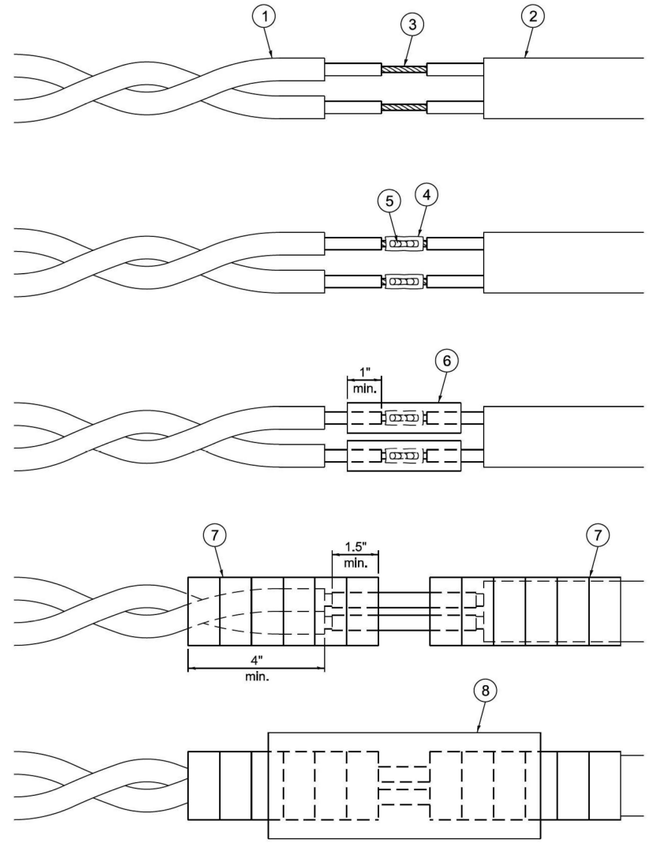
(6) WCSMW 30/100 heat shrink tube, 3" minimum length, underwater grade.

(7) Self-infused, silicone electrical tape tightly wrapped around cables.

(8) WCS 200/750 heat shrink tube, 8" minimum length, underwater grade.



DETECTOR LOOP DIVE DETAIL



LOOP–TO–CONTROLLER SPLICE DETAIL

TS SHT NO. 2

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

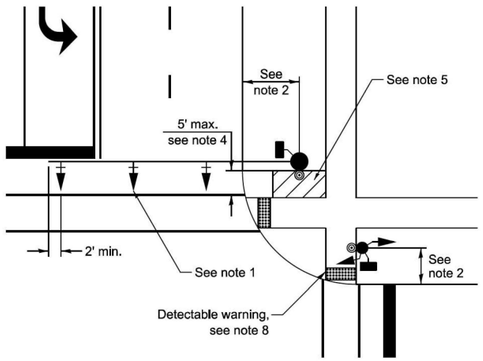
SCALE: NTS | SHEET 2 OF 7 SHEETS | STA. | TO STA.

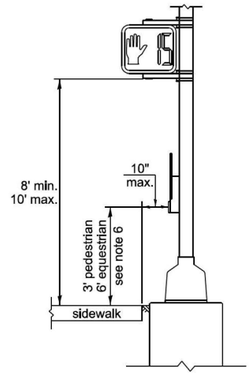
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	10
	TS-01	CONTRACT NO. 62W82		
		ILLINOIS	FED. AID PROJECT	

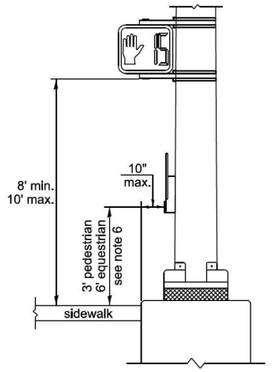
NOTES:

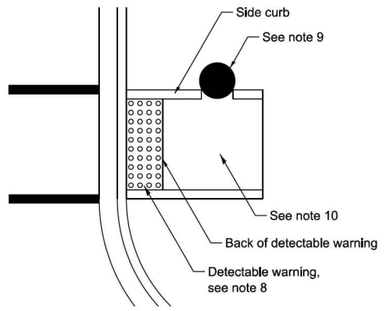
1. THE MAST ARM MOUNTED SIGNAL HEADS SHALL BE CENTERED ON THE LANES OR AS SHOWN ON THE TRAFFIC SIGNAL PLANS.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS TABLE.
3. A 4' MINIMUM UNOBSTRUCTED PEDESTRIAN ACCESS ROUTE SHALL BE MAINTAINED.
4. THE PUSH-BUTTON SHALL BE LOCATED 5' OR LESS FROM THE OUTSIDE EDGE OF THE MARKED CROSSWALK FARTHEST FROM THE INTERSECTION FOR THE CROSSWALK THAT THE PUSH-BUTTON CONTROLS.
5. IF THE MAST ARM POLE OR SIGNAL POST WHERE THE PUSH-BUTTON IS TO BE INSTALLED IS NOT IMMEDIATELY ADJACENT TO THE SIDEWALK, PROVIDE A FIRM, STABLE, AND SLIP RESISTANT SURFACE UP TO THE MAST ARM POLE OR SIGNAL POST. THE MINIMUM PAVED AREA IN FRONT OF THE PUSH-BUTTON SHALL BE 2.5' X 4'. IF THIS DOES NOT MEET THE REQUIREMENT STATED IN NOTE 3, A SEPARATE PEDESTRIAN SIGNAL POST SHALL BE INSTALLED TO PLACE THE PUSH-BUTTON ADJACENT TO THE SIDEWALK SURFACE.
6. THE HEIGHT OF THE PEDESTRIAN PUSH-BUTTON SHALL BE 36". IF APPROVED BY THE AREA TRAFFIC SIGNAL ENGINEER, THE PUSH-BUTTON MAY BE LOCATED AT A HEIGHT BETWEEN 30" AND 42". THE HEIGHT OF THE EQUESTRIAN PUSH-BUTTON SHAL BE 72" OR AS DIRECTED BY THE ENGINEER.
7. THE FACE OF THE PUSH-BUTTON SHALL BE PARALLEL TO THE CROSSWALK IT CONTROLS.
8. THE PUSH-BUTTON SHALL BE LOCATED BEHIND THE DETECTABLE WARNING.
9. WHERE A PUSH-BUTTON IS BEING INSTALLED ON A MAST ARM POLE OR SIGNAL POST ADJACENT TO THE PEDESTRIAN ACCESS ROUTE, THE PROPOSED FOUNDATION SHALL BE INSTALLED WITHIN THE SIDE CURB IN ORDER TO MEET THE 10" REACH REQUIREMENT.
10. THE SIDEWALK PANEL IN FRONT OF THE PUSH-BUTTON SHALL HAVE A SLOPE LESS THAN 5%.
11. WHERE TWO PEDESTRIAN PUSH-BUTTONS ARE PROVIDED ON THE SAME CORNER, THEY SHALL BE 10' OR MORE APART. EXCEPTION: IN ALTERATIONS WHERE TECHNICALLY INFEASIBLE TO PROVIDE 10' SEPARATION BETWEEN PUSH-BUTTONS ON THE SAME CORNER.
12. CORRESPONDING PEDESTRIAN EQUIPMENT (SIGNAL HEAD AND PUSH-BUTTON) SHALL BE INSTALLED ON THE SAME POST CLOSEST TO THE CROSSWALK IT CONTROLS.
13. PEDESTRIAN SIGNAL HEADS INSTALLED ON MAST ARM POLES OR SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' OR MORE THAN 10' ABOVE SIDEWALK LEVEL. PEDESTRIAN SIGNAL HEADS INSTALLED ON PEDESTRIAN SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' ABOVE SIDEWALK LEVEL. THE PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
14. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

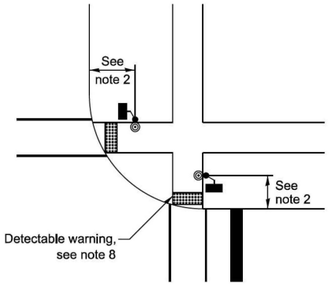


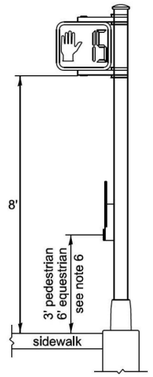


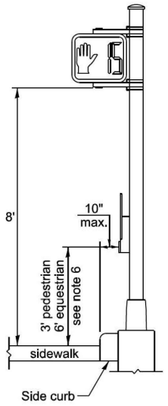




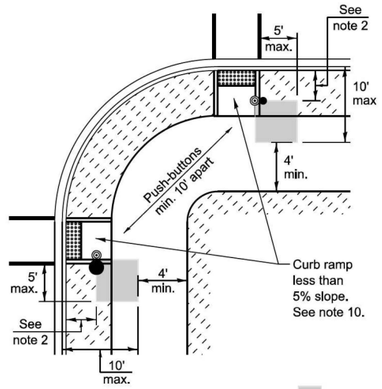
PEDESTRIAN SIGNAL POST

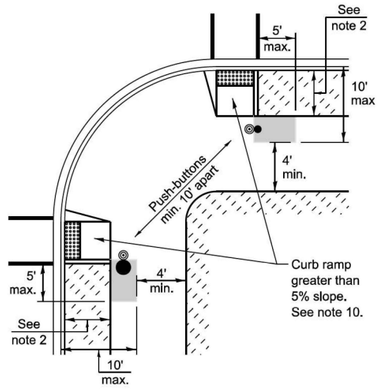






PUSH–BUTTON LOCATIONS





Preferred push-button location

TRAFFIC SIGNAL EQUIPMENT	BARRIER CURB (MINIMUM DISTANCE FROM THE BACK OF CURB TO THE CENTER OF THE FOUNDATION)	SHOULDER / NON-BARRIER CURB (MINIMUM DISTANCE FROM THE EDGE LINE OF THE RIGHT-MOST LANE TO THE CENTER OF THE FOUNDATION)
Mast arm assembly and pole	6'	Shoulder width + 2', minimum 10'
Signal post	4'	Shoulder width + 2', minimum 10'
Pedestrian signal post	4'	4' - See note 2
Temporary wood pole	6'	Shoulder width + 2', minimum 10'
Traffic signal cabinet	6' - See Note 3	Shoulder width + 6', minimum 16' - See note 3
Service cabinet	6' - See Note 3	Shoulder width + 6', minimum 16' - See note 3

TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS

NOTES:

1. CONTACT THE AREA TRAFFIC SIGNAL ENGINEER FOR ASSISTANCE LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS AND THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF THE DETECTABLE WARNING.
3. MINIMUM DISTANCE TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" TABLE AND THE TRAFFIC SIGNAL PLAN COULD AFFECT THE PLACEMENT OF THE TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND THE PEDESTRIAN PUSH-BUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THESE REQUIREMENTS. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

TS SHT NO. 3

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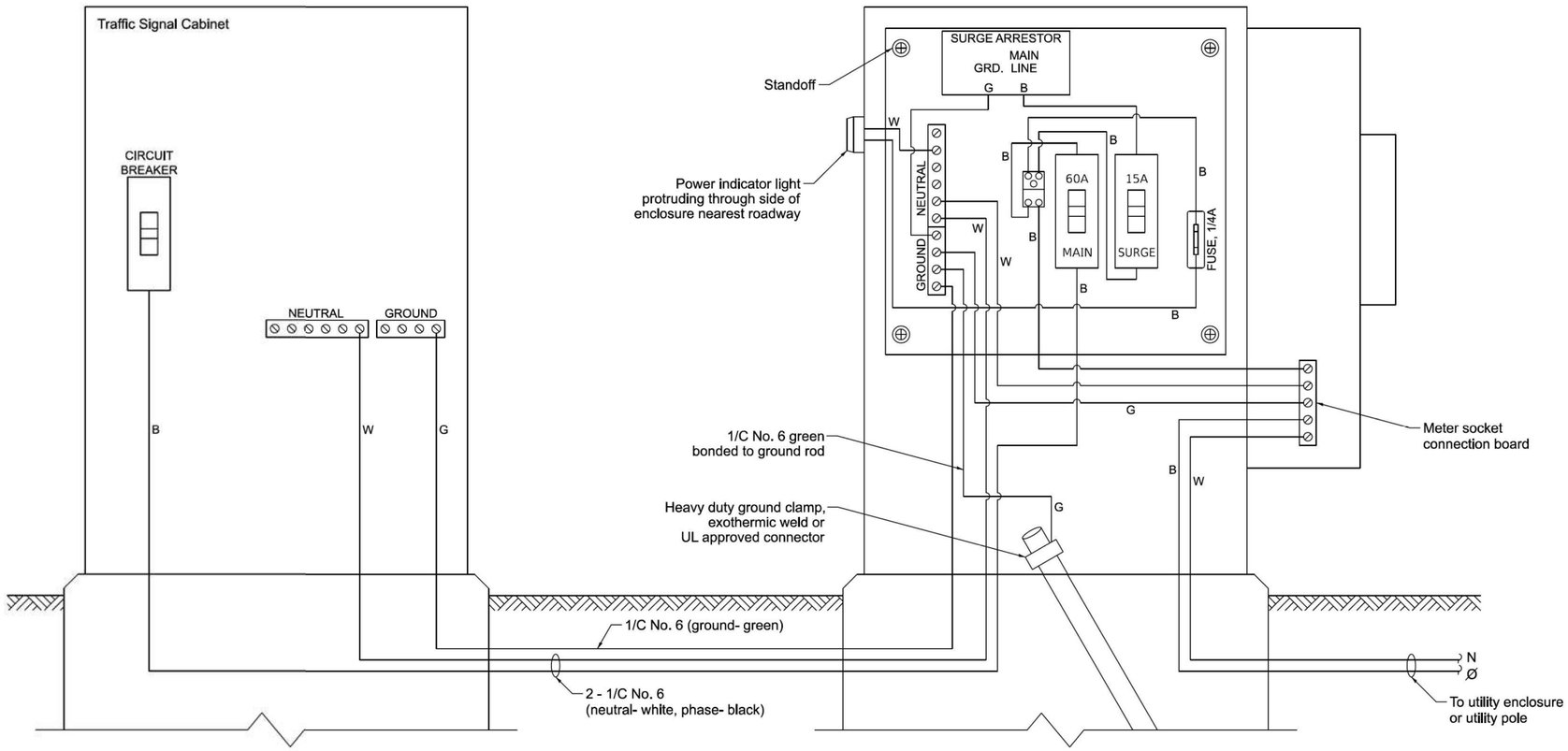
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS | SHEET 3 OF 7 SHEETS | STA. | TO STA.

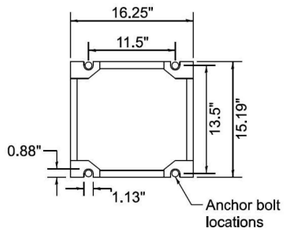
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	11
	TS–01	CONTRACT NO. 62W82		
		ILLINOIS	FED. AID PROJECT	



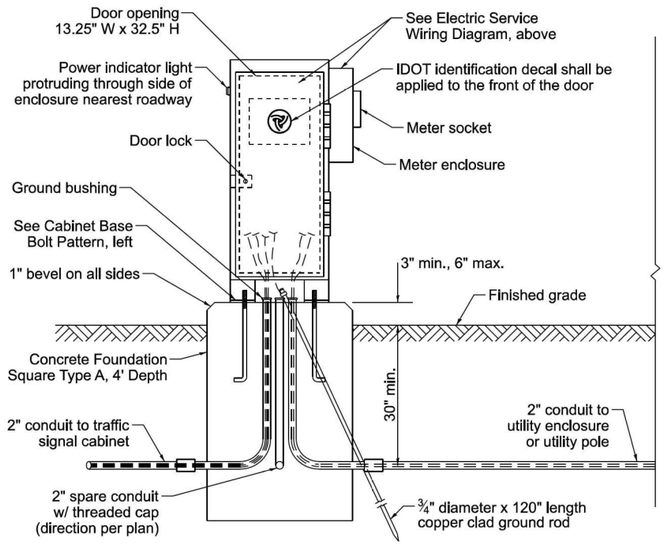
ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET

NOTES:

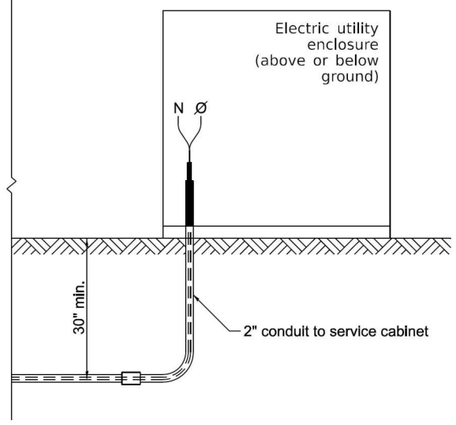
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
4. THE METER SOCKET IS TO BE PROVIDED BY THE CONTRACTOR. THE METER IS TO BE PROVIDED BY THE UTILITY COMPANY.



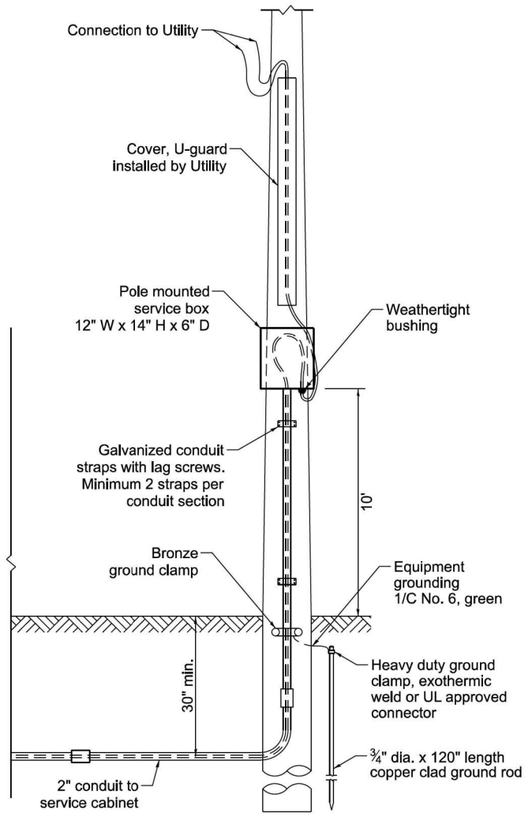
CABINET BASE BOLT PATTERN



SERVICE INSTALLATION – GROUND MOUNTED WITH METER



CONNECTION TO UTILITY ENCLOSURE



CONNECTION TO UTILITY POLE

TS SHT NO. 4

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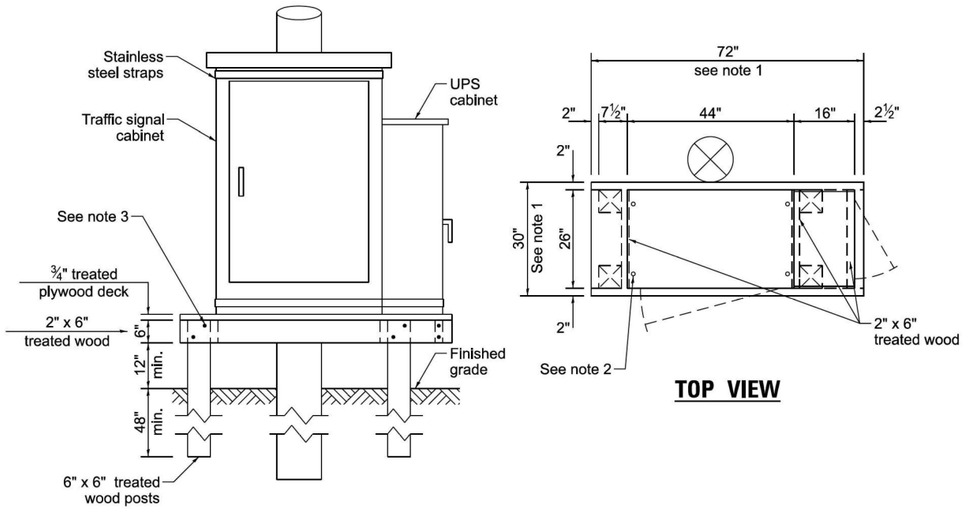
PLOT DATE =	DATE - 10/15/2025	REVISED -	

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS | SHEET 4 OF 7 SHEETS | STA. | TO STA.

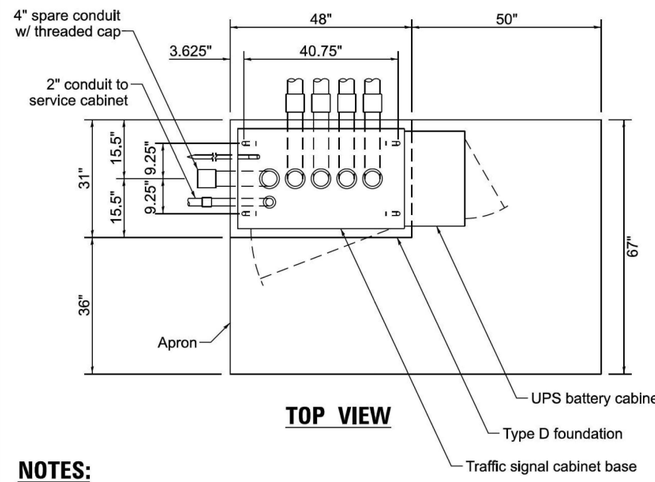
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	12
	TS-01	CONTRACT NO. 62W82		
	ILLINOIS FED. AID PROJECT			



NOTES:

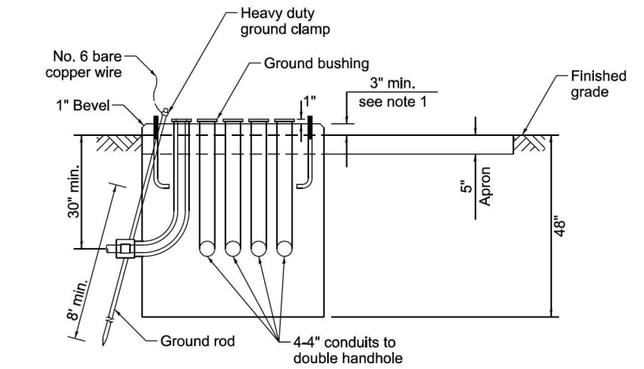
1. THE PLATFORM SIZE IS BASED ON A TRAFFIC SIGNAL CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" AND UNINTERRUPTABLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25". ADJUST THE PLATFORM SIZE TO FIT THE BASE DIMENSIONS OF THE CABINET SUPPLIED.
2. DRILLED HOLES THROUGH THE PLATFORM ARE TO MATCH THE TRAFFIC SIGNAL CABINET BOLT TEMPLATE. THE CABINET SHALL BE FASTENED TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS, AND NUTS.
3. ALL WOOD SUPPORT FRAMING SHALL BE FASTENED TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

TEMPORARY TRAFFIC SIGNAL CABINET WOOD SUPPORT PLATFORM

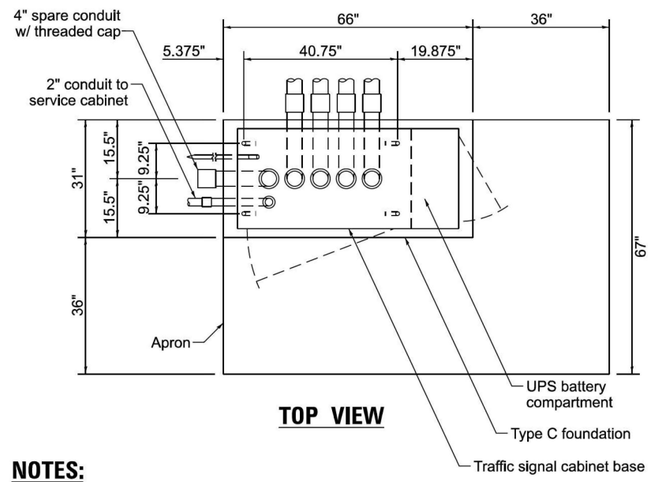


NOTES:

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.

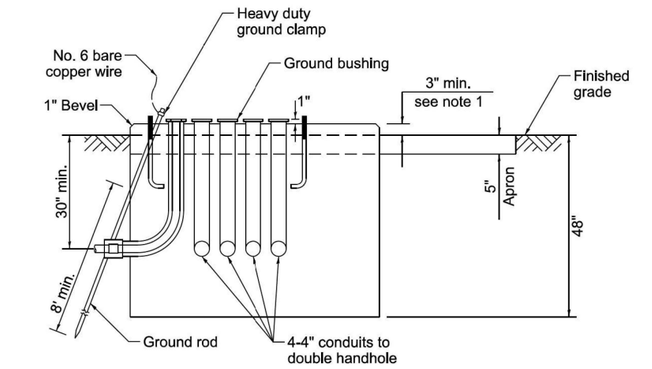


TYPE D FOUNDATION TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET AND UPS BATTERY CABINET



NOTES:

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.



TYPE C FOUNDATION SUPER P AND SUPER R TRAFFIC SIGNAL CABINETS

MAST ARM LENGTH	Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30'	10'	30"	24"	8	#6
Greater than or equal to 30' and less than 40'	13.5'	30"	24"	8	#6
	11'	36"	30"	12	#7
Greater than or equal to 40' and less than 50'	13'	36"	30"	12	#7
Greater than or equal to 50' and up to 55'	15'	36"	30"	12	#7
Greater than or equal to 56' and less than 65'	21'	42"	36"	16	#8
Greater than or equal to 65' and up to 75'	25'	42"	36"	16	#8

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

FOUNDATION	DEPTH
Type A - Signal post, service cabinet	4'
Type C - Traffic signal cabinet with UPS	4'
Type D - Traffic signal cabinet	4'

DEPTH OF FOUNDATIONS TYPES A, C & D

VERTICAL CABLE	LENGTH
Mast arm mounted signal head (L = mast arm length - distance to signal head from end of arm)	20'+L
Bracket mounted signal head (mast arm pole or signal pole)	13'
Pedestrian signal head	10'
Pedestrian push button	6'
Service installation pole mount to service drop	13.5'
Service installation pole mount to ground	13.5'
Service installation ground mount	6'
Foundation (signal post, mast arm, traffic signal cabinet, service cabinet)	3'

VERTICAL CABLE LENGTH

CABLE SLACK	LENGTH
Handhole	6.5'
Double handhole	13'
Signal post	2'
Mast arm	2'
Traffic signal cabinet or service cabinet	1.5'
Fiber optic cable at traffic signal cabinet	13'
Ground cable at signal post, mast arm, or cabinet	1.5'
Ground cable at handhole or double handhole	6.5'
Ground cable between handhole frame and cover	5'

CABLE SLACK LENGTH

TYPE E FOUNDATION NOTES:

1. FOR STANDARD AND COMBINATION MAST ARM ASSEMBLIES. FOUNDATION DEPTHS FOR STANDARD DUAL MAST ARMS WITH THE LONGEST ARM LENGTH UP TO AND INCLUDING 55' SHALL BE INCREASE BY 1' OF THAT SHOWN IN THE TABLE, BASED ON THE LONGER OF THE TWO ARMS.
2. SEE STATE STANDARD 878001 CONCRETE FOUNDATION DETAILS FOR MORE INFORMATION.

TS SHT NO. 5

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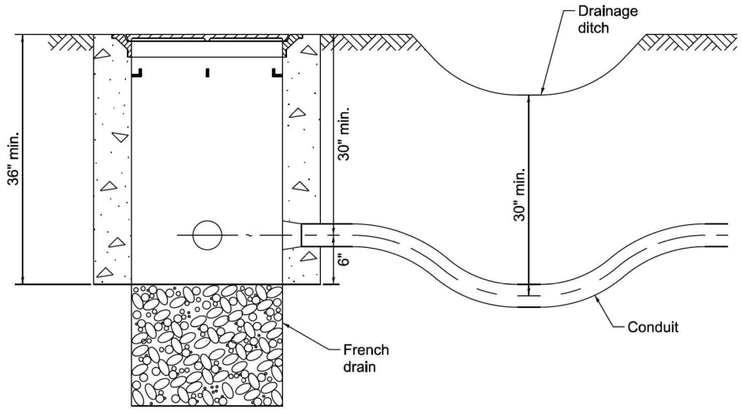
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS | SHEET 5 OF 7 SHEETS | STA. | TO STA.

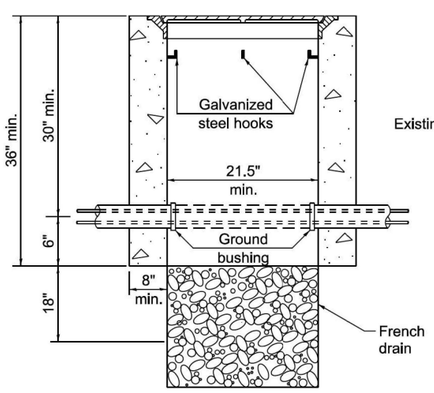
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	13
	TS-01	CONTRACT NO. 62W82		
	ILLINOIS FED. AID PROJECT			

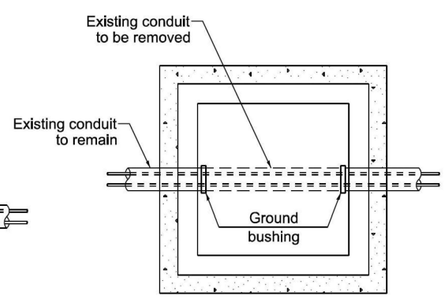


NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH



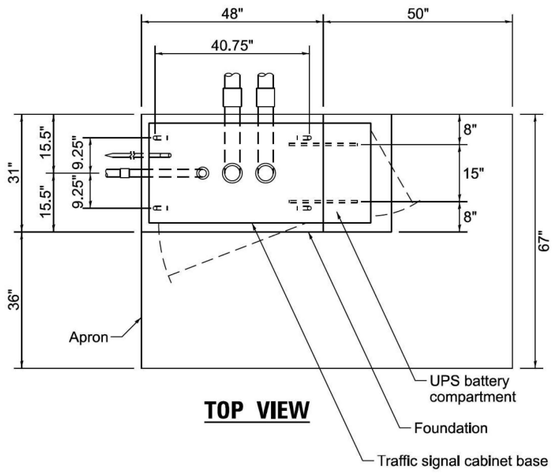


TOP VIEW

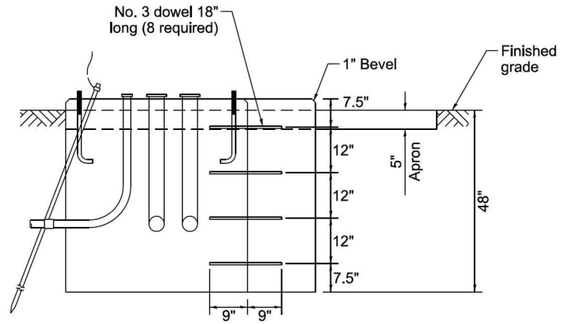
NOTES:

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

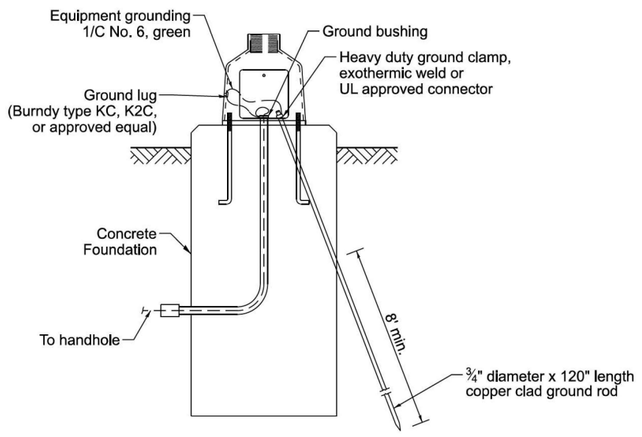
HANDHOLE TO INTERCEPT EXISTING CONDUIT



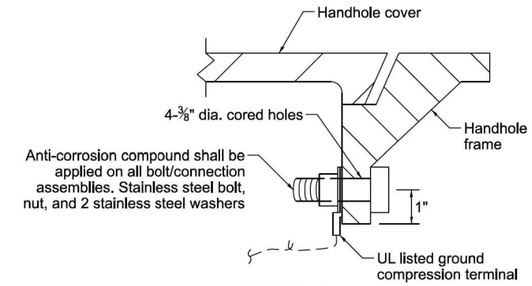
TOP VIEW



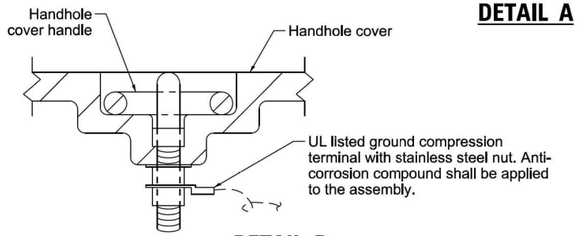
MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION



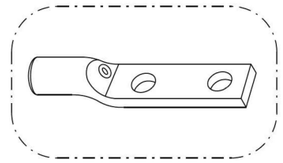
MAST ARM / POST GROUNDING DETAIL



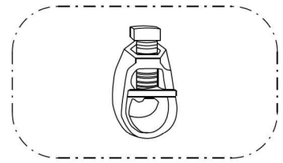
DETAIL A



DETAIL B



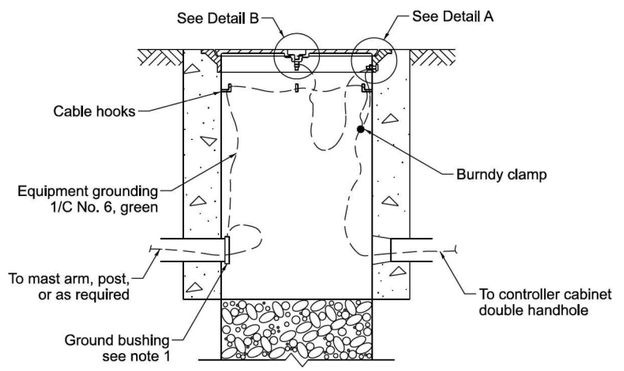
Heavy-Duty Compression Terminal
(Burndy Type YGHA or approved equal)



¾" Heavy-Duty Ground Rod Clamp
Bronze or Copper, UL Approved
(Burndy Type GRC or approved equal)

NOTES:

1. CONDUIT THAT HAS BEEN DRILLED INTO AN EXISTING HANDHOLE WILL REQUIRE A GROUND BUSHING FOR THE CONDUIT TO BE PROPERLY GROUNDED.
2. GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' OF SLACK SHALL BE PROVIDED IN SINGLE AND DOUBLE HANDHOLES. 5' OF SLACK SHALL BE PROVIDED BETWEEN THE FRAME AND COVER.



HANDHOLE GROUNDING DETAIL

TS SHT NO. 6

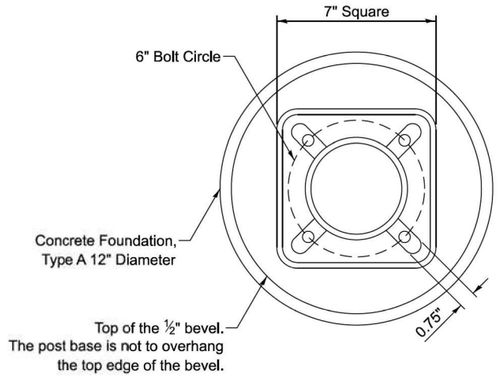
USER NAME = tovan,plascencia	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
	CHECKED - NB/KK	REVISED -
PLOT DATE =	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS | SHEET 6 OF 7 SHEETS | STA. | TO STA.

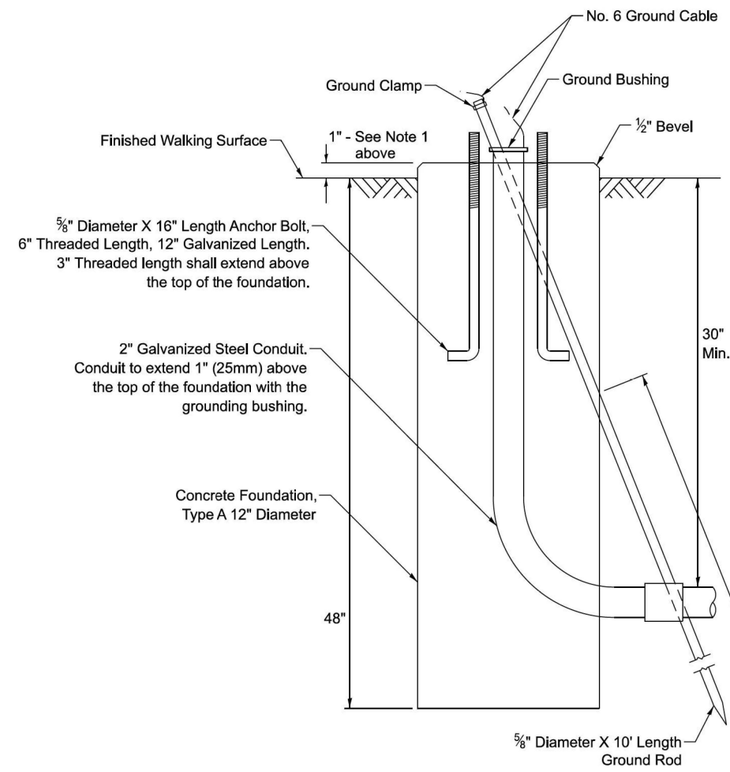
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	14
	TS-01	CONTRACT NO. 62W82		
	ILLINOIS FED. AID PROJECT			



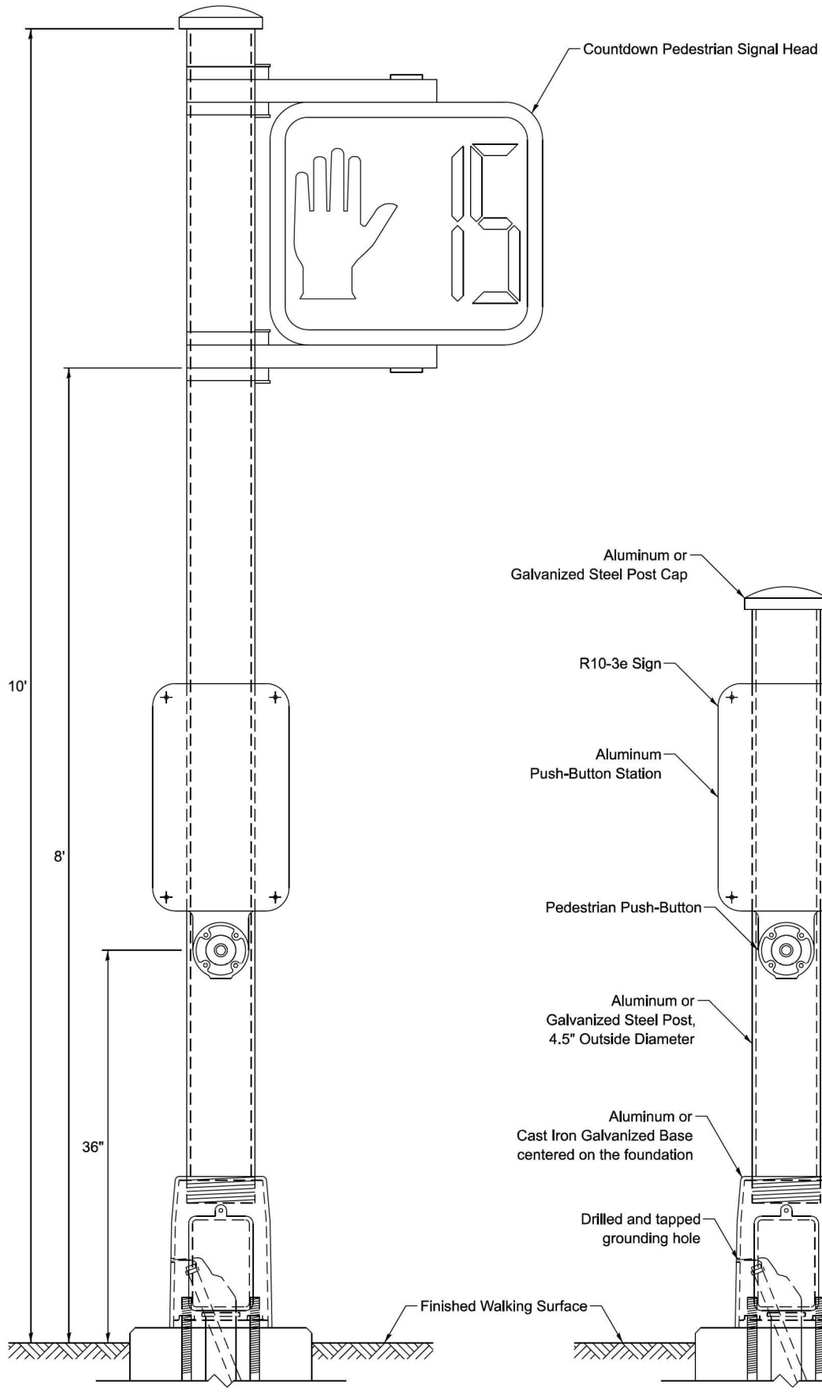
BOLT PATTERN

NOTES:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN A SIDEWALK CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE SIDEWALK CURB.

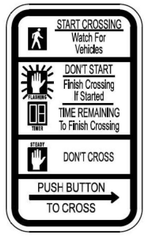


CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



R10-3e
9" X 15"



W10-I101
18" X 24"

SIGN NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. WHEN SIGN R10-3e IS INSTALLED AT MEDIANS WHERE ONLY ONE PUSH-BUTTON IS BEING USED FOR BOTH DIRECTIONS, THE ARROW SHALL BE BI-DIRECTIONAL.
3. SIGN W10-I101 IS REQUIRED FOR EACH PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS.

TS SHT NO. 7

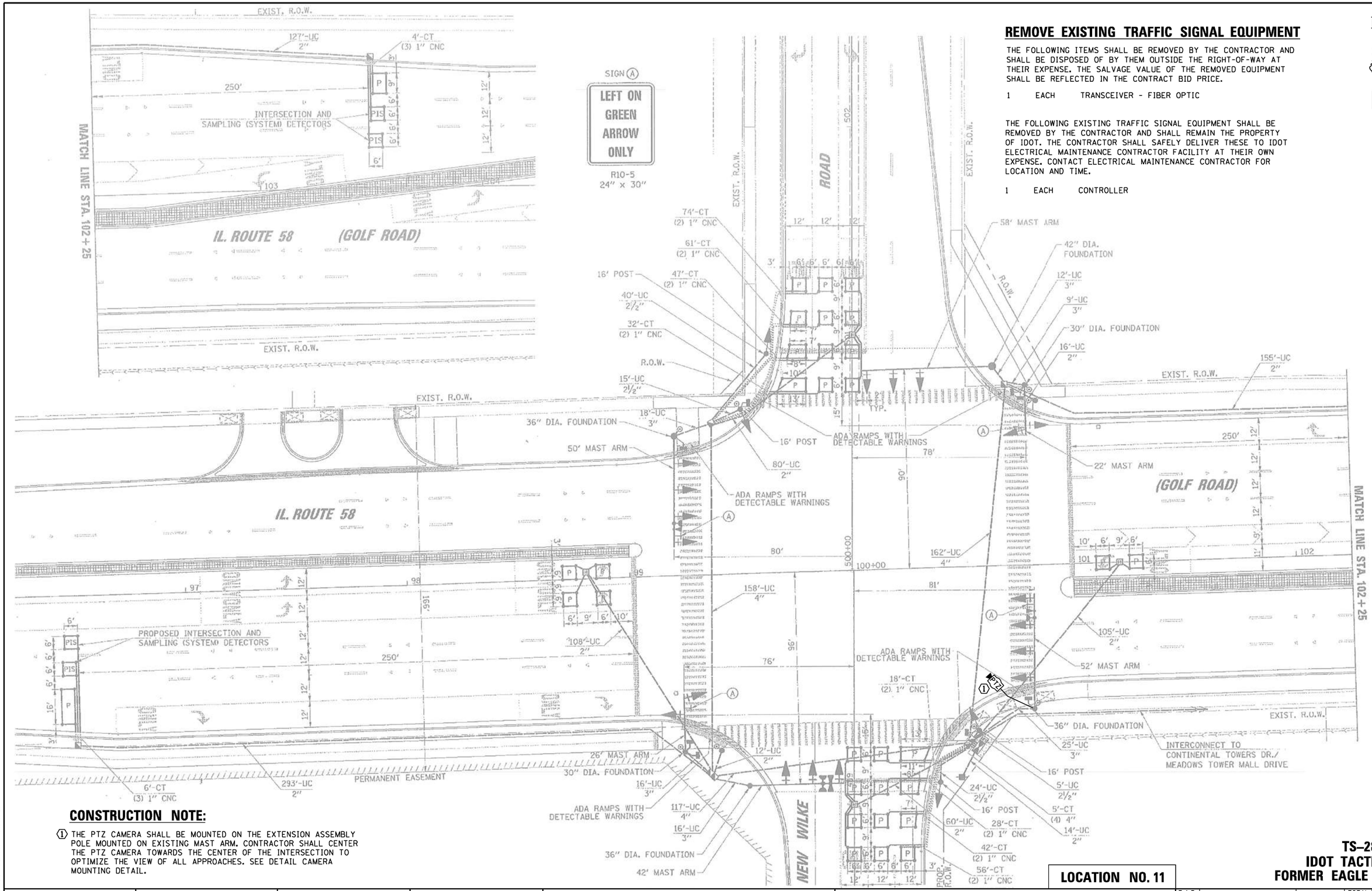
USER NAME = lovan,plascencia	DESIGNED - IP	REVISED -	
	DRAWN - IP	REVISED -	
	CHECKED - NB/KK	REVISED -	
PLOT DATE =	DATE - 10/15/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	15
	TS–01	CONTRACT NO. 62W82		
		ILLINOIS	FED. AID PROJECT	



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH TRANSCEIVER - FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

LOCATION NO. 11

TS–2815
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 8

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NO(S), CHK'D, NOTE BOOK, NO., BY, DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarlso	DESIGNED - BC	REVISED -	
EAGLEIN_01_MOD_Golf-New Wilke.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

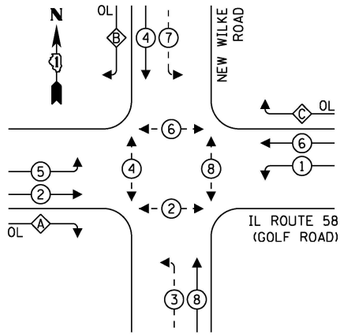
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 58 (GOLF ROAD) AND NEW WILKE ROAD

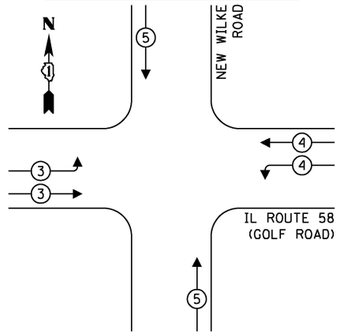
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	16
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

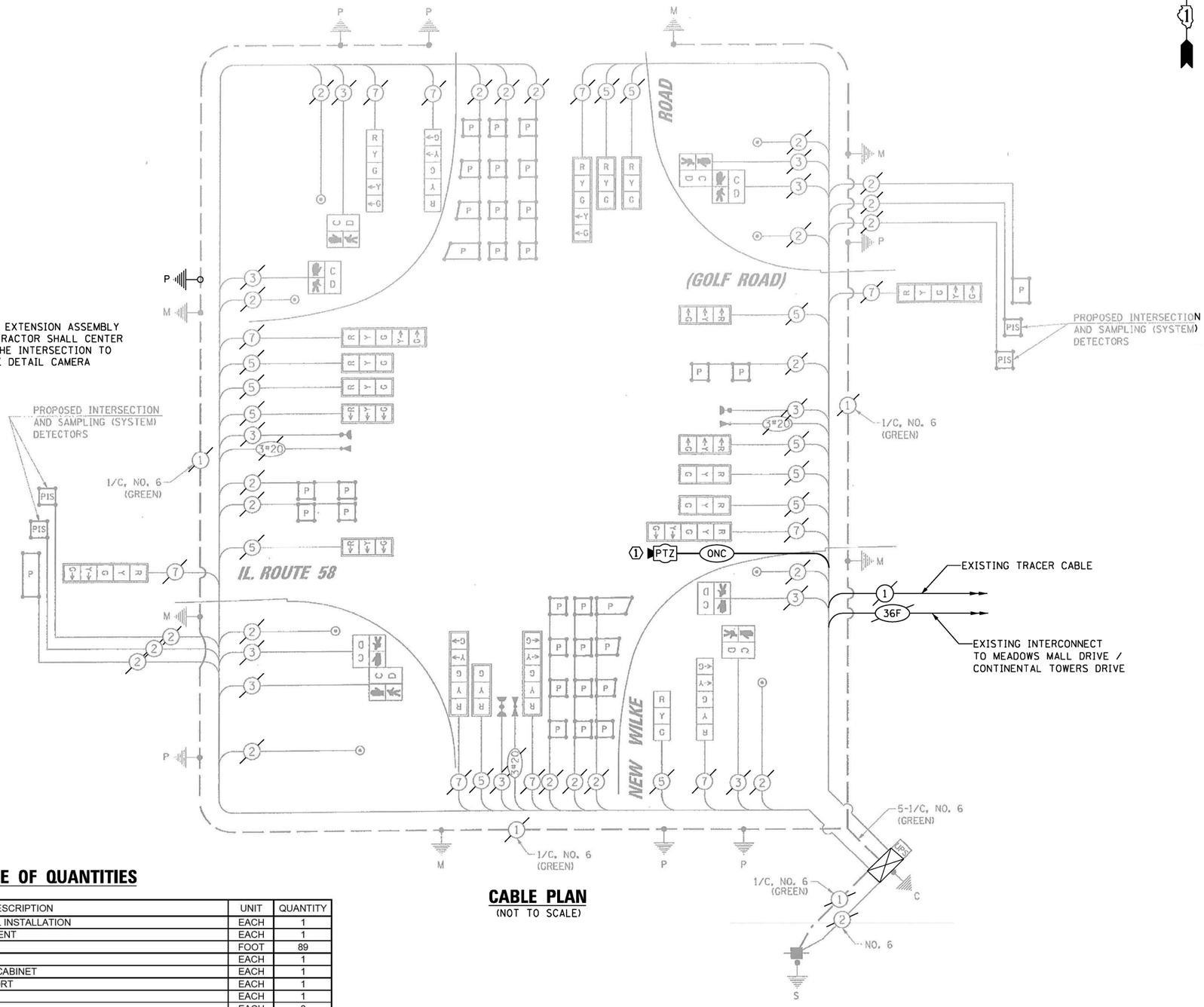
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.



CABLE PLAN

(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**582**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			**1262**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DEAN MARTINEZ
PHONE: (630) 691-4869
COMPANY: COMED
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	89
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH ACCESS	EACH	1
SPLICE FIBER IN CABINET	EACH	8
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

LOCATION NO. 11

TS–2815
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 9

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, ALL R.O.W. MONUMENTS SET, NOTE BOOK, NO.
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, ALL R.O.W. MONUMENTS SET, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO.
BY, DATE

USER NAME = bchavez	DESIGNED - BC	REVISED -	
EAGLE1N_02_CAB_Golf-New Wilke..dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 5/7/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 58 (GOLF ROAD) AND NEW WILKE ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	17
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

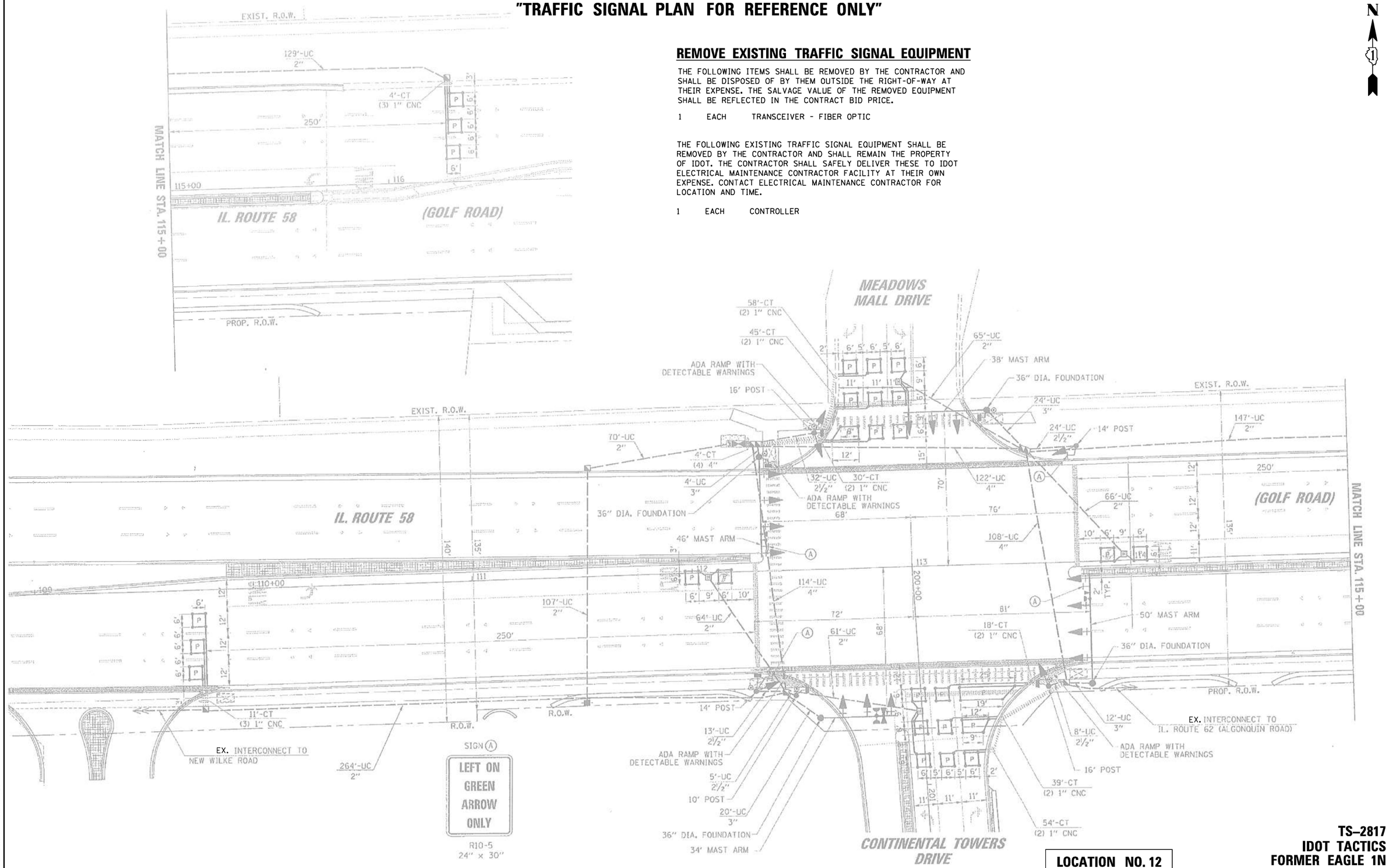
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH TRANSCEIVER - FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER



LOCATION NO. 12

TS–2817
IDOT TACTICS
FORMER EAGLE 1N

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN.03_MOD_Golf-Continental_.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL 58 (GOLF RD) AND MEADOWS MALL DR /CONTINENTAL TOWERS DR

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	18
		CONTRACT NO. 62W82		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

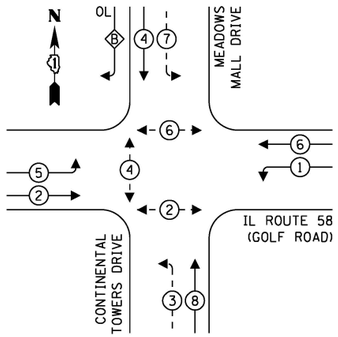
PLAN: NOTE BOOK NO. ___ | SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ RT. OF WAY CHECKED ___ CADD FILE NAME ___ | BY | DATE

PROFILE: NOTE BOOK NO. ___ | SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ B.M. NOTED ___ STRUCTURE NOTAT'NS CH'KD | BY | DATE

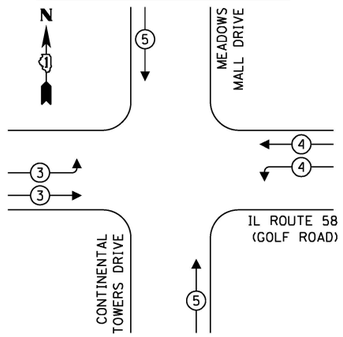
CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

TS SHT NO. 10

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

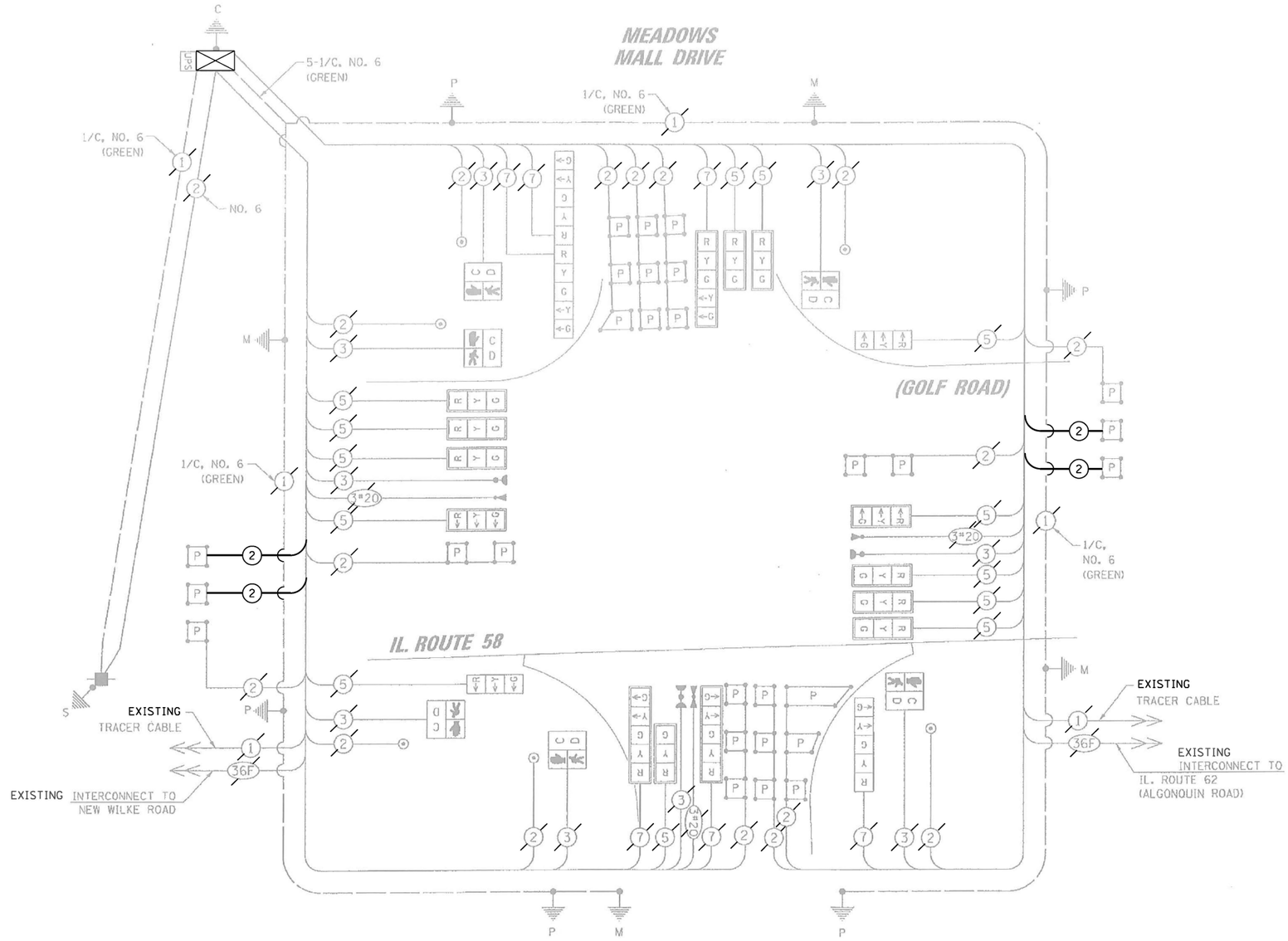
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	13	11	143
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			511
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			1116

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DEAN MARTINEZ
PHONE: (630) 691-4869
COMPANY: COMED
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1760
INDUCTIVE LOOP DETECTOR	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	12
NETWORK SWITCH ACCESS	EACH	1

LOCATION NO. 12

TS–2817
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 11

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = bchavez	DESIGNED - BC	REVISED -	
EAGLEIN_04_CAB_Golf-Continental_.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 5/7/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL 58 (GOLF RD) AND MEADOWS MALL DR /CONTINENTAL TOWERS DR

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	19
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, STRUCTURE NO(TA)TNS CHKD — NOTE BOOK — NO. ____ — BY — DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, AS BUILT MARKED, CADD FILE NAME — NOTE BOOK — NO. ____ — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN | SURVEYED | BY | DATE
NOTE BOOK | PLOTTED
NO. ____ | GRADES CHECKED
ALIGNMENT CHECKED
PLANS PREPARED
CADD FILE NAME

PROFILE | SURVEYED
NOTE BOOK | PLOTTED
NO. ____ | GRADES CHECKED
ALIGNMENT CHECKED
STRUCTURE NO(S)/PINS CHKD

TS SHT NO. 12

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

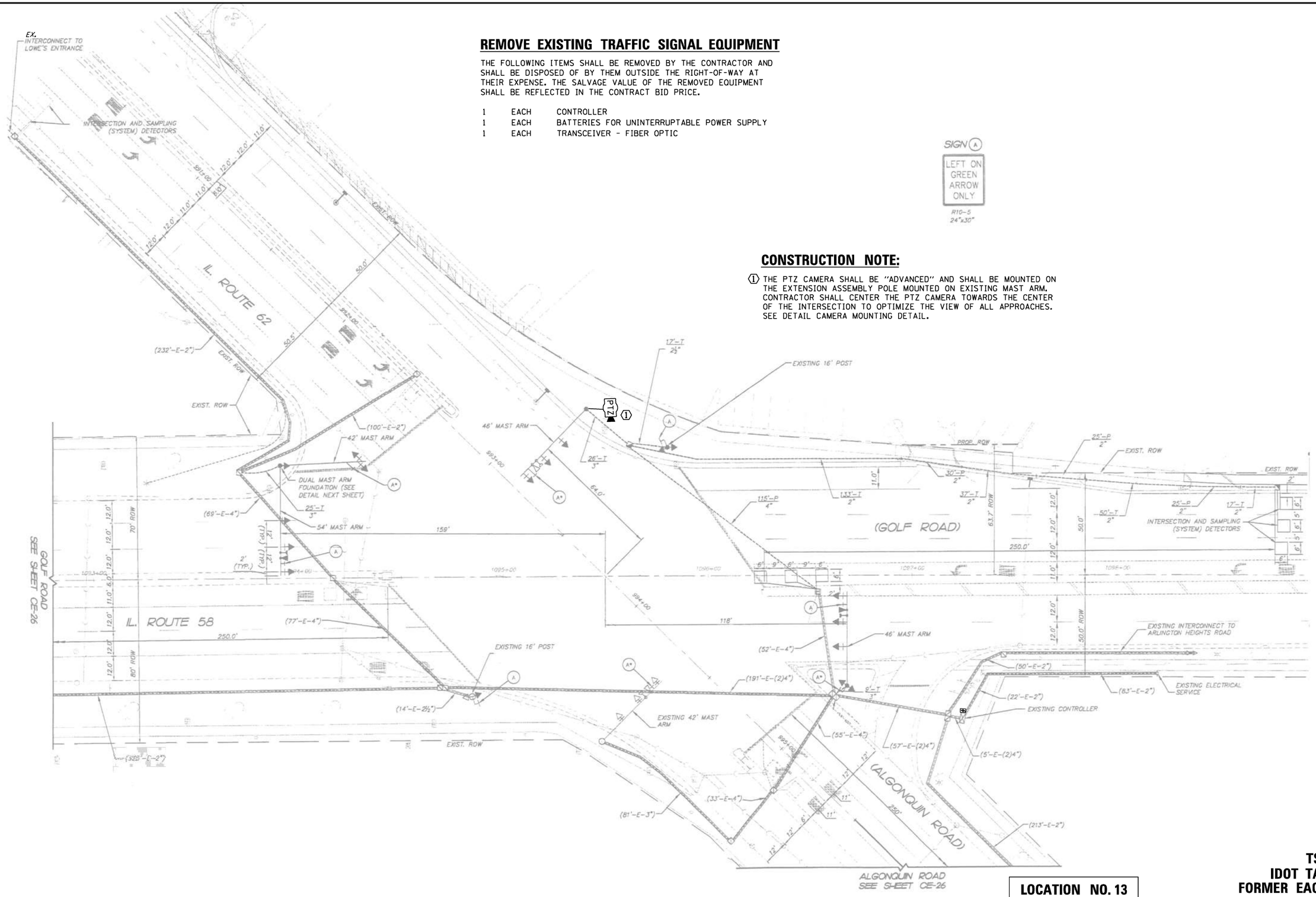
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1	EACH	TRANSCEIVER - FIBER OPTIC

SIGN (A)
LEFT ON GREEN ARROW ONLY
R10-5
24"x30"

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.



LOCATION NO. 13

TS–2705
IDOT TACTICS
FORMER EAGLE 1N

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

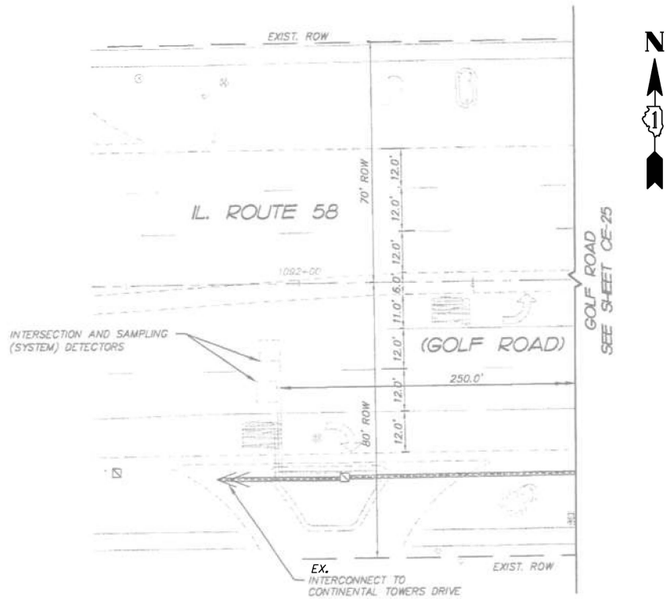
USER NAME = fbariso	DESIGNED - BC	REVISED -	
EAGLEIN_05_MOD1_Golf-Algonquin_.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

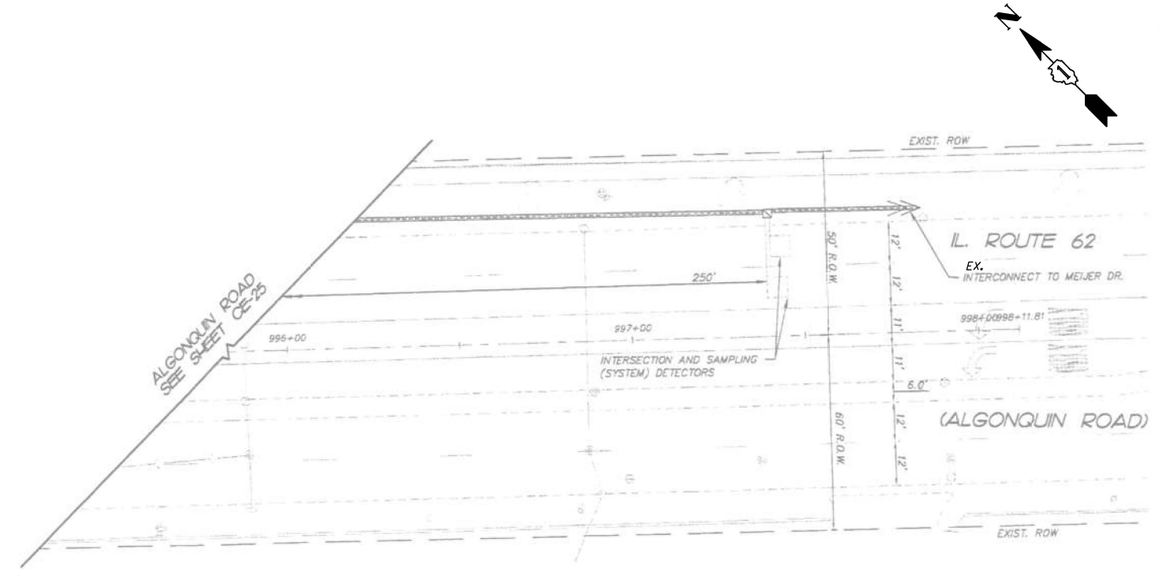
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN – (SHEET 1 OF 2)
IL ROUTE 58 (GOLF ROAD) AND IL ROUTE 62 (ALGONQUIN ROAD)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	20
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTAT'NS CH'KD
BY
DATE

TS SHT NO. 13

TS–2705
IDOT TACTICS
FORMER EAGLE 1N

LOCATION NO. 13

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN.06_MOD2.Golf-Algonquin_.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

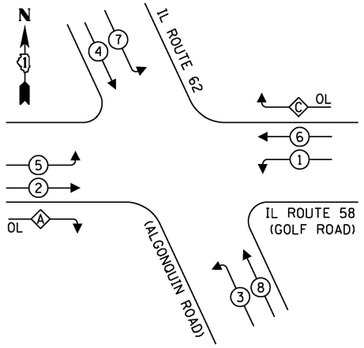
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN – (SHEET 2 OF 2)
IL ROUTE 58 (GOLF ROAD) AND IL ROUTE 62 (ALGONQUIN ROAD)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	21
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

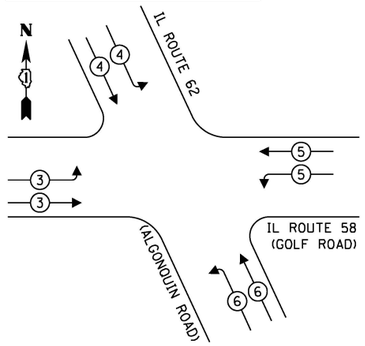
CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	364
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
NETWORK SWITCH DISTRIBUTION	EACH	1
SPLICE FIBER IN CABINET	EACH	8
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



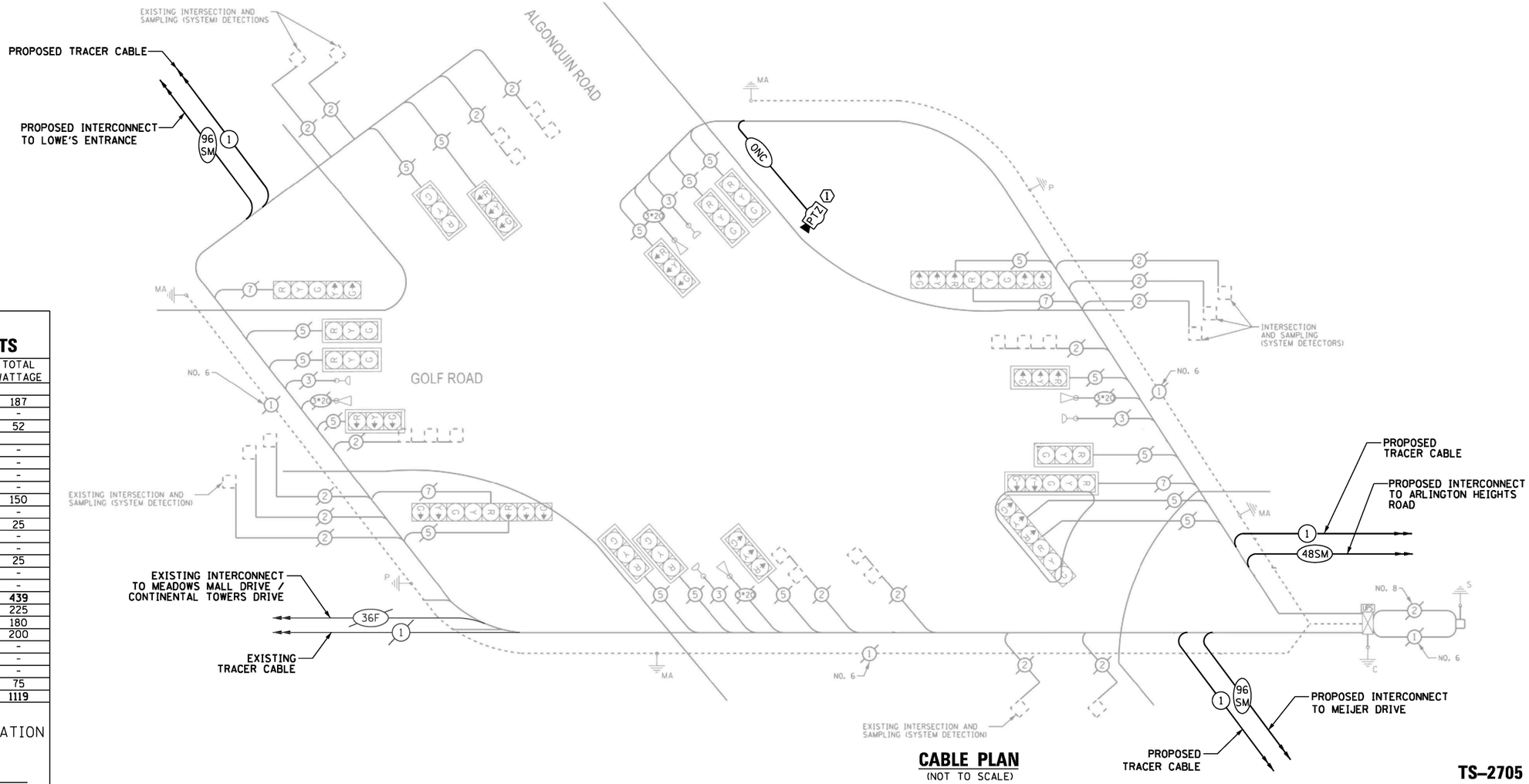
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	17	11	187
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**439**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			**1119**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

LOCATION NO. 13

TS–2705
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 14

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — NOTE BOOK — NO. — SURVEYED — PLOTTED — GRADES CHECKED — ALIGNMENT CHECKED — BY — DATE

PROFILE — SURVEYED — PLOTTED — GRADES CHECKED — ALIGNMENT CHECKED — STRUCTURE — NOTATIONS CHKD — BY — DATE

USER NAME = bchavez	DESIGNED - BC	REVISED -	
EAGLEIN_07_CAB_Golf-Algonquin..dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 5/7/2026	DATE -	REVISED -	

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 58 (GOLF ROAD) AND IL ROUTE 62 (ALGONQUIN ROAD)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	22
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

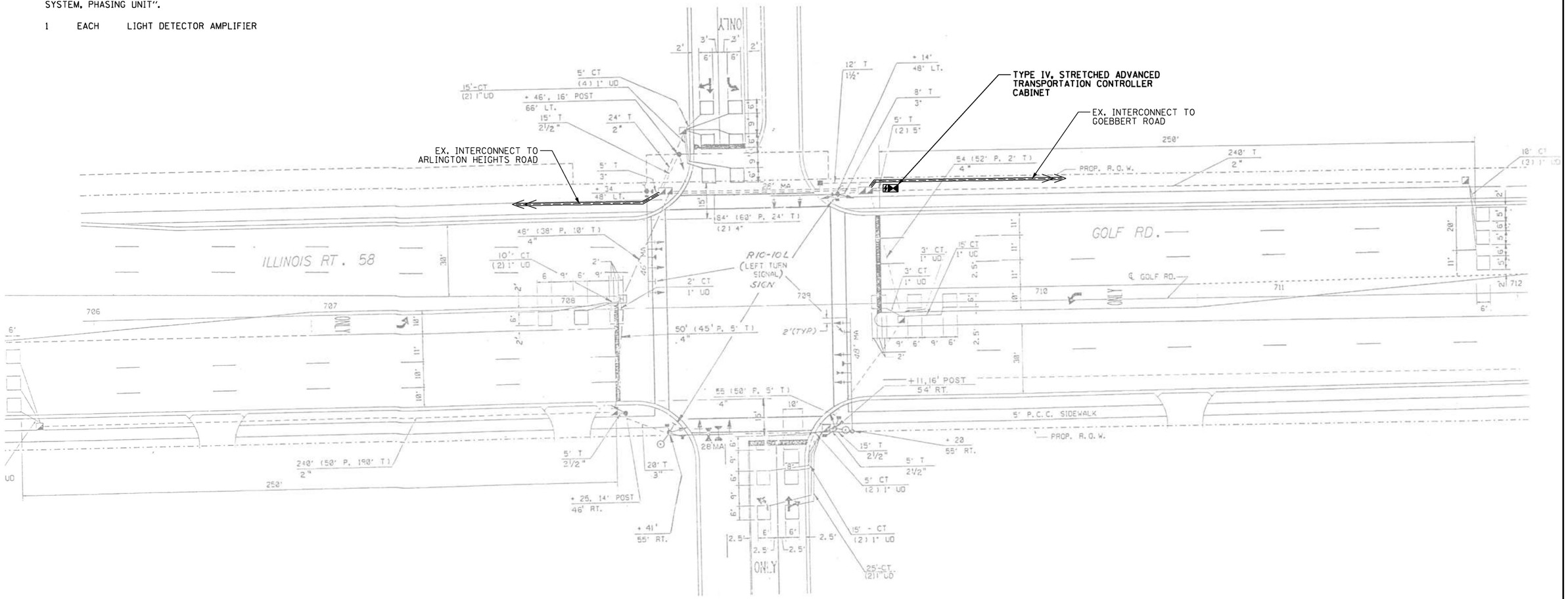
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER



INTERNATIONAL PLAZA

LOCATION NO. 14

TS–2767
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 15

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbarlso	DESIGNED - BC	REVISED -
	EAGLEIN_08_MOD_Golf-Plaza.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 58 (GOLF ROAD) AND INTERNATIONAL PLAZA

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

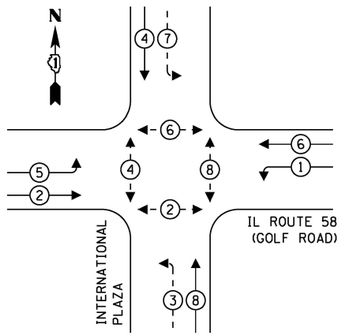
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	23
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO.

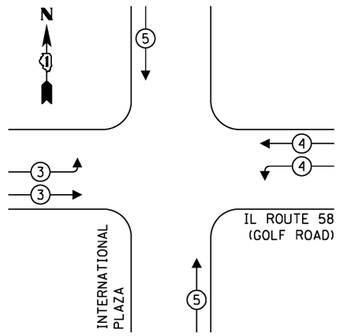
PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, CADD FILE NAME, NOTE BOOK, NO.

BY | DATE

EXISTING CONTROLLER SEQUENCE

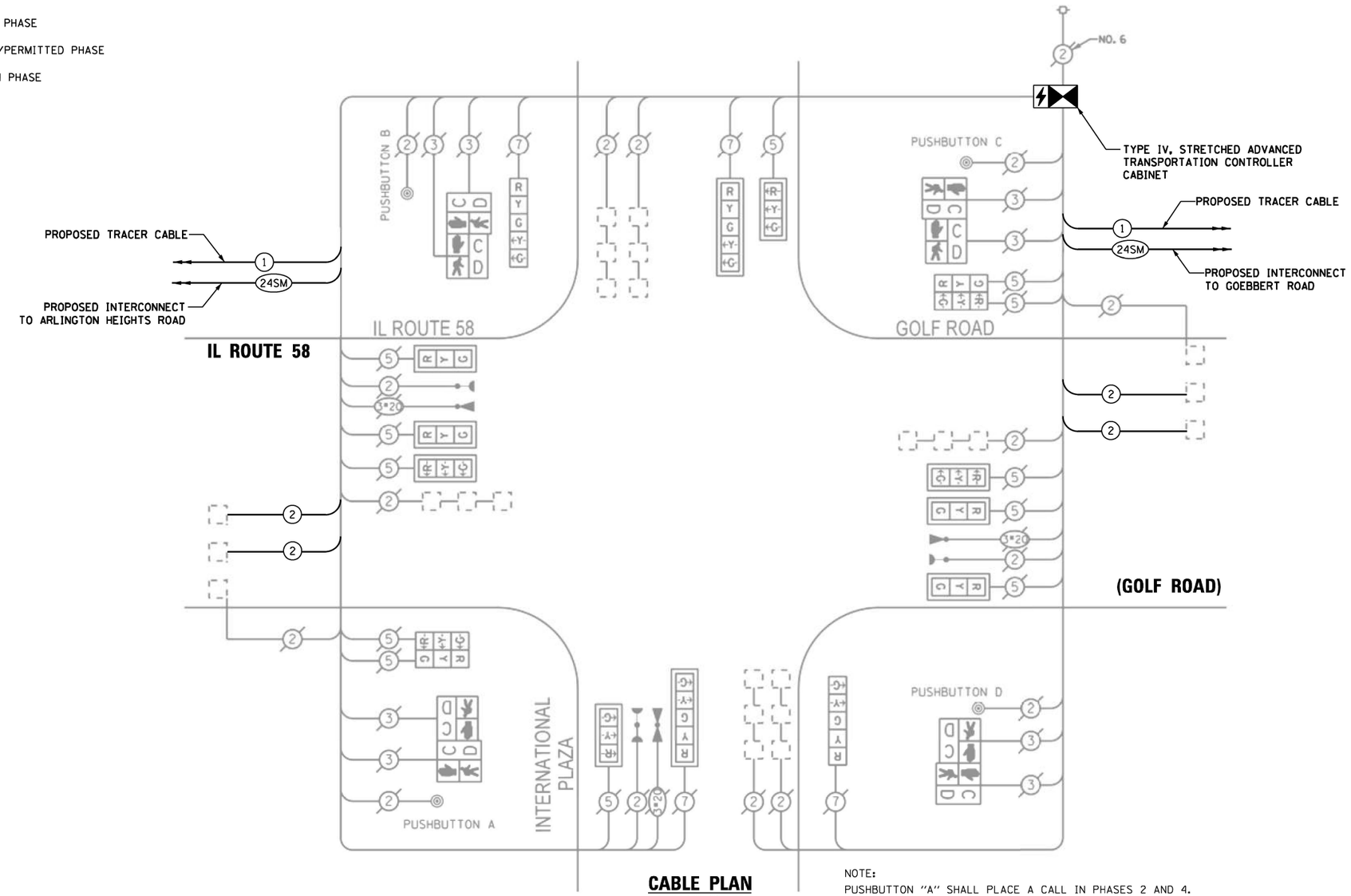


EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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



CABLE PLAN
(NOT TO SCALE)

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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			504
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			1109

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: DEAN MARTINEZ
PHONE: (630) 691-4869
COMPANY: COMED
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1516
INDUCTIVE LOOP DETECTOR	EACH	12
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

LOCATION NO. 14

TS–2767
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 16

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	
EAGLE1N_09_CAB_Golf-Plaza.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 58 (GOLF ROAD) AND INTERNATIONAL PLAZA

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	24
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

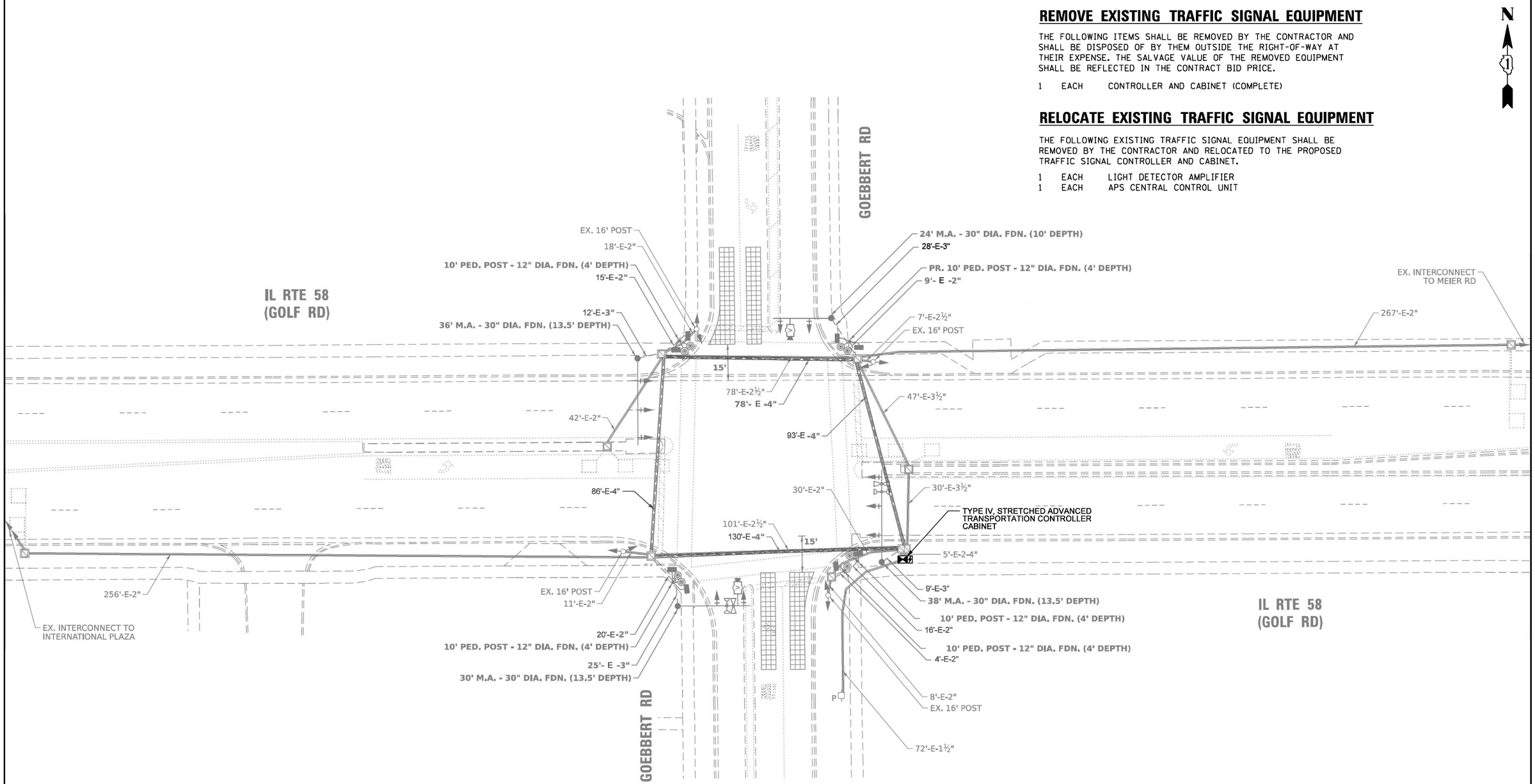
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET.

1 EACH LIGHT DETECTOR AMPLIFIER
1 EACH APS CENTRAL CONTROL UNIT



TS SHT NO. 17

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS–2765
IDOT TACTICS
FORMER EAGLE 1N

LOCATION NO. 15

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN.10.MOD.Golf-Goebbert.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

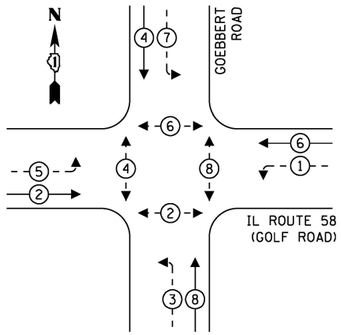
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 58 (GOLF ROAD) AND GOEBBERT ROAD

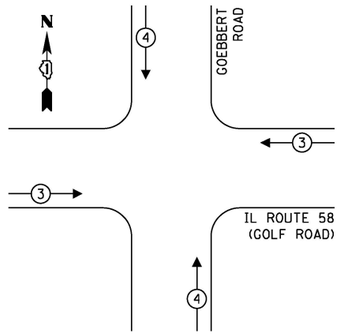
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	25
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

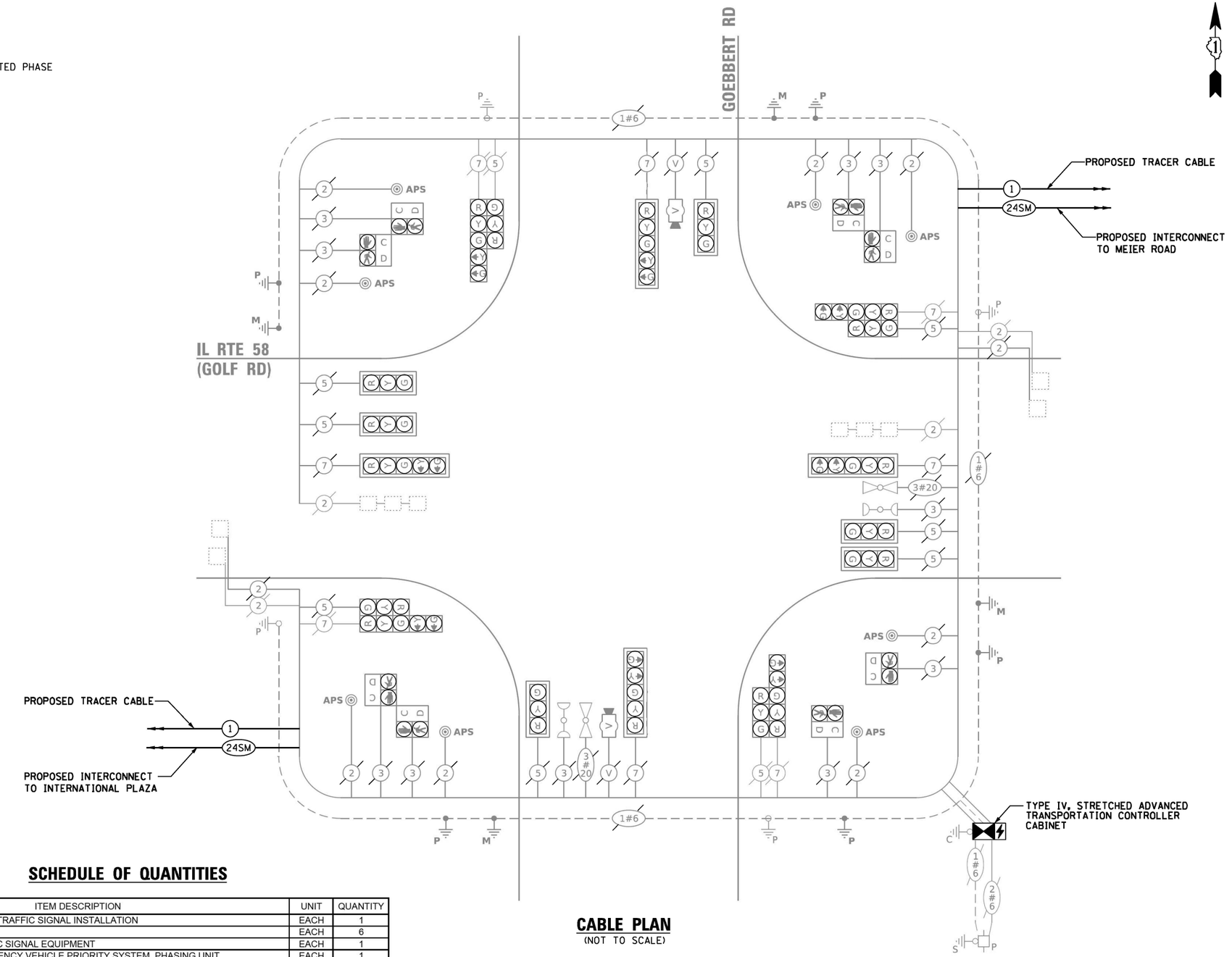
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	2	20	40
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**574**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**1,179**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	6
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

LOCATION NO. 15

TS–2765
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 18

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTS, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO.
PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTS CHECKED, CADD FILE NAME, NOTE BOOK, NO.
BY, DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbarlso	DESIGNED - BC	REVISED -
	EAGLE1N_11_CAB_Golf-Goebbert.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 58 (GOLF ROAD) AND GOEBBERT ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	26
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

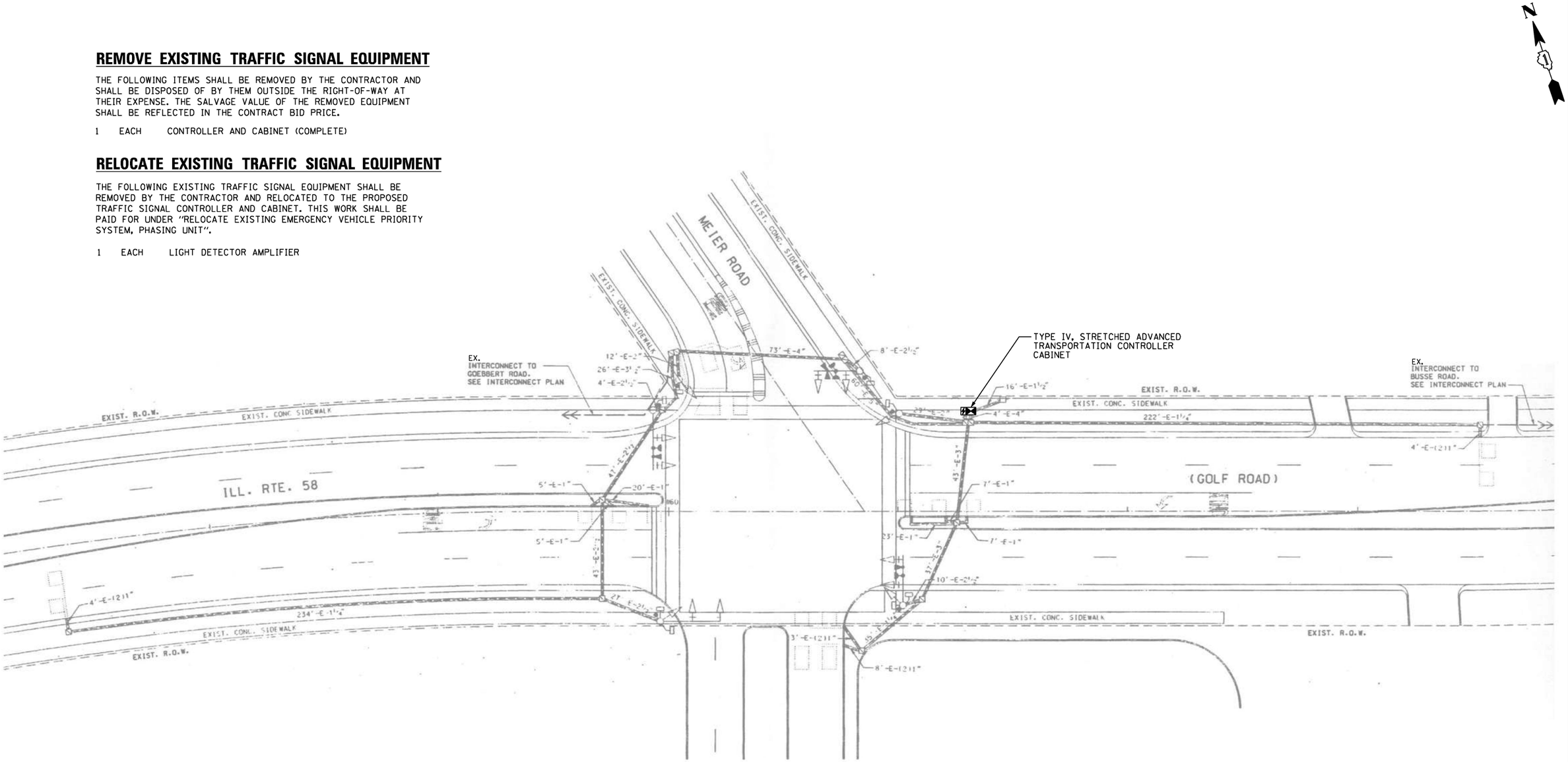
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER



TS SHT NO. 19

PROFILE | NOTE BOOK NO. | SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTAT'NS CH'KD | BY | DATE

PLAN | NOTE BOOK NO. | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | BY | DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS–2875
IDOT TACTICS
FORMER EAGLE 1N

LOCATION NO. 16

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN.12_MOD_Golf-Meier.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

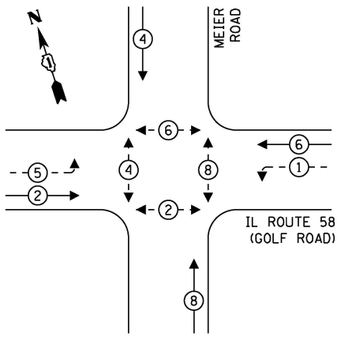
TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 58 (GOLF ROAD) AND MEIER ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

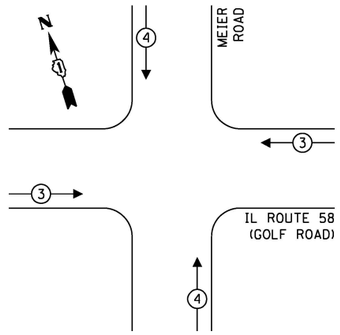
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	27
		CONTRACT NO. 62W82		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

EXISTING CONTROLLER SEQUENCE

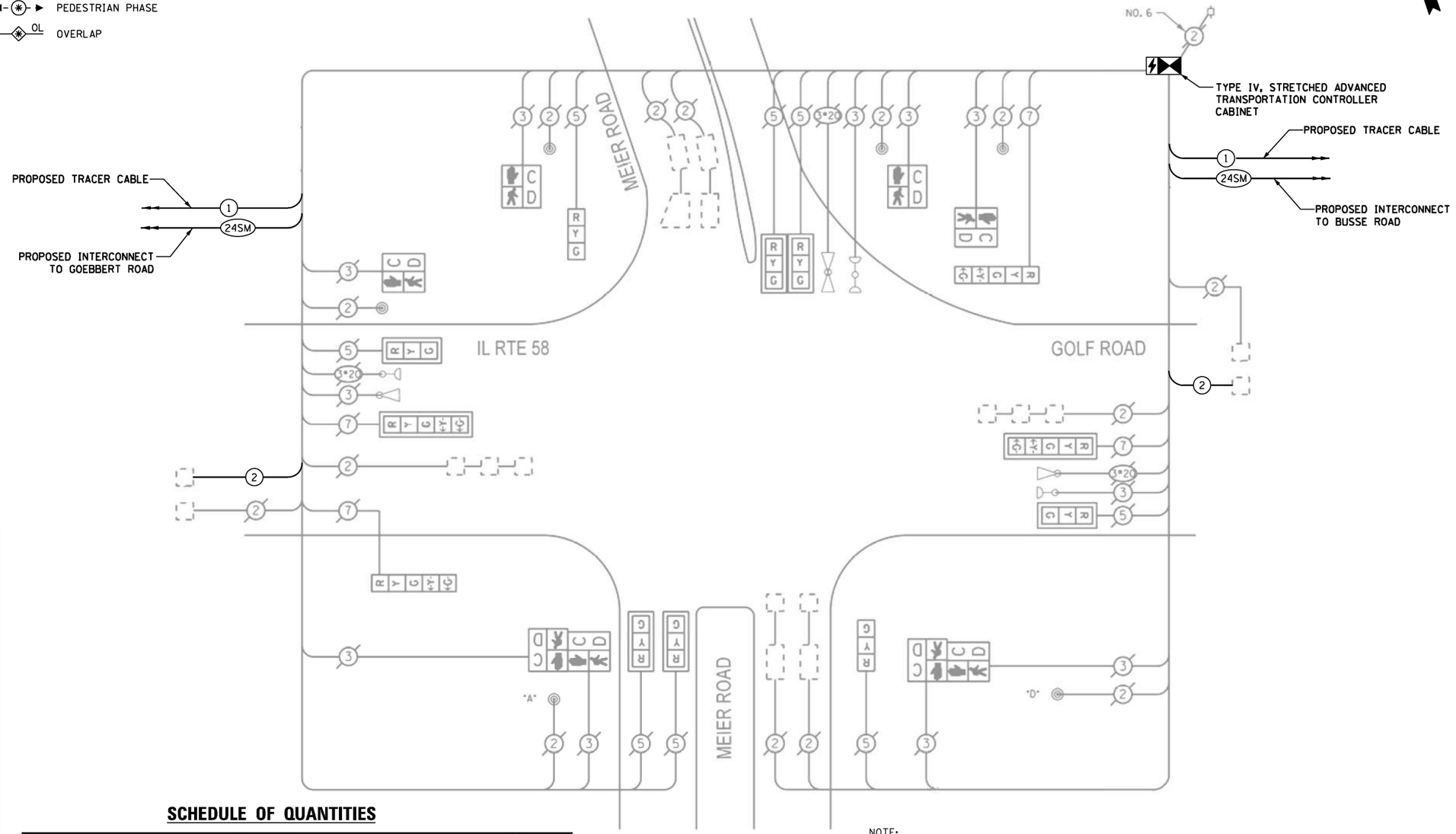


EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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



CABLE PLAN
(NOT TO SCALE)

NOTE:
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**460**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**1065**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	779
INDUCTIVE LOOP DETECTOR	EACH	10
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

LOCATION NO. 16

TS–2875
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 20

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -
EAGLEIN_13_CAB_Golf-Meier.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 58 (GOLF ROAD) AND MEIER ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

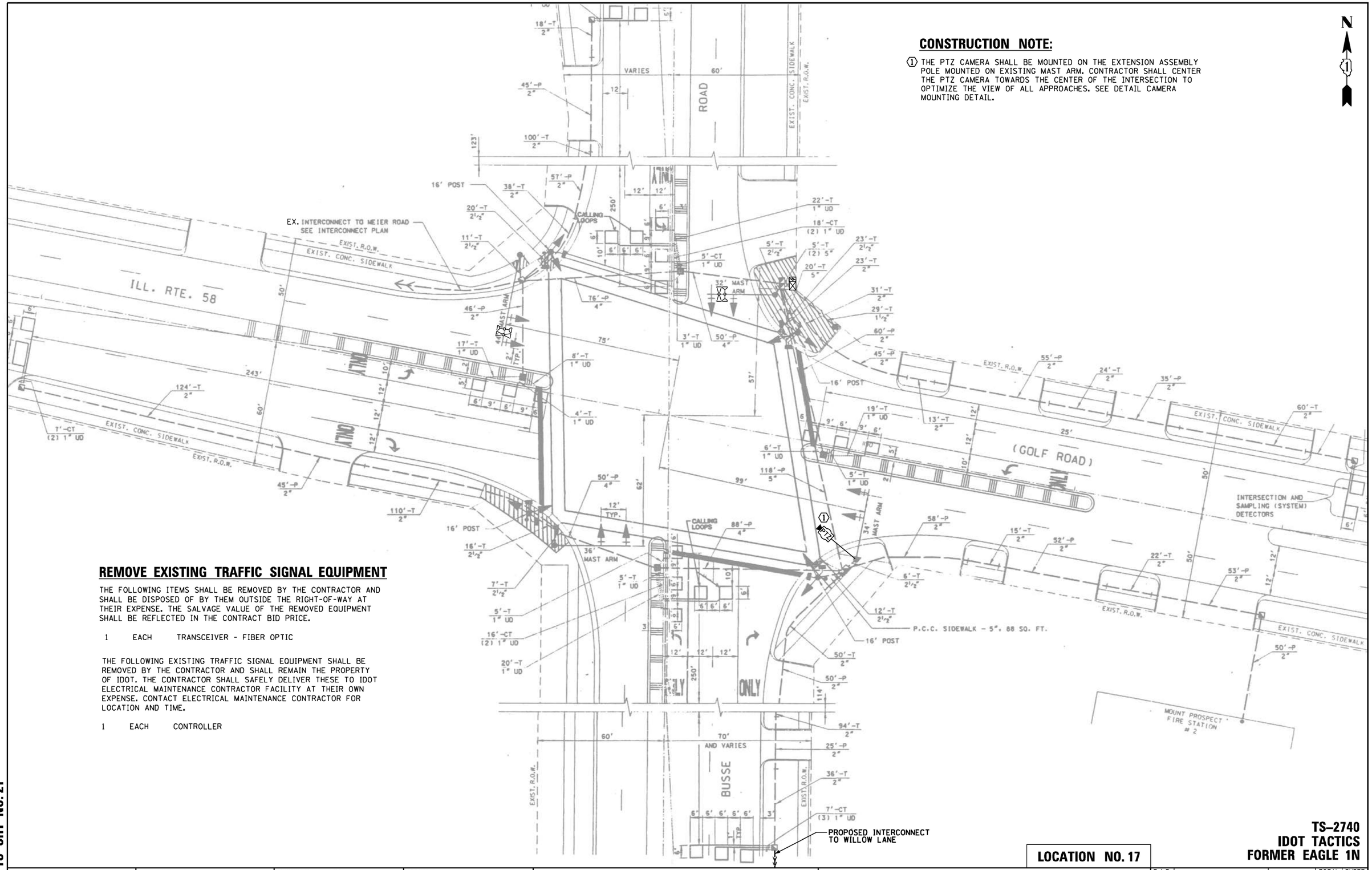
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	28
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, NOTE BOOK, NO. ____, STRUCTURE NO(S)/PINS, CK'KD, BY, DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, NOTE BOOK, NO. ____, CADD FILE NAME, BY, DATE

CONSTRUCTION NOTE:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH TRANSCEIVER - FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

TS-2740
IDOT TACTICS
FORMER EAGLE 1N

LOCATION NO. 17

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN_14_MOD_Golf-Busse.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 58 (GOLF ROAD) AND BUSSE ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	29
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

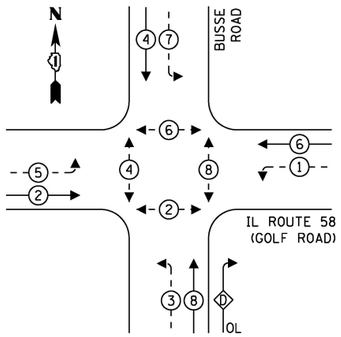
PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / BY / DATE

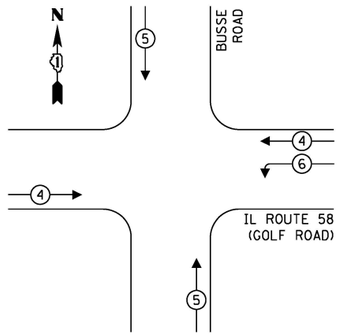
CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

TS SHT NO. 21

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1

EXISTING AND PROPOSED FIRE STATION PREEMPTION	
FIRE STATION VEHICLE PREEMPTOR	6
MOVEMENT	↙

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			520
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			1200

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

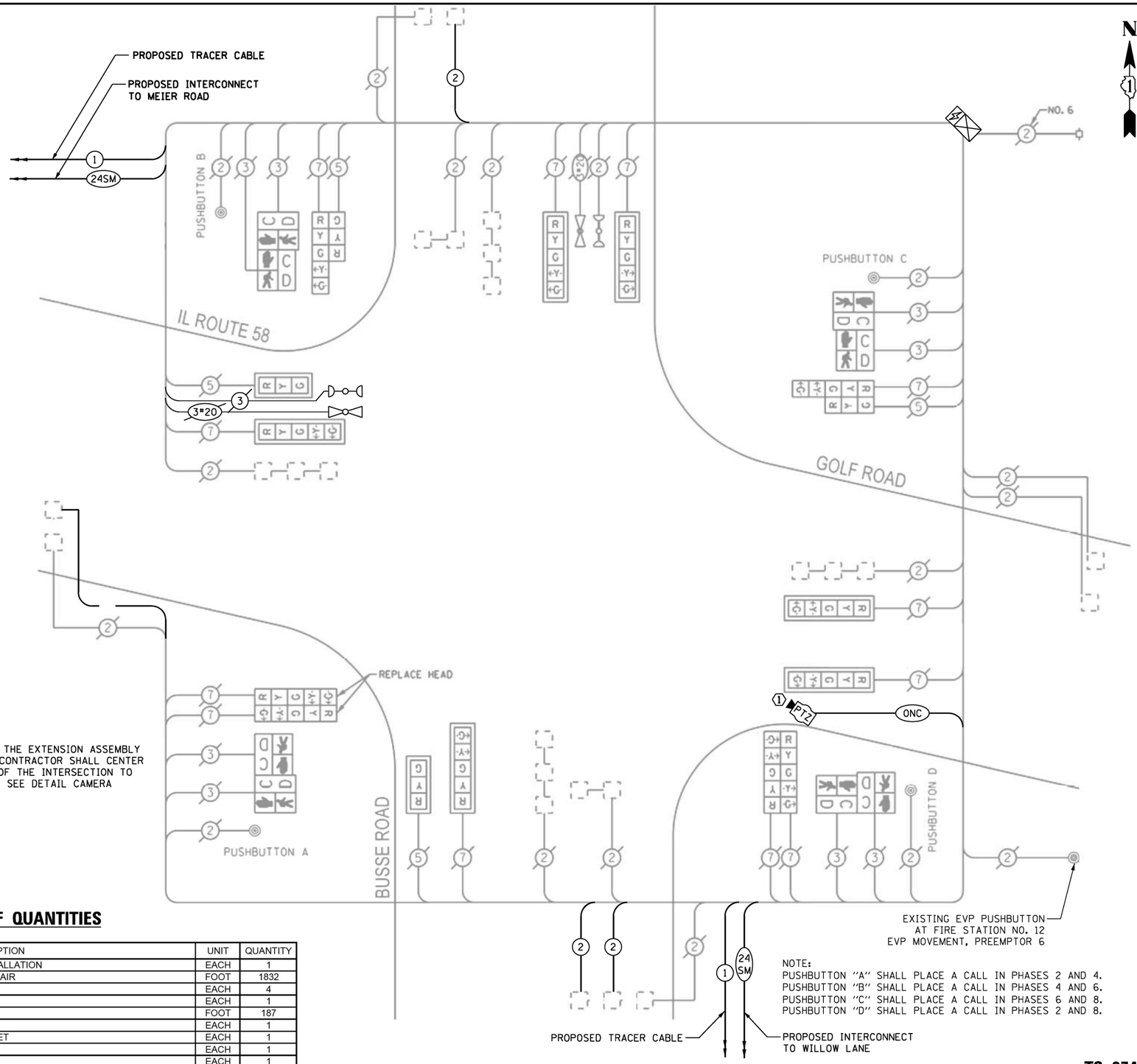
ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1832
INDUCTIVE LOOP DETECTOR	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	187
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1



CABLE PLAN
(NOT TO SCALE)

LOCATION NO. 17

TS–2740
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 22

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHKD / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO.

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / AS BUILT MARKED / CADD FILE NAME / NOTE BOOK / NO. — DATE / BY

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLE1N_15_CAB_Golf-Busse.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 58 (GOLF ROAD) AND BUSSE ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	30
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

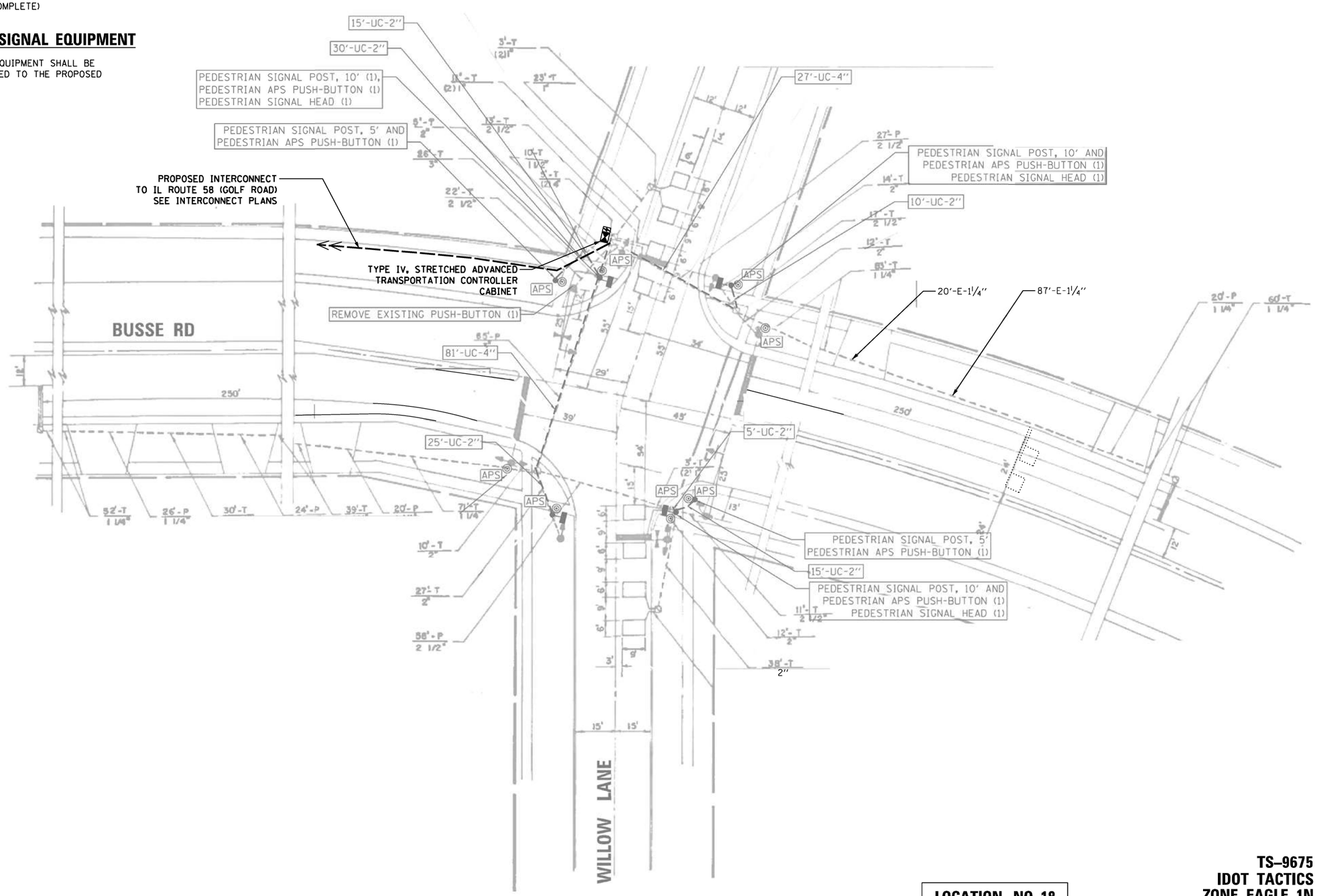
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET.

1 EACH LIGHT DETECTOR AMPLIFIER
1 EACH APS CENTRAL CONTROL UNIT



LOCATION NO. 18

TS–9675
IDOT TACTICS
ZONE EAGLE 1N

TS SHT NO. 23

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALL NOTES CHKD / STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. ____ — BY — DATE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / ALL NOTES CHECKED / CADD FILE NAME ____ — NOTE BOOK — NO. ____ — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbarlso	DESIGNED - BC	REVISED -
	EAGLEIN_16_MOD_Busse-Willow.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

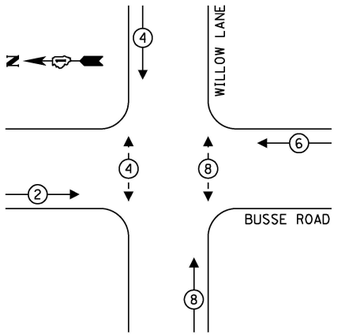
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
BUSSE ROAD AND WILLOW LANE

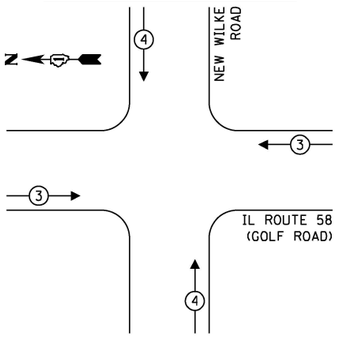
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	31
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

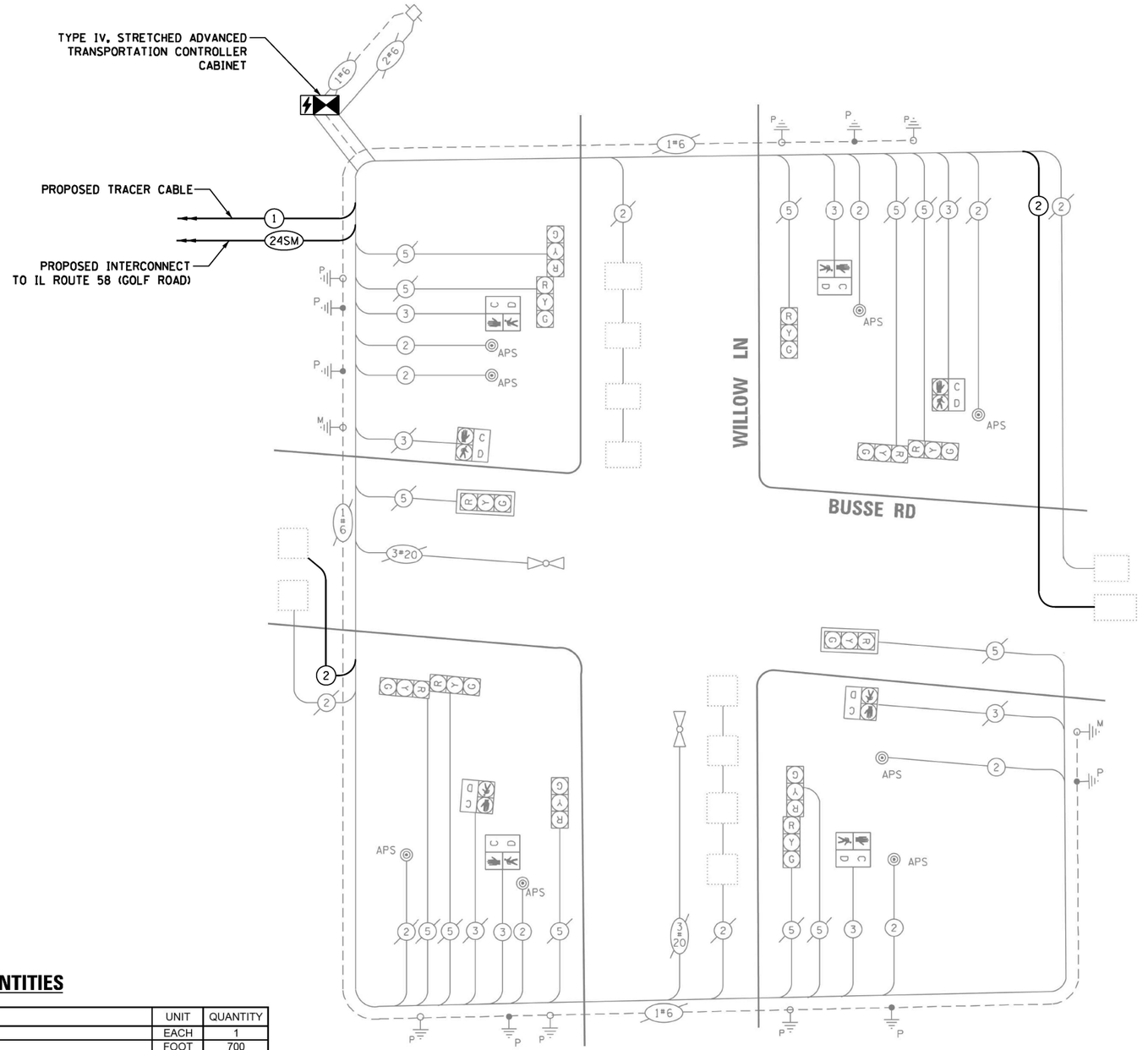
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**392**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**1057**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DEAN MARTINEZ
PHONE: (630) 691-4869
COMPANY: COMED
ACCOUNT NUMBER: ---



CABLE PLAN

NOT TO SCALE

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	700
INDUCTIVE LOOP DETECTOR	EACH	6
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

LOCATION NO. 18

TS–9675
IDOT TACTICS
ZONE EAGLE 1N

TS SHT NO. 24

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, BY, DATE, NOTE BOOK, NO., STRUCTURE, NOTATNS, CH'KD

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, BY, DATE, NOTE BOOK, NO., CADD FILE NAME

USER NAME = fberiso	DESIGNED - BC	REVISED -	
EAGLE1N_17_CAB_Busse-Willow.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

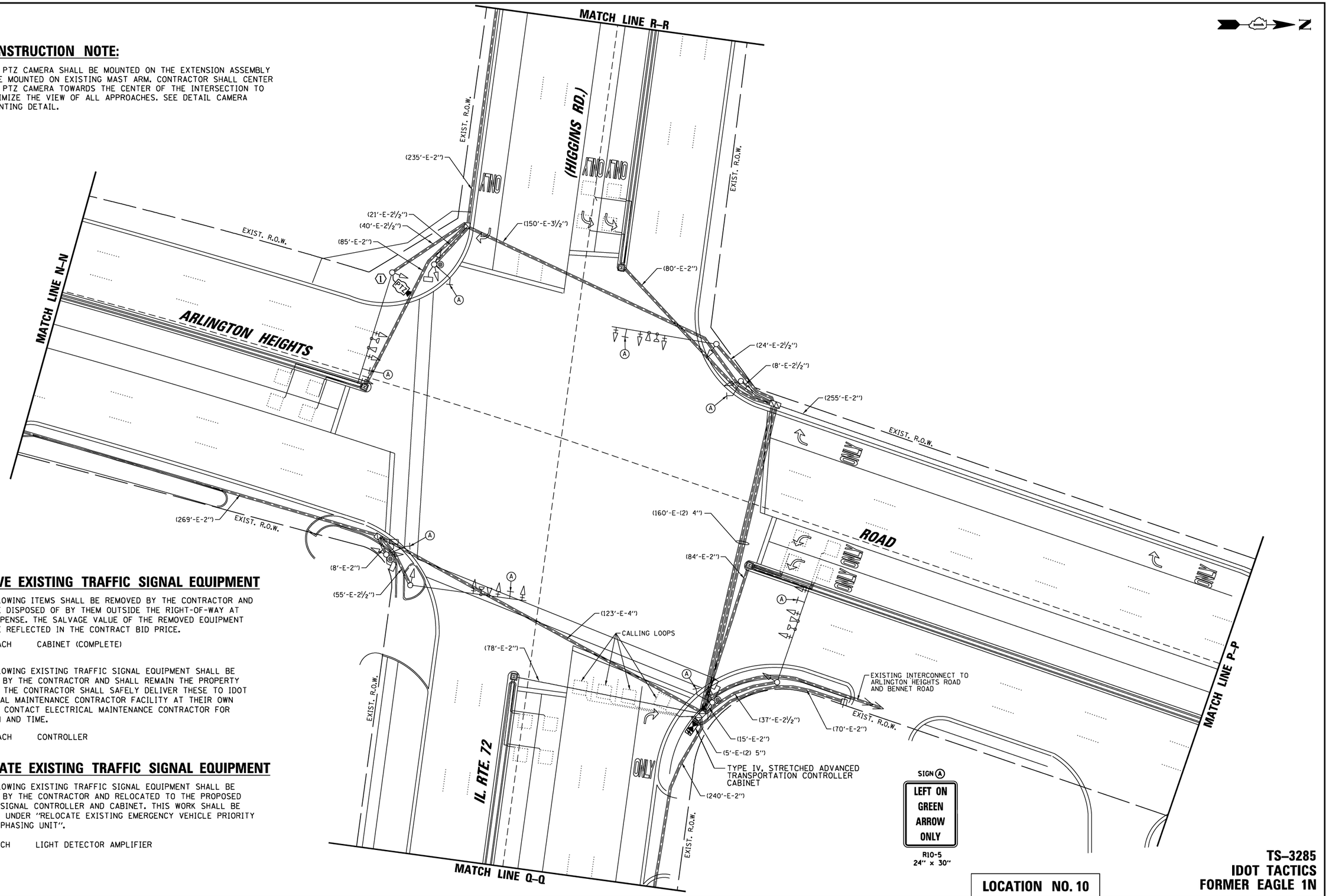
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
BUSSE ROAD AND WILLOW LANE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	32
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONSTRUCTION NOTE:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH CABINET (COMPLETE)

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER

LOCATION NO. 10

TS-3285
IDOT TACTICS
FORMER EAGLE 1N

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN_18_MOD1_Arlington-Higgins.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ARLINGTON HEIGHTS ROAD AND IL ROUTE 72 (HIGGINS ROAD)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	33
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ RT. OF WAY CHECKED ___ CADD FILE NAME ___ BY ___ DATE ___

PROFILE: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ B.M. NOTED ___ STRUCTURE NOTAT'NS CH'KD ___ BY ___ DATE ___

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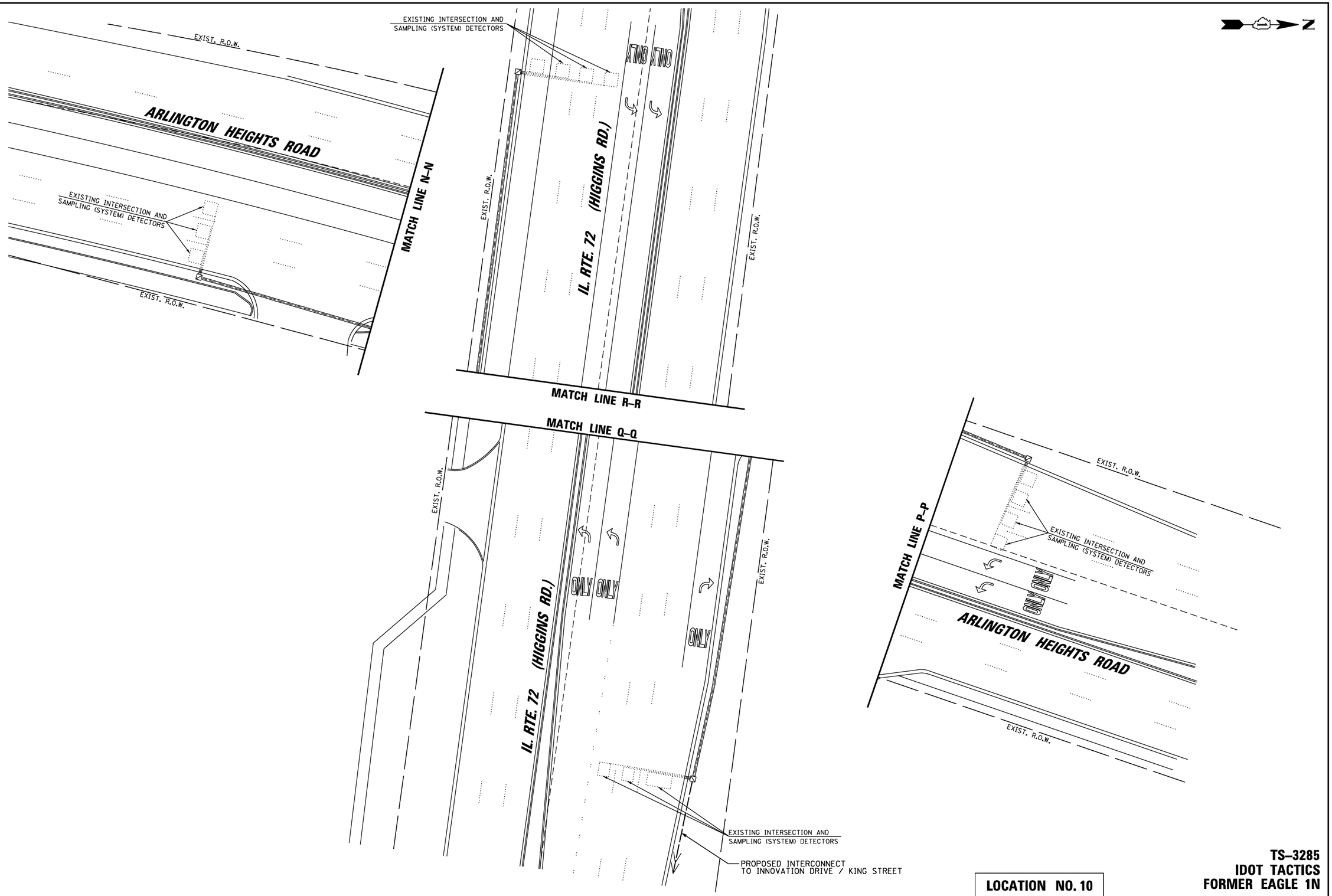
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 25



TS–3285
IDOT TACTICS
FORMER EAGLE 1N

LOCATION NO. 10

TS SHT NO. 26

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATNS CHKD		

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	PLAN NOTATNS CHKD		
	CADD FILE NAME		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -	
EAGLE1N_19_MOD2_Arlington-Higgins.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

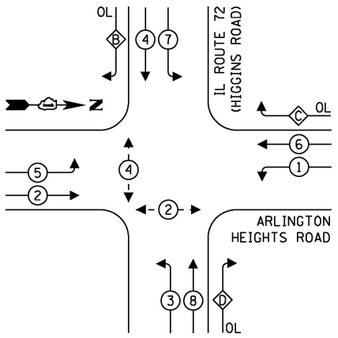
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ARLINGTON HEIGHTS ROAD AND IL ROUTE 72 (HIGGINS ROAD)

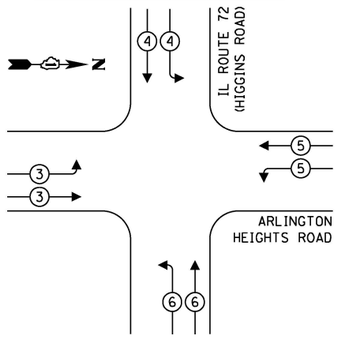
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	34
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

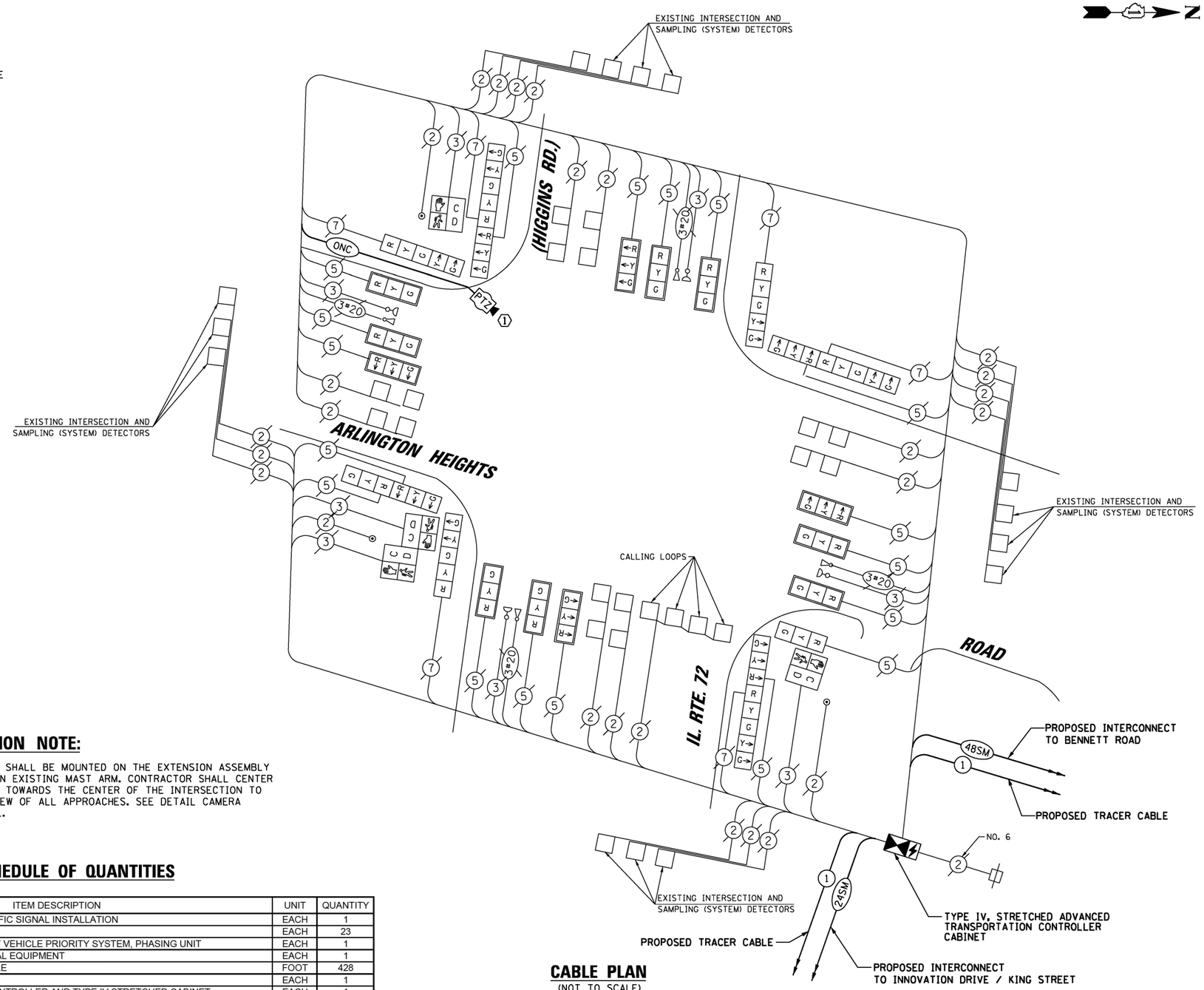
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	18	11	198
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**536**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			**1216**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: MARK GLOECK
PHONE: (630) 691-4529
COMPANY: COMED
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

CONSTRUCTION NOTE:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	23
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	428
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

LOCATION NO. 10

TS–3285
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 27

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NOTATIONS CHK'D — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTED, CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbarlso	DESIGNED - BC	REVISED -
	EAGLE1N_20_CAB_Arlington-Higgins.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ARLINGTON HEIGHTS ROAD AND IL ROUTE 72 (HIGGINS ROAD)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

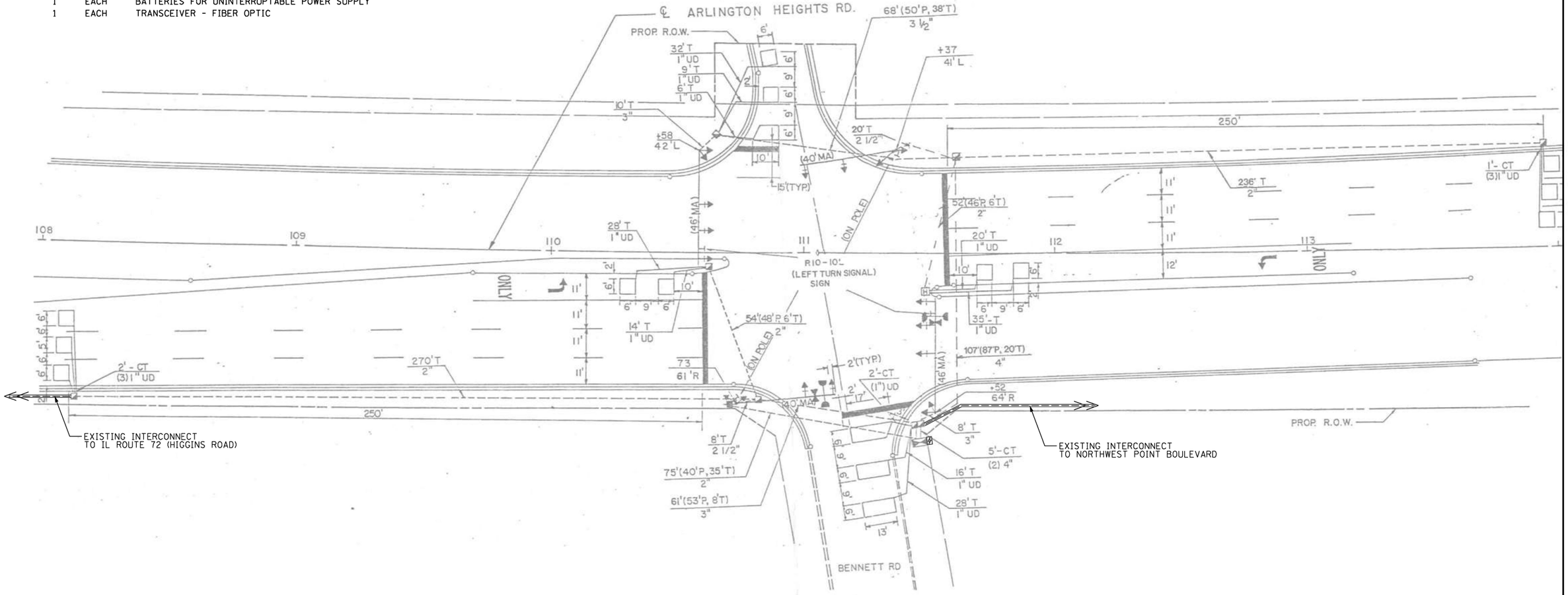
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	35
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1	EACH	CONTROLLER
1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1	EACH	TRANSCEIVER - FIBER OPTIC



LOCATION NO. 9

TS–22235
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 28

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, ALL NOTES CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, ALL NOTES CHECKED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -
EAGLEIN_21_MOD_Arlington-Bennett.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 2/23/2026	DATE -	REVISED -

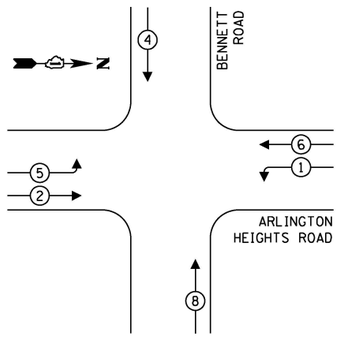
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ARLINGTON HEIGHTS ROAD AND BENNETT ROAD

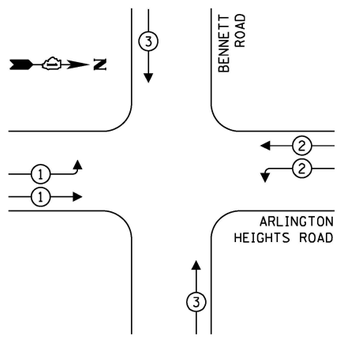
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	36
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

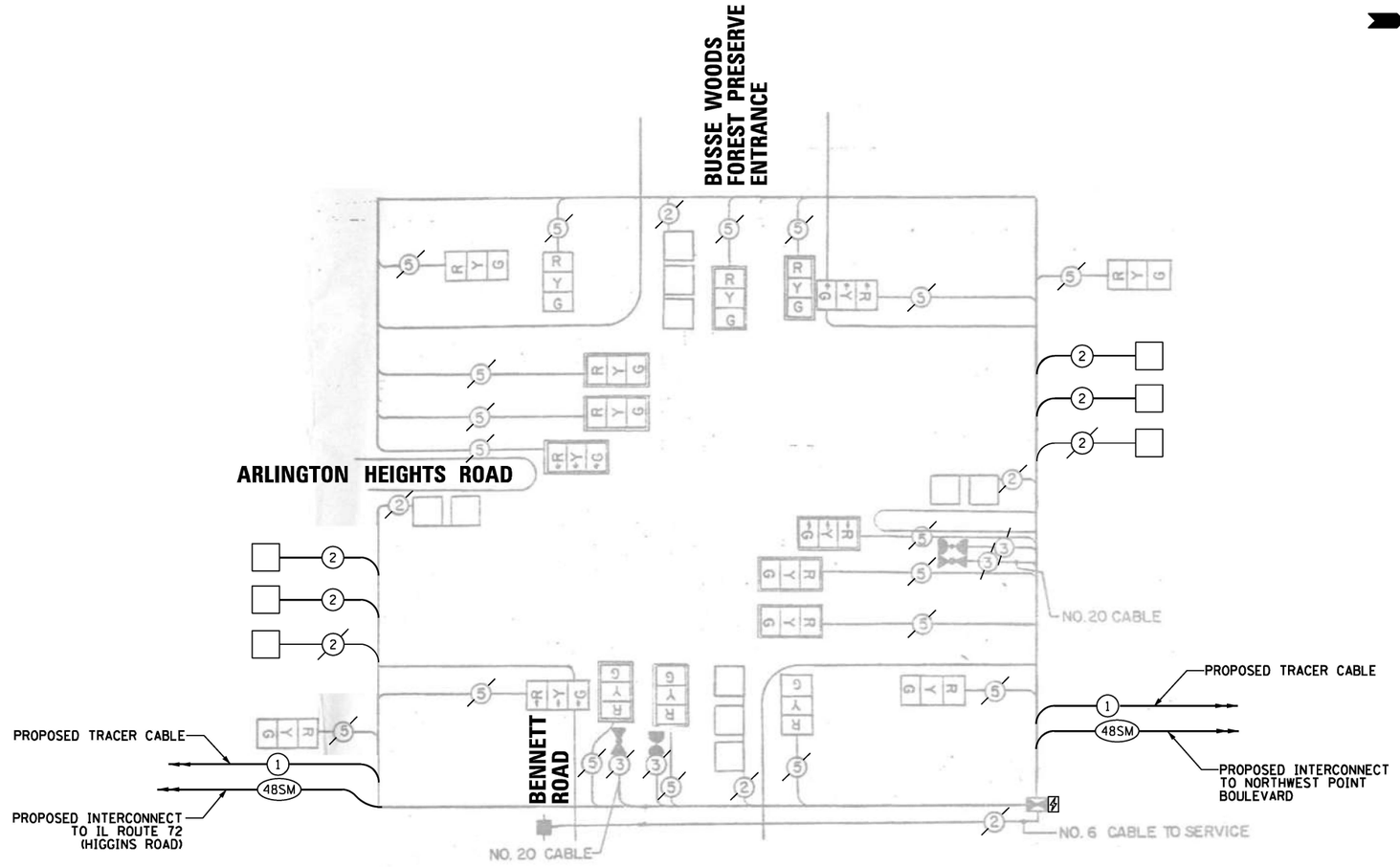
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	18	11	198
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			398
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			1003

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: MARK GLOECK
PHONE: (630) 691-4529
COMPANY: COMED
ACCOUNT NUMBER: ---

TS SHT NO. 29



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1484
INDUCTIVE LOOP DETECTOR	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

LOCATION NO. 9

TS–22235
IDOT TACTICS
FORMER EAGLE 1N

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / AS MARKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

USER NAME = fberiso	DESIGNED - BC	REVISED -	
EAGLE1N_22_CAB_Arlington-Bennett.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ARLINGTON HEIGHTS ROAD AND BENNETT ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	37
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

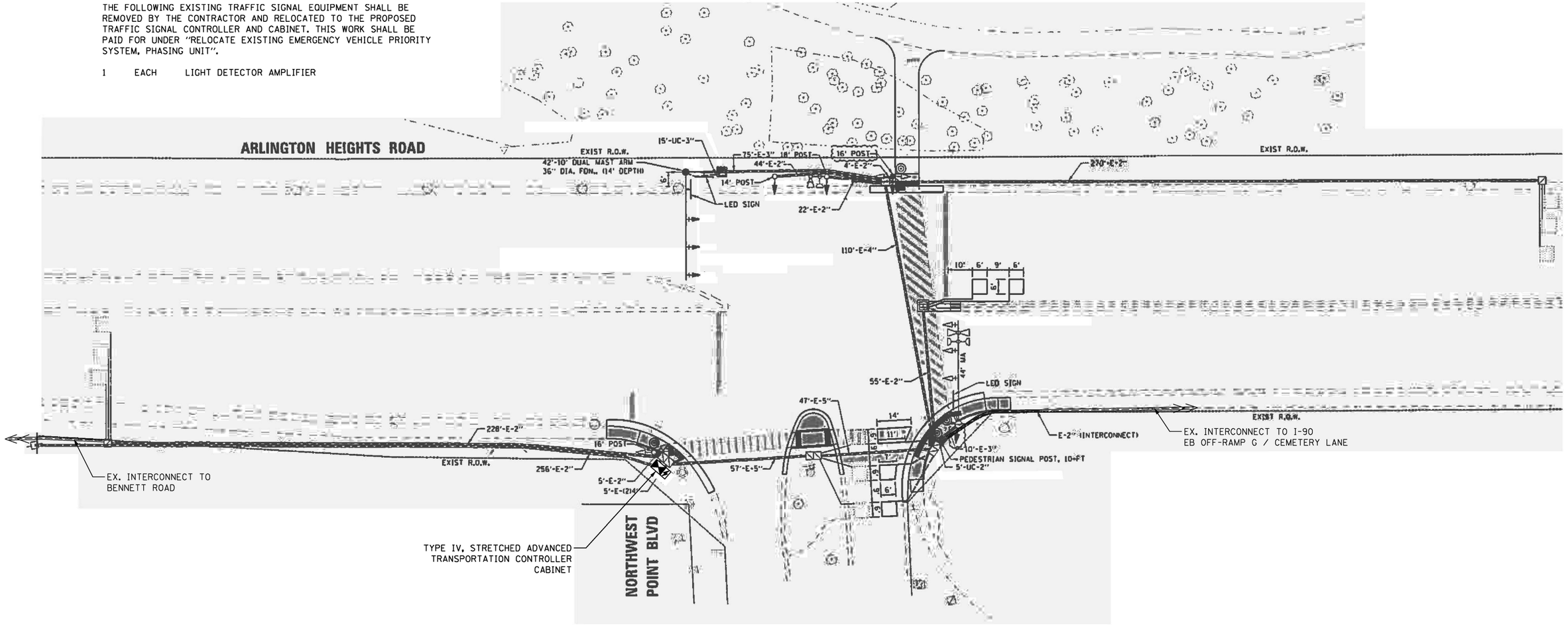
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER



TS SHT NO. 30

TS–11320
IDOT TACTICS
FORMER EAGLE 1N

LOCATION NO. 8

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarlso	DESIGNED - BC	REVISED -	
EAGLEIN.23_MOD_Arlington-NW Point..dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ARLINGTON HEIGHTS ROAD AND NORTHWEST POINT BOULEVARD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

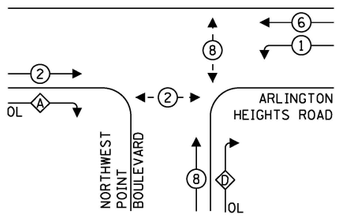
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	38
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTS, STRUCTURE NOTATNS CHKD — NOTE BOOK — NO.

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTS, CADD FILE NAME — NOTE BOOK — NO.

BY | DATE

EXISTING CONTROLLER SEQUENCE



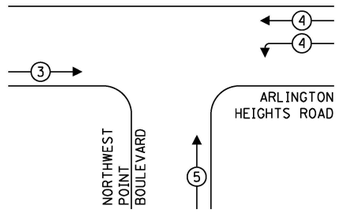
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	8
D	=	8	+	1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



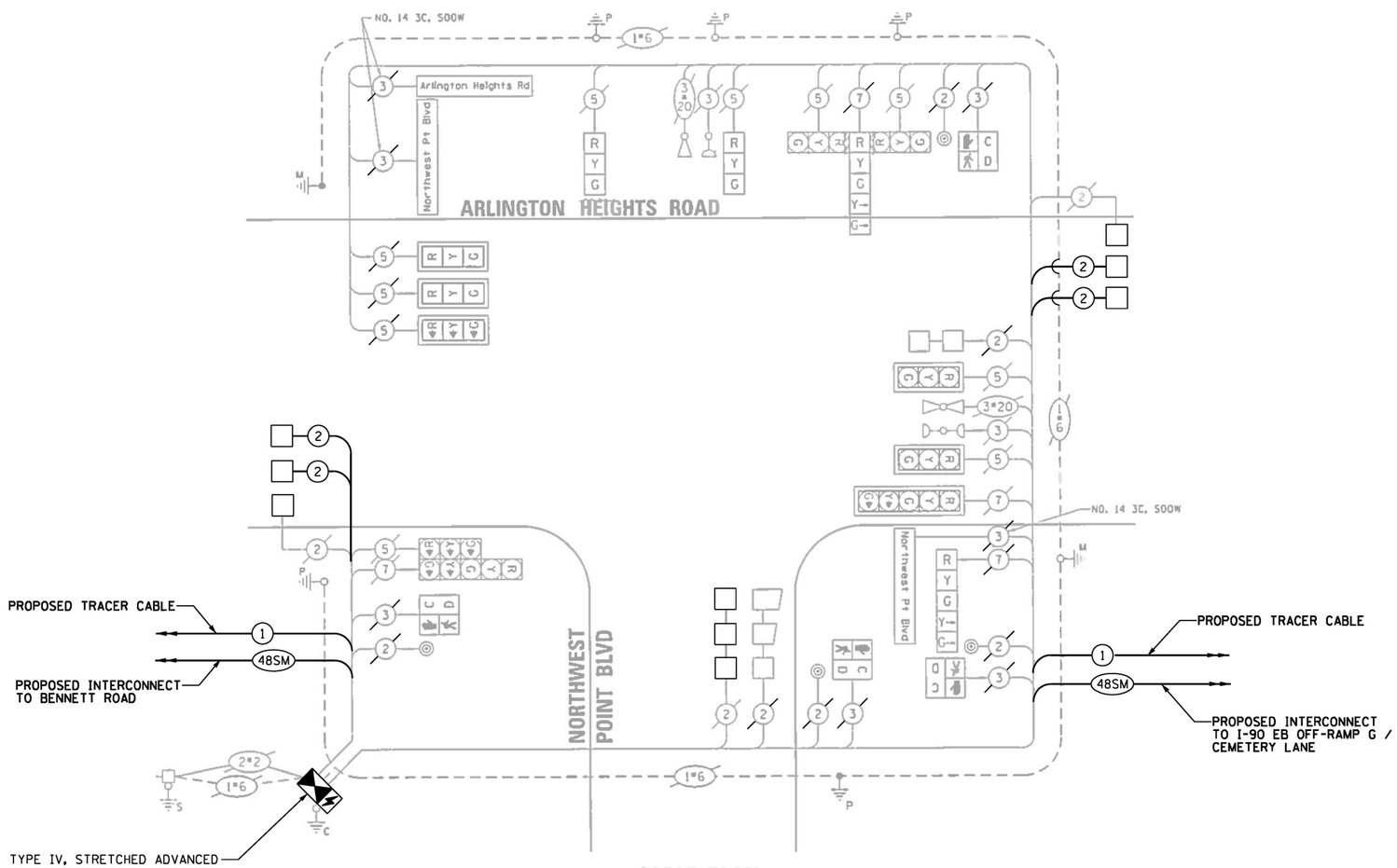
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**422**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	3	120	360
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**1387**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---



CABLE PLAN
NOT TO SCALE

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1606
INDUCTIVE LOOP DETECTOR	EACH	9
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

TS SHT NO. 31

LOCATION NO. 8

TS-11320
IDOT TACTICS
FORMER EAGLE 1N

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, BLANK-OUT SIGNS, STRUCTURE, NOTATIONS, CHK'D, NOTE BOOK, NO., DATE, BY

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, ALL SIGNS INCLUDED, CADD FILE NAME, NOTE BOOK, NO., DATE, BY

USER NAME = fberiso	DESIGNED - BC	REVISED -	
EAGLEIN_24_CAB_Arlington-NW Point..dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ARLINGTON HEIGHTS ROAD AND NORTHWEST POINT BOULEVARD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	39
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

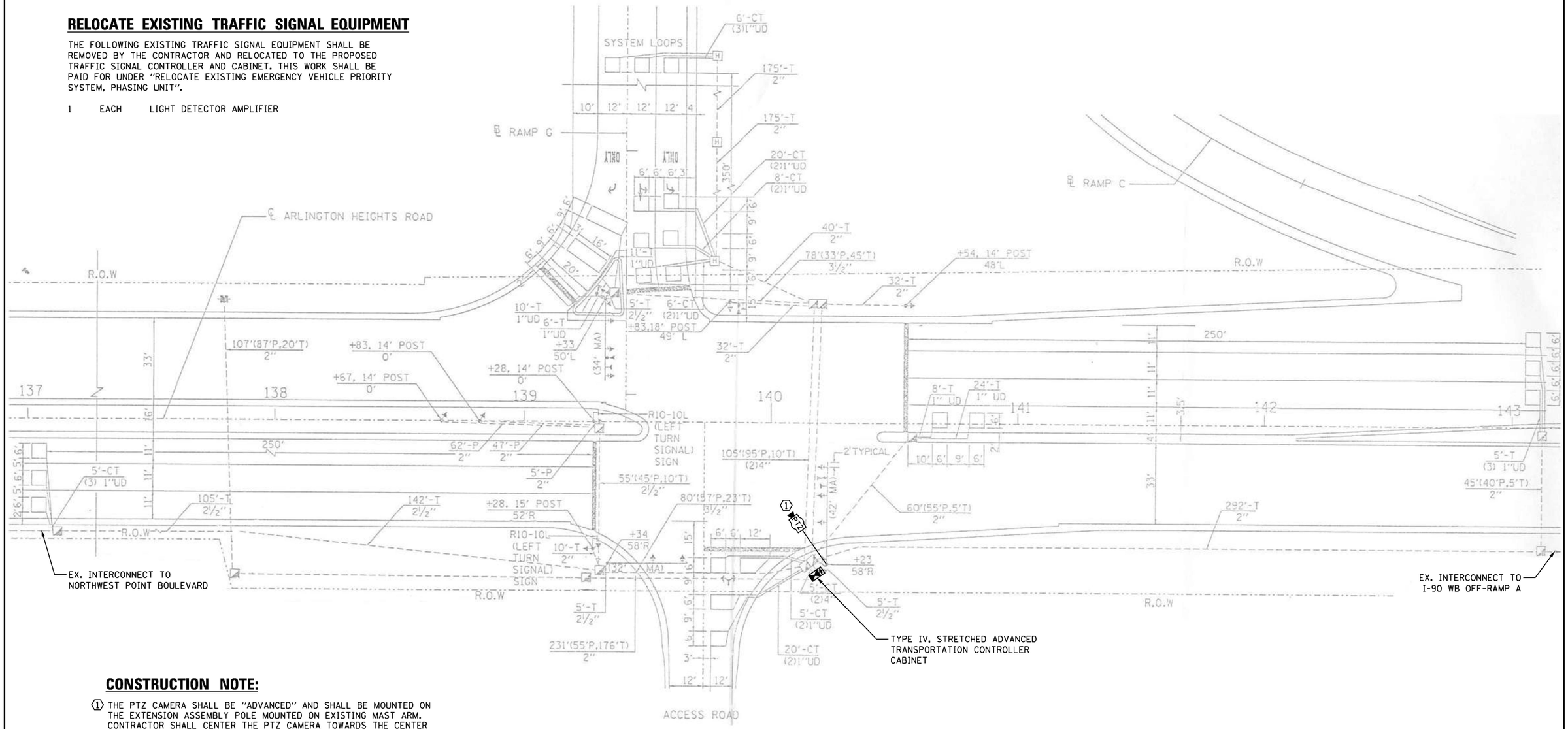
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER



CONSTRUCTION NOTE:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

TS SHT NO. 32

TS-2939
IDOT TACTICS
FORMER EAGLE 1N

LOCATION NO. 7

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN_25_MOD_Arlington-I90 EB-Ramp G.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

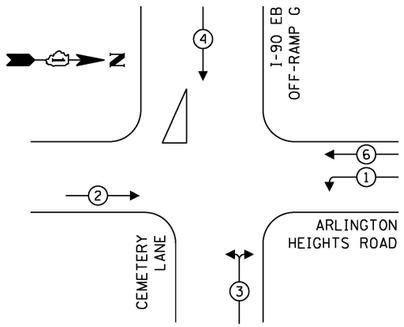
TRAFFIC SIGNAL MODIFICATION PLAN
ARLINGTON HEIGHTS ROAD AND I-90 EB OFF-RAMP G

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

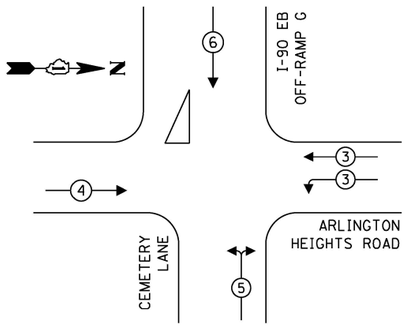
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	40
		CONTRACT NO. 62W82		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

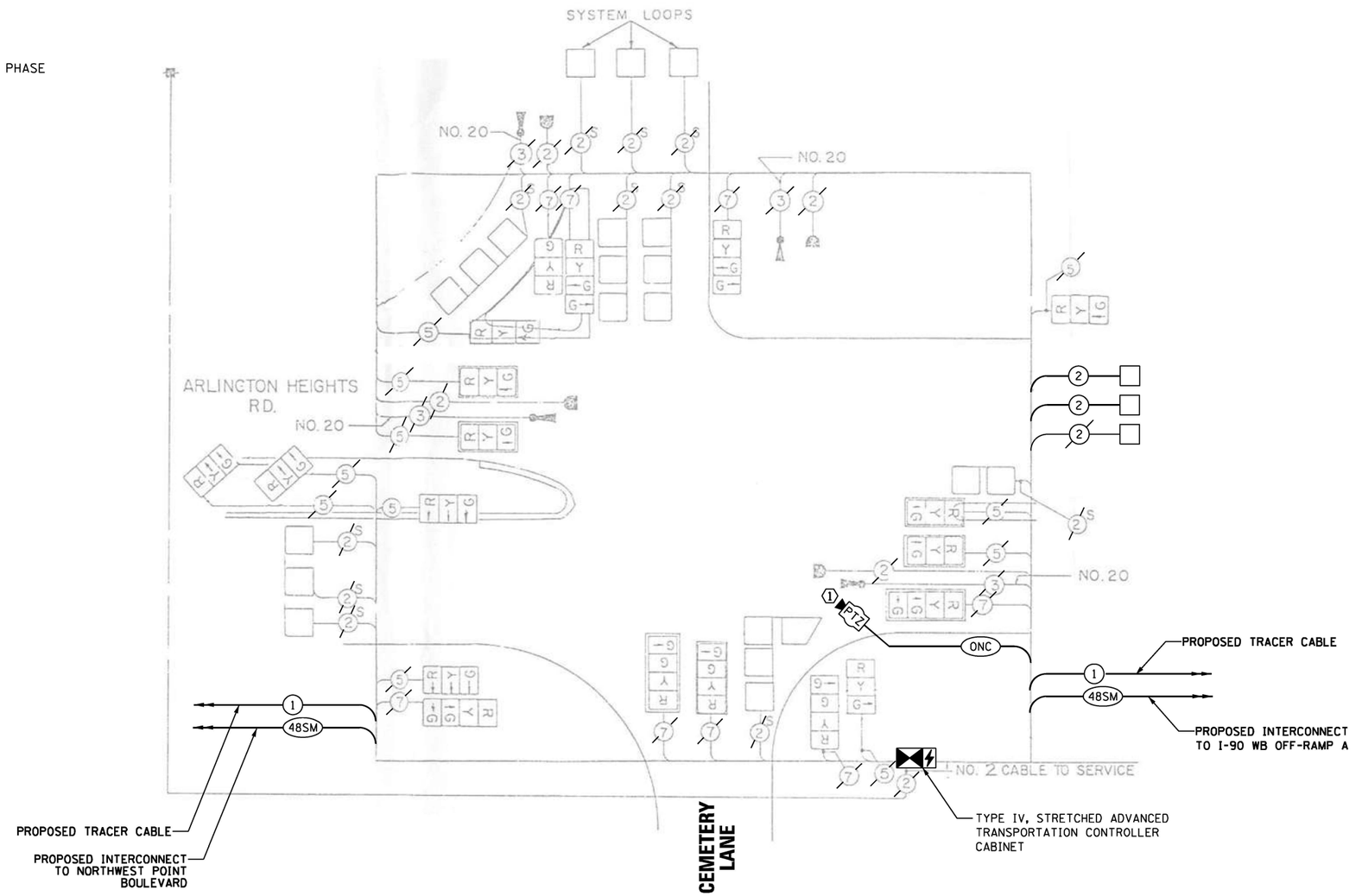
TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	12	11	132
4-SECTION	7	14	98
5-SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**430**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			**1110**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: MARK GLOECK
PHONE: (630) 691-4529
COMPANY: COMED
ACCOUNT NUMBER: ---

I-90 EB OFF-RAMP G



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	762
INDUCTIVE LOOP DETECTOR	EACH	14
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	70
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

LOCATION NO. 7

TS–2939
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 33

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -
EAGLEIN_26_CAB_Arlington-I90 EB-Ramp G.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ARLINGTON HEIGHTS ROAD AND I–90 EB OFF–RAMP G

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	41
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NOTATNS CHK'D — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTED, CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

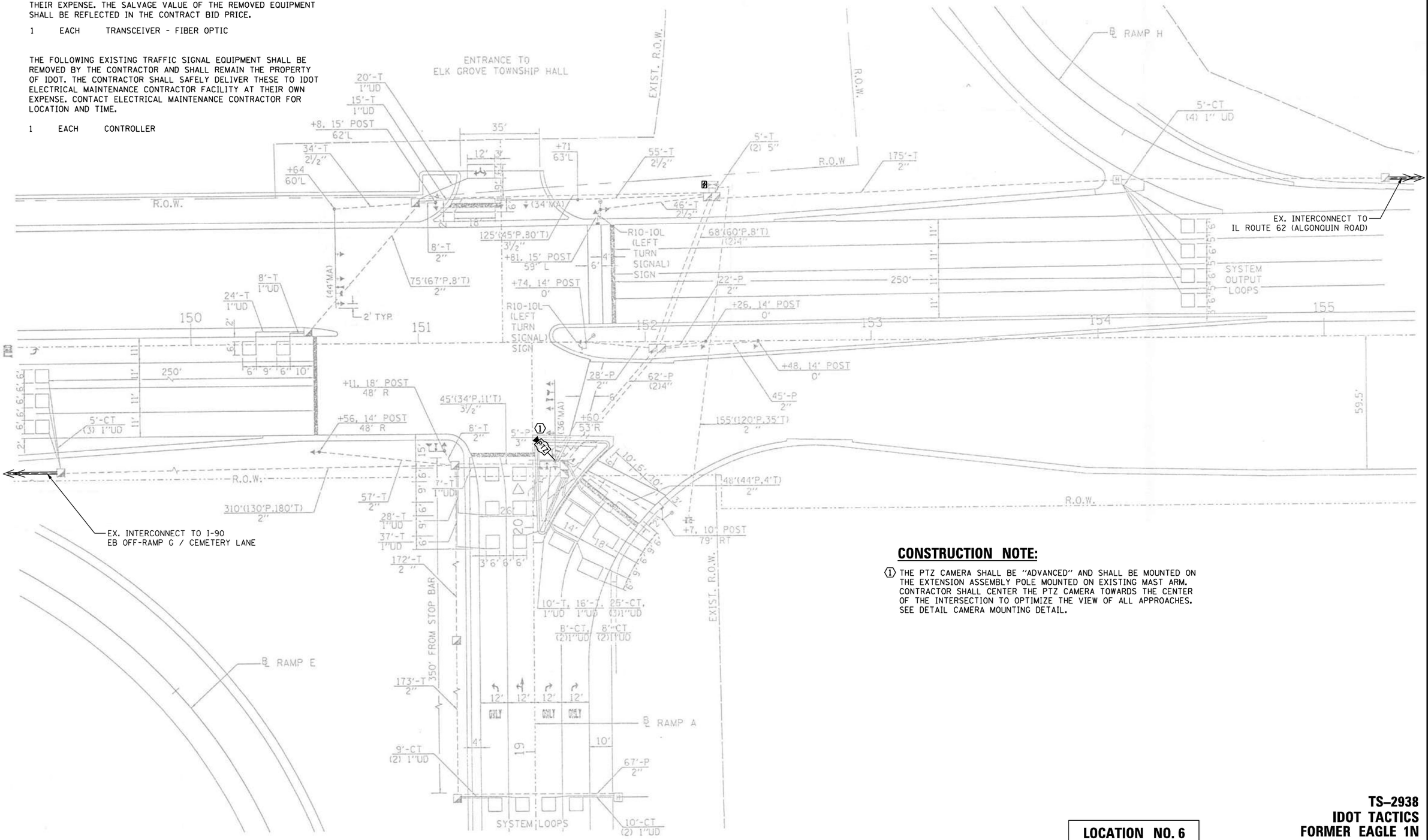
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH TRANSCEIVER - FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER



CONSTRUCTION NOTE:

① THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

LOCATION NO. 6

TS–2938
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 34

PLAN — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NO(S)/PMS CHKD / NOTE BOOK / NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN_27_MOD_Arlington-190 WB-Ramp A.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

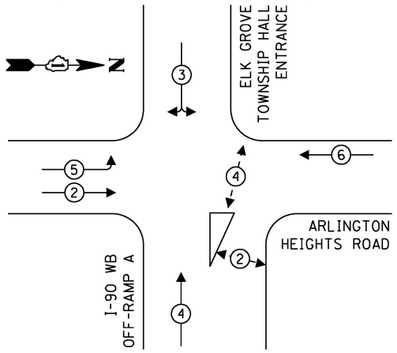
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ARLINGTON HEIGHTS ROAD AND I–90 WB OFF–RAMP A

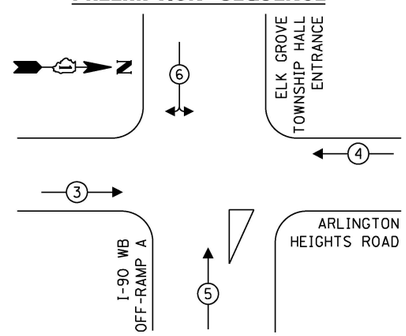
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	42
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

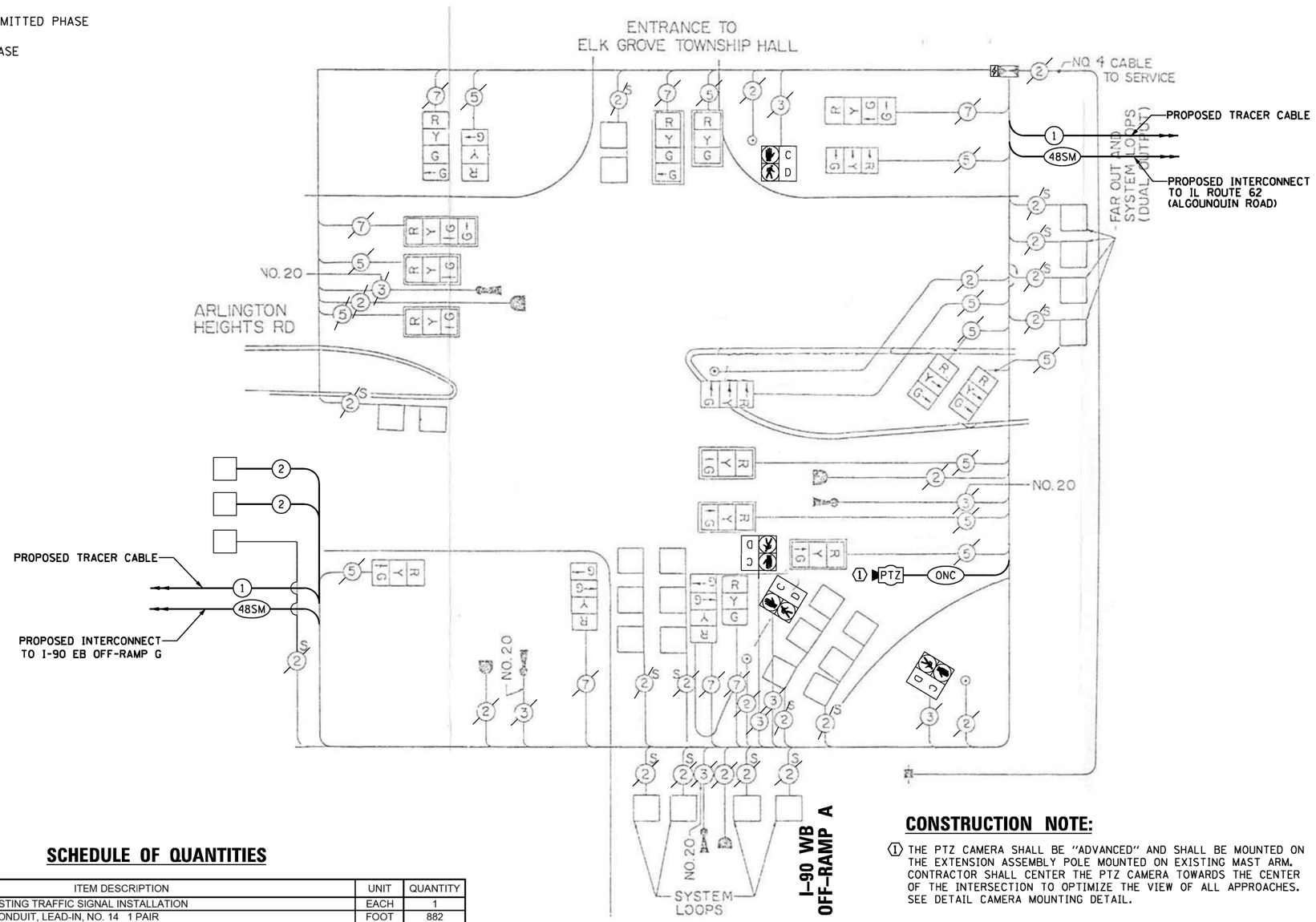
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	13	11	143
4-SECTION	6	14	84
5-SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**487**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			**1167**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: MARK GLOECK
PHONE: (630) 691-4529
COMPANY: COMED
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	882
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	227
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

TS SHT NO. 35

LOCATION NO. 6

TS–2938
IDOT TACTICS
FORMER EAGLE 1N

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	
EAGLE1N_28_CAB_Arlington-I90 WB-Ramp A.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ARLINGTON HEIGHTS ROAD AND I–90 WB OFF–RAMP A

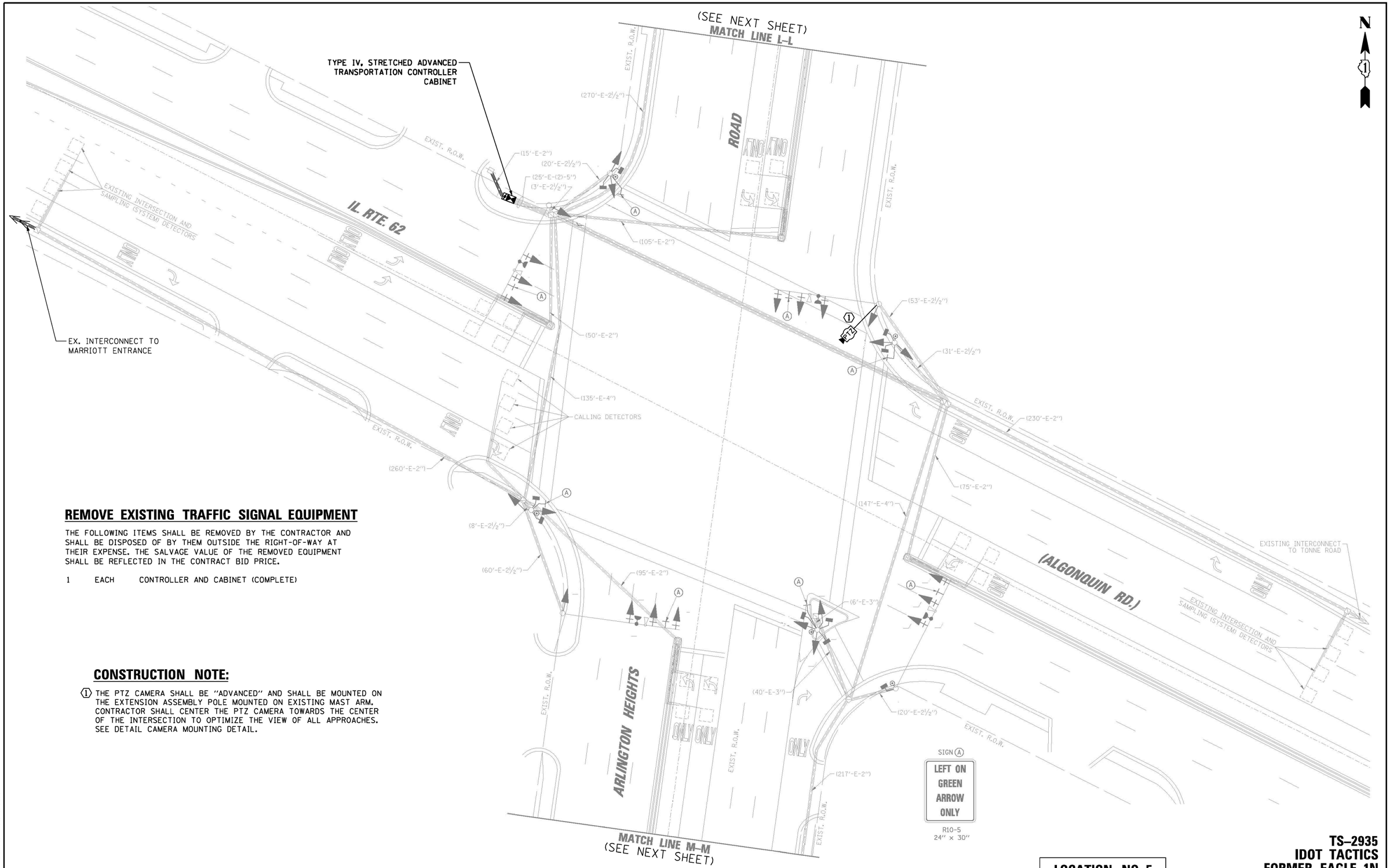
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	43
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PROFILE SURVEYED PLOTTED GRADES CHECKED ALL UTILITIES NOTATED STRUCTURE NOTATIONS CHKD
NOTE BOOK NO.
BY DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN SURVEYED PLOTTED ALIGNMENT CHECKED ALL UTILITIES NOTATED CADD FILE NAME
NOTE BOOK NO.
BY DATE



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1	EACH	CONTROLLER AND CABINET (COMPLETE)

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

LOCATION NO. 5

TS–2935
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 36

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R.O.W. STAKED / STRUCTURE NOTATNS CHKD — NOTE BOOK ____ NO. ____

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O.W. STAKED / CADD FILE NAME ____ — NOTE BOOK ____ NO. ____

BY | DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbarise	DESIGNED - BC	REVISED -
	EAGLE1N_29_MOD1_Arlington-Algonquin.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ARLINGTON HEIGHTS ROAD AND IL ROUTE 62 (ALGONQUIN ROAD)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	44
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS SHT NO. 37

PROFILE
NOTE BOOK NO. ____
SURVEYED ____
PLOTTED ____
GRADES CHECKED ____
B.M. NOTED ____
STRUCTURE NOTAT'NS CH'KD ____
BY ____ DATE ____

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN
NOTE BOOK NO. ____
SURVEYED ____
PLOTTED ____
ALIGNMENT CHECKED ____
RT. OF WAY CHECKED ____
CADD FILE NAME ____
BY ____ DATE ____

TS-2935
IDOT TACTICS
FORMER EAGLE 1N

LOCATION NO. 5

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN.30.MOD2.Arlington-Algonquin.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

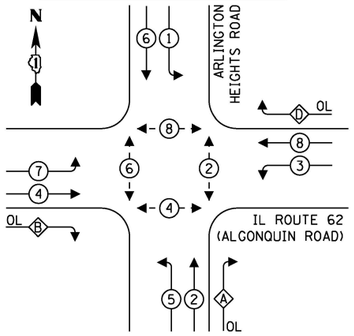
TRAFFIC SIGNAL MODIFICATION PLAN
ARLINGTON HEIGHTS ROAD AND IL ROUTE 62 (ALGONQUIN ROAD)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

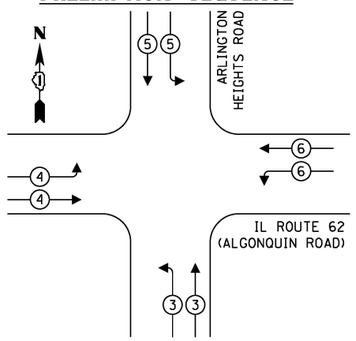
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	45
		CONTRACT NO. 62W82		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
D	=	8	+	1

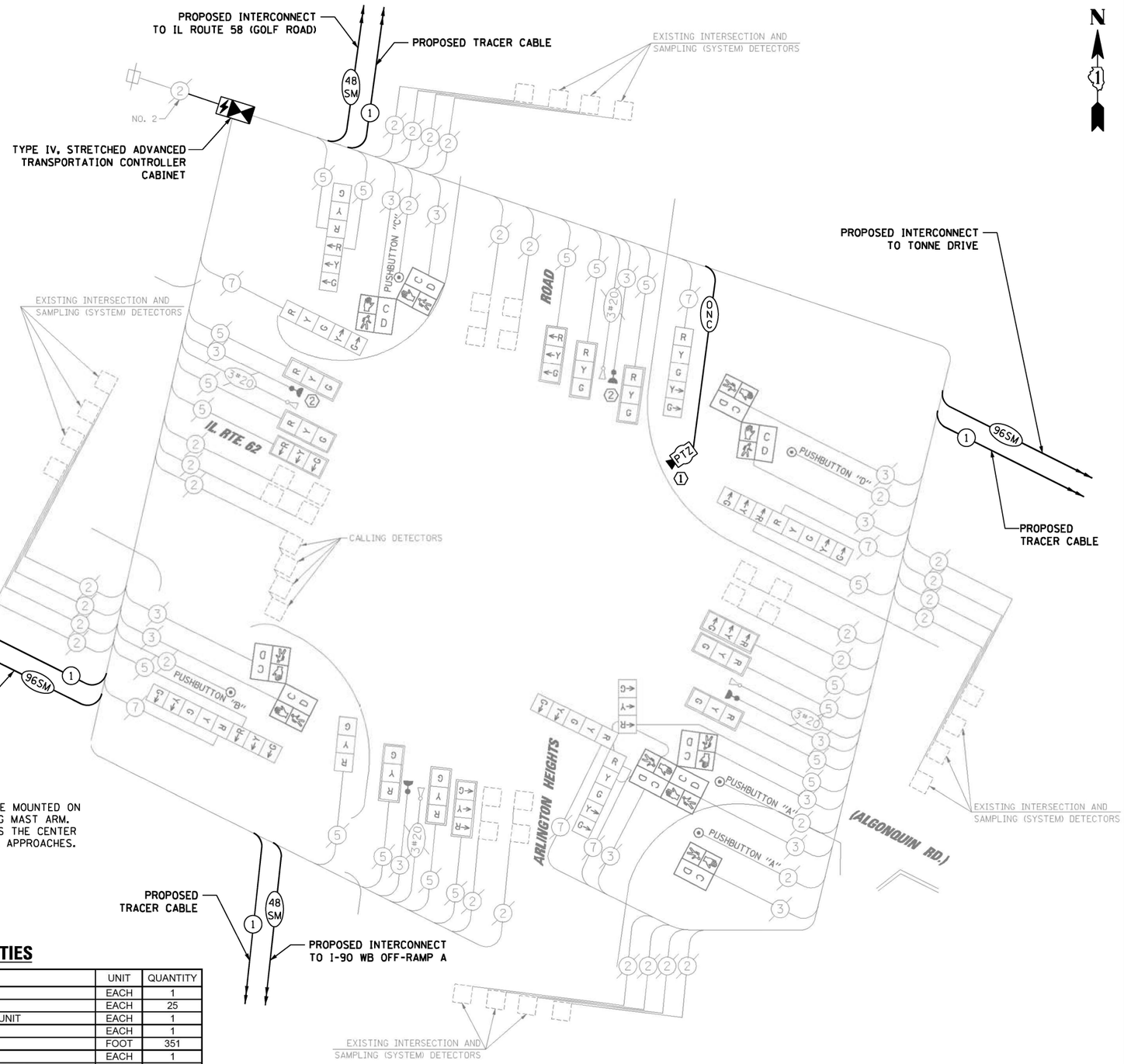
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	18	11	198
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	10	15	150
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**626**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			**1306**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: MARK GLOECK
PHONE: (630) 691-4529
COMPANY: COMED
ACCOUNT NUMBER: ---



CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	25
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	351
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, DISTRIBUTION	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

CABLE PLAN
(NOT TO SCALE)

LOCATION NO. 5

TS–2935
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 38

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, STRUCTURE NO(S)/TYPE/S CHK'D, NOTE BOOK, NO.
PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, CADD FILE NAME, NOTE BOOK, NO.
BY, DATE

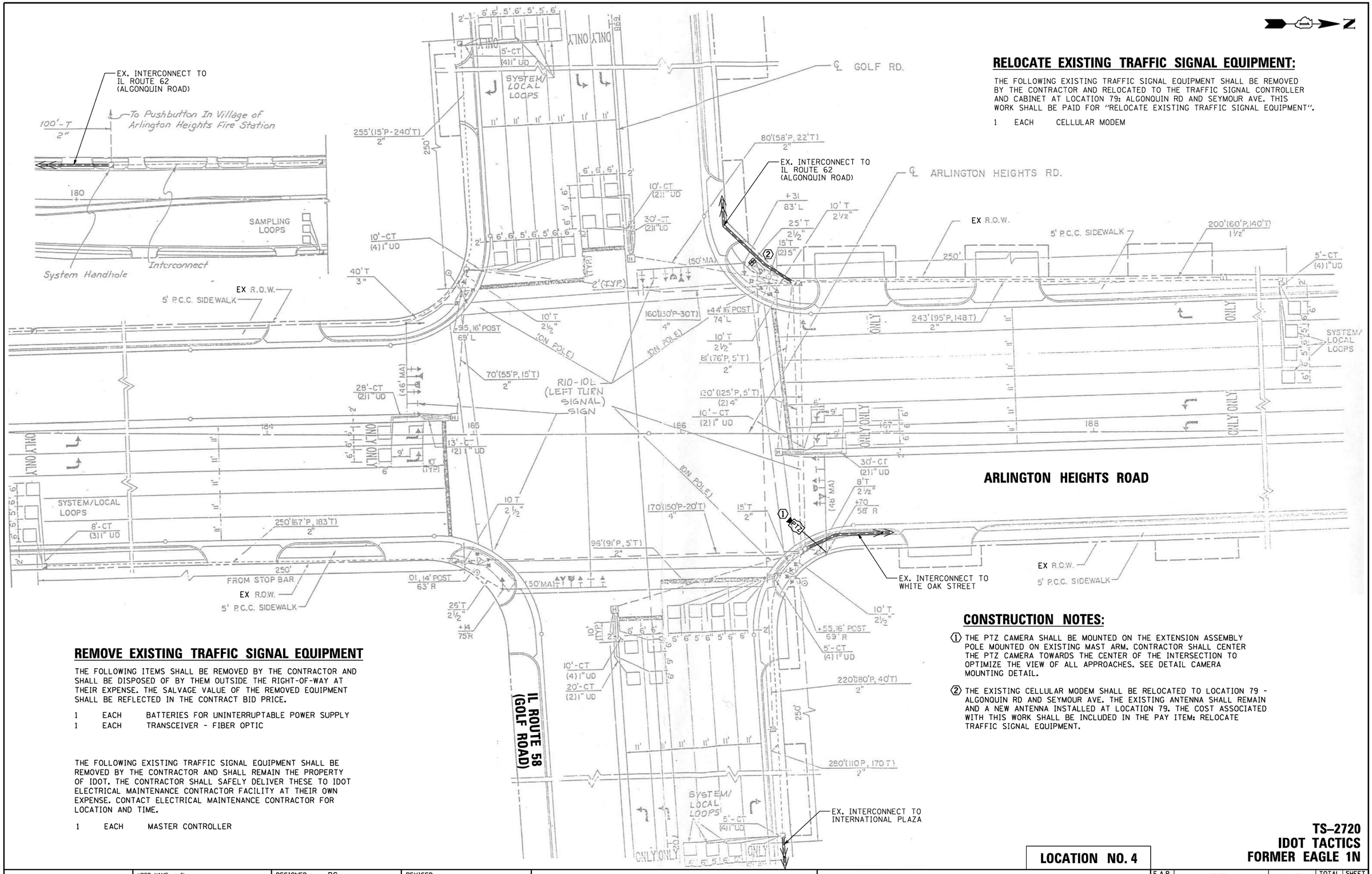
USER NAME = fbarlso	DESIGNED - BC	REVISED -	
EAGLE1N_31_CAB_Arlington-Algonquin.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ARLINGTON HEIGHTS ROAD AND IL ROUTE 62 (ALGONQUIN ROAD)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	46
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT:

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE TRAFFIC SIGNAL CONTROLLER AND CABINET AT LOCATION 79: ALGONQUIN RD AND SEYMOUR AVE. THIS WORK SHALL BE PAID FOR "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1 EACH CELLULAR MODEM

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1 EACH TRANSCEIVER - FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH MASTER CONTROLLER

CONSTRUCTION NOTES:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

2. THE EXISTING CELLULAR MODEM SHALL BE RELOCATED TO LOCATION 79 - ALGONQUIN RD AND SEYMOUR AVE. THE EXISTING ANTENNA SHALL REMAIN AND A NEW ANTENNA INSTALLED AT LOCATION 79. THE COST ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE PAY ITEM: RELOCATE TRAFFIC SIGNAL EQUIPMENT.

LOCATION NO. 4

TS–2720
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 39

PROFILE | SURVEYED | PLOTTED | GRADES CHECKED | ALL NOTES CHKD | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. | BY | DATE

PLAN | SURVEYED | PLOTTED | ALIGNMENT CHECKED | ALL NOTES CHKD | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

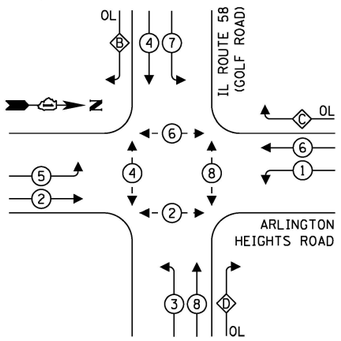
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	EAGLE1N_32_MOD_Arlington-Golf.dgn	DRAWN - FPB	REVISED -	
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
	PLOT DATE = 3/20/2026	DATE -	REVISED -	

TRAFFIC SIGNAL MODIFICATION PLAN
ARLINGTON HEIGHTS ROAD AND IL ROUTE 58 (GOLF ROAD)

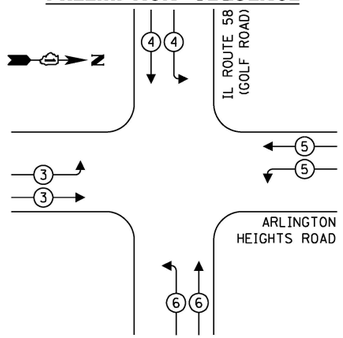
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	47
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



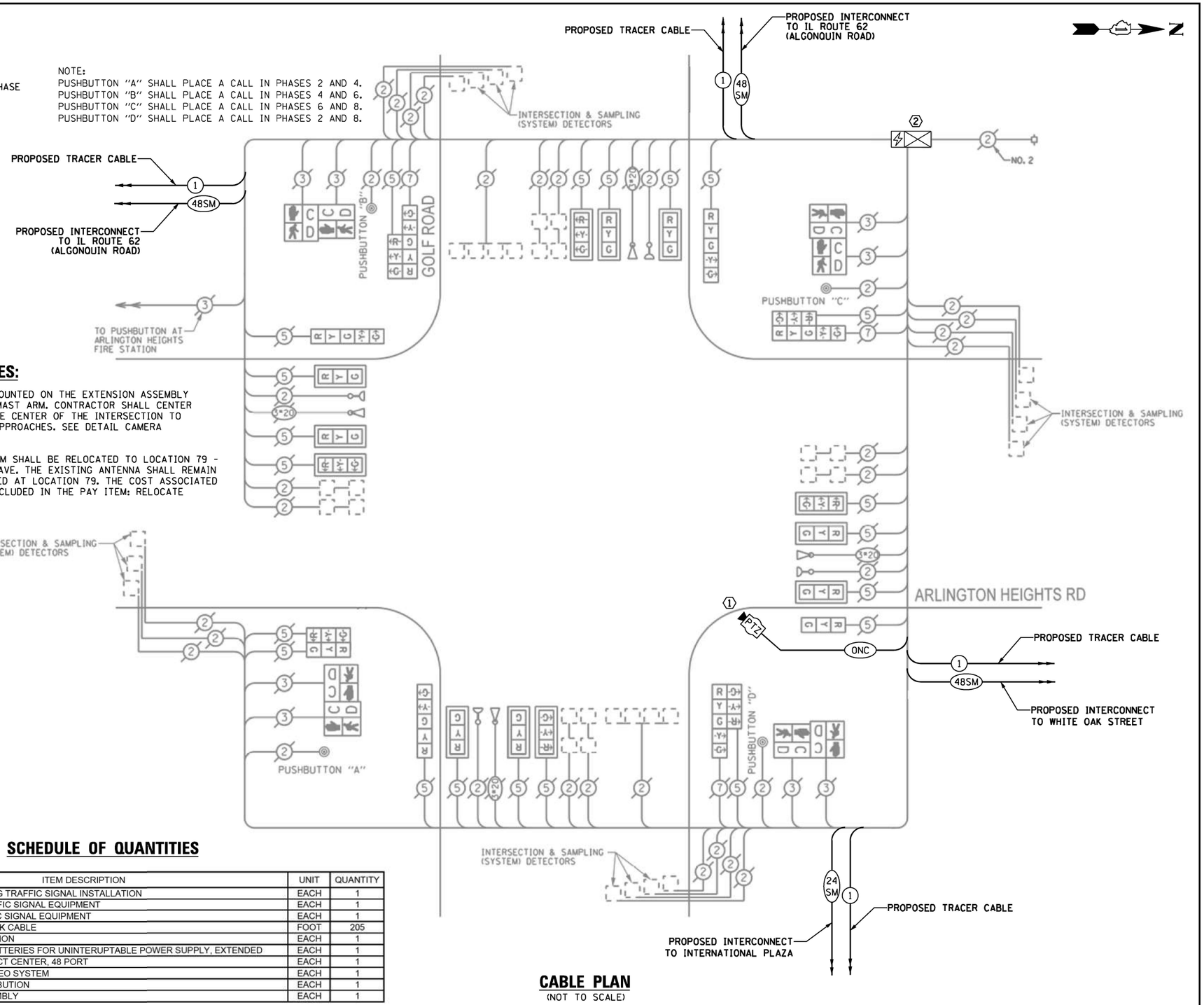
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

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



CONSTRUCTION NOTES:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.
2. THE EXISTING CELLULAR MODEM SHALL BE RELOCATED TO LOCATION 79 - ALGONQUIN RD AND SEYMOUR AVE. THE EXISTING ANTENNA SHALL REMAIN AND A NEW ANTENNA INSTALLED AT LOCATION 79. THE COST ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE PAY ITEM: RELOCATE TRAFFIC SIGNAL EQUIPMENT.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	18	11	198
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	1	100	100
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	1	15	15
TOTAL SERVICE WIRE SIZING			**611**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			**1291**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: MARK GLOECK
PHONE: (630) 691-4529
COMPANY: COMED
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	205
TACTICS LICENSE EXPANSION	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, DISTRIBUTION	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

CABLE PLAN
(NOT TO SCALE)

LOCATION NO. 4

TS–2720
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 40

PROFILE SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ NOTE BOOK ___ NO. ___
BY DATE
STRUCTURE NO(S)/NOS CHKD
SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ ALL AS BUILT ___ CADD FILE NAME ___

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbarlso	DESIGNED - BC	REVISED -
	EAGLEIN_33_CAB_Arlington-Golf.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ARLINGTON HEIGHTS ROAD AND IL ROUTE 58 (GOLF ROAD)
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	48
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

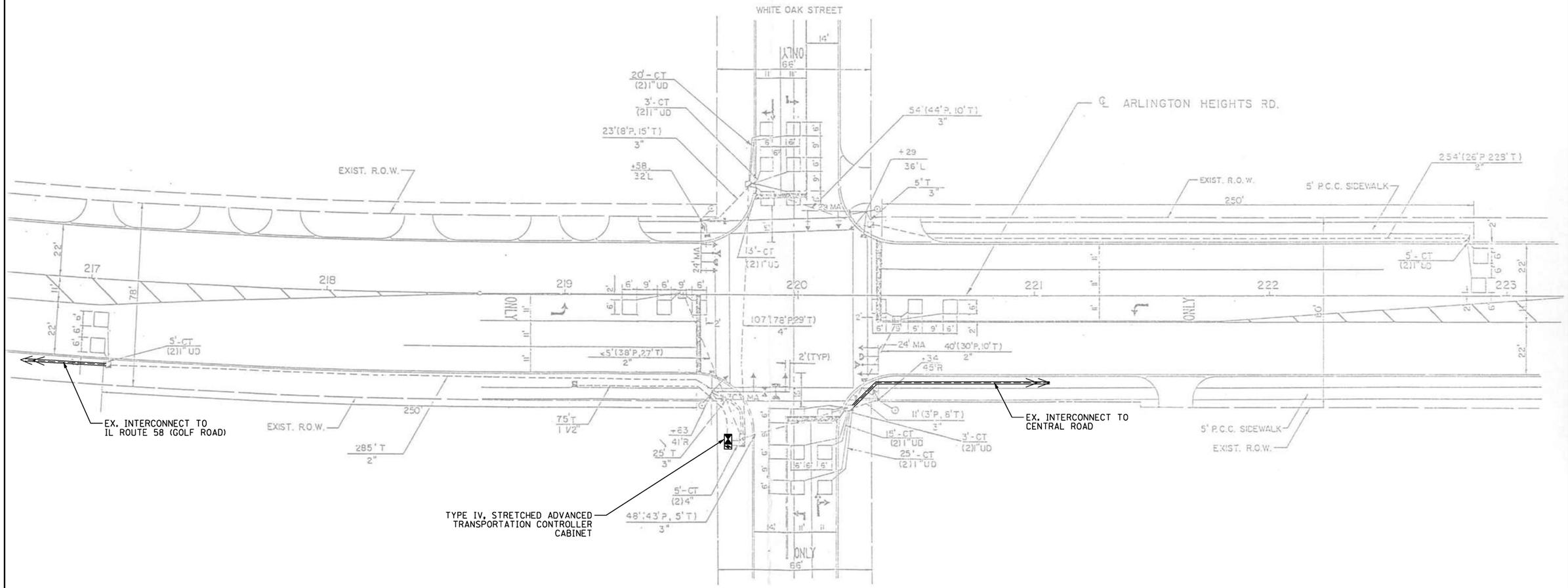
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH CONTROLLER AND CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER



TS SHT NO. 41

PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTAT'NS CH'KD
BY
DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS–12535
IDOT TACTICS
FORMER EAGLE 1N

LOCATION NO. 3

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN_34_MOD_Arlington-White Oak.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

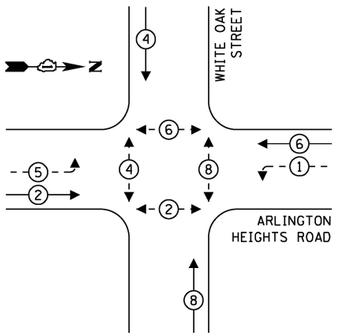
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ARLINGTON HEIGHTS ROAD AND WHITE OAK STREET

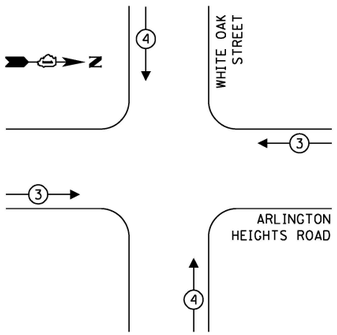
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	49
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE

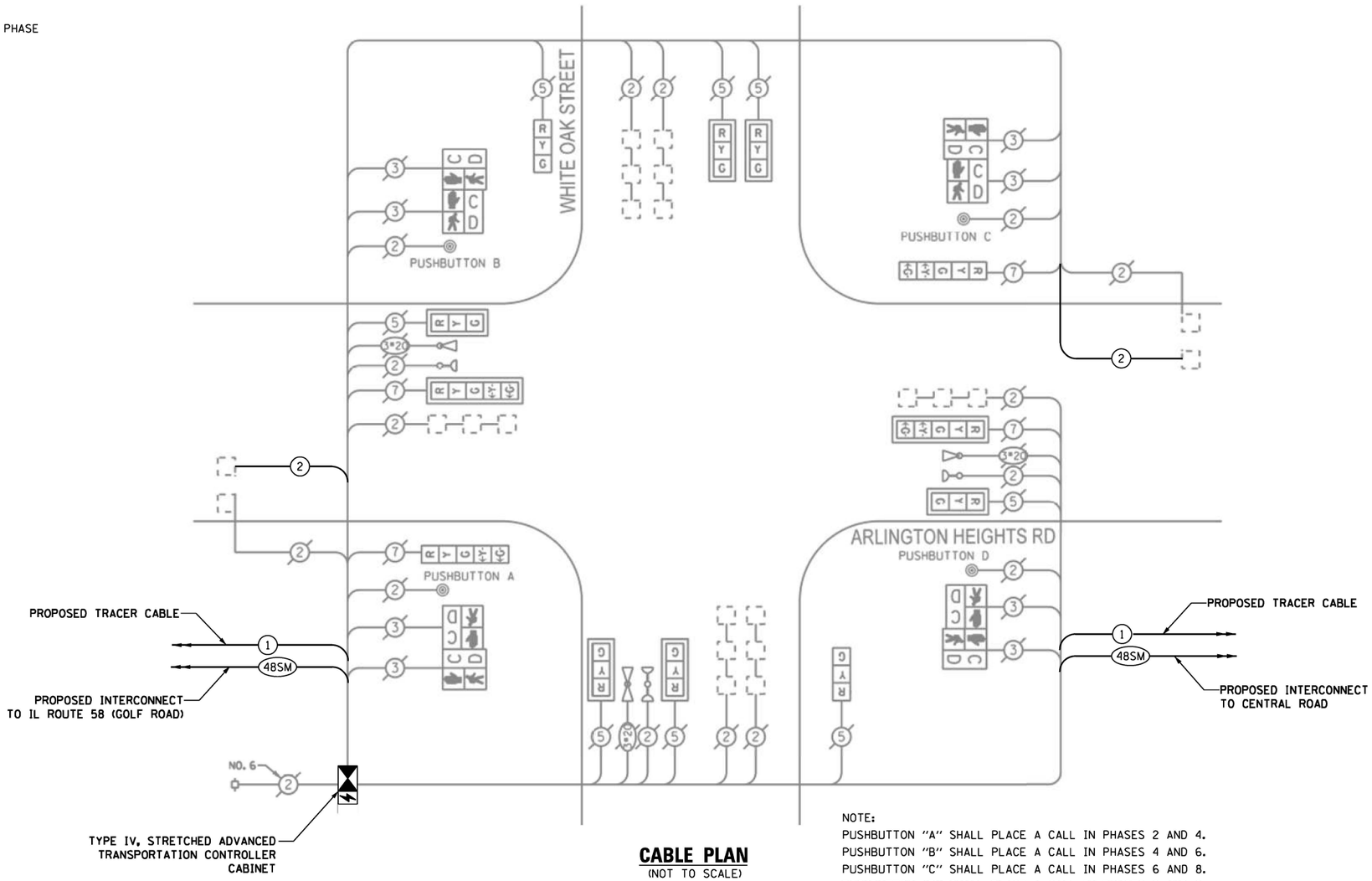


EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP



CABLE PLAN
(NOT TO SCALE)

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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**460**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**1065**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: MARK GLOECK
PHONE: (630) 691-4529
COMPANY: COMED
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	771
INDUCTIVE LOOP DETECTOR	EACH	10
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

LOCATION NO. 3

TS–12535
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 42

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, AS BUILT MARKED, CADD FILE NAME, NOTATNS CHKD, NOTE BOOK, NO.
PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.L.S. NO., STRUCTURE, NOTE BOOK, NO.
BY, DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbarlso	DESIGNED - BC	REVISED -
	EAGLEIN_35_CAB_Arlington-White Oak.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ARLINGTON HEIGHTS ROAD AND WHITE OAK STREET

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	50
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH CABINET (COMPLETE)

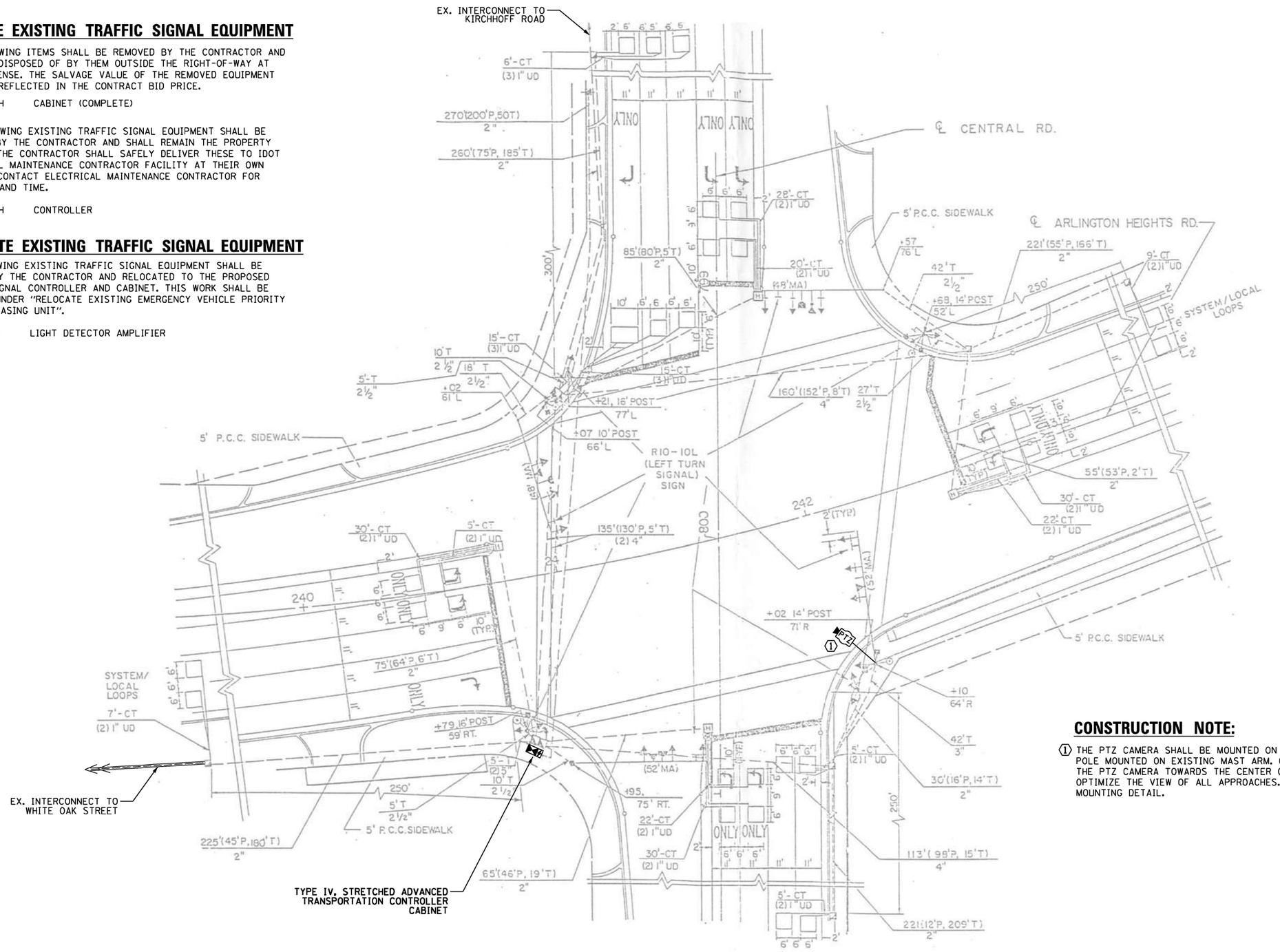
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER



CONSTRUCTION NOTE:

1. THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

TS-12540
IDOT TACTICS
FORMER EAGLE 1N

LOCATION NO. 2

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN_36_MOD_Arlington-Central.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ARLINGTON HEIGHTS ROAD AND CENTRAL ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	51
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

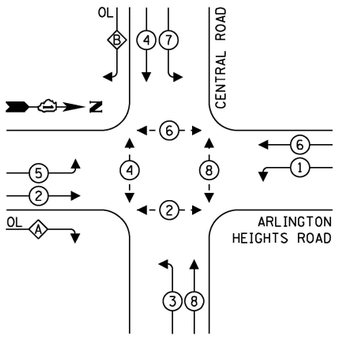
PROFILE: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ B.M. NOTED ___ STRUCTURE NOTAT'NS CH'KD ___ BY ___ DATE ___

PLAN: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ RT. OF WAY CHECKED ___ CADD FILE NAME ___ BY ___ DATE ___

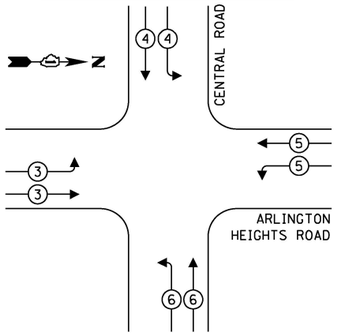
CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

TS SHT NO. 43

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

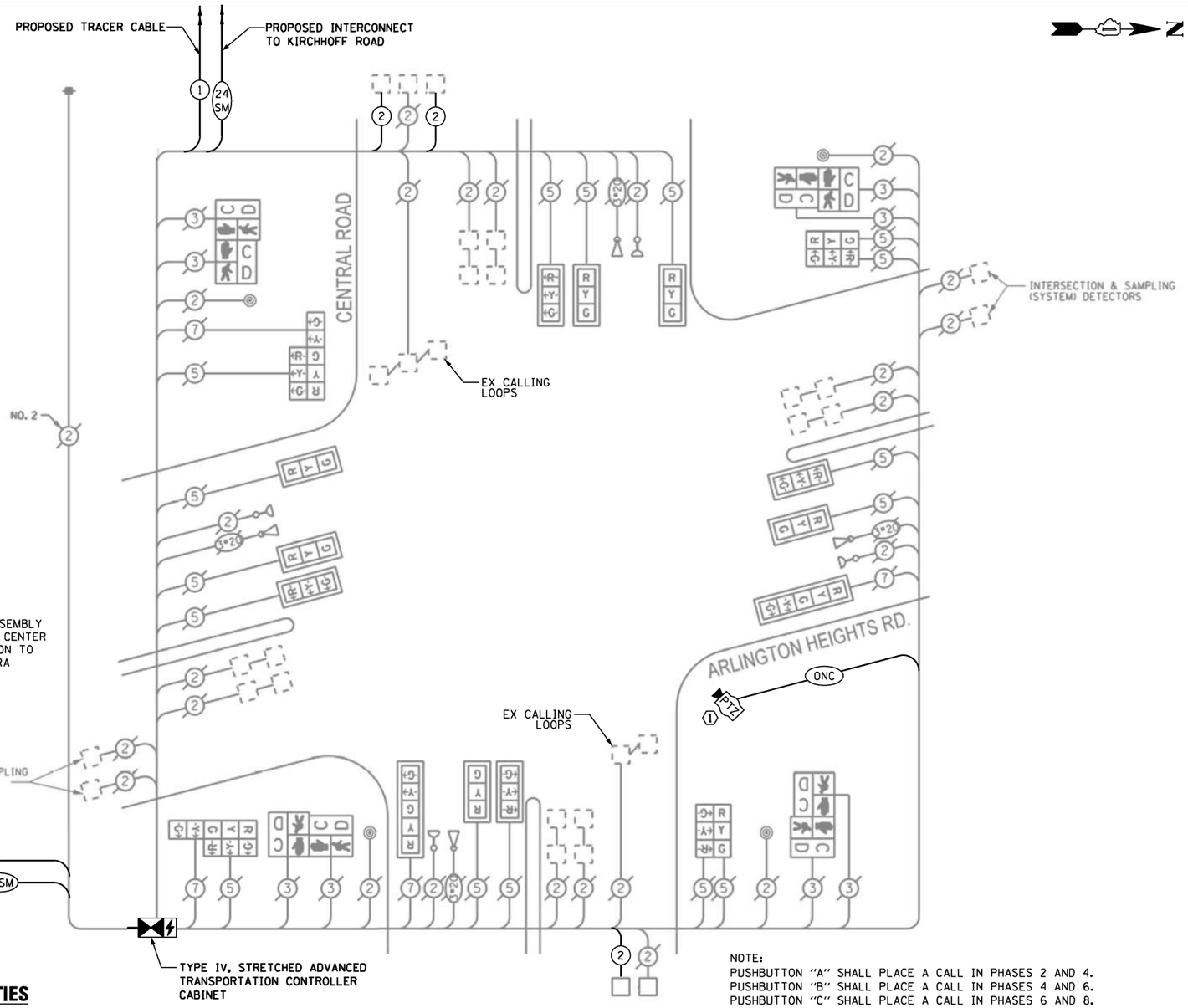
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**548**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING			**1228**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---



CABLE PLAN

(NOT TO SCALE)

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1244
INDUCTIVE LOOP DETECTOR	EACH	19
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	215
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

LOCATION NO. 2

TS–12540
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 44

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: NOTE BOOK ____ NO. ____ | SURVEYED ____ PLOTTED ____ GRADES CHECKED ____ BLANK ____ STRUCTURE ____ | BY ____ | DATE ____
PROFILE: NOTE BOOK ____ NO. ____ | SURVEYED ____ PLOTTED ____ GRADES CHECKED ____ BLANK ____ STRUCTURE ____ | BY ____ | DATE ____

USER NAME = fberiso	DESIGNED - BC	REVISED -	
EAGLEIN_37_CAB_Arlington-Central.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ARLINGTON HEIGHTS ROAD AND CENTRAL ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	52
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

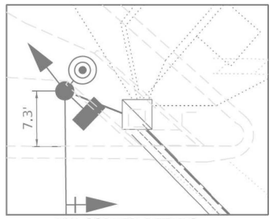
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY

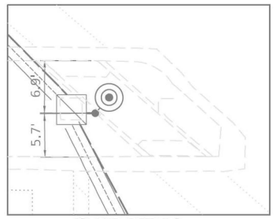
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

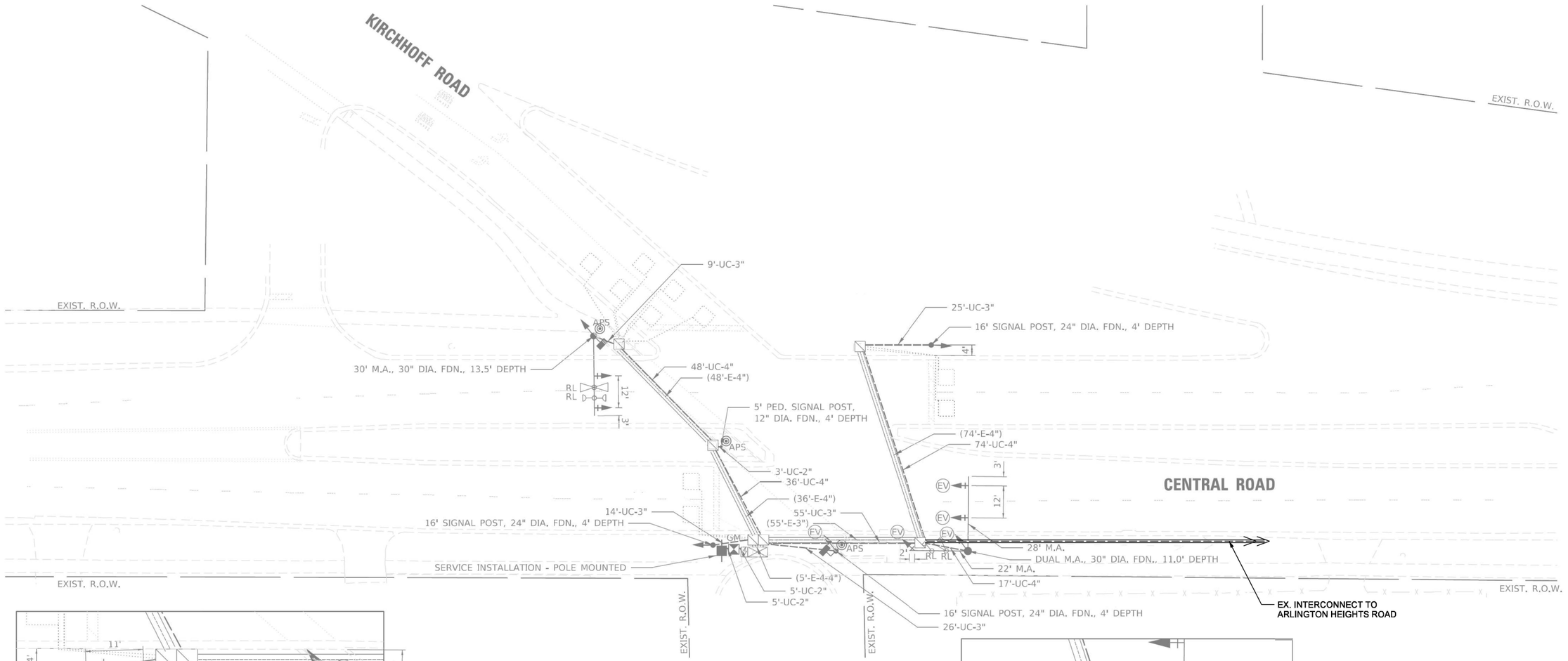
(EV) - EXISTING VISORS ON SIGNAL

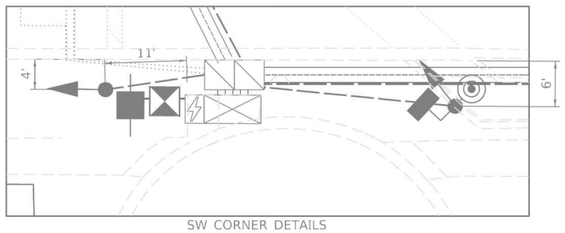


NW CORNER DETAILS
(1" = 10')

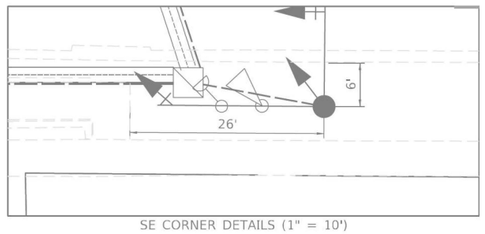


ISLAND DETAILS
(1" = 10')





SW CORNER DETAILS
(1" = 10')



SE CORNER DETAILS (1" = 10')

LOCATION NO. 1

TS–12615
IDOT TACTICS
ZONE EAGLE 1N

TS SHT NO. 45

PROFILE | SURVEYED | BY | DATE
PLAN | PLOTTED
NOTE BOOK | GRADES CHECKED
NO. ____ | BEAM NOTES CHKD
STRUCTURE NOTATNS CHKD

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN_38_MOD_Central-Kirchoff.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

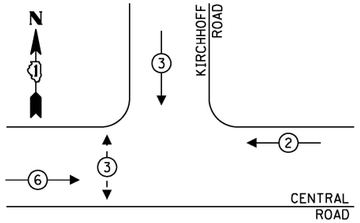
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
CENTRAL ROAD AND KIRCHHOFF ROAD

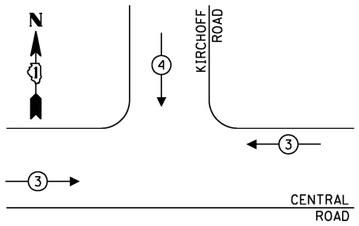
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	53
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE

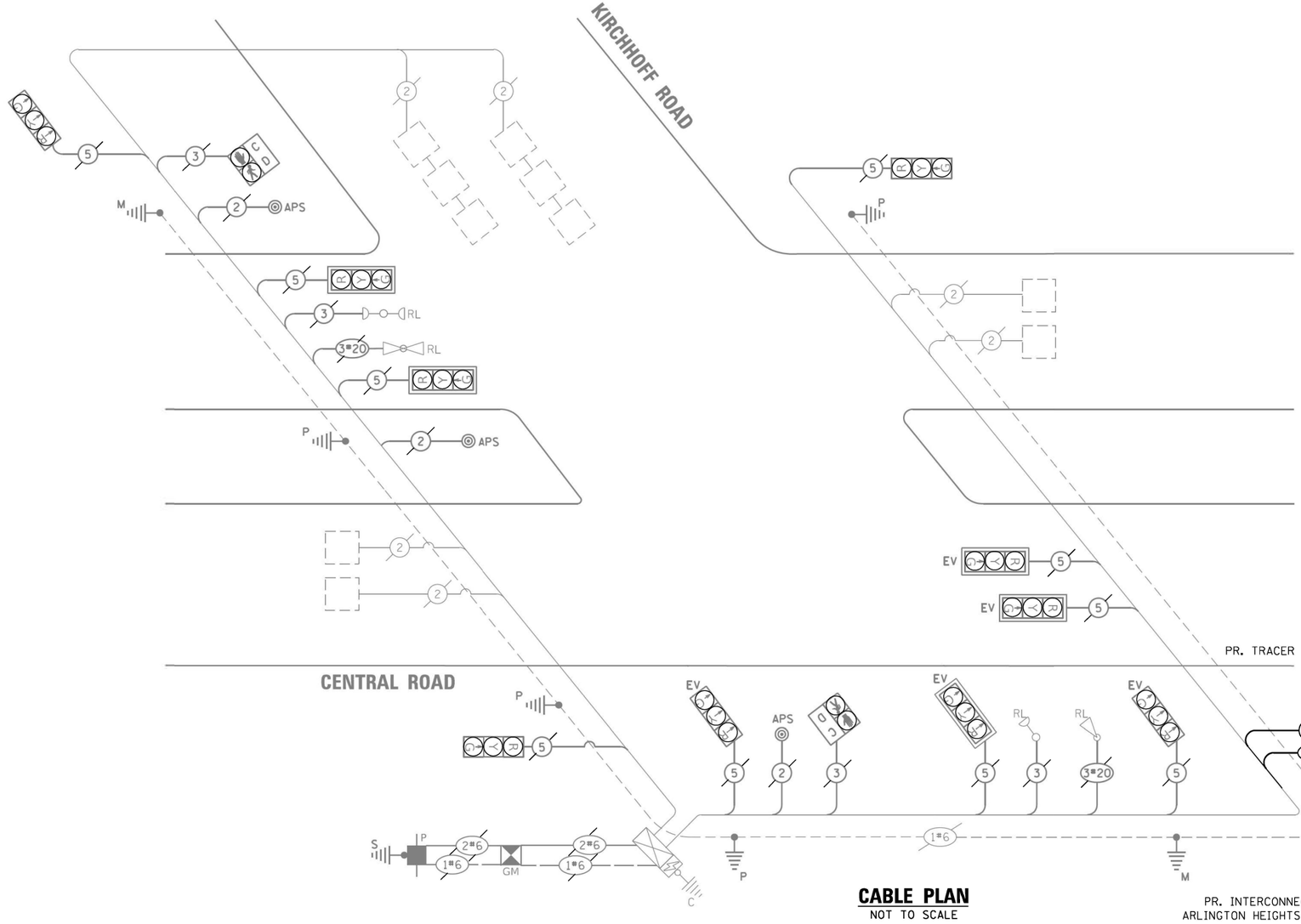


EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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



CABLE PLAN
NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**340**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**945**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPT.
PHONE: 866-639-3532
COMPANY: COMED
ACCOUNT NUMBER: 70162-00461

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

LOCATION NO. 1

TS–12615
IDOT TACTICS
ZONE EAGLE 1N

TS SHT NO. 46

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, STRUCTURE — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarlso	DESIGNED - BC	REVISED -
EAGLEIN_39_CAB_Central-Kirchoff.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

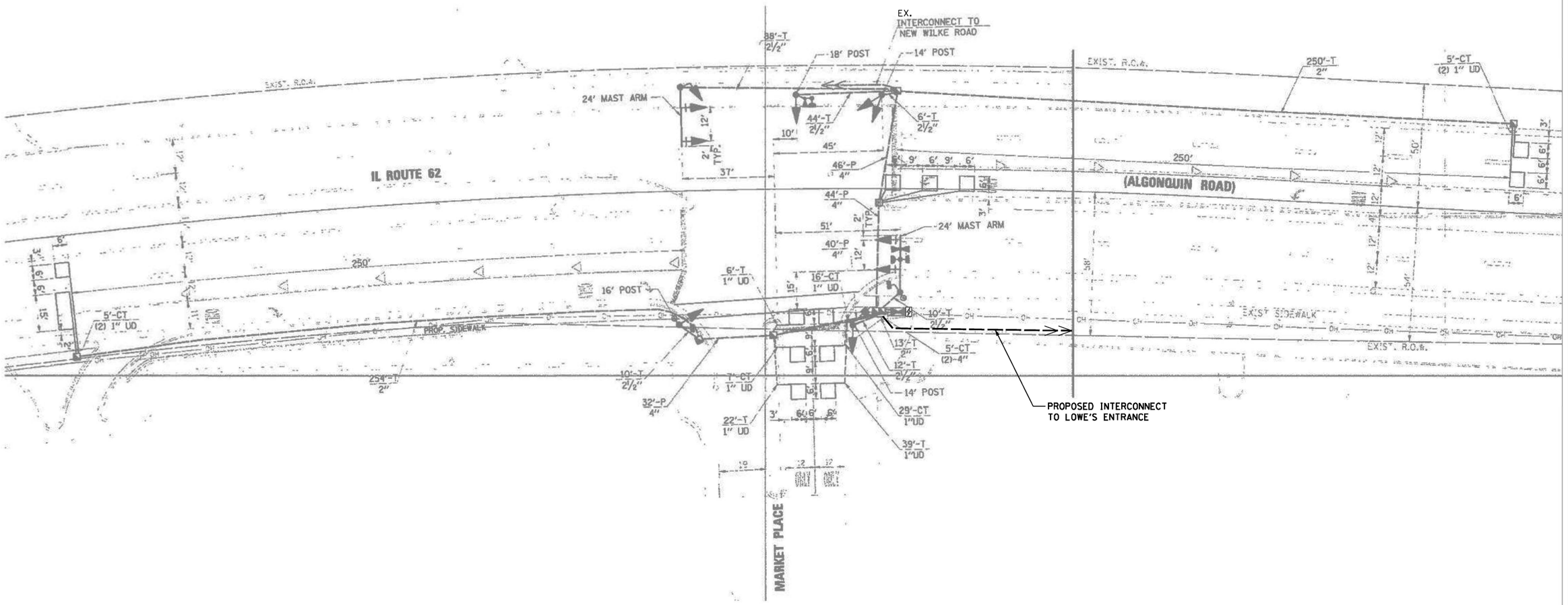
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	54
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

NOTE:

1. THE INTERSECTION WAS PART OF A PREVIOUS IDOT CENTRAL TRAFFIC MANAGEMENT SYSTEM EXPANSION AND ALREADY INCLUDES CENTRACS LICENSE.



TS SHT NO. 47

PROFILE		BY	DATE
NOTE BOOK NO.	SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD		

PLAN		BY	DATE
NOTE BOOK NO.	SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS–2708
IDOT CENTRACS
FORMER ECON 96

LOCATION NO. 19

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN_40_MOD_Algonquin-MarketPlace.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

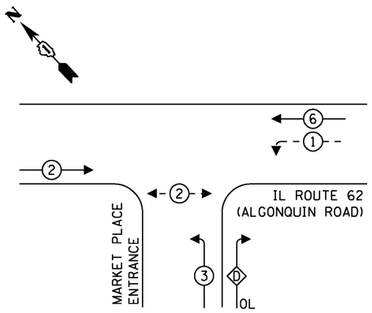
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 62 (ALGONQUIN ROAD) AND MARKET PLACE ENTRANCE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	55
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



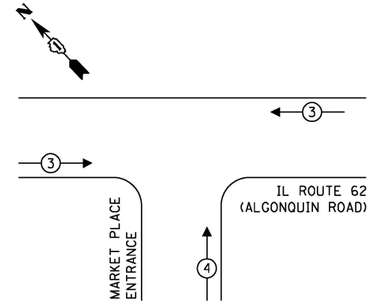
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	3	+	1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**344**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**949**

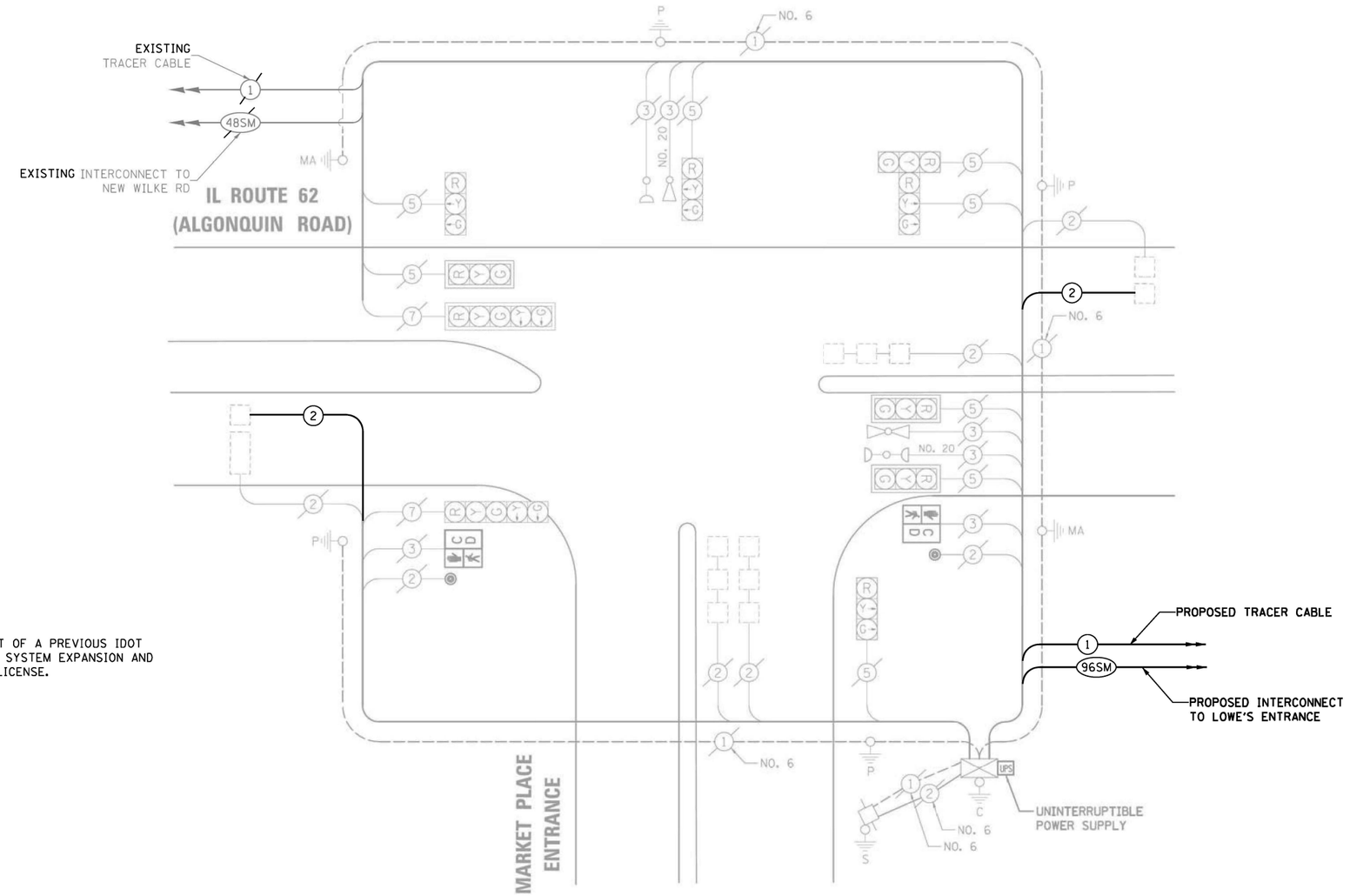
ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---

NOTE:

1. THE INTERSECTION WAS PART OF A PREVIOUS IDOT CENTRAL TRAFFIC MANAGEMENT SYSTEM EXPANSION AND ALREADY INCLUDES CENTRACS LICENSE.



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	750
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
SPLICE FIBER IN CABINET	EACH	48

CABLE PLAN

NOT TO SCALE

LOCATION NO. 19

TS–2708
IDOT CENTRACS
FORMER ECON 96

TS SHT NO. 48

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, BLM NOTES, STRUCTURE NO(Y/N)S, CHK'D, NOTE BOOK, NO.

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, ALIGNMENT MATCHED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = bchavez	DESIGNED - BC	REVISED -
	EAGLEIN_41_CAB_Algonquin-MarketPlace.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 5/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 62 (ALGONQUIN ROAD) AND MARKET PLACE ENTRANCE

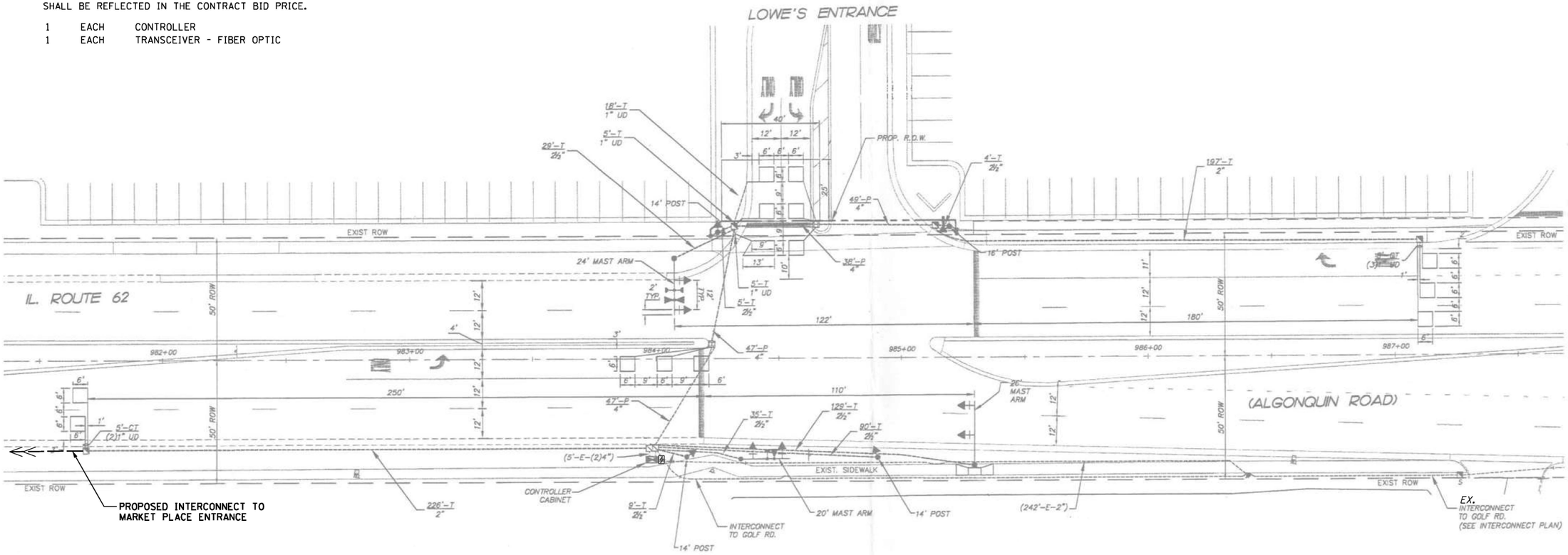
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	56
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER - FIBER OPTIC



TS SHT NO. 49

PLAN — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME ___ — BY — DATE

PROFILE — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS–2707
IDOT TACTICS
FORMER EAGLE 1N

LOCATION NO. 20

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN_42_MOD_Algonquin-Lowes.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

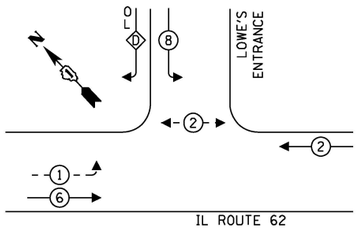
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 62 (ALGONQUIN ROAD) AND LOWE'S ENTRANCE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	57
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



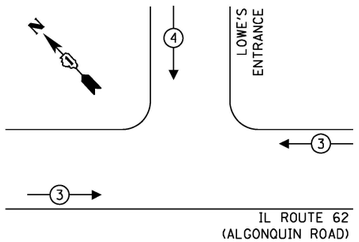
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



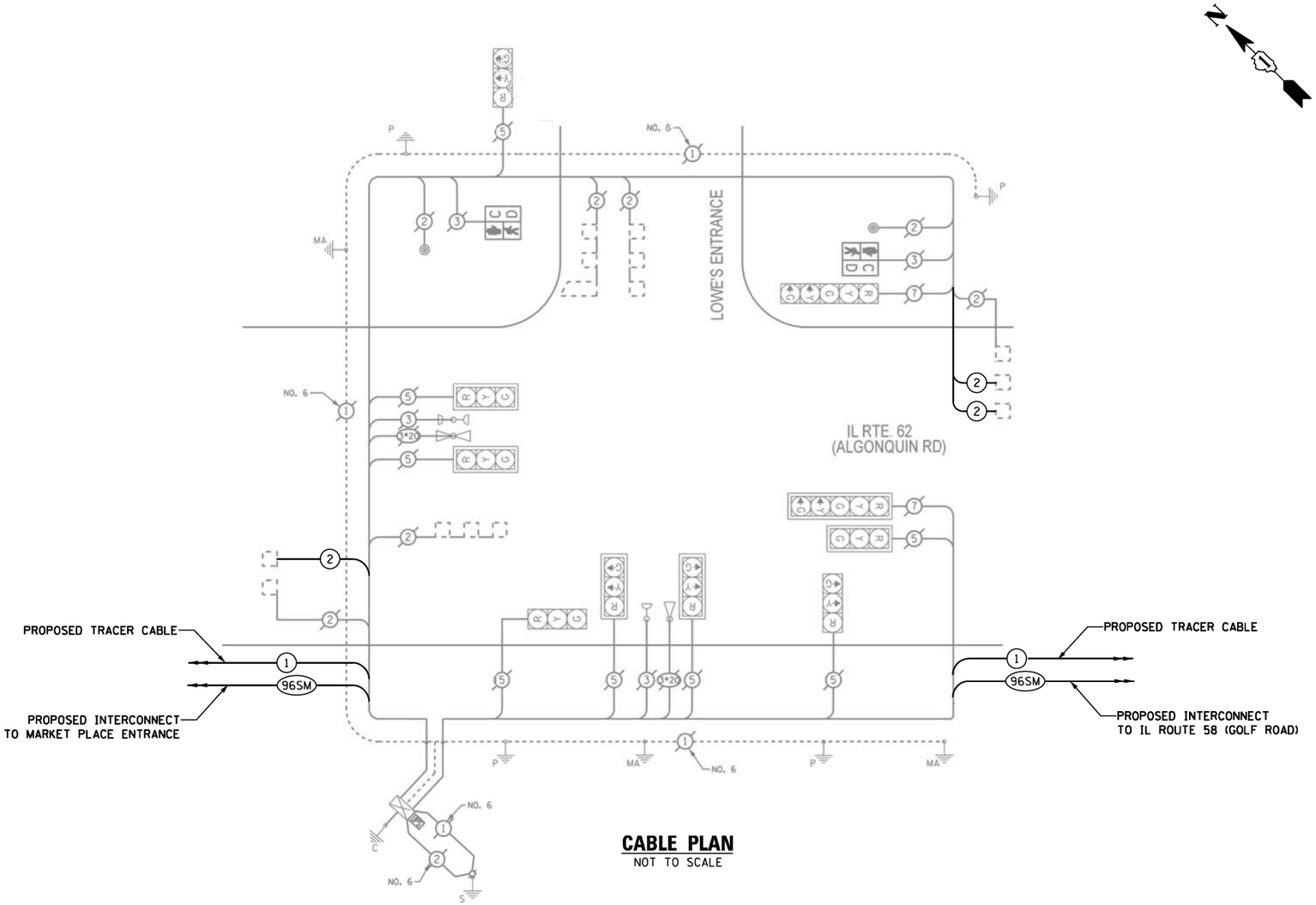
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**344**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**949**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---



CABLE PLAN

NOT TO SCALE

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1093
INDUCTIVE LOOP DETECTOR	EACH	3
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

TS SHT NO. 50

LOCATION NO. 20

TS–2707
IDOT TACTICS
FORMER EAGLE 1N

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	
EAGLEIN_43_CAB_Algonquin-Lowes.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 62 (ALGONQUIN ROAD) AND LOWE'S ENTRANCE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	58
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

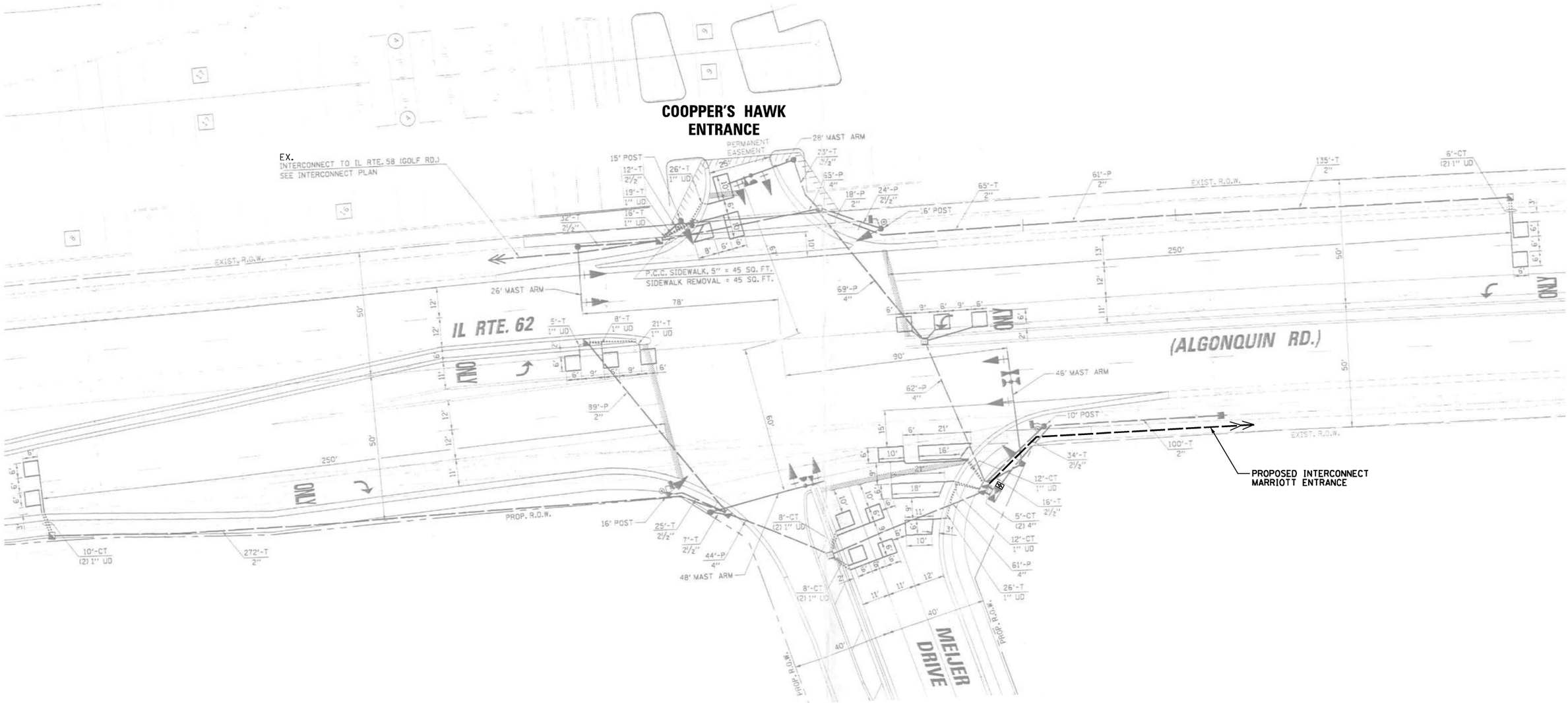
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT NOTED / STRUCTURE NOTATNS CHKD — BY — DATE
PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / AS BUILT NOTED / CADD FILE NAME — BY — DATE
NOTE BOOK NO.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1	EACH	CONTROLLER
1	EACH	TRANCEIVER - FIBER OPTIC



LOCATION NO. 21

TS–2967
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 51

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -
	EAGLEIN_44_MOD_Algonquin-Meijer Dr.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

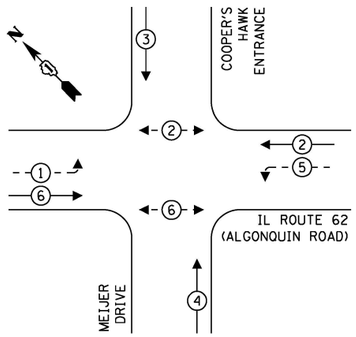
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 62 (ALGONQUIN RD) AND COOPER'S HAWK ENT /MEIJER DR

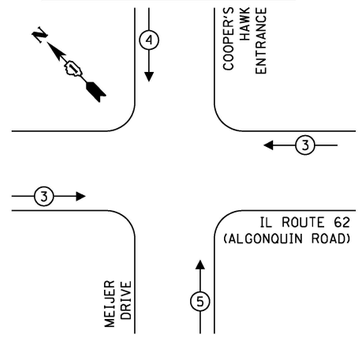
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	59
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE

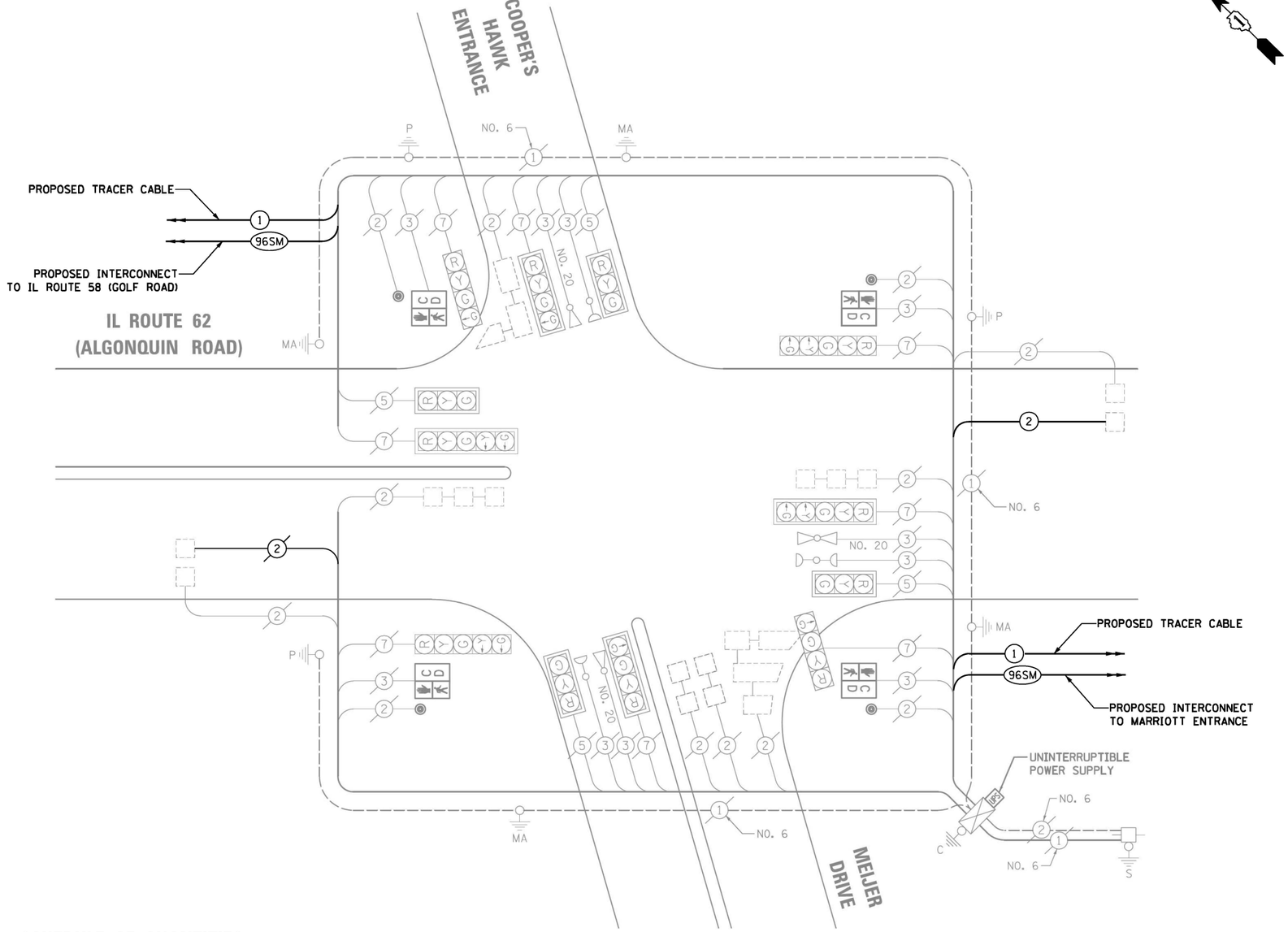


EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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



CABLE PLAN
NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	4	11	44
4-SECTION	4	14	56
5-SECTION	4	13	56
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**412**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**1017**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	441
INDUCTIVE LOOP DETECTOR	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

LOCATION NO. 21

TS–2967
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 52

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE SURVEYED PLOTTED GRADES CHECKED ALIGNMENT CHKD STRUCTURE NOTATNS CHKD NOTE BOOK NO. BY DATE

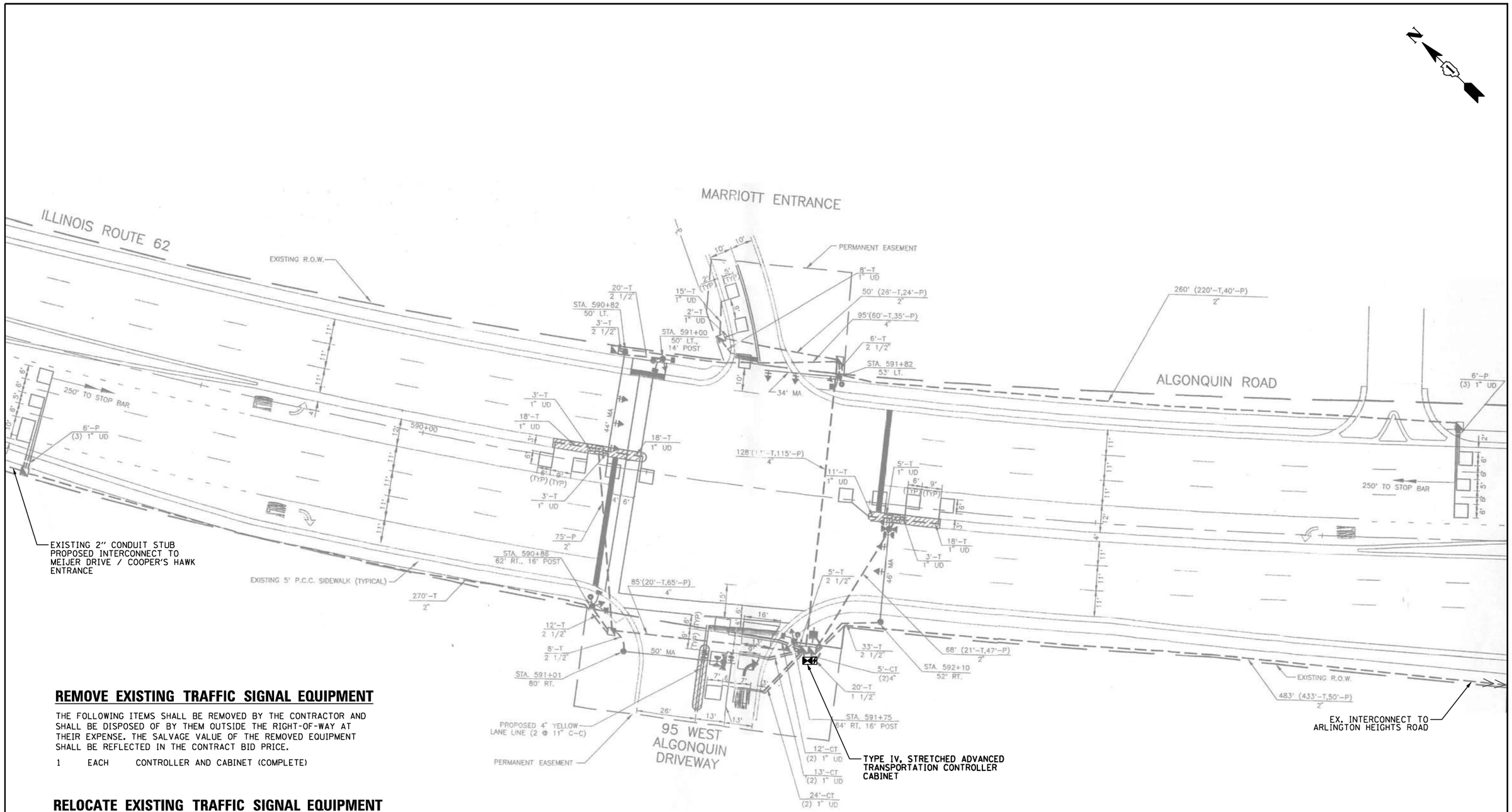
PLAN SURVEYED PLOTTED ALIGNMENT CHECKED AS MARKED CADD FILE NAME NOTE BOOK NO. BY DATE

USER NAME = fberiso	DESIGNED - BC	REVISED -	
EAGLE1N_45_CAB_Algonquin-Meijer Dr.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 62 (ALGONQUIN RD) AND COOPER'S HAWK ENT /MEIJER DR
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	60
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH CONTROLLER AND CABINET (COMPLETE)

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER AND CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER

LOCATION NO. 22

TS–2936
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 53

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHKD / STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / ALL NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE — CADD FILE NAME

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -
EAGLEIN_46_MOD_Algonquin-Marriott.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 2/23/2026	DATE -	REVISED -

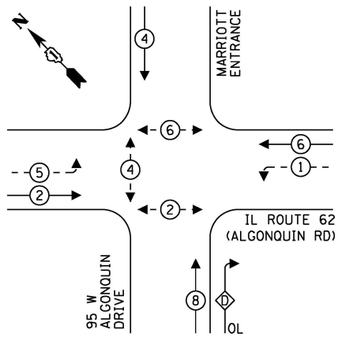
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 62 (ALGONQUIN RD) AND MARRIOTT ENT /95 W ALGONQUIN DR

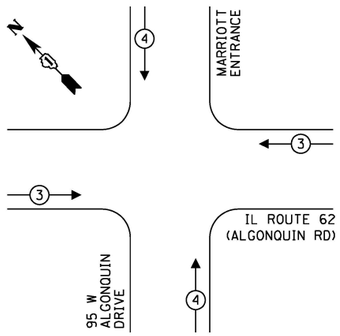
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	61
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1

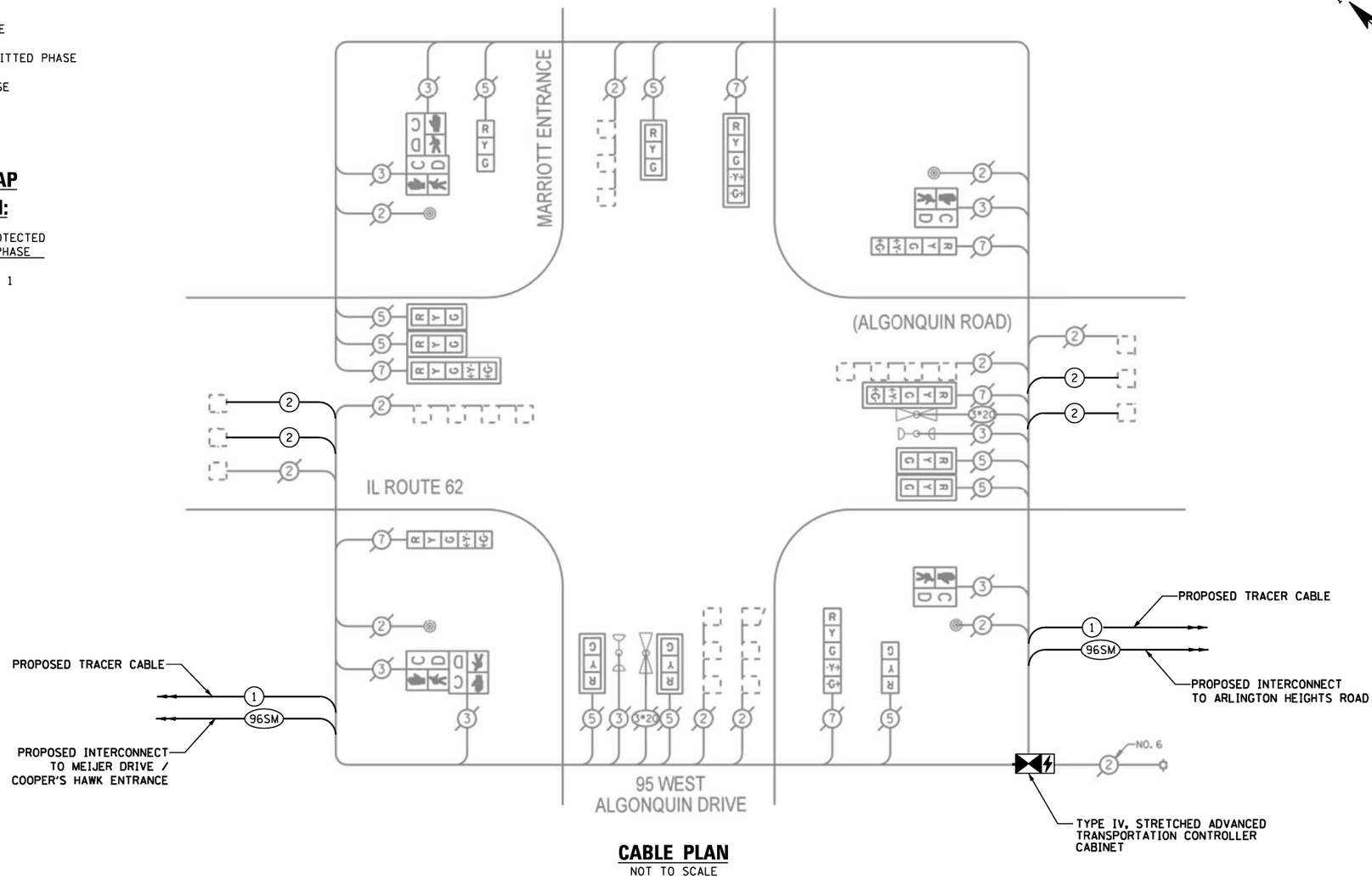
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	9	11	99
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**467**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**1072**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---



CABLE PLAN

NOT TO SCALE

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1638
INDUCTIVE LOOP DETECTOR	EACH	11
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
ADVANCED TRANSPORTATION CONTROLLER AND TYPE IV STRETCHED CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

TS SHT NO. 54

LOCATION NO. 22

TS–2936
IDOT TACTICS
FORMER EAGLE 1N

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	
EAGLEIN_47_CAB_Algonquin-Marriott.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 62 (ALGONQUIN RD) AND MARRIOTT ENT /95 W ALGONQUIN DR

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	62
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NOTATNS CHKD — NOTE BOOK NO. — BY — DATE

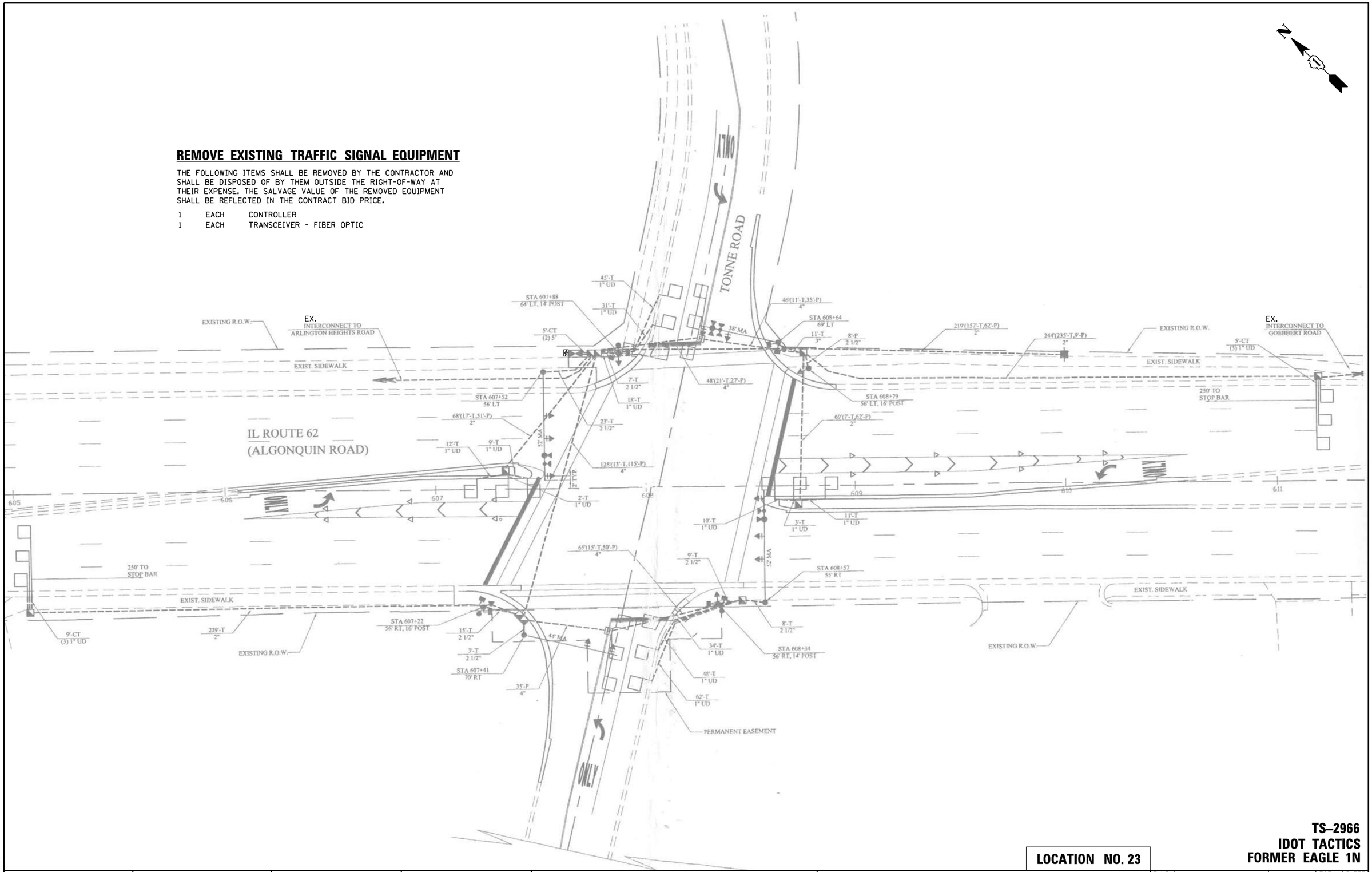
PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER - FIBER OPTIC



TS–2966
IDOT TACTICS
FORMER EAGLE 1N

LOCATION NO. 23

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN_48_MOD_Algonquin-Tonne.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 62 (ALGONQUIN ROAD) AND TONNE ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	63
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

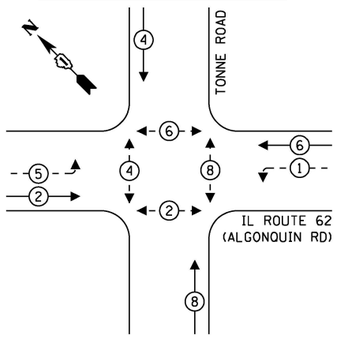
PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

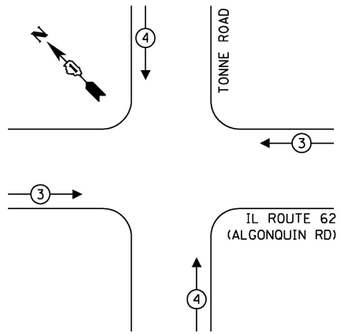
PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / BY / DATE

TS SHT NO. 55

EXISTING CONTROLLER SEQUENCE

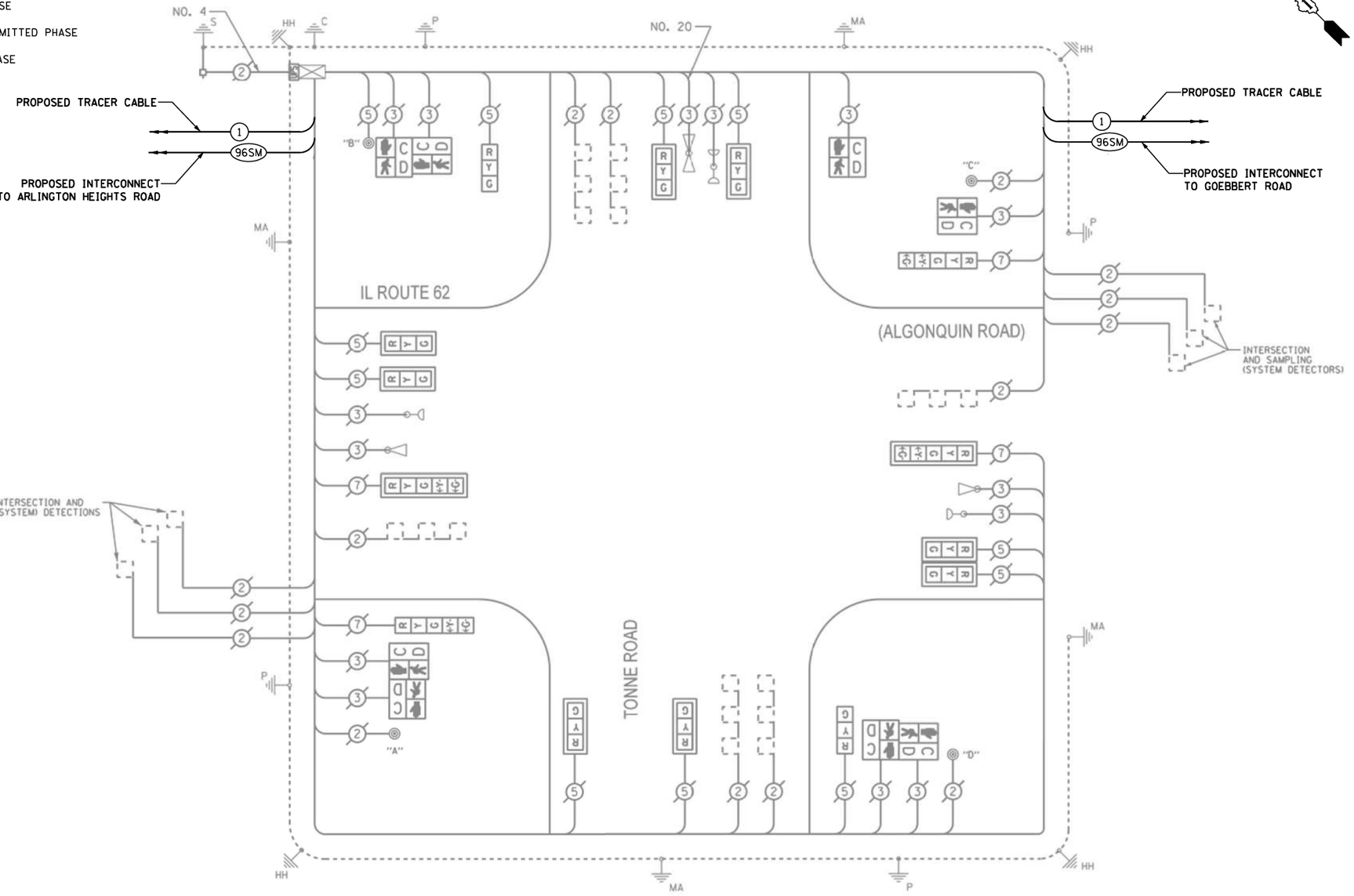


EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**482**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**1087**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

CABLE PLAN

NOT TO SCALE

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

LOCATION NO. 23

TS–2966
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 56

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

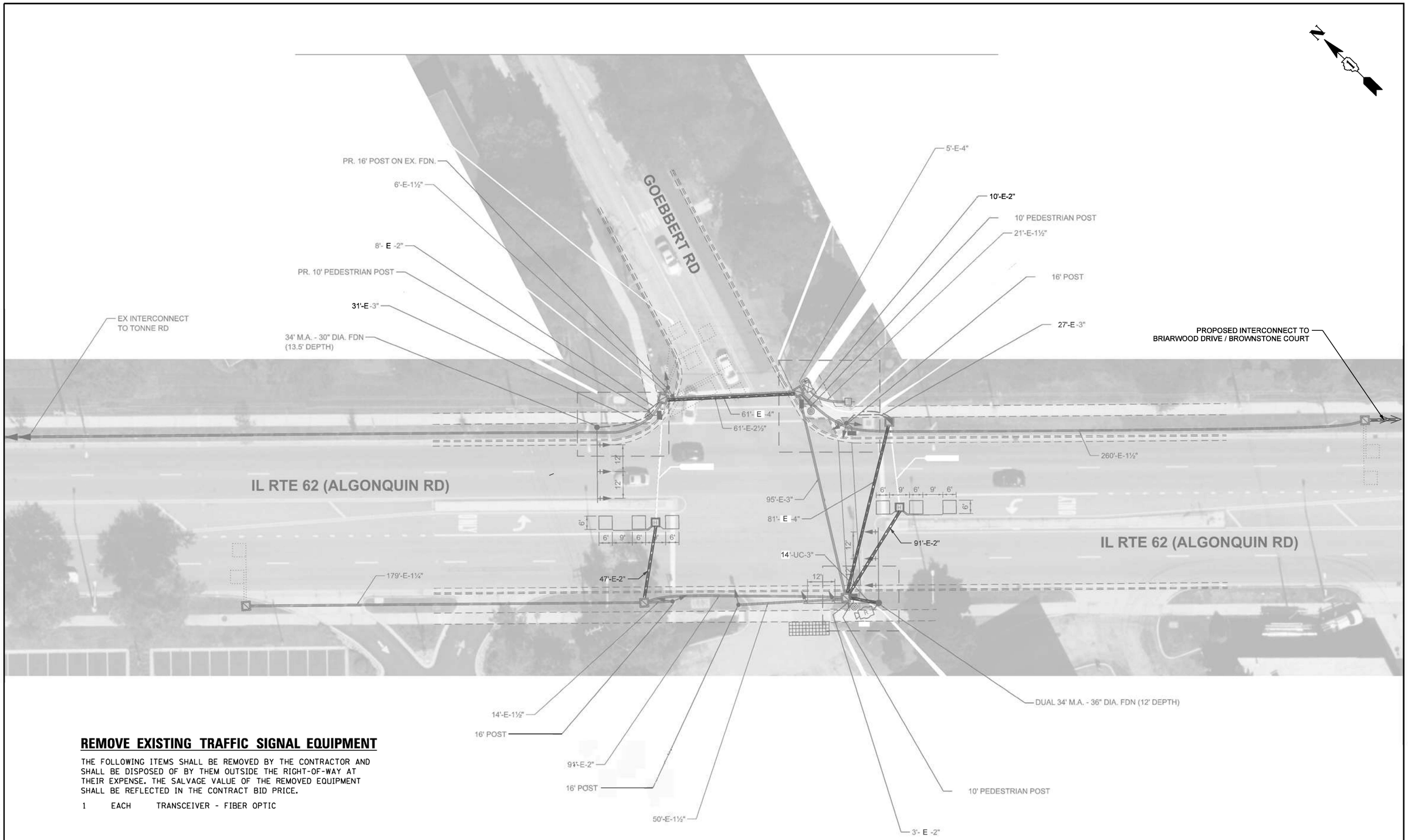
USER NAME = fberiso	DESIGNED - BC	REVISED -	
EAGLE1N_49_CAB_Algonquin-Tonne.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 62 (ALGONQUIN ROAD) AND TONNE ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	64
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH TRANSCEIVER - FIBER OPTIC

TS–2965
IDOT TACTICS
FORMER EAGLE 1N

LOCATION NO. 24

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIN_50_MOD_Algonquin-Goebbert.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 62 (ALGONQUIN ROAD) AND GOEBBERT ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	65
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

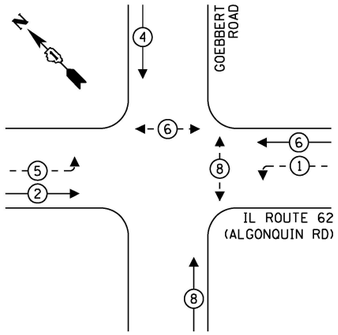
PLAN: NOTE BOOK NO. ___ | SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ RT. OF WAY CHECKED ___ CADD FILE NAME ___ | BY | DATE

PROFILE: NOTE BOOK NO. ___ | SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ B.M. NOTED ___ STRUCTURE NOTAT'NS CH'KD | BY | DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 57

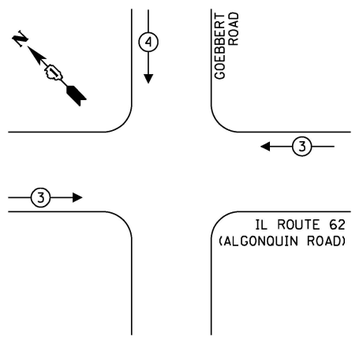
EXISTING CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



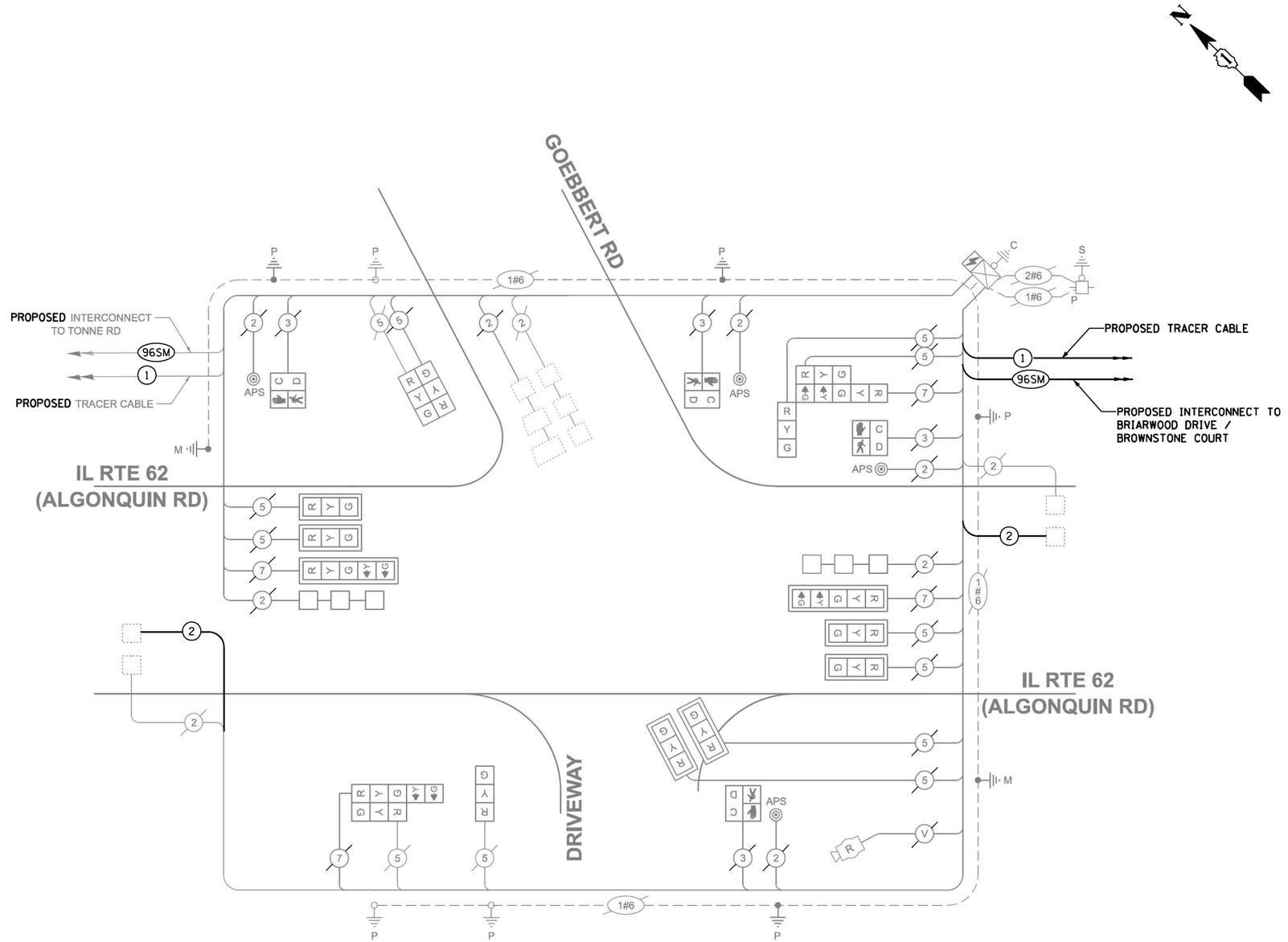
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	1	20	20
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			**464**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING			**1069**

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED
ACCOUNT NUMBER: ---



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	633
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

CABLE PLAN

NOT TO SCALE

LOCATION NO. 24

TS–2965
IDOT TACTICS
FORMER EAGLE 1N

TS SHT NO. 58

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTS, STRUCTURE NO(S).(YRS) CHK'D, NOTE BOOK, NO.

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTS, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbarlso	DESIGNED - BC	REVISED -
	EAGLEIN_51_CAB_Algonquin-Goebbert.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 62 (ALGONQUIN ROAD) AND GOEBBERT ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

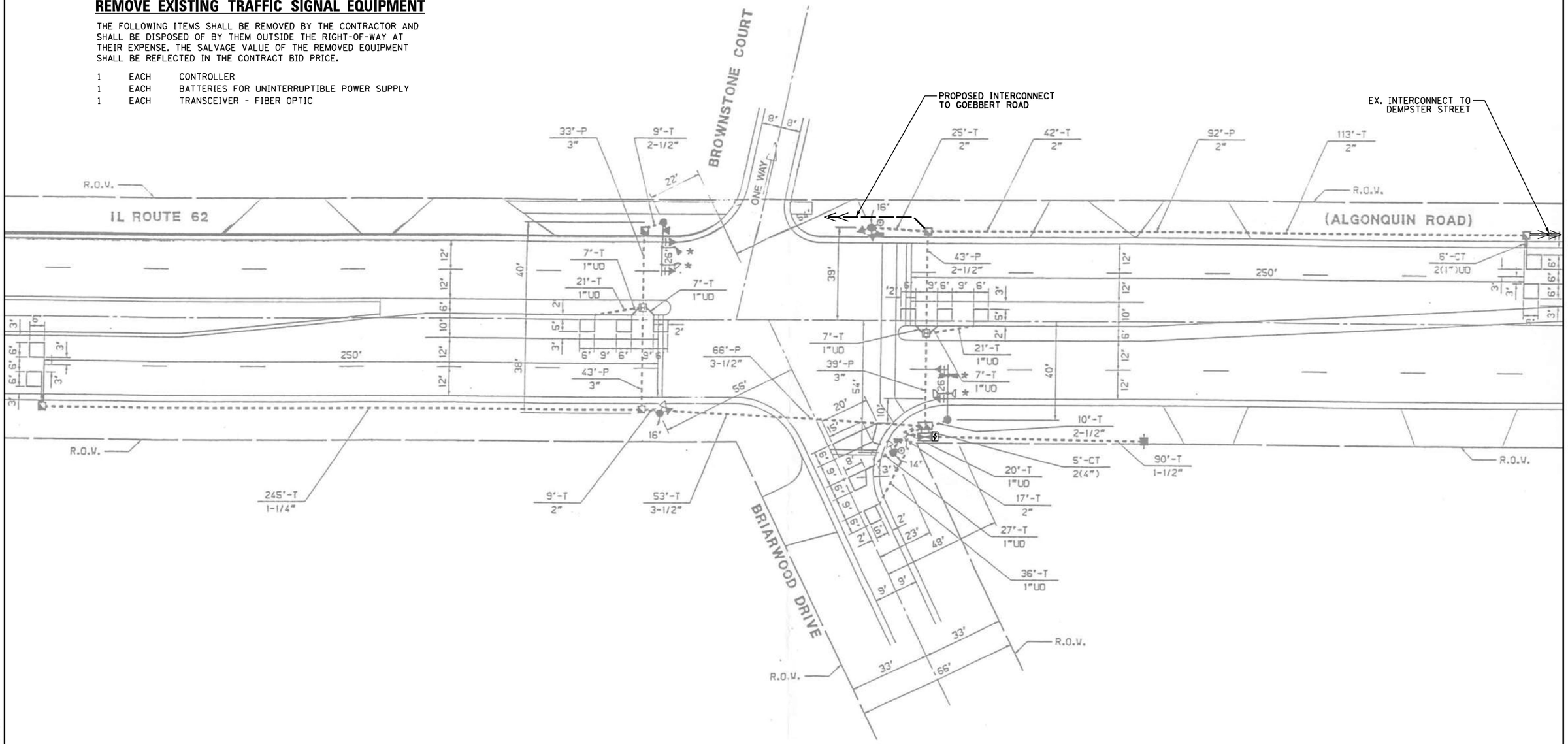
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	66
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1	EACH	CONTROLLER
1	EACH	BATTERIES FOR UNINTERRUPTIBLE POWER SUPPLY
1	EACH	TRANSCEIVER - FIBER OPTIC



LOCATION NO. 25

TS–21355
IDOT CENTRACS
FORMER ECON 4

TS SHT NO. 59

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALL NOTES CHKD / STRUCTURE NOTATNS CHKD — NOTE BOOK ____ NO. ____ — BY ____ DATE ____

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / ALL NOTES CHECKED / CADD FILE NAME ____ — NOTE BOOK ____ NO. ____ — BY ____ DATE ____

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON4_01_MOD_IL62-Brownstone.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

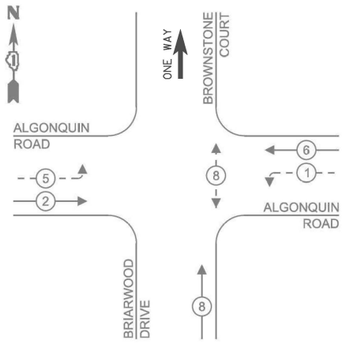
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 62 (ALGONQUIN ROAD)
AND BROWNSTONE COURT / BRIARWOOD DRIVE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	67
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

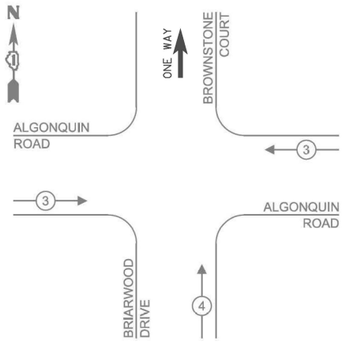
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

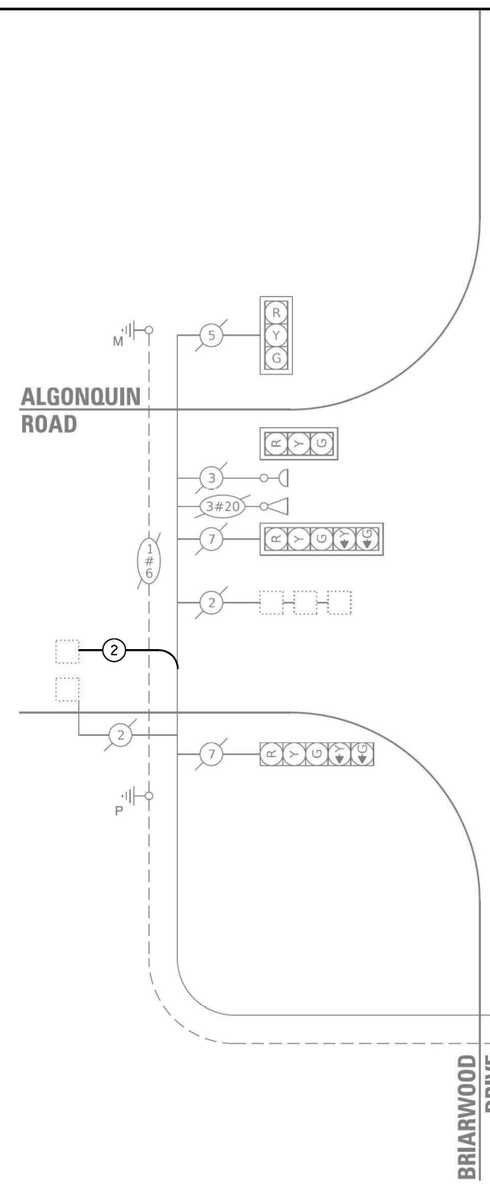


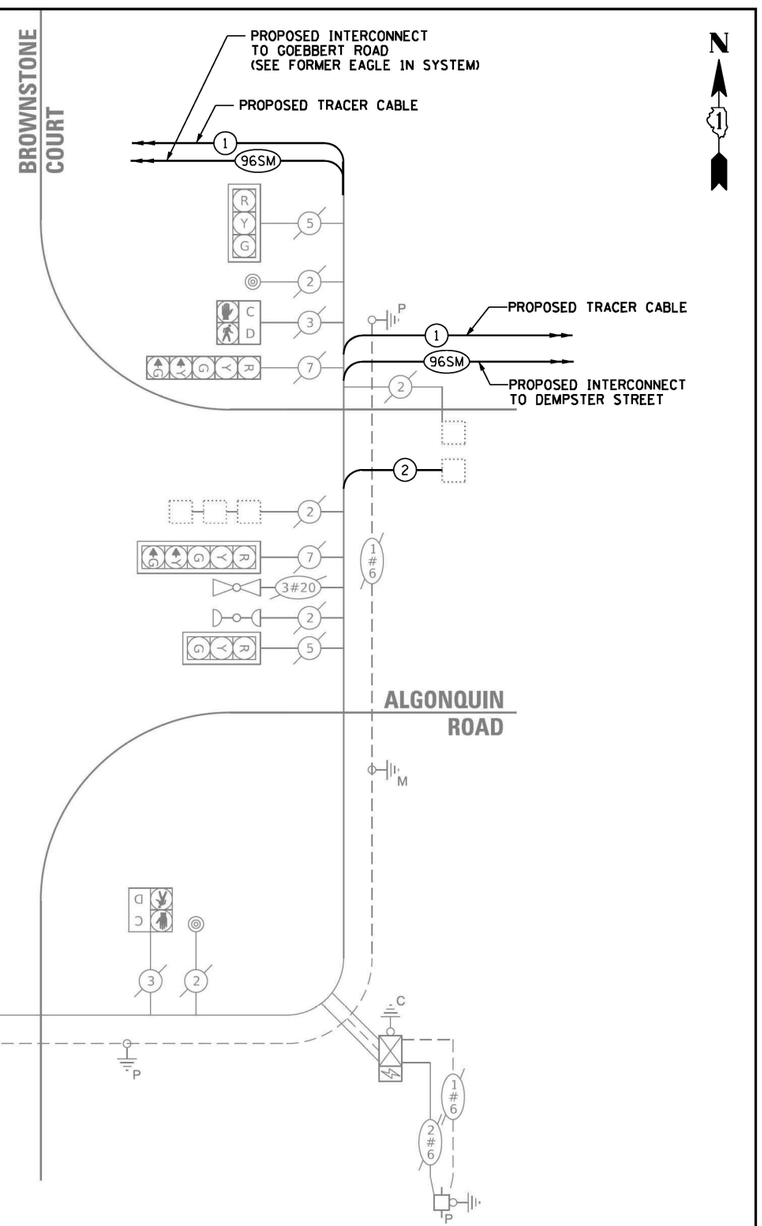
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	4	11	44
4 - SECTION	-	14	-
5 - SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3 - SECTION	-	22	-
4 - SECTION	-	32	-
5 - SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			301
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			906

ENERGY COSTS TO:
VILLAGE OF ARLINGTON HEIGHTS
33 SOUTH ARLINGTON HEIGHTS RD
ARLINGTON HEIGHTS, IL 60005

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





CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	771
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

LOCATION NO. 25

TS–21355
IDOT CENTRACS
FORMER ECON 4

TS SHT NO. 60

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

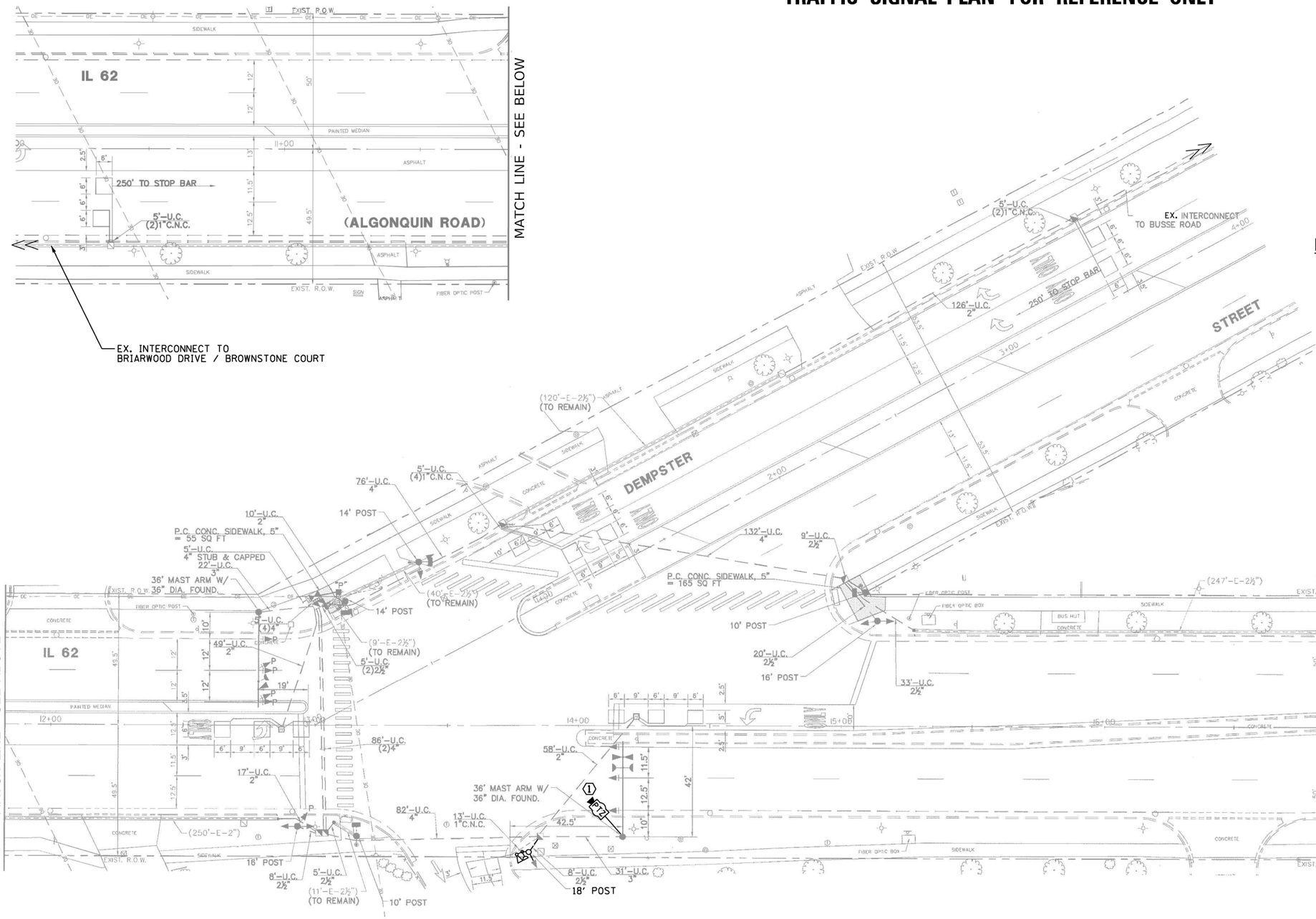
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbarlso	DESIGNED - BC	REVISED -
	ECON4_02_CAB_IL62-Brownstone.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 5/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 62 (ALGONQUIN RD) AND BROWNSTONE CT / BRIARWOOD DR
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	68
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1	EACH	TRANSCEIVER - FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1	EACH	CONTROLLER

CONSTRUCTION NOTE:

① THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

LOCATION NO. 26

TS–2950
IDOT CENTRACS
FORMER ECON 4

TS SHT NO. 61

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, AS MARKED — NOTE BOOK — NO. — BY — DATE — CADD FILE NAME

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

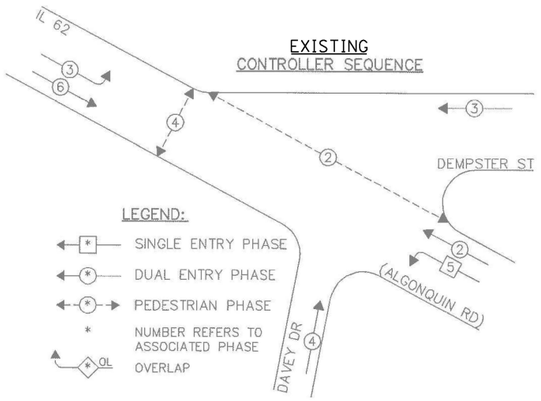
USER NAME = fberiso	DESIGNED - BC	REVISED -	
ECON4_03_MOD_IL62-Dempster.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

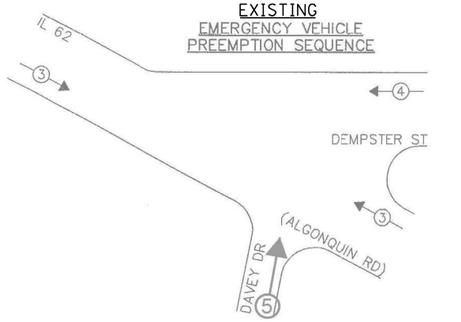
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 62 (ALGONQUIN ROAD) AND DEMPSTER STREET

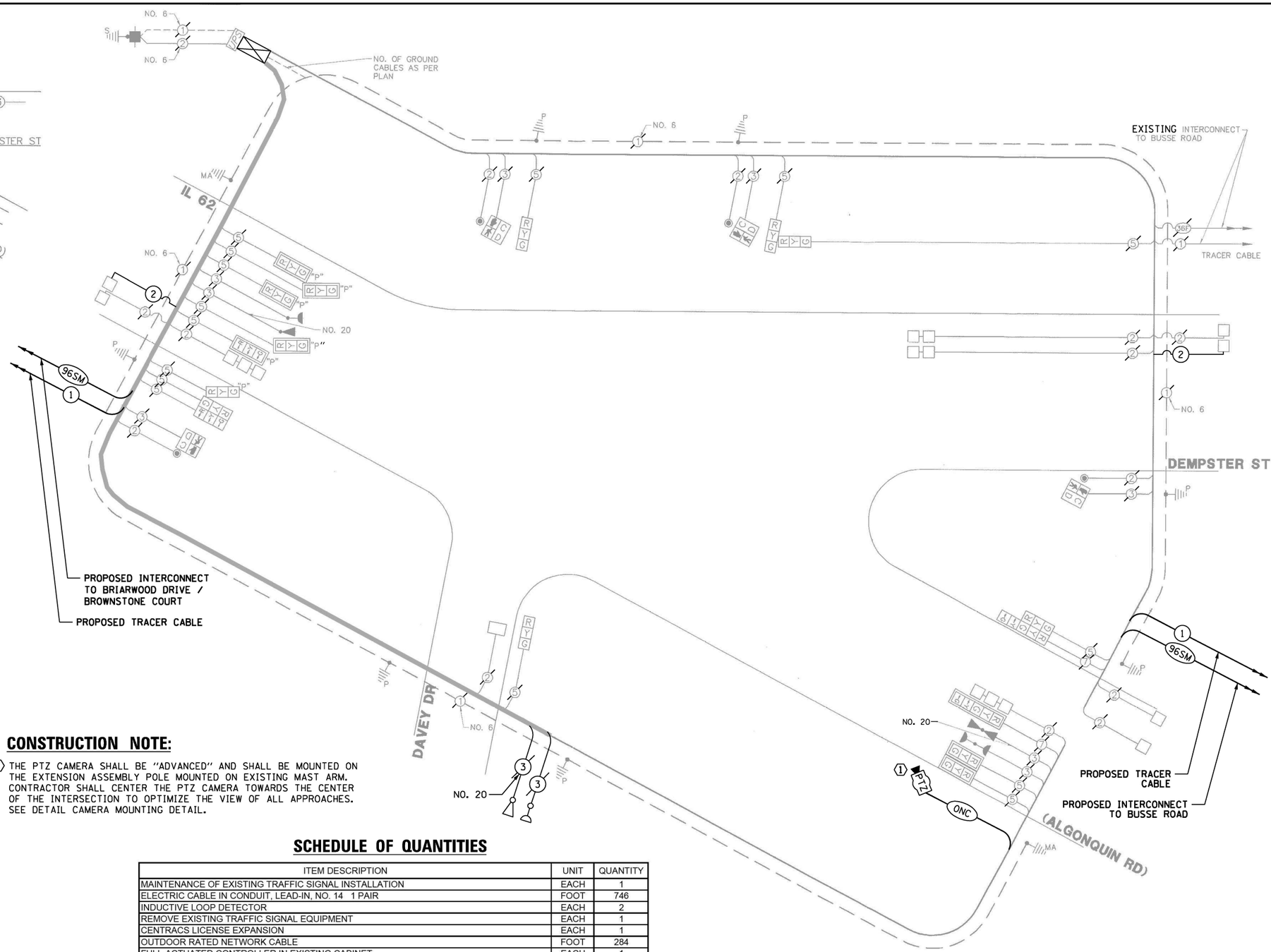
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	69
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





EXISTING PHASE DESIGNATION DIAGRAM



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	15	11	165
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**451**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1131**

ENERGY COSTS TO:
VILLAGE OF MOUNT PROSPECT

1700 W. CENTRAL AVENUE
MOUNT PROSPECT, IL 60056

ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: (866) 639-3552
COMPANY: COM-ED LIBERTYVILLE

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	746
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	284
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	8
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

LOCATION NO. 26

TS–2950
IDOT CENTRACS
FORMER ECON 4

TS SHT NO. 62

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = bchavez	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
ECON4_04_CAB_IL62-Dempster.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 5/7/2026	DATE -	REVISED -	

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 62 (ALGONQUIN ROAD) AND DEMPSTER STREET

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	70
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE PLAN
SURVEYED PLOTTED GRADES CHECKED ALIGNMENT CHECKED STRUCTURE NO(Y/N)S CHK'D
NOTE BOOK NO.
BY DATE

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

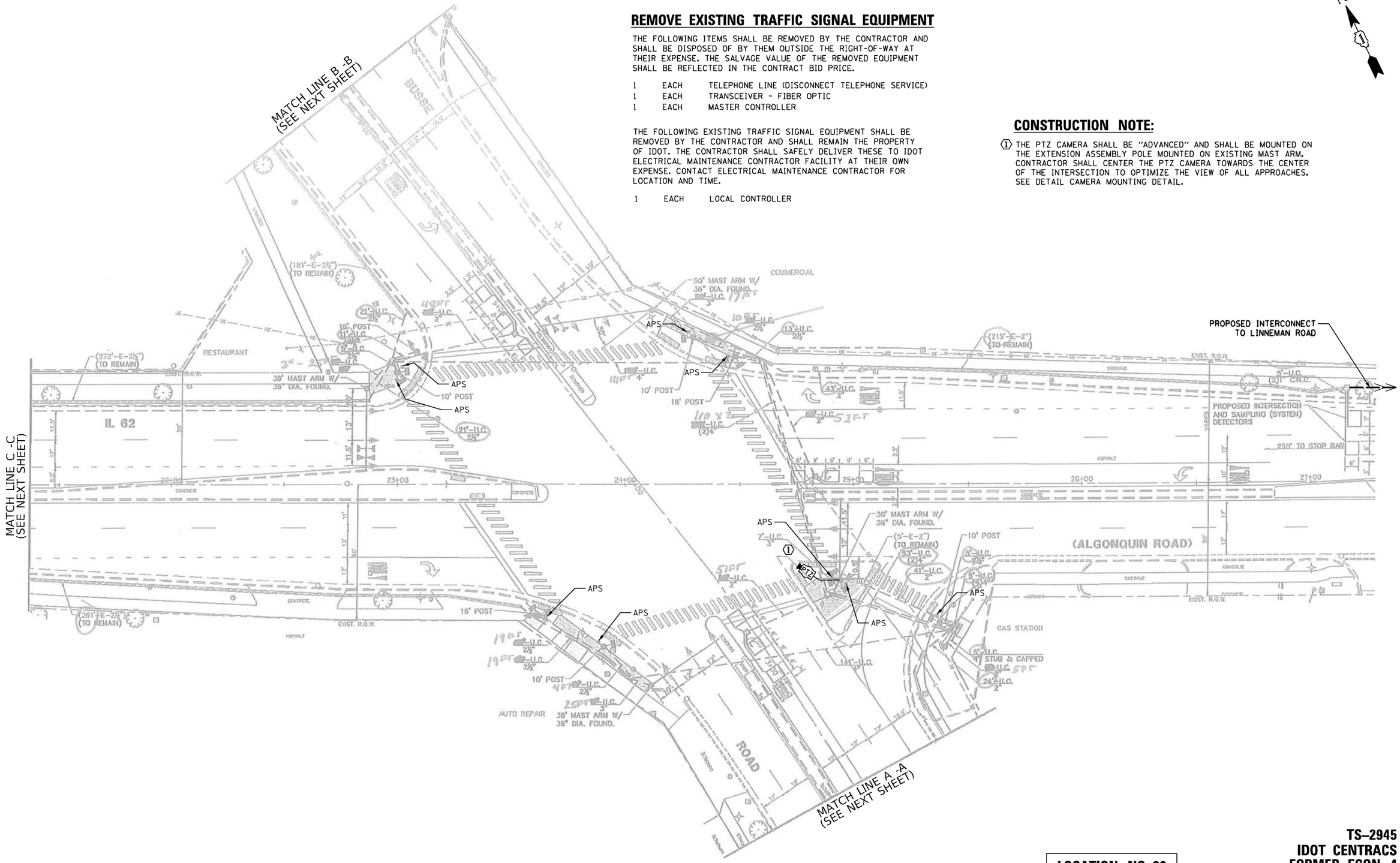
1	EACH	TELEPHONE LINE (DISCONNECT TELEPHONE SERVICE)
1	EACH	TRANSCEIVER - FIBER OPTIC
1	EACH	MASTER CONTROLLER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1	EACH	LOCAL CONTROLLER

CONSTRUCTION NOTE:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.



TS-2945
IDOT CENTRACS
FORMER ECON 4

LOCATION NO. 28

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON4_05_MODI_IL62-Busse.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 62 (ALGONQUIN ROAD) AND BUSSE ROAD - SHEET 1 OF 2

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

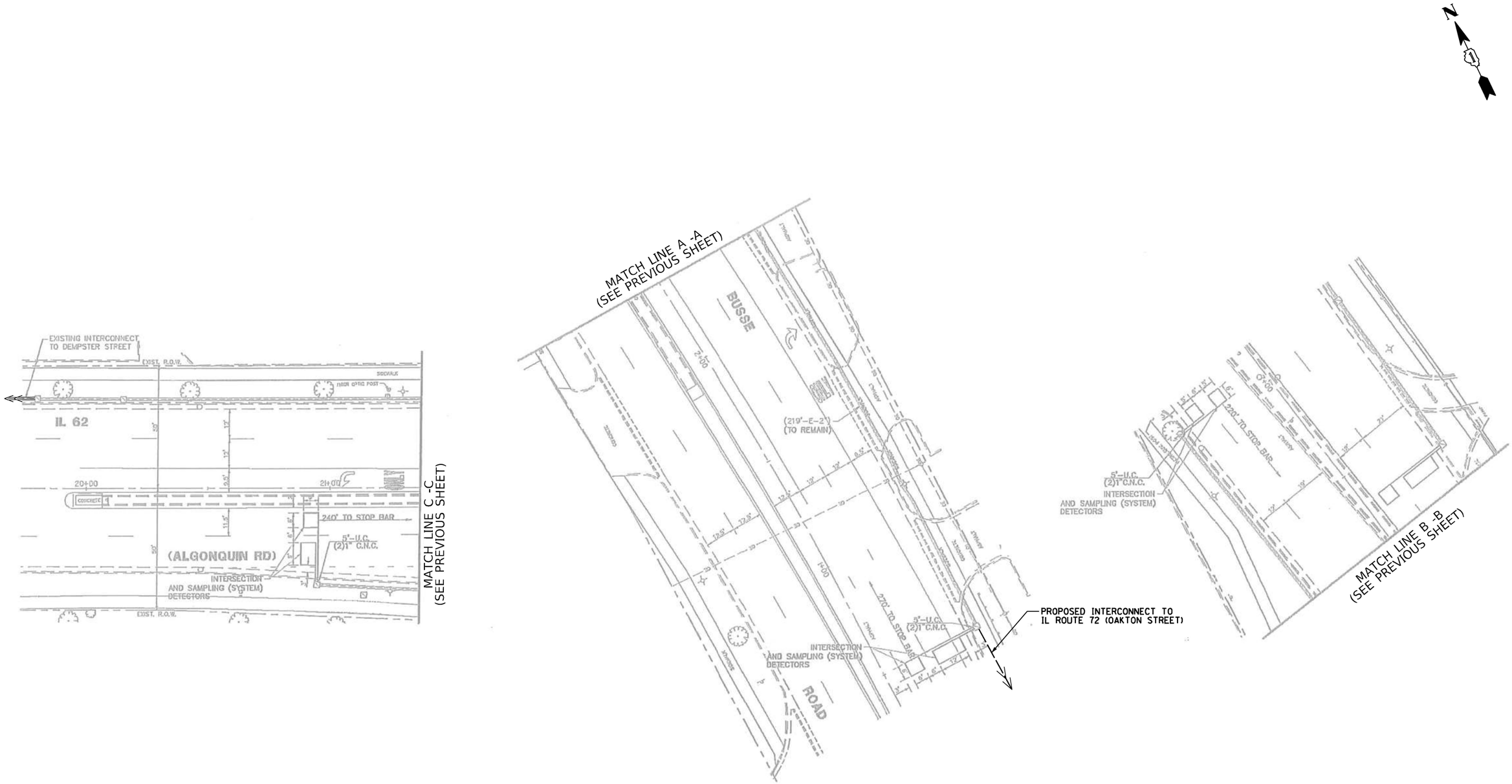
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	71
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE: NOTE BOOK NO. ___ | SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ B.M. NOTED ___ STRUCTURE NOTATNS CH'KD ___ | BY ___ | DATE ___

PLAN: NOTE BOOK NO. ___ | SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ RT. OF WAY CHECKED ___ CADD FILE NAME ___ | BY ___ | DATE ___

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 63



TS-2945
IDOT CENTRACS
FORMER ECON 4

LOCATION NO. 28

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON4_06_MOD2_IL62-Busse.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 62 (ALGONQUIN ROAD) AND BUSSE ROAD - SHEET 2 OF 2

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	72
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

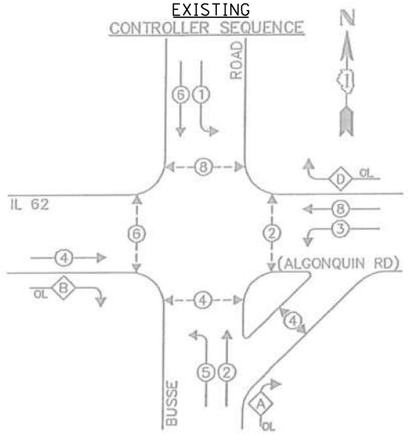
PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTAT'NS CH'KD
BY
DATE

PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 64

EXISTING
CONTROLLER SEQUENCE



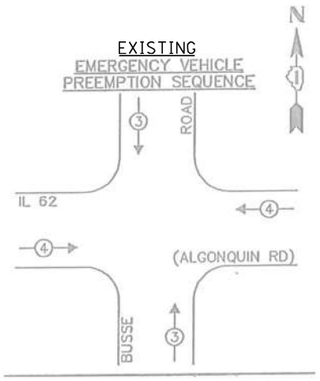
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
D	=	8	+	1

LEGEND:

- SINGLE ENTRY PHASE
- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE
- OL OVERLAP

EXISTING PHASE DESIGNATION DIAGRAM

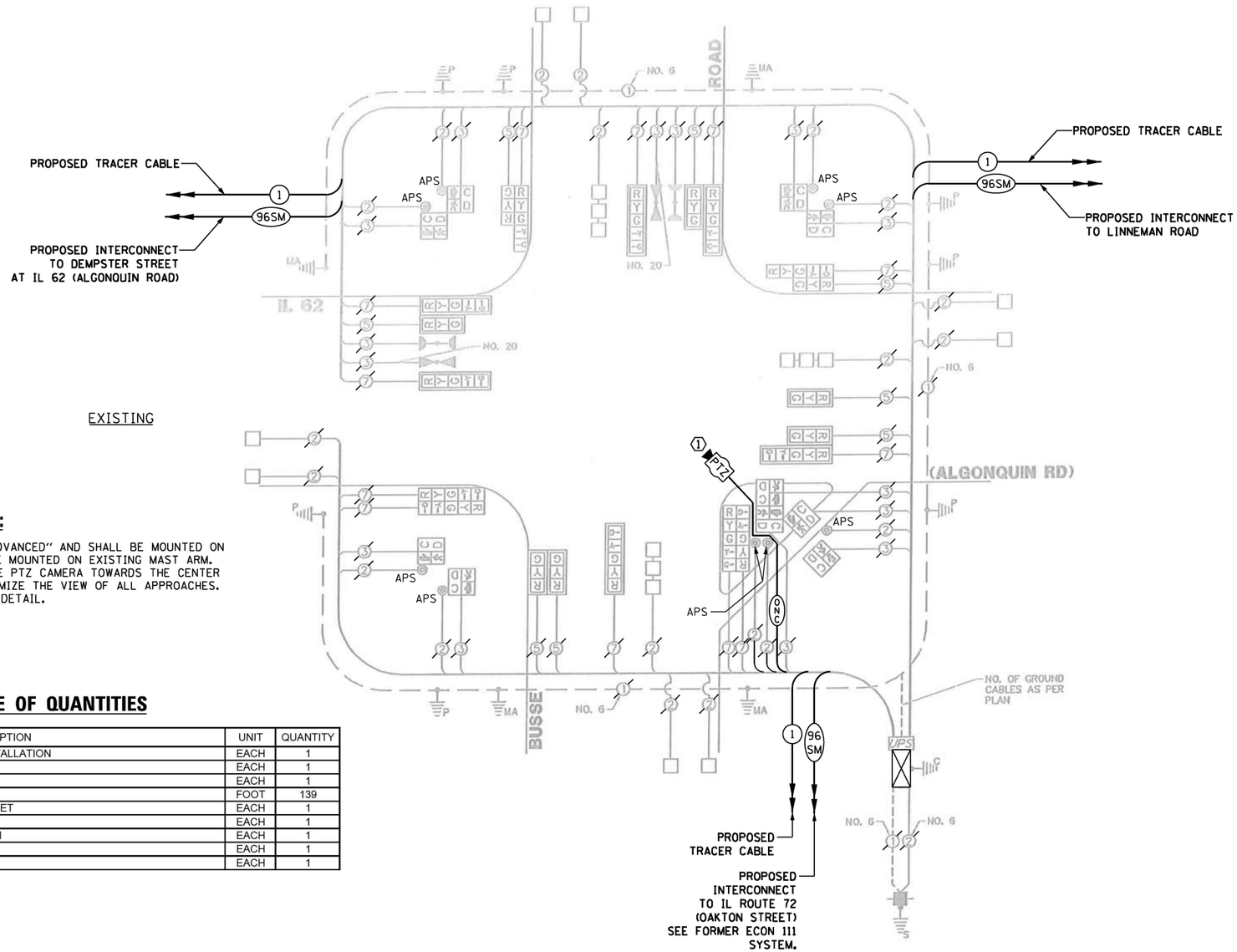
EXISTING
EMERGENCY VEHICLE
PREEMPTION SEQUENCE



CONSTRUCTION NOTE:

① THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

EXISTING



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	139
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, DISTRIBUTION	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	10	15	150
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**594**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1274**

ENERGY COSTS TO:
VILLAGE OF MOUNT PROSPECT

1700 W. CENTRAL AVENUE
MT. PROSPECT, IL 60056

ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: (866) 639-3552
COMPANY: COM-ED LIBERTYVILLE

TS SHT NO. 65

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. STAKED, STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. STAKED, CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -	
ECON4_07_CAB_IL62-Busse.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 62 (ALGONQUIN ROAD) AND BUSSE ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

LOCATION NO. 28

TS–2945
IDOT CENTRACS
FORMER ECON 4

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	73
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

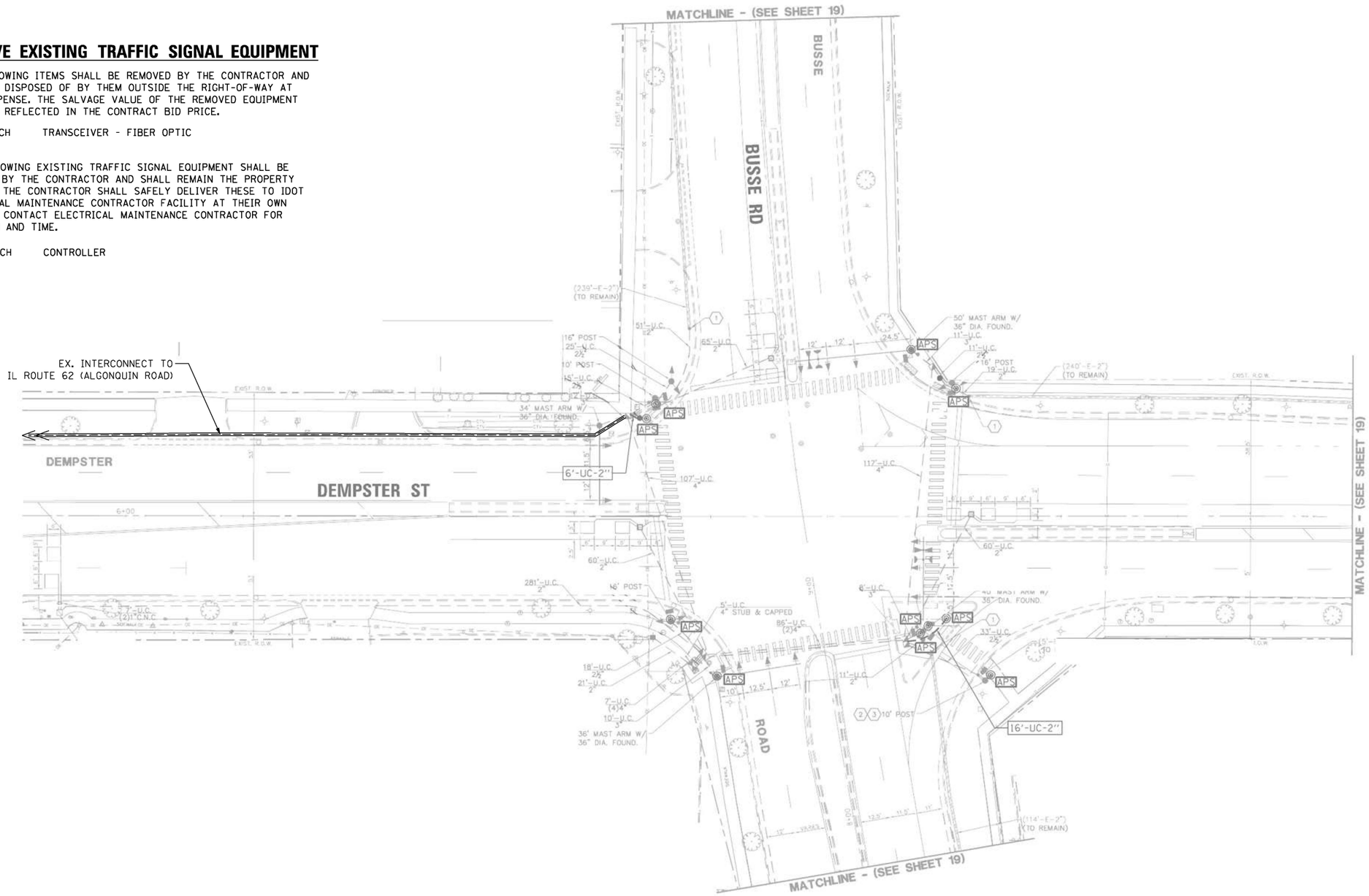
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH TRANSCEIVER - FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER



N

LOCATION NO. 27

TS–4250
IDOT CENTRACS
FORMER ECON 4

TS SHT NO. 66

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
R.O.W. MONUMENTED		
NOTE BOOK		
NO.		
STRUCTURE NOTATNS CH'KD		

PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
R.O.W. MONUMENTED		
NOTE BOOK		
NO.		
CADD FILE NAME		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -
	ECON4_08_MOD1_Dempster-Busse.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

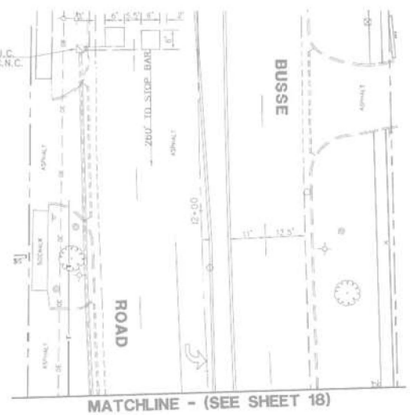
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

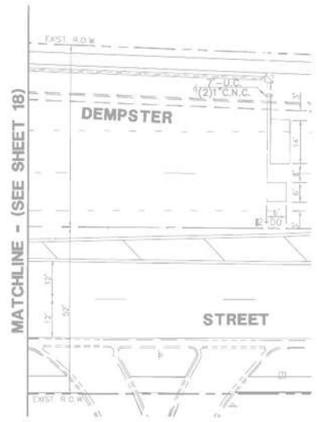
TRAFFIC SIGNAL MODIFICATION PLAN
DEMPSTER STREET AND BUSSE ROAD – SHEET 1 OF 2

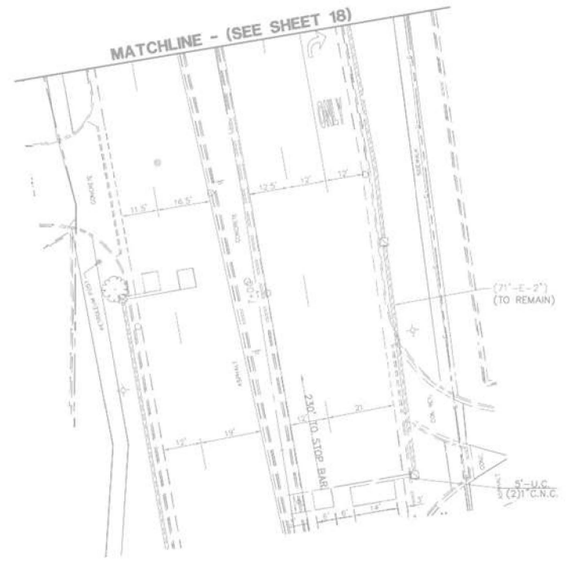
SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	74
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"







N

TS SHT NO. 67

LOCATION NO. 27

TS–4250
IDOT CENTRACS
FORMER ECON 4

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON4_09_M002_Dempster-Busse.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
DEMPSTER STREET AND BUSSE ROAD – SHEET 2 OF 2

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

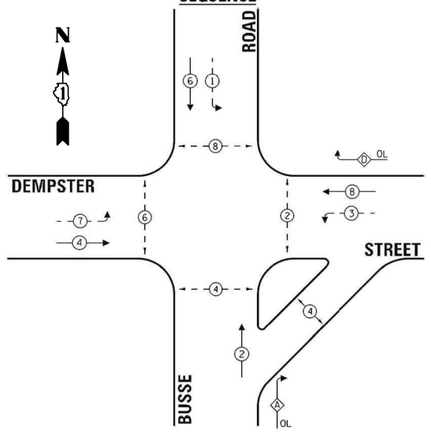
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	75
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.P.A. VERIFIED, STRUCTURE NOTATNS CHKD — BY — DATE — NOTE BOOK — NO.

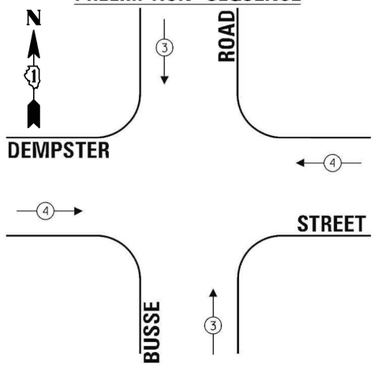
CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.P.A. VERIFIED, CADD FILE NAME — BY — DATE — NOTE BOOK — NO.

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

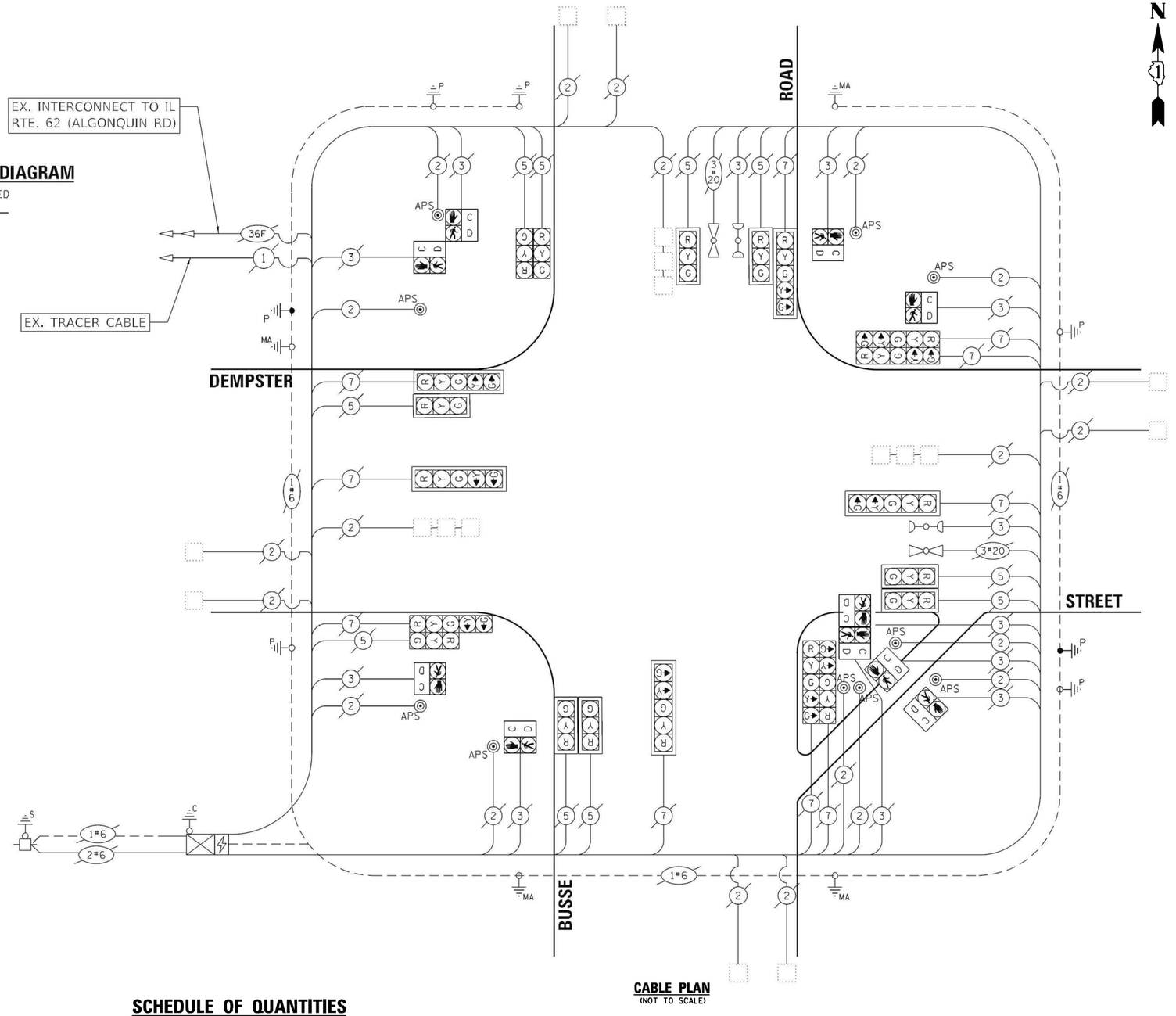


LEGEND:

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

EXISTING PHASE DESIGNATION DIAGRAM

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



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	10	15	150
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			565
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1170

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196

ENERGY SUPPLY:
CONTACT: New Business Dept
PHONE: (866) 639-3532
COMPANY: ComEd
ACCOUNT NUMBER: 02280-22062

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH ACCESS	EACH	1
SPLICE FIBER IN CABINET	EACH	8

LOCATION NO. 27

TS–4250
IDOT CENTRACS
FORMER ECON 4

TS SHT NO. 68

PROFILE SURVEYED PLOTTED GRADES CHECKED ALIGNMENT NOTES STRUCTURE NOTATNS CHKD
NOTE BOOK NO.
PLAN SURVEYED PLOTTED ALIGNMENT CHECKED ALIGN NOTES CADD FILE NAME
BY DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = bchavez	DESIGNED - BC	REVISED -	
ECON4_10_CAB_Dempster-Busse.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 5/7/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
DEMPSTER STREET AND BUSSE ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	76
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

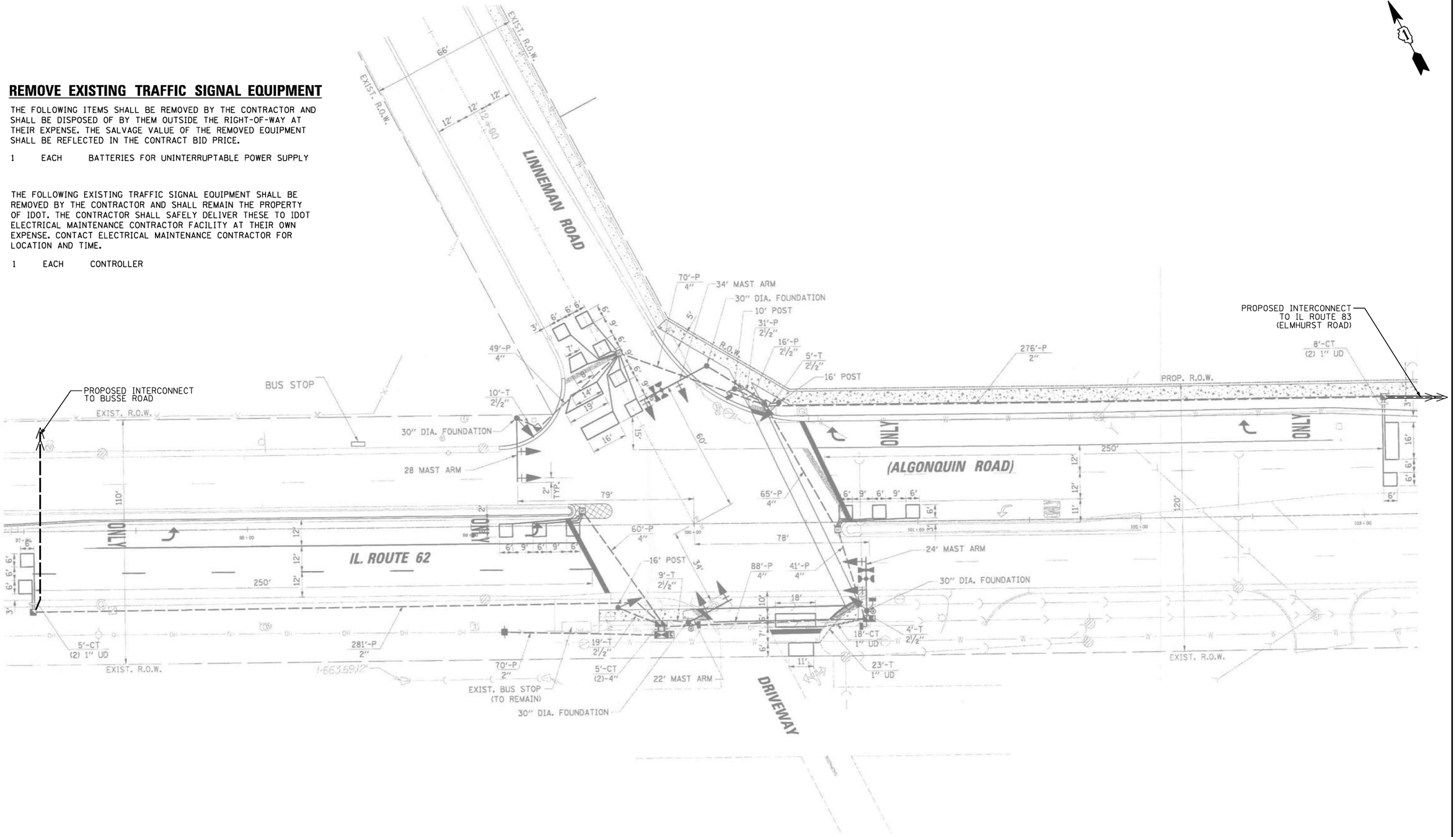
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER



TS SHT NO. 69

PROFILE		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTAT'NS CH'KD		

PLAN		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
	CADD FILE NAME		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

TS–2975
IDOT CENTRACS
FORMER ECON 4

LOCATION NO. 29

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON4_11_MOD_IL62-Linneman.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

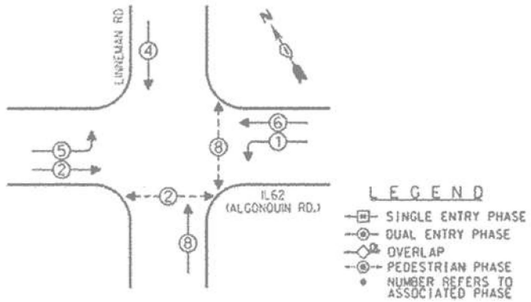
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 62 (ALGONQUIN ROAD) AND LINNEMAN ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

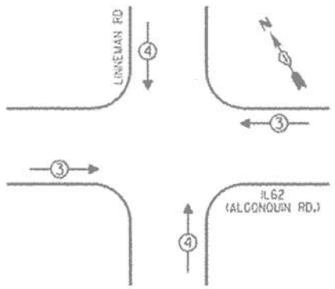
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	77
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

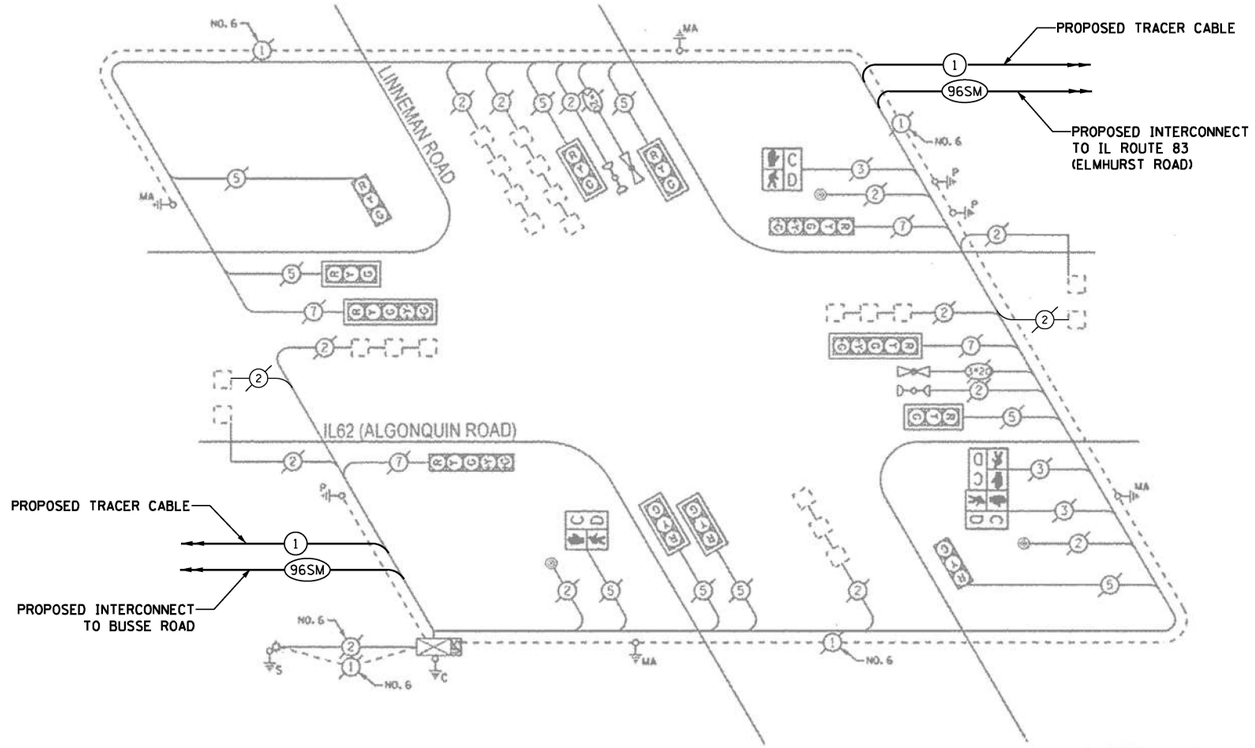
EXISTING
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

EXISTING
EMERGENCY VEHICLE
PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	1	20	20
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**420**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**1025**

ENERGY COSTS TO:
VILLAGE OF MOUNT PROSPECT

50 SOUTH EMERSON STREET
MOUNT PROSPECT, IL 60056
ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 437-2129
COMPANY: COMED

LOCATION NO. 29

TS–2975
IDOT CENTRACS
FORMER ECON 4

TS SHT NO. 70

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON4_12_CAB_IL62-Linneman.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

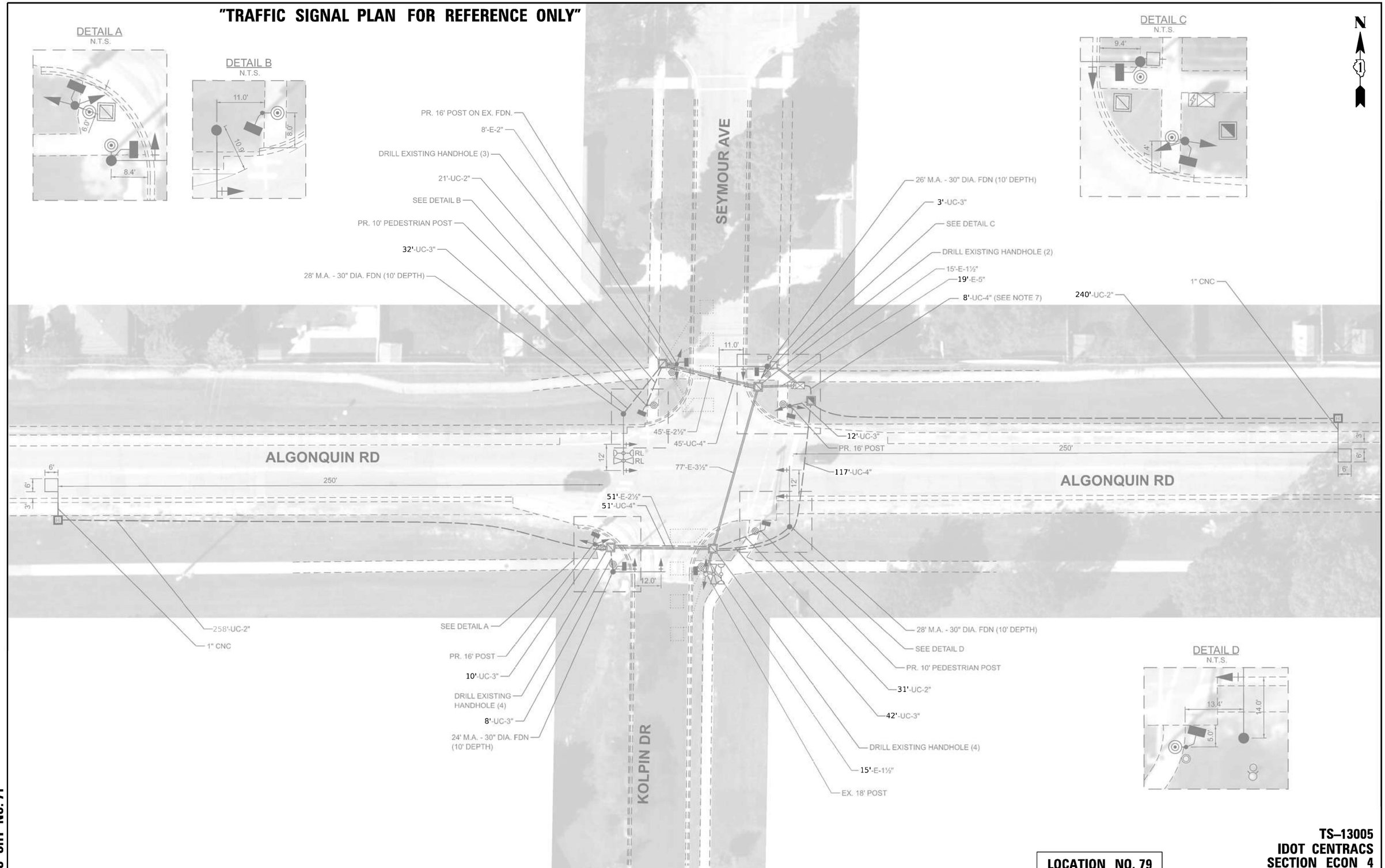
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 62 (ALGONQUIN ROAD) AND LINNEMAN ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	78
		CONTRACT NO. 62W82		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



TS–13005
IDOT CENTRACS
SECTION ECON 4

LOCATION NO. 79

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON4_13_MOD_Algonquin-Seymour.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ALGONQUIN ROAD AND KOLPIN DRIVE / SEYMOUR AVENUE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	79
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

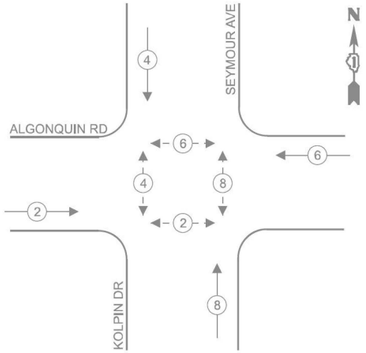
PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

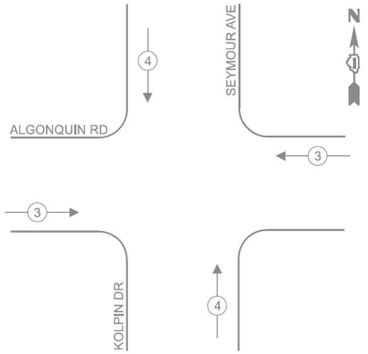
PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTAT'NS CH'KD
BY
DATE

TS SHT NO. 71

EXISTING CONTROLLER SEQUENCE

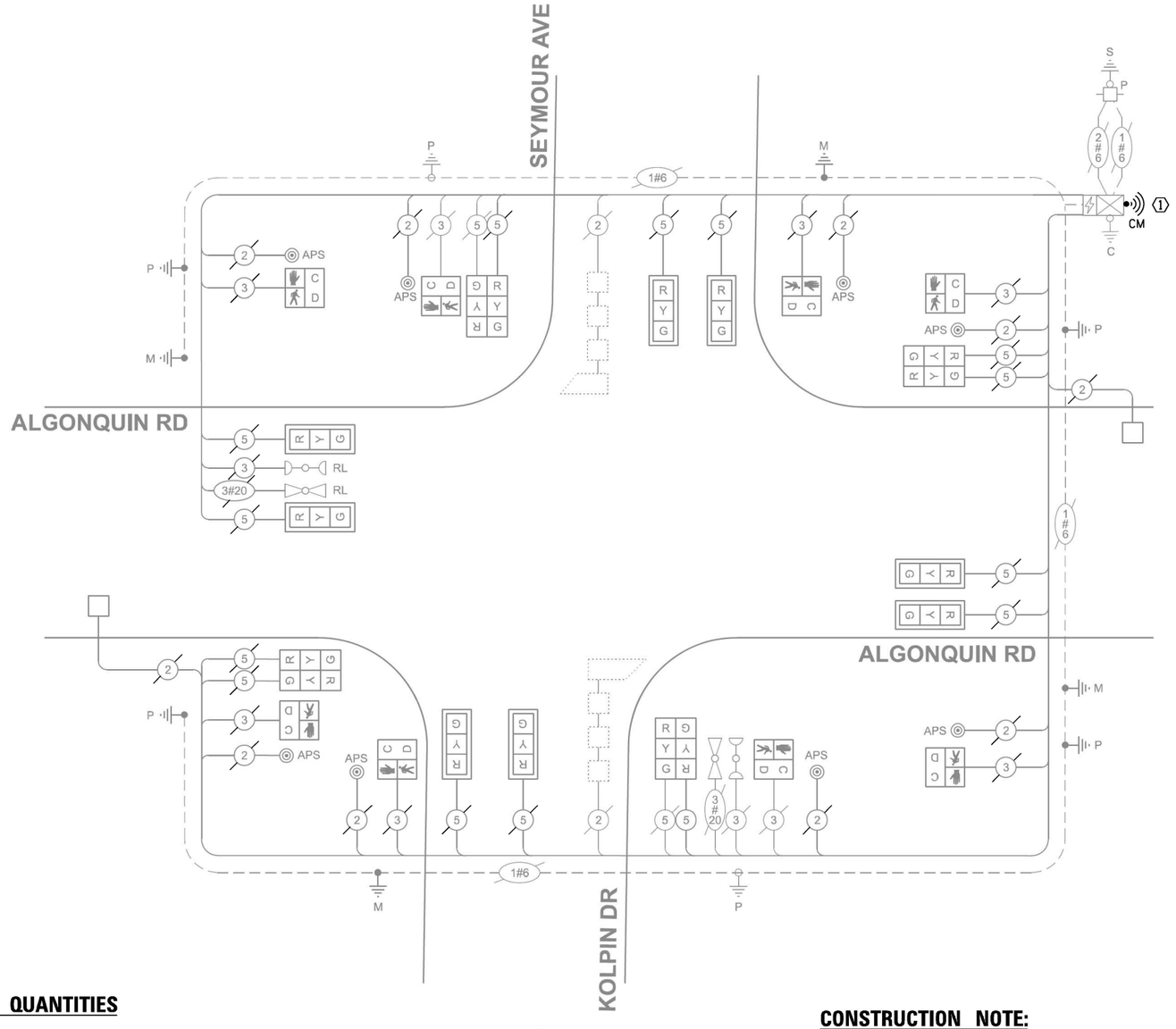


EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

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



CABLE PLAN
(NOT TO SCALE)

CONSTRUCTION NOTE:

(1) THE EXISTING CELLULAR MODEM SHALL BE RELOCATED FROM LOCATION 4 - IL ROUTE 58 (GOLF RD) AND ARLINGTON HEIGHTS RD TO THIS LOCATION. A NEW ANTENNA SHALL BE INSTALLED AT THIS LOCATION. THE COST ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE PAY ITEM: RELOCATE TRAFFIC SIGNAL EQUIPMENT (ACCOUNTED FOR IN LOCATION 4).

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
NETWORK SWITCH, ACCESS	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING =			**511**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**1116**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: MR. SAM THOMAS
PHONE: (630) 691-4456
COMPANY: COMED

TS SHT NO. 72

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE — NOTATNS CHKD — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarise	DESIGNED - BC	REVISED -	
ECON4_14_CAB_Algonquin-Seymour.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ALGONQUIN ROAD AND KOLPIN DRIVE / SEYMOUR AVENUE

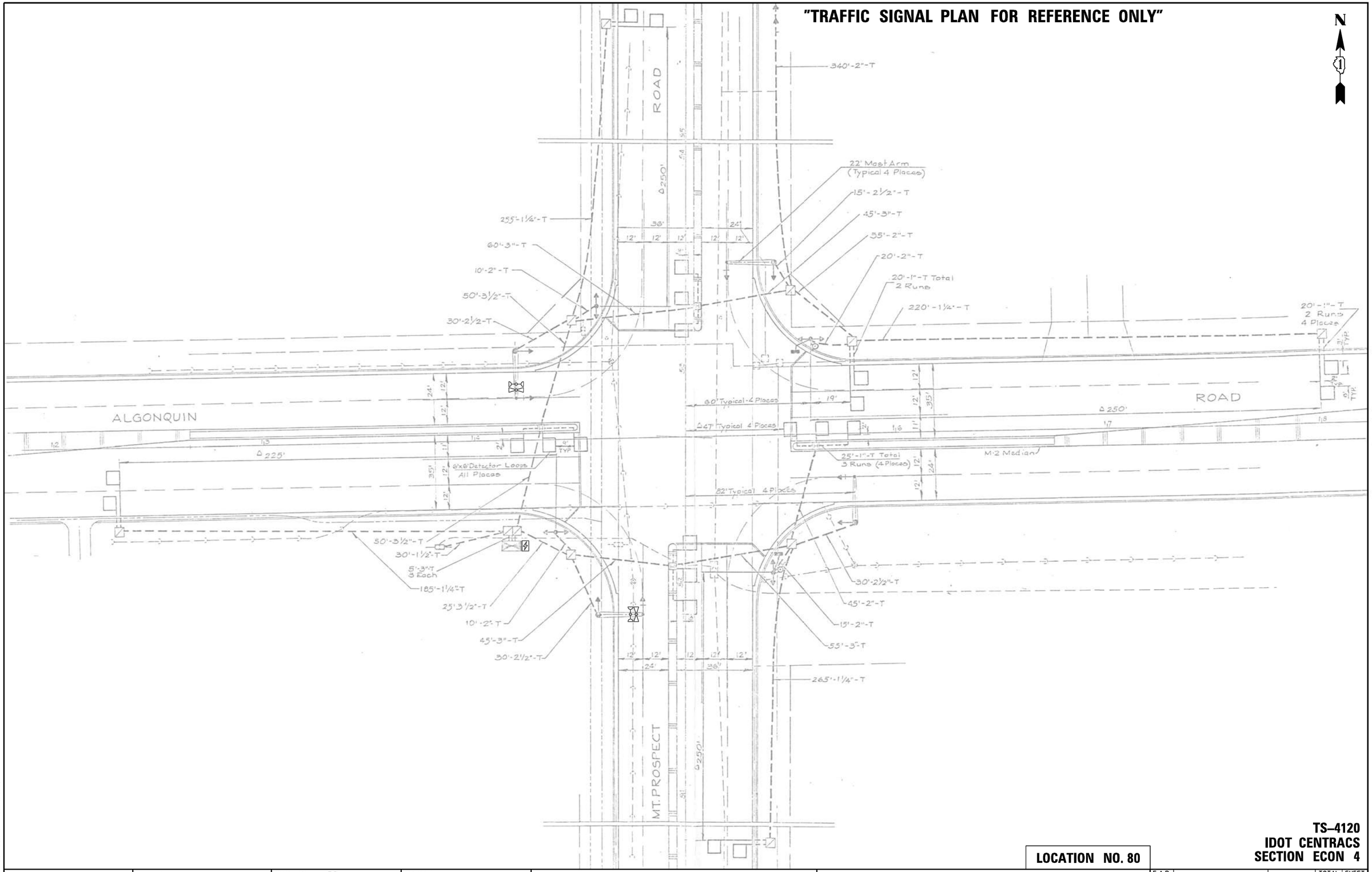
SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

LOCATION NO. 79

TS–13005
IDOT CENTRACS
SECTION ECON 4

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	80
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



TS–4120
IDOT CENTRACS
SECTION ECON 4

LOCATION NO. 80

TS SHT NO. 73

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / GRADES CHECKED / R.O.W. MONUMENTED / CADD FILE NAME / NOTE BOOK / NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R.O.W. MONUMENTED / STRUCTURE NO(S) CHKD / NOTE BOOK / NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fberiso	DESIGNED - BC	REVISED -
	ECON4_15_MOD_Algonquin-Mt Prospect.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

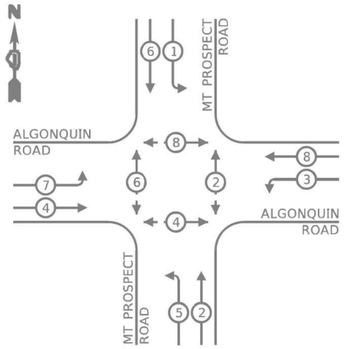
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
ALGONQUIN ROAD AND MT PROSPECT ROAD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	81
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

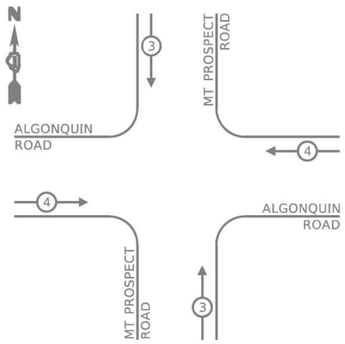
EXISTING CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



CONSTRUCTION NOTE:

(1) THE EXISTING CELLULAR MODEM SHALL BE RELOCATED FROM LOCATION 33 - IL ROUTE 83 (BUSSE RD) AND IL ROUTE 72 HIGGINS RD / OAKTON ST) TO THIS LOCATION. A NEW ANTENNA SHALL BE INSTALLED AT THIS LOCATION. THE COST ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE PAY ITEM: RELOCATE TRAFFIC SIGNAL EQUIPMENT (ACCOUNTED FOR IN LOCATION 33).

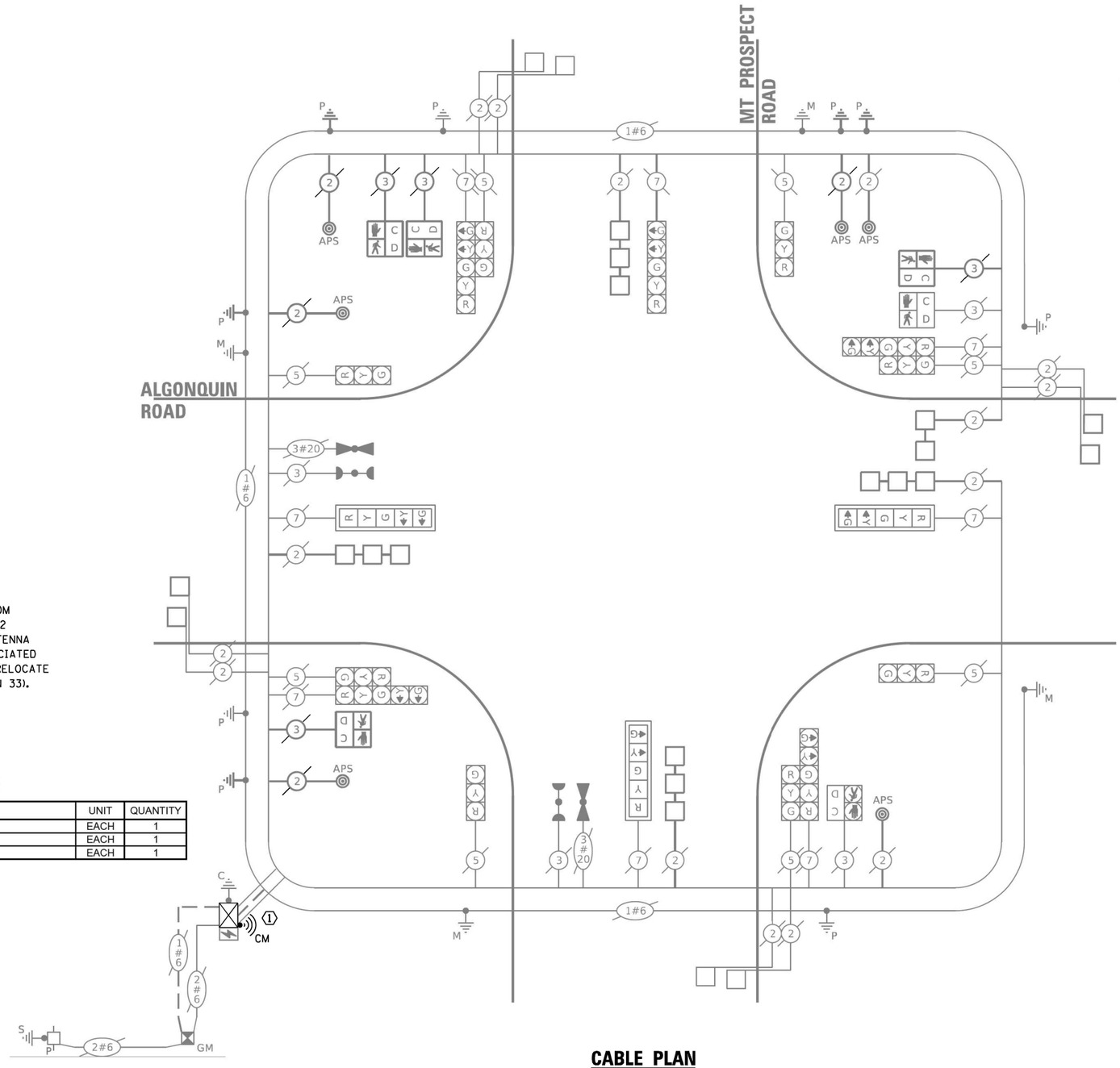
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING =			**472**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**1077**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 01131-00020

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
NETWORK SWITCH, ACCESS	EACH	1



CABLE PLAN

(NOT TO SCALE)

TS SHT NO. 74

TS–4120
IDOT CENTRACS
SECTION ECON 4

LOCATION NO. 80

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarlso	DESIGNED - BC	REVISED -	
ECON4_16_CAB_Algonquin-Mt Prospect.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGRAM
ALGONQUIN ROAD AND MT PROSPECT ROAD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

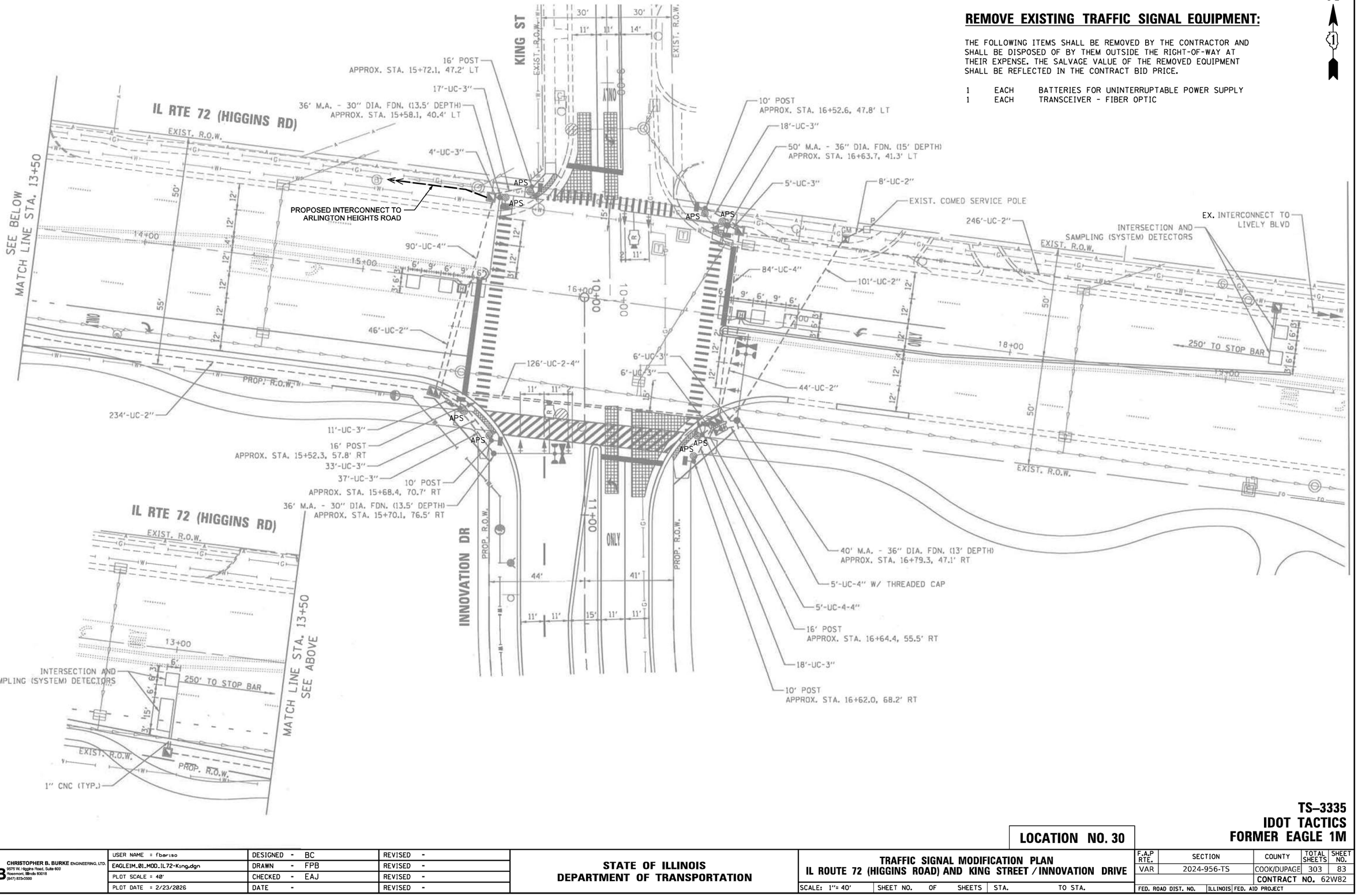
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	82
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NOTATIONS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTED, CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1	EACH	TRANSCEIVER - FIBER OPTIC

N

LOCATION NO. 30

TS–3335
IDOT TACTICS
FORMER EAGLE 1M

TS SHT NO. 75

PLAN — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, STRUCTURE NOTATNS CHKD — NOTE BOOK, NO. — BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, CADD FILE NAME — NOTE BOOK, NO. — BY, DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarlso	DESIGNED - BC	REVISED -	
EAGLEIM_01_MOD_IL72-King.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

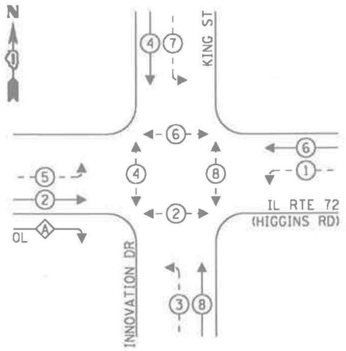
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 72 (HIGGINS ROAD) AND KING STREET / INNOVATION DRIVE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	83
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



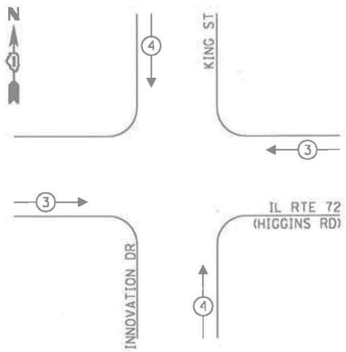
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

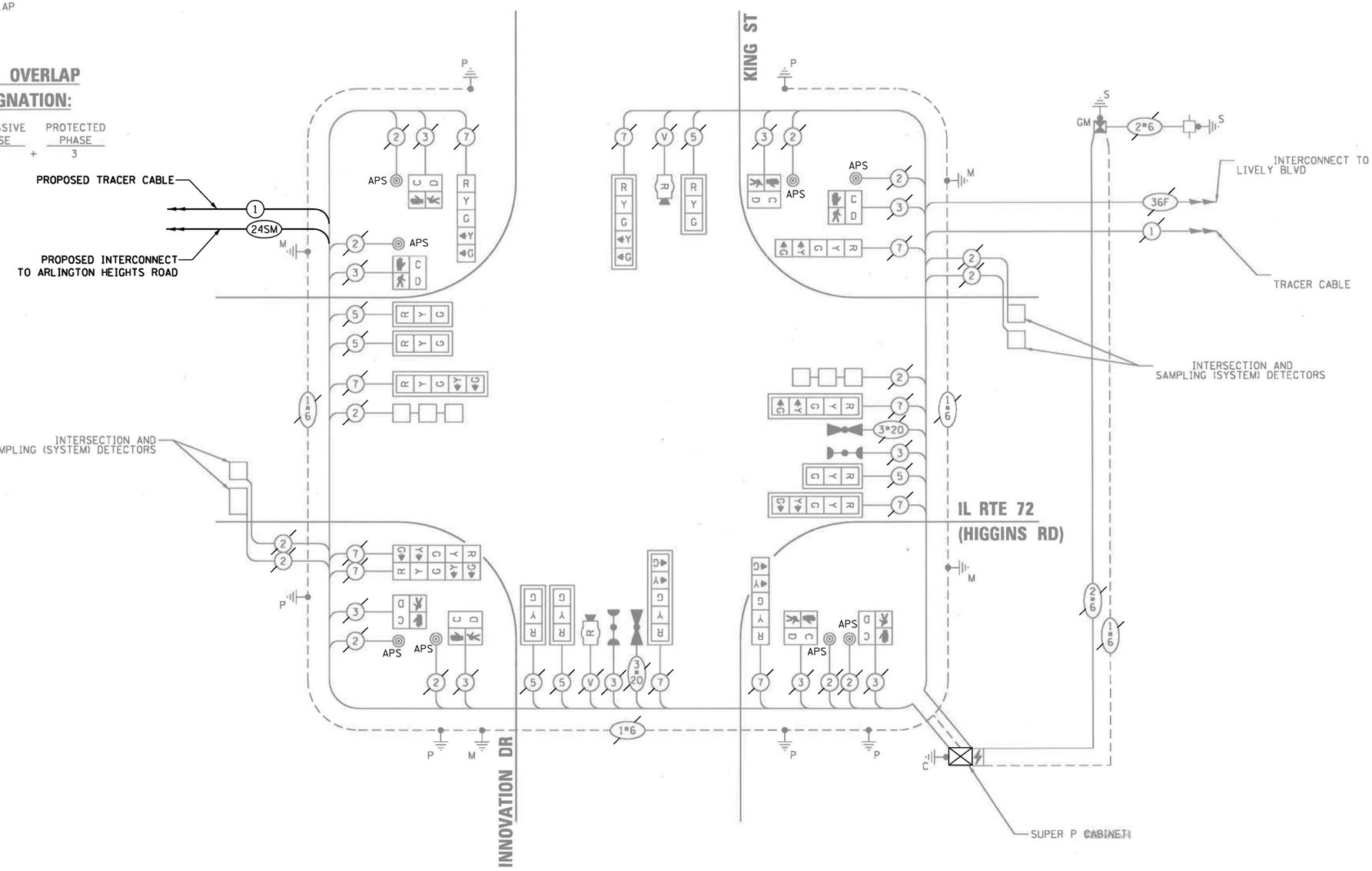
OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	12
NETWORK SWITCH ACCESS	EACH	1



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	2	20	40
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**556**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**1161**

ENERGY COSTS TO:
ELK GROVE VILLAGE

901 WELLINGTON AVENUE
ELK GROVE VILLAGE, IL 60007
ENERGY SUPPLY: CONTACT: CHRISTINE LEFTWICH
PHONE: (630) 424-5124
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 0829153004

LOCATION NO. 30

TS–3335
IDOT TACTICS
FORMER EAGLE 1M

TS SHT NO. 76

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / ALL NOTES CHECKED / CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

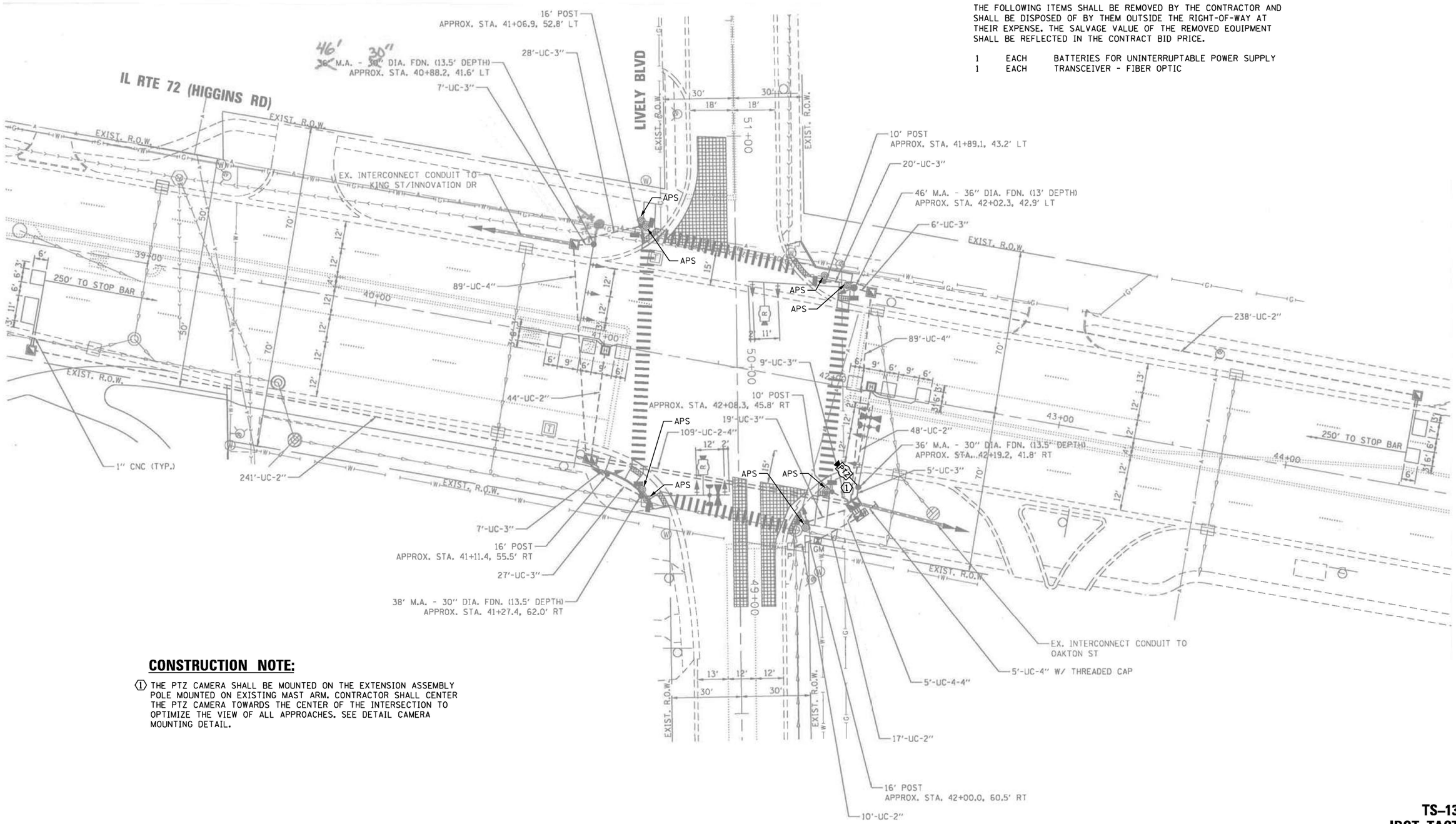
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = bchavez	DESIGNED - BC	REVISED -
	EAGLE1M_02_CAB_IL72-King.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 5/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 72 (HIGGINS ROAD) AND KING STREET / INNOVATION DRIVE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	84
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



N

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1	EACH	TRANSCEIVER - FIBER OPTIC

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

TS–13140
IDOT TACTICS
FORMER EAGLE 1M

LOCATION NO. 31

TS SHT NO. 77

PLAN / PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R.O.W. MONUMENTED / STRUCTURE NOTATIONS CHKD — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarlso	DESIGNED - BC	REVISED -	
EAGLE1M_03_MOD_IL72-Lively.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

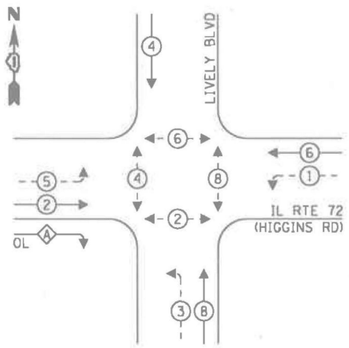
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 72 (HIGGINS ROAD) AND LIVELY BOULEVARD

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	85
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



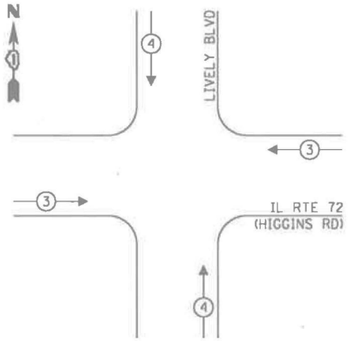
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

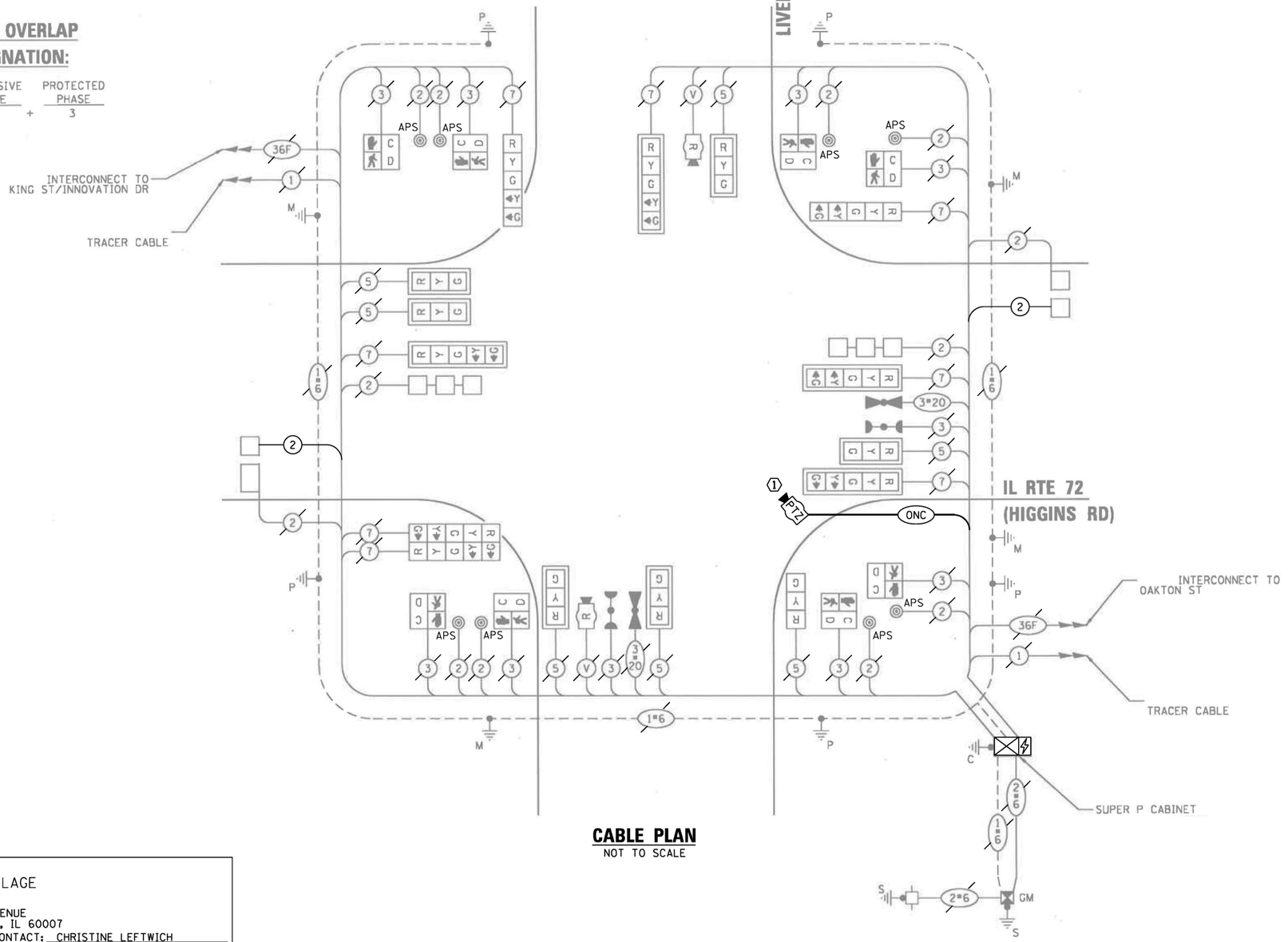


SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	755
INDUCTIVE LOOP DETECTOR	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	71
TACTICS LICENSE EXPANSION	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	8
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.



CABLE PLAN
NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	7	11	77
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	2	20	40
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**541**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1221**

ENERGY COSTS TO:
ELK GROVE VILLAGE

901 WELLINGTON AVENUE
ELK GROVE VILLAGE, IL 60007
ENERGY SUPPLY: CONTACT: CHRISTINE LEFTWICH
PHONE: (630) 424-5124
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 0829153004

LOCATION NO. 31

TS–13140
IDOT TACTICS
FORMER EAGLE 1M

TS SHT NO. 78

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = bchavez	DESIGNED - BC	REVISED -	
EAGLE1M_04_CAB_IL72-Lively.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 5/7/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, SEQUENCE OF OPERATIONS, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 72 (HIGGINS ROAD) AND LIVELY BOULEVARD

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	86
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. STAKED, STRUCTURE — NOTATNS CH'KD — BY — DATE — NOTE BOOK — NO.

CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. STAKED, CADD FILE NAME — BY — DATE — NOTE BOOK — NO.

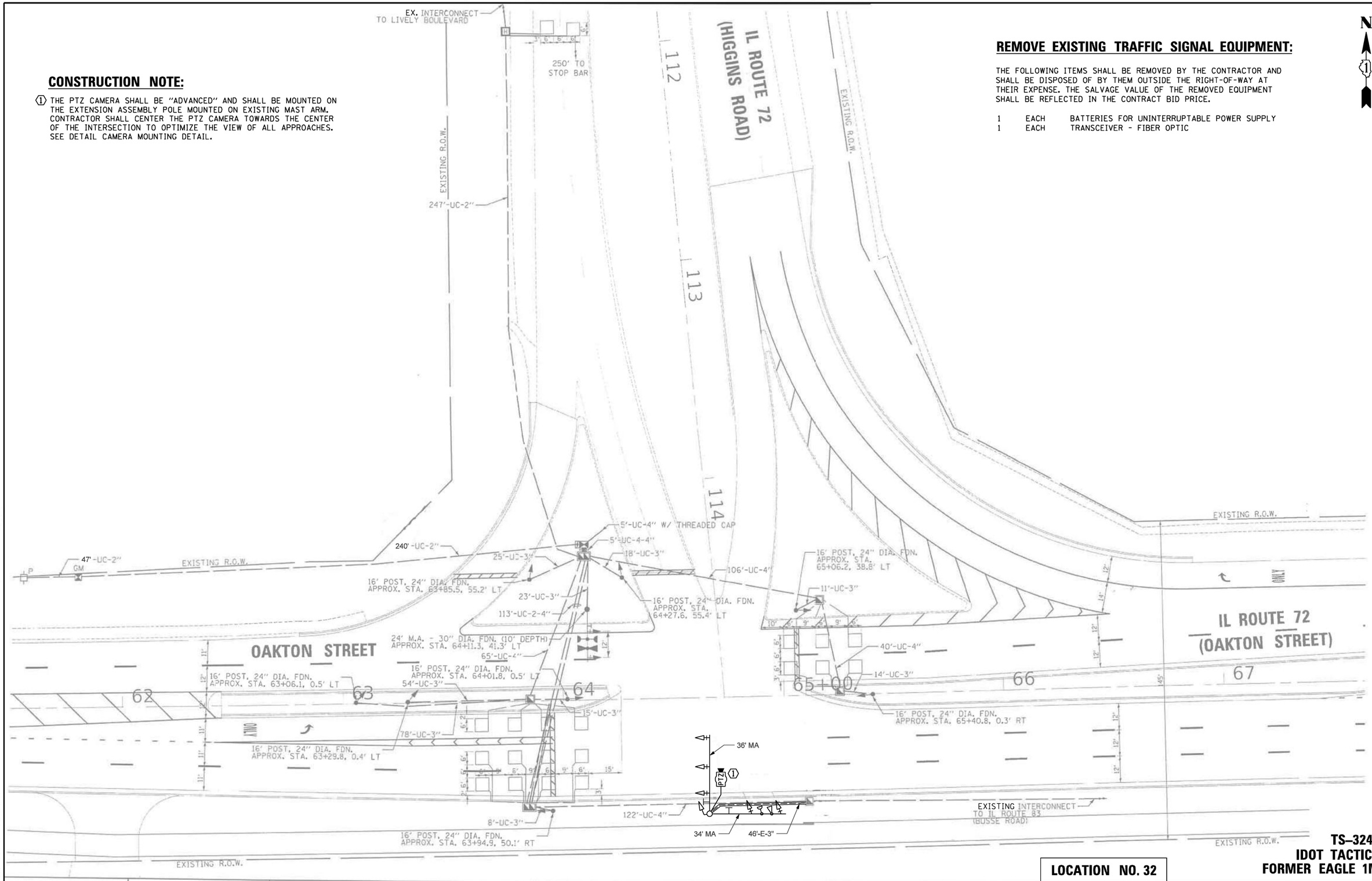
CONSTRUCTION NOTE:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1	EACH	TRANSCEIVER - FIBER OPTIC



TS–3240
IDOT TACTICS
FORMER EAGLE 1M

LOCATION NO. 32

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	EAGLEIM_05_MOD_IL72-Oakton.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 72 (HIGGINS ROAD) AND IL ROUTE 72 (OAKTON STREET)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	87
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

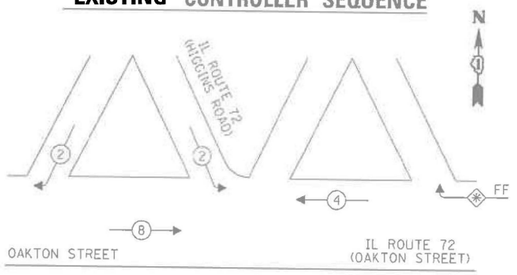
PROFILE: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ B.M. NOTED ___ STRUCTURE NOTAT'NS CH'KD ___ BY ___ DATE ___

PLAN: NOTE BOOK NO. ___ SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ RT. OF WAY CHECKED ___ CADD FILE NAME ___ BY ___ DATE ___

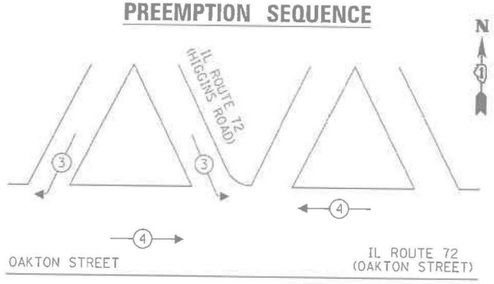
CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

TS SHT NO. 79

EXISTING CONTROLLER SEQUENCE

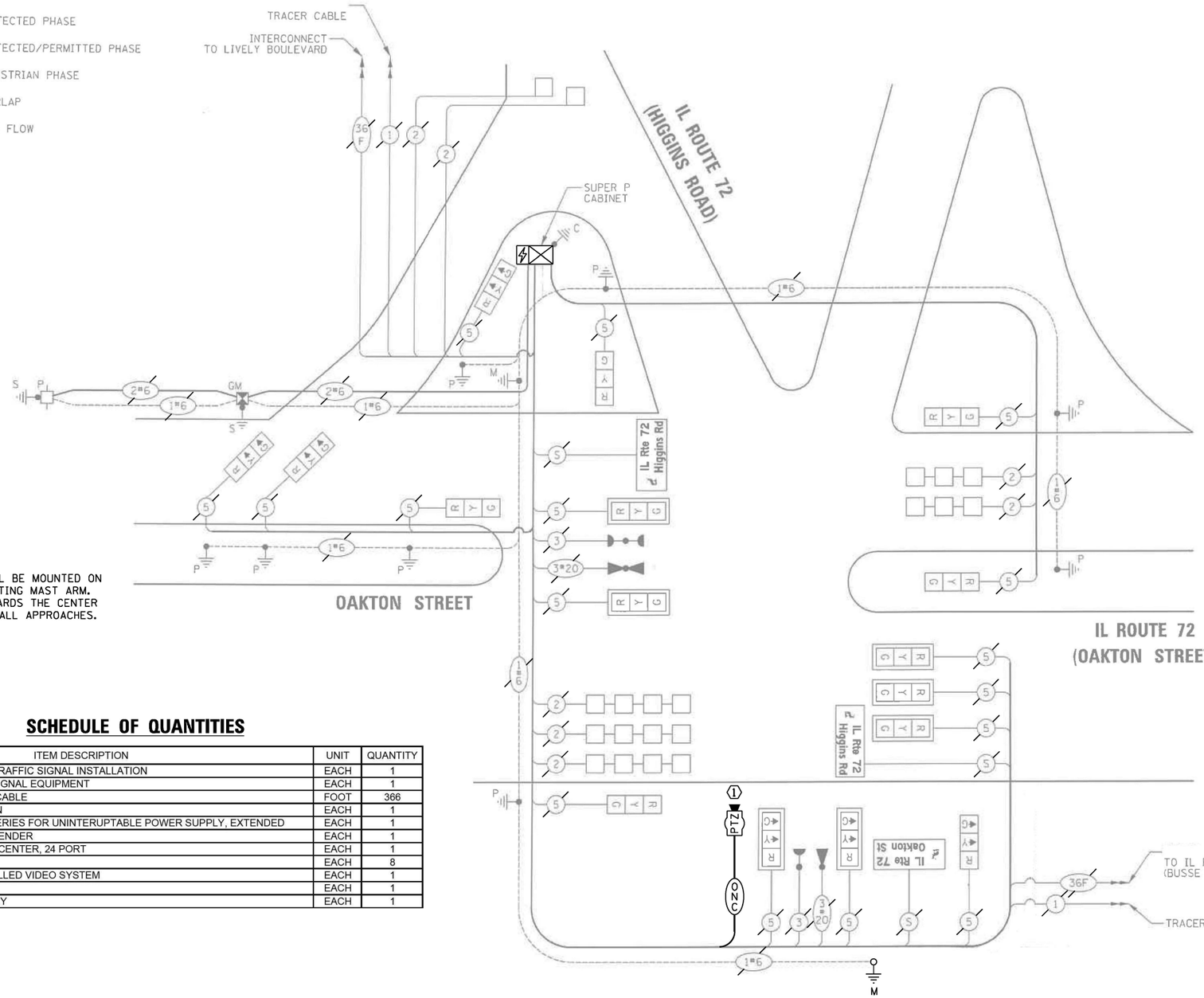


EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP
- FF — FREE FLOW



CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	366
TACTICS LICENSE EXPANSION	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	8
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			376
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	2	120	240
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			1221

ENERGY COSTS TO:
ELK GROVE VILLAGE

901 WELLINGTON AVENUE
ELK GROVE VILLAGE, IL 60007
ENERGY SUPPLY: CONTACT: CHRISTINE LEFTWICH
PHONE: (630) 424-5124
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 0829153004

LOCATION NO. 32

TS–3240
IDOT TACTICS
FORMER EAGLE 1M

TS SHT NO. 80

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE — NOTATNS CH'KD — BY — DATE — NOTE BOOK — NO.

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTED, CADD FILE NAME — BY — DATE — NOTE BOOK — NO.

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = bchavez	DESIGNED - BC	REVISED -
	EAGLE1M_06_CAB_IL72-Oakton.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 5/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 72 (HIGGINS ROAD) AND IL ROUTE 72 (OAKTON STREET)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	88
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1	EACH	TRANSCEIVER - FIBER OPTIC

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1	EACH	MASTER CONTROLLER

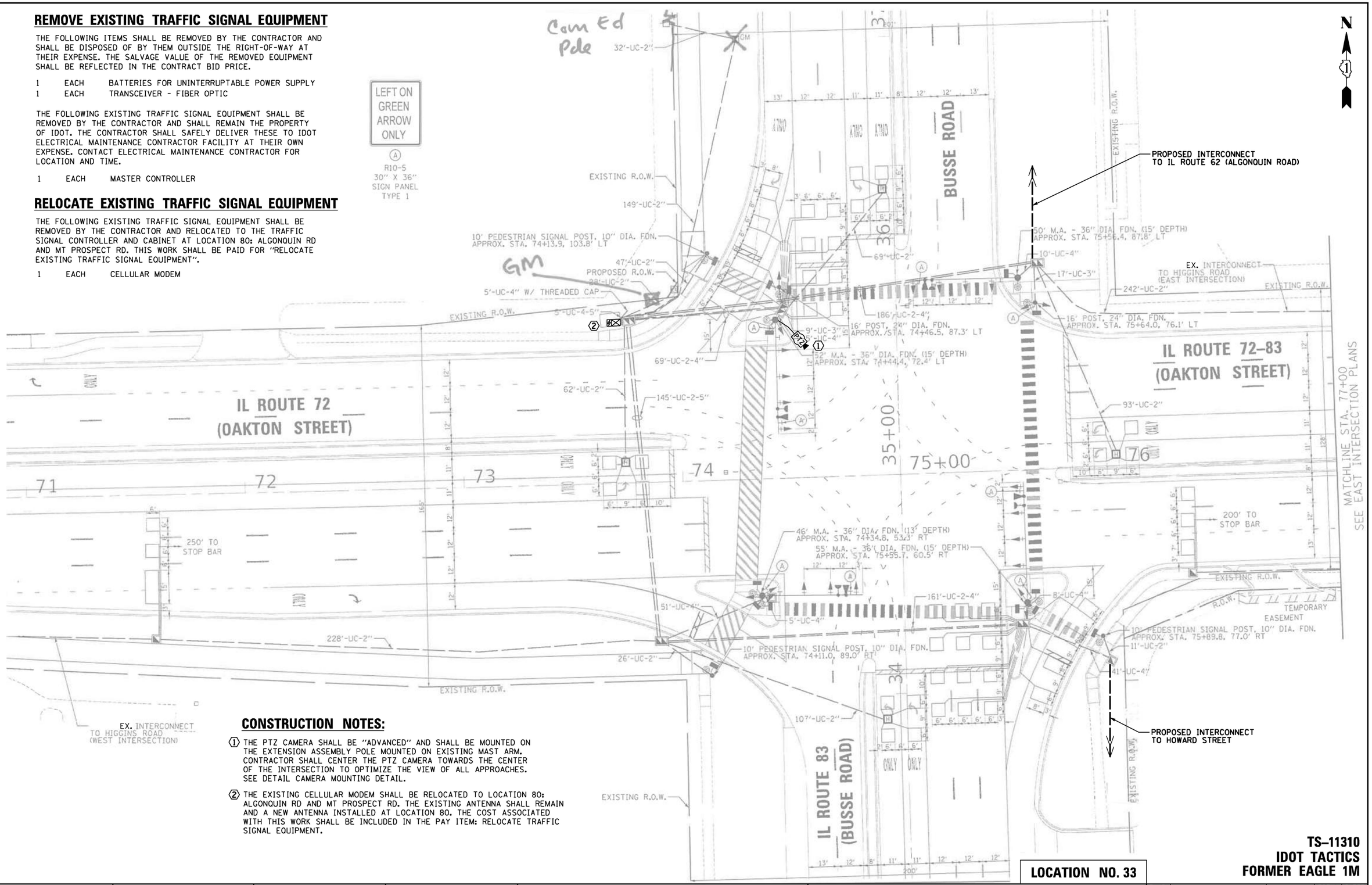
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE TRAFFIC SIGNAL CONTROLLER AND CABINET AT LOCATION 80: ALGONQUIN RD AND MT PROSPECT RD. THIS WORK SHALL BE PAID FOR "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT".

1	EACH	CELLULAR MODEM

LEFT ON GREEN ARROW ONLY

(A) R10-5 30" X 36" SIGN PANEL TYPE 1



CONSTRUCTION NOTES:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

(2) THE EXISTING CELLULAR MODEM SHALL BE RELOCATED TO LOCATION 80: ALGONQUIN RD AND MT PROSPECT RD. THE EXISTING ANTENNA SHALL REMAIN AND A NEW ANTENNA INSTALLED AT LOCATION 80. THE COST ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE PAY ITEM: RELOCATE TRAFFIC SIGNAL EQUIPMENT.

LOCATION NO. 33

TS-11310
IDOT TACTICS
FORMER EAGLE 1M

TS SHT NO. 81

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NOTATIONS CHK'D — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. MONUMENTED, CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -	
EAGLE1M_07_MOD_IL72-IL83(Busse).dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

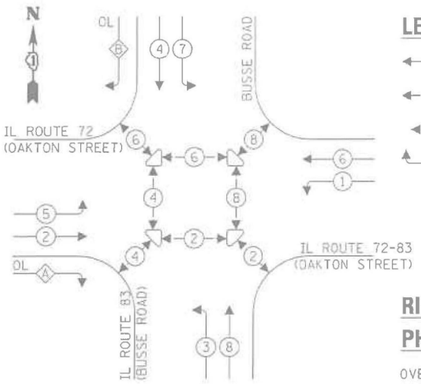
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 72 / 83 (OAKTON ST) AND IL ROUTE 83 (BUSSE RD)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	89
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



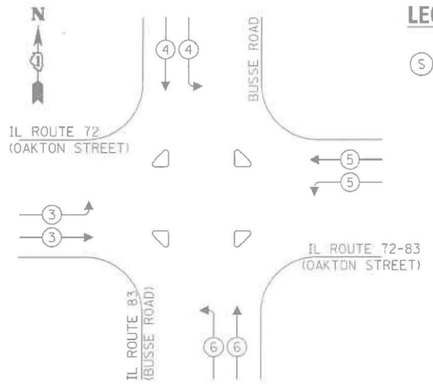
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

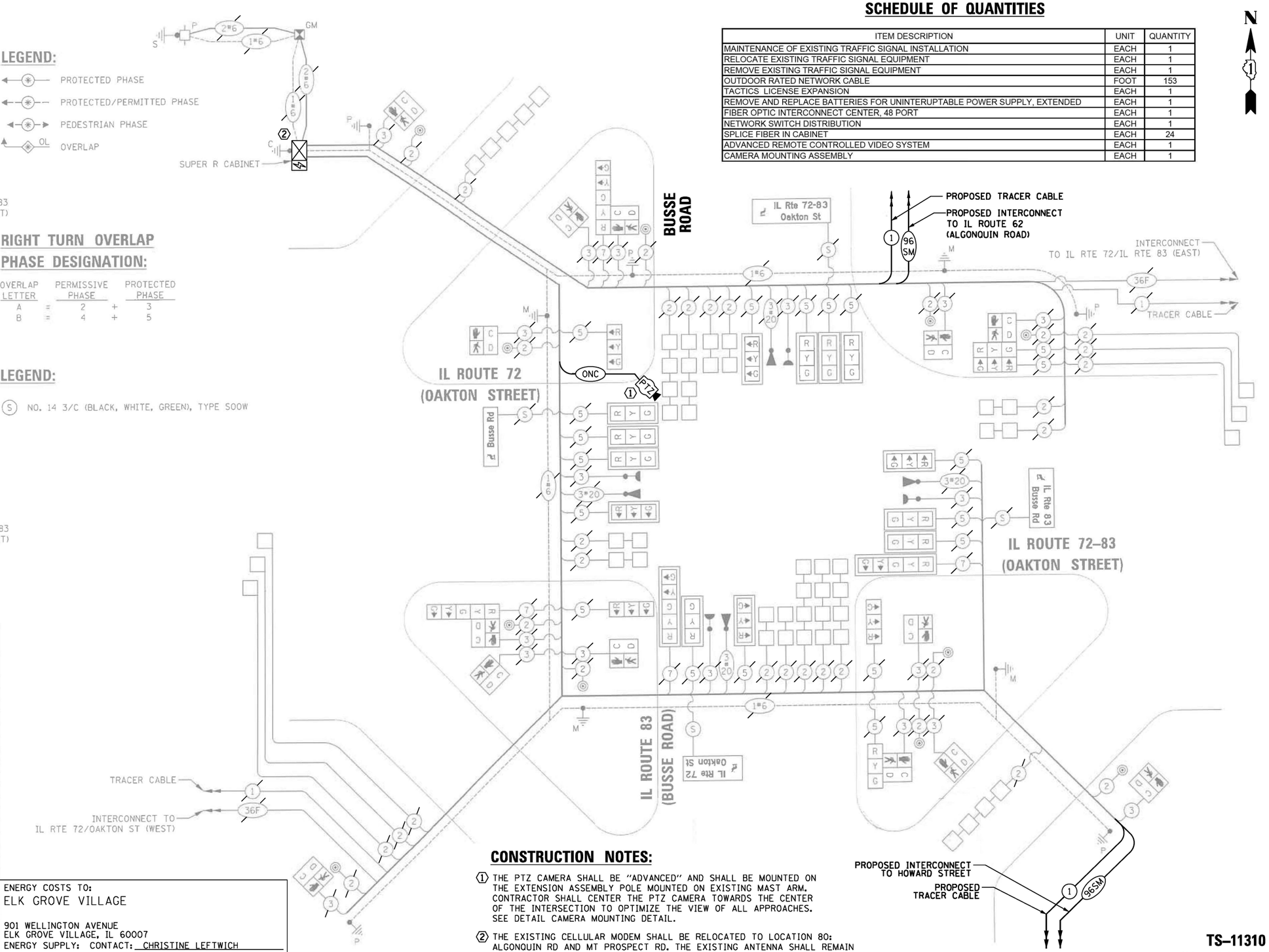


LEGEND:

(S) NO. 14 3/C (BLACK, WHITE, GREEN), TYPE SOOW

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	153
TACTICS LICENSE EXPANSION	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
NETWORK SWITCH DISTRIBUTION	EACH	1
SPLICE FIBER IN CABINET	EACH	24
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	19	11	209
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	14	15	210
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**671**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	4	120	480
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1831**

ENERGY COSTS TO:
ELK GROVE VILLAGE

901 WELLINGTON AVENUE
ELK GROVE VILLAGE, IL 60007
ENERGY SUPPLY: CONTACT: CHRISTINE LEFTWICH
PHONE: (630) 424-5124
COMPANY: COMED
ACCOUNT NUMBER: 0829153004

CONSTRUCTION NOTES:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.
2. THE EXISTING CELLULAR MODEM SHALL BE RELOCATED TO LOCATION 80: ALGONQUIN RD AND MT PROSPECT RD. THE EXISTING ANTENNA SHALL REMAIN AND A NEW ANTENNA INSTALLED AT LOCATION 80. THE COST ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE PAY ITEM: RELOCATE TRAFFIC SIGNAL EQUIPMENT.

LOCATION NO. 33

TS–11310
IDOT TACTICS
FORMER EAGLE 1M

TS SHT NO. 82

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, CADD FILE NAME, NOTE BOOK, NO.
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, STRUCTURE, NOTATIONS, CHK'D
DATE, BY

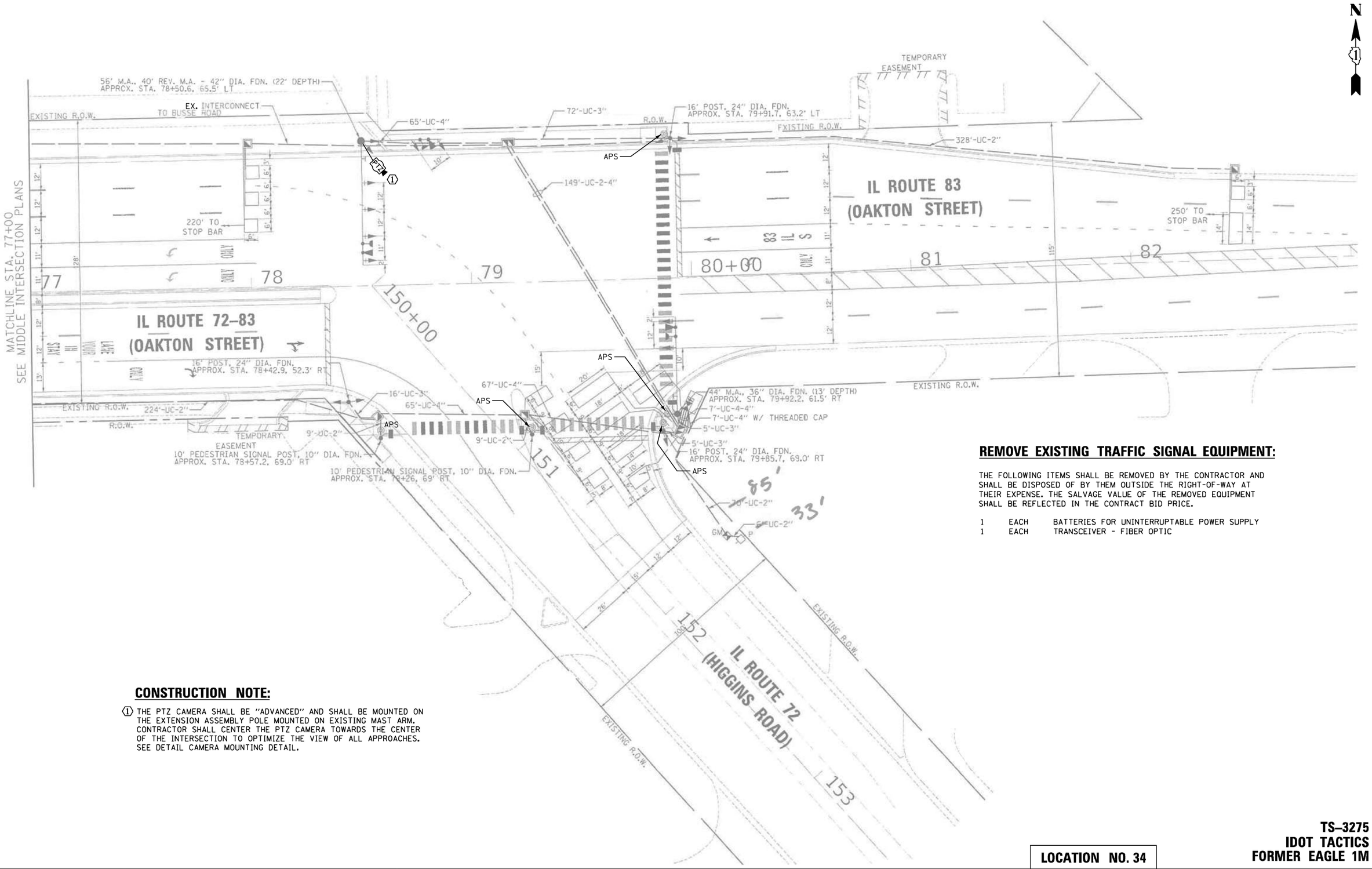
USER NAME = bchavez	DESIGNED - BC	REVISED -	
EAGLE1M_08_CAB_IL72-IL83(Busse).dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 5/7/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 72 (HIGGINS RD)/OAKTON ST AND IL RTE 83 (BUSSE RD)

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	90
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

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

1	EACH	BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY
1	EACH	TRANSCEIVER - FIBER OPTIC

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

LOCATION NO. 34

TS–3275
IDOT TACTICS
FORMER EAGLE 1M

TS SHT NO. 83

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, GRADES CHECKED, R.O.W. MONUMENTED, CADD FILE NAME, NOTATIONS CHKD, STRUCTURE, NOTE BOOK, NO. — BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE, NOTE BOOK, NO. — BY, DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbarlso	DESIGNED - BC	REVISED -	
EAGLE1M_09_MOD_IL72-IL83-Oakton.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

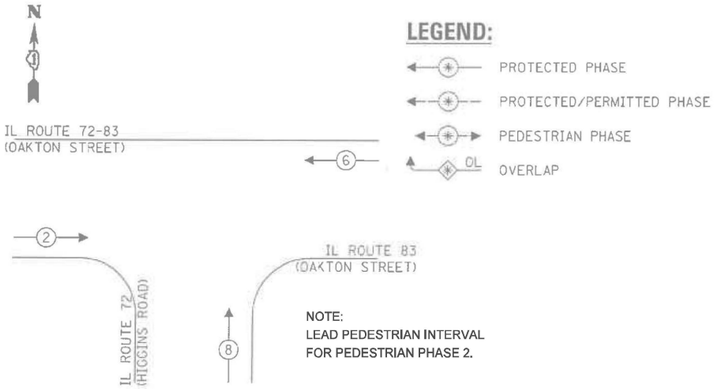
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL RTE 72 (HIGGINS RD) AND IL RTE 72–83 / OAKTON STREET

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	91
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE

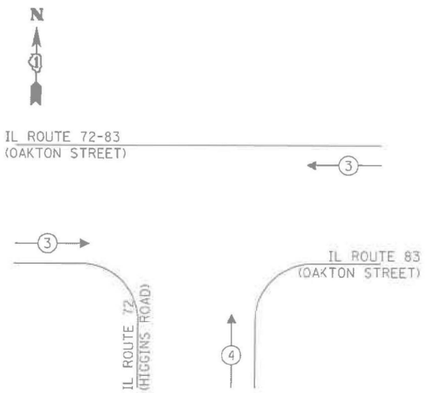


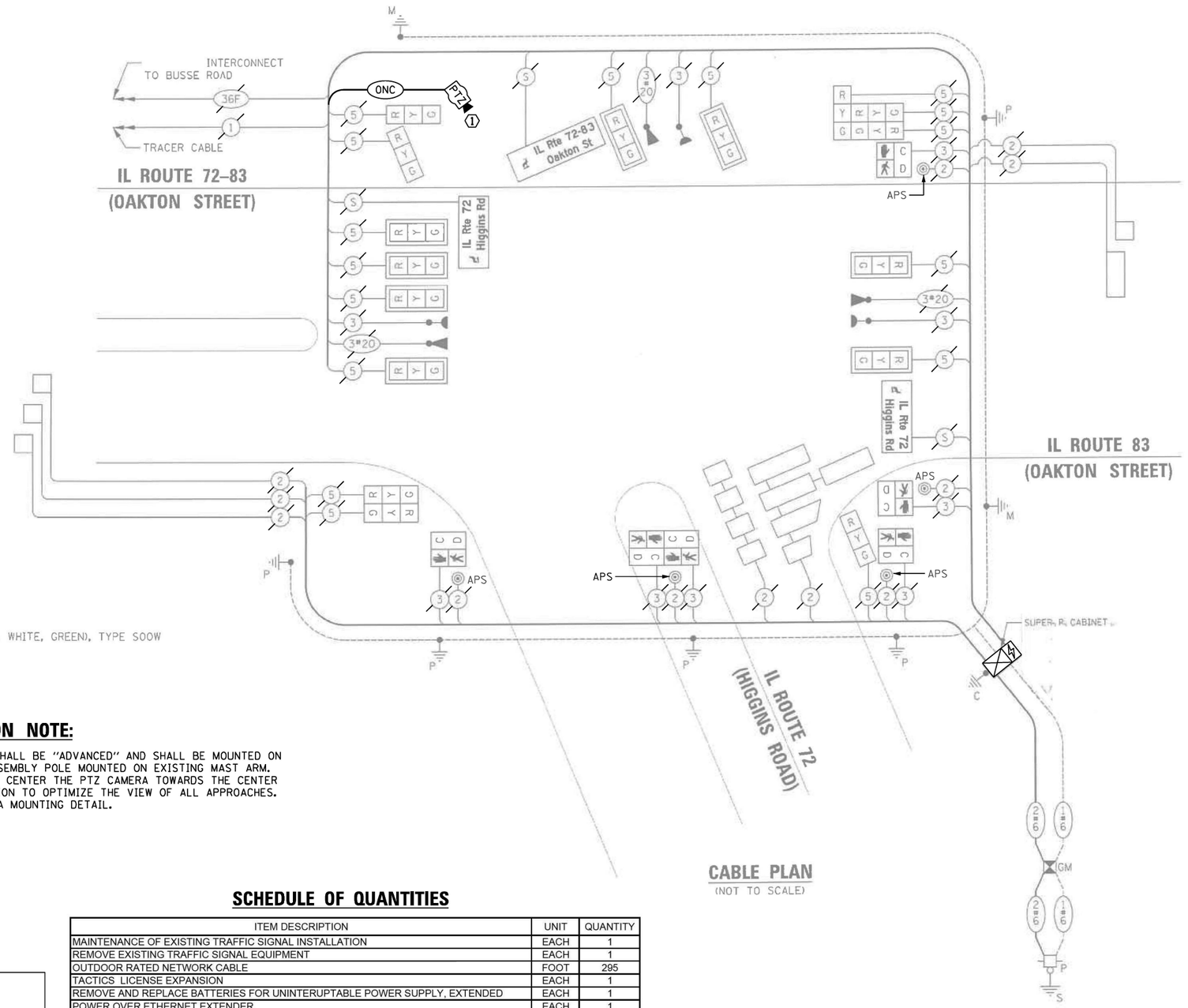
LEGEND:

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

NOTE:
LEAD PEDESTRIAN INTERVAL
FOR PEDESTRIAN PHASE 2.

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





LEGEND:

(S) NO. 14 3/C (BLACK, WHITE, GREEN), TYPE SOOW

CABLE PLAN
(NOT TO SCALE)

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**466**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	3	120	360
LUMINAIRE	-	240	-
PTZ CAMERA	-	75	-
TOTAL SERVICE WIRE SIZING =			**1431**

ENERGY COSTS TO:
ELK GROVE VILLAGE

901 WELLINGTON AVENUE
ELK GROVE VILLAGE, IL 60007
ENERGY SUPPLY: CONTACT: CHRISTINE LEFTWICH
PHONE: (630) 424-5124
COMPANY: COMED
ACCOUNT NUMBER: 0829153004

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	295
TACTICS LICENSE EXPANSION	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
NETWORK SWITCH ACCESS	EACH	1
SPLICE FIBER IN CABINET	EACH	8
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

LOCATION NO. 34

TS–3275
IDOT TACTICS
FORMER EAGLE 1M

TS SHT NO. 84

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = bchavez	DESIGNED - BC	REVISED -
EAGLE1M_10_CAB_IL72-IL83-Oakton.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 5/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 72 (HIGGINS RD) AND IL RTE 72–83 / OAKTON STREET

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	92
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NO(S)/HS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / AS MARKED / CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH CABINET (COMPLETE)

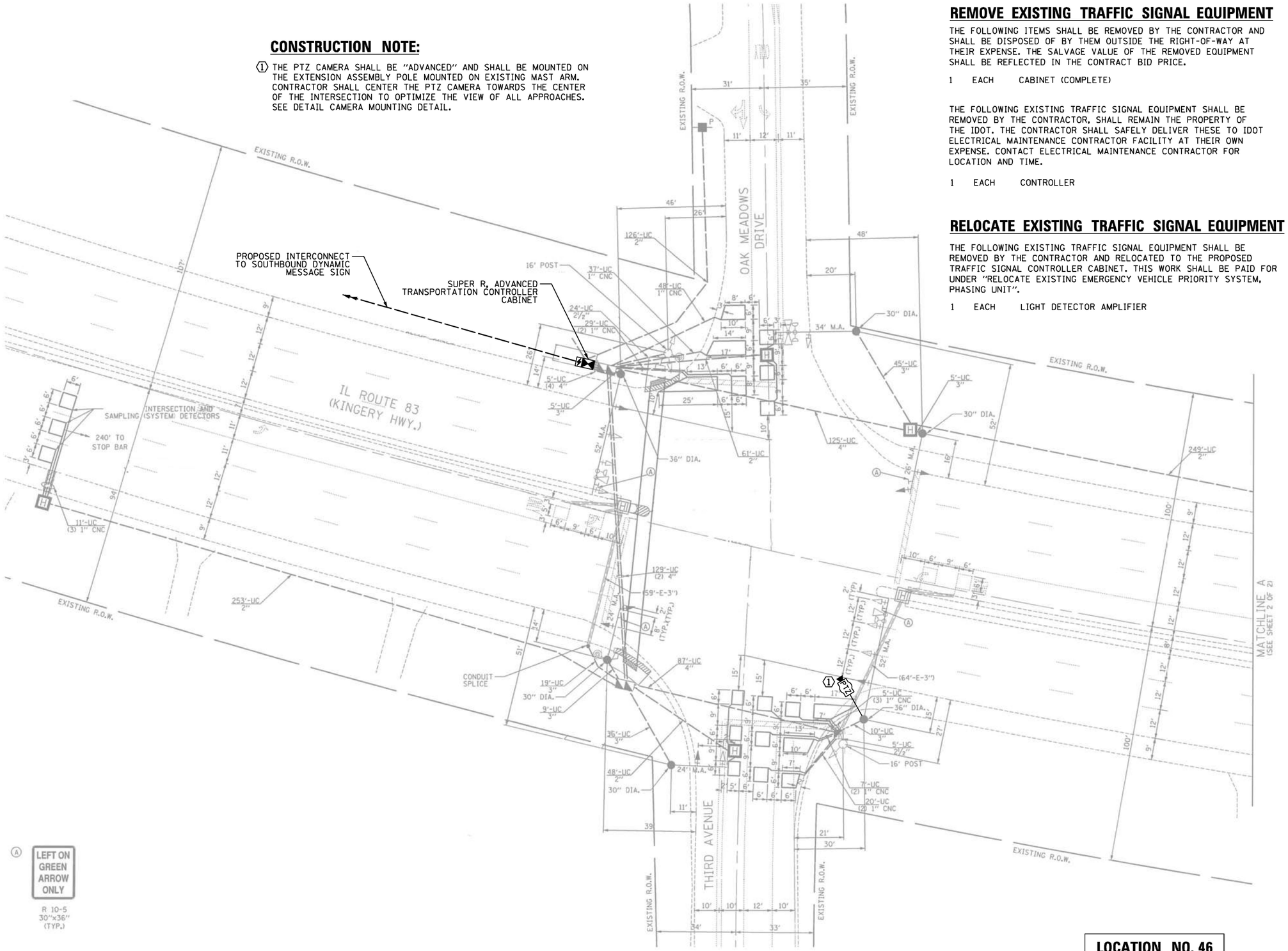
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER



LOCATION NO. 46

TS–545
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 85

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

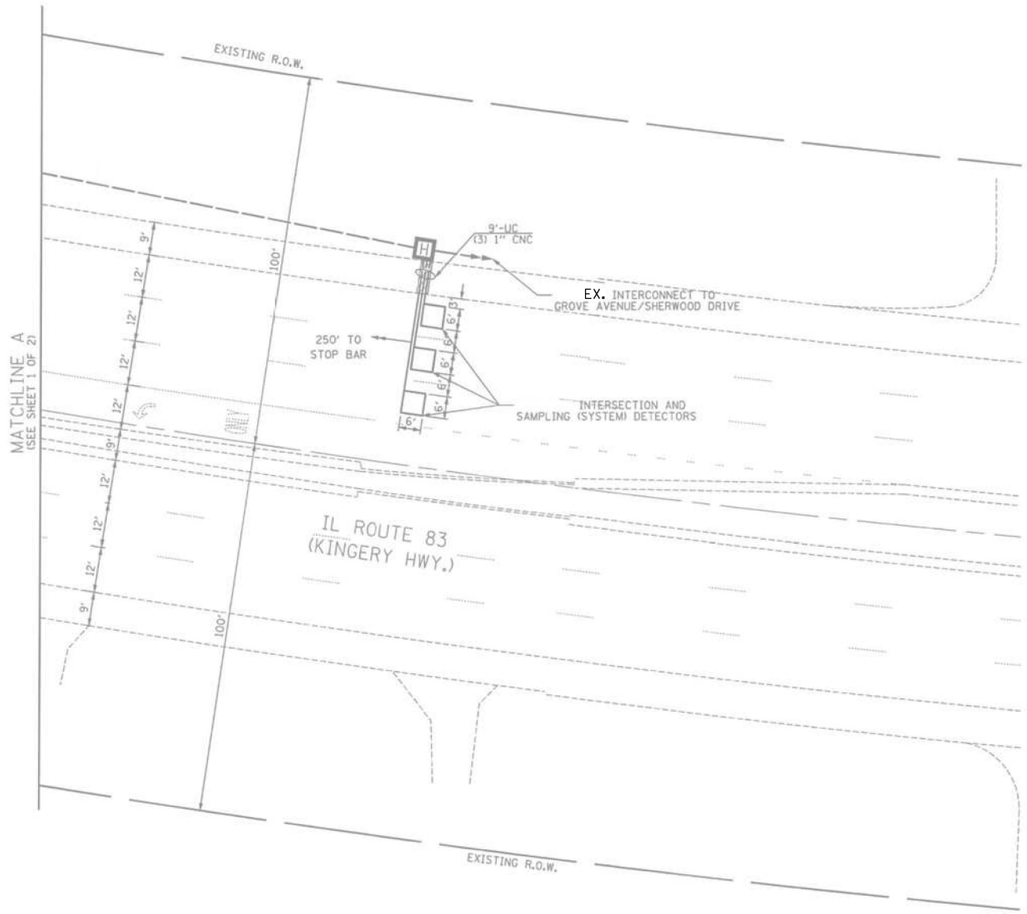
USER NAME = fberiso	DESIGNED - BC	REVISED -	
ECON111_01_MOD1_IL83-Meadows.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (KINGERY HWY) AND OAK MEADOWS DR / THIRD AVE
(SHEET 1 OF 2)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	93
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS SHT NO. 86

PROFILE		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTAT'NS CH'KD		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
	CADD FILE NAME		

TS–545
IDOT CENTRACS
FORMER ECON 111

LOCATION NO. 46

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -	
ECON111_02_MOD2_IL83-Meadows.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

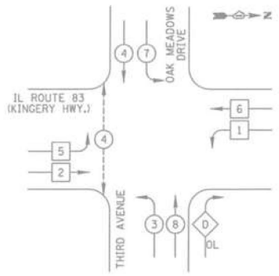
TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (KINGERY HWY) AND OAK MEADOWS DR / THIRD AVE
(SHEET 2 OF 2)

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	94
		CONTRACT NO. 62W82		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

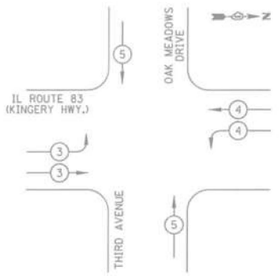
EXISTING CONTROLLER SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



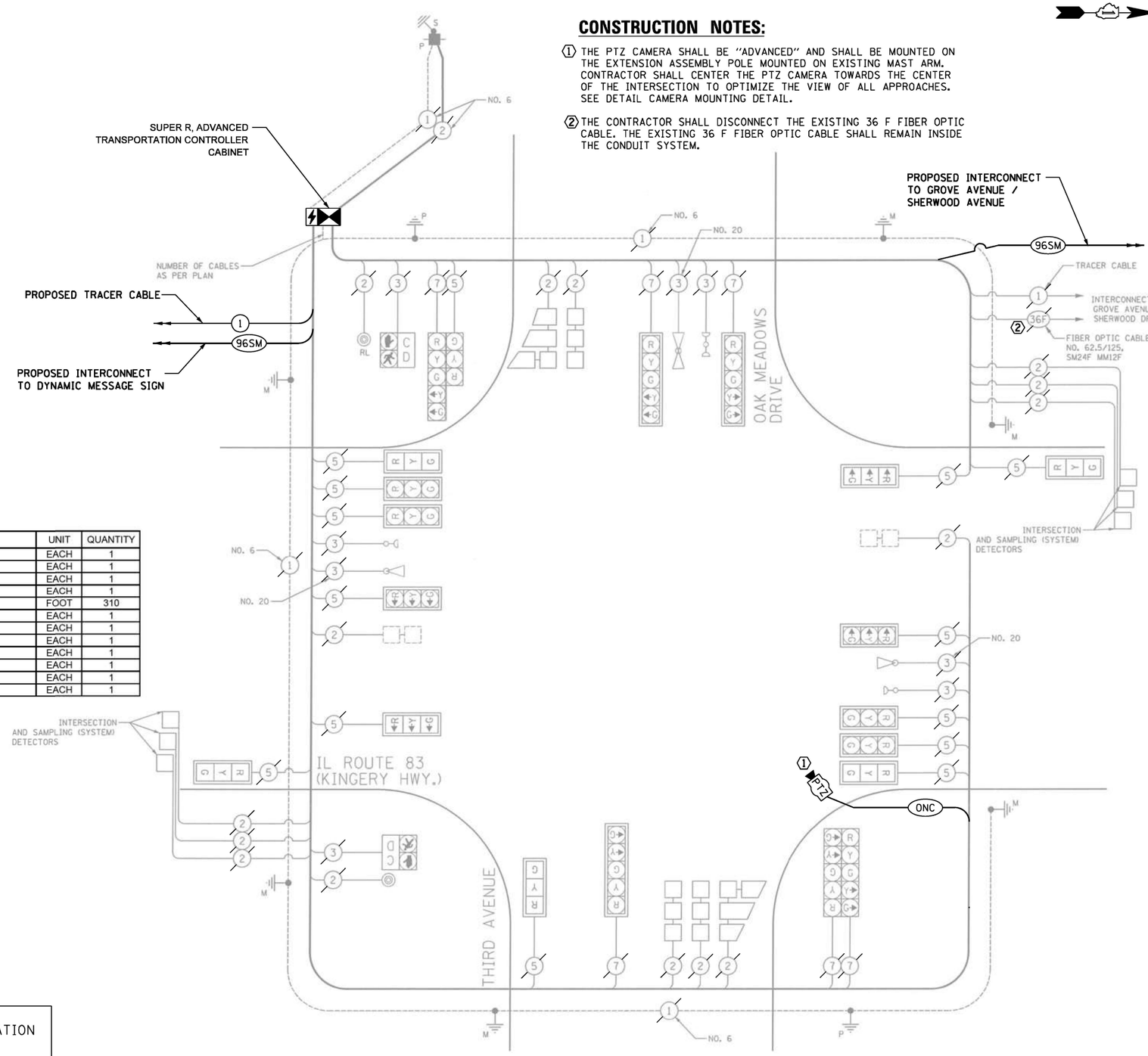
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	310
ADVANCED TRANSPORTATION CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	14	11	154
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**462**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1142**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: TED ZAWISLAK
PHONE: (630) 691-4861
COMPANY: COMED
ACCOUNT NUMBER: ----



CONSTRUCTION NOTES:

1. THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.
2. THE CONTRACTOR SHALL DISCONNECT THE EXISTING 36 F FIBER OPTIC CABLE. THE EXISTING 36 F FIBER OPTIC CABLE SHALL REMAIN INSIDE THE CONDUIT SYSTEM.

CABLE PLAN

NOT TO SCALE

LOCATION NO. 46

TS–545
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 87

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. STAKED, STRUCTURE — NOTATNS CHKD — BY — DATE — NOTE BOOK — NO.

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. STAKED, CADD FILE NAME — BY — DATE — NOTE BOOK — NO.

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC	REVISED -
ECON111_03_CAB_IL83-Meadows.dgn	DRAWN - FPB	REVISED -
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (KINGERY HWY) AND OAK MEADOWS DR / THIRD AVE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	95
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

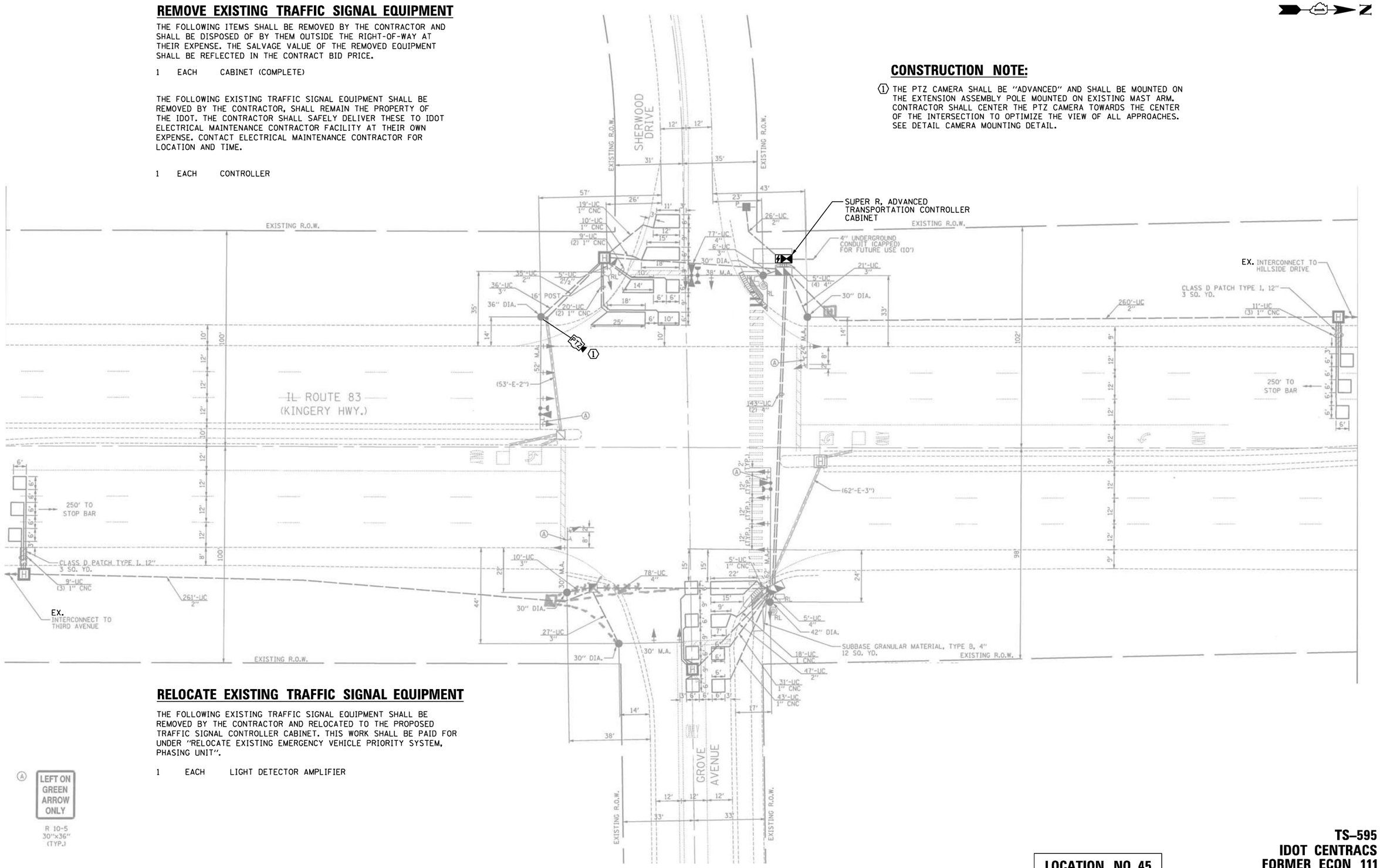
1 EACH CABINET (COMPLETE)

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.



RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER

LOCATION NO. 45

TS–595
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 88

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, ALL DATA VERIFIED, CADD FILE NAME, NOTE BOOK, NO.
PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, ALL DATA VERIFIED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO.
BY | DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fbariso	DESIGNED - BC	REVISED -	
ECON111_04_MOD_IL83-Grove.dgn	DRAWN - FPB	REVISED -	
PLOT SCALE = 40'	CHECKED - EAJ	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

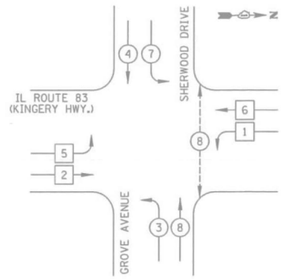
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (KINGERY HWY) AND GROVE AVENUE / SHERWOOD DRIVE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	96
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

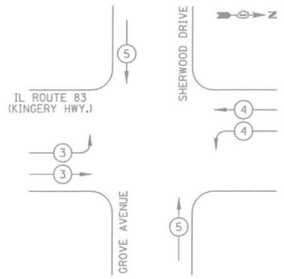
EXISTING
CONTROLLER SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

EXISTING
EMERGENCY VEHICLE
PREEMPTION SEQUENCE



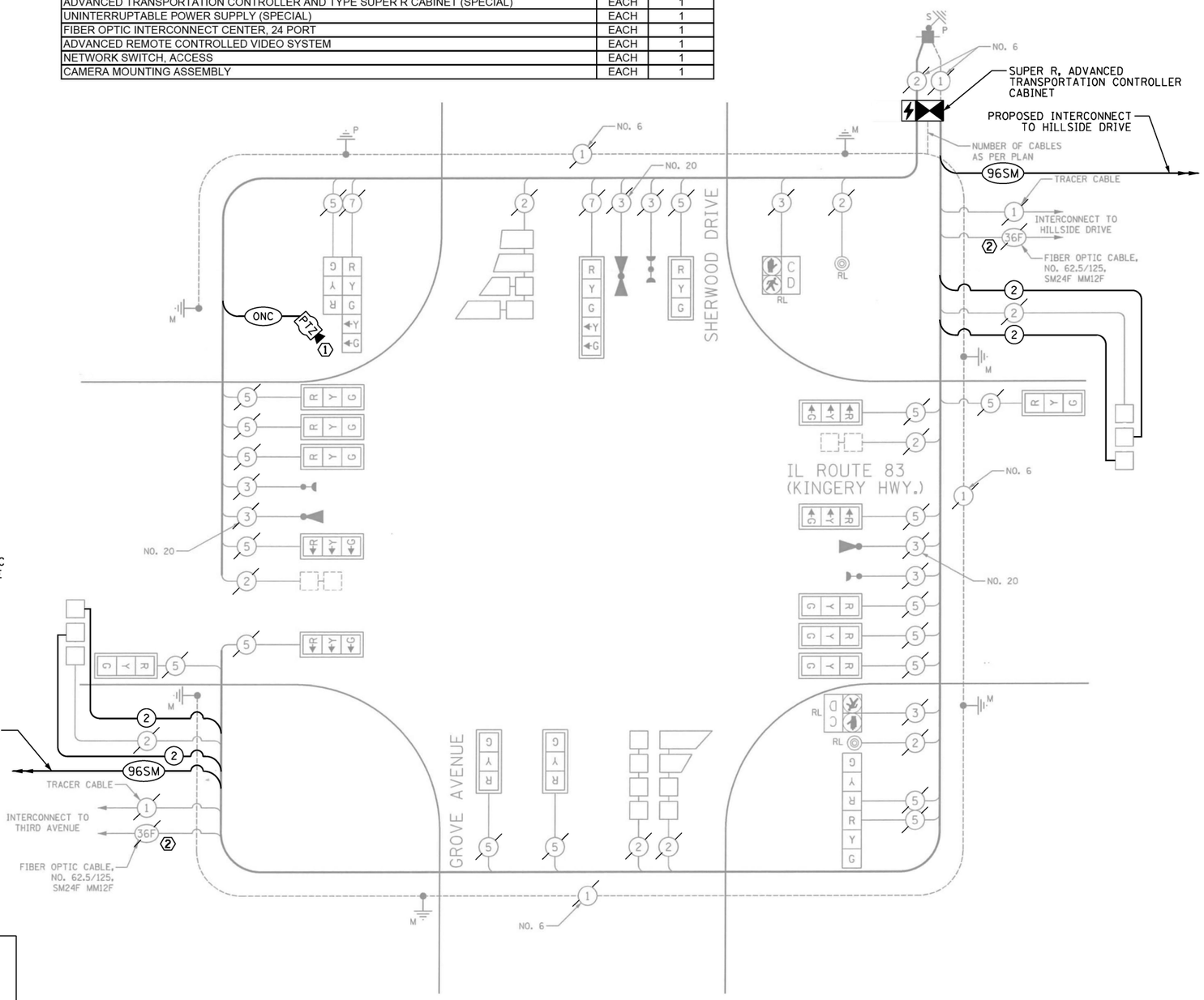
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1646
INDUCTIVE LOOP DETECTOR	EACH	11
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	184
ADVANCED TRANSPORTATION CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1

CONSTRUCTION NOTES:

① THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

② THE CONTRACTOR SHALL DISCONNECT THE EXISTING 36 F FIBER OPTIC CABLE. THE EXISTING 36 F FIBER OPTIC CABLE SHALL REMAIN INSIDE THE CONDUIT SYSTEM.



CABLE PLAN
NOT TO SCALE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	19	11	209
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**465**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1145**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: TED ZAWISLAK
PHONE: (630) 691-4861
COMPANY: COMED
ACCOUNT NUMBER: ----

TS SHT NO. 89

LOCATION NO. 45

TS–595
IDOT CENTRACS
FORMER ECON 111

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / AS BUILT REVISED / CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON111_05_CAB_IL83-Grove.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 3/24/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (KINGERY HWY) AND GROVE AVENUE / SHERWOOD DRIVE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	97
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH CABINET (COMPLETE)

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

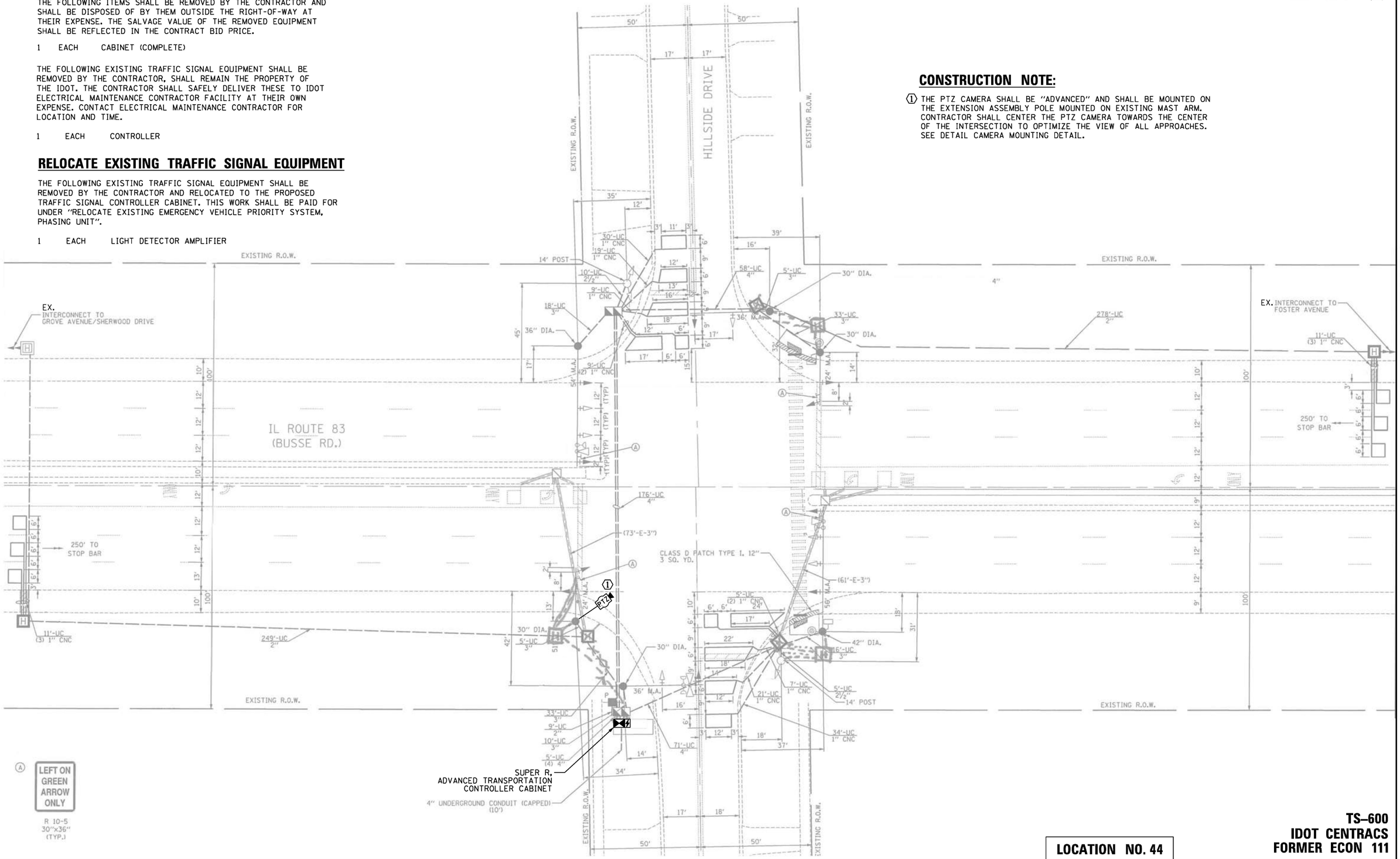
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET. THIS WORK SHALL BE PAID FOR UNDER "RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT".

1 EACH LIGHT DETECTOR AMPLIFIER

CONSTRUCTION NOTE:

(1) THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.



TS SHT NO. 90

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

LOCATION NO. 44

TS–600
IDOT CENTRACS
FORMER ECON 111

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON111_06_MOD_IL83-Hillside.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

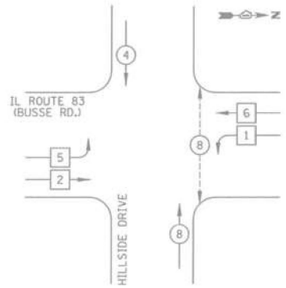
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (BUSSE ROAD) AND HILLSIDE DRIVE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

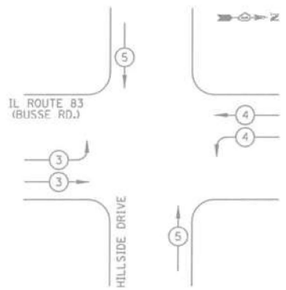
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	98
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING
CONTROLLER SEQUENCE





EXISTING
EMERGENCY VEHICLE
PREEMPTION SEQUENCE



CONSTRUCTION NOTES:

① THE PTZ CAMERA SHALL BE "ADVANCED" AND SHALL BE MOUNTED ON THE EXTENSION ASSEMBLY POLE MOUNTED ON EXISTING MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

② THE CONTRACTOR SHALL DISCONNECT THE EXISTING 36 F FIBER OPTIC CABLE. THE EXISTING 36 F FIBER OPTIC CABLE SHALL REMAIN INSIDE THE CONDUIT SYSTEM.

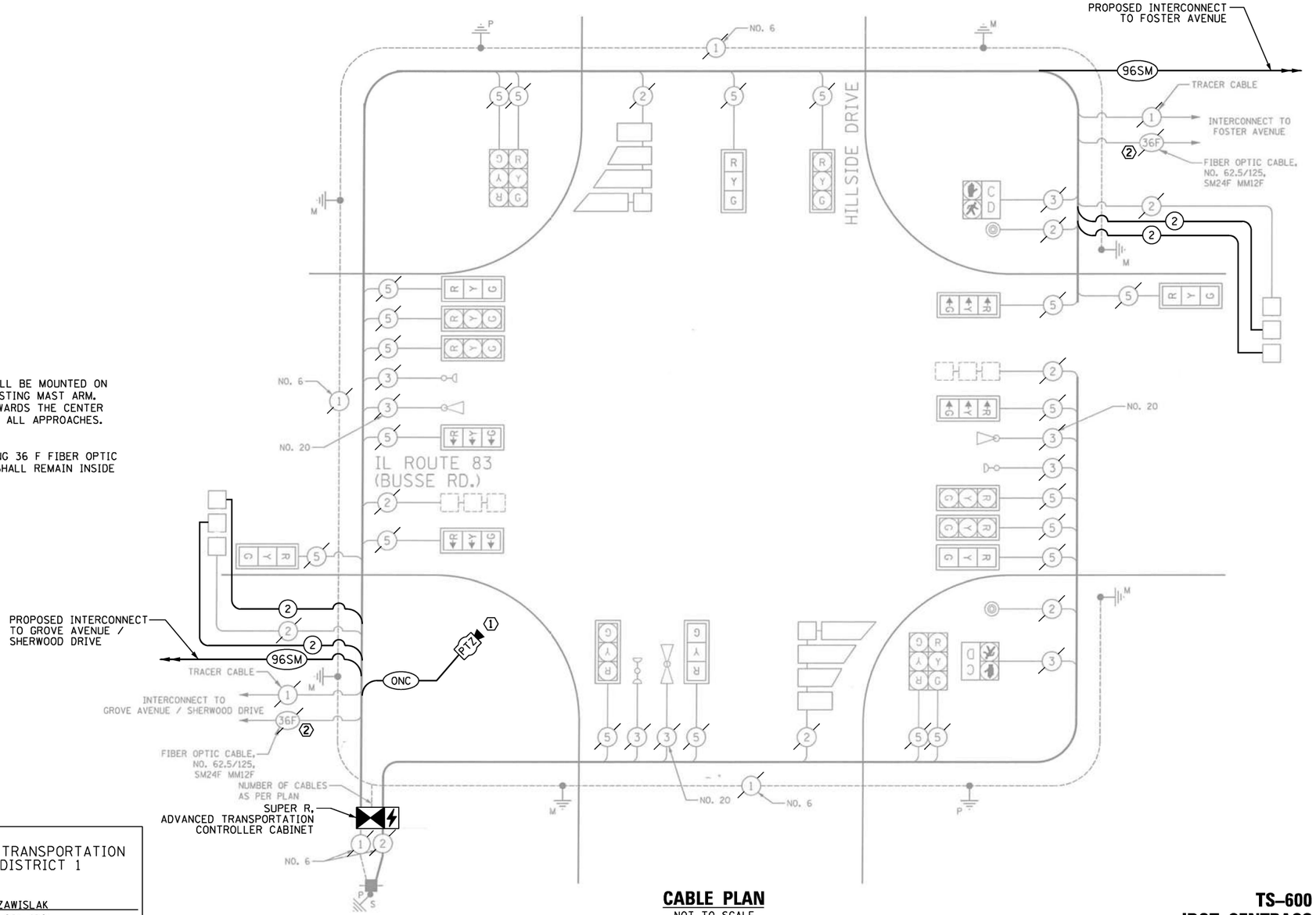
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	20	11	220
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE SIGNALS			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	1	25	25
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			**450**
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
PTZ CAMERA	1	75	75
TOTAL SERVICE WIRE SIZING =			**1130**

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS / DISTRICT 1
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196
ENERGY SUPPLY: CONTACT: TED ZAWISLAK
PHONE: (630) 691-4861
COMPANY: COMED
ACCOUNT NUMBER: ----

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1752
INDUCTIVE LOOP DETECTOR	EACH	10
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	110
ADVANCED TRANSPORTATION CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ADVANCED REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
NETWORK SWITCH, ACCESS	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1



CABLE PLAN
NOT TO SCALE

LOCATION NO. 44

TS–600
IDOT CENTRACS
FORMER ECON 111

TS SHT NO. 91

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

USER NAME = fberiso	DESIGNED - BC
ECON111_07_CAB_IL83-Hillside.dgn	DRAWN - FPB
PLOT SCALE = 40'	CHECKED - EAJ
PLOT DATE = 2/23/2026	DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (BUSSE ROAD) AND HILLSIDE DRIVE

SCALE: NOT TO SCALE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	99
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

1 EACH CABINET (COMPLETE)

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME.

1 EACH CONTROLLER

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

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1 EACH LIGHT DETECTOR AMPLIFIER

CONSTRUCTION NOTE:

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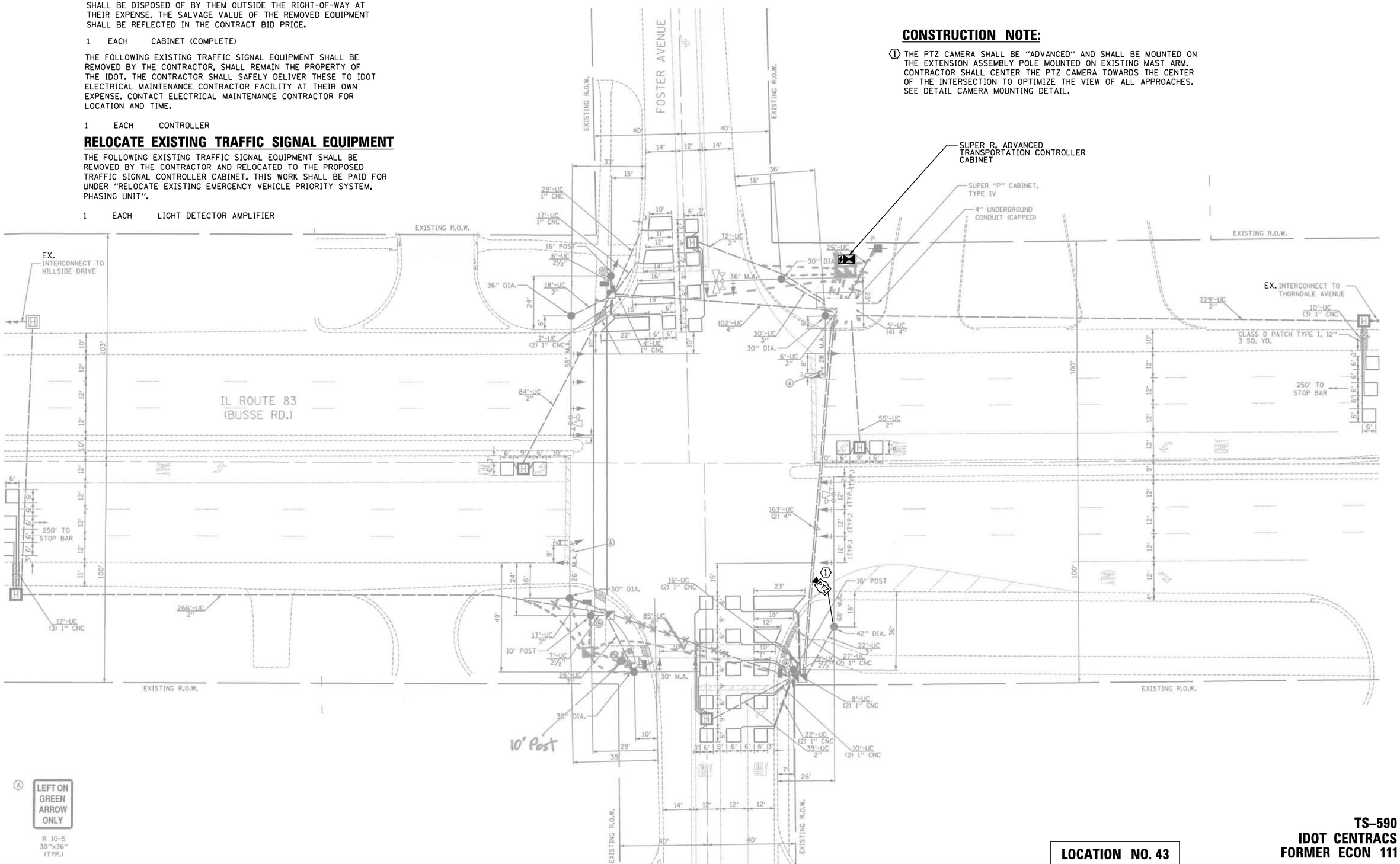

TS SHT NO. 92

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / BY / DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

LOCATION NO. 43

TS-590
IDOT CENTRACS
FORMER ECON 111

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = fbariso	DESIGNED - BC	REVISED -
	ECON111_08_MOD_IL83-Foster.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 2/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 83 (BUSSE ROAD) AND FOSTER AVENUE

SCALE: 1"= 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-956-TS	COOK/DUPAGE	303	100
		CONTRACT NO. 62W82		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		