

06-12-2026 LETTING ITEM 010  
 FOR INDEX OF SHEETS, SEE SHEET NO. 2

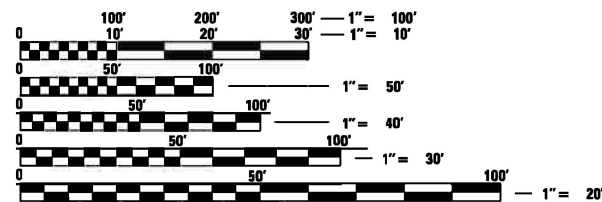
ROUTE:  
 1 - TOUHY AVE  
 2 - US 14 DEMPSTER ST  
 3 - IL 21 MILWAUKEE AVE

LOCATION:  
 1 - IL 43 (HARLEM AVE) TO US 41 (LINCOLN AVE)  
 2 - IL 21 (MILWAUKEE AVE) TO OZARK AVE  
 3 - SANDERS RD TO EUCLID AVE

TRAFFIC DATA  
 TOUHY AVE  
 FAP ROUTE 0341 AND 0375  
 FAU ROUTE 1340  
 ADT (2023) = 34,400 VPD  
 POSTED SPEED = 35 MPH

US 14 DEMPSTER ST  
 FAU ROUTE 1324  
 ADT (2024) = 39,600 VPD  
 POSTED SPEED = 35 MPH

IL 21 MILWAUKEE AVE  
 FAP ROUTE 0374  
 ADT (2023) = 29,000 VPD  
 POSTED SPEED = 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

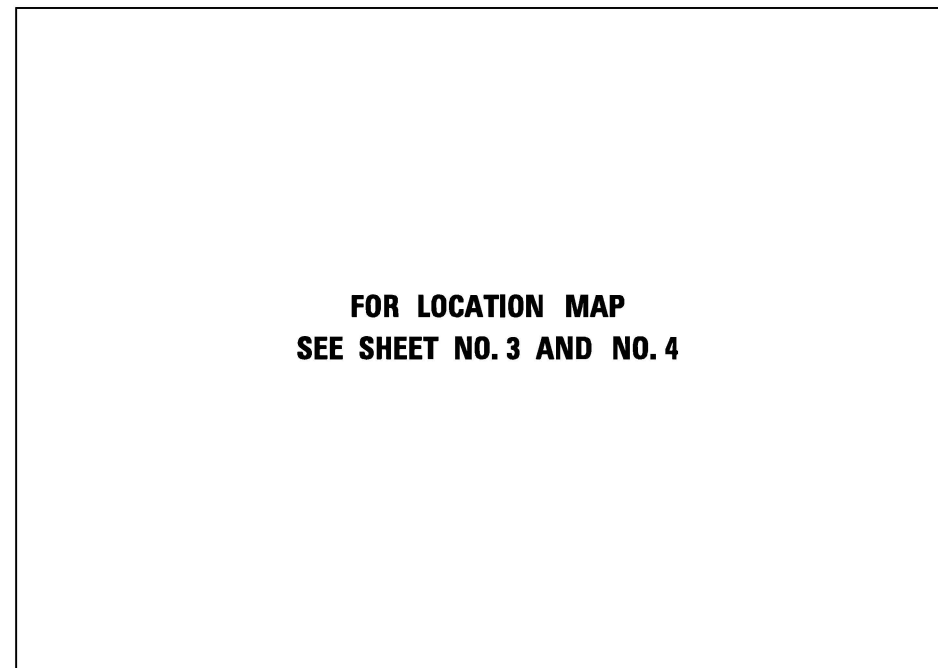
PROJECT ENGINEER: KAMIL KOBYLKA, PE (847) 705-4734  
 PROJECT MANAGER: JONATHAN LLOYD, PE, (847) 705-4135

CONTRACT NO. 62W83

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED  
 HIGHWAY PLANS

ROUTE: VARIOUS ROUTES  
 SECTION: 2024-957-TS  
 PROJECT: CMAQ-7SJQ(574)  
 CMAQ TRAFFIC SIGNAL INTERCONNECT  
 COOK COUNTY  
 C-91-231-24



FOR LOCATION MAP  
 SEE SHEET NO. 3 AND NO. 4

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	1
			ILLINOIS	CONTRACT NO. 62W83

\* 92 + 4 = 96 TOTAL SHEETS

D-91-191-24



*Daniel Wiktorzak*  
 Signed DANIEL WIKTORZAK, P.E. IL. Lic. No. 062-060950  
 Expires 11-30-2027  
 Date 03-20-2026



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED March 19 2026  
Rose Rios  
 REGIONAL ENGINEER

May 8 2026  
Scott E. [Signature]  
 ENGINEER OF DESIGN AND ENVIRONMENT

May 8 2026  
[Signature]  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3-4	LOCATION MAPS
5-8	SUMMARY OF QUANTITIES
9-15	DISTRICT ONE STANDARD TRAFFIC SIGNAL DETAILS (TS-05)
16-17	AREA 1 TRAFFIC SIGNAL PLANS (SEE SHEET 3) ★
18	AREA 1 AND 2 CABINET DETAILS
19-20	AREA 2 TRAFFIC SIGNAL PLANS (SEE SHEET 3) ★
21-22	AREA 2 INTERCONNECT PLANS
23	AREA 2 SPLICING DETAILS
24-66	AREA 3 TRAFFIC SIGNAL PLANS (SEE SHEET 4) ★
67-81	AREA 3 INTERCONNECT PLANS
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83-85A	AREA 3 SPLICING DETAILS
86-88	AREA 3 CABINET DETAILS
89	CAMERA MOUNTING DETAIL
89A	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)
89B	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE (TC-09)
90	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
91	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
91A	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
92	ARTERIAL ROAD INFORMATION SIGN (TC-22)

★ - A DETAILED LIST OF INTERSECTIONS AND SHEET NUMBERS IS INCLUDED ON THE LOCATION MAP FOR EACH AREA. SEE INDICATED SHEET FOR LOCATION MAP OF AREA.

## HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEM
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) 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
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 45MPH
701446-11	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTOL DEVICES
814001-03	HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
878001-11	CONCRETE FOUNDATION DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

## GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL CONTACT 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. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTH.
- 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 "J.U.L.I.E." 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 CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND RESIDENT ENGINEER PRIOR TO ORDERING MATERIALS.
- RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.
- 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 BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION EQUAL TO THAT EXISTING BEFORE THE DAMAGE INCURRED. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TAKE CARE TO PROTECT ALL SIGNS ALONG THE ROUTE OF CONSTRUCTION. SIGNS THAT SHALL BE REMOVED IF THEY ARE IN CONFLICT WITH PROPOSED WORK, AND APPROVED BY ENGINEER. ALL LABOR NECESSARY TO COMPLY WITH THE RELOCATION OF SIGNS SHALL BE INCLUDED IN THE CONTRACT WITHOUT ANY EXTRA COMPENSATION ALLOWED TO THE CONTRACTOR ACCORDING TO ART. 107.25, UNLESS MARKED ON PLANS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
- THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED CONDUIT AND FIBER OPTIC CABLE.
- POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE CONDUIT PAY ITEMS.
- REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK, PAVEMENT, AND ISLANDS FOR UTILITY LOCATING PURPOSES SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE BID UNIT PRICE FOR THE CONDUIT PAY ITEMS.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN THE REQUIRED MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID UNIT PRICE FOR THE CONDUITS.
- THE LOCATION OF THE PROPOSED CONDUIT SHOWN ON THE PLAN SHEETS IS APPROXIMATE AND NOT DRAWN TO SCALE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MOWING AND BRUSH/SHRUB REMOVAL REQUIRED TO INSTALL THE PROPOSED CONDUIT AND HANDHOLES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF ALL AREAS AFFECTED BY THE EQUIPMENT AND LABORERS TO EXISTING CONDITIONS.

## GENERAL NOTES (CONT.)

- THE CONTRACTOR SHALL PLAN AND CONDUCT CONDUIT AND FIBER INSTALLATION OPERATIONS TO MINIMIZE THE NUMBER OF ROADWAY LANE CLOSURES AND TO MINIMIZE TRAFFIC DISRUPTIONS AND DELAYS FOR THE MOTORING PUBLIC. THE CONTRACTOR SHALL OBTAIN ALL PERMITS ALONG STATE, COUNTY, AND TOWNSHIP ROADWAYS.
- THE CONTRACTOR SHALL MINIMIZE THE IMPACT OF THE WORK BY UTILIZING OFF-ROAD OPERATIONS WHERE POSSIBLE.
- AT WORK AREAS THAT IMPACT PEDESTRIANS AND/OR SIDEWALK, STANDARD 701801 SHALL BE USED. CONTRACTOR SHALL MINIMIZE WORK AREAS AND DISRUPTION TO SIDEWALK WHEREVER POSSIBLE.
- THE CONTRACTOR SHALL COORDINATE WITH IDOT 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 (TC22). ONE SIGN IS TO BE USED FOR EACH END OF EACH INTERCONNECT CORRIDOR, MAIN ROUTE, OR ZONE.
- ALL EXISTING R.O.W. SHOWN IS APPROXIMATE AND MAY NEED TO BE VERIFIED IN THE FIELD. ANY R.O.W. CONFLICTS SHALL BE COORDINATED WITH THE RESIDENT ENGINEER. ALL PROPOSED WORK SHALL TAKE PLACE WITHIN EXISTING R.O.W. WITHIN EXISTING FACILITIES INCLUDING HANDHOLES, CONDUITS, OR TRAFFIC SIGNAL CABINETS.
- THESE PLANS USE EXISTING RECORD DRAWINGS AS A BACKGROUND FOR 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. 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.
- REVISED CABINET WIRING DIAGRAMS SHALL BE SUBMITTED WHENEVER ANY WIRING MODIFICATIONS ARE MADE TO THE TRAFFIC SIGNAL CABINET.
- FIBER OPTIC PIGTAIL BETWEEN HANDHOLE SPLICE AND END DEVICE SHALL BE 24 SINGLE MODE FIBER. FIBER OPTIC PIGTAIL SHALL BE SPLICED AND TERMINATED AS SHOWN ON THE FIBER SPLICING DIAGRAM.
- FIBER OPTIC INTERCONNECT CENTER SHALL BE INSTALLED SUCH THAT CABINET DOOR DO NOT CLOSE ON THE FIBER PIGTAILS AND OR PATCH CORDS. PROVIDE SUFFICIENT SPACE AND ADJUST CABINET SHELF AS NEEDED.

## RED LIGHT RUNNING (RLR) NOTES

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

RLR CAMERA LOCATION:

TOUHY AVE AT US RTE 41 (LINCOLN AVE) (TS 1615)

VILLAGE OF LINCOLNWOOD 6900 N. LINCOLN AVE LINCOLNWOOD, IL 60712 (847) 673-1540	RED SPEED, LLC. 400 EISENHOWER LN LOMBARD, IL 60148 (630) 317-5700
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PLOT DATE = 3/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS  
AND GENERAL NOTES**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	2
CONTRACT NO. 62W83				
		ILLINOIS	FED. AID PROJECT	



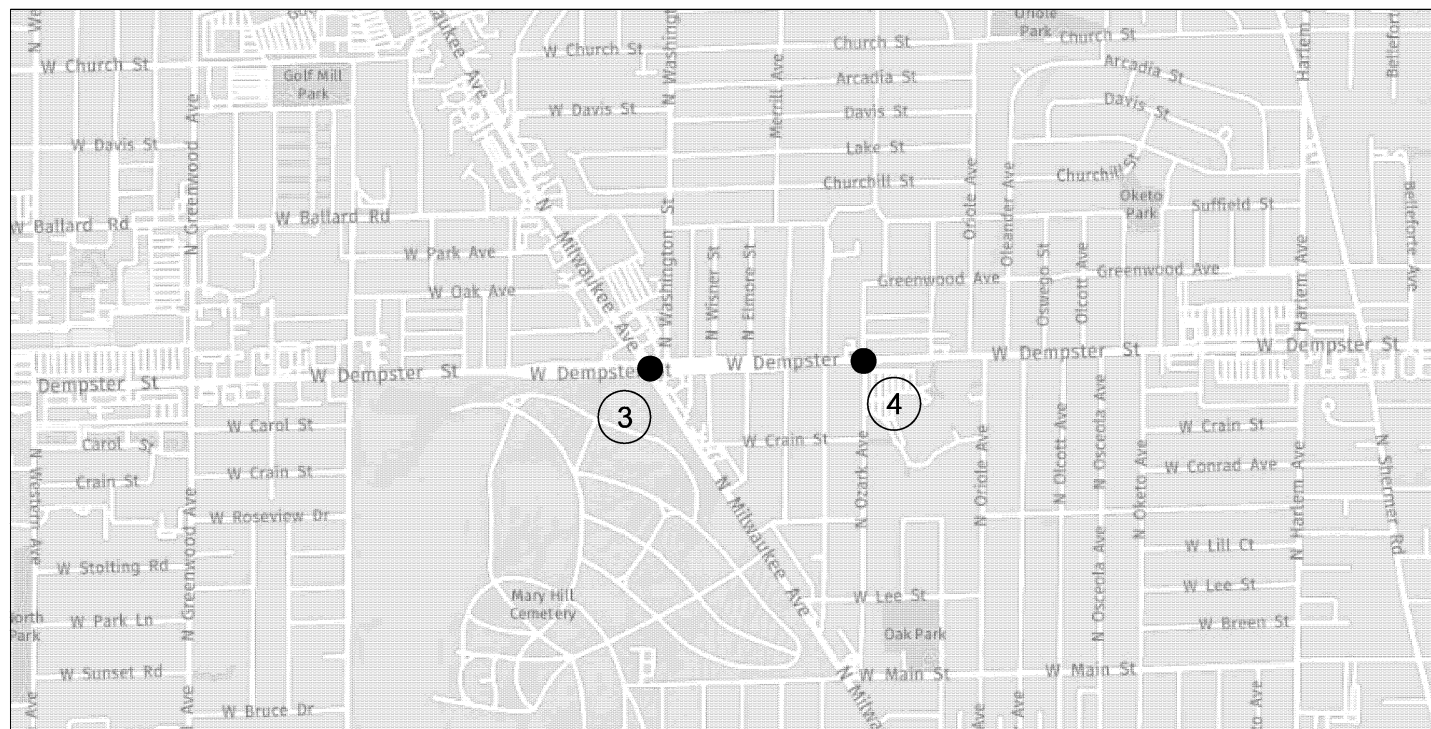
**AREA 1 – COOK COUNTY  
NORTHFIELD TWP.**



**LEGEND**

# ● - TRAFFIC SIGNAL LOCATION AND NUMBER

LOCATION #	SHEET #	TS #	LOCATION	MUNICIPALITY
1	16	2050	IL RTE 21 (MILWAUKEE AVE) AND LAKE AVE	GLENVIEW
2	17	2045	IL RTE 21 (MILWAUKEE AVE) AND SANDERS RD	GLENVIEW



**AREA 2 – COOK COUNTY  
MAINE TWP**



LOCATION #	SHEET #	TS #	LOCATION	MUNICIPALITY
3	19	326	IL RTE 21 (MILWAUKEE AVE) AND US RTE 14 (DEMPSTER ST)	NILES
4	20	1265	US RTE 14 (DEMPSTER ST) AND OZARK AVE	MORTON GROVE (N)/ NILES (S)

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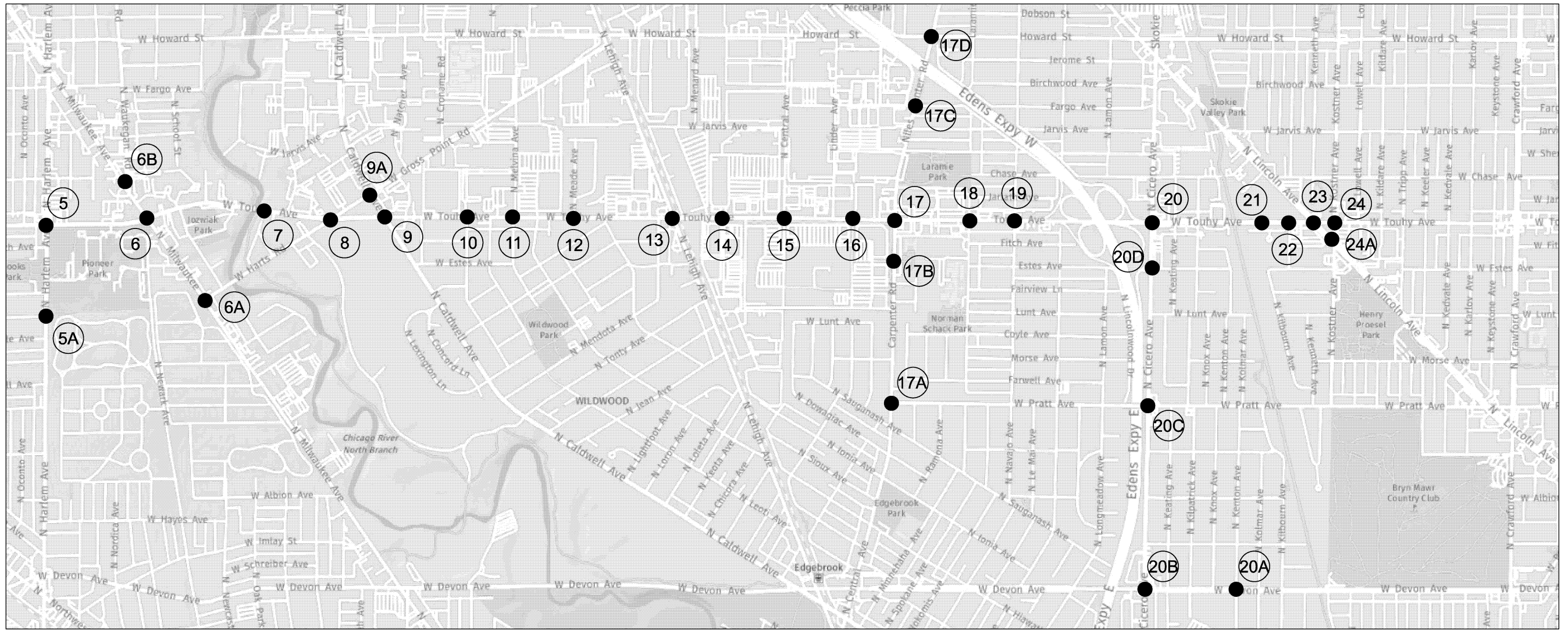
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		DRAWN -	RG	REVISED -	
		CHECKED -	DW	REVISED -	
PLOT DATE =	3/21/2026	DATE -		REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP  
AREA 1 AND AREA 2**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	3
CONTRACT NO. 62W83				
ILLINOIS		FED. AID PROJECT		



**LEGEND**

# ● - TRAFFIC SIGNAL LOCATION AND NUMBER

**AREA 3 – COOK COUNTY  
MAINE, NILES, NORWOOD PARK AND JEFFERSON TWP**

LOCATION #	SHEET #	TS #	LOCATION	MUNICIPALITY
5	24-25	2410	TOUHY AVE AND IL RTE 43 (HARLEM AVE)	CHICAGO (SW) NILES
5A	26	2411	IL RTE 43 (HARLEM AVE) AND PIONEER PARK	CHICAGO (W) NILES (E)
6	27-28	5490	TOUHY AVE AND IL RTE 21 (MILWAUKEE AVE)	NILES
6A	29	5285	IL RTE 21 (MILWAUKEE AVE) AND HARTS RD	NILES
6B	30	5495	IL RTE 21 (MILWAUKEE AVE) AND WAUKEGAN RD	NILES
7	31	5845	TOUHY AVE AND RIVERSIDE DR	NILES
8	32-33	5260	TOUHY AVE AND GROSS POINT RD/HARTS RD	NILES
9	34	1305	TOUHY AVE AND US RTE 14 (CALDWELL AVE)	NILES/ CHICAGO (SE)
9A	35	1215	US RTE 14 (CALDWELL AVE) AND GROSS POINT RD	NILES
10	36	5840	TOUHY AVE AND MOBILE AVE	CHICAGO (S) NILES (N)
11	37	5843	TOUHY AVE AND MELVINA AVE	CHICAGO (S) NILES (N)
12	38	5841	TOUHY AVE AND MEADE AVE	CHICAGO
13	39-43	5455	TOUHY AVE AND LEHIGH AVE	CHICAGO (SW) NILES
14	44	11161	TOUHY AVE AND POINTE PLAZA	NILES
15	45	11250	TOUHY AVE AND CENTRAL AVE	NILES (W) SKOKIE (E)
16	46	20935	TOUHY AVE AND VILLAGE CROSSING ENTRANCE "C"	SKOKIE
17	47-48	14835	TOUHY AVE AND CARPENTER RD/ NILES CENTER RD	SKOKIE

LOCATION #	SHEET #	TS #	LOCATION	MUNICIPALITY
17A	49	4755	CENTRAL AVE AND PRATT AVE	CHICAGO/ SKOKIE (NE)
17B	50	20355	CARPENTER RD AND VILLAGE CROSSING ENTRANCE "D"	SKOKIE
17C	51	1574	NILES CENTER RD AND FARGO AVE	SKOKIE
17D	52	14820	NILES CENTER RD AND HOWARD ST	SKOKIE
18	53	14840	TOUHY AVE AND LARAMIE AVE	SKOKIE
19	54	14845	TOUHY AVE AND LE CLAIRE AVE	SKOKIE
20	55-56	2625	TOUHY AVE AND IL RTE 50 (CICERO AVE)	LINCOLNWOOD
20A	57	11185	DEVON AVE AND KENTON AVE/ LEMONT AVE	LINCOLNWOOD (N) CHICAGO (S)
20B	58	2590	IL RTE 50 (CICERO AVE) AND DEVON AVE	LINCOLNWOOD (N) CHICAGO (S)
20C	59	2605	IL RTE 50 (CICERO AVE) AND PRATT AVE	LINCOLNWOOD
20D	60	65	IL RTE 50 (CICERO AVE) AND I-94 NB OFF RAMP/ ESTES AVE	LINCOLNWOOD
21	61	12090	TOUHY AVE AND BARCLAY PLACE	LINCOLNWOOD
22	62	1617	TOUHY AVE AND KILBOURN AVE	LINCOLNWOOD
23	63-64	1615	TOUHY AVE AND US RTE 41 (LINCOLN AVE)	LINCOLNWOOD
24	65	5835	TOUHY AVE AND KOSTNER AVE	LINCOLNWOOD
24A	66	1545	US RTE 41 (LINCOLN AVE) AND KOSTNER AVE	LINCOLNWOOD

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP  
AREA 3**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	4
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				AREA 1	AREA 2	AREA 3
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				COOK COUNTY		
				INTERCONNECT		
				0021		
				URBAN		
* 6690200	NON-SPECIAL WASTE DISPOSAL	CU YD	25		5	20
* 6690530	SOIL DISPOSAL ANALYSIS	EACH	3		1	2
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1		0.3	0.7
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1		0.3	0.7
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	8		3	5
67100100	MOBILIZATION	L SUM	1	0.1	0.1	0.8
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.1	0.1	0.8
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	0.1	0.1	0.8
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	0.1	0.1	0.8
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.1	0.1	0.8
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	0.1	0.1	0.8
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.1	0.1	0.8
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.1	0.1	0.8
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3621		1433	2188

**\* SPECIALTY ITEM**



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
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	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	5
CONTRACT NO. 62W83				
ILLINOIS		FED. AID PROJECT		

MODEL: SOQ-1 [Sheet]  
 FILE NAME: X:\Projects\2024\382\19700 IDOT PTB 207-004 Var TS\24009 CMAQ Int 1\CADD Data\Sheet\162w83-sht-soq.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				AREA 1	AREA 2	AREA 3
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				COOK COUNTY		
				INTERCONNECT		
				0021		
				URBAN		
81400100	HANDHOLE	EACH	5		2	3
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	37	2	2	33
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1	
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	25695		2080	23615
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	13650		3020	10630
87900200	DRILL EXISTING HANDHOLE	EACH	8		2	6
88500100	INDUCTIVE LOOP DETECTOR	EACH	180		14	166
89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	10		1	9
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	38990			38990
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	23	1	1	21
89502376	REBUILD EXISTING HANDHOLE	EACH	1			1
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	8795			8795
X0325922	CELLULAR MODEM	EACH	2	2		
X0328020	CENTRACS LICENSE EXPANSION	EACH	25	2		23
X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	1280			1280



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	6
CONTRACT NO. 62W83				
ILLINOIS		FED. AID PROJECT		

MODEL: SOQ-2 [Sheet]  
 FILE NAME: X:\Projects\2024\382\19700 IDOT PTB 207-004 Var TS\24009 CMAQ Int 1\CADD Data\Sheets\162w83-sht-soq.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				AREA 1	AREA 2	AREA 3
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				COOK COUNTY		
				INTERCONNECT		
				0021		
				URBAN		
X1400215	REMOTE CONTROLLED VIDEO SYSTEM	EACH	7			7
X1400221	UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	4	1		3
X1400514	TACTICS LICENSE EXPANSION	EACH	10			10
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	1	1	10
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1			1
X8570215	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	6	1		5
X8570227	FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	15		1	14
X8571216	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE IV STRETCH CABINET (SPECIAL)	EACH	1			1
X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1			1
X8620250	UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	15		1	14
X8620310	REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	8		1	7
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2340		2340	
X8710029	FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	11820			11820
X8710030	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	18495			18495



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET 3	OF 4	SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	7
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	



# TRAFFIC SIGNAL LEGEND

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
TRAFFIC SIGNAL CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS		
UNINTERRUPTABLE POWER SUPPLY			DOUBLE HANDHOLE			SIGNAL HEAD WITH BACKPLATE -(RB) RETROREFLECTIVE BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
MASTER CONTROLLER			JUNCTION BOX			ILLUMINATED LED SIGN "NO LEFT TURN"/"NO RIGHT TURN"	 	 
MASTER MASTER CONTROLLER			RAILROAD CROSSING GATE			ELECTRIC CABLE, SIGNAL, NO. 14 - 2/C, 3/C, 5/C, 7/C		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD CROSSBUCK			ELECTRIC CABLE, LEAD-IN, NO. 14, 1 PAIR		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CONTROLLER BUNGALOW			SERVICE CABLE, 2/C - NO. 2, NO. 4, NO. 6		
CELLULAR MODEM			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			GROUND CABLE NO. 6 SOLID COPPER (GREEN), 1/C		
TELEPHONE CONNECTION			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			ELECTRIC CABLE, TRACER, NO. 14, 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			SYSTEM ITEM	S	SP	RAILROAD NO. 14 3/C		
ALUMINUM MAST ARM ASSEMBLY AND POLE			INTERSECTION ITEM	I	IP	ELECTRIC CABLE, STREET NAME SIGN NO. 14, 3/C, TYPE SOOW		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			REMOVAL ITEM		R	VENDOR CABLE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			RELOCATE ITEM		RL	EMERGENCY VEHICLE PRIORITY LINE SENSOR CABLE, NO. 20, 3/C		
WOOD POLE			ABANDON ITEM		A	OUTDOOR RATED NETWORK CABLE		
GUY WIRE			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF	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		
SIGNAL HEAD			MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
SIGNAL HEAD WITH BACKPLATE			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
SIGNAL HEAD - PROGRAMMABLE			DETECTOR LOOP, TYPE I					
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	PREFORMED DETECTOR LOOP					
PEDESTRIAN SIGNAL HEAD			WIRELESS DETECTOR SENSOR					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON								
RADAR DETECTION SENSOR								
VIDEO DETECTION CAMERA								
RADAR/VIDEO DETECTION ZONE								
PAN, TILT, ZOOM (PTZ) CAMERA								
EMERGENCY VEHICLE LIGHT DETECTOR								
CONFIRMATION BEACON								
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								
WIRELESS ACCESS POINT								

MODEL: TS059  
FILE NAME: X:\Projects\2023\382\19700 IDOT P1B 207-004 Var TS124009 cMAQ Int 1\CADD Data\Sheets\621W83-sh1-d1 ts details.dgn

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PLOT DATE = 3/21/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

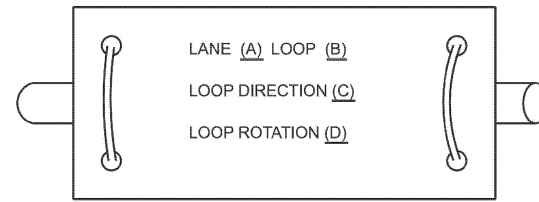
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

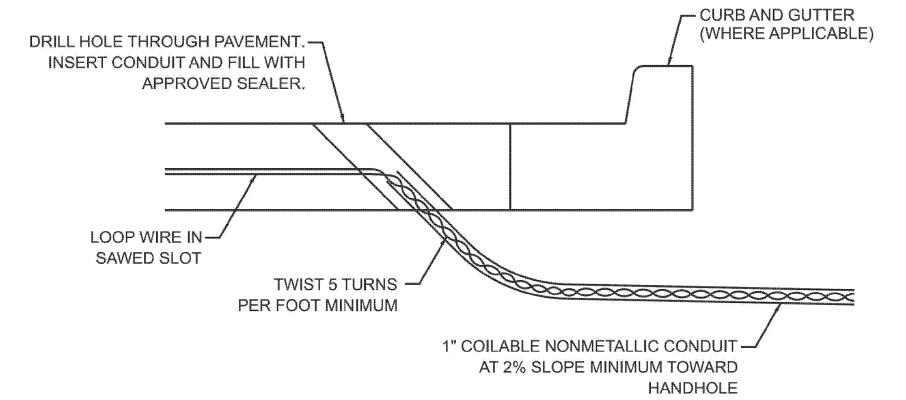
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	9
TS-01		CONTRACT NO. 62W83		
ILLINOIS		FED. AID PROJECT		

**DETECTOR LOOP NOTES:**

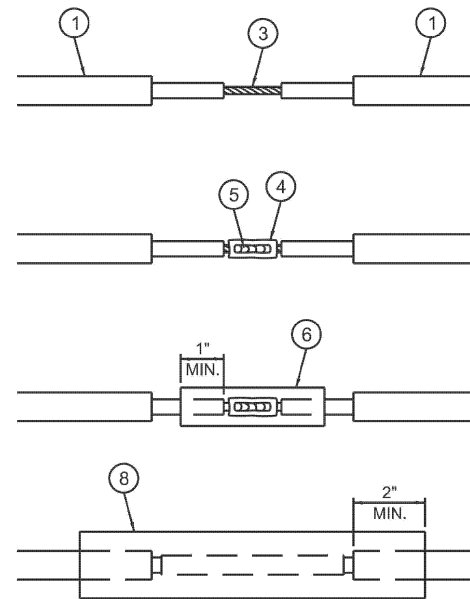
1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE 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.



- 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.



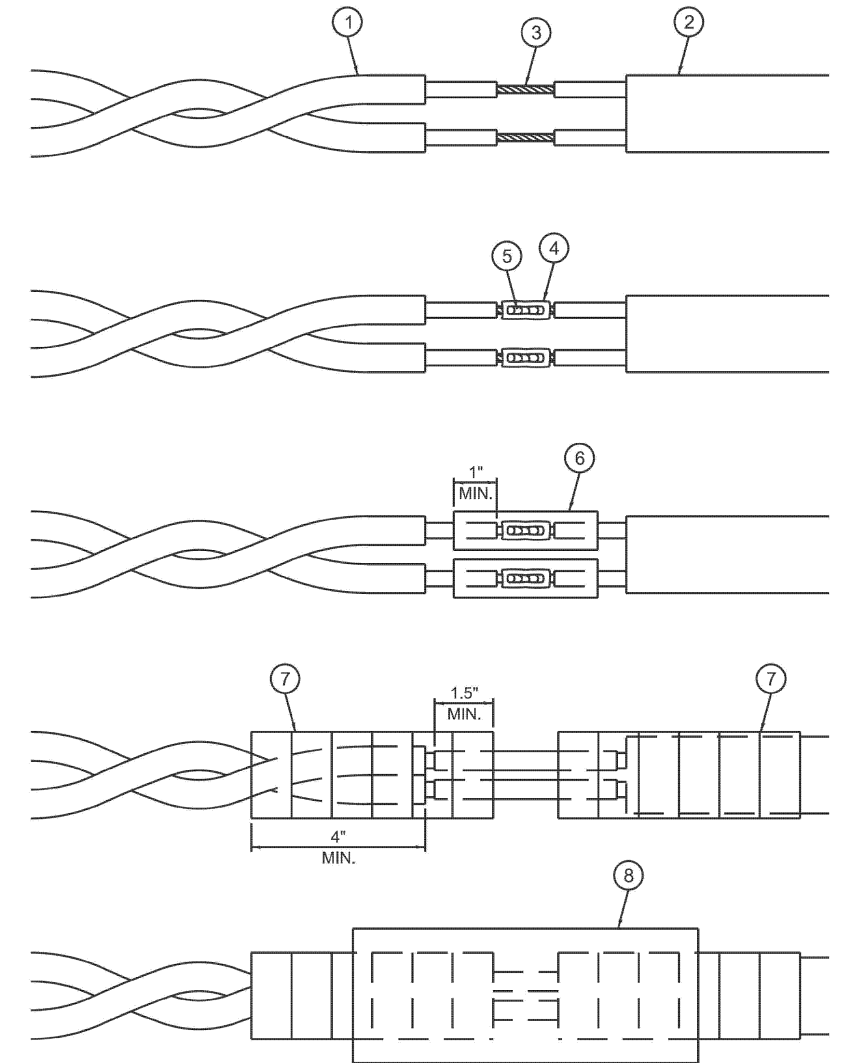
**DETECTOR LOOP LEAD-IN CABLE TAG**



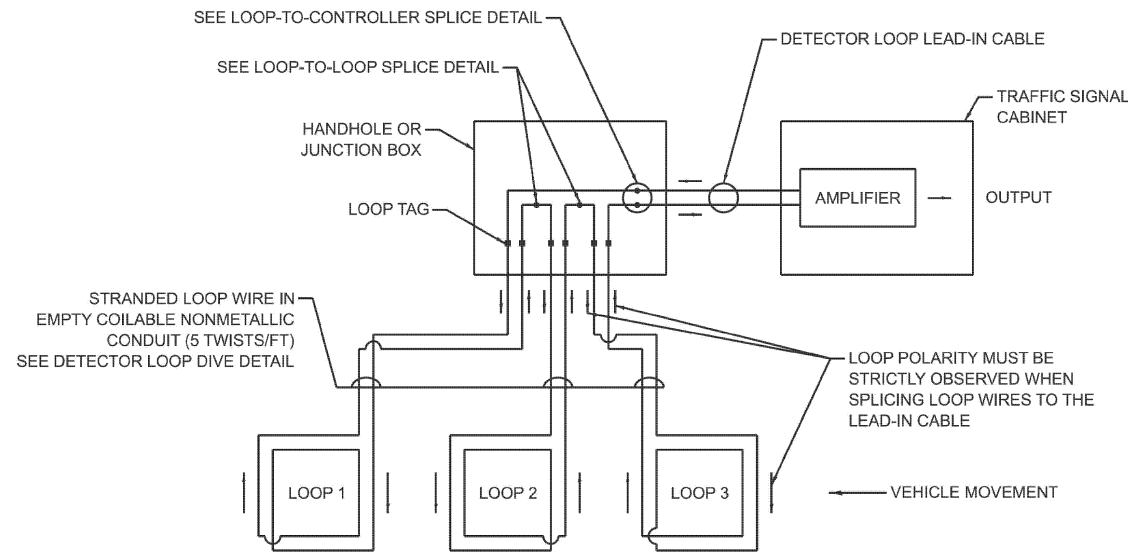
**LOOP-TO-LOOP SPLICE DETAIL**

- 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**



**DETECTOR LOOP WIRING SCHEMATIC**

MODEL: TS05b  
FILE NAME: X:\Projects\2023\38219700 IDOT P1B 207-004 Var TS24009 c1MAQ Int 1\CADD Data\Sheets\62W83-shr-d1 ts details.dgn

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PLOT DATE = 3/21/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

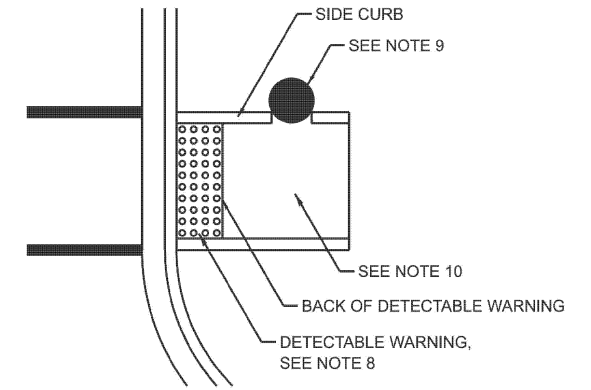
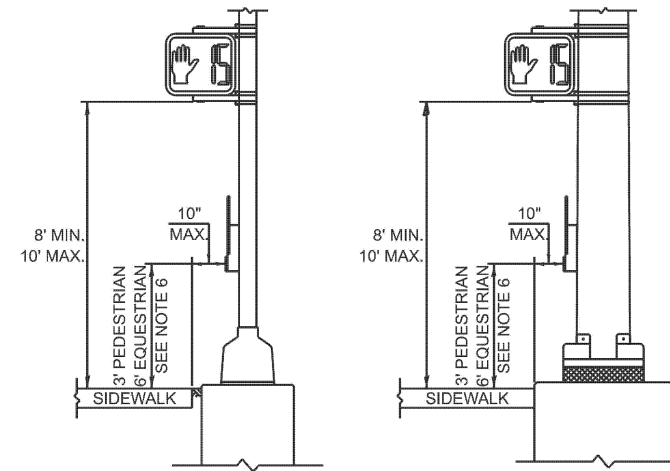
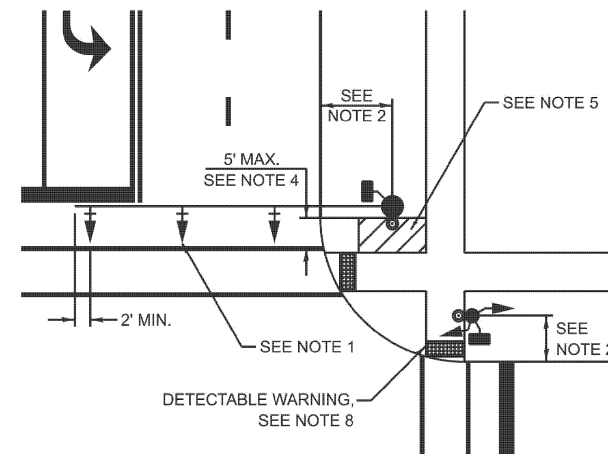
SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	10
TS-01		CONTRACT NO. 62W83		
ILLINOIS FED. AID PROJECT				

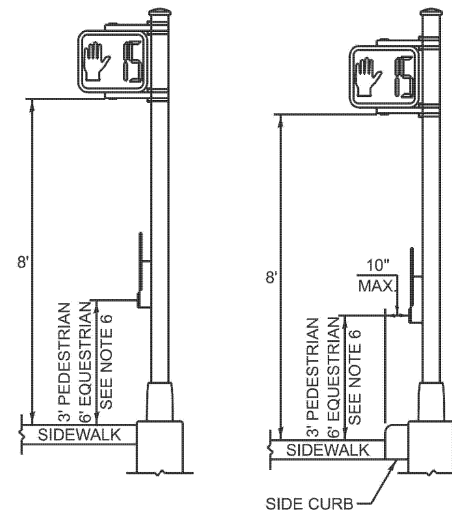
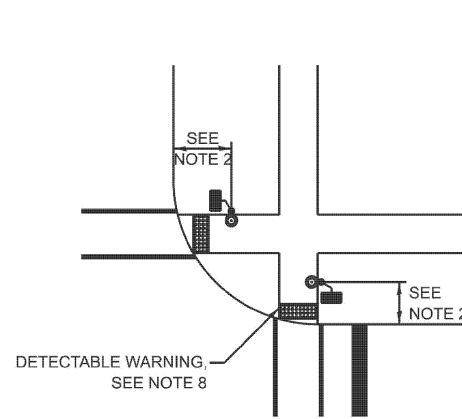
**NOTES:**

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 SHALL 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.

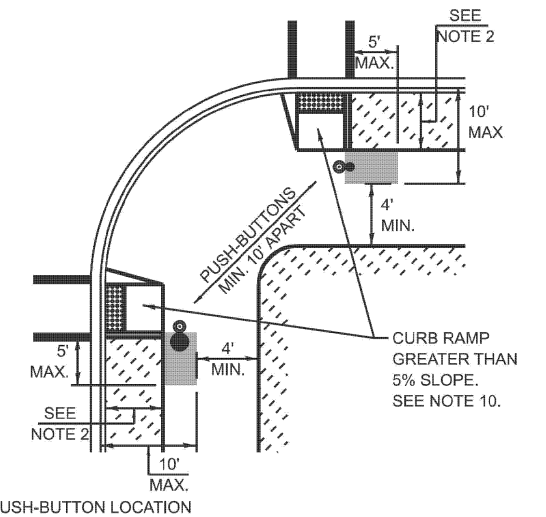
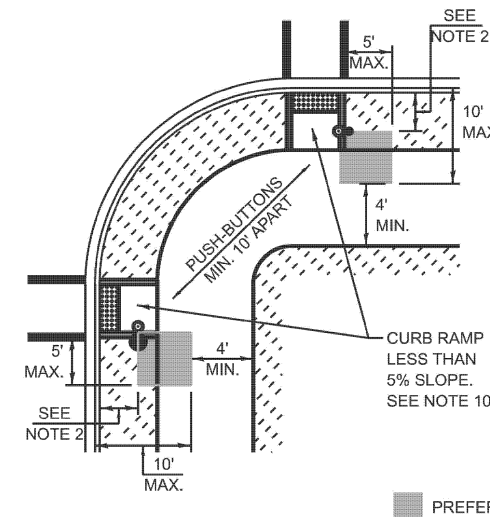
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**



**PEDESTRIAN SIGNAL POST**



**PUSH-BUTTON LOCATIONS**



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.

MODEL: TS05c; FILE NAME: X:\Projects\2023\38219700\DOT\_PTB\_207-2004\_Ver-TS24009\_CMAQ\_Int\_1\CADD\Drawings\Sheets\62W83-sht-d1 ts details.dgn

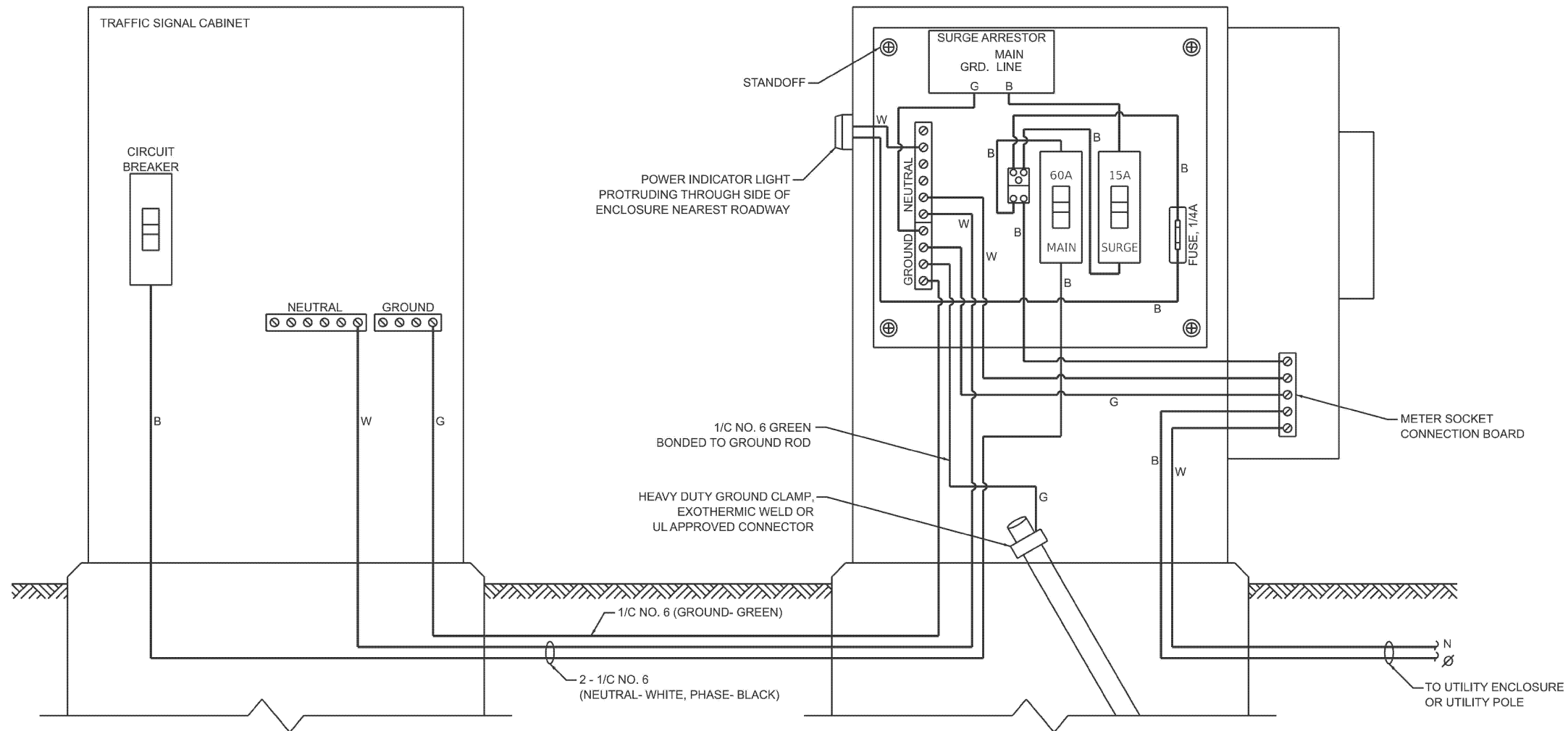
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	CHECKED - NB/KK	REVISED -
PLOT DATE = 3/21/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

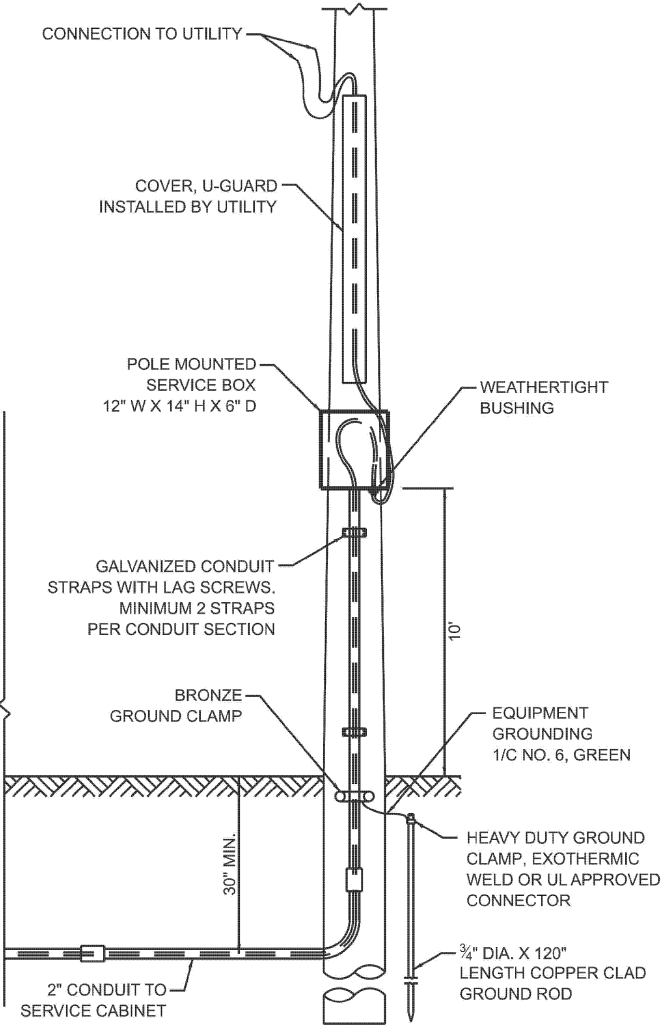
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	11
TS-01		CONTRACT NO. 62W83		
ILLINOIS FED. AID PROJECT				



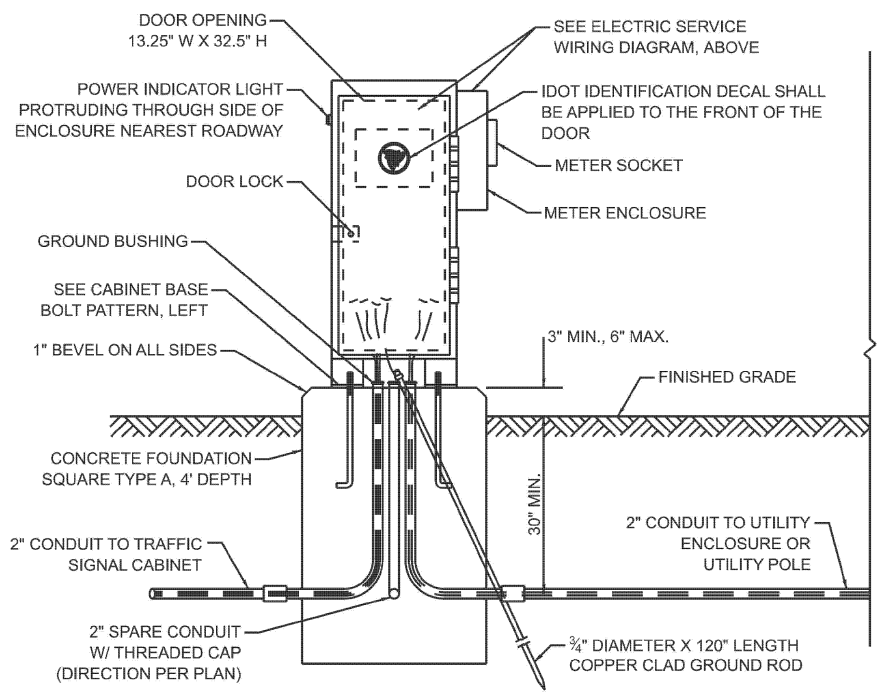
**ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET**

**NOTES:**

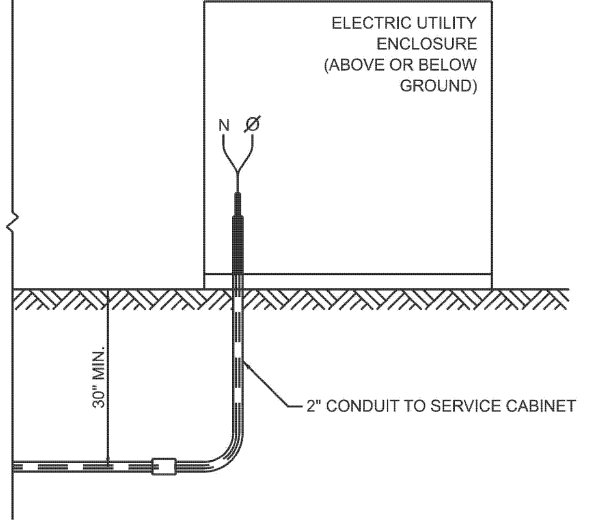
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3. 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.



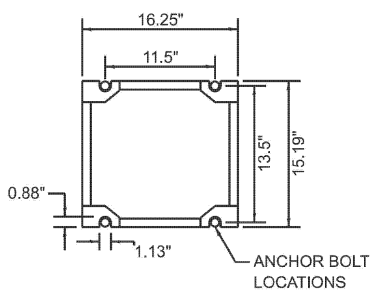
**CONNECTION TO UTILITY POLE**



**SERVICE INSTALLATION - GROUND MOUNTED WITH METER**



**CONNECTION TO UTILITY ENCLOSURE**



**CABINET BASE BOLT PATTERN**

MODEL: TS054  
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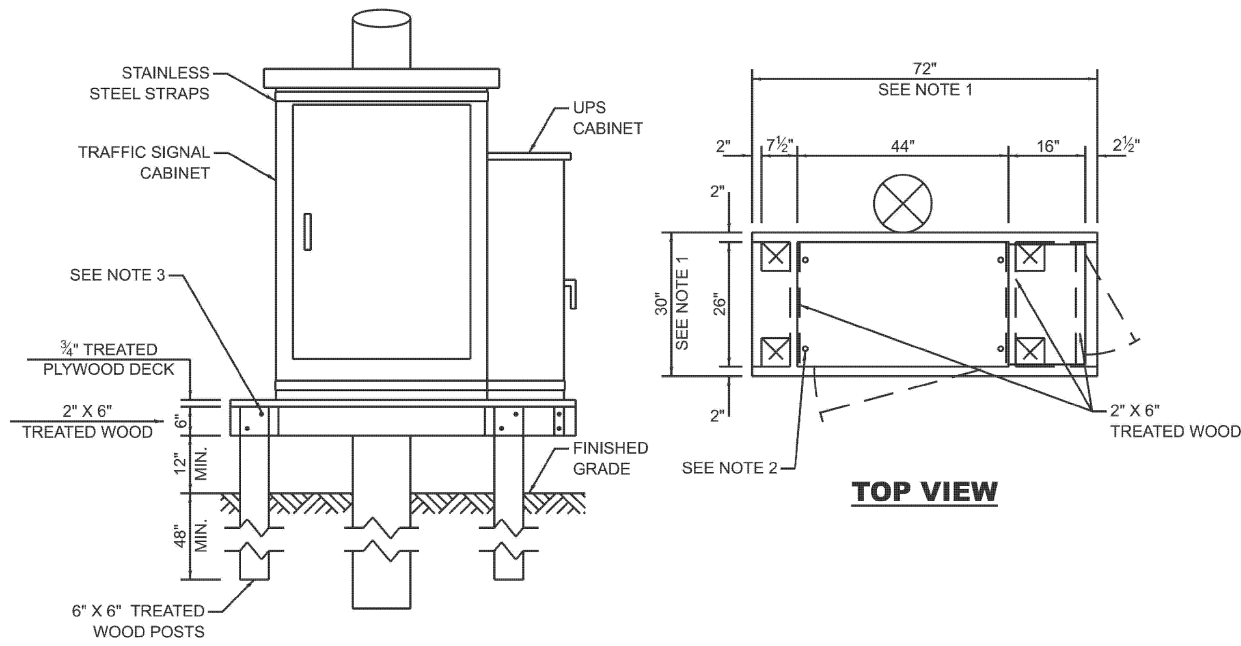
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PLOT DATE =	3/21/2026	DATE -	10/15/2025	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	12
	TS-01	CONTRACT NO. 62W83		
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.

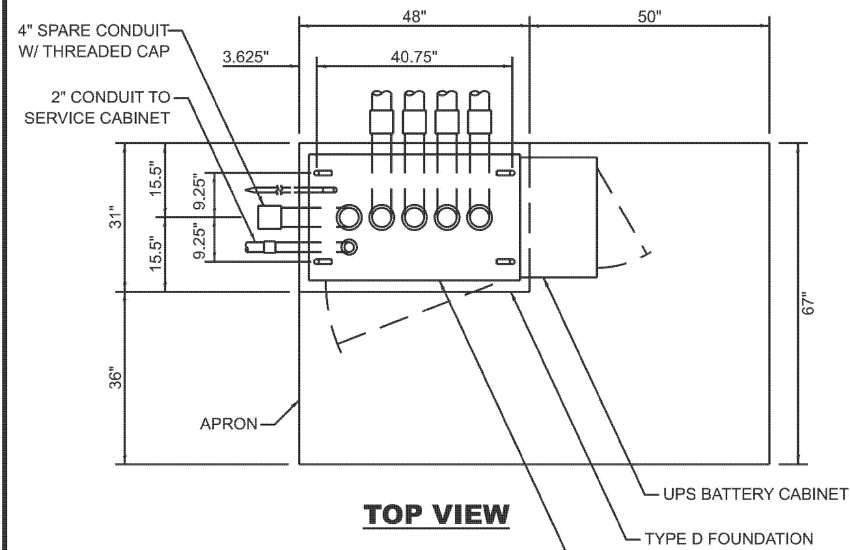
**TEMPORARY TRAFFIC SIGNAL CABINET WOOD SUPPORT PLATFORM**

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**

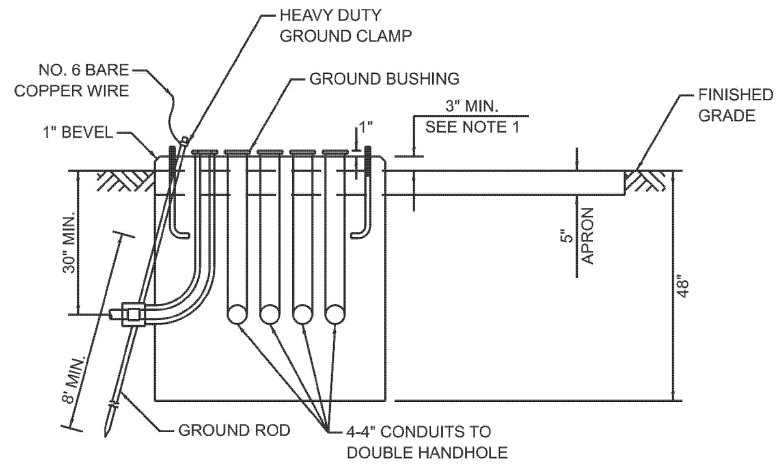
**TYPE E FOUNDATION NOTES:**

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.

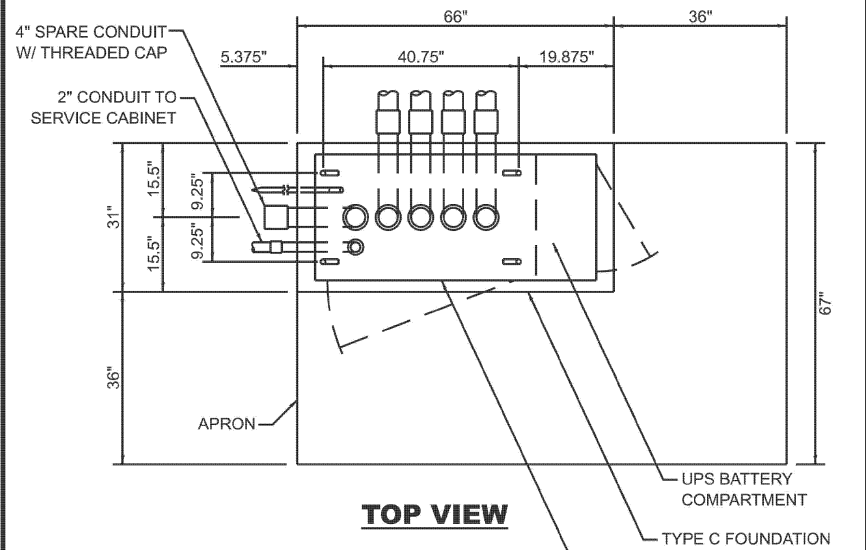


**NOTES:**

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

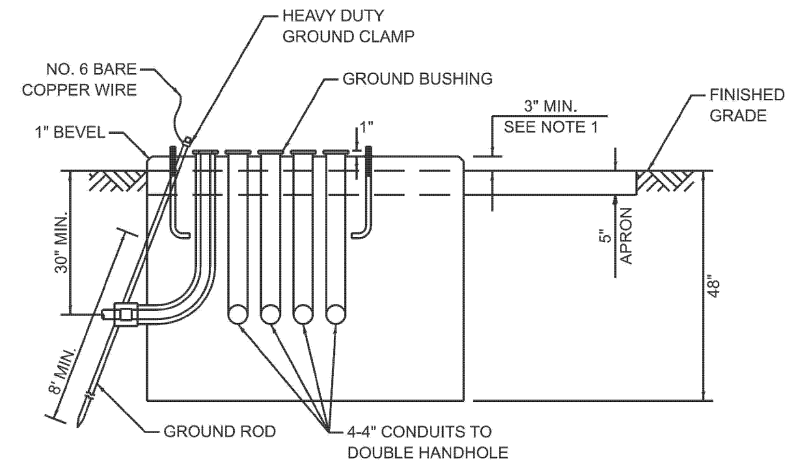


**TYPE D FOUNDATION TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET AND UPS BATTERY CABINET**



**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**

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**

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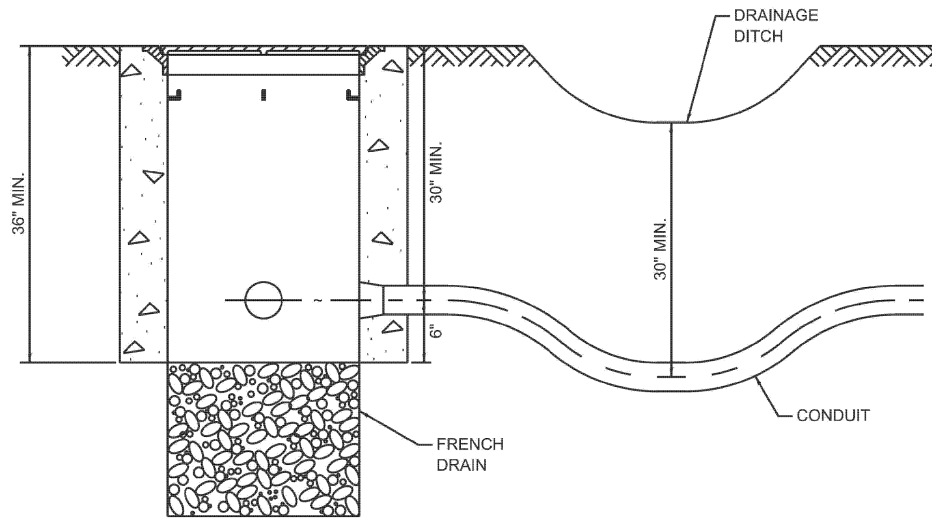
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	CHECKED - NB/KK	REVISED -
PLOT DATE = 3/21/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

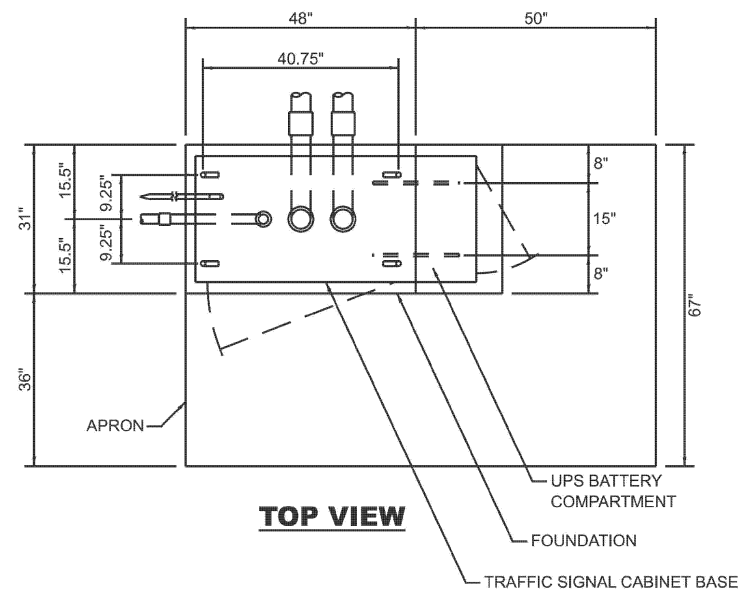
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VAR	2024-957-TS	COOK	92	13
TS-01		CONTRACT NO. 62W83		
ILLINOIS FED. AID PROJECT				



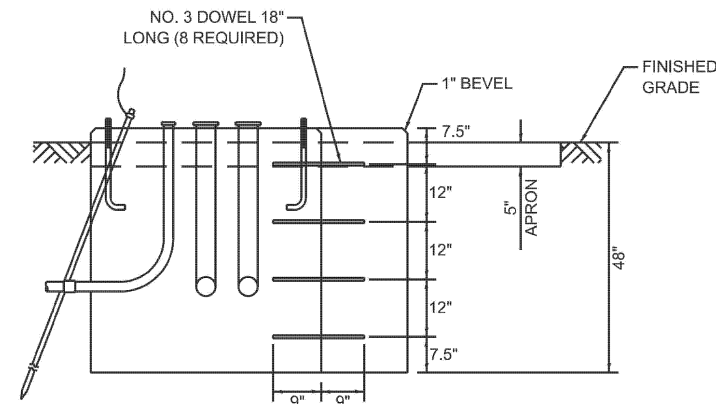
**NOTES:**

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.

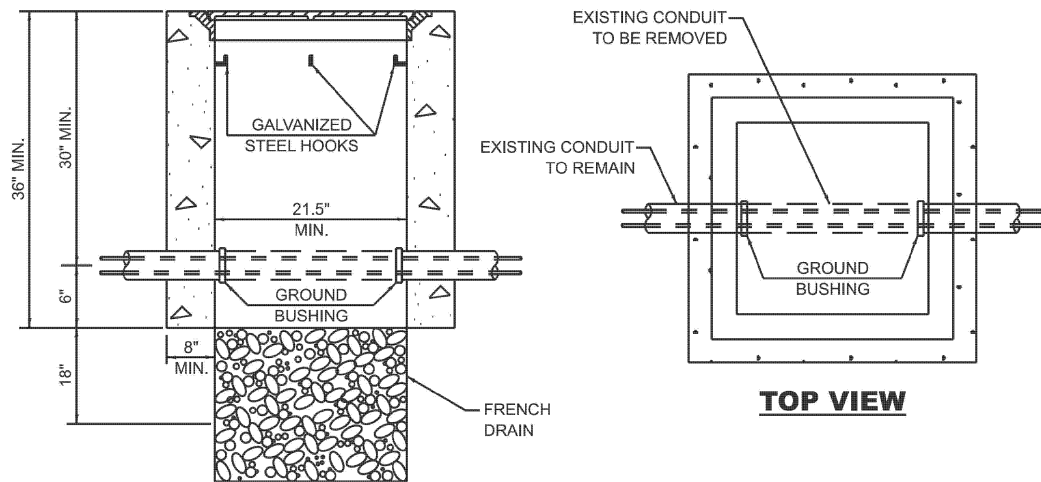
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**



**TOP VIEW**



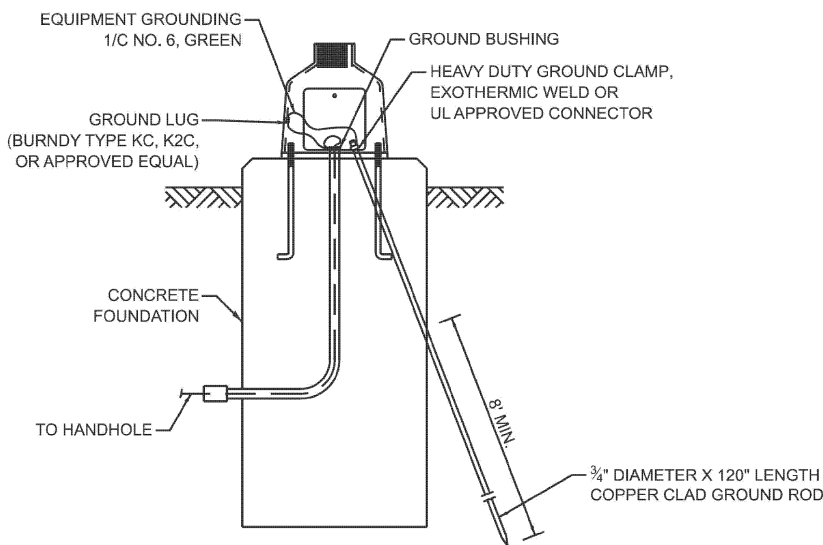
**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**



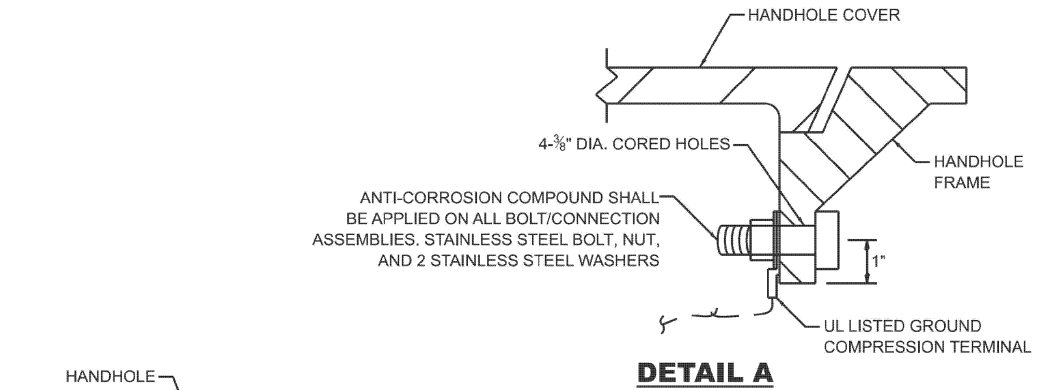
**NOTES:**

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.

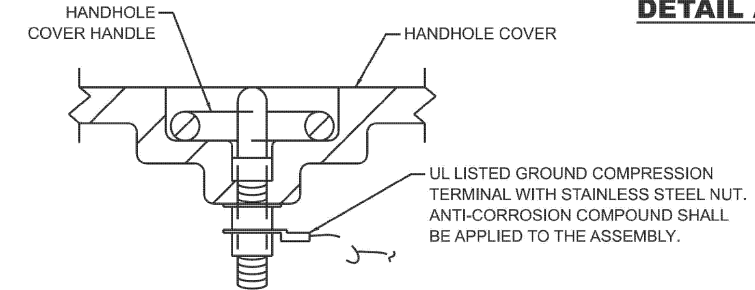
**HANDHOLE TO INTERCEPT EXISTING CONDUIT**



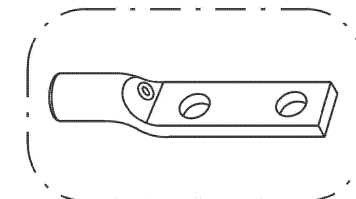
**MAST ARM / POST GROUNDING DETAIL**



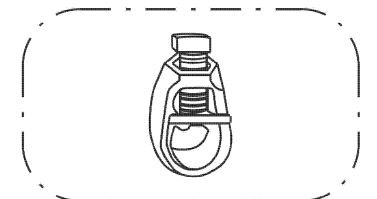
**DETAIL A**



**DETAIL B**



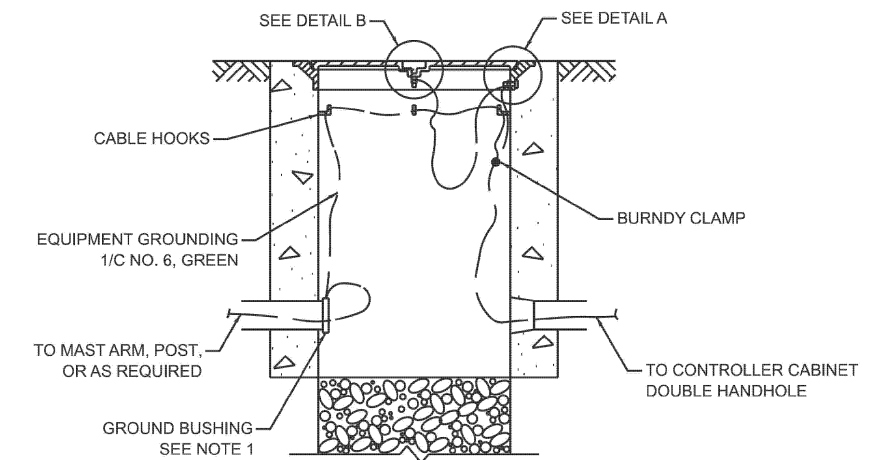
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



3/4" HEAVY-DUTY GROUND ROD CLAMP BRONZE OR COPPER, UL APPROVED (BURNDY TYPE GRC OR APPROVED EQUAL)

**NOTES:**

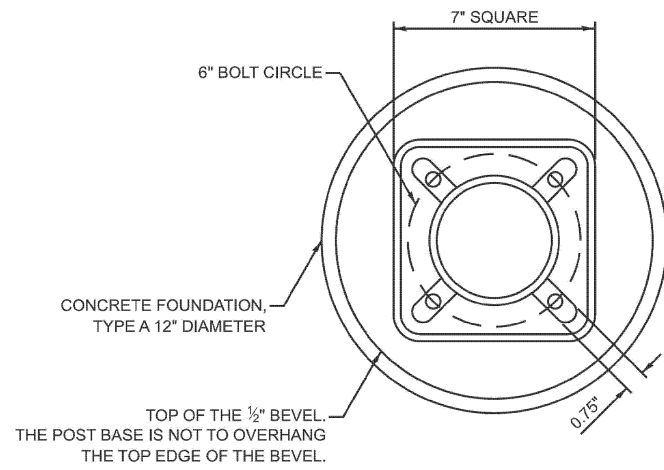
1. CONDUIT THAT HAS BEEN DRILLED INTO AN EXISTING HANDHOLE WILL REQUIRE A GROUND BUSHING FOR THE CONDUIT TO BE PROPERLY GROUNDING.
2. GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' OF SLACK SHALL BE PROVIDED IN SINGLE AND DOUBLE HANDHOLES. 5' OF SLACK SHALL BE PROVIDED BETWEEN THE FRAME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



**HANDHOLE GROUNDING DETAIL**

MODEL: TS057  
FILE NAME: X:\Projects\2023\38219700 IDOT PFB 207-004 Var TS24009 cMAQ Int 1\CADD Data\Sheets\621W83-sh1-d1 ts details.dgn

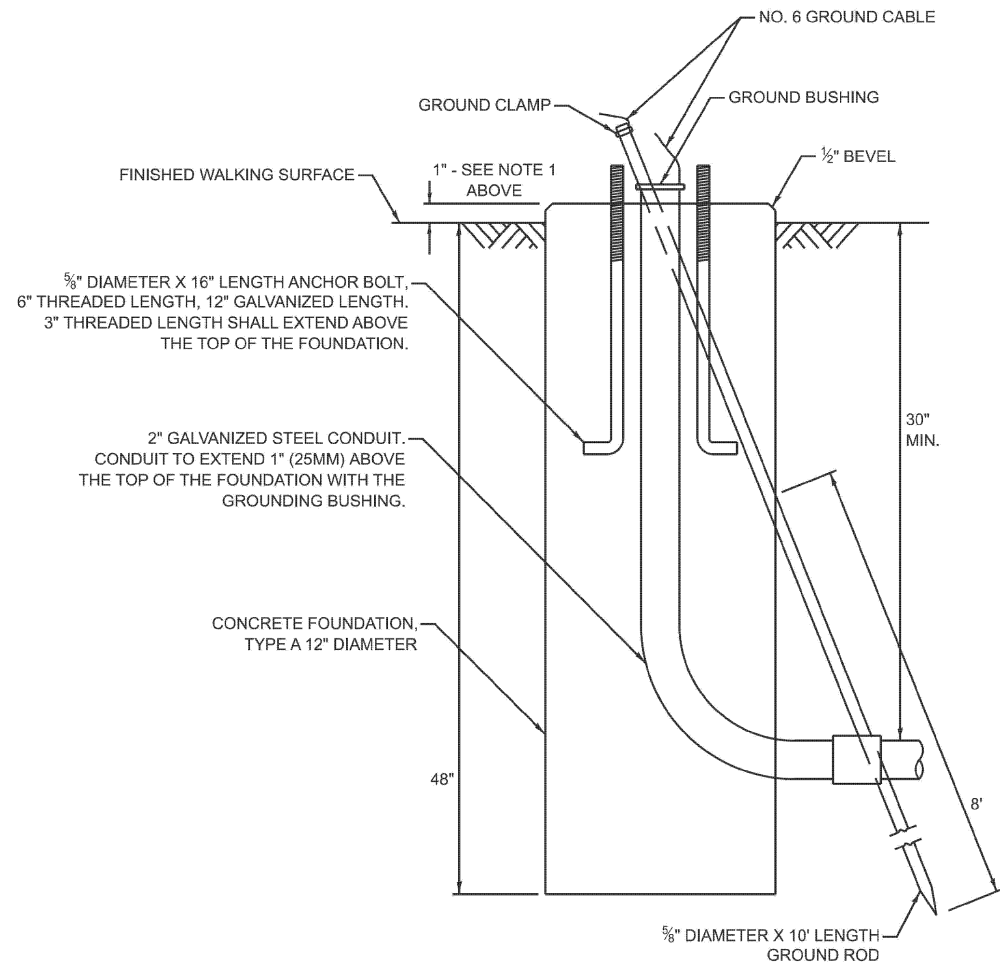
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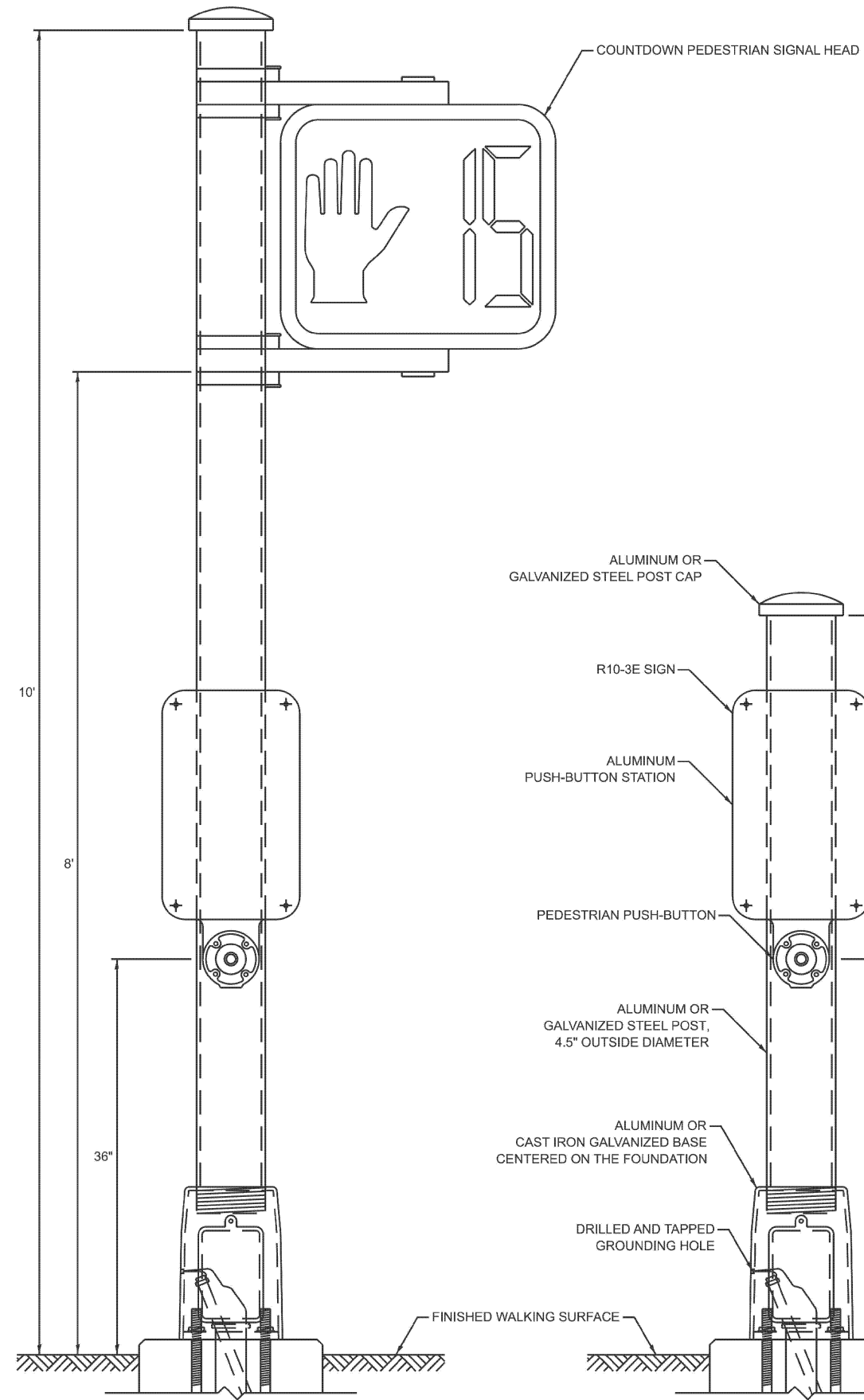
**BOLT PATTERN**

**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.

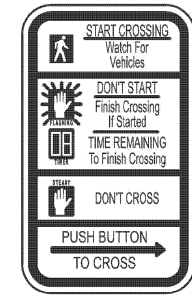


**CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER**



**PEDESTRIAN SIGNAL POST, 10 FT.**

**PEDESTRIAN SIGNAL POST, 5 FT.**



R10-3E  
9" X 15"



W10-1101  
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 W10-1101 IS REQUIRED FOR EACH PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS.

MODEL: TS059  
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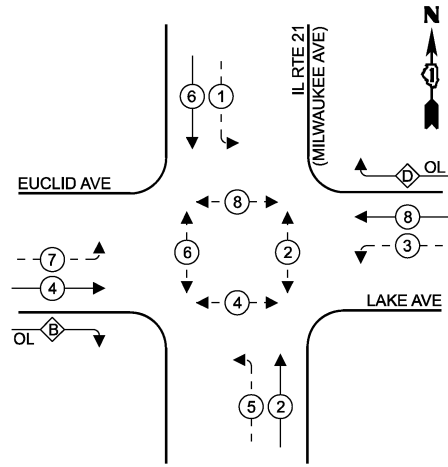
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	15
TS-01		CONTRACT NO. 62W83		
ILLINOIS FED. AID PROJECT				

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



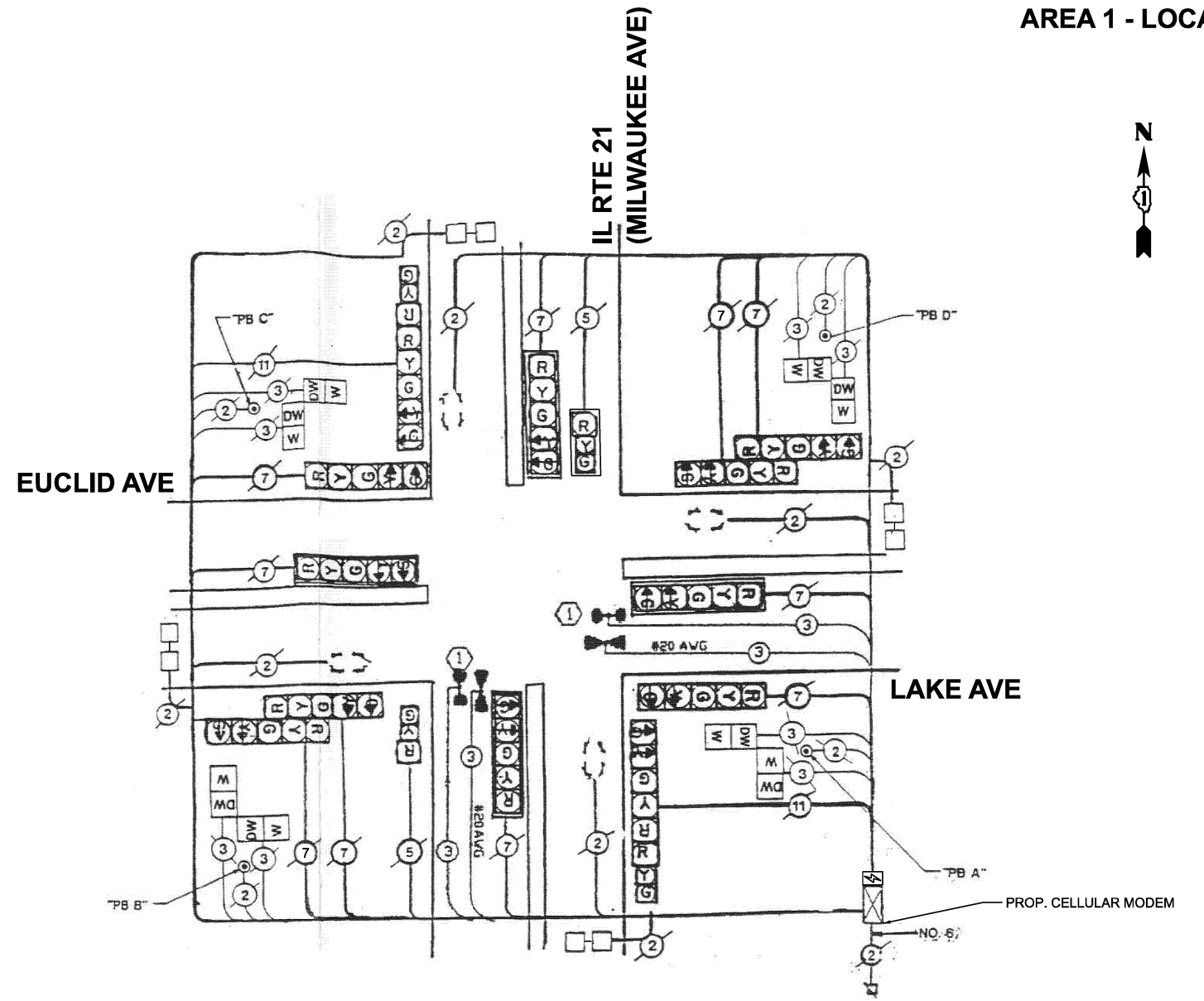
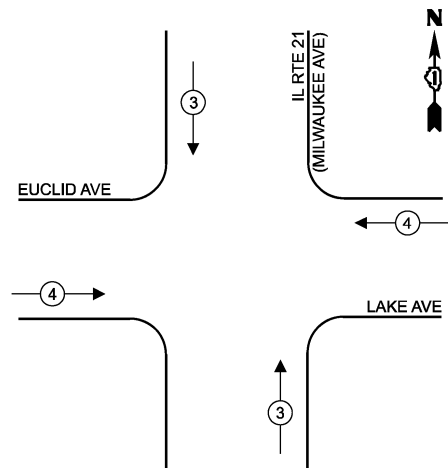
**LEGEND**

- ← \* → PROTECTED PHASE
- ← \* → SINGLE ENTRY PHASE
- ← \* - - PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ← OL → OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION**

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

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**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 8 AND 2.

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING			510
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			1115

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
201 W. CENTER CT,  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 8274742222  
METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
CELLULAR MODEM	EACH	1

MODEL: CAB-TS2050  
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DRAWN -	RG
CHECKED -	DW
PLOT DATE =	3/21/2026

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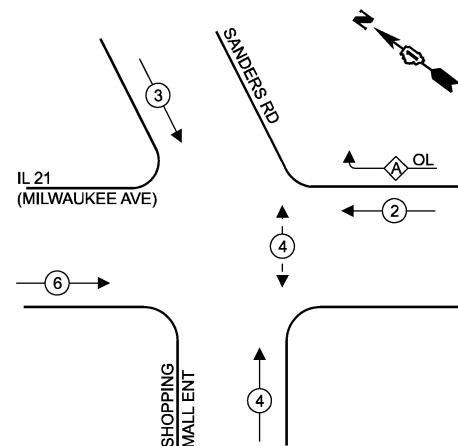
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
IL RTE 21 (MILWAUKEE AVE) AND LAKE AVE  
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	16
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**TS 2050**  
**IDOT CENTRACS**  
**SUBSYSTEM**

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



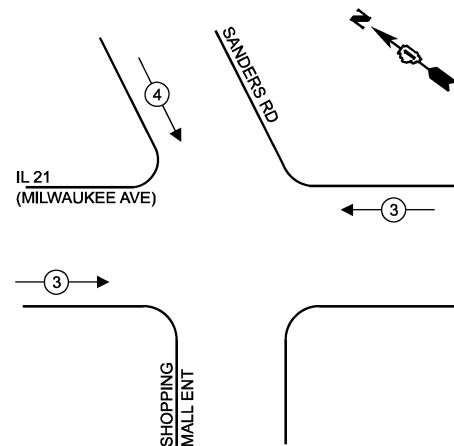
**LEGEND**

- ← \* → PROTECTED PHASE
- ← \* → SINGLE ENTRY PHASE
- ← \* - - PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ← \* OL → OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3

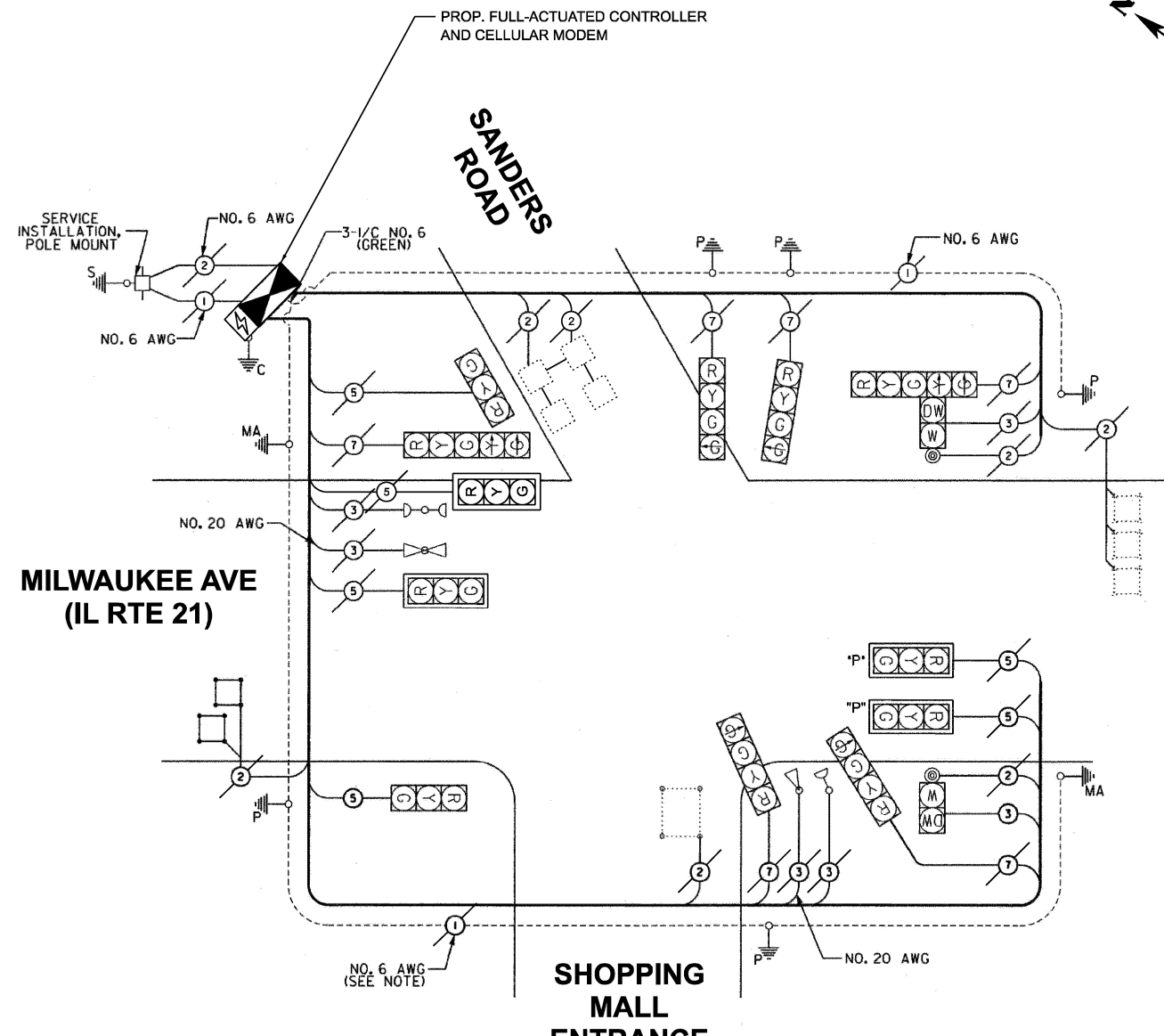
**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**REMOVAL NOTES:**

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

- 1 EACH CONTROLLER (ASC/2S-2100)



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	3	11	33
4-SECTION	4	14	56
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	2	22	44
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	2	15	30
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING			379
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			984

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (779)-231-2969  
COMPANY: COMED SKOKIE REGION

ACCOUNT NUMBER:  
METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL 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
CELLULAR MODEM	EACH	1

**TS 2045**  
**IDOT CENTRACS**  
**SUBSYSTEM**

MODEL: CAB-TS2045  
FILE NAME: X:\p\ts2045\2024\23892\219700 IDOT PFB 207-004 Var-TS2045.dwg  
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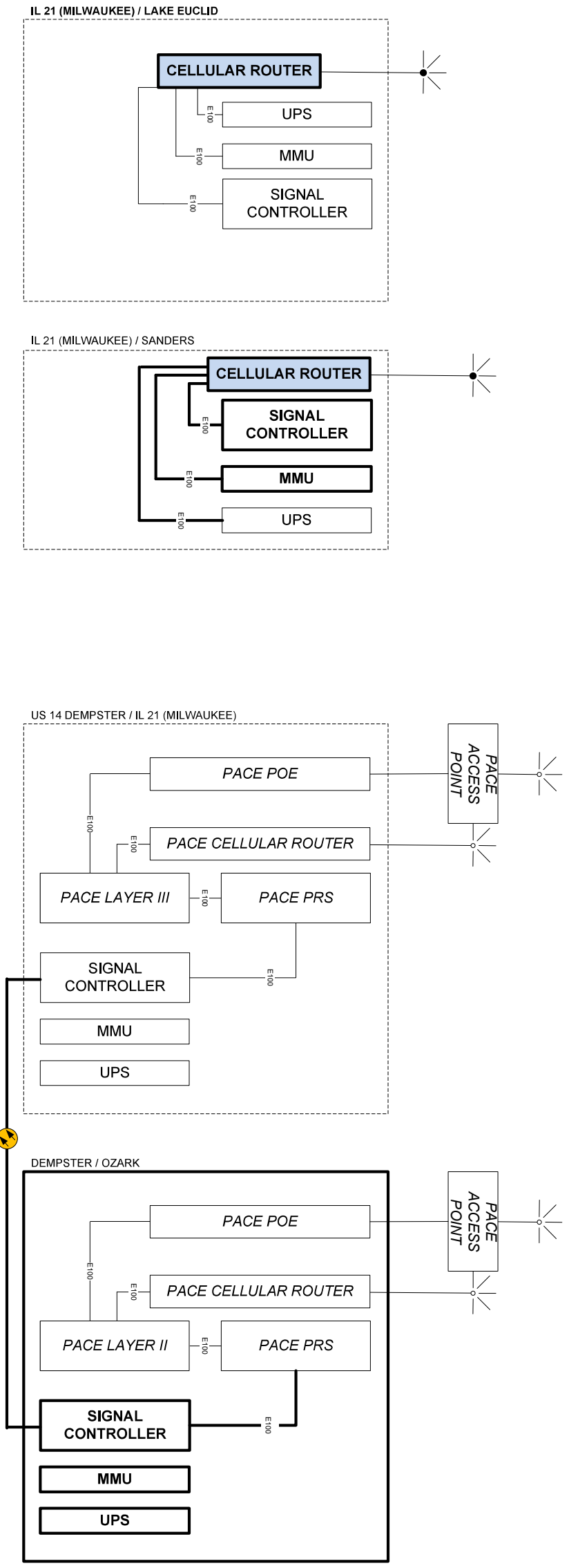
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DATE -	-	REVISED -	-

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

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

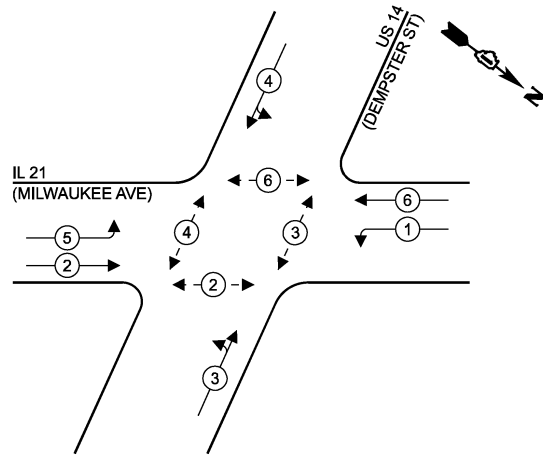
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	17
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

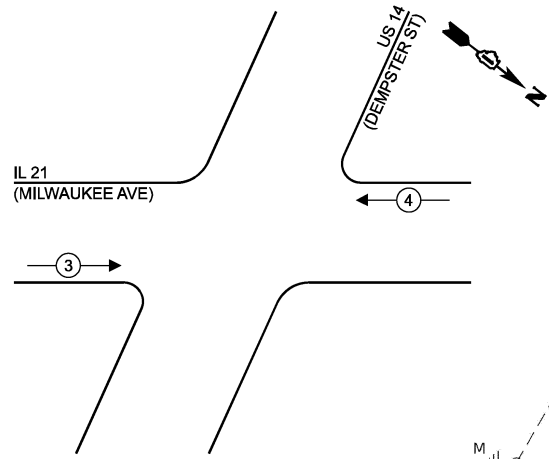


		DESIGNED - AG	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE N/A	CABINET DETAILS - AREAS 1 AND 2	F.A.P. RITE VAR	SECTION 2024-957-TS	COUNTY COOK	TOTAL SHEETS 92	SHEET NO. 18
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		CHECKED - DG	REVISIED -								
		DATE 2026.04.27	REVISIED -								

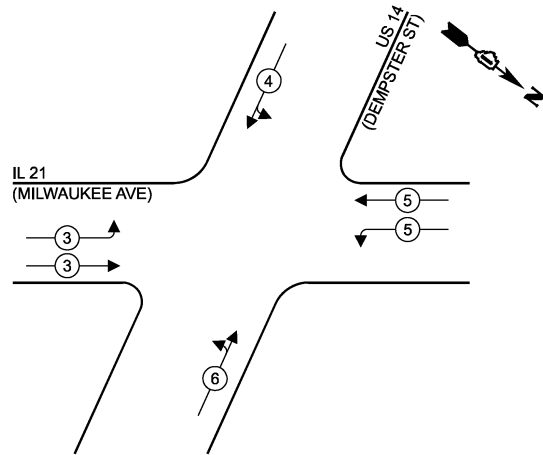
**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING TRANSIT SIGNAL PRIORITY SEQUENCE**



**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND**

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

**AREA 2 - LOCATION 3**

**IL 21 (MILWAUKEE AVE)**

**US 14 (DEMPSTER ST)**

PROP. INTERCONNECT TO OZARK AVE  
PROP. TRACER CABLE

EX. TRACER CABLE  
EX. INTERCONNECT TO BALLARD RD

**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	4	11	44
4-SECTION	2	14	28
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	6	22	132
4-SECTION	2	32	64
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING			785
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			1390

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
201 W. CENTER CT,  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 2007925000  
METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	3
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1455
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1

**TS 326**  
**ECON 11**  
**PACE TSP**

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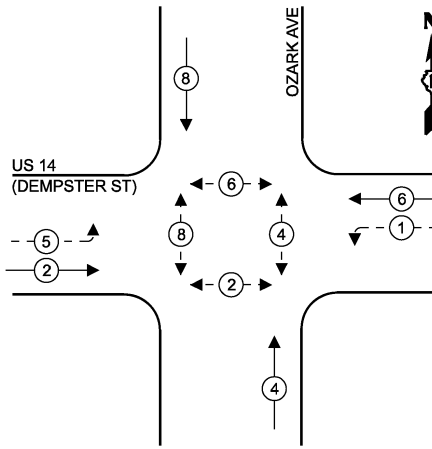
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

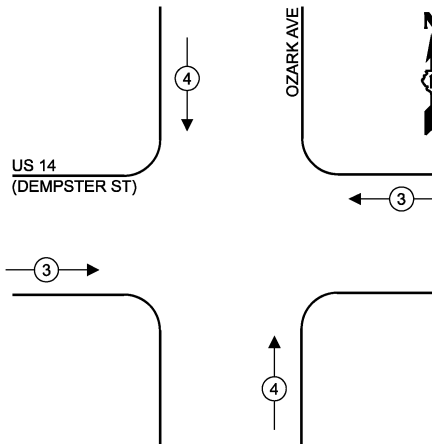
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**IL RTE 21 (MILWAUKEE AVE) AND US RTE 14 (DEMPSTER ST)**  
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W83	

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**

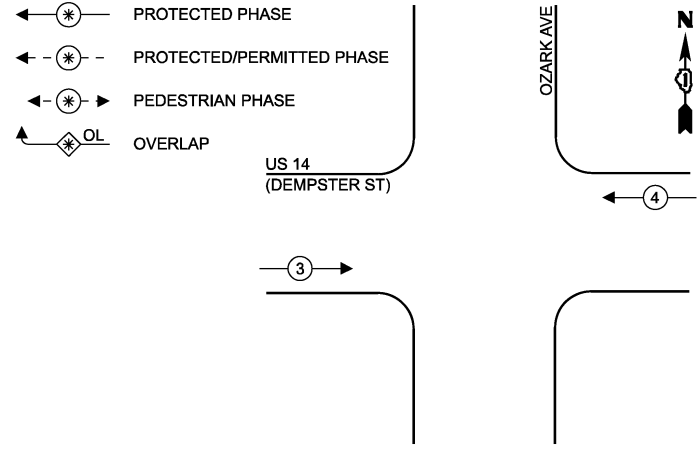


**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**EXISTING TRANSIT SIGNAL PRIORITY SEQUENCE**

**LEGEND**



**REMOVAL AND RELOCATION NOTES:**

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

- 1 EACH CABINET (TS1)
- 1 EACH UNINTERRUPTIBLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET:

- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY.

- 1 EACH CONTROLLER (M60)

THE FOLLOWING ITEMS AS LABELED INSIDE THE SIGNAL CABINET ARE PACE PROPERTY. CONTRACTOR SHALL CONTACT PACE AT 847-228-4287 OR 847-613-5889 FOR REMOVAL AND RELOCATION PRIOR TO ANY SIGNAL CABINET WORK. REFER TO SPECIAL PROVISION FOR PACE EQUIPMENT HANDELING.

- 1 EACH PRIORITY REQUEST SERVER (PACE)
- 1 EACH LAYER III SWITCH (PACE)
- 1 EACH ACCESS POINT EQUIPMENT (PACE)
- 1 EACH CELLULAR MODEM (PACE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	-	100	-
DETECTION RADAR OR VIDEO	1	25	25
BLANK-OUT SIGN	-	20	-
NETWORK SWITCH II OR III	-	25	-
CELLULAR MODEM	1	35	35
TOTAL UPS SIZING			507
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			1112

**ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT, SCHAUMBURG, IL 60196

**ENERGY SUPPLY:**

CONTACT: AXL DAVIS  
 PHONE: (773)-231-2969  
 COMPANY: COMED SKOKIE REGION  
 ACCOUNT NUMBER: 8880813333  
 METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	11
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1565
UNINTERRUPTIBLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

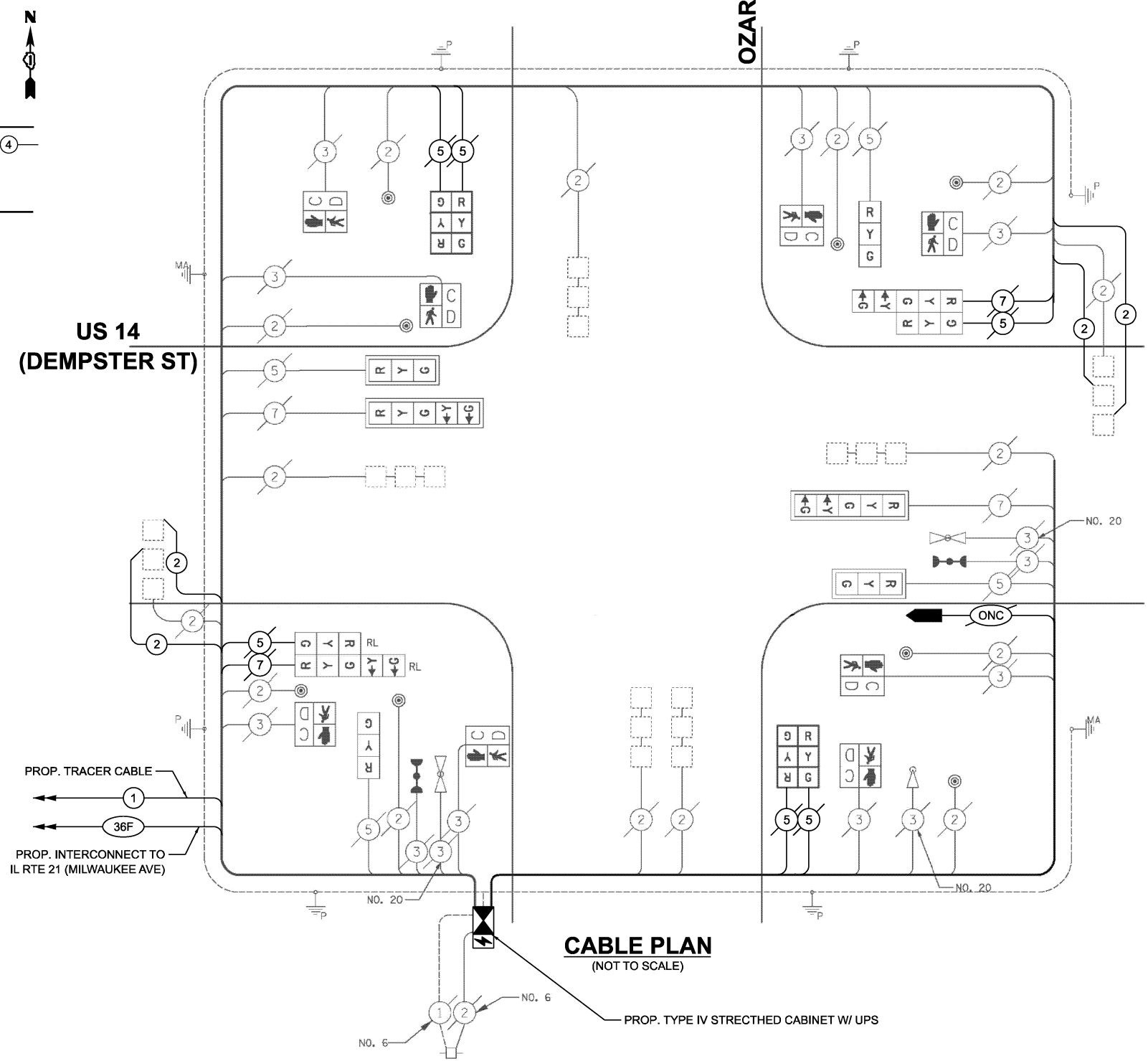
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES US RTE 14 (CALDWELL AVE) AND OZARK AVE**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

**AREA 2 - LOCATION 4**

**US 14 (DEMPSTER ST)**

PROP. TRACER CABLE  
 1  
 36F  
 PROP. INTERCONNECT TO IL RTE 21 (MILWAUKEE AVE)



**CABLE PLAN (NOT TO SCALE)**

PROP. TYPE IV STRETCHED CABINET W/ UPS

**TS 1265 ECON 11 PACE TSP**

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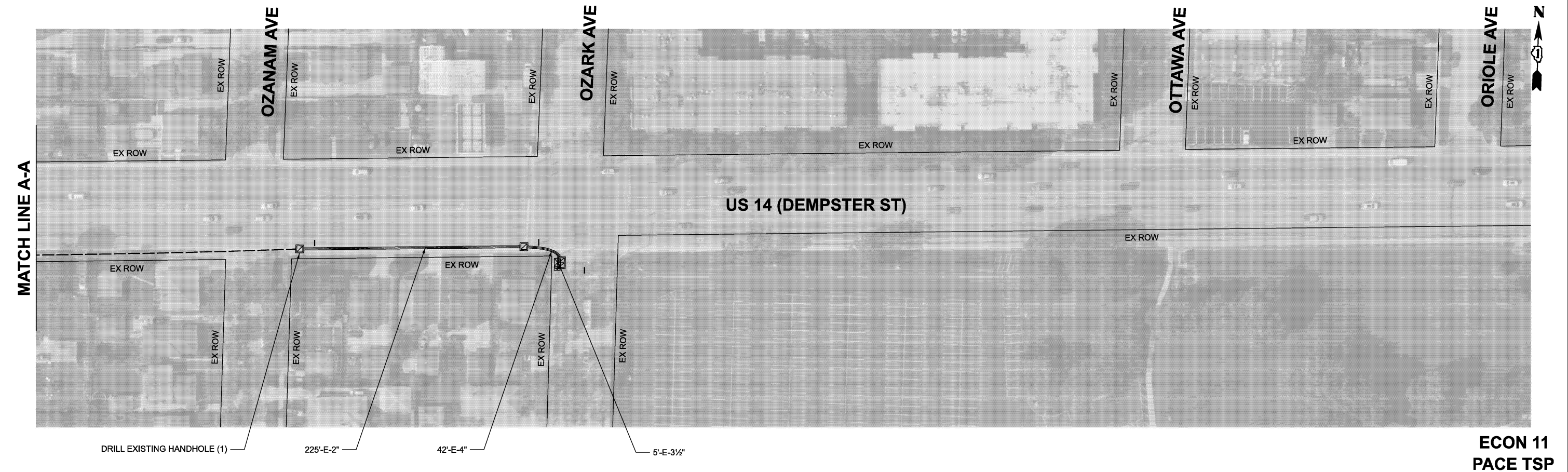
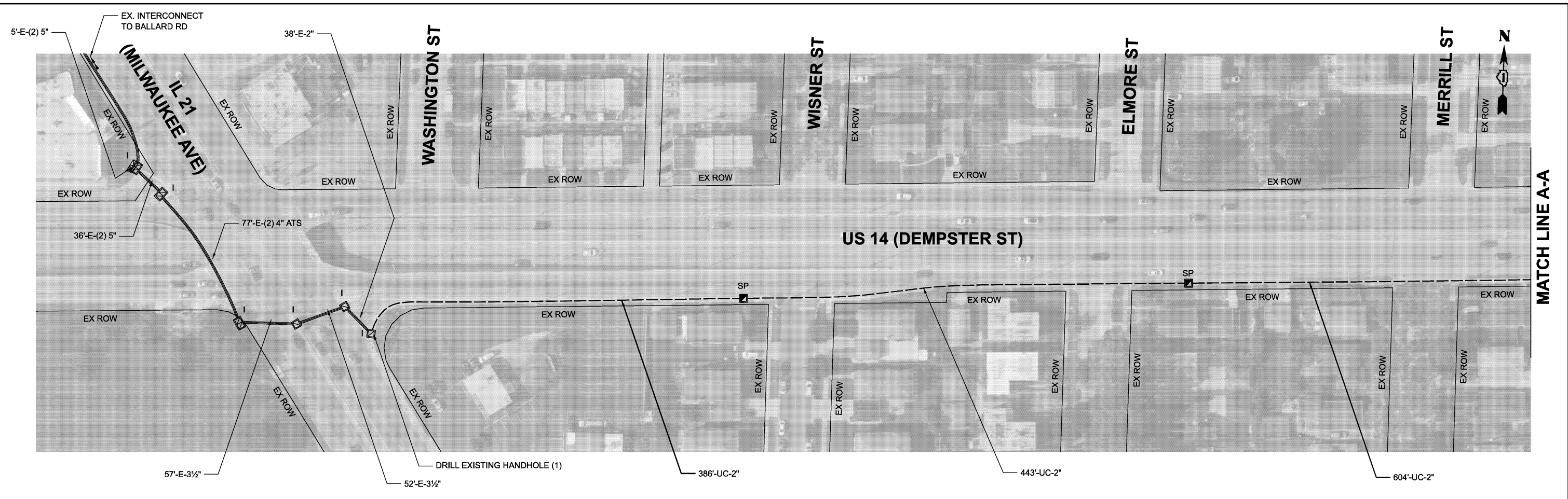


USER NAME = dwiktorzak  
 PLOT DATE = 3/21/2026

DESIGNED - ZH	REVISED -
DRAWN - RG	REVISED -
CHECKED - DW	REVISED -
DATE -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	20
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

MODEL: Location B - Sheet 1  
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**ECON 11  
 PACE TSP**



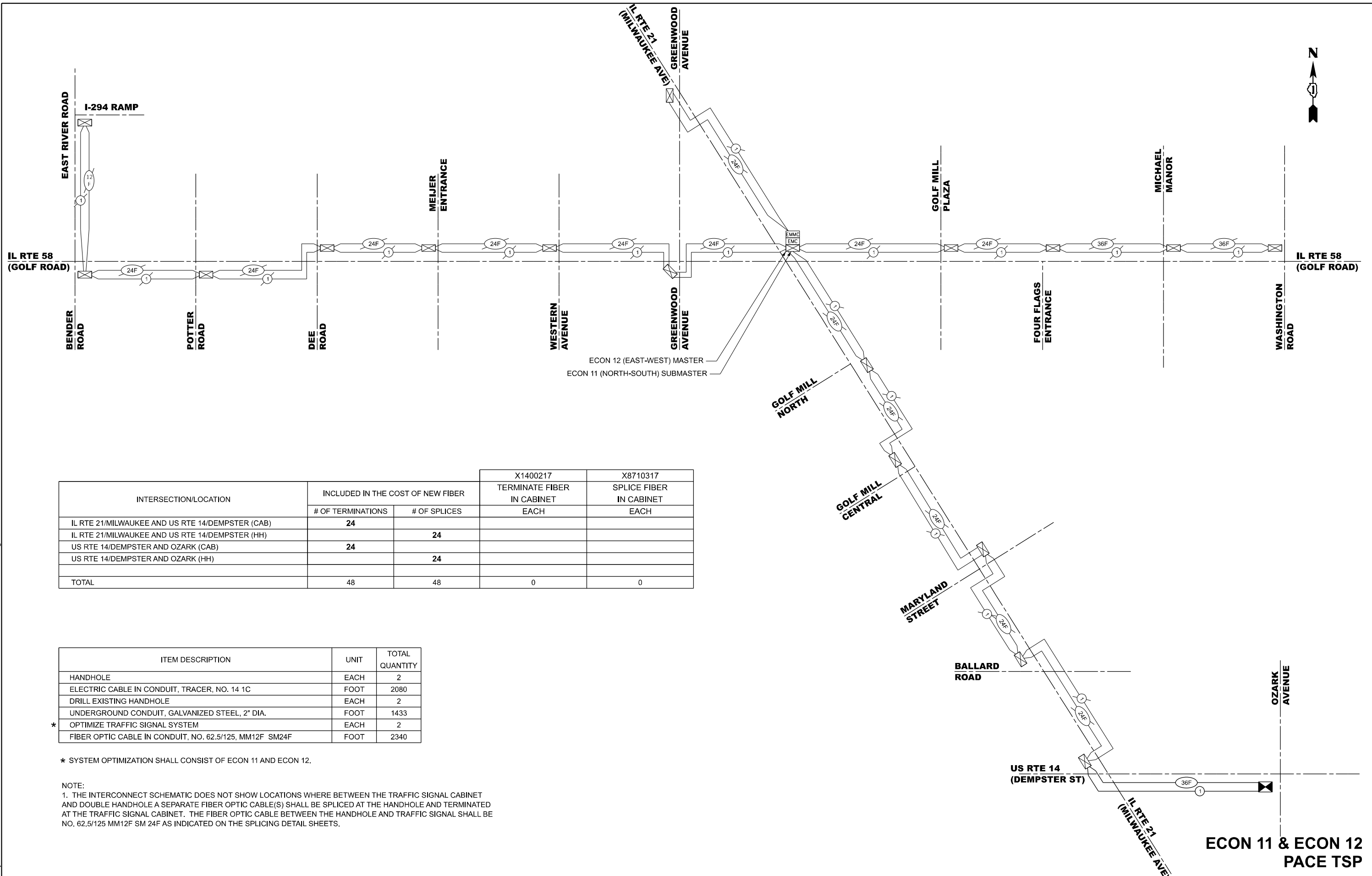
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PLOT DATE = 3/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - AREA 2  
 US RTE 14 (DEMPSTER ST) FROM IL RTE 21 TO OZARK AVE**

SCALE: SHEET 1 OF 1 SHEETS STA. 0+00.00 TO STA. 15+90.46

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	21
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				



INTERSECTION/LOCATION	INCLUDED IN THE COST OF NEW FIBER		X1400217	X8710317
	# OF TERMINATIONS	# OF SPLICES	TERMINATE FIBER IN CABINET EACH	SPLICE FIBER IN CABINET EACH
IL RTE 21/MILWAUKEE AND US RTE 14/DEMPSTER (CAB)	24			
IL RTE 21/MILWAUKEE AND US RTE 14/DEMPSTER (HH)		24		
US RTE 14/DEMPSTER AND OZARK (CAB)	24			
US RTE 14/DEMPSTER AND OZARK (HH)		24		
TOTAL	48	48	0	0

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2080
DRILL EXISTING HANDHOLE	EACH	2
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1433
* OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	2
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2340

\* SYSTEM OPTIMIZATION SHALL CONSIST OF ECON 11 AND ECON 12.

NOTE:  
 1. THE INTERCONNECT SCHEMATIC DOES NOT SHOW LOCATIONS WHERE BETWEEN THE TRAFFIC SIGNAL CABINET AND DOUBLE HANDHOLE A SEPARATE FIBER OPTIC CABLE(S) SHALL BE SPLICED AT THE HANDHOLE AND TERMINATED AT THE TRAFFIC SIGNAL CABINET. THE FIBER OPTIC CABLE BETWEEN THE HANDHOLE AND TRAFFIC SIGNAL SHALL BE NO. 62.5/125 MM12F SM 24F AS INDICATED ON THE SPLICING DETAIL SHEETS.

**ECON 11 & ECON 12 PACE TSP**

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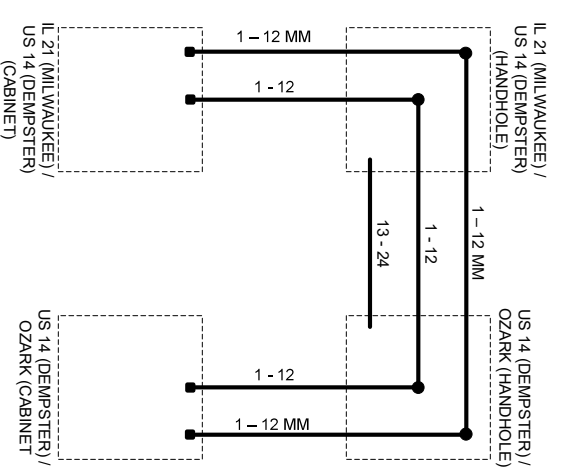
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC - AREA 2  
 US RTE 14 (DEMPSTER ST) FROM IL RTE 21 TO OZARK AVE**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

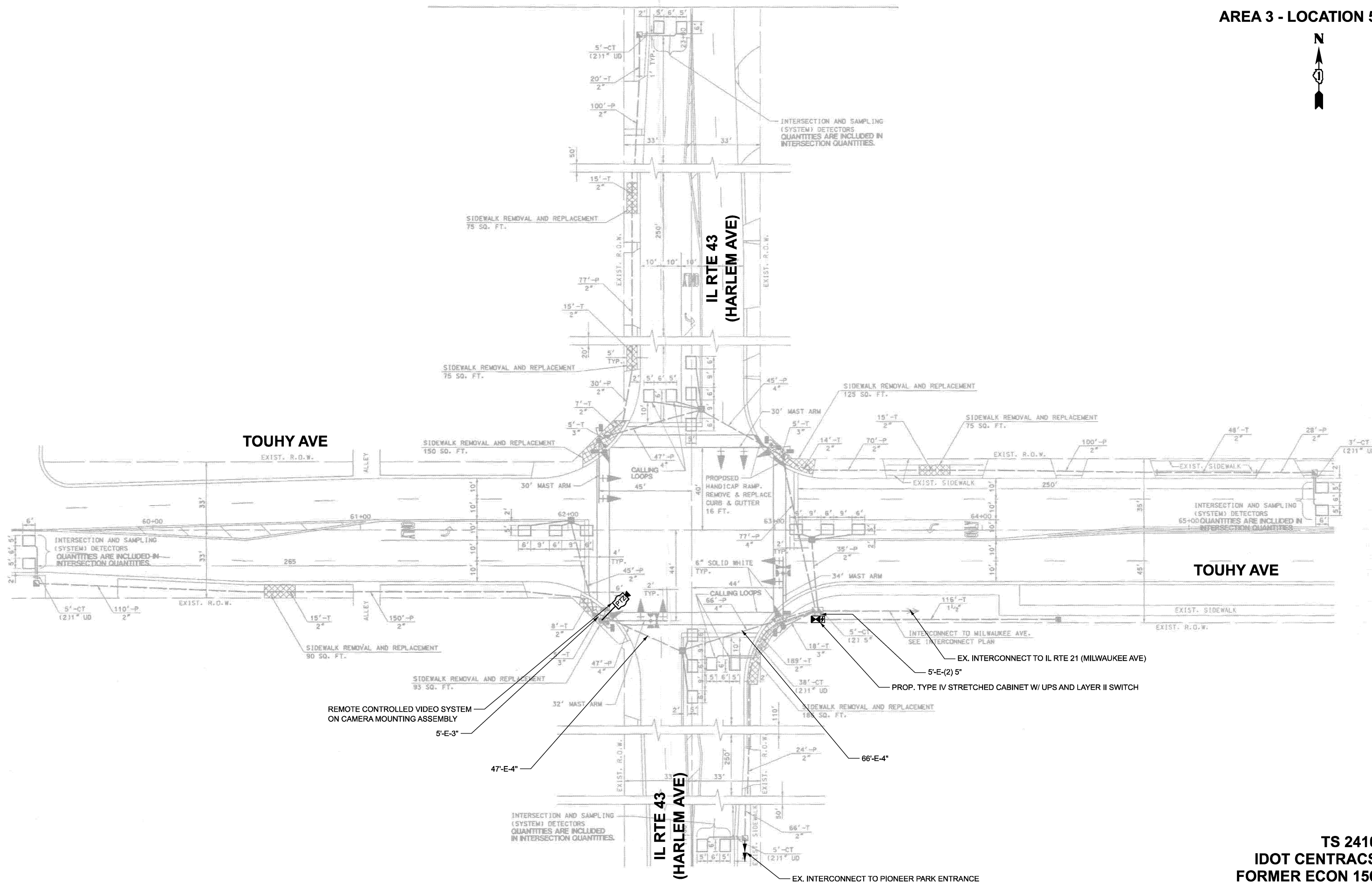
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	93	22
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

- EXISTING CONNECTOR / EXISTING FIBER
- NEW CONNECTOR / EXISTING FIBER
- EXISTING FUSION SPLICE / EXISTING FIBER
- NEW FUSION SPLICE / EXISTING FIBER
- NEW CONNECTOR / NEW FIBER
- NEW FUSION SPLICE / NEW FIBER



DESIGNED - AG		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SPlicing DETAILS - AREA 2		F.A.P.	
DRAWN - AG		REVISED -				US RTE 14 (DEMPOSTER ST) FROM IL RTE 21 TO OZARK AVE		RTE.	
CHECKED - DG		REVISED -				SCALE N/A		VAR	
DATE 2026.04.27		REVISED -				SECTION		TOTAL SHEETS	
						2024-957-TS		92	
								23	
								COUNTY	
								COOK	
								CONTRACT NO. 62W63	
								ILLINOIS	
								FED. AID PROJECT	





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**TS 2410**  
**IDOT CENTRACS**  
**FORMER ECON 156**



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
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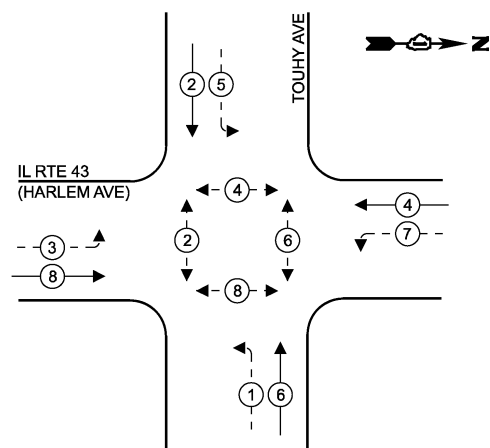
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN**  
**TOUHY AVE AND IL RTE 43 (HARLEM AVE)**

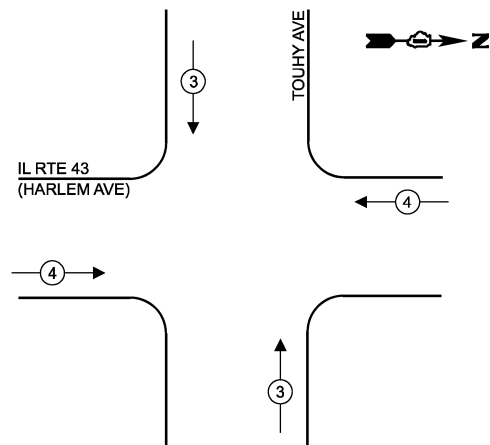
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	24
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND**

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

**REMOVAL AND RELOCATION NOTES:**

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

- 1 EACH CABINET (TS1) AND CONTROLLER (ASC/2-1000) (COMPLETE)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET:

- 1 EACH LIGHT DETECTOR AMPLIFIER

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
PTZ CAMERA	1	75	75
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			553
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			1158

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

ENERGY SUPPLY:

CONTACT: AXL DAVIS

PHONE: (773)-231-2969

COMPANY: COMED SKOKIE REGION

ACCOUNT NUMBER: 2007925000

METER NUMBER:

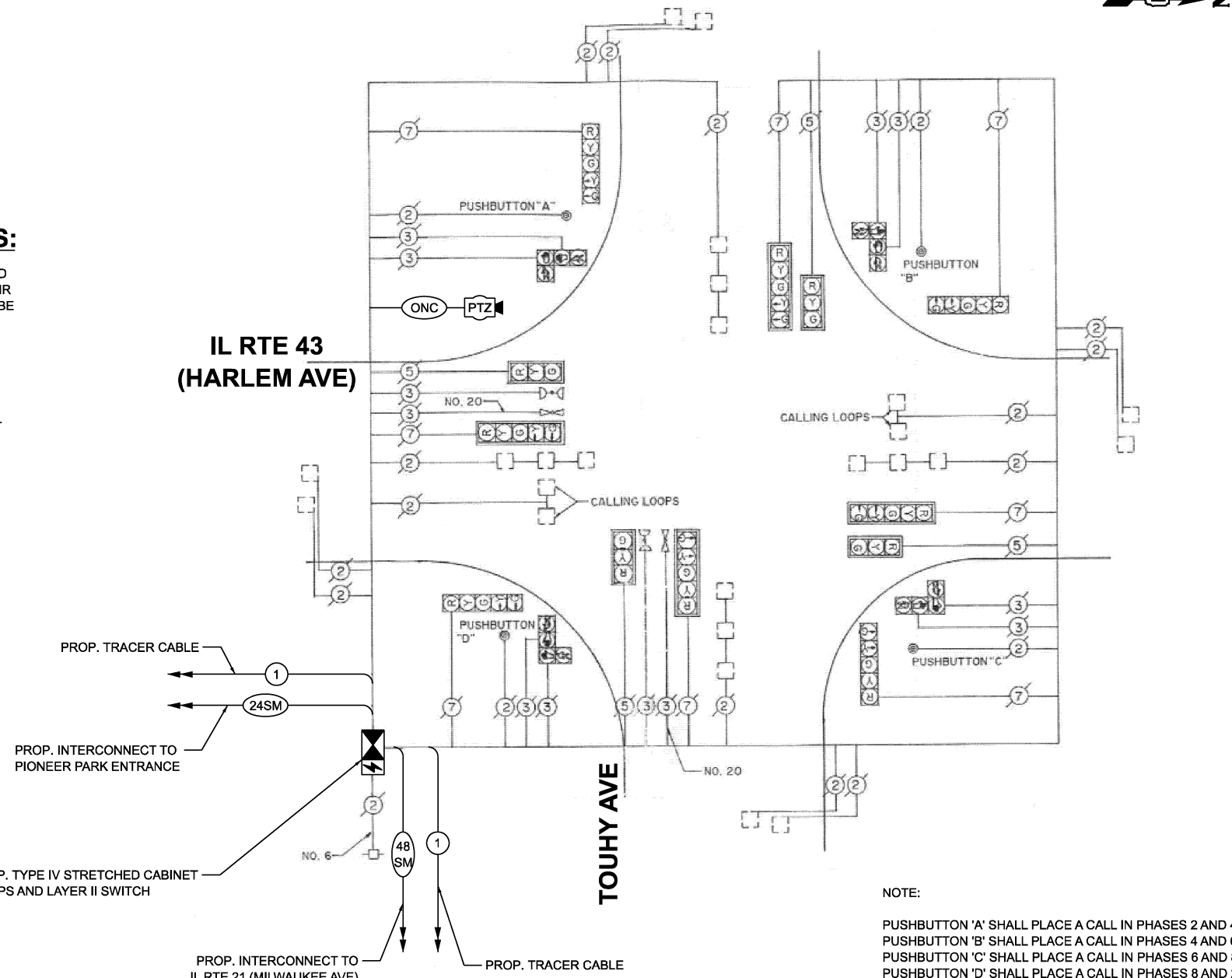
ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	195
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	14
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY  
VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES  
TOUHY AVE AND IL RTE 43 (HARLEM AVE)**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	25
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				



**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 8 AND 2.

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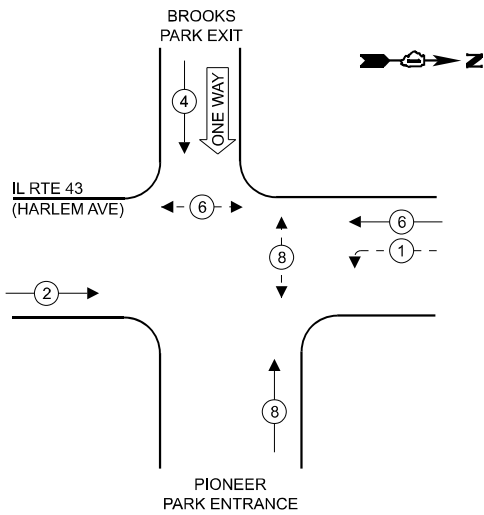


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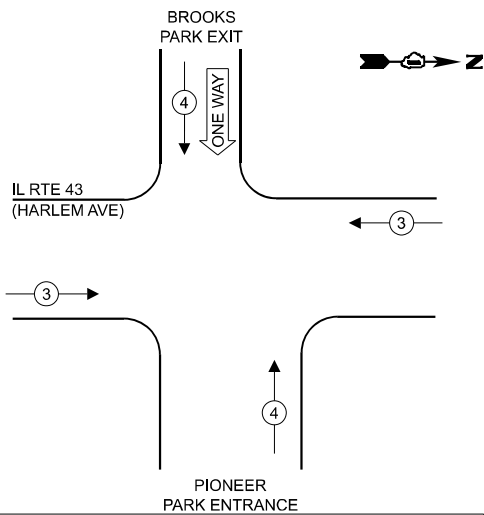
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DATE -		REVISED -	

**TS 2410  
IDOT CENTRACS  
FORMER ECON 156**

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND**

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

**REMOVAL AND RELOCATION NOTES:**

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

- 1 EACH CABINET (TS1) AND CONTROLLER (ASC/2-2100) (COMPLETE)
- 1 EACH UNINTERUPTABLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET:

- 1 EACH LIGHT DETECTOR AMPLIFIER

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			406
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			1011

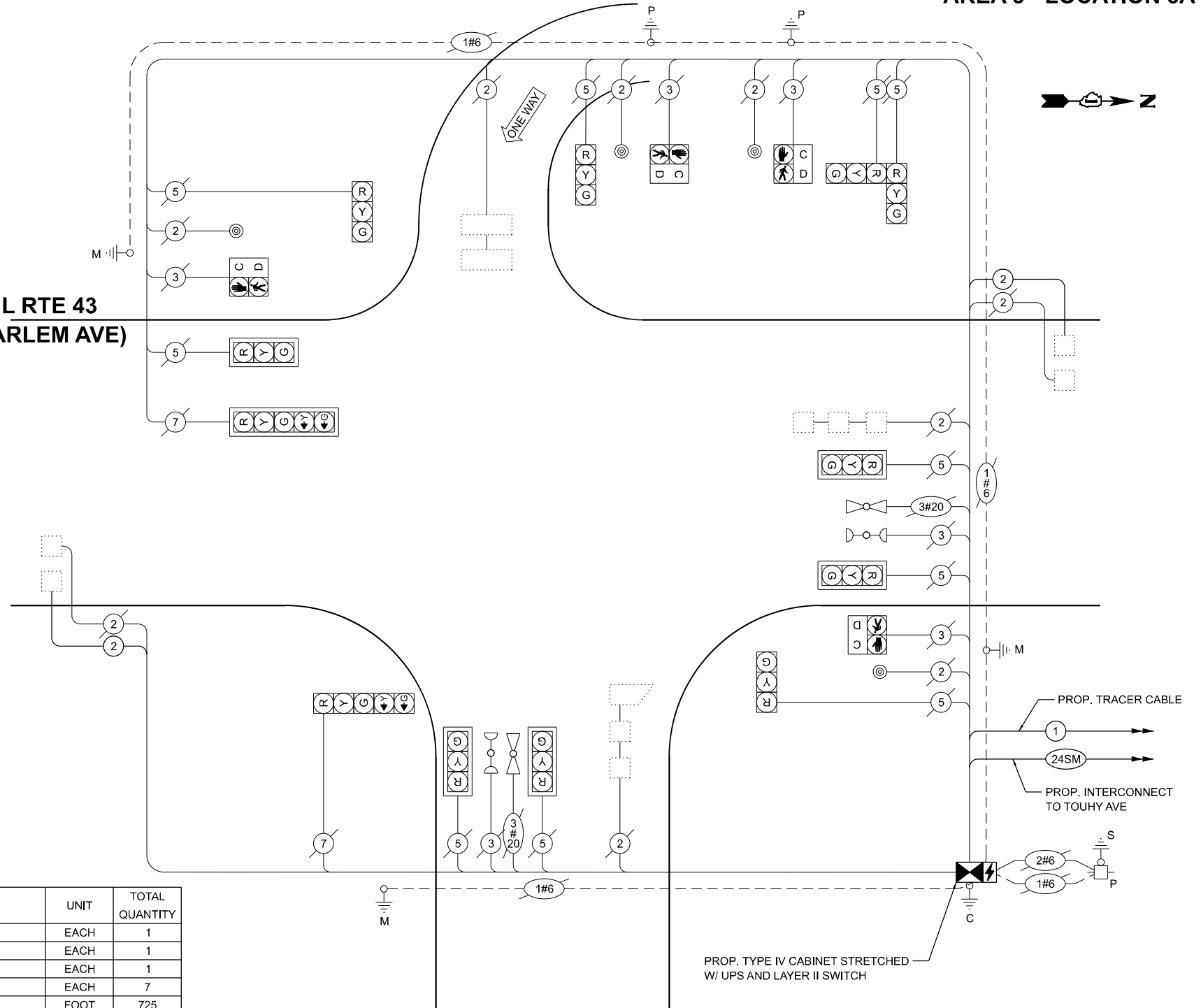
ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	7
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	725
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH ACCESS	EACH	1

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
 201 W. CENTER CT,  
 SCHAUMBURG, IL 60196  
 ENERGY SUPPLY:  
 CONTACT: AXL DAVIS  
 PHONE: (773)-231-2969  
 COMPANY: COMED SKOKIE REGION  
 ACCOUNT NUMBER: 8880813333  
 METER NUMBER:

**BROOKS PARK EXIT**

**AREA 3 - LOCATION 5A**

**IL RTE 43 (HARLEM AVE)**



**PIONEER PARK ENTRANCE**

**CABLE PLAN (NOT TO SCALE)**

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES IL RTE 43 (HARLEM AVE) AND PIONEER PARK**

**TS 2411 IDOT CENTRACS FORMER ECON 156**

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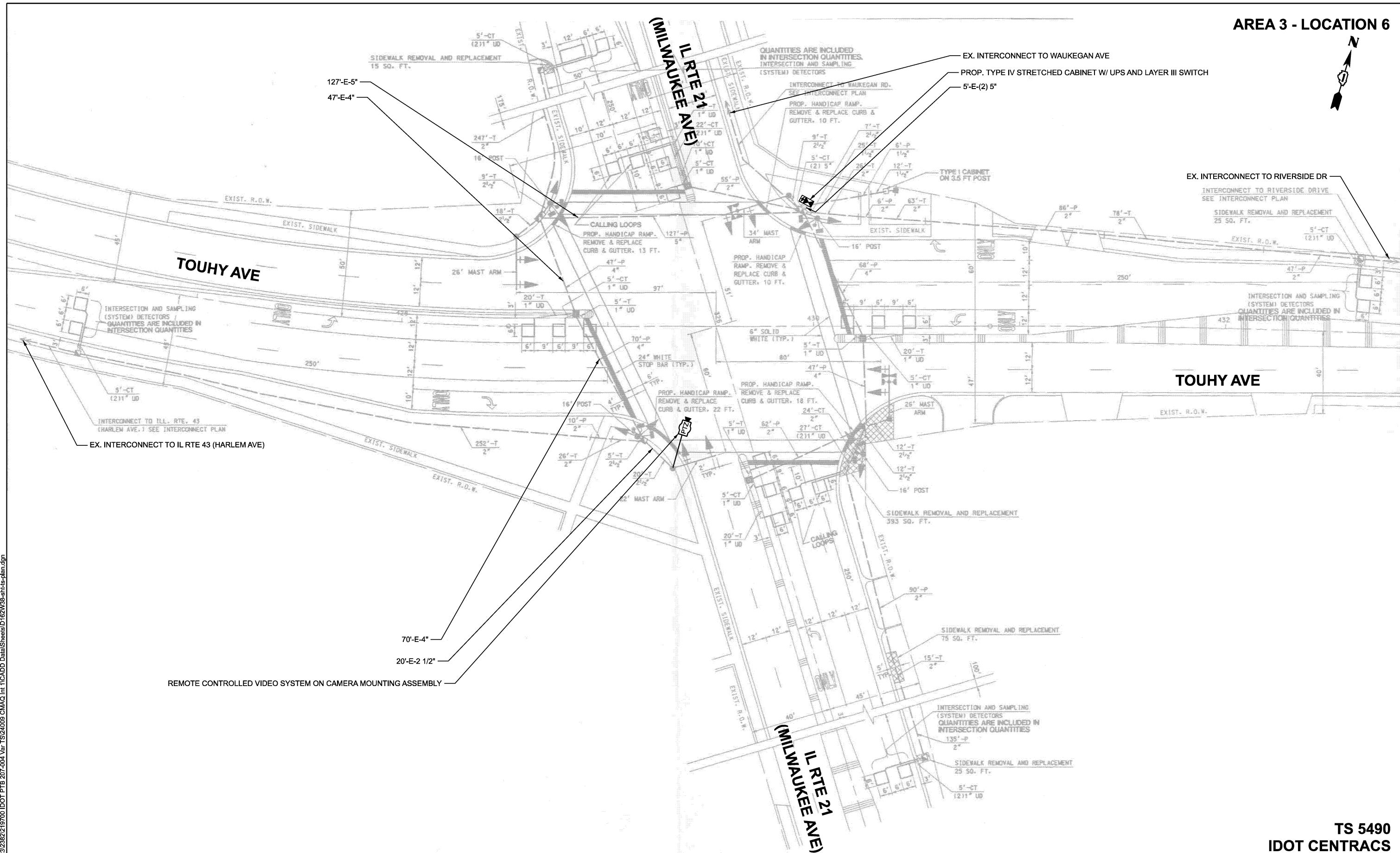


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DESIGNED -	ZH
DRAWN -	RG
CHECKED -	DW
PLOT DATE =	3/21/2026

DESIGNED -	ZH	REVISED -	
DRAWN -	RG	REVISED -	
CHECKED -	DW	REVISED -	
DATE -		REVISED -	

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	26
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	



MODEL: TS 5490 Plan  
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**TS 5490**  
**IDOT CENTRACS**  
**FORMER ECON 156**  
**PACE TSP**



USER NAME = dwtorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

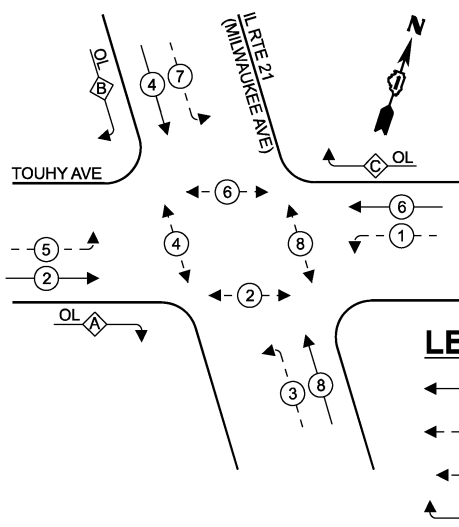
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN**  
**TOUHY AVE AND IL RTE 21 (MILWAUKEE AVE)**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	27
CONTRACT NO. 62W83				
ILLINOIS		FED. AID PROJECT		

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**RIGHT TURN OVERLAP PHASE DESIGNATION**

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

**LEGEND**

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

**REMOVAL AND RELOCATION NOTES:**

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

- 1 EACH CABINET (TS1)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET:

- 1 EACH LIGHT DETECTOR AMPLIFIER

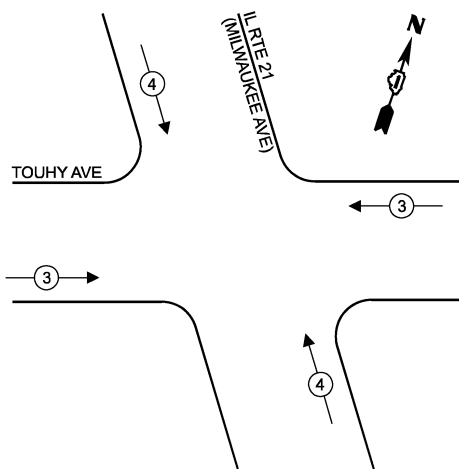
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY.

- 1 EACH CONTROLLER (COBALT)

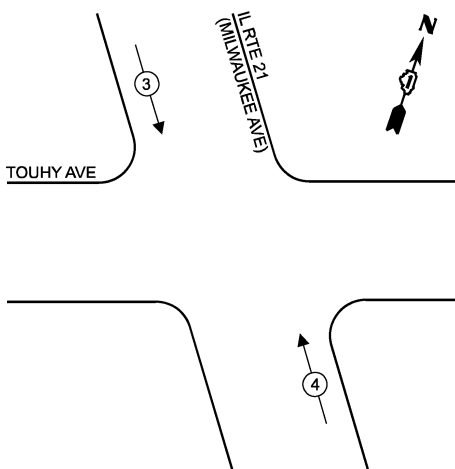
THE FOLLOWING ITEMS AS LABELED INSIDE THE SIGNAL CABINET ARE PACE PROPERTY. CONTRACTOR SHALL CONTACT PACE AT 847-228-4287 OR 847-613-5889 FOR REMOVAL AND RELOCATION PRIOR TO ANY SIGNAL CABINET WORK. REFER TO SPECIAL PROVISION FOR PACE EQUIPMENT HANDLING.

- 1 EACH LAYER II SWITCH (PACE)
- 1 EACH ACCESS POINT EQUIPMENT (PACE)
- 1 EACH PRIORITY REQUEST SERVER (PACE)

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**EXISTING AND PROPOSED TRANSIT SIGNAL PRIORITY SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	2	11	22
4-SECTION	-	14	-
5-SECTION	14	13	182
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
PTZ CAMERA	1	75	75
NETWORK SWITCH II OR III	2	35	70
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING			659
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			1264

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

ENERGY SUPPLY:

CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 2007925000  
METER NUMBER:

TOUHY AVE

PROP. TRACER CABLE  
1  
48SM  
PROP. INTERCONNECT TO IL 43 (HARLEM AVE)

**CABLE PLAN**  
(NOT TO SCALE)

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	340
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	14
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
POWER OVER ETHERNET EXTENDER	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH DISTRIBUTION	EACH	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.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	28
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

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CHECKED - DW  
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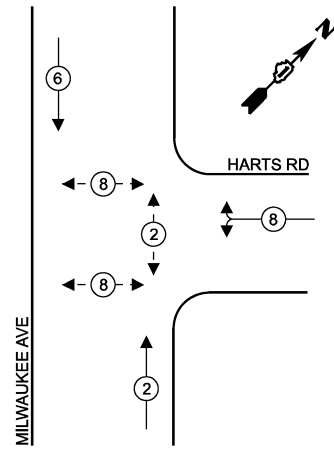
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DATE -  
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SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

**TS 5490**  
**IDOT CENTRACS**  
**FORMER ECON 156**  
**PACE TSP**

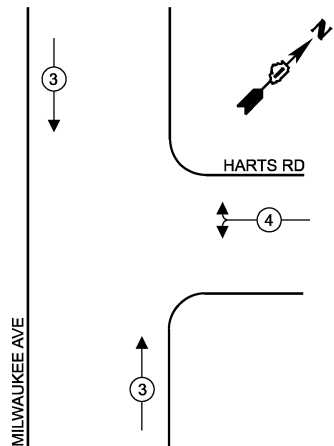
**EXISTING CONTROLLER SEQUENCE**



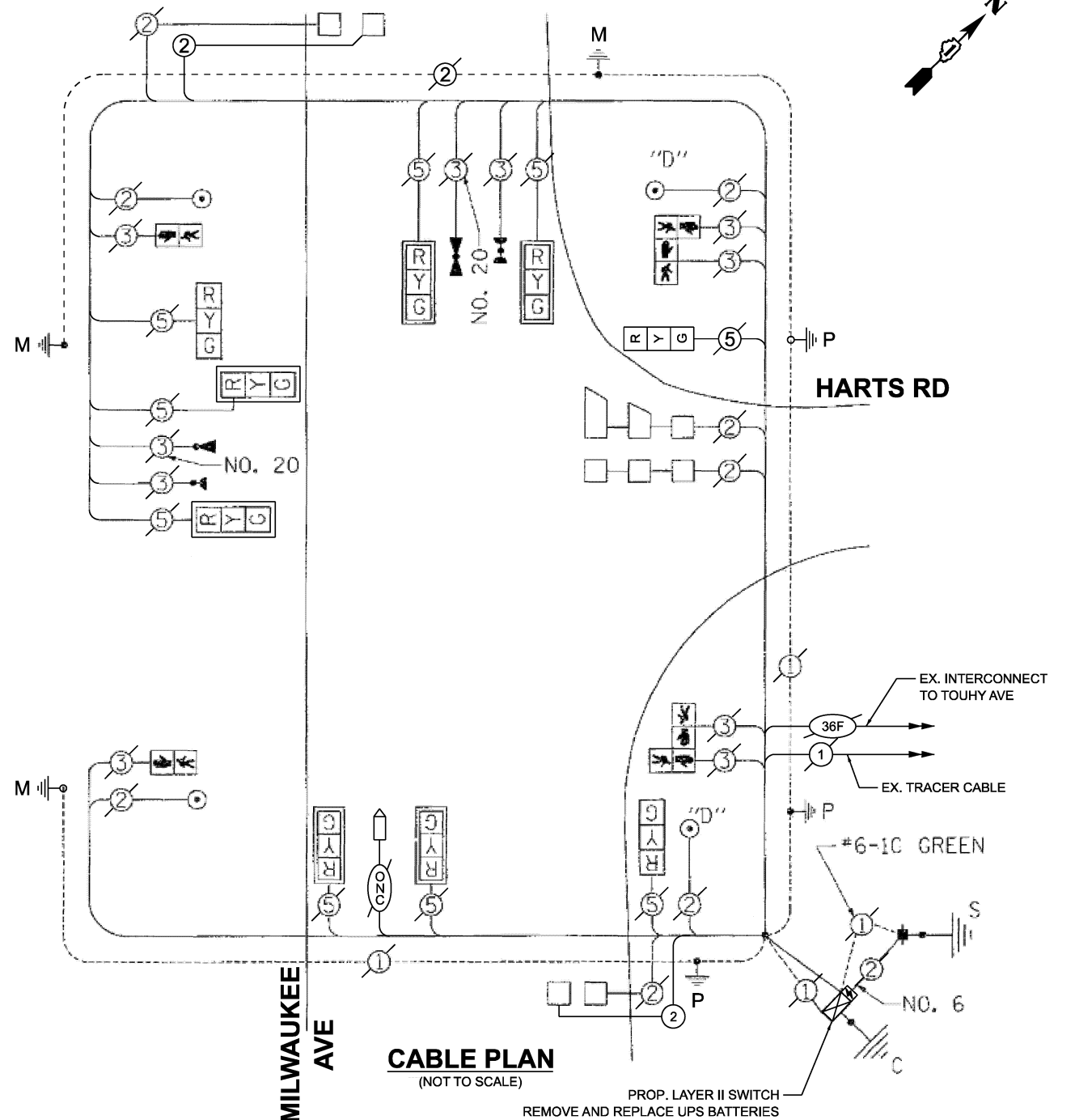
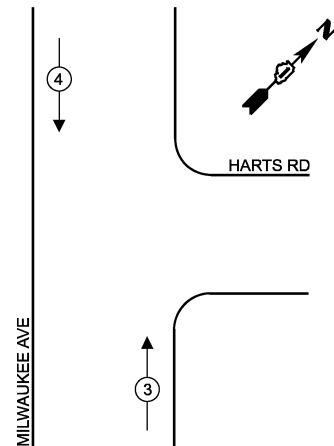
**LEGEND**

- ← (⊙) ← PROTECTED PHASE
- ← (⊙) ← PROTECTED/PERMITTED PHASE
- ← (⊙) ← PEDESTRIAN PHASE
- ← (⊙) ← OVERLAP

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**EXISTING TRANSIT SIGNAL PRIORITY SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

PROP. LAYER II SWITCH REMOVE AND REPLACE UPS BATTERIES

NOTE:  
PUSHBUTTON 'D' SHALL PLACE A CALL IN PHASES 2 AND 8

**PACE EQUIPMENT NOTES**

THE FOLLOWING ITEMS AS LABELED INSIDE THE SIGNAL CABINET ARE PACE PROPERTY. CONTRACTOR SHALL CONTACT PACE AT 847-228-4287 OR 847-613-5889 FOR REMOVAL AND RELOCATION PRIOR TO ANY SIGNAL CABINET WORK. REFER TO SPECIAL PROVISION FOR PACE EQUIPMENT HANDLING.

- 1 EACH LAYER II SWITCH (PACE)
- 1 EACH ACCESS POINT EQUIPMENT (PACE)
- 1 EACH CELLULAR MODEM (PACE)
- 1 EACH PRIORITY REQUEST SERVER (PACE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	9	11	99
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	6	15	90
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	2	35	70
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING			449
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			1054

**ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 2007925000  
METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	445
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
NETWORK SWITCH ACCESS	EACH	1

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2024-957-TS		COOK	92	29
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

**TS 5285**  
**IDOT CENTRACS**  
**FORMER ECON 156**  
**PACE TSP**

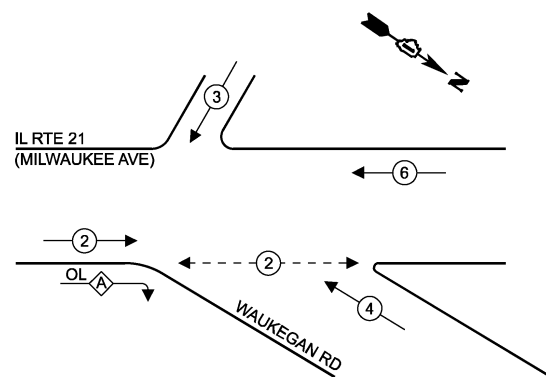
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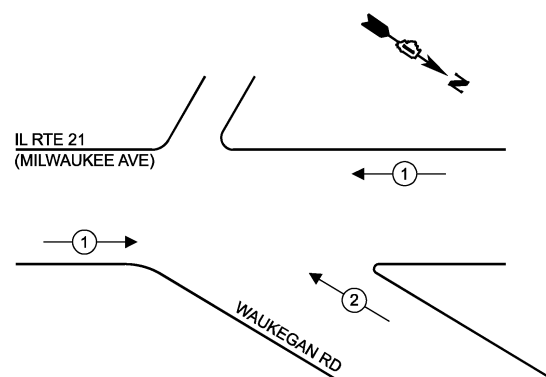
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DRAWN - RG  
CHECKED - DW  
PLOT DATE = 3/21/2026

REVISIONS:  
REVISOR: -  
REVISION: -  
REVISOR: -  
REVISION: -

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



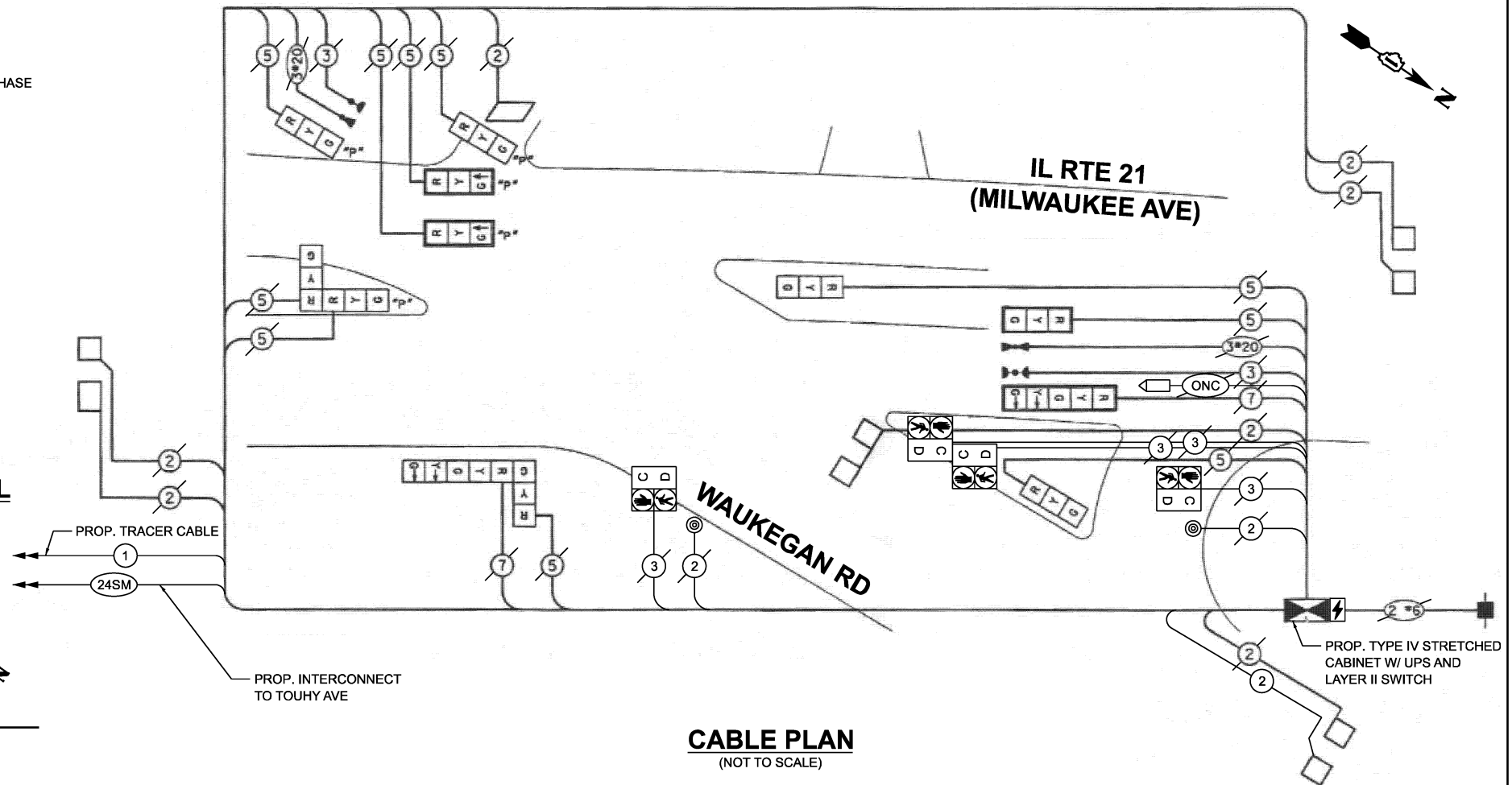
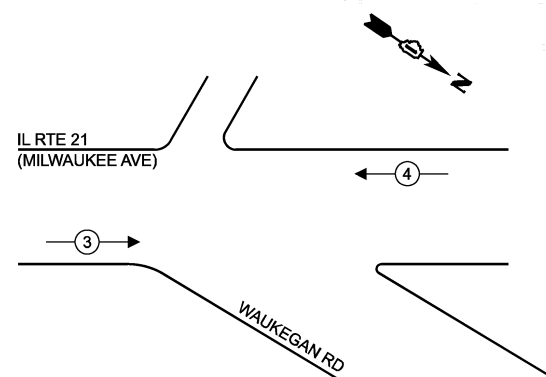
**LEGEND**

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

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP PERMISSIVE PROTECTED  
LETTER PHASE PHASE  
A = 2 + 4

**EXISTING TRANSIT SIGNAL PRIORITY SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**REMOVAL AND RELOCATION NOTES:**

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

- 1 EACH CABINET (TS1)
- 1 EACH UNINTERRUPTIBLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET:

- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY.

- 1 EACH CONTROLLER (COBALT)

THE FOLLOWING ITEMS AS LABELED INSIDE THE SIGNAL CABINET ARE PACE PROPERTY. CONTRACTOR SHALL CONTACT PACE AT 847-228-4287 OR 847-613-5889 FOR REMOVAL AND RELOCATION PRIOR TO ANY SIGNAL CABINET WORK. REFER TO SPECIAL PROVISION FOR PACE EQUIPMENT HANDLING.

- 1 EACH LAYER II SWITCH (PACE)
- 1 EACH ACCESS POINT EQUIPMENT (PACE)
- 1 EACH CELLULAR MODEM (PACE)
- 1 EACH PRIORITY REQUEST SERVER (PACE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	5	11	55
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	5	22	110
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	4	15	60
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	2	35	70
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	-
TOTAL SERVICE WIRE SIZING			1116

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	8
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	235
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH ACCESS	EACH	1

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
201 W. CENTER CT,  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 2007925000  
METER NUMBER:

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	30
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**TS 5495**  
**IDOT CENTRACS**  
**FORMER ECON 156**  
**PACE TSP**

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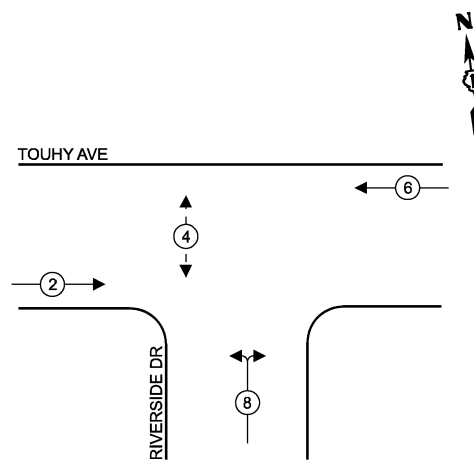


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DRAWN -	RG
CHECKED -	DW
DATE -	3/21/2026

DESIGNED -	ZH	REVISED -	
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SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

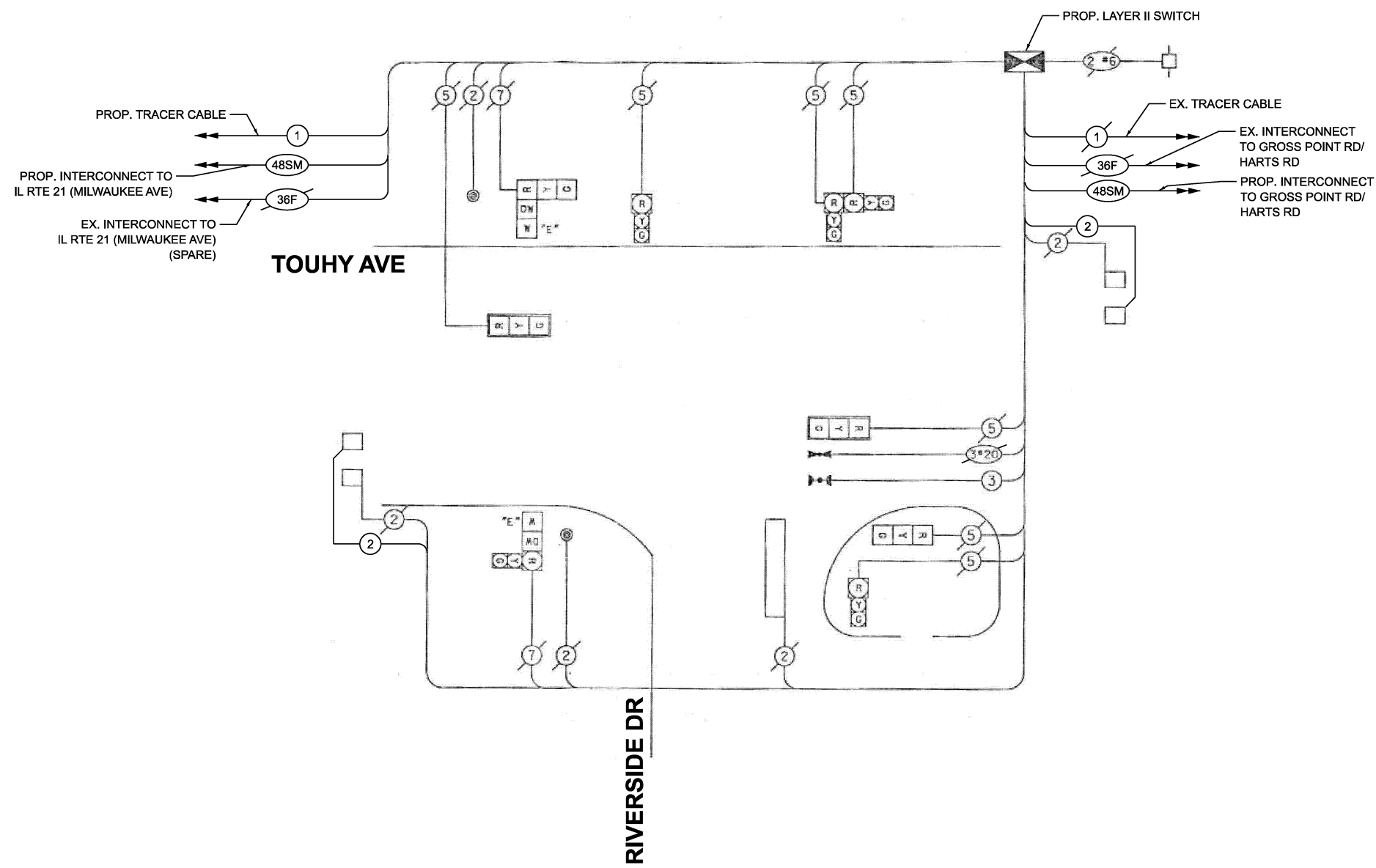
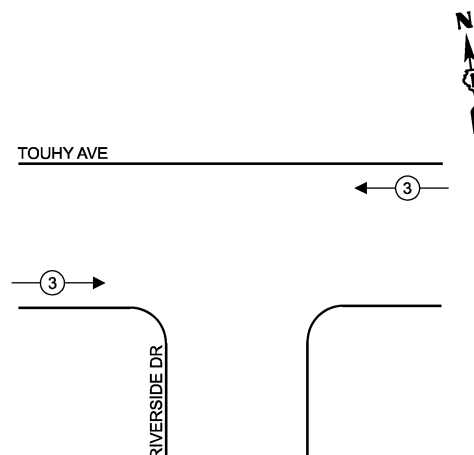
**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**LEGEND**

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

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	9	11	99
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	2	15	30
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			339
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			944

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
201 W. CENTER CT,  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 8880813333  
METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
NETWORK SWITCH ACCESS	EACH	1

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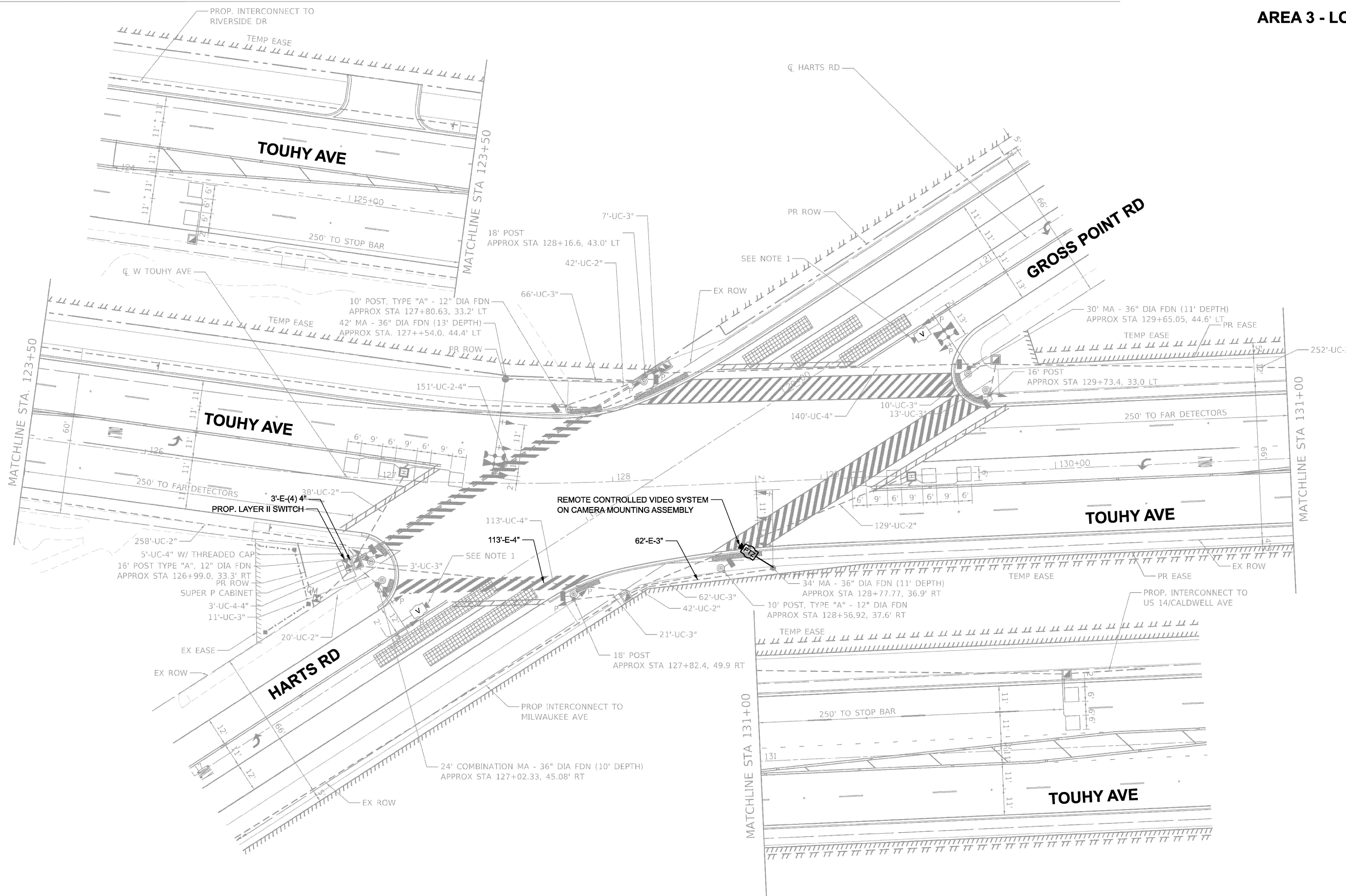
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY  
VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES  
TOUHY AVE AND RIVERSIDE DR**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2024-957-TS		COOK	92	31
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

**TS 5845  
IDOT CENTRACS  
FORMER ECON 156**



MODEL: TS 5260 Plan  
 FILE NAME: X:\Projects\2023\38219700\IDOT PFB 207-004 Var-TS\24009 CMAQ Int 1\CADD Data\Sheets\621W88-shr-ts-plan.dgn

**TS 5260**  
**IDOT CENTRACS**  
**FORMER ECON 156**



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

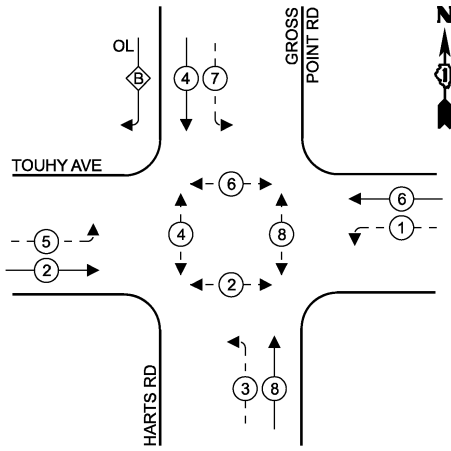
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN**  
**TOUHY AVE AND HARTS RD/GROSS POINT RD**

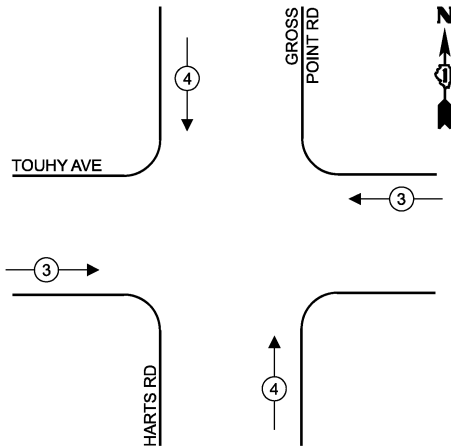
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	32
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



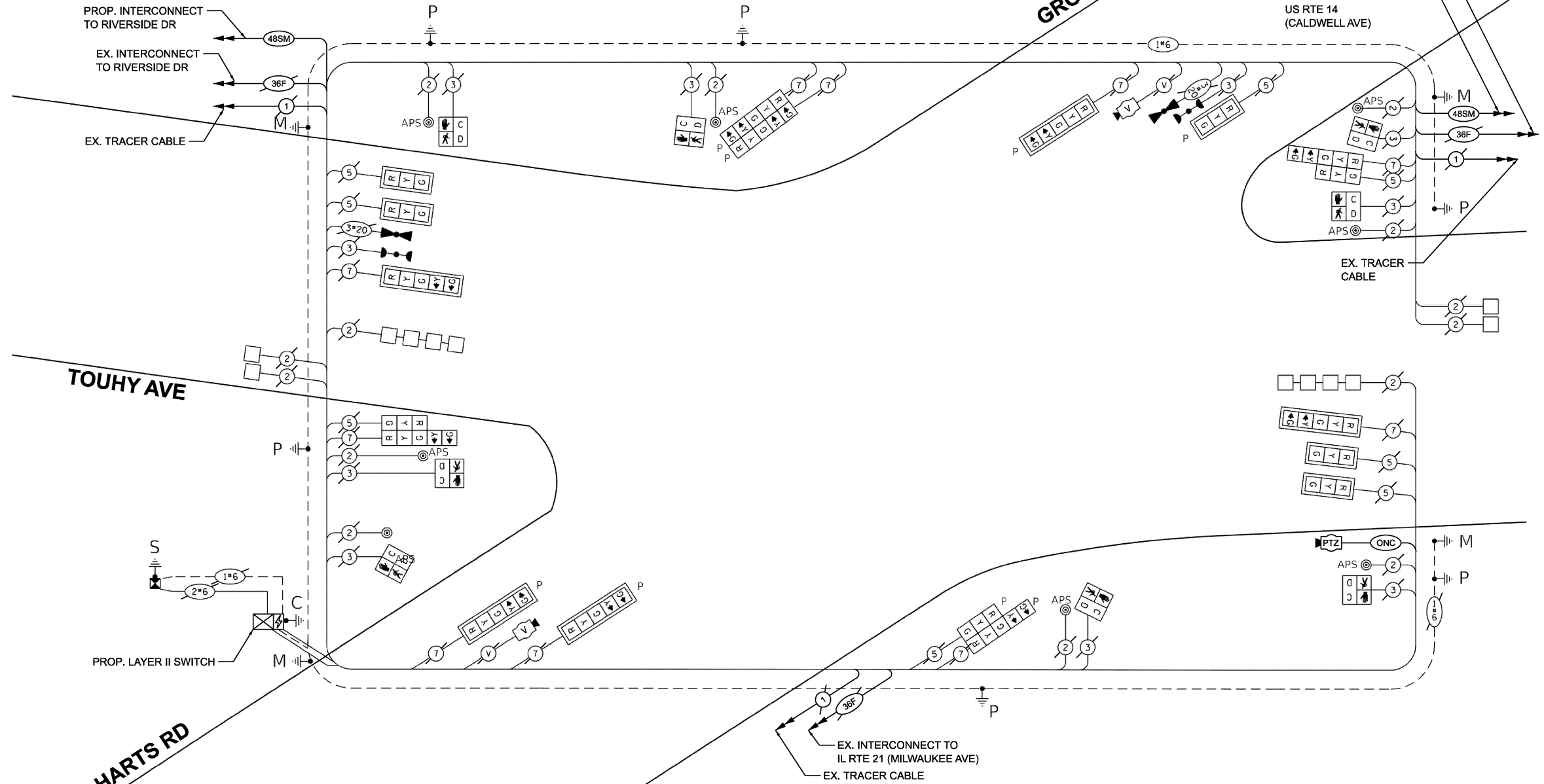
**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP PERMISSIVE PROTECTED  
LETTER PHASE PHASE  
B = 4 + 5

**LEGEND**

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

**AREA 3 - LOCATION 8**



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	3	11	33
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
PTZ CAMERA	1	75	75
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		568	
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		1173	

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
201 W. CENTER CT,  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 2007925000  
METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	245
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**TS 5260**  
**IDOT CENTRACS**  
**FORMER ECON 156**

MODEL: CAB-TS5260  
FILE NAME: X:\Projects\2024\23892\19700 IDOT P.T.B. 207-004 Var-TS24009 CMAQ Int-1\CADD Data\Sheets\ID-621W88-eh-ts-cable.dgn



USER NAME = dwtkorzak  
DESIGNED - ZH  
DRAWN - RG  
CHECKED - DW  
PLOT DATE = 3/21/2026

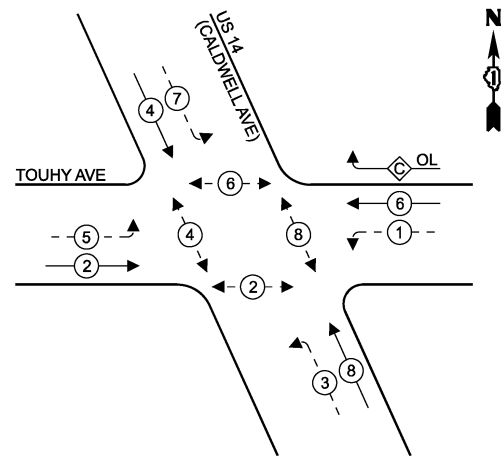
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REVISED -

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

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**TOUHY AVE AND HARTS RD/GROSS POINT RD**  
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	33
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



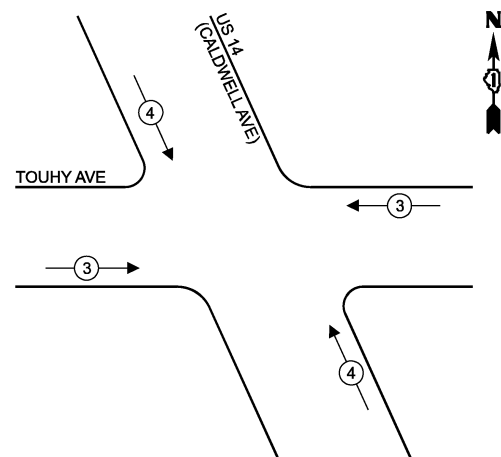
**LEGEND**

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

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP PERMISSIVE PROTECTED  
LETTER PHASE PHASE  
C = 6 + 7

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**NOTE**

THE TELEPHONE LINE AND SERVICE SHOULD BE REMOVED AND DISCONNECTED UPON PROJECT COMPLETION AND SIGNAL BEING ADDED TO CENTRACS.

**REMOVAL AND RELOCATION NOTES**

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

- 1 EACH CONTROLLER (ASC/2S-1000)
- 1 EACH TELEPHONE LINE
- 1 EACH MASTER CONTROLLER (ASC/2M-1000)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	7	11	77
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	-	100	-
DETECTION RADAR OR VIDEO	1	25	25
NETWORK SWITCH II OR III	-	20	-
CELLULAR MODEM	1	35	35
		15	-
TOTAL UPS SIZING			537
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			1142

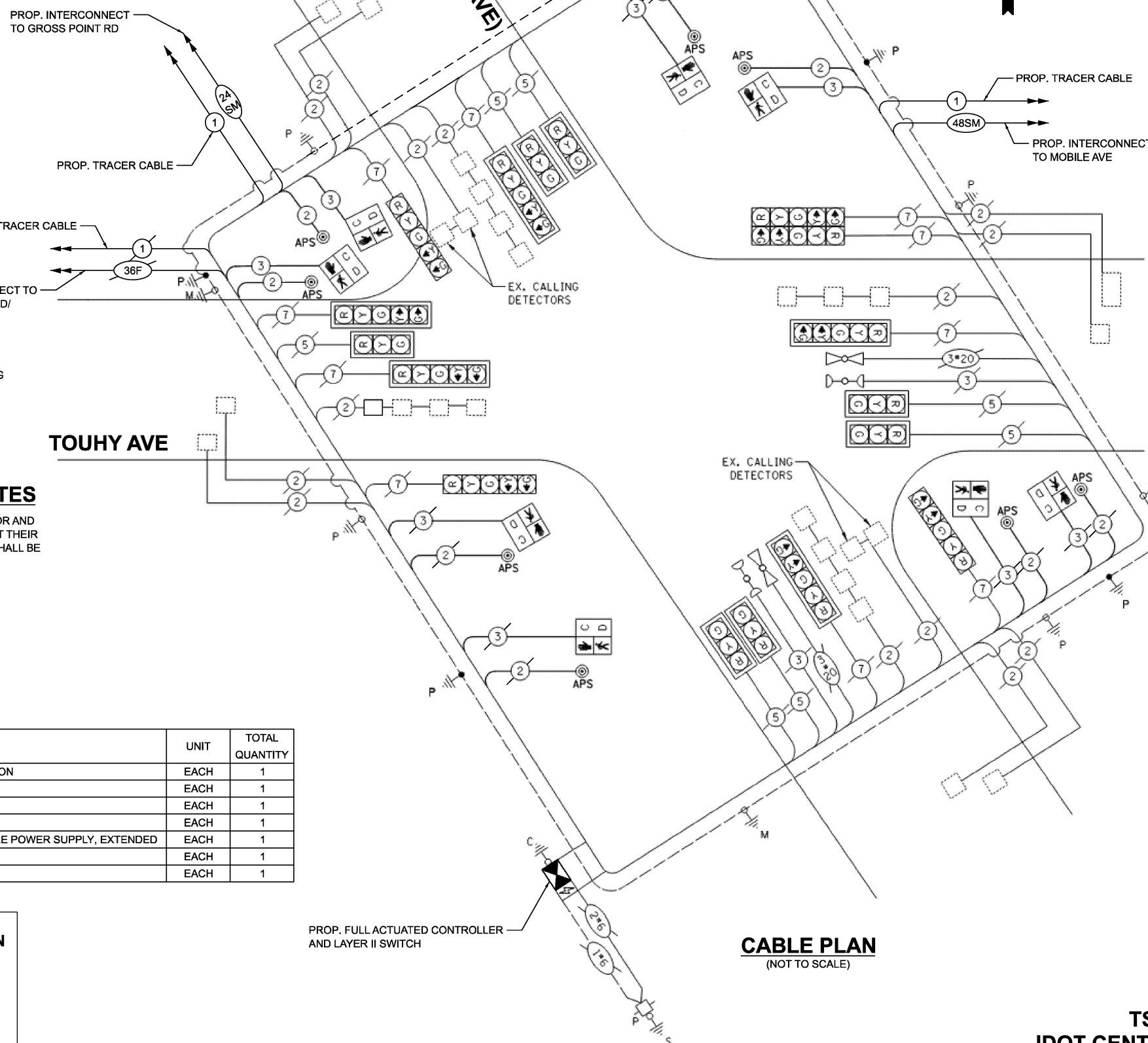
ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH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

**ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

**ENERGY SUPPLY:**

CONTACT: ERICKA IRBY  
PHONE: (779)-231-0633  
COMPANY: COMED MAYWOOD REGION, CDOT & IDOT  
ACCOUNT NUMBER: 2007925000  
METER NUMBER:



**CABLE PLAN**  
(NOT TO SCALE)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY  
VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES  
TOUHY AVE AND US RTE 14 (CALDWELL AVE)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	34
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

MODEL: CAB-TS1305  
FILE NAME: X:\projects\2024\23892\19700 IDOT PTFB 207-004 Var-TS1305.dwg  
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DESIGNED - ZH  
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CHECKED - DW  
PLOT DATE = 3/21/2026

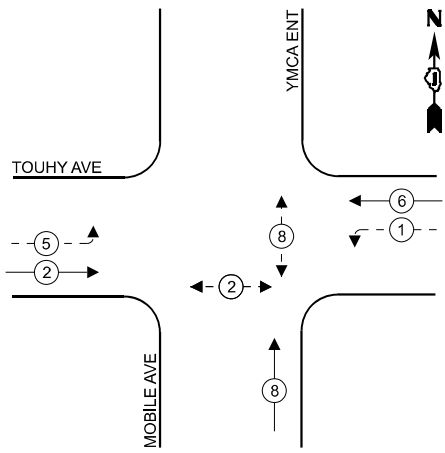
REVISIONS  
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REVISED -  
REVISED -  
REVISED -

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

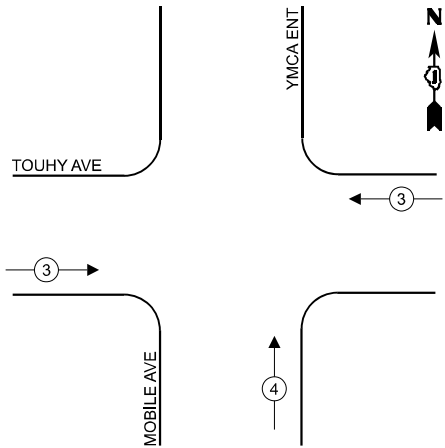
TS 1305  
IDOT CENTRACS  
FORMER ECON 156



**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND**

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

**REMOVAL AND RELOCATION NOTES**

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

- 1 EACH CABINET (TS1) AND CONTROLLER (ASC/2-1000) (COMPLETE)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET:

- 1 EACH LIGHT DETECTOR AMPLIFIER

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	5	11	55
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			377
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			982

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	7
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	745
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH ACCESS	EACH	1

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

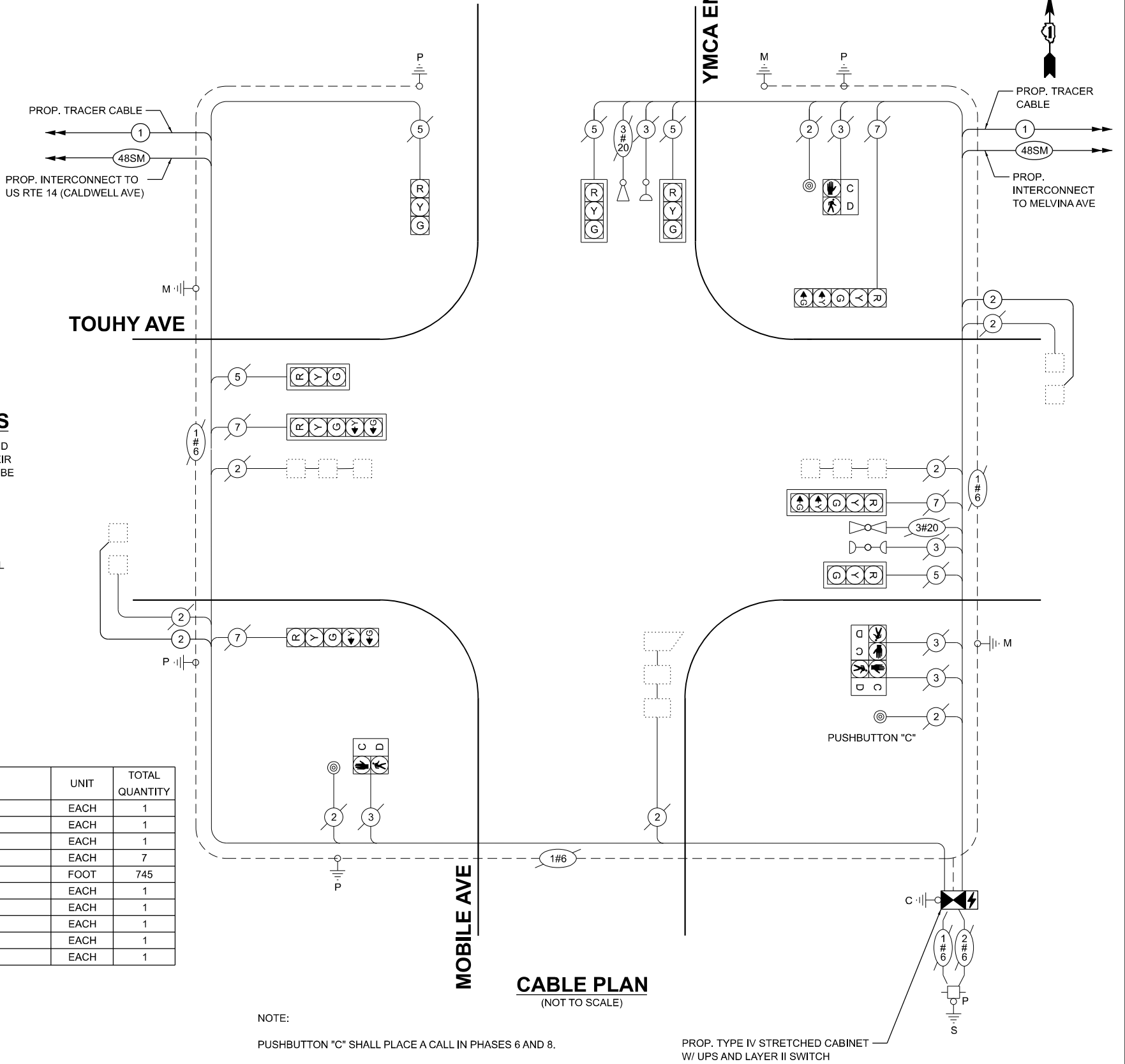
ENERGY SUPPLY:

CONTACT: ERICKA IRBY  
PHONE: (779)-231-0633

COMPANY: COMED MAYWOOD REGION, CDOT & IDOT

ACCOUNT NUMBER:

METER NUMBER:



**CABLE PLAN**  
(NOT TO SCALE)

NOTE:

PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.

PROP. TYPE IV STRETCHED CABINET W/ UPS AND LAYER II SWITCH

MODEL: CAB TS5840  
FILE NAME: X:\Projects\2024\23892\19700 IDOT PTB 2024\04 Var TS24009 CMAQ Int 1\CADD Data\Sheets\62W83-shh-cable.dgn



USER NAME =	dwtkorzak
DESIGNED -	ZH
DRAWN -	RG
CHECKED -	DW
PLOT DATE =	3/21/2026

DESIGNED -	ZH	REVISED -	
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DATE -		REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

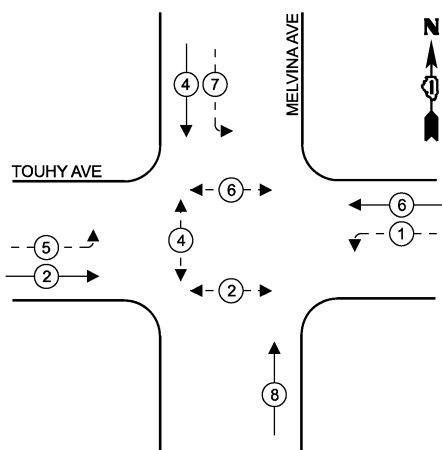
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY  
VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES  
TOUHY AVE AND MOBILE AVE/YMCA ENTRANCE**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

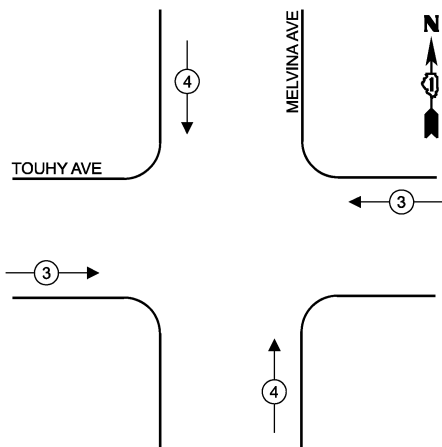
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	36
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

**TS 5840  
IDOT CENTRACS  
FORMER ECON 156**

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	10
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1095
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**LEGEND**

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

THE END OF THE TRACER CABLE SHALL BE TIED TO A CABLE HOOK IN THE DOUBLE HANDHOLE CLOSEST TO THE CONTROLLER FOUNDATION.

PROP. TRACER CABLE  
PROP. INTERCONNECT TO MOBILE AVE

TOUHY AVE

MELVINA AVE

PROP. TYPE IV STRETCHED CABINET W/UPS AND LAYER II SWITCH

THE END OF THE TRACER CABLE SHALL BE TIED TO A CABLE HOOK IN THE DOUBLE HANDHOLE CLOSEST TO THE CONTROLLER FOUNDATION.

PROP. TRACER CABLE  
48SM  
PROP. INTERCONNECT TO MEADE AVE

**REMOVAL AND RELOCATION NOTES**

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

- 1 EACH CONTROLLER (ASC/2) AND CABINET (TS1) (COMPLETE)
- 1 EACH UNINTERRUPTIBLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET:

- 1 EACH LIGHT DETECTOR AMPLIFIER

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

ENERGY SUPPLY:

CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 8880813333  
METER NUMBER:

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	X	11	X
4-SECTION	-	14	-
5-SECTION	X	13	X
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	X	15	X
MASTER CONTROLLER	X	150	X
UPS	X	25	X
DETECTION RADAR OR VIDEO	X	20	X
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			X
UPS CHARGING	X	225	X
BATTERY HEATER MAT	X	180	X
CABINET HEATER	X	200	X
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			X

**CABLE PLAN**  
(NOT TO SCALE)

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

MODEL: CAB-TS5843  
FILE NAME: X:\projects\2024\23892\19700 IDOT PTB 207-004 Var-TS24009 CMAQ Int-1\CADD Data\Sheets\6221W8-shfts-cable.dgn



USER NAME = dwklorzak  
DESIGNED - ZH  
DRAWN - RG  
CHECKED - DW  
PLOT DATE = 3/21/2026

REVISIONS:  
REVISED -  
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REVISED -  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

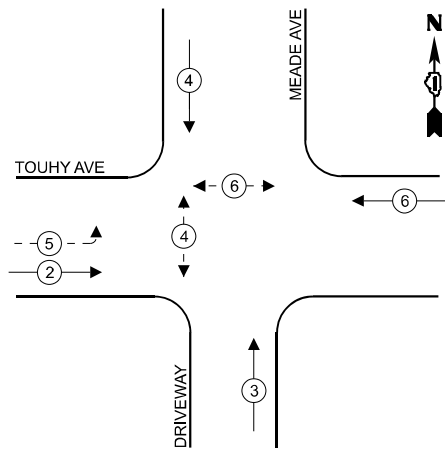
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES  
TOUHY AVE AND MELVINA AVE

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

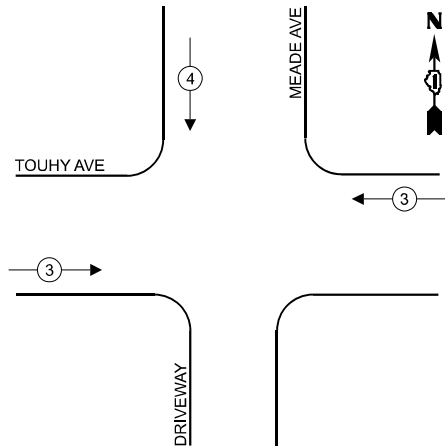
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	37
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**TS 5843**  
**IDOT CENTRACS**  
**FORMER ECON 156**

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND**

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

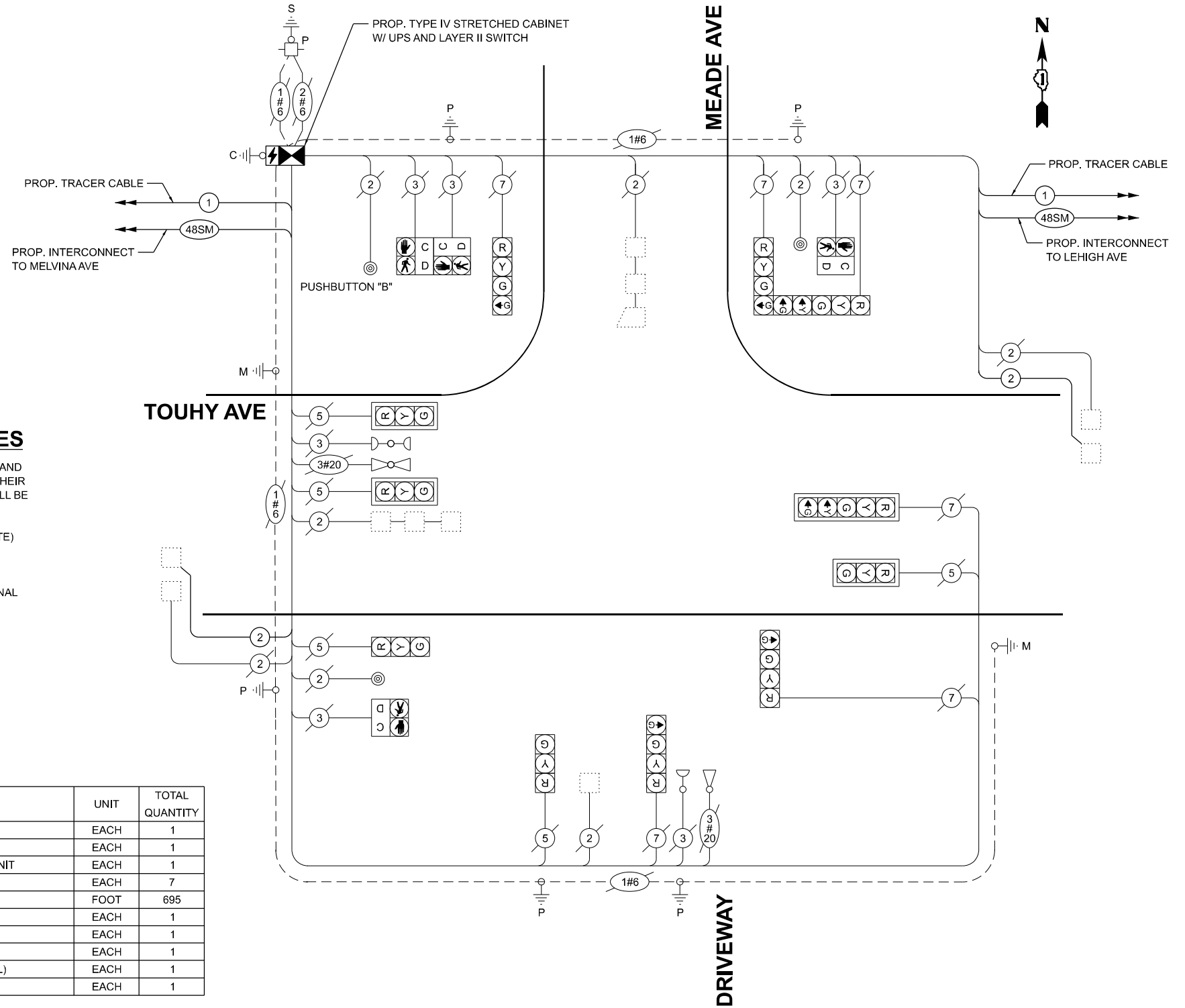
**REMOVAL AND RELOCATION NOTES**

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

- 1 EACH CABINET (TS1) AND CONTROLLER (ASC/2-2100) (COMPLETE)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET:

- 1 EACH LIGHT DETECTOR AMPLIFIER



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	5	11	55
4-SECTION	4	14	56
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	4	15	60
MASTER CONTROLLER	1	150	150
UPS	-	100	-
DETECTION RADAR OR VIDEO	1	25	25
BLANK-OUT SIGN	-	20	-
NETWORK SWITCH II OR III	1	25	25
CELLULAR MODEM	1	35	35
	-	15	-
TOTAL UPS SIZING			407
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			1012

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	7
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	695
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH ACCESS	EACH	1

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
201 W. CENTER CT,  
SCHAUMBURG, IL 60196

ENERGY SUPPLY:  
CONTACT: ERICKA IRBY  
PHONE: (779)-231-0633  
COMPANY: COMED MAYWOOD REGION, CDOT & IDOT

ACCOUNT NUMBER:  
METER NUMBER:

MODEL: CAB TS5841  
FILE NAME: X:\Projects\2024\23892\19700 IDOT PTB 207-004 Var TS24009 CMAQ Int 1\CADD Data\Sheets\ID 621W83-shh-cable.dgn



USER NAME = dwiktorzak  
DESIGNED - ZH  
DRAWN - RG  
CHECKED - DW  
PLOT DATE = 3/21/2026

REVISIONS:  
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
TOUHY AVE AND MEADE AVE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	38
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

**TS 5841  
IDOT CENTRACS  
FORMER ECON 156**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

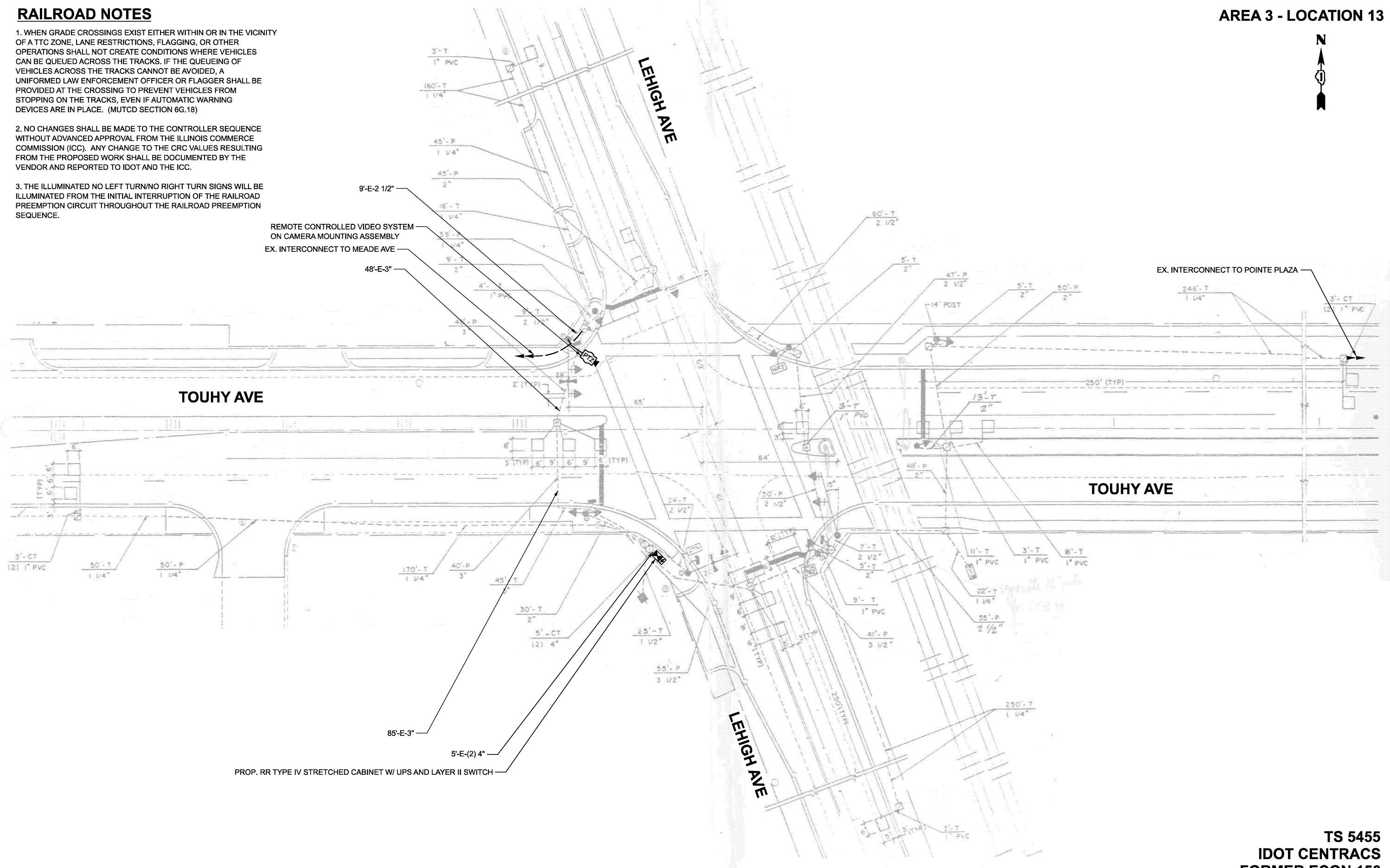
**RAILROAD NOTES**

1. WHEN GRADE CROSSINGS EXIST EITHER WITHIN OR IN THE VICINITY OF A TTC ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT CREATE CONDITIONS WHERE VEHICLES CAN BE QUEUED ACROSS THE TRACKS. IF THE QUEUEING OF VEHICLES ACROSS THE TRACKS CANNOT BE AVOIDED, A UNIFORMED LAW ENFORCEMENT OFFICER OR FLAGGER SHALL BE PROVIDED AT THE CROSSING TO PREVENT VEHICLES FROM STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE. (MUTCD SECTION 6G.18)

2. NO CHANGES SHALL BE MADE TO THE CONTROLLER SEQUENCE WITHOUT ADVANCED APPROVAL FROM THE ILLINOIS COMMERCE COMMISSION (ICC). ANY CHANGE TO THE CRC VALUES RESULTING FROM THE PROPOSED WORK SHALL BE DOCUMENTED BY THE VENDOR AND REPORTED TO IDOT AND THE ICC.

3. THE ILLUMINATED NO LEFT TURN/NO RIGHT TURN SIGNS WILL BE ILLUMINATED FROM THE INITIAL INTERRUPTION OF THE RAILROAD PREEMPTION CIRCUIT THROUGHOUT THE RAILROAD PREEMPTION SEQUENCE.

**AREA 3 - LOCATION 13**



MODEL: TS 5455 Plan  
 FILE NAME: X:\projects\2023\38219700 IDOT PTB 207-004 Var TS\24009 CMAQ Int 1\CADD Data\Sheets\62W83-shfts-plan.dgn

**TS 5455  
IDOT CENTRACS  
FORMER ECON 156**



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN  
TOUHY AVE AND LEHIGH AVE**

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	39
			CONTRACT NO. 62W83	
ILLINOIS FED. AID PROJECT				



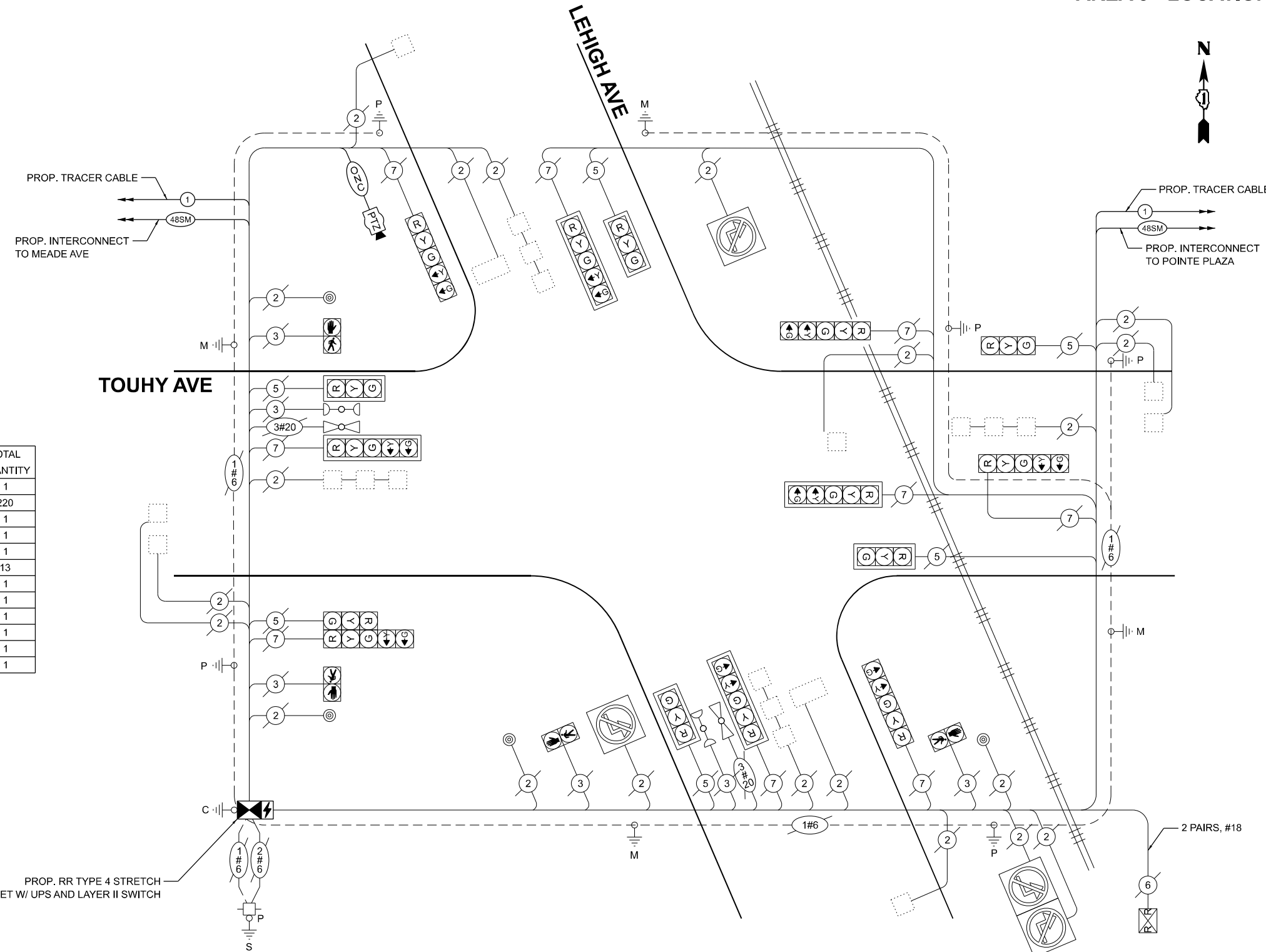
**REMOVAL AND RELOCATION NOTES**

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

- 1 EACH CABINET (TS2) AND CONTROLLER (ASC/2S-1000) (COMPLETE)
- 1 EACH UNINTERRUPTIBLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET:

- 1 EACH LIGHT DETECTOR AMPLIFIER



ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	220
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	13
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE IV STRETCH CABINET (SPECIAL)	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
	-	14	-
	9	13	117
PROGRAMMABLE	-	22	-
	-	32	-
	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	4	15	60
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
	4	25	100
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
PTZ	1	75	75
TOTAL UPS SIZING			628
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			1233

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
 201 W. CENTER CT,  
 SCHAUMBURG, IL 60196  
 ENERGY SUPPLY:  
 CONTACT: AXL DAVIS  
 PHONE: (773)-231-2969  
 COMPANY: COMED SKOKIE REGION  
 ACCOUNT NUMBER: 2007925000  
 METER NUMBER:

**CABLE PLAN**  
(NOT TO SCALE)

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

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**TOUHY AVE AND LEHIGH AVE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	40
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**TS 5455**  
**IDOT CENTRACS**  
**FORMER ECON 156**

MODEL: CAB-TS5455.dgn FILE NAME: X:\Projects\2023\23892\19700 IDOT PTB 207-004 Var-TS24009 CMAQ Int-1\CADD Data\SheetID:62W83-sh14-cable.dgn



USER NAME =	dwtorczak
DESIGNED -	ZH
DRAWN -	RG
CHECKED -	DW
DATE -	3/21/2026

DESIGNED -	ZH	REVISED -	
DRAWN -	RG	REVISED -	
CHECKED -	DW	REVISED -	
DATE -		REVISED -	

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

**SEQUENCE OF OPERATION**

MOVEMENT																											F L A S H																		
	1+5								1+6				2+5			2+6					3+7			3+8				4+7				4+8													
PHASE	1	2	3A	3B	3C	4A	4B	4C	5	6A	6B	6C	7	8	9	10	11	12A	12B	12C	12D	13	14	15	16	17	18A	18B	19	20	21	22A	22B	23	24	25	26A	26B							
INTERVAL																																													
CHANGE TO		1+6	2+5				2+6					2+6				θ	θ	2+6				3+7,3+8, 4+7,4+8						3+8		4+7	1+5 1+6 2+5 2+6 4+8	1+5,1+6 2+5,2+6			4+8	θ	θ	1+5,2+5, 1+6,2+6				4+8	1+5,1+6, 2+5,2+6		
TOUHY AVE END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
TOUHY AVE NEAR RIGHT AND FAR RIGHT SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
TOUHY AVE EAST OF TRACKS NEAR RIGHT SIGNAL	W/B	R	R	R	R	R	R	R	G	G	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
TOUHY AVE EAST OF TRACKS NEAR LEFT SIGNAL	W/B	R	R	R	R	R	R	R	G	G	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
TOUHY AVE WEST OF TRACKS END MAST ARM AND FAR LEFT SIGNALS	W/B	R	R	R	R	R	R	R	G	G	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
TOUHY AVE WEST OF TRACKS FAR RIGHT SIGNAL	W/B	R	R	R	R	R	R	R	G	G	G	G	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
LEHIGH AVE END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	R	R	R	R	R	R	R	R	G	G	Y	R		
LEHIGH AVE FAR RIGHT SIGNAL	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	R	R	R	R	R	R	R	R	G	G	Y	R		
LEHIGH AVE END MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	G	Y	R	G	G	Y	R		
LEHIGH AVE FAR RIGHT SIGNAL	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	G	Y	R	G	G	Y	R		
PEDESTRIAN SIGNALS CROSSING LEHIGH AVE ON SOUTH SIDE OF TOUHY AVE		H	H	H	H	H	H	H	H	H	H	H	P	FH	H	P	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DARK	
PEDESTRIAN SIGNALS CROSSING TOUHY AVE ON WEST SIDE OF LEHIGH AVE		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	P	FH	H	H	H	P	FH	H	H	P	FH	H	H	DARK	

PHASES 2+6 SHALL BE PLACED ON RECALL  
 \* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION  
 \*\*FLASHING HAND IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE

θ THE WALK OR FLASHING DON'T WALK INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT  
 IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE WALK OR FLASHING DON'T WALK INTERVALS

WALK AND FLASHING DON'T WALK TIMINGS TO BE SET ONLY ON PHASES WHERE WALK AND FLASHING DON'T WALK ARE  
 INDICATED IN THE SEQUENCE OF OPERATION

P = ILLUMINATED PERSON = WALK  
 FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK  
 H = ILLUMINATED SOLID HAND = DON'T WALK

Revised: 3/27/2026 AR  
 TS 5455

MODEL: Schematic  
 FILE NAME: X:\Projects\2023\382\19700\IDOT\PTB\_207-004\_Ver-TS\24009\_CMAQ\_Int\1CADD\_Data\Sheets\1621\63-shfts-sequences.dgn

USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SEQUENCE OF OPERATIONS TOUHY AVE AND LEHIGH AVE</b>		F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - RG	REVISED -				VAR	2024-957-TS	COOK	93	41
	CHECKED - DW	REVISED -				CONTRACT NO. 62W83				
PLOT DATE = 5/5/2026	DATE -	REVISED -		SCALE:	SHEET 3	OF 5	SHEETS	STA.	TO STA.	ILLINOIS

**EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION**

																									PREEMPTER NUMBER 3	PREEMPTER NUMBER 4																								
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1			5			5			7		7		10	10				13	17		17	20			20		24			24																			
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	1HH	1JJ	1KK	2	3	CLEAR TO NORMAL SEQUENCE													
CHANGE TO EMERGENCY VEHICLE PREEMPTION OF OPERATION INTERVAL NUMBER	1B	1C	2 OR 3	1E	1F	2	1H	1J	1K	3	1M	2	1P	1Q	3	2	1T	1U	1V	1W	3	2 OR 3	1Z	2	3	1CC	1DD	2	1FF	3	1HH	1JJ	2	3			<>													
TOUHY AVE END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>												
TOUHY AVE NEAR RIGHT AND FAR RIGHT SIGNALS	E/B	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>											
TOUHY AVE EAST OF TRACKS NEAR RIGHT SIGNAL	W/B	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>										
TOUHY AVE EAST OF TRACKS NEAR LEFT SIGNAL	W/B	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>									
TOUHY AVE WEST OF TRACKS END MAST ARM AND FAR LEFT SIGNALS	W/B	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>								
TOUHY AVE WEST OF TRACKS FAR RIGHT SIGNAL	W/B	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	<>							
LEHIGH AVE END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	G	<>			
LEHIGH AVE FAR RIGHT SIGNAL	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	R	G	<>
LEHIGH AVE END MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	G	Y	R	G	R	G	R	G	R	G	R	G	R	G	<>				
LEHIGH AVE FAR RIGHT SIGNAL	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	G	Y	R	G	R	G	R	G	R	G	R	G	R	G	<>				
PEDESTRIAN SIGNALS CROSSING LEHIGH AVE ON SOUTH SIDE OF TOUHY AVE	H	H	H	H	H	H	H	H	H	H	FH	H	FH	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	<>		
PEDESTRIAN SIGNALS CROSSING TOUHY AVE ON WEST SIDE OF LEHIGH AVE	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	FH	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	<>			

<> EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION AND PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE 2 OR 3 IS TERMINATED.

Revised: 3/27/2026 AR  
TS 5455

MODEL: EYP\_Seq\_of\_Op  
FILE NAME: X:\Projects\2023\3892\19700 IDOT PTB 207-004 Var-TS\24009 CMAQ Int 1\CADD Data\Sheets\62W83-ehits-sequences.dgn

USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 5/5/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATIONS  
TOUHY AVE AND LEHIGH**

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	93	42
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**RAILROAD PREEMPTION SEQUENCE OF OPERATION**

	PREEMPTER NUMBER 3																PREEMPTER NUMBER 4		PREEMPTER NUMBER 2						
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5	7	10	13	17	20	24																	
CHANGE FROM EMERGENCY VEHICLE PREEMPTION OF OPERATION INTERVAL NUMBER																	2	3							
RAILROAD PREEMPTION INTERVAL	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	2	3	4	CLEAR TO NORMAL SEQUENCE			
CHANGE TO RAILROAD PREEMPTION SEQUENCE INTERVAL NUMBER	2	1C	2	1E	2	1G	2	2	1K	2	1M	2	1P	2	1R	2	1T	2	3	4					
TOUHY AVE END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	Y	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Δ			
TOUHY AVE NEAR RIGHT AND FAR RIGHT SIGNALS	E/B	R	R	R	Y	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Δ			
TOUHY AVE EAST OF TRACKS NEAR RIGHT SIGNAL	W/B	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Δ			
TOUHY AVE EAST OF TRACKS NEAR LEFT SIGNAL	W/B	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Δ			
TOUHY AVE WEST OF TRACKS END MAST ARM AND FAR LEFT SIGNALS	W/B	R	G	G	R	R	G	G	R	R	R	R	R	R	R	G	G	R	R	G	Y	R	Δ		
TOUHY AVE WEST OF TRACKS FAR RIGHT SIGNAL	W/B	R	G	G	R	R	G	G	R	R	R	R	R	R	R	G	G	R	R	G	Y	R	Δ		
LEHIGH AVE END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	Y	R	R	R	R	Y	R	R	R	Y	R	R	R	Δ			
LEHIGH AVE FAR RIGHT SIGNAL	N/B	R	R	R	R	R	R	R	Y	R	R	R	R	Y	R	R	R	Y	R	R	R	Δ			
LEHIGH AVE END MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	R	R	R	R	R	Y	R	R	R	R	Y	R	R	R	Y	R	R	R	Δ			
LEHIGH AVE FAR RIGHT SIGNAL	S/B	R	R	R	R	R	R	R	Y	R	R	R	R	Y	R	R	R	Y	R	R	R	Δ			
PEDESTRIAN SIGNALS CROSSING LEHIGH AVE ON SOUTH SIDE OF TOUHY AVE		H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	Δ			
PEDESTRIAN SIGNALS CROSSING TOUHY AVE ON WEST SIDE OF LEHIGH AVE		H	H	H	H	H	H	H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	Δ			
LEHIGH AVE ILLUMINATED NRT SIGN	N/B	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	Δ			
LEHIGH AVE ILLUMINATED NLT SIGN	S/B	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	Δ			

Revised: 3/27/2026 AR

Δ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION AFTER RAILROAD PREEMPTION INTERVAL 4 IS TERMINATED.

TS 5455

MODEL: RP\_Seq\_of\_Op  
FILE NAME: X:\Projects\2023\2382\19700 IDOT PTB 207-004 Var-TS24009 c:\mag int 1\CADD Data\Sheets\1621\63-ehits-sequences.dgn

USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 5/5/2026	DATE -	REVISED -

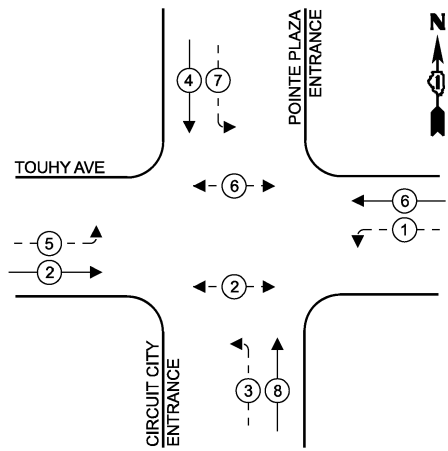
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAILROAD PREEMPTION SEQUENCE OF OPERATIONS  
TOUHY AVE AND LEHIGH AVE**

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	93	43
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

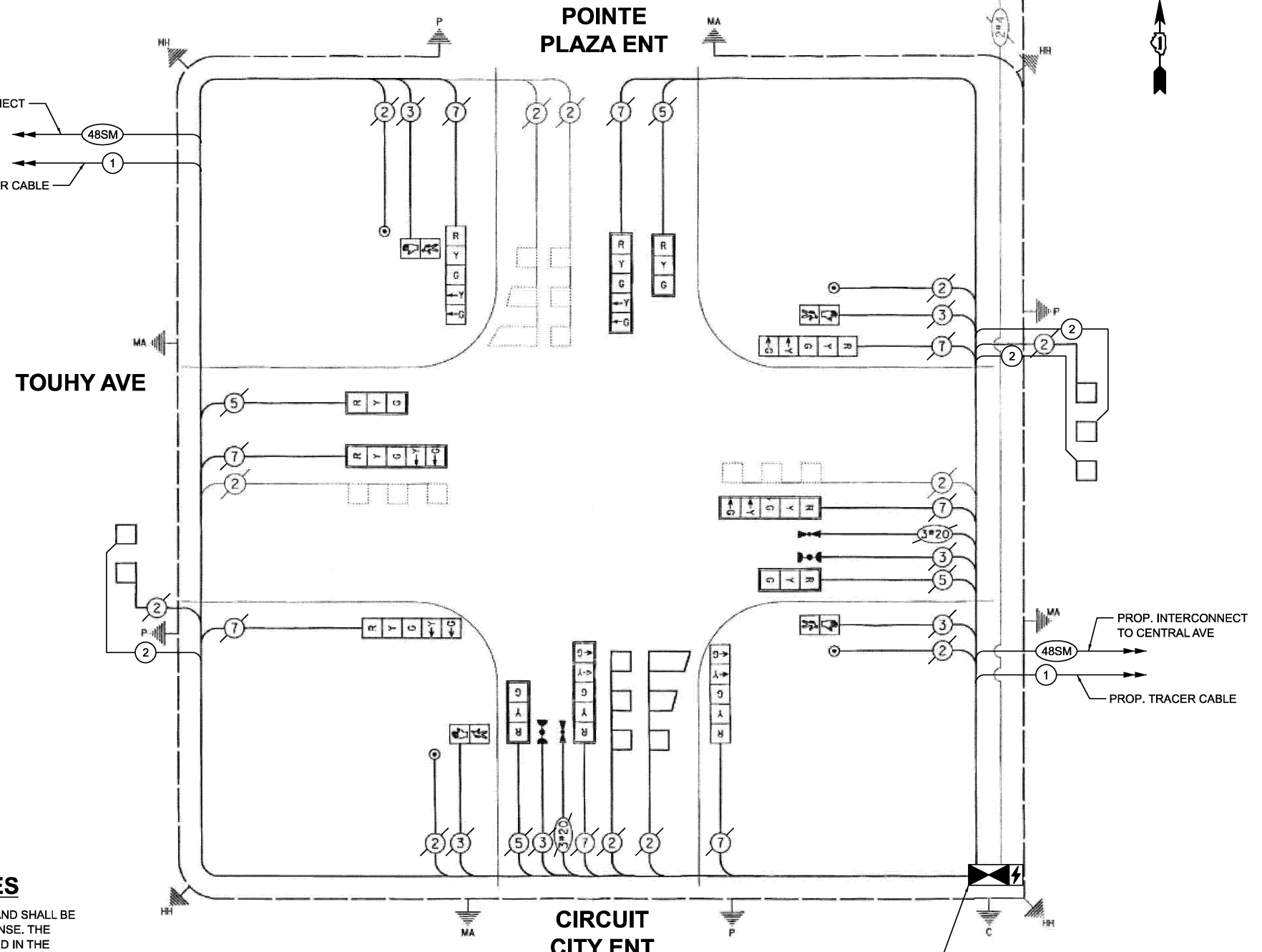
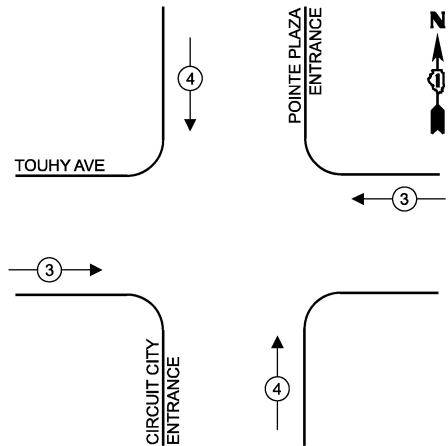
**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**LEGEND**

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

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**REMOVAL AND RELOCATION NOTES**

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

- 1 EACH CONTROLLER (ASC/2S-1000)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	4	15	60
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			418
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			1023

**ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 8880813333  
METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	3
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	920
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
NETWORK SWITCH ACCESS	EACH	1

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
TOUHY AVE AND POINTE PLAZA ENT

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	44
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

**TS 11161**  
**IDOT CENTRACS**  
**FORMER ECON 156**

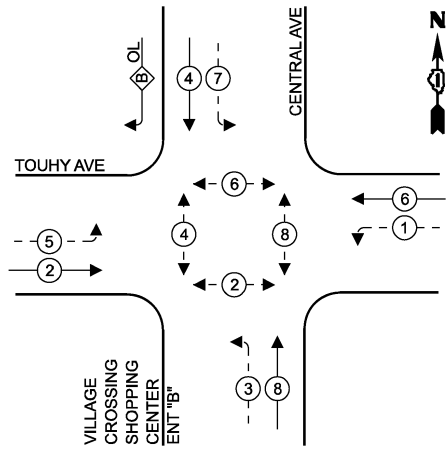
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USER NAME = dwtkorzak  
DESIGNED - ZH  
DRAWN - RG  
CHECKED - DW  
PLOT DATE = 3/21/2026

REVISIONS:  
REVISED -  
REVISED -  
REVISED -  
REVISED -

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



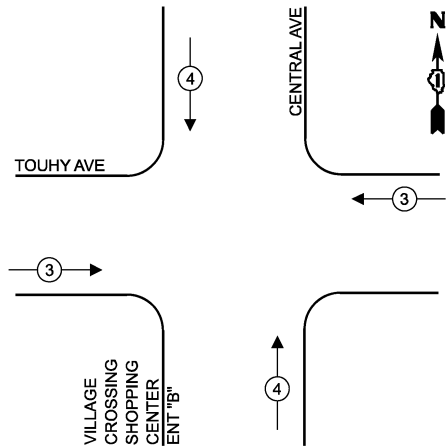
**LEGEND**

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

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	4	5

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**REMOVAL AND RELOCATION NOTES**

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

- 1 EACH CONTROLLER (ASC/2S-1000)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	3	11	33
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			493
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			1098

**ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION**

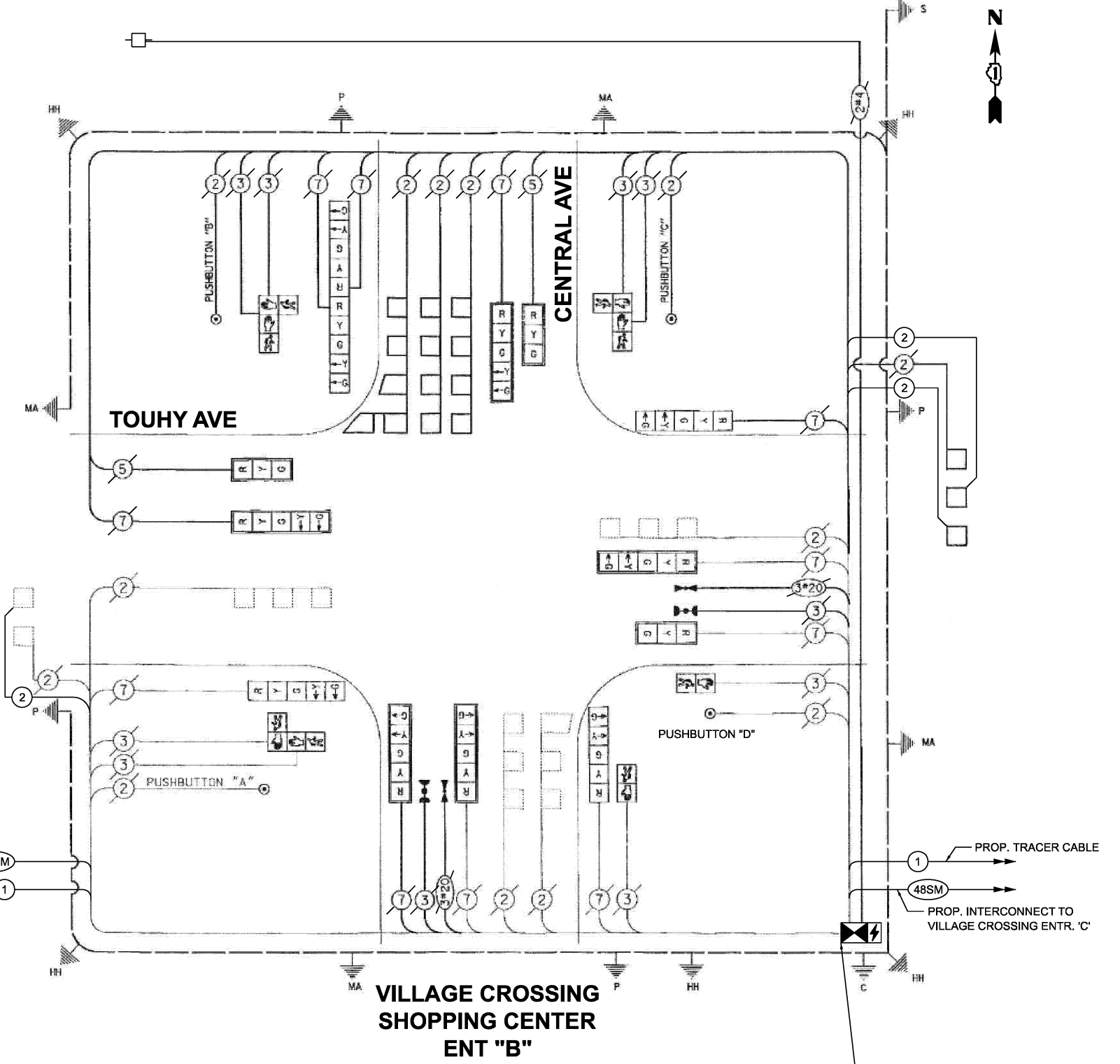
201 W. CENTER CT, SCHAUMBURG, IL 60196

ENERGY SUPPLY:  
 CONTACT: AXL DAVIS  
 PHONE: (773)-231-2969  
 COMPANY: COMED SKOKIE REGION  
 ACCOUNT NUMBER: 8880813333  
 METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	3
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1245
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	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 8 AND 2



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DRAWN -	RG
CHECKED -	DW
PLOT DATE =	3/21/2026

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DATE -		REVISED -	

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

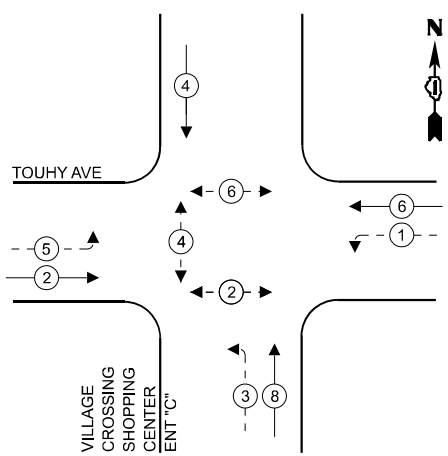
<b>CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES</b>			
<b>TOUHY AVE AND CENTRAL AVE/VILLAGE CROSSING ENT "B"</b>			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	45
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**TS 11250 IDOT CENTRACS FORMER ECON 156**



**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**LEGEND**

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

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	10
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	725
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	5	11	55
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			433
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			1038

**REMOVAL AND RELOCATION NOTES**

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

- 1 EACH UNINTERRUPTABLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY.

- 1 EACH TYPE IV CABINET (TS2)
- 1 EACH CONTROLLER (M60)

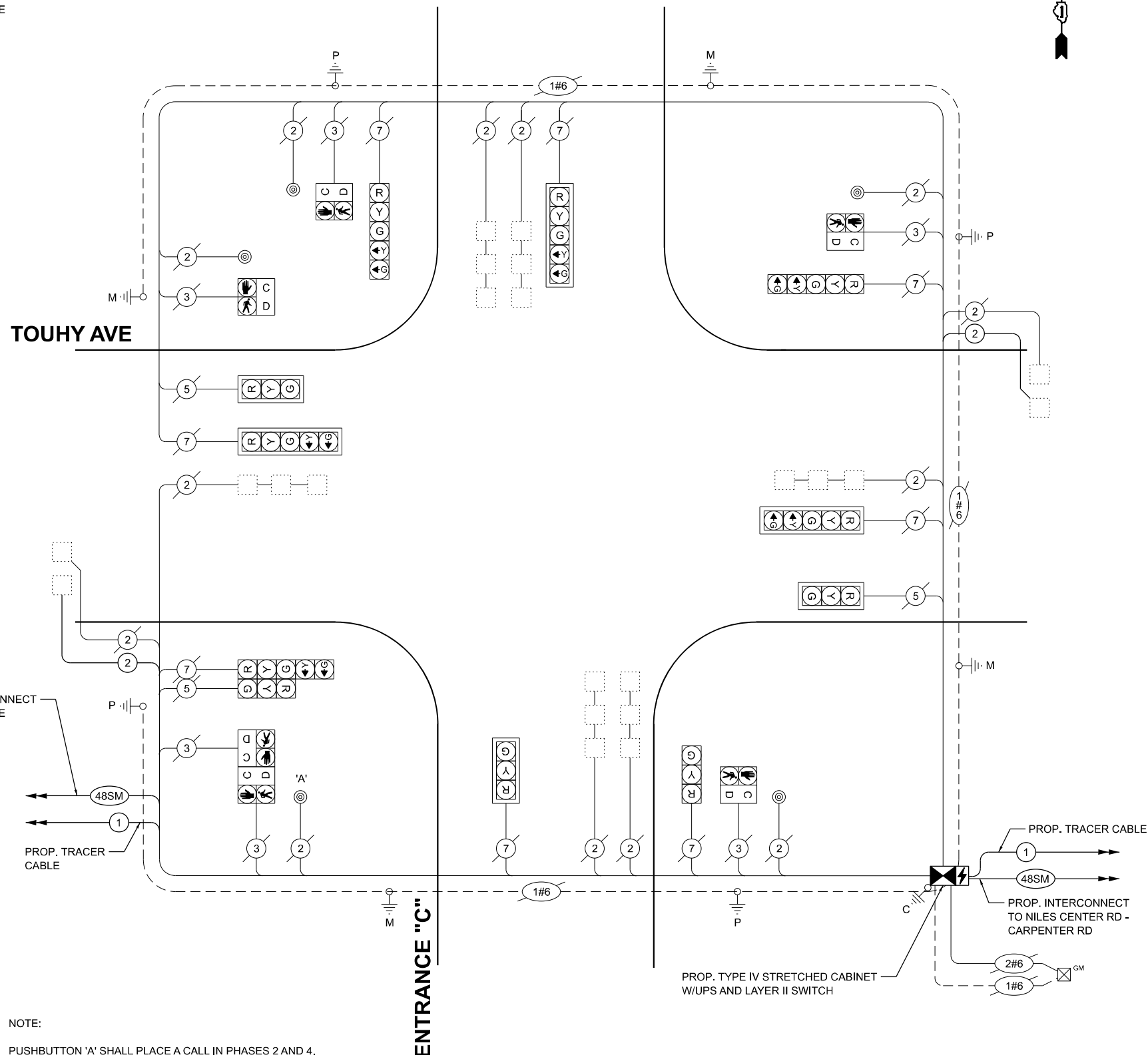
**ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

**ENERGY SUPPLY:**

CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION

ACCOUNT NUMBER:  
METER NUMBER:



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

**CABLE PLAN**  
(NOT TO SCALE)

**TS 20935**  
**IDOT CENTRACS**  
**FORMER EAGLE 4D**

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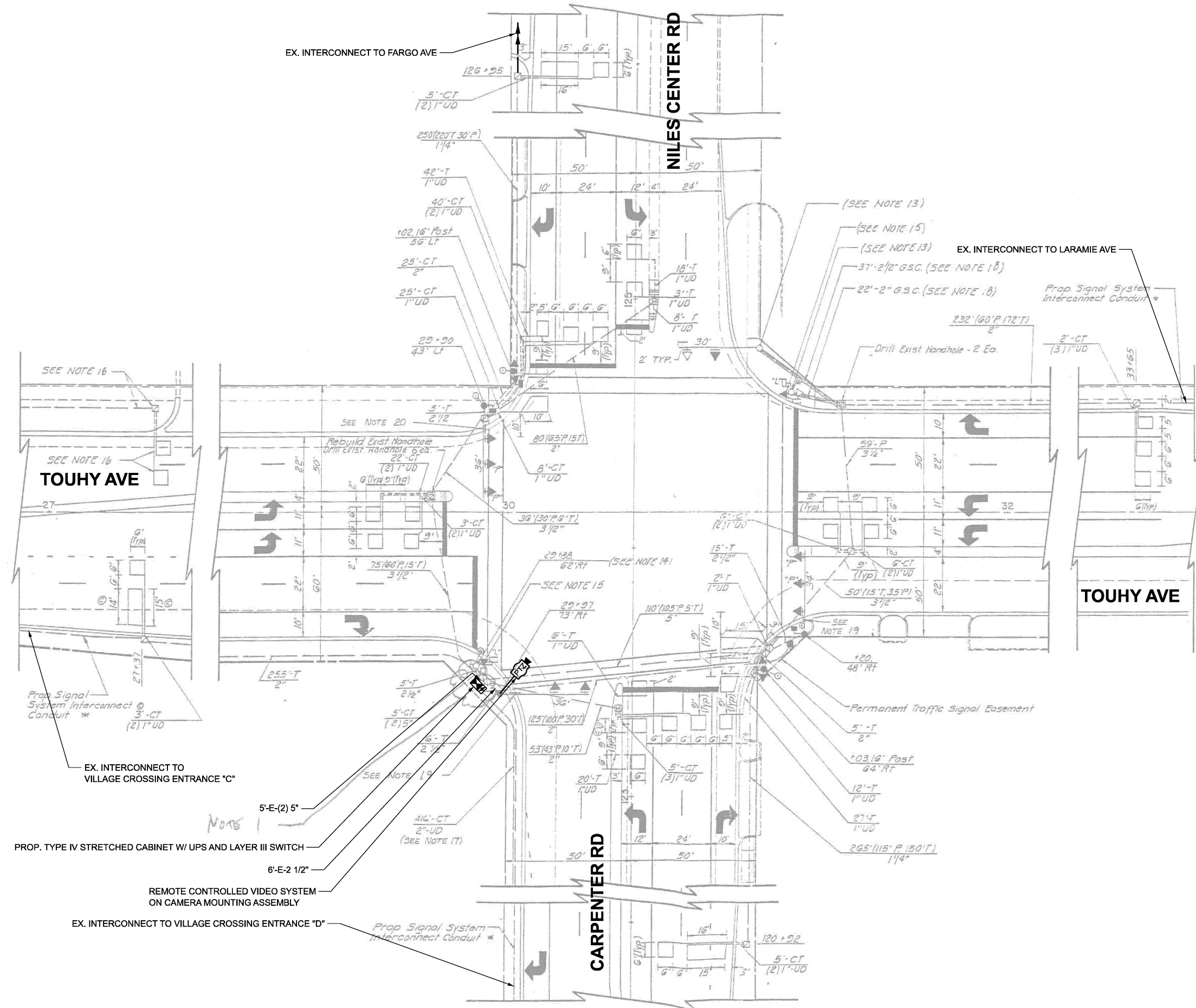
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**TOUHY AVE AND VILLAGE CROSSING ENT "C"**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	46
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.



TOUHY AVE

TOUHY AVE

NILES CENTER RD

CARPENTER RD

- EX. INTERCONNECT TO VILLAGE CROSSING ENTRANCE "C"
- PROP. TYPE IV STRETCHED CABINET W/ UPS AND LAYER III SWITCH
- 6'-E-2 1/2"
- REMOTE CONTROLLED VIDEO SYSTEM ON CAMERA MOUNTING ASSEMBLY
- EX. INTERCONNECT TO VILLAGE CROSSING ENTRANCE "D"

NOTE 1

MODEL: TS 14835 Plan  
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		CHECKED -	DW	REVISED -	
PLOT DATE =	3/21/2026	DATE -		REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN  
TOUHY AVE AND NILES CENTER RD/CARPENTER RD

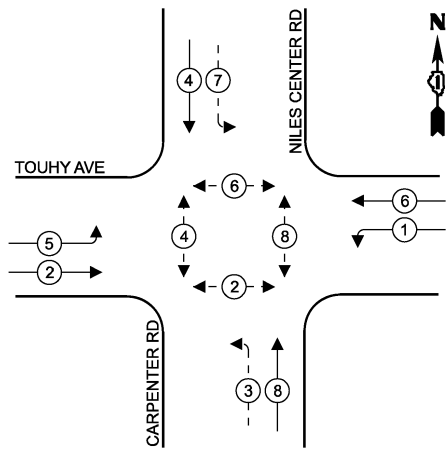
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	47
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

TS 14835  
IDOT CENTRACS  
FORMER EAGLE 4D



**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**LEGEND**

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

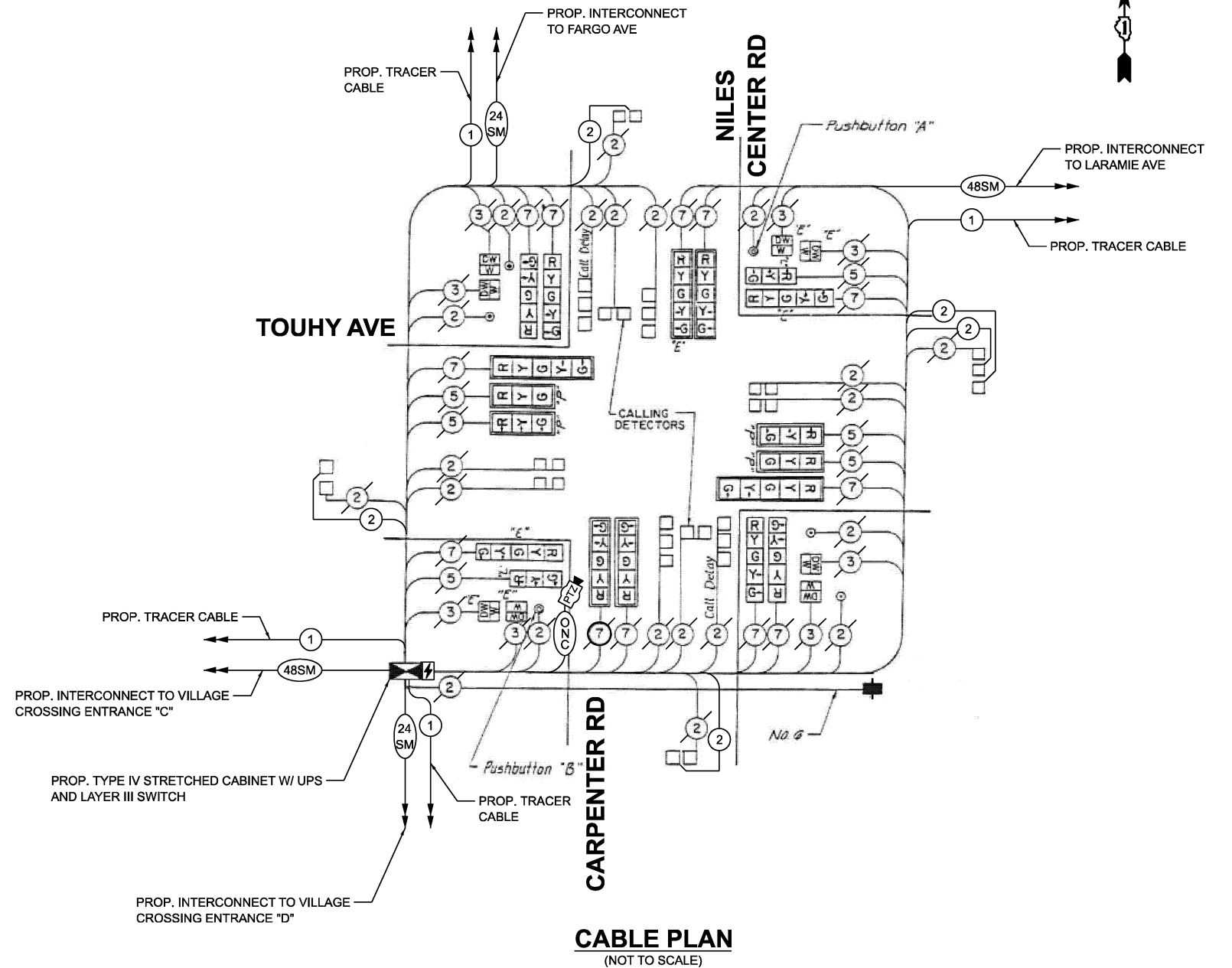
**REMOVAL AND RELOCATION NOTES**

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

- 1 EACH UNINTERRUPTIBLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY.

- 1 EACH TYPE V CABINET (TS2)
- 1 EACH CONTROLLER (M50)
- 1 EACH MASTER CONTROLLER (M60)
- 1 EACH CELLULAR MODEM



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
PTZ	1	75	75
TOTAL UPS SIZING			627
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			1232

**ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 8332677000  
METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	70
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	19
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTIBLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH DISTRIBUTION	EACH	1

**TS 14835**  
**IDOT CENTRACS**  
**FORMER EAGLE 4D**

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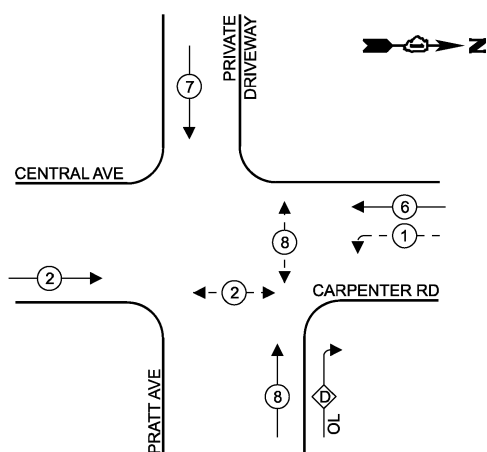
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**TOUHY AVE AND NILES CENTER RD/CARPENTER RD**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	48
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



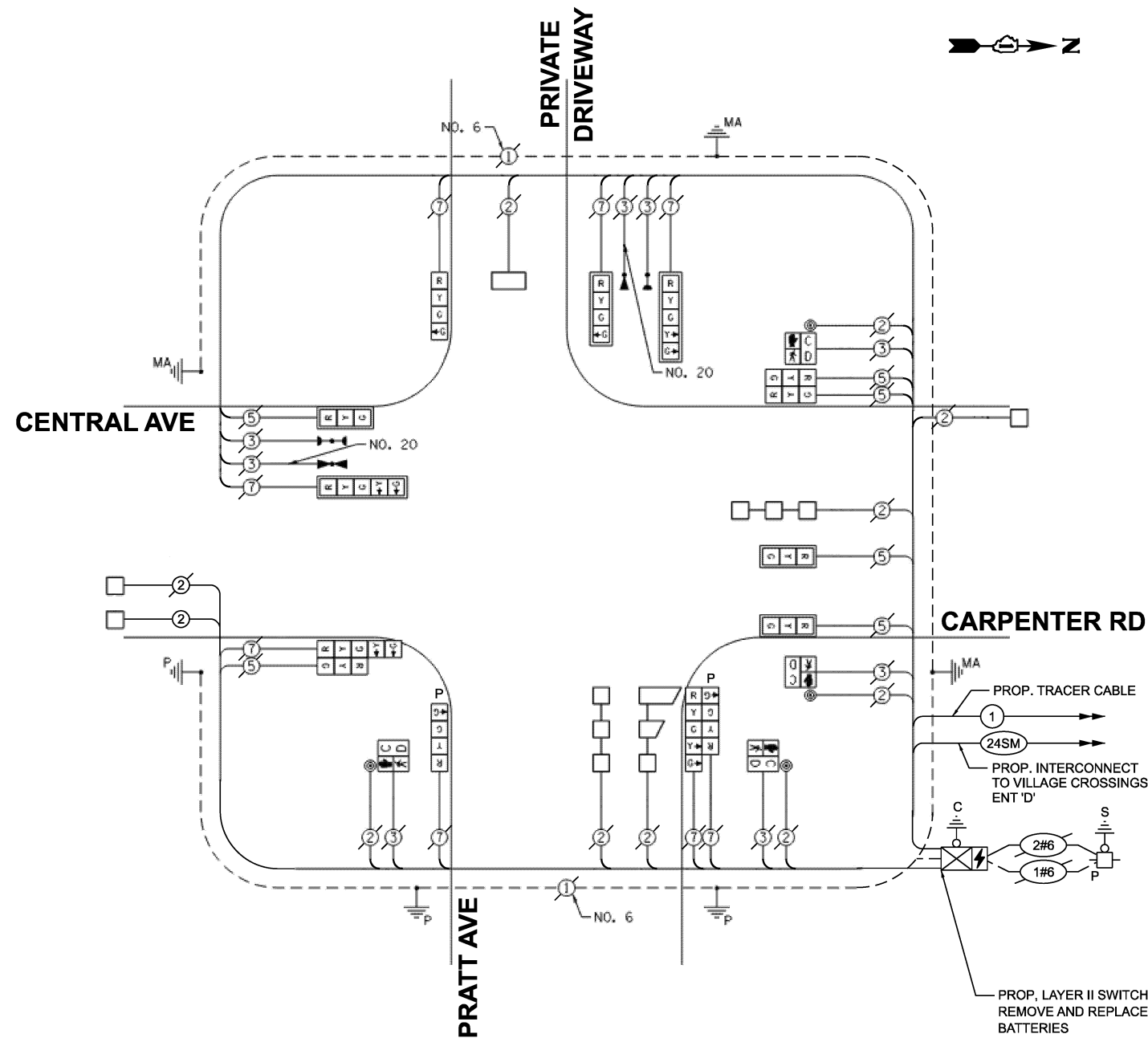
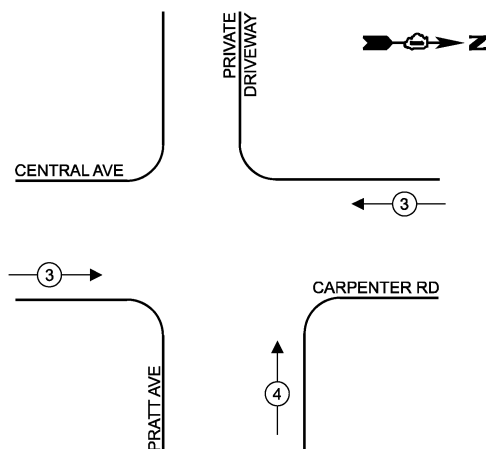
**LEGEND**

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

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER PERMISSIVE PHASE PROTECTED PHASE  
 D = 8 + 1

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	2	14	28
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	2	32	64
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	4	15	60
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			480
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			1085

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
 SCHAUMBURG, IL 60196

ENERGY SUPPLY:  
 CONTACT: AXL DAVIS  
 PHONE: (773)-231-2969  
 COMPANY: COMED SKOKIE REGION  
 ACCOUNT NUMBER: 6311361222  
 METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	315
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**TS 4755**  
**IDOT CENTRACS**  
**SUBSYSTEM**

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DRAWN -	RG
CHECKED -	DW
PLOT DATE =	3/21/2026

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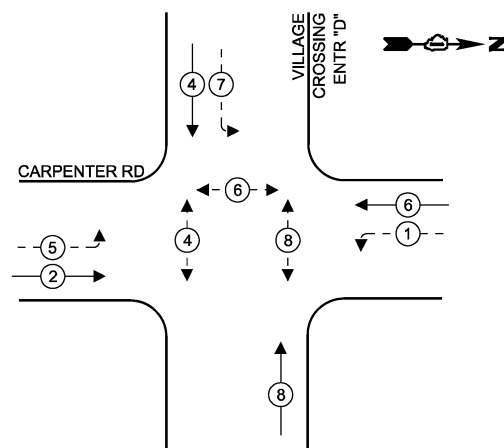
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**CENTRAL AVE/CARPENTER RD AND PRATT AVE**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	49
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**PROPOSED CONTROLLER SEQUENCE**



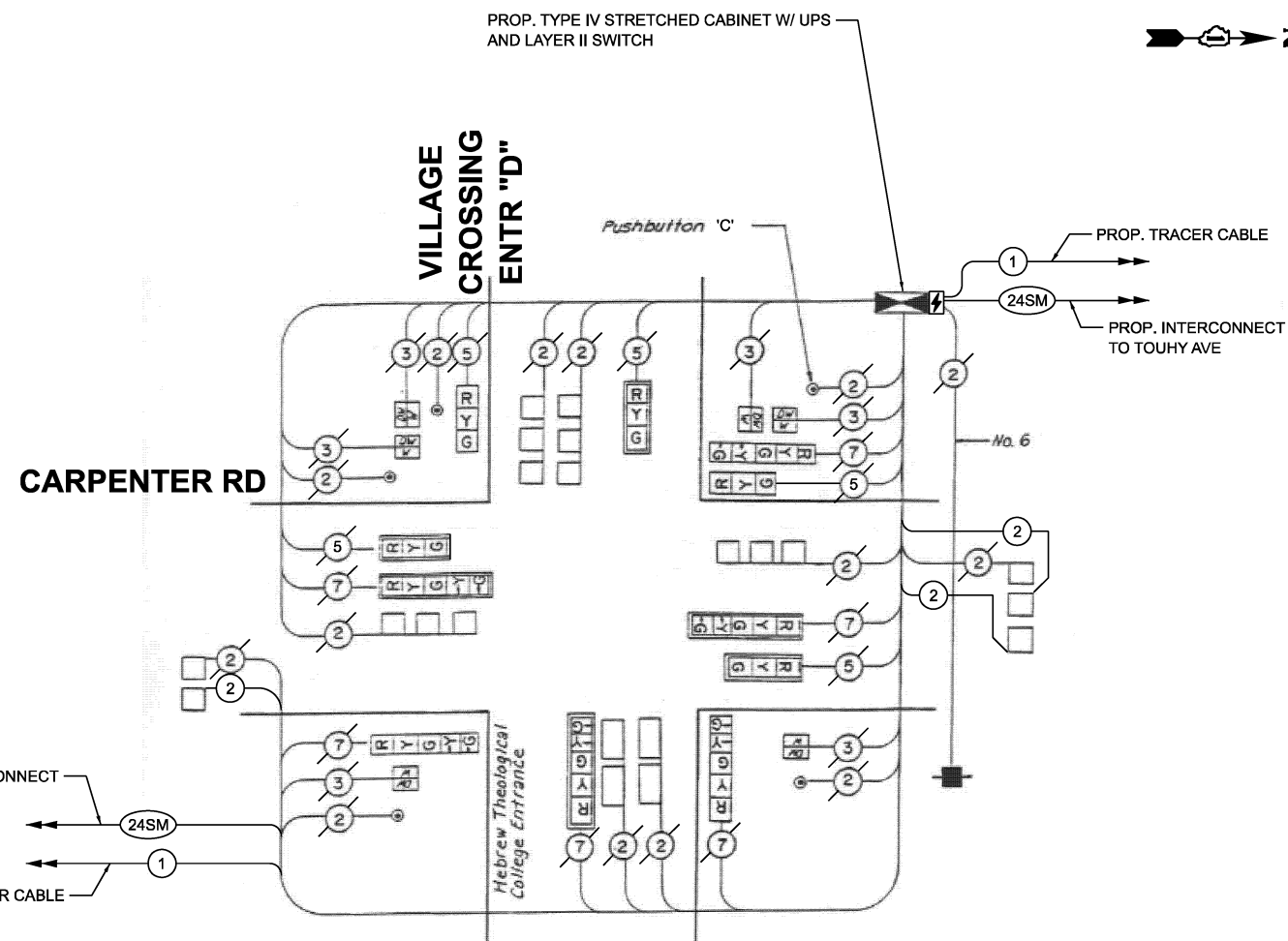
**LEGEND**

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

**REMOVAL AND RELOCATION NOTES**

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

- 1 EACH CABINET (TS1) AND CONTROLLER (M40) (COMPLETE)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY



**CABLE PLAN**  
(NOT TO SCALE)

NOTE:  
PUSHBUTTON 'C' SHALL PLACE A CALL IN PHASES 6 AND 8.

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	5	11	55
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			433
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			1038

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION

ACCOUNT NUMBER:  
METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	11
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1090
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**TS 20355**  
**IDOT CENTRACS**  
**FORMER EAGLE 4D**

MODEL: CAB-TS20355  
FILE NAME: X:\Projects\2024\20355\IDOT\_PTB\_207-004\_Ver-TS24009\_CMAQ\_Int-1\CADD\Draws\Sheets\1621\17B-ehits-cable.dgn



USER NAME =	dwklorzak
DESIGNED -	ZH
DRAWN -	RG
CHECKED -	DW
PLOT DATE =	3/21/2026

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DRAWN -	RG	REVISED -	
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DATE -		REVISED -	

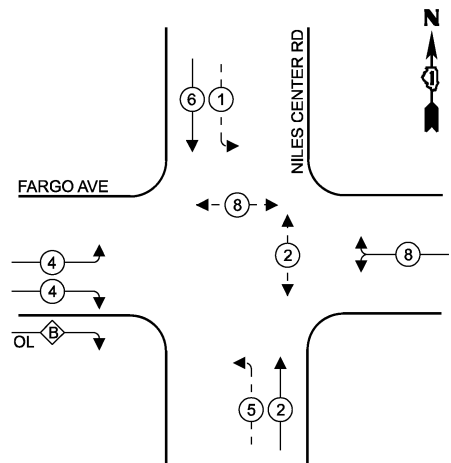
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY**  
**VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**CARPENTER RD AND VILLAGE CROSSING ENT "D"**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	50
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W83	

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



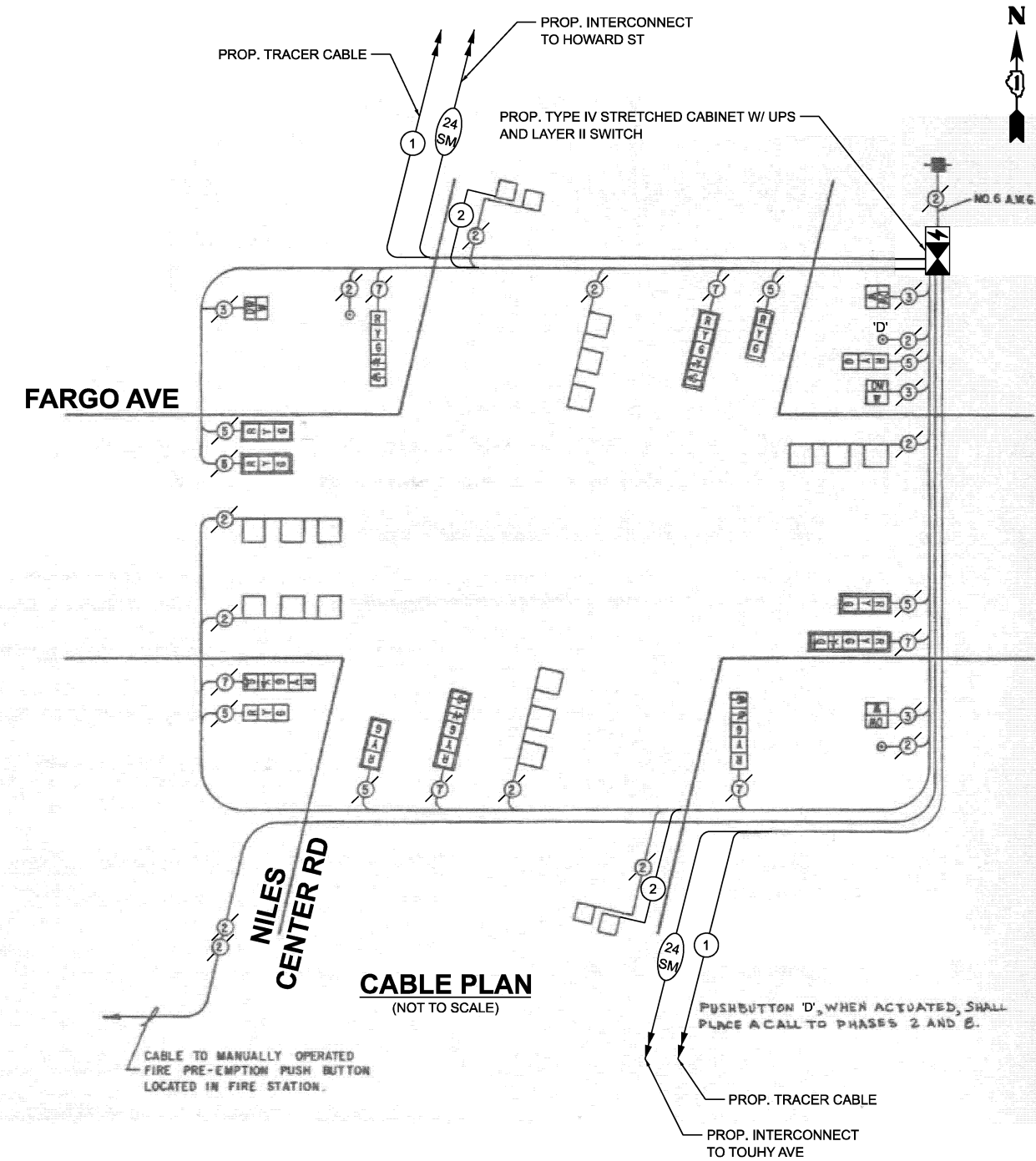
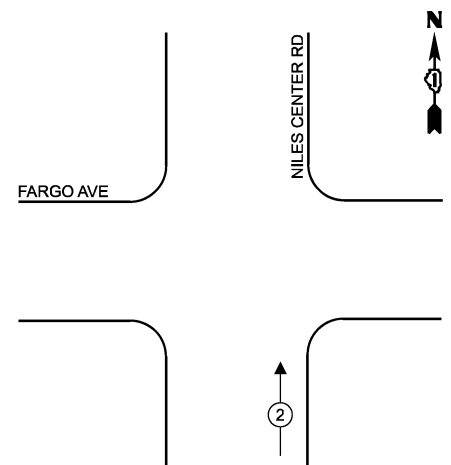
**LEGEND**

- ←\*← PROTECTED PHASE
- ←\* SINGLE ENTRY PHASE
- ←\*← PROTECTED/PERMITTED PHASE
- ←\*→ PEDESTRIAN PHASE
- ←\*← OL OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	7	11	77
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	3	15	45
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			410
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			1015

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
201 W. CENTER CT,  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 8332677000  
METER NUMBER:

**REMOVAL AND RELOCATION NOTES**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT UNIT BID PRICE.  
1 EACH CABINET (TS1) AND CONTROLLER (M40) (COMPLETE)  
1 EACH UNINTERRUPTABLE POWER SUPPLY

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	9
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	760
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**TS 1574**  
**IDOT CENTRACS**  
**FORMER EAGLE 4D**

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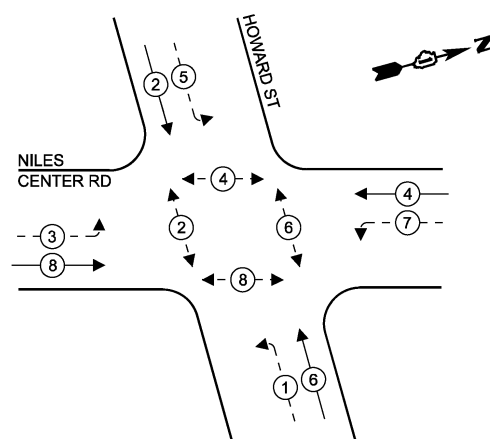
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

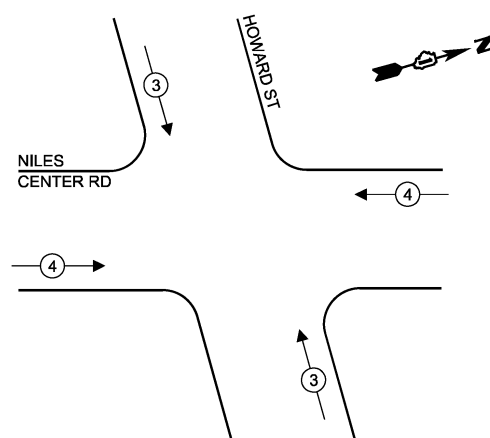
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**NILES CENTER RD AND FARGO AVE**  
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	51
			CONTRACT NO. 62W83	
ILLINOIS FED. AID PROJECT				

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



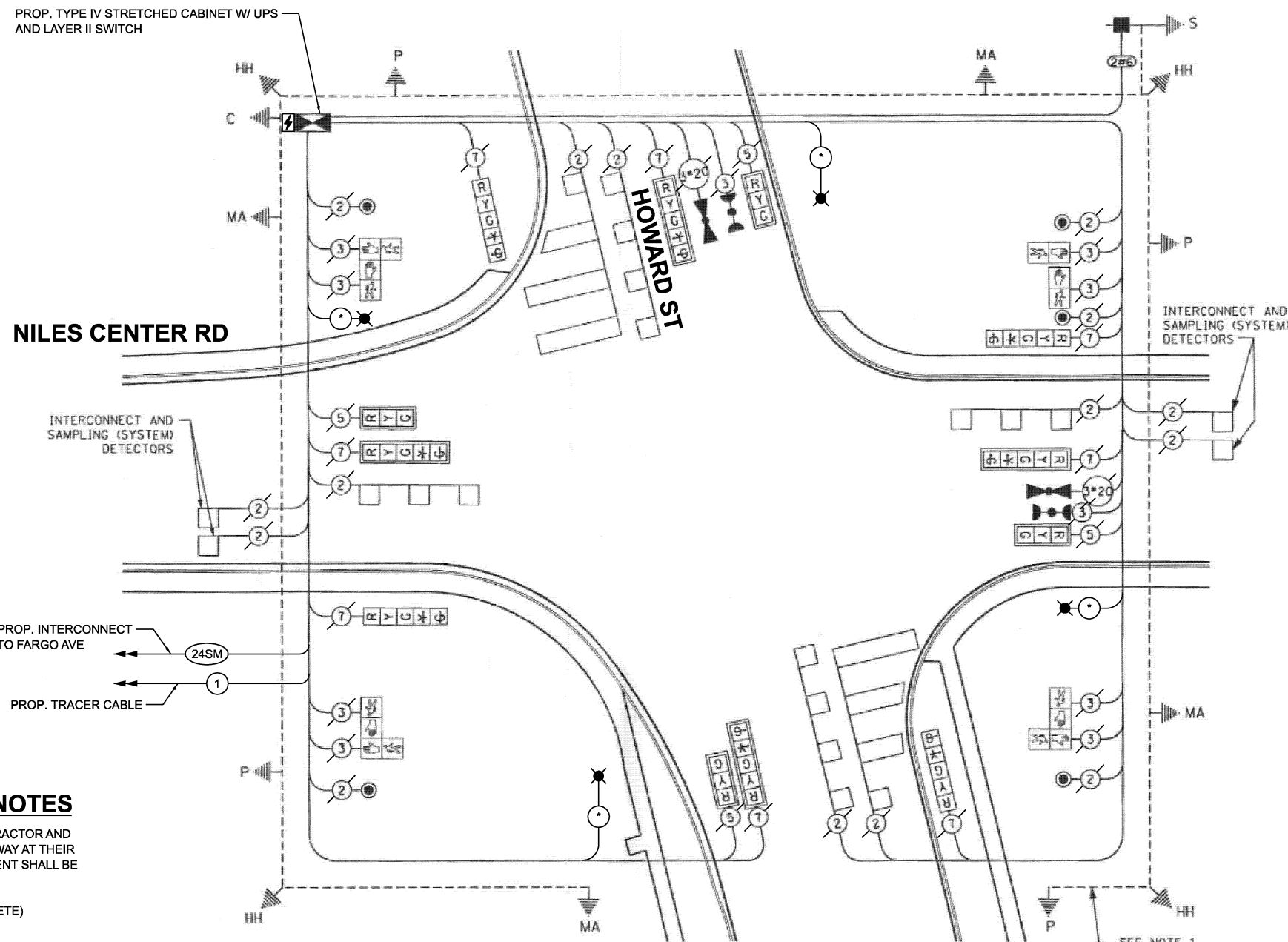
**LEGEND**

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

\* SEE ROADWAY LIGHTING PLANS FOR CABLES



PROP. TYPE IV STRETCHED CABINET W/ UPS AND LAYER II SWITCH



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			478
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	4	240	960
TOTAL SERVICE WIRE SIZING			2043

**REMOVAL AND RELOCATION NOTES**

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

- 1 EACH CONTROLLER (M40) AND CABINET (TS 2) (COMPLETE)
- 1 EACH UNINTERRUPTIBLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CABINET:

- 1 EACH LIGHT DETECTOR AMPLIFIER

**ENERGY COSTS TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

**ENERGY SUPPLY:**

CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 8332677000  
METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	10
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTIBLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**CABLE PLAN  
(NOT TO SCALE)**



USER NAME = dwklorzak  
PLOT DATE = 3/21/2026

DESIGNED - ZH	REVISED -
DRAWN - RG	REVISED -
CHECKED - DW	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES  
NILES CENTER RD AND HOWARD ST**

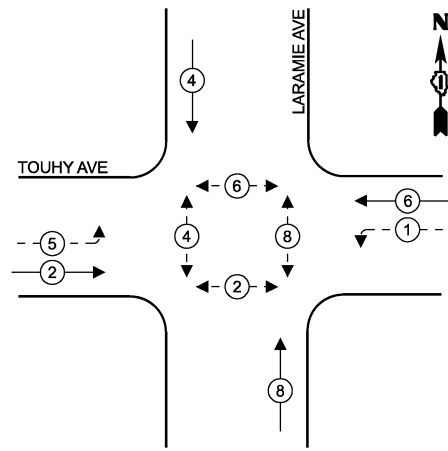
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	52
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**TS 14820  
IDOT CENTRACS  
FORMER EAGLE 4D**

MODEL: CAB-TS14820  
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**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**LEGEND**

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

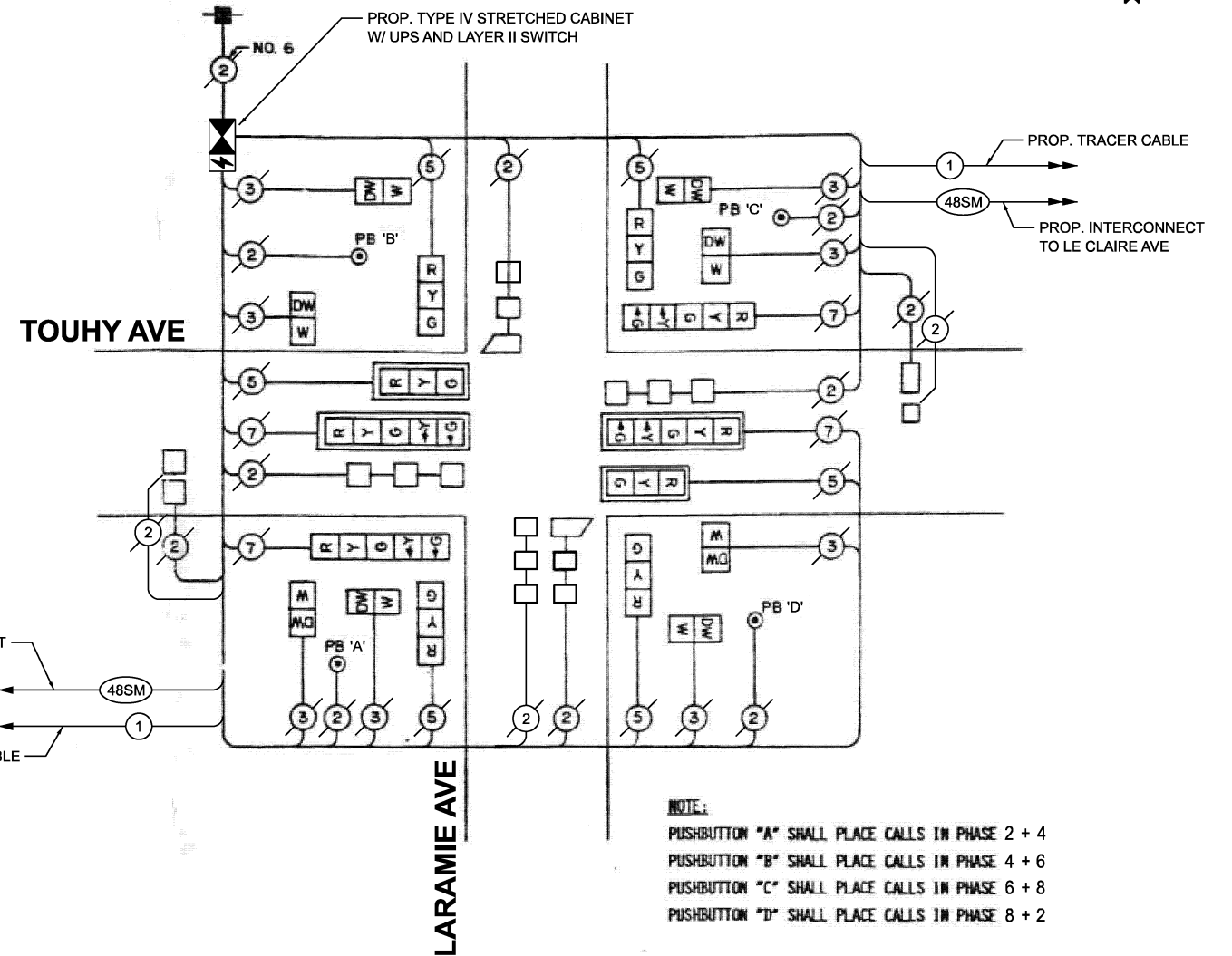
**REMOVAL AND RELOCATION NOTES**

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

- 1 EACH UNINTERRUPTIBLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY.

- 1 EACH TYPE IV CABINET (TS2)
- 1 EACH CONTROLLER (M60)



**CABLE PLAN**  
(NOT TO SCALE)

**NOTE:**  
 PUSHBUTTON "A" SHALL PLACE CALLS IN PHASE 2 + 4  
 PUSHBUTTON "B" SHALL PLACE CALLS IN PHASE 4 + 6  
 PUSHBUTTON "C" SHALL PLACE CALLS IN PHASE 6 + 8  
 PUSHBUTTON "D" SHALL PLACE CALLS IN PHASE 8 + 2

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			448
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			1053

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
 201 W. CENTER CT,  
 SCHAUMBURG, IL 60196  
 ENERGY SUPPLY:  
 CONTACT: AXL DAVIS  
 PHONE: (773)-231-2969  
 COMPANY: COMED SKOKIE REGION  
 ACCOUNT NUMBER: 8332677000  
 METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	9
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTIBLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**TS 14840**  
**IDOT CENTRACS**  
**FORMER EAGLE 4D**

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DATE -		REVISED -	

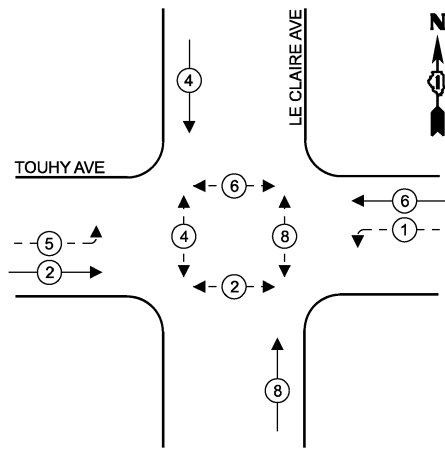
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**TOUHY AVE AND LARAMIE AVE**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	53
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**LEGEND**

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

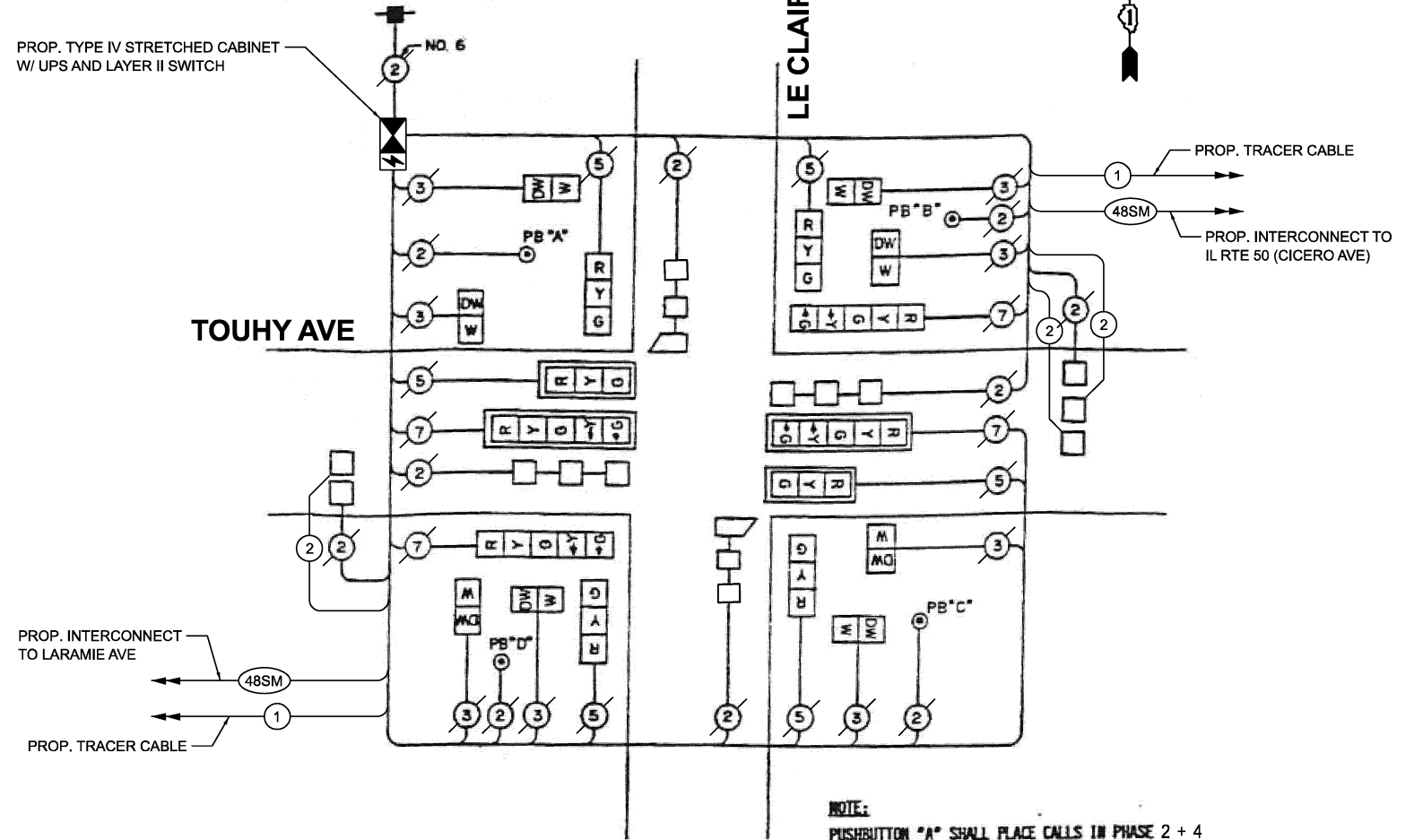
**REMOVAL AND RELOCATION NOTES**

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

1 EACH UNINTERRUPTIBLE POWER SUPPLY

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY.

1 EACH TYPE IV CABINET (TS2)  
1 EACH CONTROLLER (M60)



**NOTE:**  
PUSHBUTTON "A" SHALL PLACE CALLS IN PHASE 2 + 4  
PUSHBUTTON "B" SHALL PLACE CALLS IN PHASE 4 + 6  
PUSHBUTTON "C" SHALL PLACE CALLS IN PHASE 6 + 8  
PUSHBUTTON "D" SHALL PLACE CALLS IN PHASE 8 + 2

**CABLE PLAN**  
(NOT TO SCALE)

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	9
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1180
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UNINTERRUPTIBLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			448
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			1053

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 8332677000  
METER NUMBER:

MODEL: CAB-TS14845  
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DESIGNED -	ZH
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CHECKED -	DW
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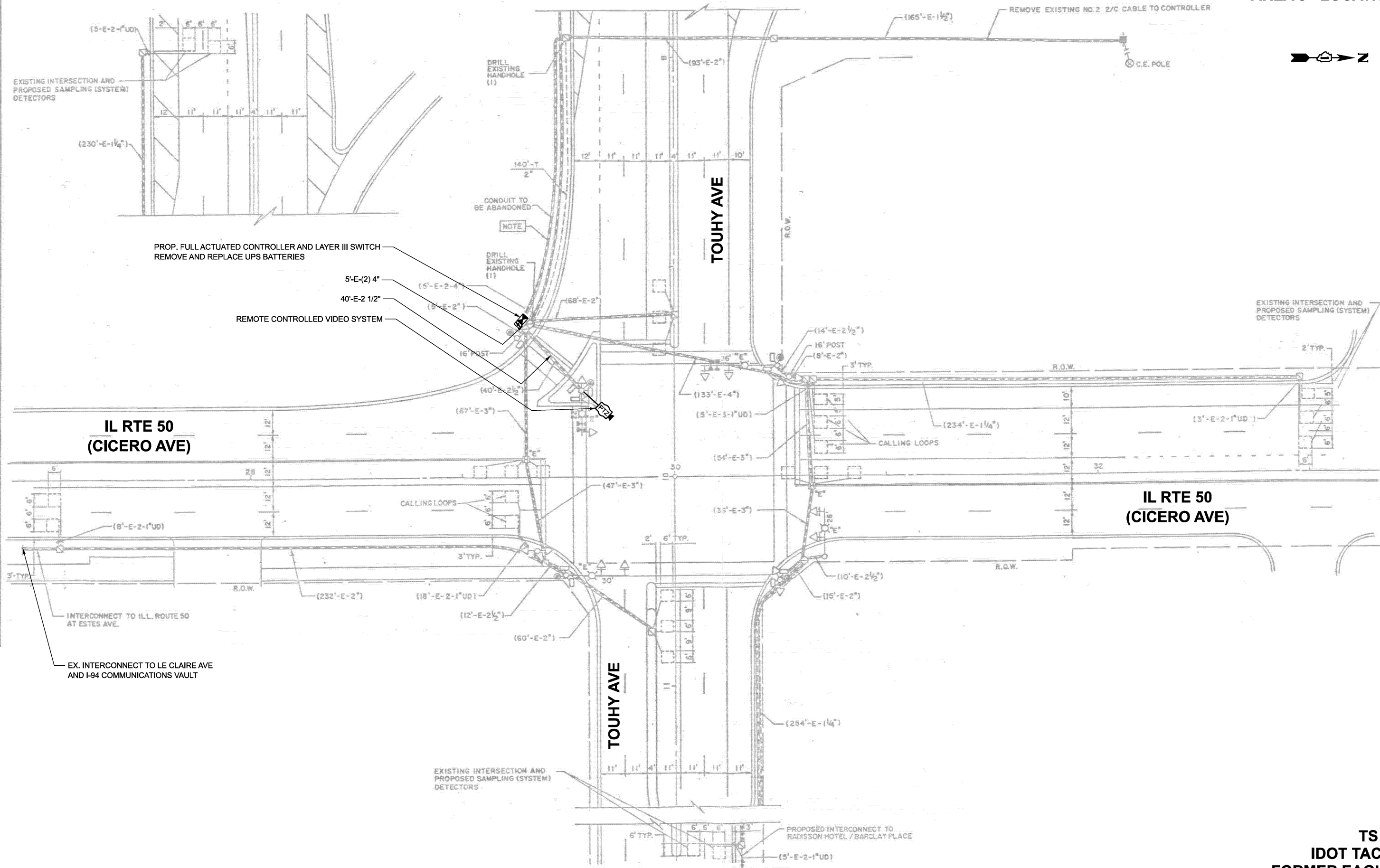
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**TOUHY AVE AND LE CLAIRE AVE**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	54
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**TS 14845**  
**IDOT CENTRACS**  
**FORMER EAGLE 4D**



MODEL: TS 2625 Plan-1  
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**TS 2625  
IDOT TACTICS  
FORMER EAGLE 1L**



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/20/2026	DATE -	REVISED -

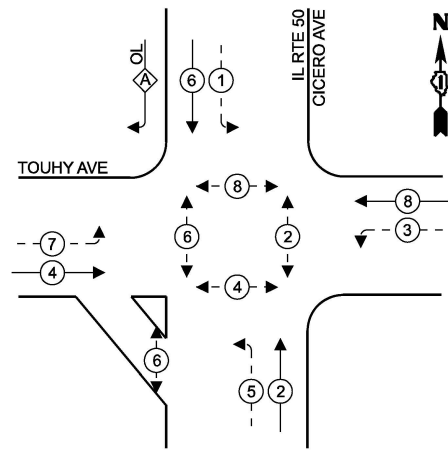
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN  
TOUHY AVE AND IL RTE 50 (CICERO AVE)**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	55
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



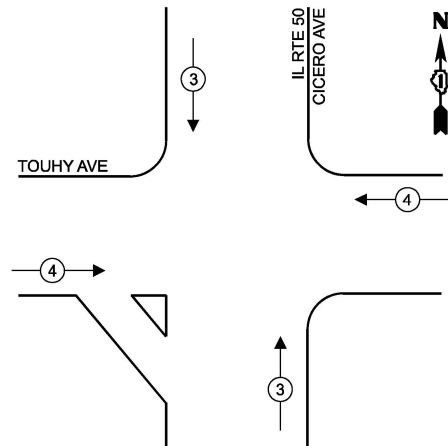
**LEGEND**

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

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP PERMISSIVE PROTECTED  
 LETTER PHASE PHASE  
 A = 6 + 7

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



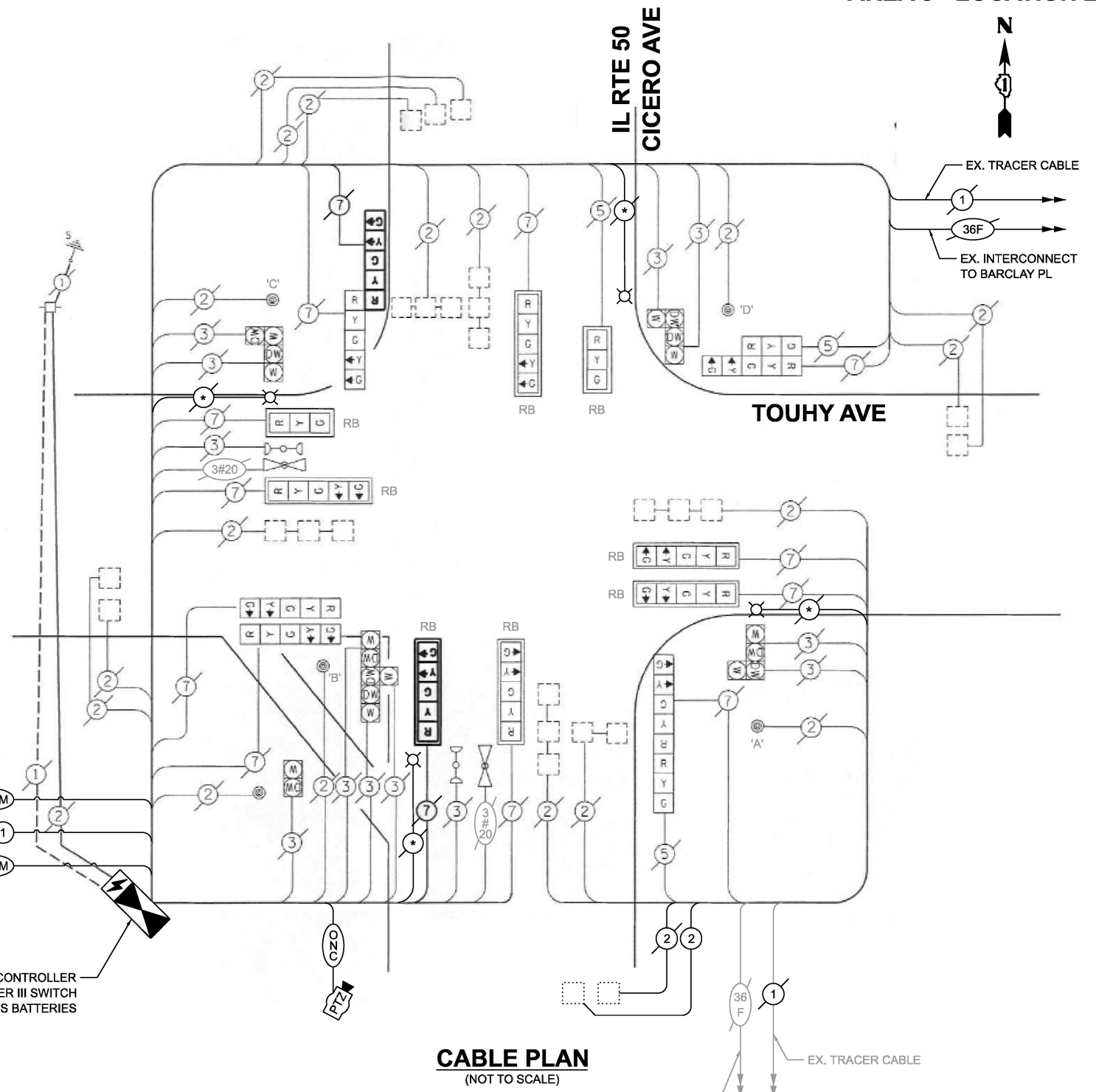
**REMOVAL AND RELOCATION NOTES**

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

- 1 EACH CONTROLLER (M41)

- PROP. INTERCONNECT TO I-94 COMMUNICATIONS VAULT
- PROP. TRACER CABLE
- PROP. INTERCONNECT TO LE CLAIRE AVE

PROP. FULL ACTUATED CONTROLLER AND LAYER III SWITCH REMOVE AND REPLACE UPS BATTERIES



**CABLE PLAN**  
(NOT TO SCALE)

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	125
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	455
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
REMOVE AND REPLACE BATTERIES FOR UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
NETWORK SWITCH DISTRIBUTION	EACH	1

EX. INTERCONNECT TO ESTES AVE

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 8 AND 2.

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	10	15	150
MASTER CONTROLLER	1	150	150
UPS	1	100	-
DETECTION RADAR OR VIDEO	1	25	25
BLANK-OUT SIGN	-	20	-
NETWORK SWITCH II OR III	1	25	-
CELLULAR MODEM	1	35	35
	1	15	15
TOTAL UPS SIZING			560
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	4	240	960
TOTAL SERVICE WIRE SIZING			2140

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
 SCHAUMBURG, IL 60196

ENERGY SUPPLY:  
 CONTACT: AXL DAVIS  
 PHONE: (773)-231-2969  
 COMPANY: COMED SKOKIE REGION  
 ACCOUNT NUMBER: 6311361222  
 METER NUMBER:

MODEL: CAB TS2625  
 FILE NAME: X:\projects\2024\2382\219700\DOT\_PTB\_207\004\_Ver-TS24\009\_CMAQ\_Int-1\CADD\_Data\Sheets\ID1621\38-shfts-cable.dgn



USER NAME = dwtkorzak  
 PLOT DATE = 3/21/2026

DESIGNED - ZH  
 DRAWN - RG  
 CHECKED - DW  
 DATE -

REVISED -  
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

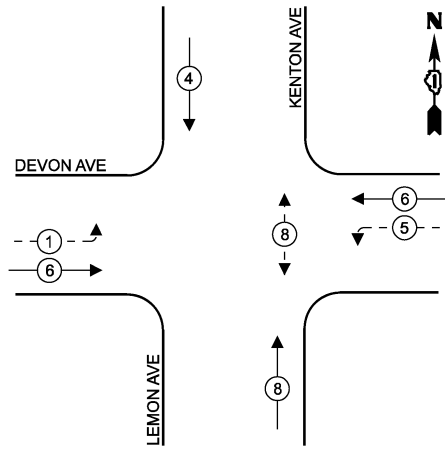
CABLE PLAN, PHASE DESIGNATION, EMERGENCY  
 VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES  
 TOUHY AVE AND IL RTE 50 (CICERO AVE)

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	56
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W83	

**TS 2625**  
**IDOT TACTICS**  
**FORMER EAGLE 1L**

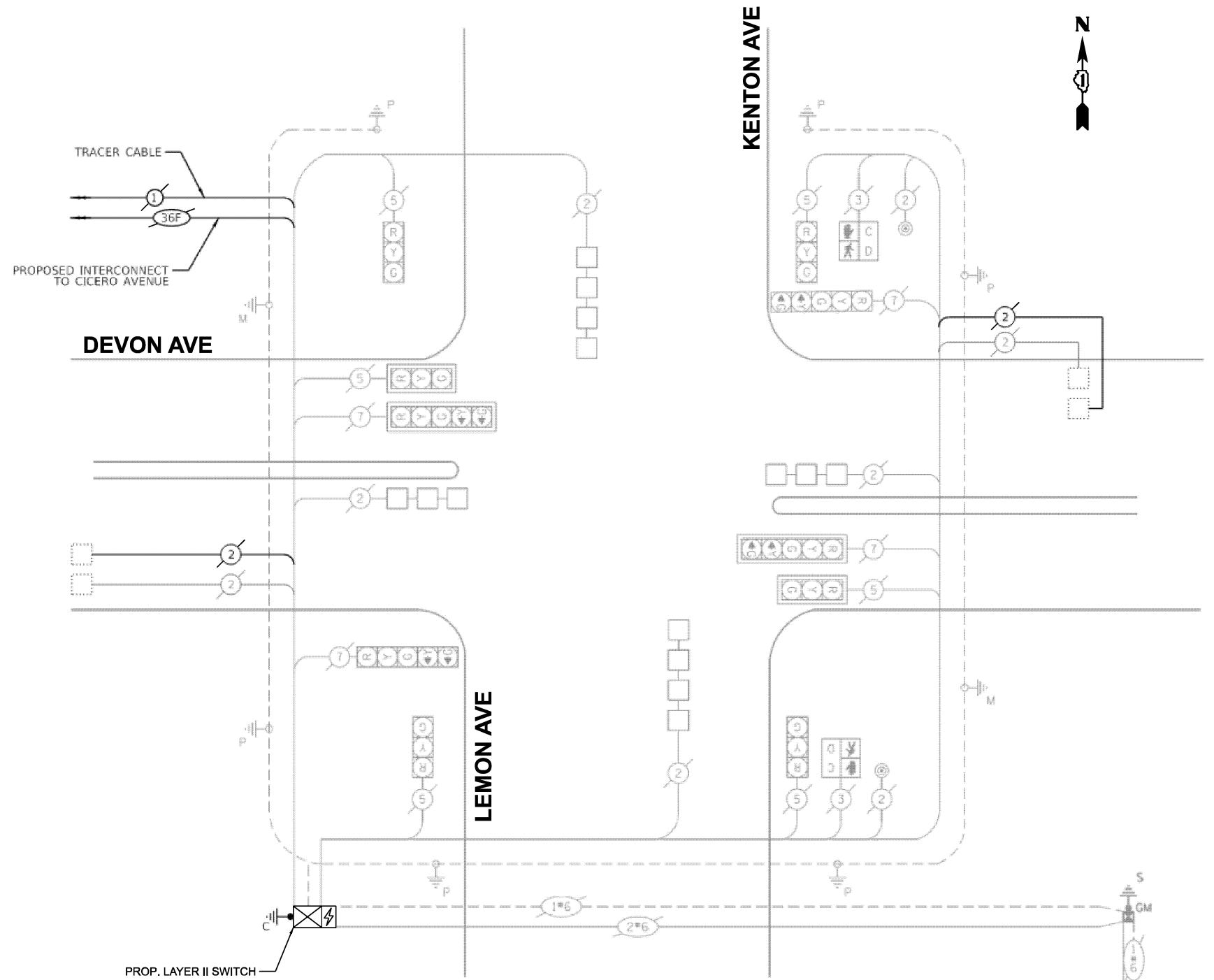
**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**LEGEND**

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

**AREA 3 - LOCATION 20A**



**CABLE PLAN**  
(NOT TO SCALE)

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	2	15	30
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			358
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			963

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 6311361222  
METER NUMBER:

MODEL: CAB-TS1185  
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USER NAME =	dwklorzak
DESIGNED -	ZH
DRAWN -	RG
CHECKED -	DW
PLOT DATE =	3/21/2026

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

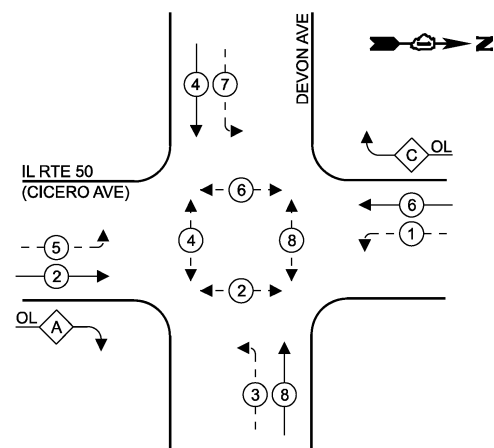
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY  
VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES  
DEVON AVE AND KENTON AVE/LEMONT AVE**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	57
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**TS 1185  
IDOT TACTICS  
FORMER EAGLE 1L**

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



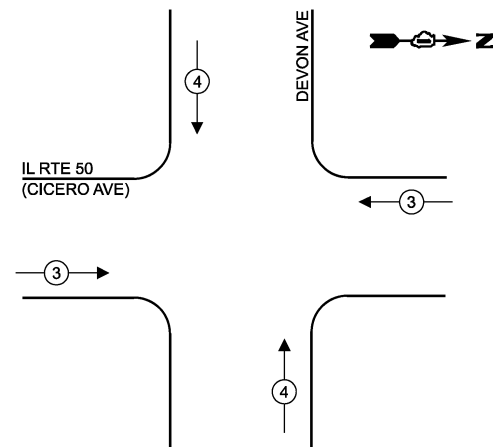
**LEGEND**

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

**RIGHT TURN OVERLAP PHASE DESIGNATION**

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

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	2	11	22
4-SECTION	-	14	-
5-SECTION	12	13	156
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			508
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			1113

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**

201 W. CENTER CT,  
SCHAUMBURG, IL 60196

ENERGY SUPPLY:

CONTACT: AXL DAVIS

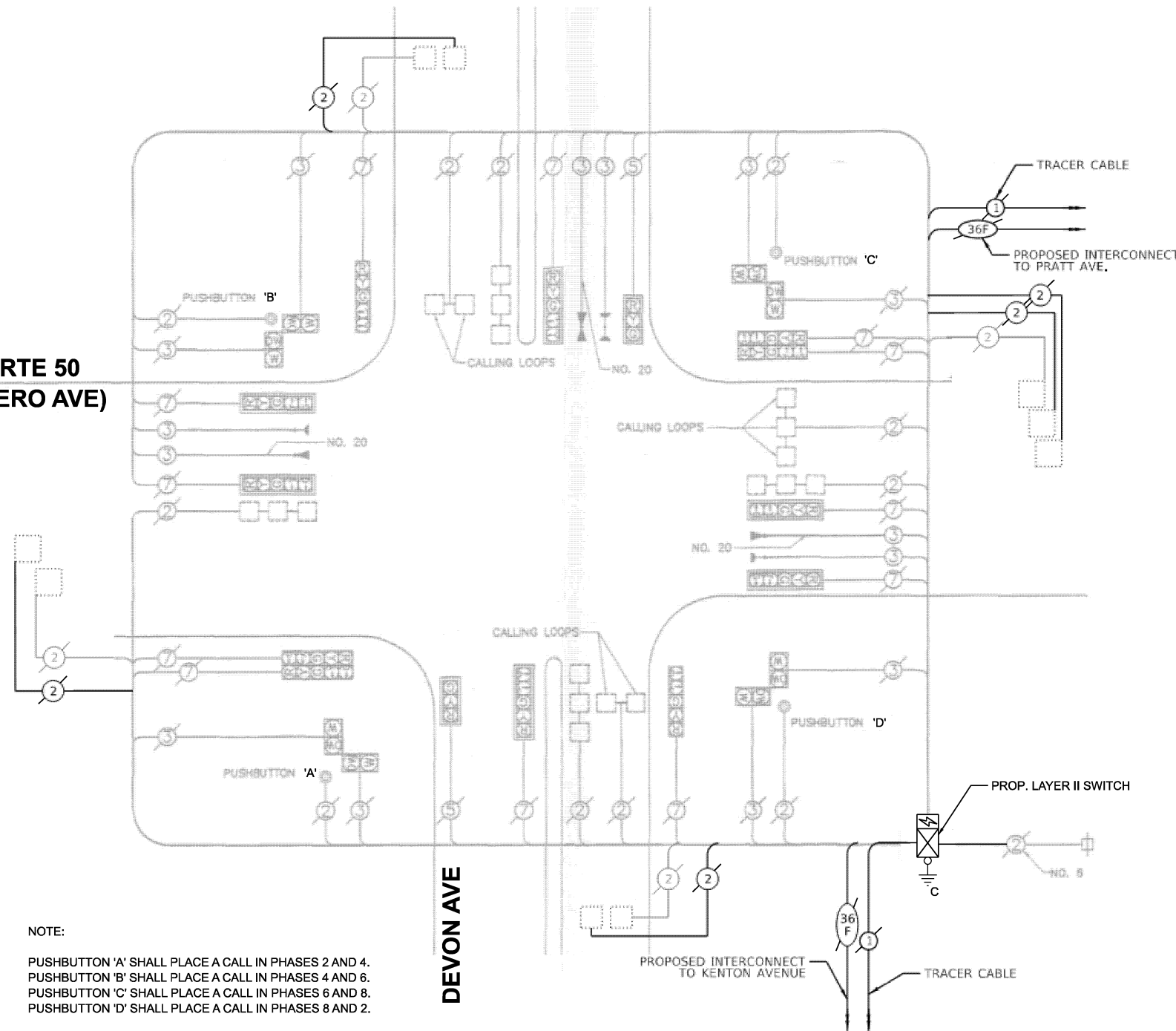
PHONE: (773)-231-2969

COMPANY: COMED SKOKIE REGION

ACCOUNT NUMBER: 8589051222

METER NUMBER:

IL RTE 50 (CICERO AVE)



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 8 AND 2.

**CABLE PLAN**  
(NOT TO SCALE)

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
NETWORK SWITCH ACCESS	EACH	1

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
IL RTE 50 (CICERO AVE) AND DEVON AVE

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

**TS 2590**  
**IDOT TACTICS**  
**FORMER EAGLE 1L**

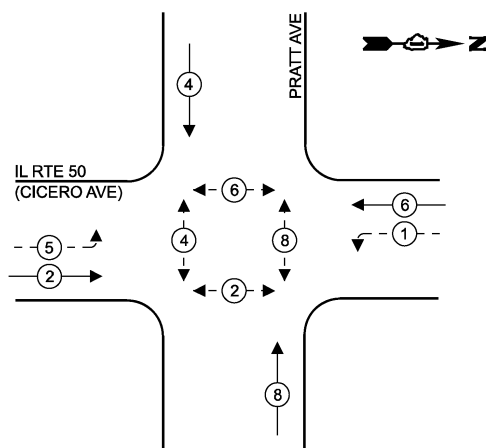
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2024-957-TS	COOK	92	58
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

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USER NAME =	dwklorzak	DESIGNED -	ZH	REVISED -	
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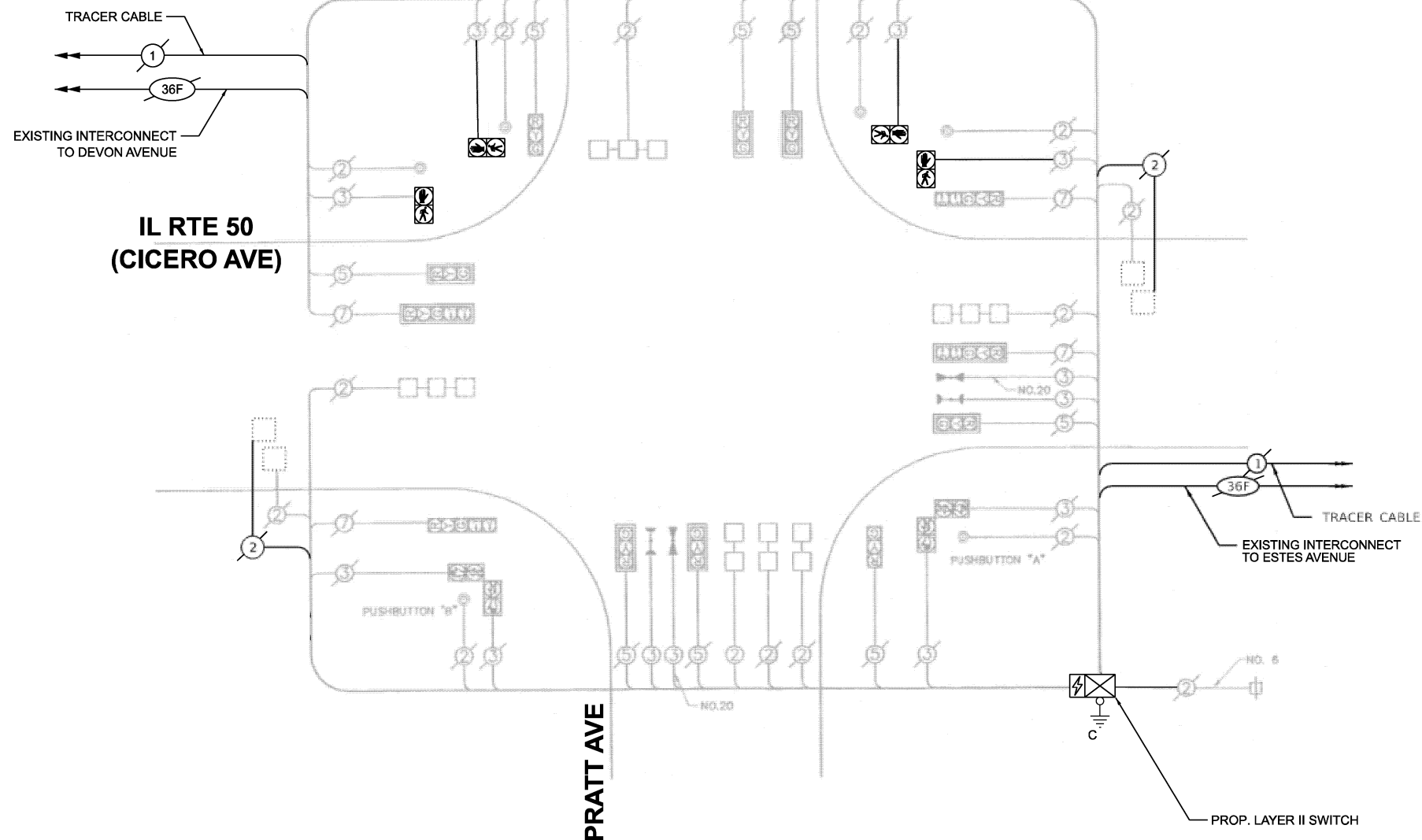
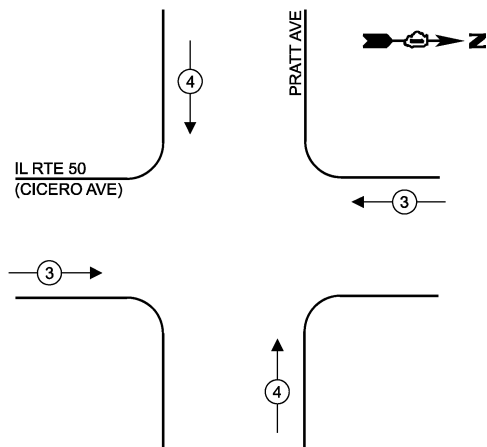
**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**LEGEND**

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

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**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 8 AND 2.

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			470
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			1075

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
201 W. CENTER CT,  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 6311361222  
METER NUMBER:

**TS 2605**  
**IDOT TACTICS**  
**FORMER EAGLE 1L**

MODEL: CAB-TS2605  
FILE NAME: X:\Projects\2024\2605\IDOT\_PTB\_207-004\_Ver-TS2605.dwg  
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USER NAME = dwlkorzak  
DESIGNED - ZH  
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CHECKED - DW  
PLOT DATE = 3/21/2026

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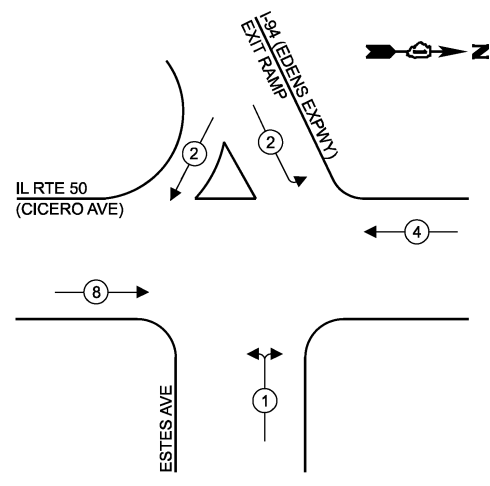
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**IL RTE 50 (CICERO AVE) AND PRATT AVE**

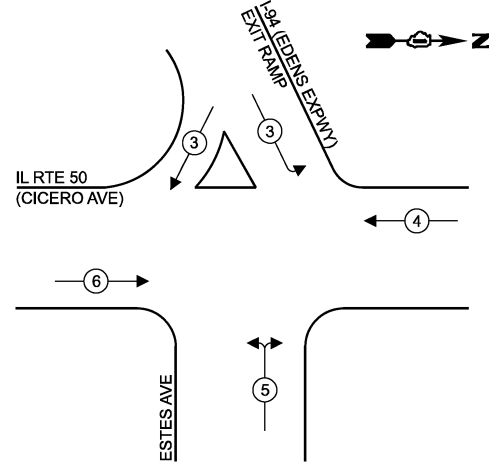
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2024-957-TS		COOK	92	59
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**

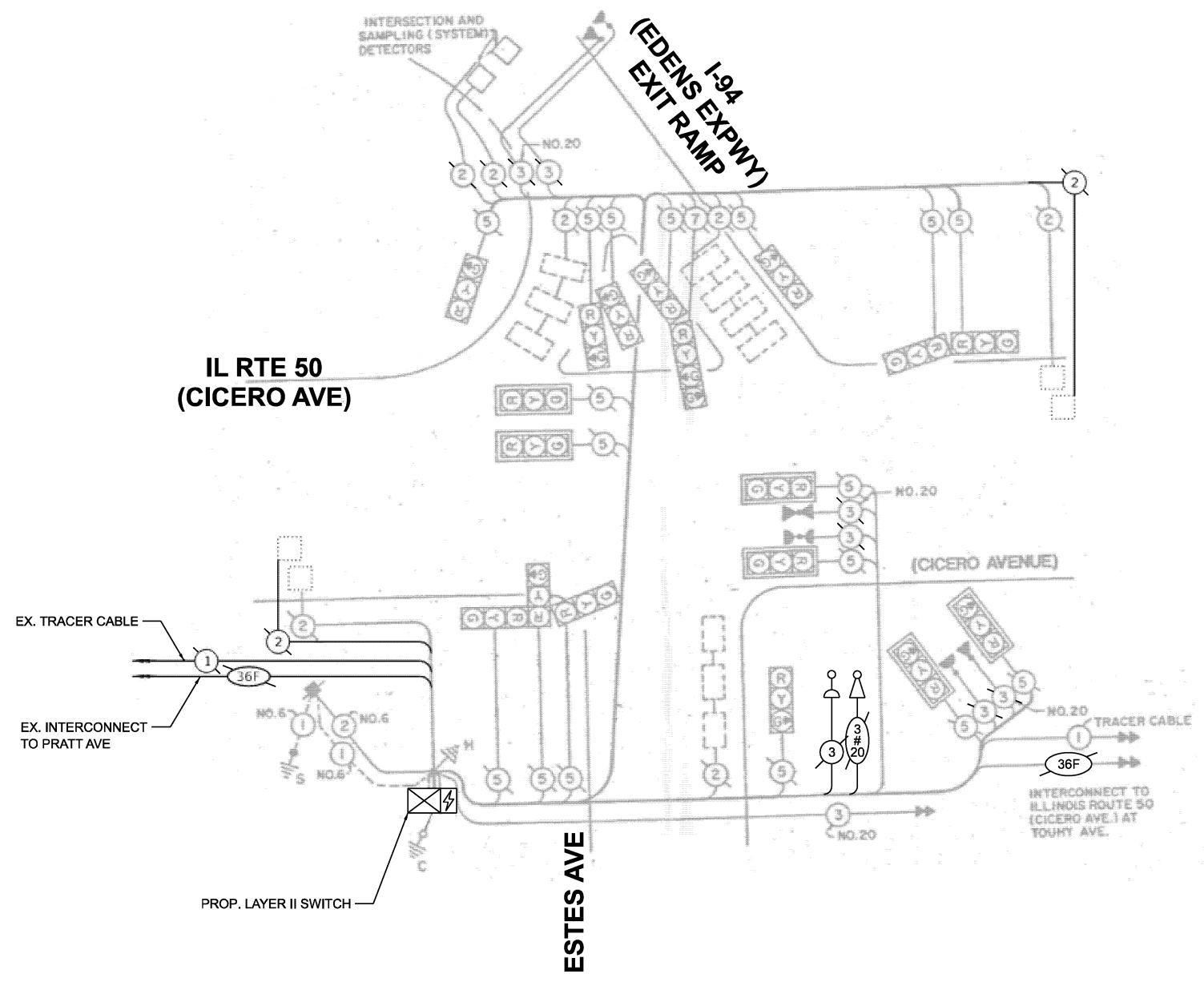


**LEGEND**

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



IL RTE 50 (CICERO AVE)



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	1 OR 3-SECTION	17	187
	4-SECTION	1	14
	5-SECTION	-	-
PROGRAMMABLE	3-SECTION	-	-
	4-SECTION	-	-
	5-SECTION	-	-
PEDESTRIAN SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			411
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			1016

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
NETWORK SWITCH ACCESS	EACH	1

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
201 W. CENTER CT,  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 8589051222  
METER NUMBER:

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

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**IL RTE 50 (CICERO AVE) AND I-94 NB EXIT RAMP/ESTES AVE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	60
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**TS 65**  
**IDOT TACTICS**  
**FORMER EAGLE 1L**

MODEL: CAB TS65  
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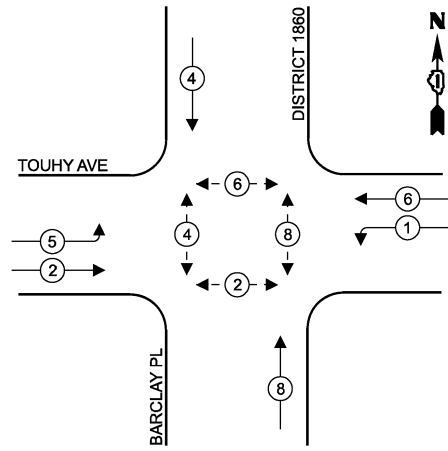


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		DATE -		REVISED -	-
PLOT DATE =	3/21/2026				

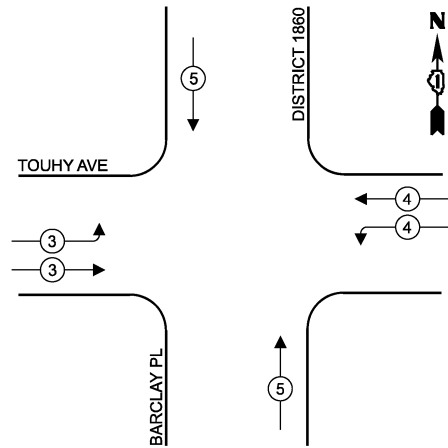
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.



**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



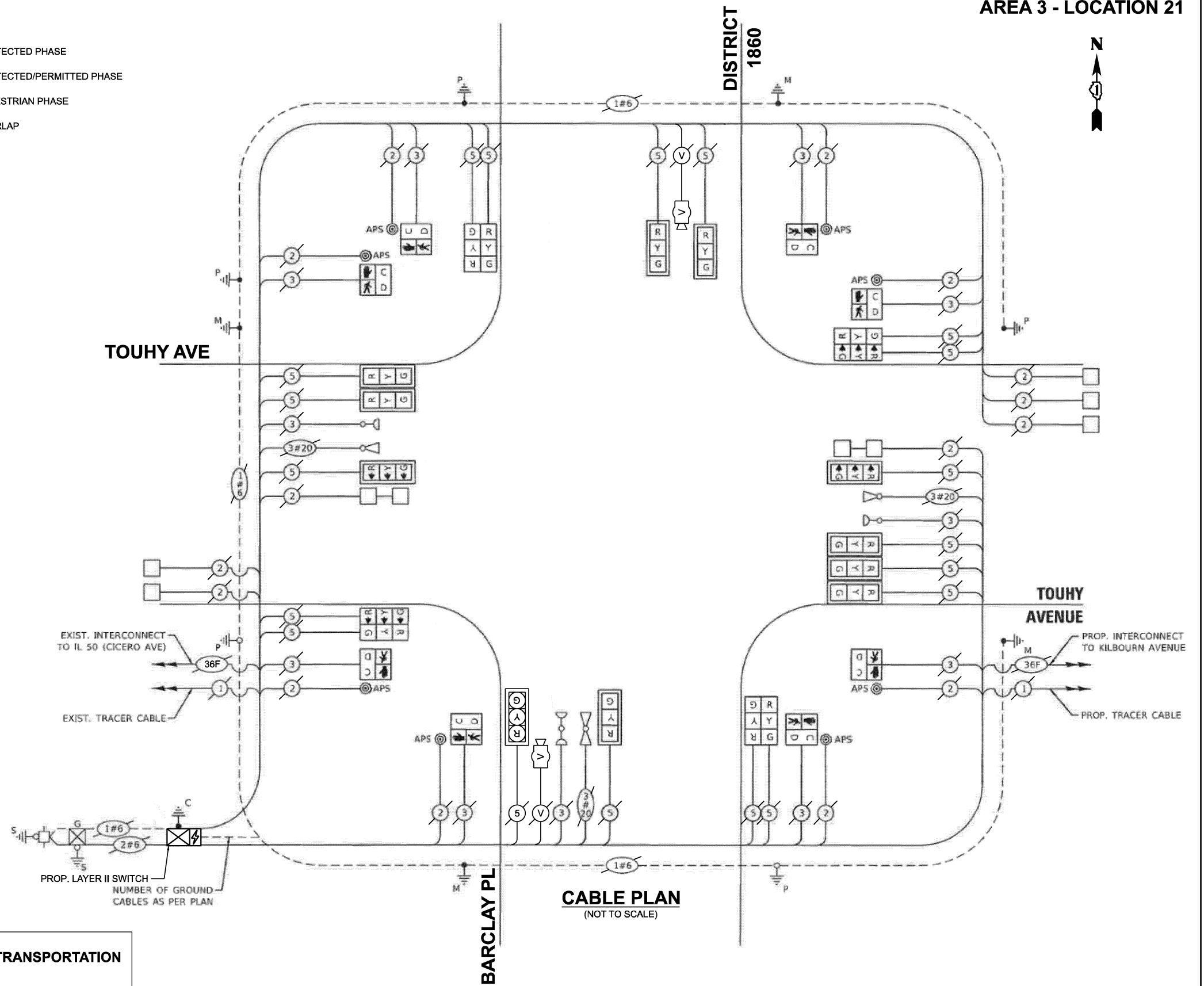
**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND**

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

TOUHY AVE



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	19	11	209
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			579
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			1184

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
201 W. CENTER CT,  
SCHAUMBURG, IL 60196  
ENERGY SUPPLY:  
CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 6311361222  
METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**TS 12090**  
**IDOT TACTICS**  
**FORMER EAGLE 1L**

MODEL: CAB-TS12090  
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		DRAWN -	RG	REVISED -	
		CHECKED -	DW	REVISED -	
		DATE -		REVISED -	
PLOT DATE =	3/21/2026				

DESIGNED -	ZH	REVISED -	
DRAWN -	RG	REVISED -	
CHECKED -	DW	REVISED -	
DATE -		REVISED -	

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

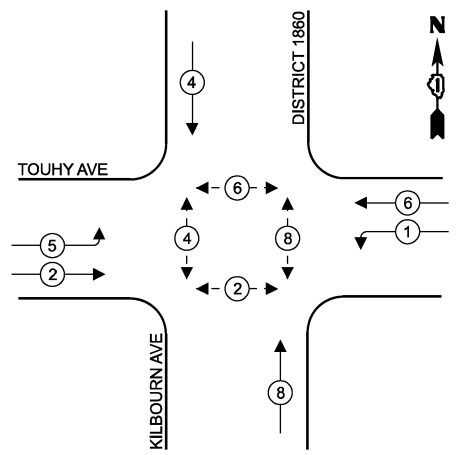
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**TOUHY AVE AND BARCLAY PL**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	61
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

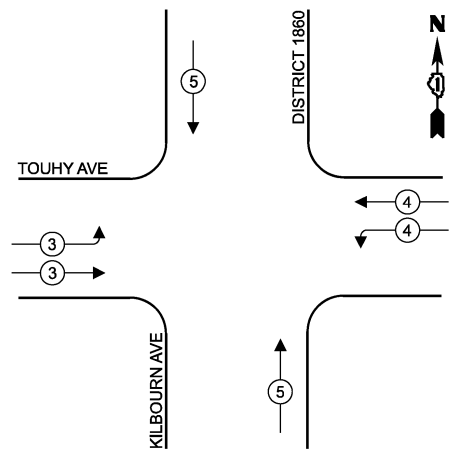
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.



**EXISTING AND PROPOSED CONTROLLER SEQUENCE**

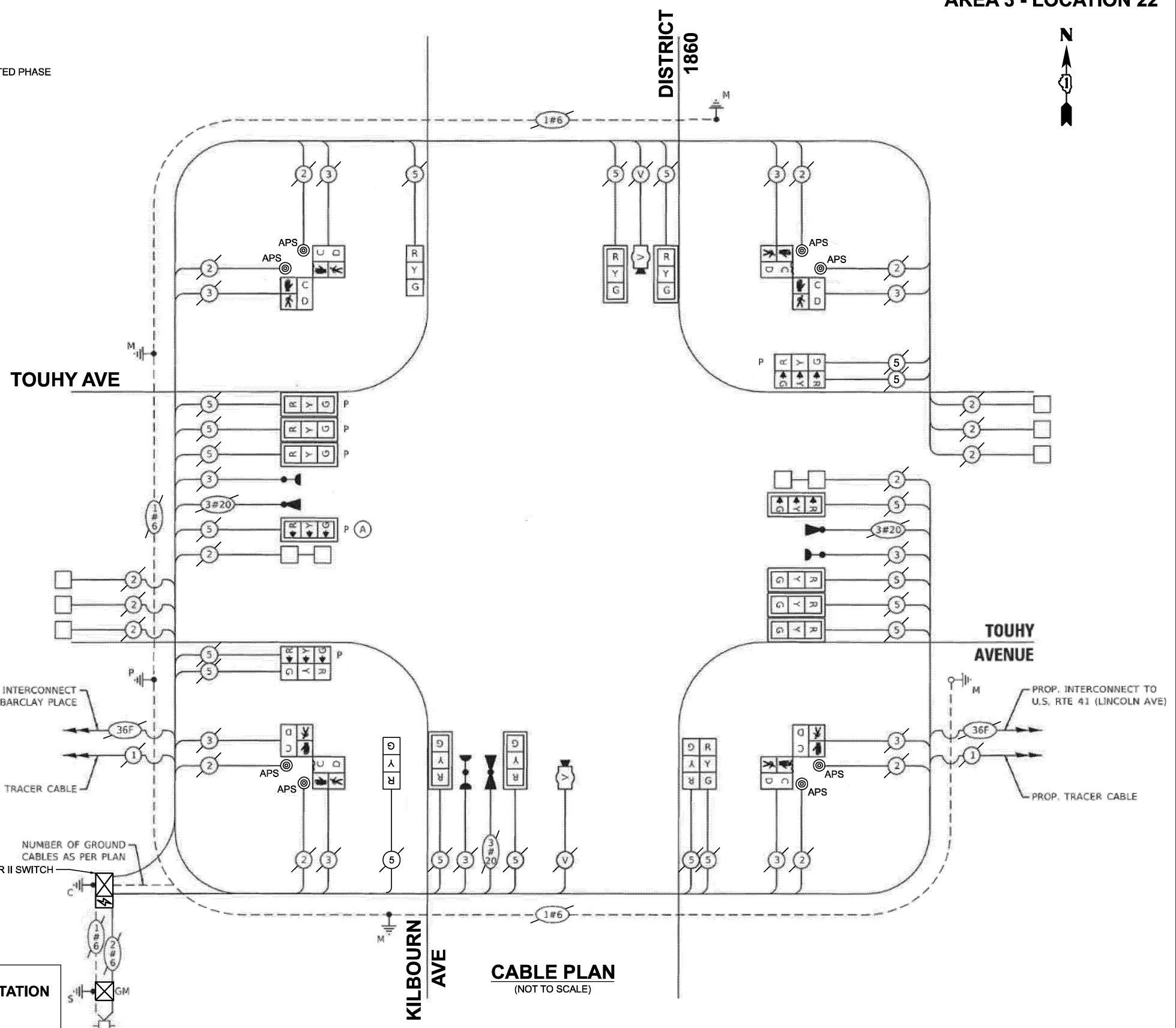


**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND**

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



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	14	11	154
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	6	22	132
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			656
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			1261

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
 201 W. CENTER CT,  
 SCHAUMBURG, IL 60196  
 ENERGY SUPPLY:  
 CONTACT: AXL DAVIS  
 PHONE: (773)-231-2969  
 COMPANY: COMED SKOKIE REGION  
 ACCOUNT NUMBER: 6311361222  
 METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**TS 1617**  
**IDOT TACTICS**  
**FORMER EAGLE 1L**

MODEL: CAB-TS1617  
 FILE NAME: X:\projects\2024\23892\19700 IDOT PTFB 207-004 Var-TS1617.dwg  
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**DLZ**

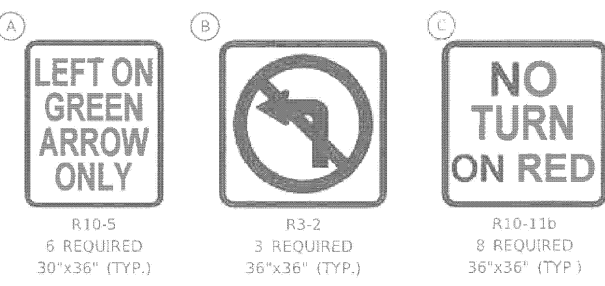
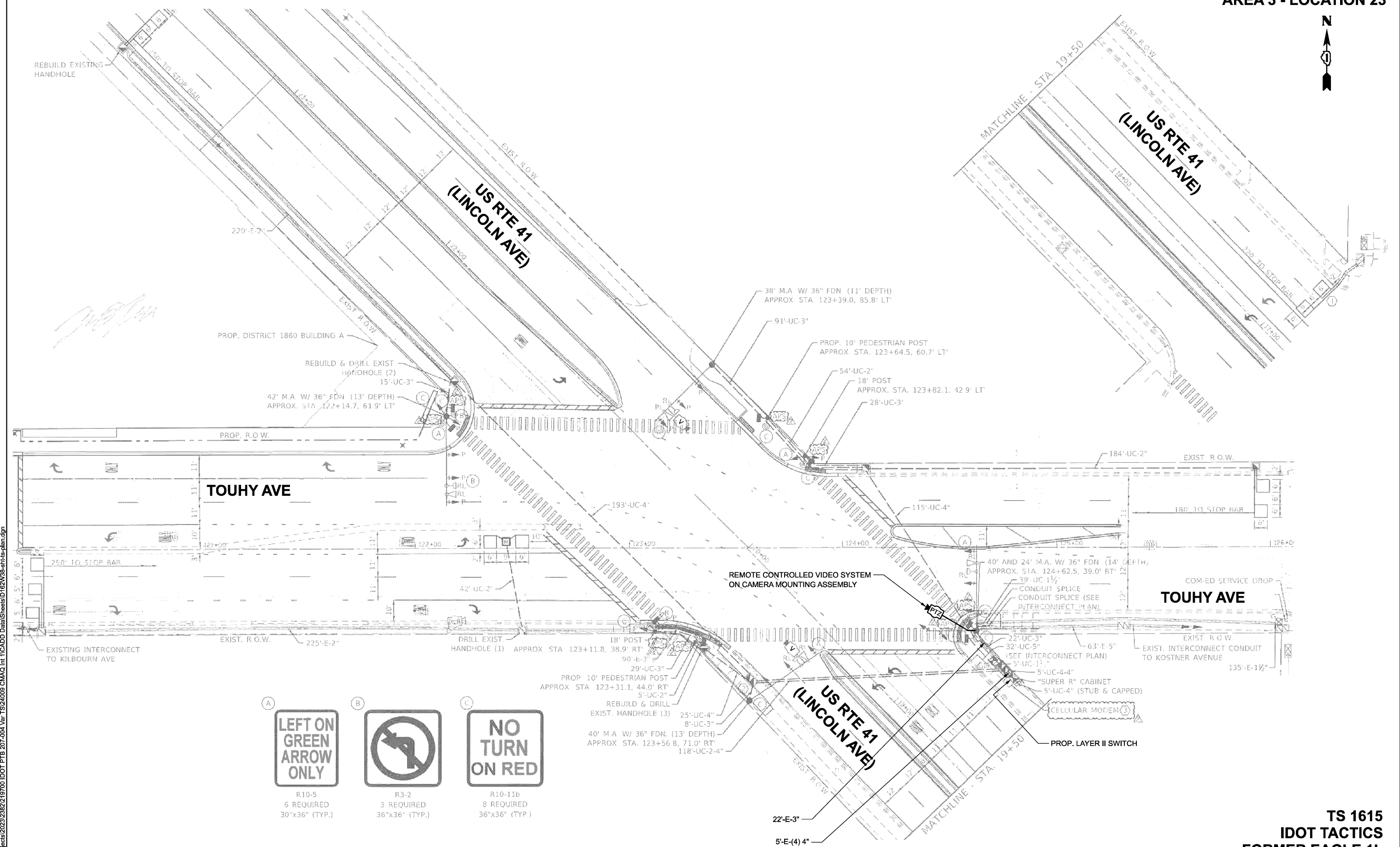
USER NAME = dwtkorzak  
 DESIGNED - ZH  
 DRAWN - RG  
 CHECKED - DW  
 PLOT DATE = 3/21/2026

DESIGNED	REVISION	DATE
ZH	-	-
RG	-	-
DW	-	-
-	-	-

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

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**TOUHY AVE AND KILBOURN AVE**  
 SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2024-957-TS		COOK	92	62
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				



MODEL: TS 1615 Plan  
 FILE NAME: X:\Projects\2023\38219700 IDOT PTB 207-004 Var-TS1615-009 cMAQ Int.1\CADD Data\Sheets\6216W8-shs-plan.dgn

**TS 1615**  
**IDOT TACTICS**  
**FORMER EAGLE 1L**



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

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

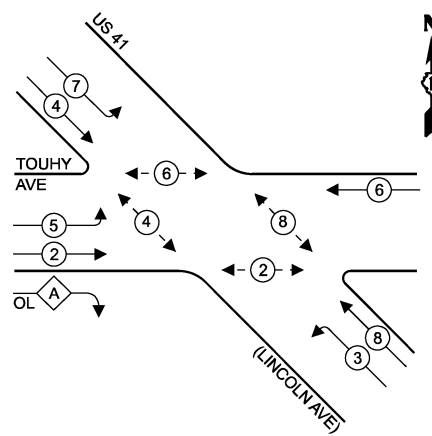
**TRAFFIC SIGNAL PLAN**  
**TOUHY AVE AND US RTE 41 (LINCOLN AVE)**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	63
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				



**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



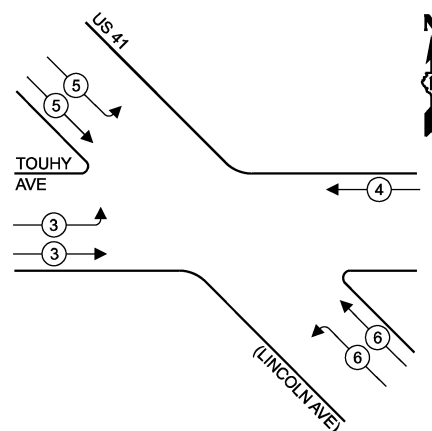
**LEGEND**

- ← (⊙) ← PROTECTED PHASE
- ← (⊙) ← PROTECTED/PERMITTED PHASE
- ← (⊙) ← PEDESTRIAN PHASE
- ← (⊙) ← OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP PERMISSIVE PROTECTED  
LETTER PHASE PHASE  
A = 2 + 3

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	9	11	99
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	9	22	198
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	-	100	-
DETECTION RADAR OR VIDEO	1	25	25
BLANK-OUT SIGN	2	20	40
NETWORK SWITCH II OR III	-	25	-
CELLULAR MODEM	1	35	35
PTZ	-	15	-
TOTAL UPS SIZING			768
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			1373

**REMOVAL AND RELOCATION NOTES**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY.

- 1 EACH MASTER CONTROLLER (M60)
- 1 EACH CELLULAR MODEM

CONTRACTOR SHALL REMOVE EXISTING CELLULAR MODEM ONLY AFTER FIBER OPTIC CABLE IS CONNECTED AND NETWORK COMMUNICATION IS ESTABLISHED.

**ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION**

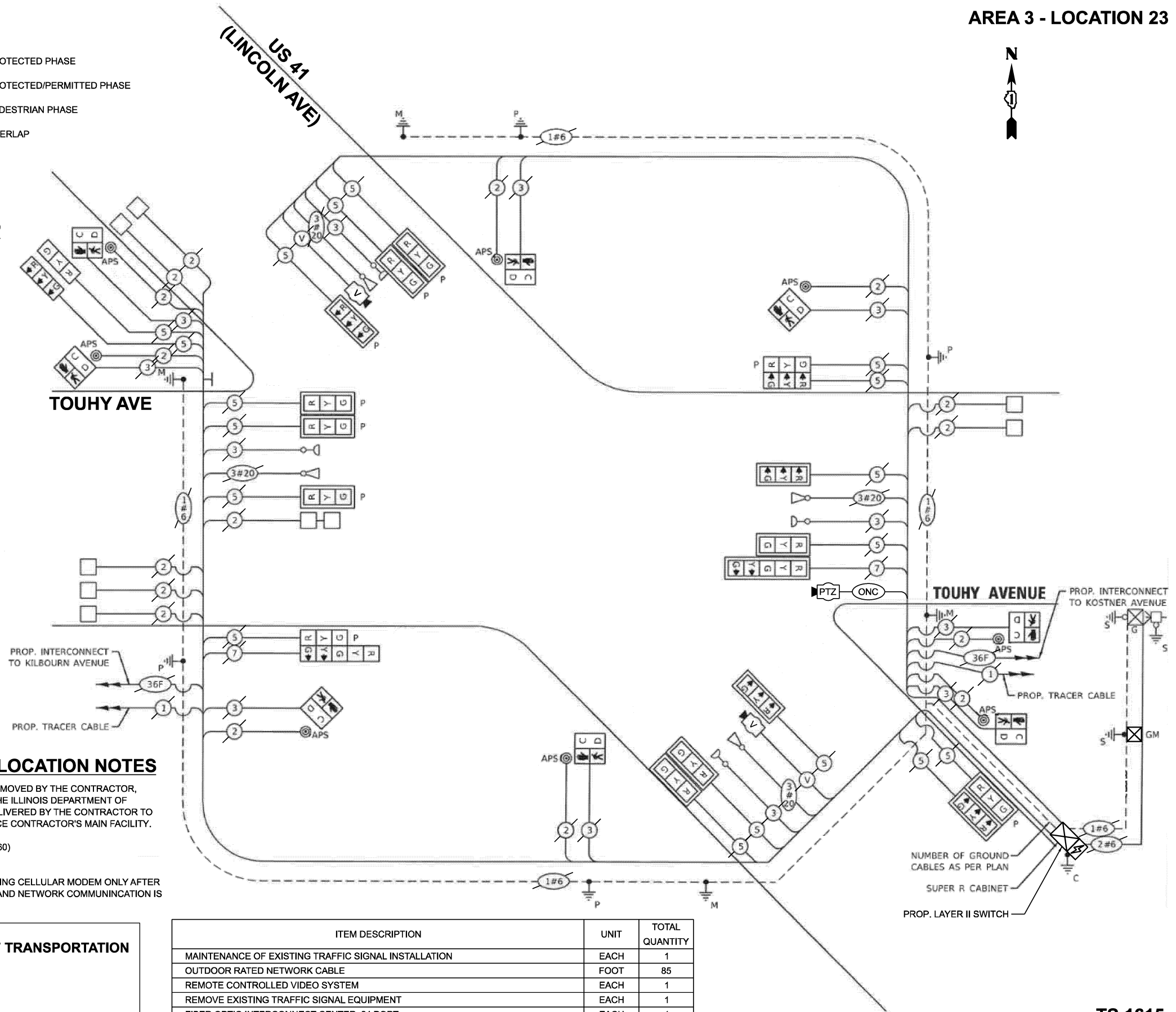
201 W. CENTER CT,  
SCHAUMBURG, IL 60196

**ENERGY SUPPLY:**

CONTACT: AXL DAVIS  
PHONE: (773)-231-2969  
COMPANY: COMED SKOKIE REGION  
ACCOUNT NUMBER: 8589051222  
METER NUMBER:

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	85
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**CABLE PLAN**  
(NOT TO SCALE)



**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
TOUHY AVE AND US RTE 41 (LINCOLN AVE)

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	64
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

DESIGNED	DRAWN	CHECKED	DATE	REVISION
ZH	RG	DW		

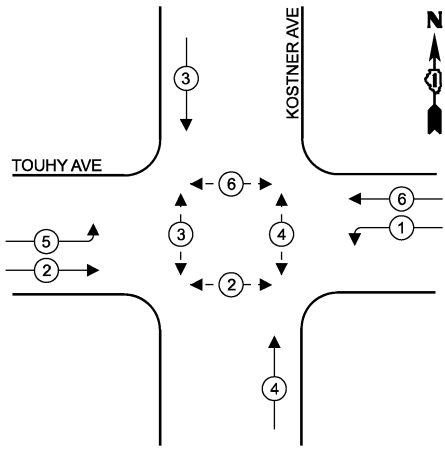
**TS 1615 IDOT TACTICS FORMER EAGLE 1L**

MODEL: CAB-TS1615  
FILE NAME: X:\projects\2024\957-TS\1615\cable.dgn

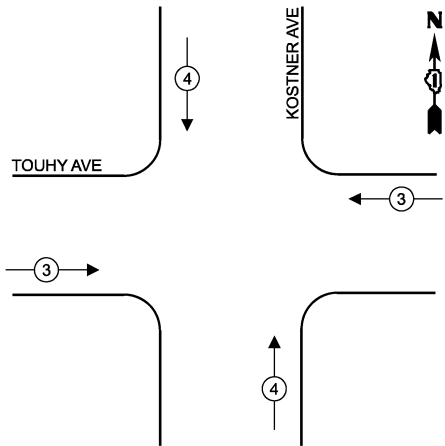


USER NAME = dwtkorzak  
PLOT DATE = 3/21/2026

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND**

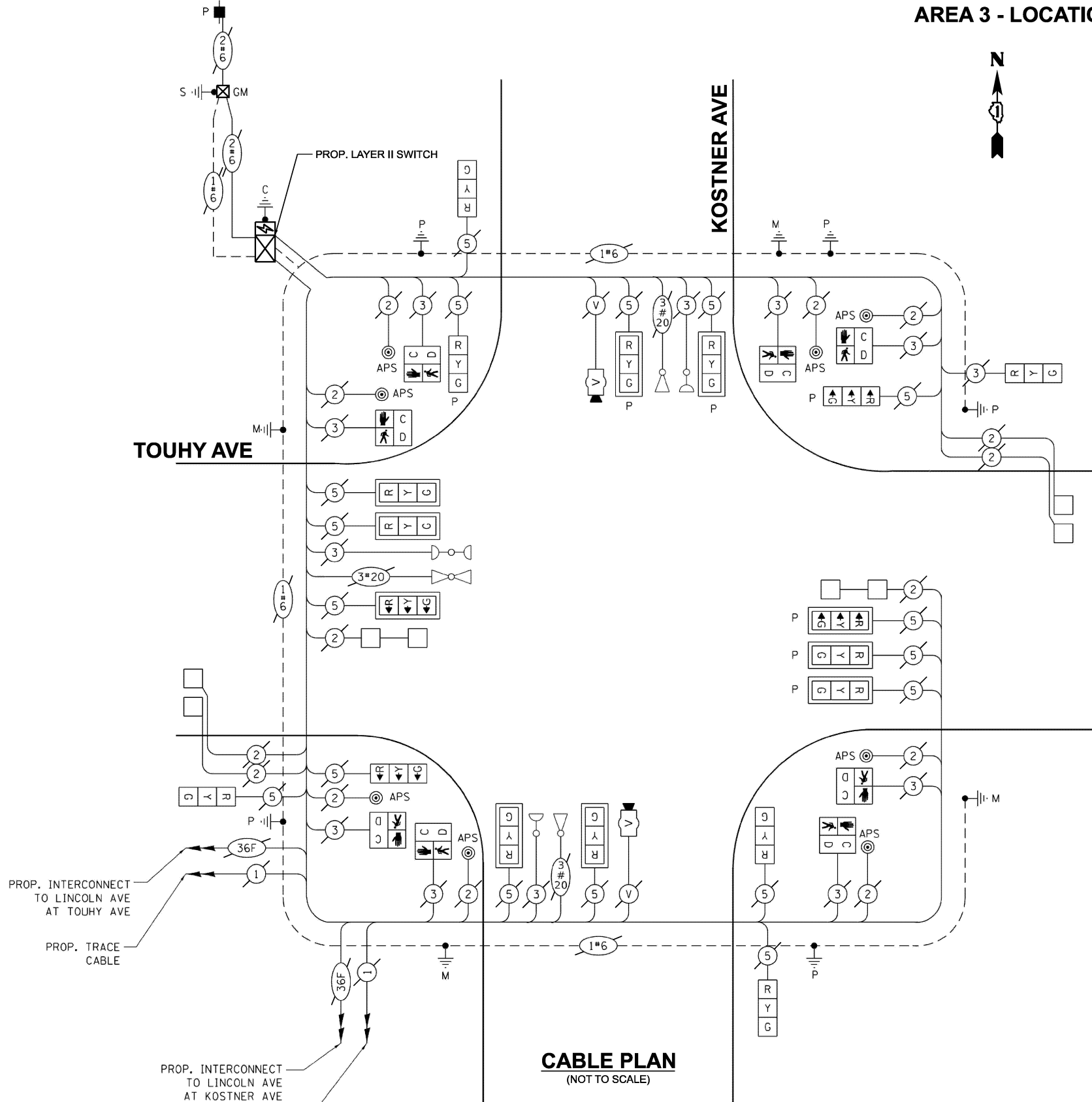
- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - ⊙ → PROTECTED/PERMITTED PHASE
- ← ⊙ ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL → OVERLAP

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	11	11	121
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	7	22	154
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			645
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			1250

ENERGY COSTS TO:  
**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
 201 W. CENTER CT,  
 SCHAUMBURG, IL 60196  
 ENERGY SUPPLY:  
 CONTACT: AXL DAVIS  
 PHONE: (773)-231-2969  
 COMPANY: COMED SKOKIE REGION  
 ACCOUNT NUMBER: 6311361222  
 METER NUMBER:

**AREA 3 - LOCATION 24**



**CABLE PLAN**  
(NOT TO SCALE)

ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
NETWORK SWITCH ACCESS	EACH	1

**TS 5835**  
**IDOT TACTICS**  
**FORMER EAGLE 1L**

MODEL: CAB-TS5835  
 FILE NAME: X:\Projects\2024\23892\19700 IDOT PTFB 207-004 Var-TS24009 CMAQ Int 1\CADD Data\Sheets\621W8-shfts-cable.dgn

**DLZ**  
 USER NAME = dwiktorzak  
 PLOT DATE = 3/21/2026

DESIGNED - ZH	REVISED -
DRAWN - RG	REVISED -
CHECKED - DW	REVISED -
DATE -	REVISED -

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

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**  
**TOUHY AVE AND KOSTNER AVE**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	65
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

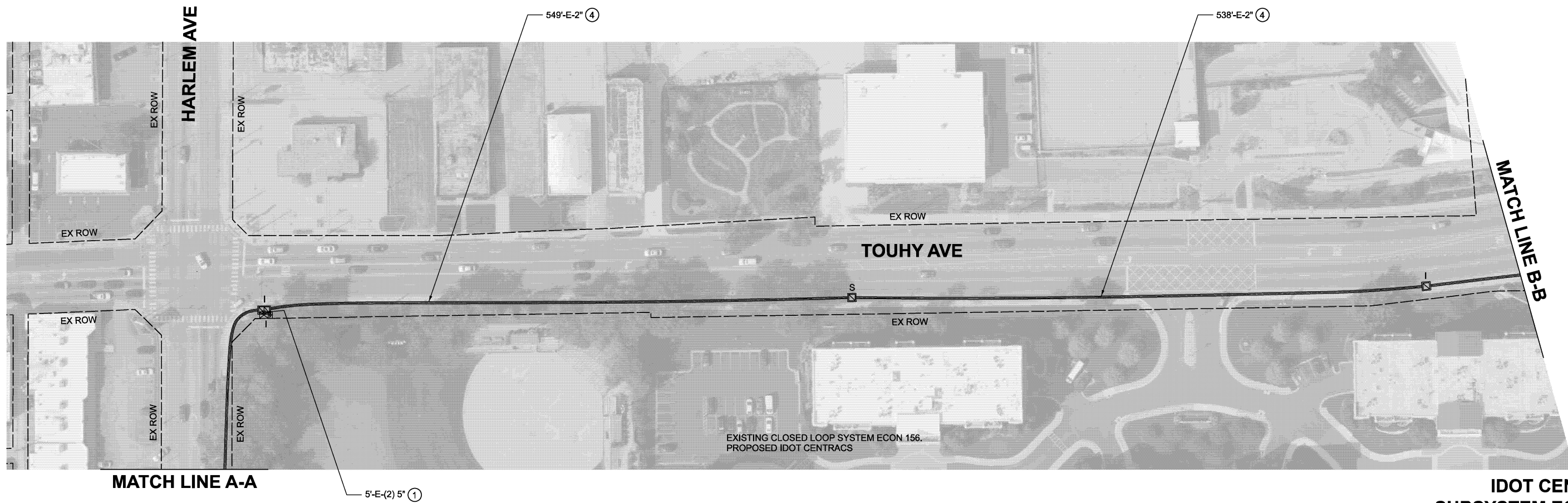




**LEGEND**

- ① REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ② INSTALL PROP. FIBER OPTIC CABLE
- ③ INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ④ REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE, ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ⑤ ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE

EXISTING CLOSED LOOP SYSTEM ECON 156.  
PROPOSED IDOT CENTRACS



**IDOT CENTRACS  
SUBSYSTEM ECON 156**

MODEL: Location\_C - Sheet 1  
FILE NAME: X:\Projects\2023\38219700 IDOT PTB 207-004 Var TS24009 cMAQ Int 1\CADD Data\Sheets\621W83-ah-Interconnect.dgn



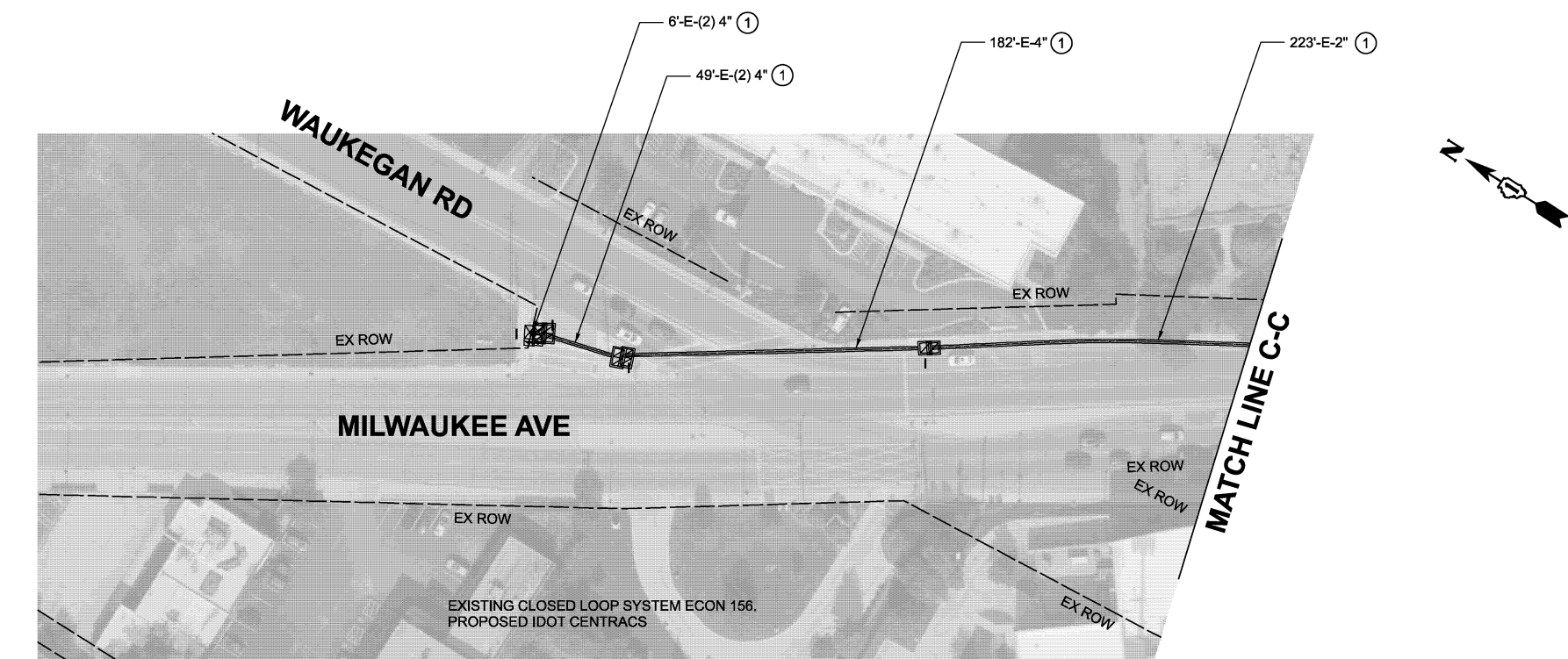
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	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - AREA 3  
TOUHY AVE FROM LE CLAIRE AVE TO IL RTE 50 (CICERO AVE)**

SCALE: 1"=50' SHEET 1 OF 11 SHEETS STA. 0+00.00 TO STA. 15+90.46

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	67
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	



**LEGEND**

- ① REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ② INSTALL PROP. FIBER OPTIC CABLE
- ③ INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ④ REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE, ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ⑤ ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE

MODEL: Location C - Sheet 2  
FILE NAME: X:\Projects\2023\2382\19700 IDOT PTB 207-004 Var-TS24009 c:\mag int 1\CADD Data\Sheets\ID621W83-ah-interconnect.dgn



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

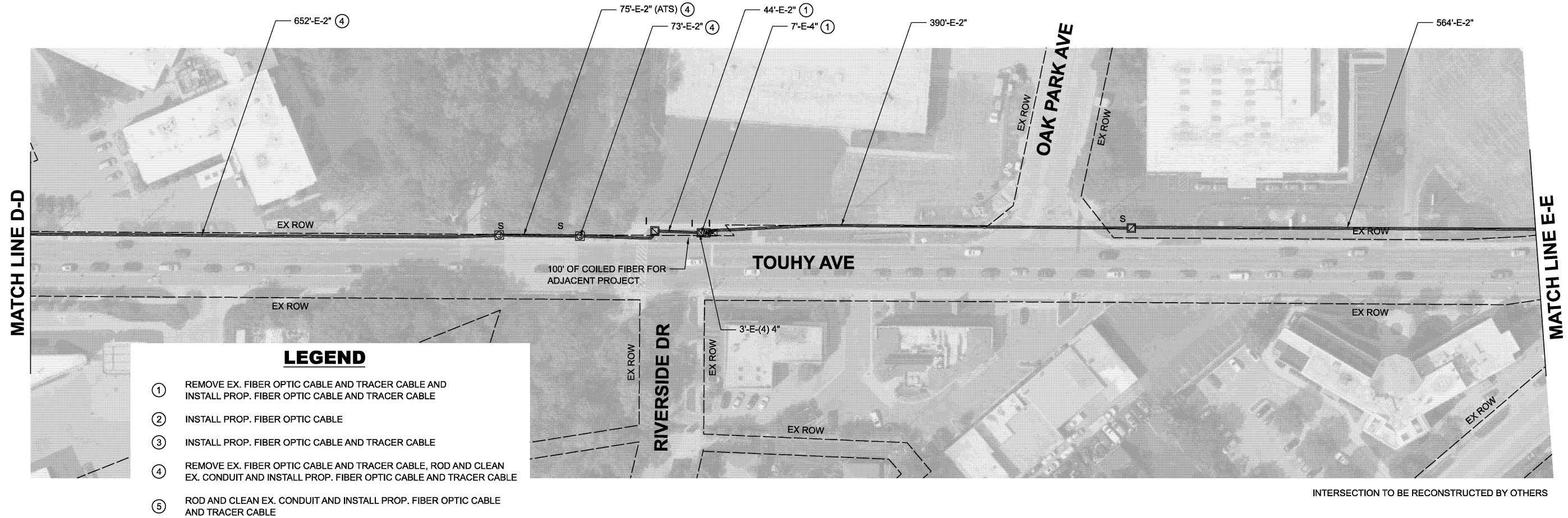
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**INTERCONNECT PLAN - AREA 3**  
**TOUHY AVE FROM LE CLAIRE AVE TO IL RTE 50 (CICERO AVE)**

SCALE: 1"=50'    SHEET 2 OF 11 SHEETS    STA. 0+00.00 TO STA. 31+72.40

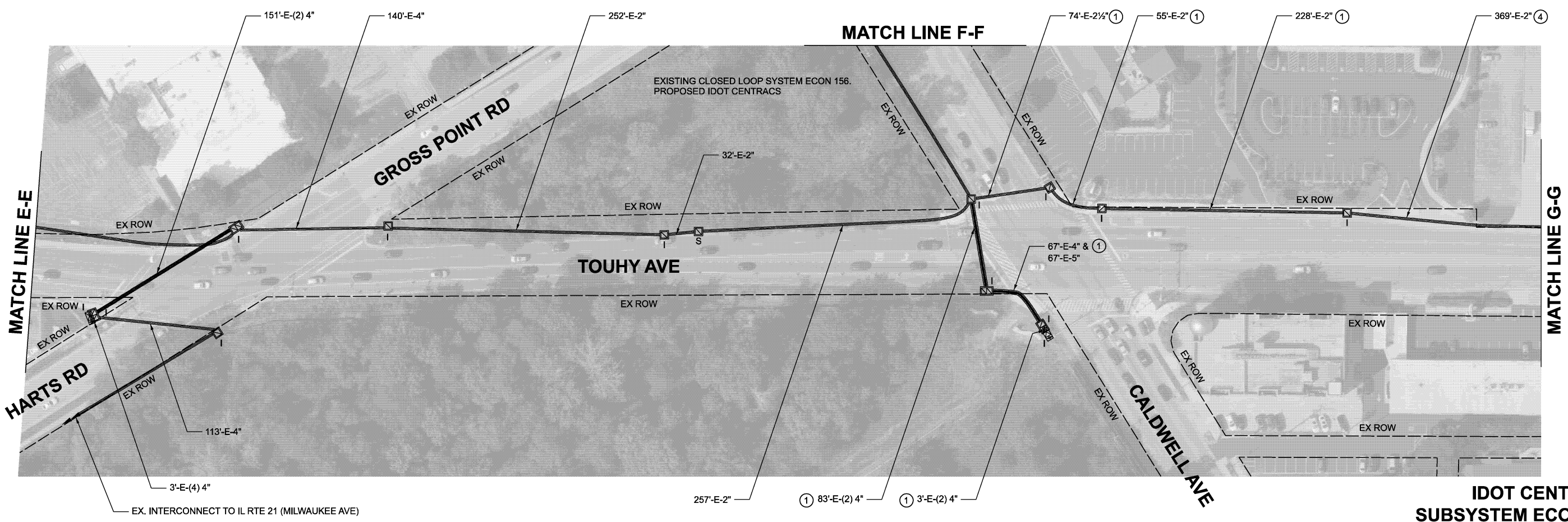
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	93	68
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

**IDOT CENTRACS  
SUBSYSTEM ECON 156**



- LEGEND**
- ① REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
  - ② INSTALL PROP. FIBER OPTIC CABLE
  - ③ INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
  - ④ REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE, ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
  - ⑤ ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE

INTERSECTION TO BE RECONSTRUCTED BY OTHERS



**IDOT CENTRACS  
SUBSYSTEM ECON 156**

MODEL: Location C - Sheet 3  
FILE NAME: X:\Projects\2023\382\19700 IDOT PTB 207-004 Var TS\24009 c\MAQ Int 1\CADD Data\Sheets\ID621W83-shf-Interconnect.dgn

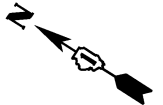
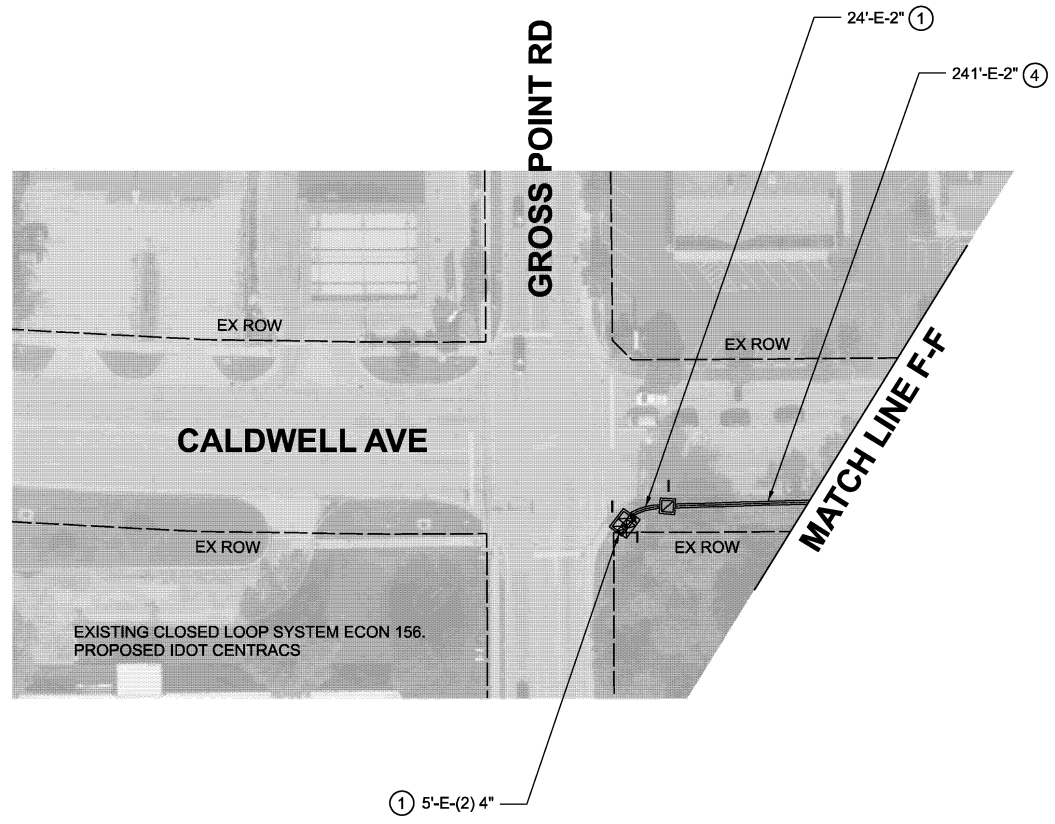


USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

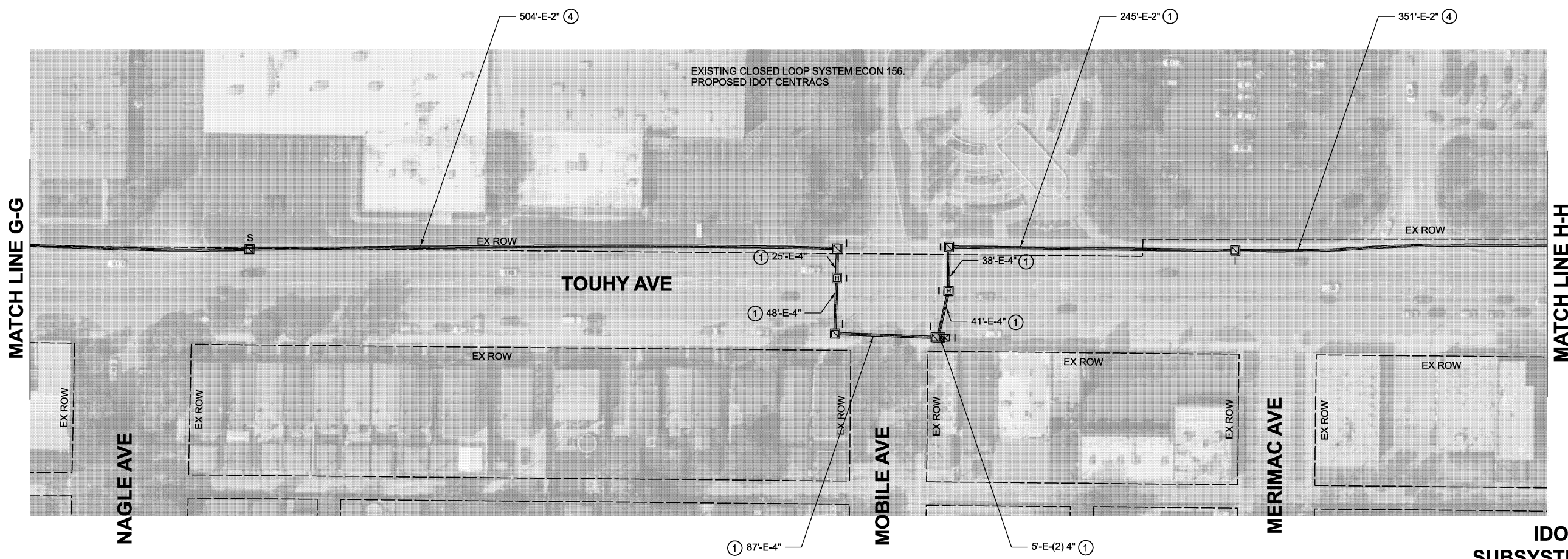
**INTERCONNECT PLAN - AREA 3  
TOUHY AVE FROM LE CLAIRE AVE TO IL RTE 50 (CICERO AVE)**  
SCALE: 1"=50' SHEET 3 OF 11 SHEETS STA. 0+00.00 TO STA. 32+01.04

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	69
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- ① REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ② INSTALL PROP. FIBER OPTIC CABLE
- ③ INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ④ REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE, ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ⑤ ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE



**IDOT CENTRACS  
SUBSYSTEM ECON 156**

MODEL: Location C - Sheet 4  
FILE NAME: X:\Projects\2023\38219700 IDOT PTB 207-004 Var TS24009 cMAQ Int 1\CADD Data\Sheets\IDOT\621W83-ah-interconnect.dgn



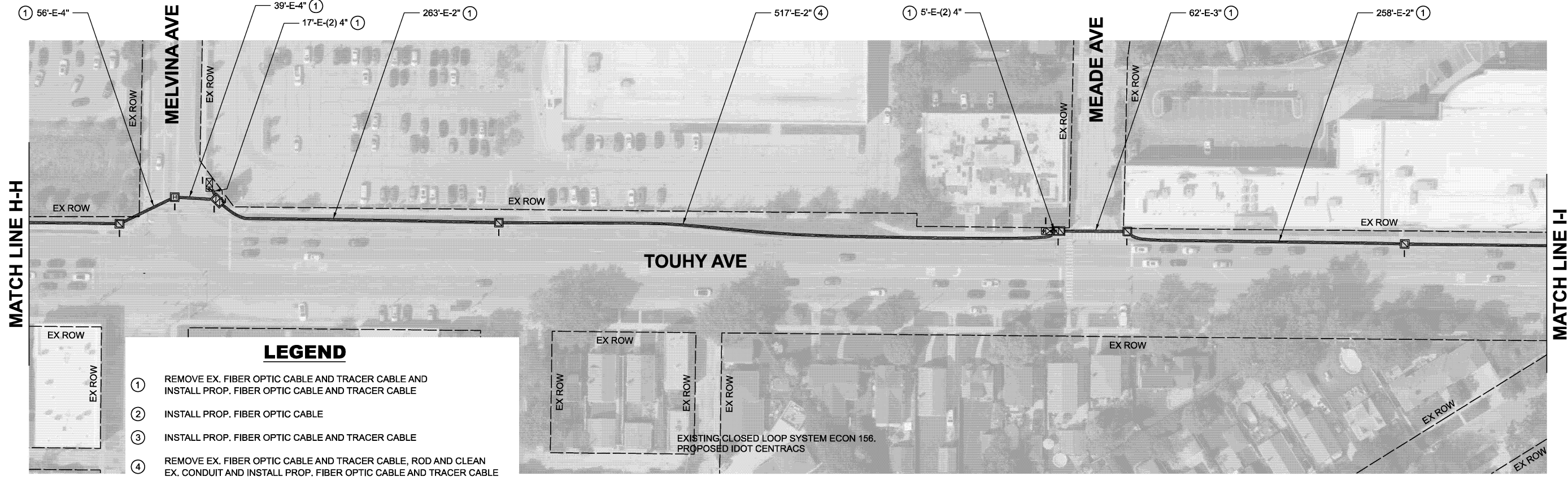
USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - AREA 3  
TOUHY AVE FROM LE CLAIRE AVE TO IL RTE 50 (CICERO AVE)**

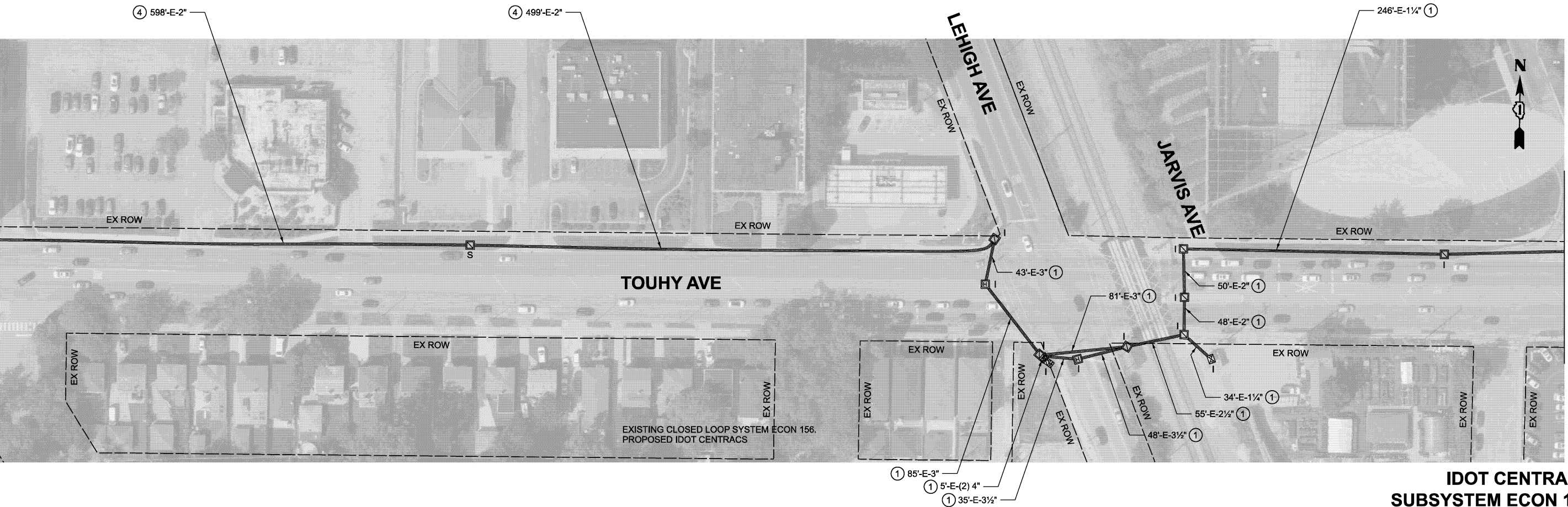
SCALE: 1"=50' SHEET 4 OF 11 SHEETS STA. 0+00.00 TO STA. 11+97.01

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	70
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W83	



- LEGEND**
- ① REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
  - ② INSTALL PROP. FIBER OPTIC CABLE
  - ③ INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
  - ④ REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE, ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
  - ⑤ ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE

EXISTING CLOSED LOOP SYSTEM ECON 156.  
PROPOSED IDOT CENTRACS



EXISTING CLOSED LOOP SYSTEM ECON 156.  
PROPOSED IDOT CENTRACS

**IDOT CENTRACS  
SUBSYSTEM ECON 156**

MODEL: Location C - Sheet 5  
FILE NAME: X:\Projects\2023\38219700 IDOT PTB 207-004 Var-TS24009 cMAQ Int 1\CADD Data\Sheets\621W83-sh1-interconnect.dgn



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

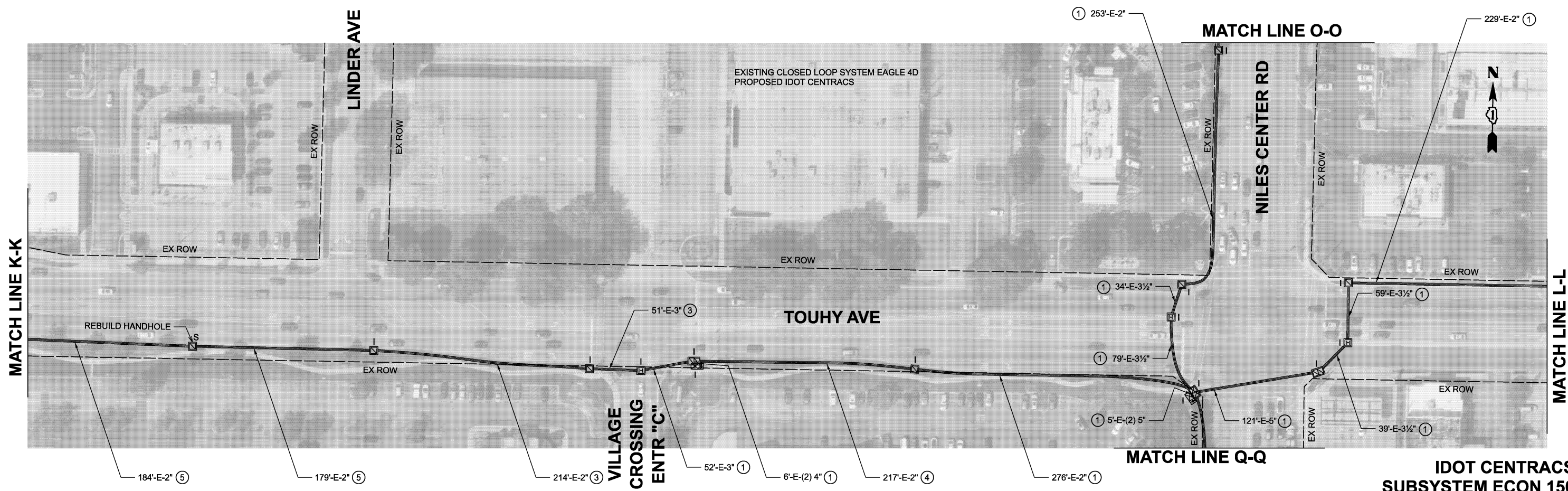
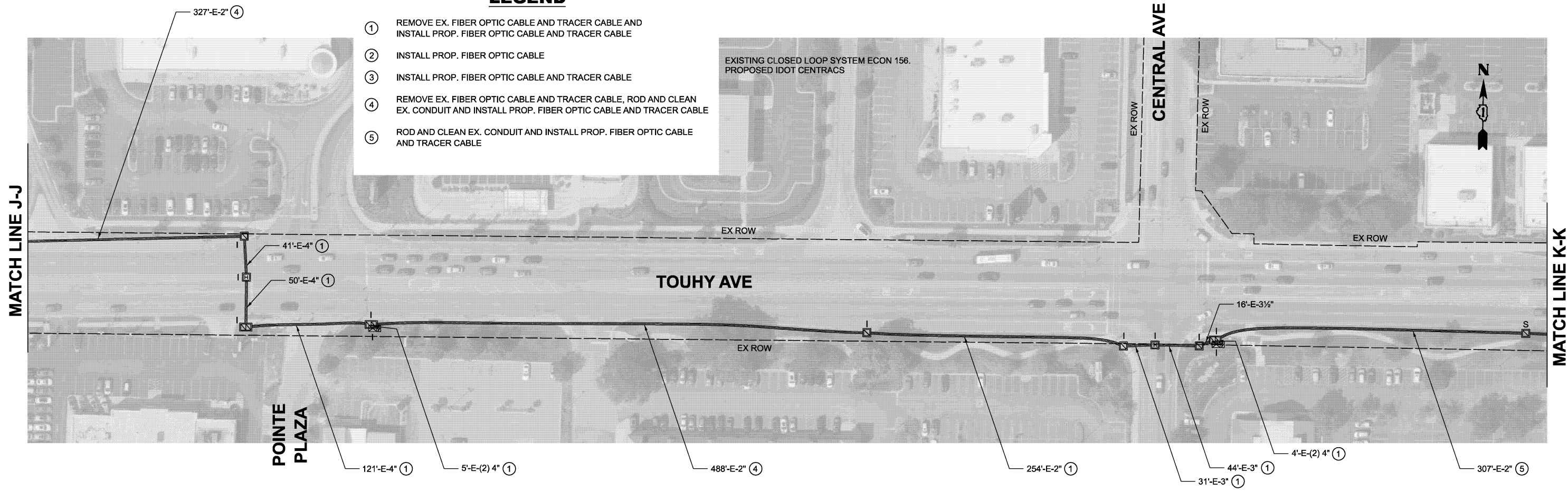
**INTERCONNECT PLAN - AREA 3  
TOUHY AVE FROM LE CLAIRE AVE TO IL RTE 50 (CICERO AVE)**

SCALE: 1"=50' SHEET 5 OF 11 SHEETS STA. 0+00.00 TO STA. 32+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	71
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

**LEGEND**

- ① REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ② INSTALL PROP. FIBER OPTIC CABLE
- ③ INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ④ REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE, ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ⑤ ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE



**IDOT CENTRACS  
SUBSYSTEM ECON 156**

MODEL: Location C - Sheet 6  
FILE NAME: X:\projects\2023\38219700\IDOT PTB 207-004 Var-TS24009 c\MAQ Int 1\CADD Data\Sheets\IDOT\621W83-shr-interconnect.dgn



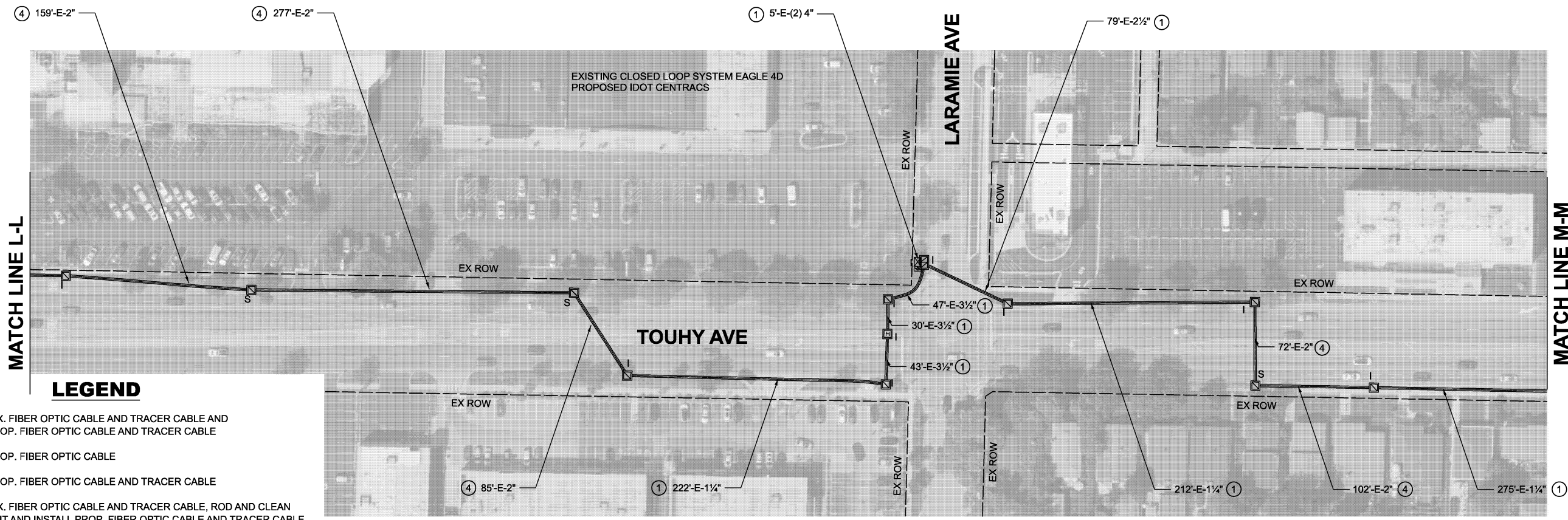
USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - AREA 3  
TOUHY AVE FROM LE CLAIRE AVE TO IL RTE 50 (CICERO AVE)**

SCALE: 1"=50'    SHEET 6 OF 11 SHEETS    STA. 0+00.00 TO STA. 34+00.00

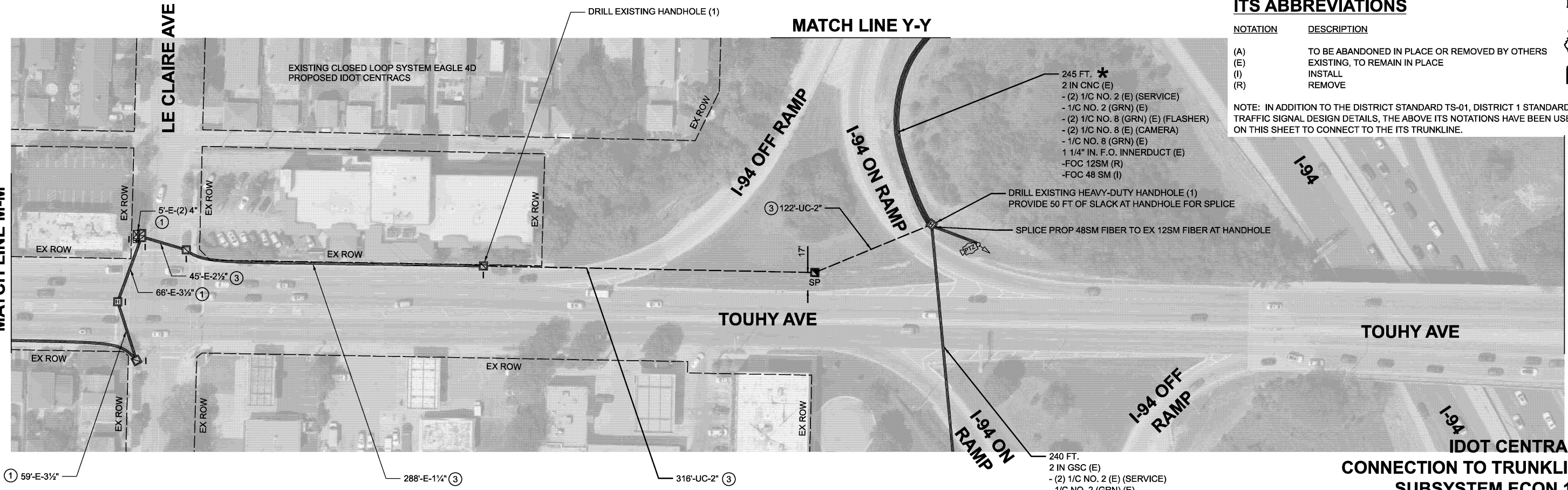
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
VAR	2024-957-TS	COOK	92
			SHEET NO. 72
CONTRACT NO. 62W83			
ILLINOIS FED. AID PROJECT			



**LEGEND**

- ① REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ② INSTALL PROP. FIBER OPTIC CABLE
- ③ INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ④ REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE, ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ⑤ ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE

\* WORK AT THIS LOCATION INCLUDES REMOVAL OF EXISTING 12SM FIBER AND INSTALLATION OF 48SM FIBER ONLY. ALL OTHER FIBER TO REMAIN AND BE PROTECTED FROM DAMAGE. MEADE SURVEILLANCE SHALL BE PRESENT TO WATCH AND PROTECT TSC FIBER DURING THESE EFFORTS.



**ITS ABBREVIATIONS**

NOTATION	DESCRIPTION
(A)	TO BE ABANDONED IN PLACE OR REMOVED BY OTHERS
(E)	EXISTING, TO REMAIN IN PLACE
(I)	INSTALL
(R)	REMOVE

NOTE: IN ADDITION TO THE DISTRICT STANDARD TS-01, DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS, THE ABOVE ITS NOTATIONS HAVE BEEN USED ON THIS SHEET TO CONNECT TO THE ITS TRUNKLINE.



MODEL: Location C - Sheet 7  
FILE NAME: X:\Projects\2023\38219700 IDOT PTB 207-004 Var-TS24009 cMAQ Int 1\CADD Data\Sheets\ID621W83-ehf-Interconnect.dgn



USER NAME =	dwiktorzak
DESIGNED -	ZH
DRAWN -	RG
CHECKED -	DW
PLOT DATE =	3/21/2026

DESIGNED -	ZH	REVISED -	
DRAWN -	RG	REVISED -	
CHECKED -	DW	REVISED -	
DATE -		REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - AREA 3  
TOUHY AVE FROM LE CLAIRE AVE TO IL RTE 50 (CICERO AVE)**

SCALE: SHEET 7 OF 11 SHEETS STA. 0+00.00 TO STA. 30+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	73
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

**IDOT CENTRACS  
CONNECTION TO TRUNKLINE  
SUBSYSTEM ECON 156**

# LEGEND

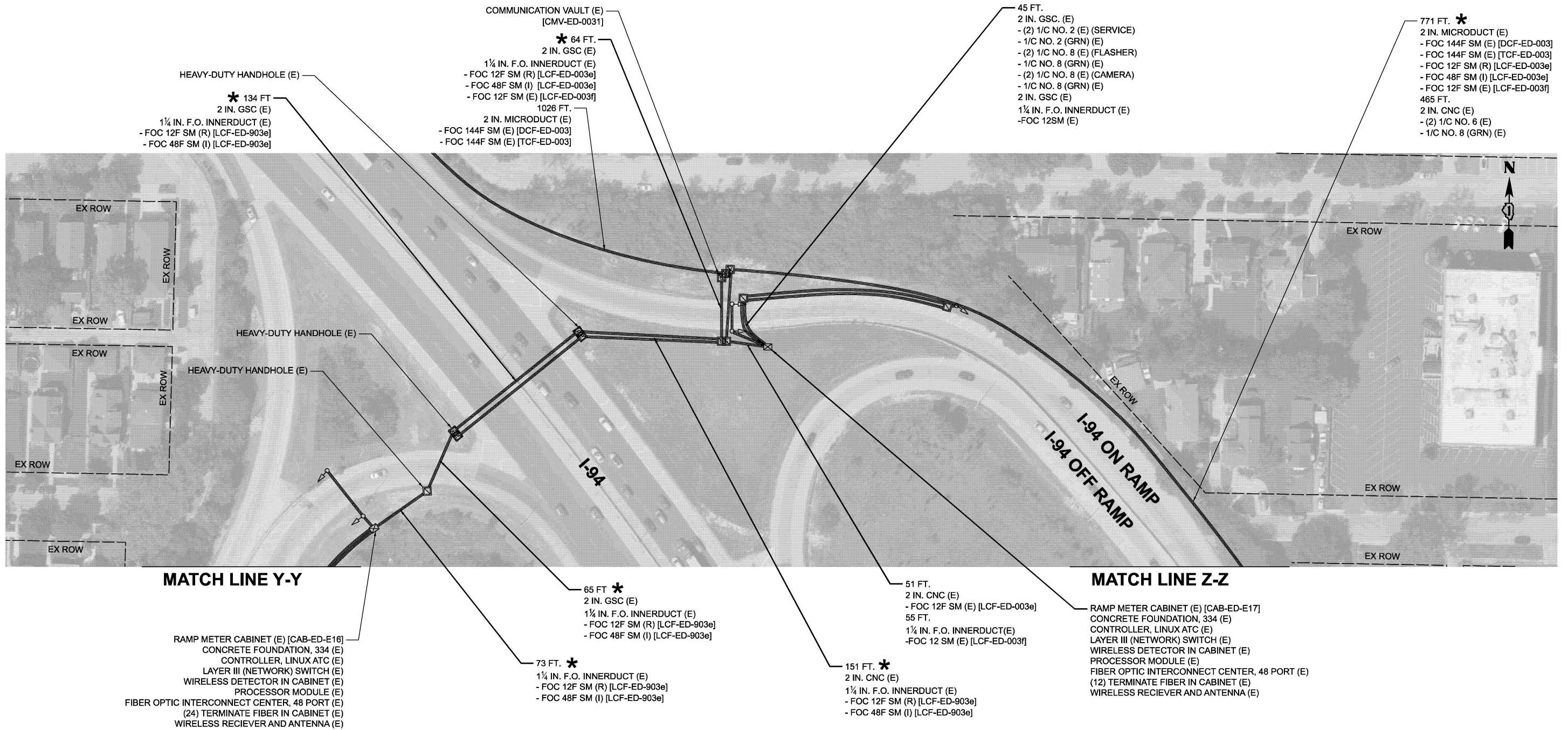
- ① REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ② INSTALL PROP. FIBER OPTIC CABLE
- ③ INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ④ REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE, ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ⑤ ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE

# ITS ABBREVIATIONS

NOTATION	DESCRIPTION
(A)	TO BE ABANDONED IN PLACE OR REMOVED BY OTHERS
(E)	EXISTING, TO REMAIN IN PLACE
(I)	INSTALL
(R)	REMOVE

NOTE: IN ADDITION TO THE DISTRICT STANDARD TS-01, DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS, THE ABOVE ITS NOTATIONS HAVE BEEN USED ON THIS SHEET TO CONNECT TO THE ITS TRUNKLINE.

\* WORK AT THIS LOCATION INCLUDES REMOVAL OF EXISTING 12SM FIBER AND INSTALLATION OF 48SM FIBER ONLY. ALL OTHER FIBER TO REMAIN AND BE PROTECTED FROM DAMAGE. MEADE SURVEILLANCE SHALL BE PRESENT TO WATCH AND PROTECT TSC FIBER DURING THESE EFFORTS.



## IDOT CENTRACS AND IDOT TACTICS CONNECTION TO TRUNKLINE SUBSYSTEM ECON 156 & EAGLE 1L

MODEL: Location C - Sheet 8  
FILE NAME: X:\Projects\2023\2382\219700\DOT PTB 207-004 Var-TS24009 cMAQ Int 1\CADD Data\Sheets\IDOT\219700-eh-Interconnect.dgn



USER NAME = dwiktorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

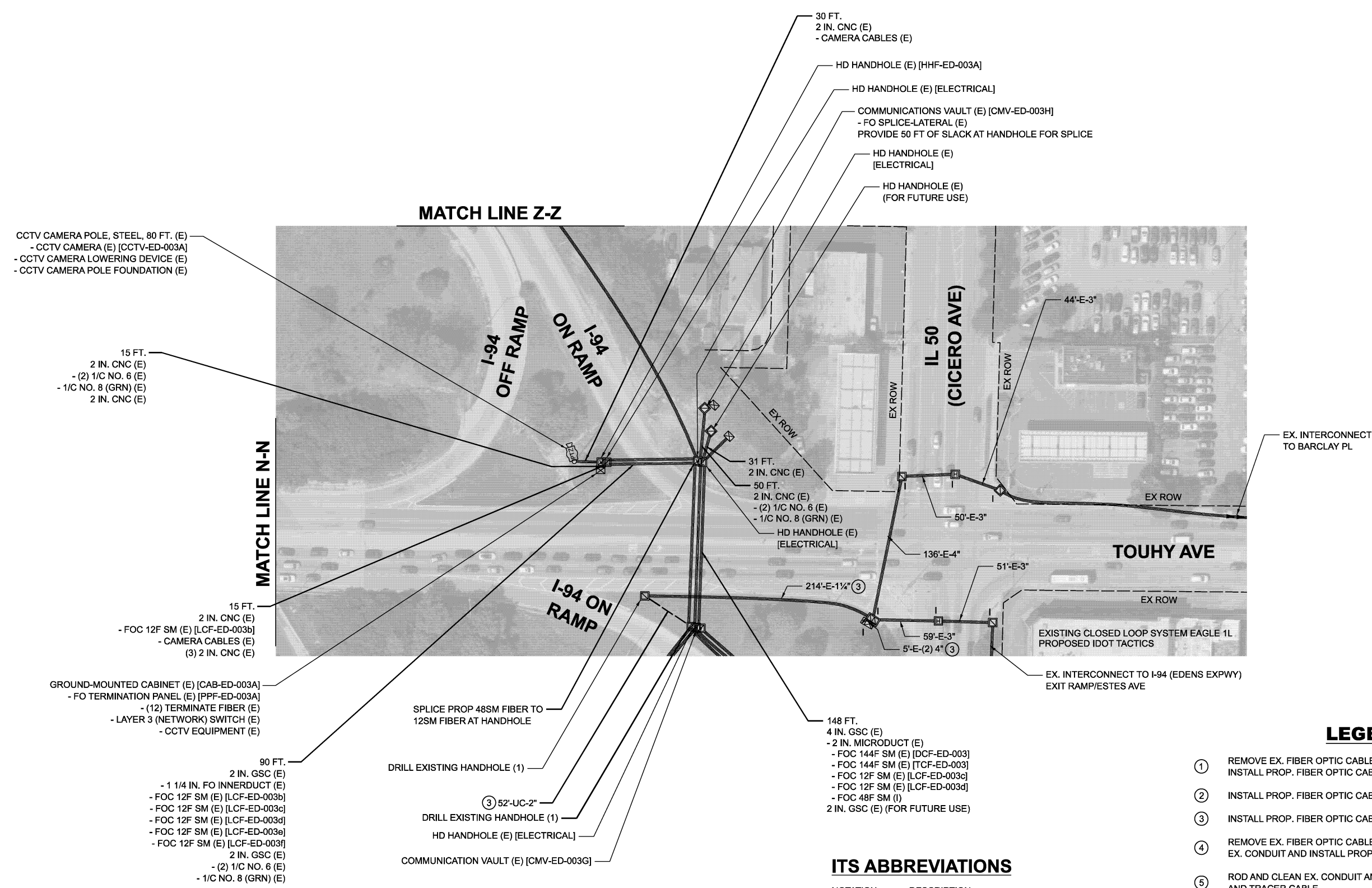
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN - AREA 3  
TOUHY AVE FROM LE CLAIRE AVE TO IL RTE 50 (CICERO AVE)

SCALE: SHEET 8 OF 11 SHEETS STA. 0+00.00 TO STA. 34+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	74
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

MODEL: Location C - Sheet 8a  
 FILE NAME: X:\Projects\2023\3382\19700\DOT PTB 207-004 Var-TS\24009 cMAQ Int.1\CADD Data\Sheets\621W83-eh-interconnect.dgn



CCTV CAMERA POLE, STEEL, 80 FT. (E)  
 - CCTV CAMERA (E) [CCTV-ED-003A]  
 - CCTV CAMERA LOWERING DEVICE (E)  
 - CCTV CAMERA POLE FOUNDATION (E)

15 FT.  
 2 IN. CNC (E)  
 - (2) 1/C NO. 6 (E)  
 - 1/C NO. 8 (GRN) (E)  
 2 IN. CNC (E)

15 FT.  
 2 IN. CNC (E)  
 - FOC 12F SM (E) [LCF-ED-003b]  
 - CAMERA CABLES (E)  
 (3) 2 IN. CNC (E)

GROUND-MOUNTED CABINET (E) [CAB-ED-003A]  
 - FO TERMINATION PANEL (E) [PPF-ED-003A]  
 - (12) TERMINATE FIBER (E)  
 - LAYER 3 (NETWORK) SWITCH (E)  
 - CCTV EQUIPMENT (E)

90 FT.  
 2 IN. GSC (E)  
 - 1 1/4 IN. FO INNERDUCT (E)  
 - FOC 12F SM (E) [LCF-ED-003b]  
 - FOC 12F SM (E) [LCF-ED-003c]  
 - FOC 12F SM (E) [LCF-ED-003d]  
 - FOC 12F SM (E) [LCF-ED-003e]  
 - FOC 12F SM (E) [LCF-ED-003f]  
 2 IN. GSC (E)  
 - (2) 1/C NO. 6 (E)  
 - 1/C NO. 8 (GRN) (E)

SPLICE PROP 48SM FIBER TO  
 12SM FIBER AT HANDHOLE

DRILL EXISTING HANDHOLE (1)

③ 52'-UC-2"

DRILL EXISTING HANDHOLE (1)

HD HANDHOLE (E) [ELECTRICAL]

COMMUNICATION VAULT (E) [CMV-ED-003G]

30 FT.  
 2 IN. CNC (E)  
 - CAMERA CABLES (E)

HD HANDHOLE (E) [HHF-ED-003A]

HD HANDHOLE (E) [ELECTRICAL]

COMMUNICATIONS VAULT (E) [CMV-ED-003H]  
 - FO SPLICE-LATERAL (E)  
 PROVIDE 50 FT OF SLACK AT HANDHOLE FOR SPLICE

HD HANDHOLE (E)  
 [ELECTRICAL]

HD HANDHOLE (E)  
 (FOR FUTURE USE)

31 FT.  
 2 IN. CNC (E)  
 50 FT.  
 2 IN. CNC (E)  
 - (2) 1/C NO. 6 (E)  
 - 1/C NO. 8 (GRN) (E)  
 HD HANDHOLE (E)  
 [ELECTRICAL]

148 FT.  
 4 IN. GSC (E)  
 - 2 IN. MICRODUCT (E)  
 - FOC 144F SM (E) [DCF-ED-003]  
 - FOC 144F SM (E) [TCF-ED-003]  
 - FOC 12F SM (E) [LCF-ED-003c]  
 - FOC 12F SM (E) [LCF-ED-003d]  
 - FOC 48F SM (I)  
 2 IN. GSC (E) (FOR FUTURE USE)

**ITS ABBREVIATIONS**

NOTATION	DESCRIPTION
(A)	TO BE ABANDONED IN PLACE OR REMOVED BY OTHERS
(E)	EXISTING, TO REMAIN IN PLACE
(I)	INSTALL
(R)	REMOVE

NOTE: IN ADDITION TO THE DISTRICT STANDARD TS-01, DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS, THE ABOVE ITS NOTATIONS HAVE BEEN USED ON THIS SHEET TO CONNECT TO THE ITS TRUNKLINE.

**LEGEND**

- ① REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ② INSTALL PROP. FIBER OPTIC CABLE
- ③ INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ④ REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE, ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ⑤ ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE

**IDOT CENTRACS AND IDOT TACTICS  
 CONNECTION TO TRUNKLINE  
 SUBSYSTEM ECON 156 & EAGLE 1L**



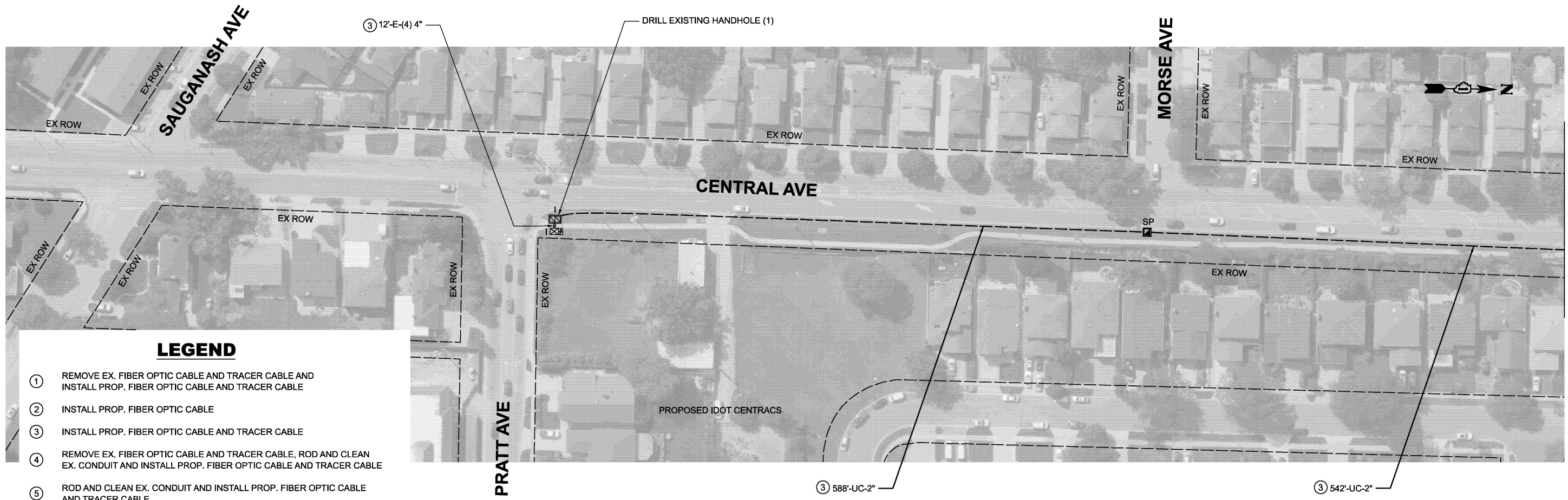
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	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

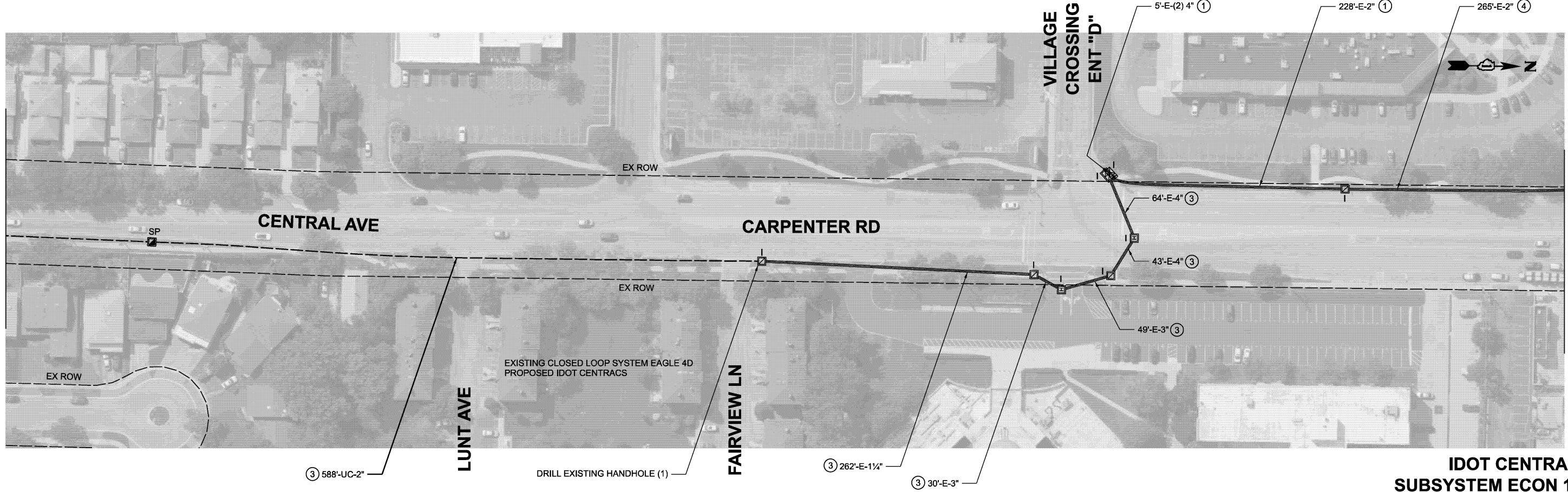
**INTERCONNECT PLAN - AREA 3  
 TOUHY AVE FROM LE CLAIRE AVE TO IL RTE 50 (CICERO AVE)**

SCALE: SHEET 9 OF 11 SHEETS STA. 0+00.00 TO STA. 34+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	75
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- ① REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
  - ② INSTALL PROP. FIBER OPTIC CABLE
  - ③ INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
  - ④ REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE, ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
  - ⑤ ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE



MODEL: Location C - Sheet 9  
 FILE NAME: X:\Projects\2023\382219700\IDOT\PTB 207-004 Var-TS\24009 c\MAQ Int 1\CADD Data\Sheets\ID 621W83-eh-Interconnect.dgn



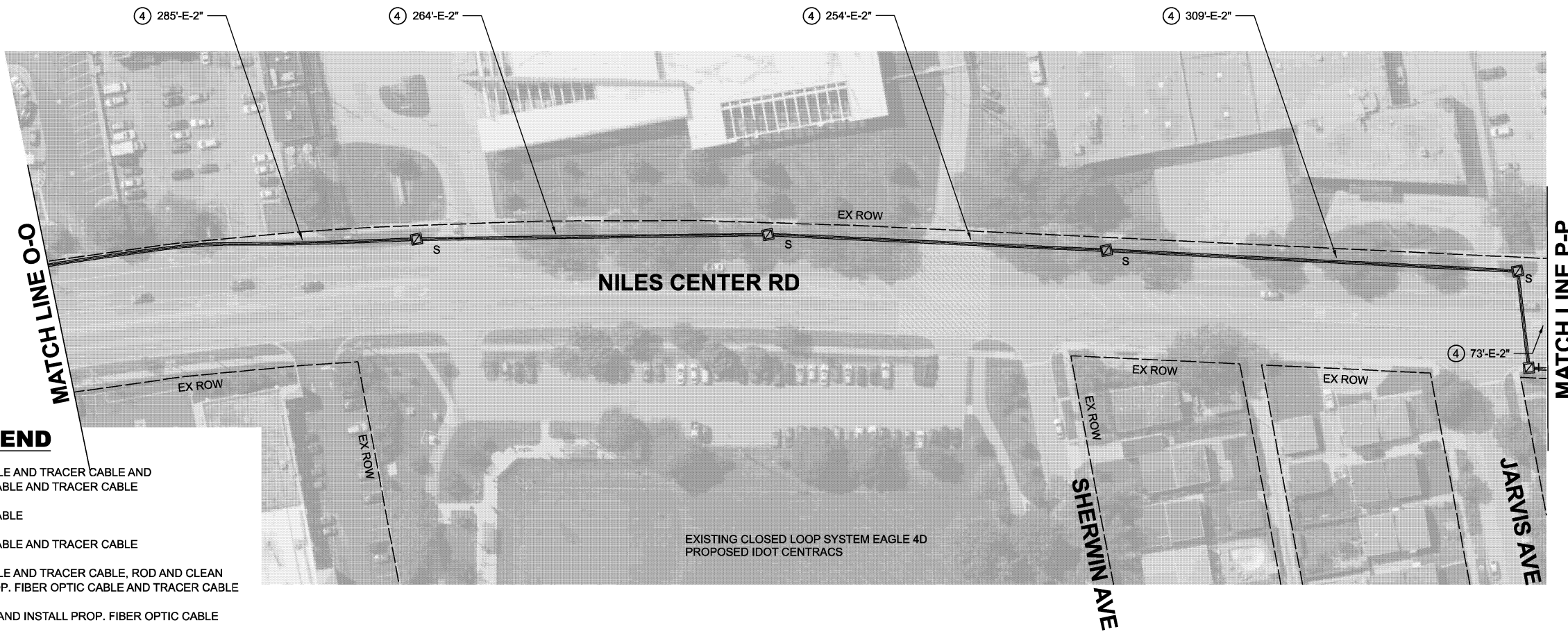
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	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**INTERCONNECT PLAN - AREA 3**  
**TOUHY AVE FROM LE CLAIRE AVE TO IL RTE 50 (CICERO AVE)**  
 SCALE: 1"=50' SHEET 10 OF 11 SHEETS STA. 0+00.00 TO STA. 0+00.00

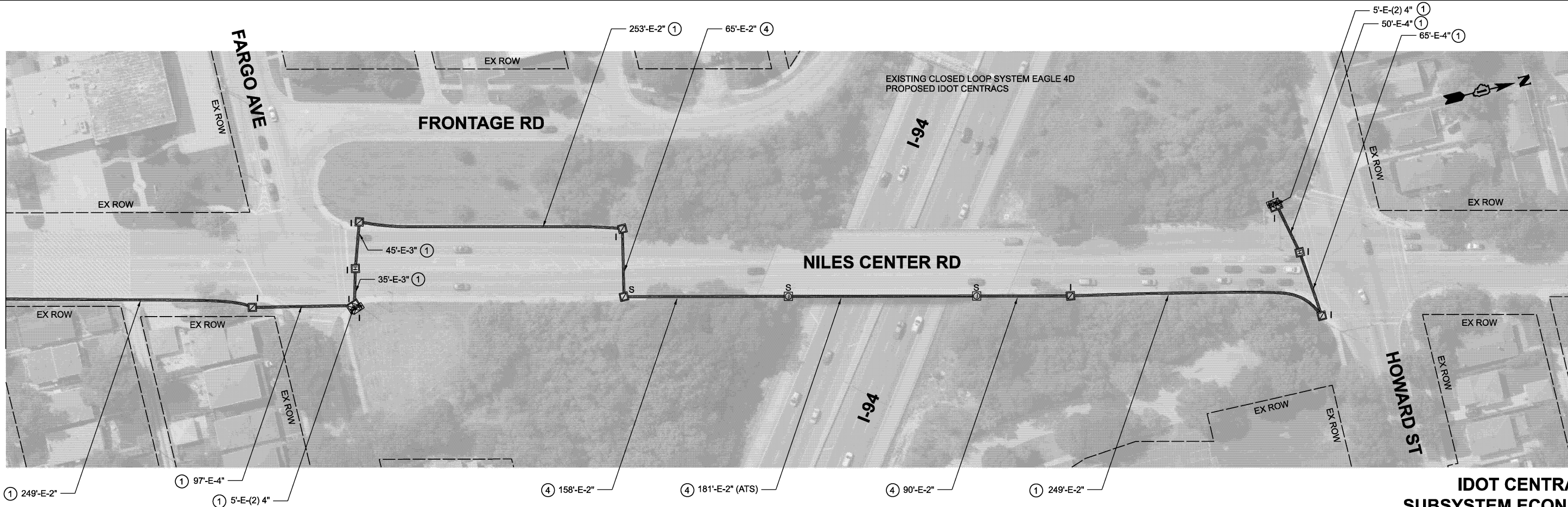
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	76
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

**IDOT CENTRACS  
SUBSYSTEM ECON 156**



**LEGEND**

- ① REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ② INSTALL PROP. FIBER OPTIC CABLE
- ③ INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ④ REMOVE EX. FIBER OPTIC CABLE AND TRACER CABLE, ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE
- ⑤ ROD AND CLEAN EX. CONDUIT AND INSTALL PROP. FIBER OPTIC CABLE AND TRACER CABLE



**IDOT CENTRACS  
SUBSYSTEM ECON 156**

MODEL: Location C - Sheet 10  
FILE NAME: X:\Projects\2023\382219700\IDOT\_PTB\_207-004\_Ver-TS\24009 c\MAQ\_int\1\CADD Data\Sheets\IDOT\621W83-shr-interconnect.dgn



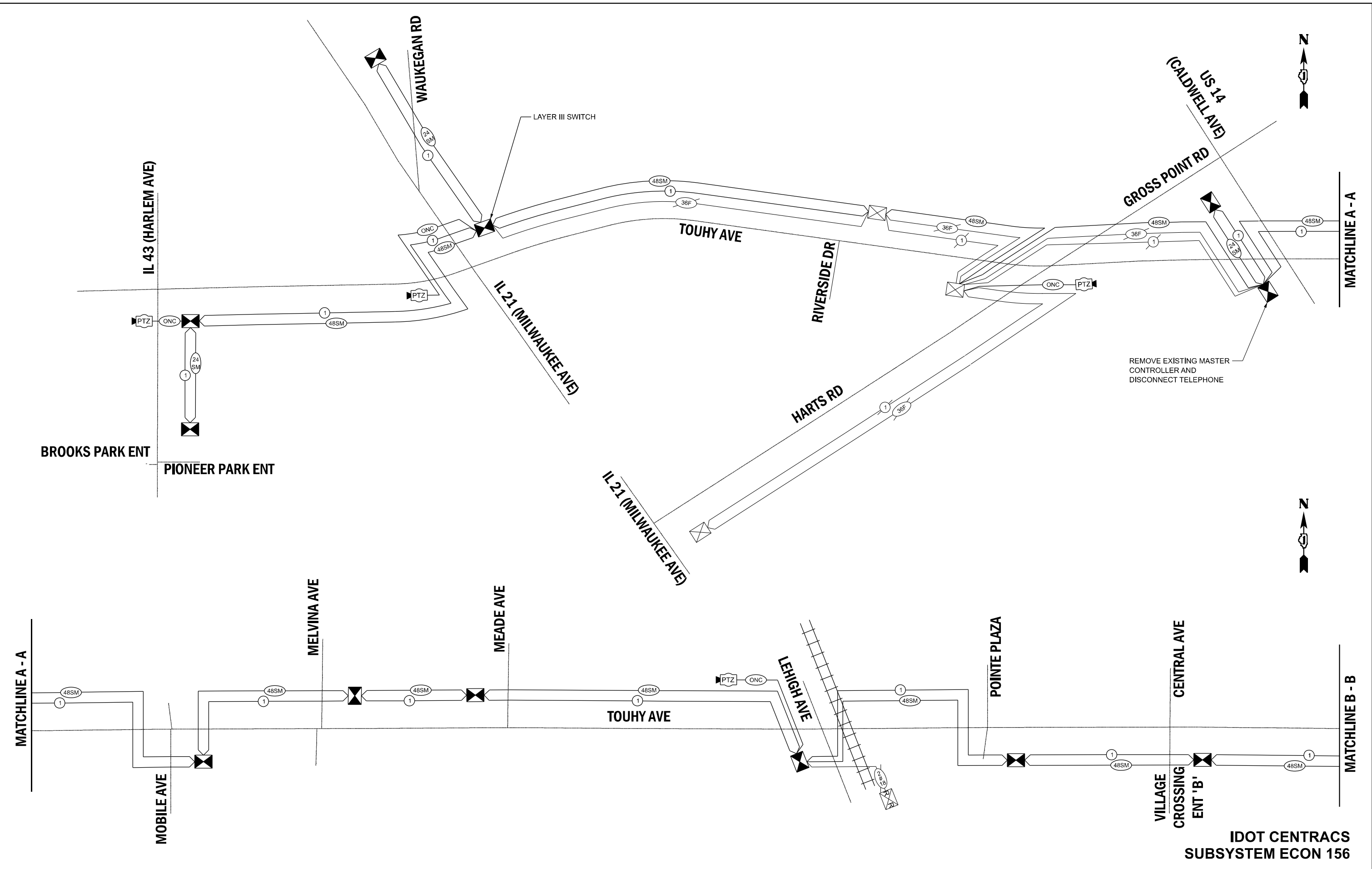
USER NAME = zhoerbert	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 5/1/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN - AREA 3  
TOUHY AVE FROM LE CLAIRE AVE TO IL RTE 50 (CICERO AVE)**  
SCALE: 1"=50' SHEET 11 OF 11 SHEETS STA. 0+00.00 TO STA. 26+33.01

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	93	77
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

MODEL: Loc C Sheet 1  
 FILE NAME: X:\Projects\2023\2382\19700\DOT\PTB\_207-004\_Var\TS\24009\_CMAQ\_Int\1\CADD\Data\Sheets\ID\62W83-shi-Int-schem.dgn



**IDOT CENTRACS  
 SUBSYSTEM ECON 156**



USER NAME = dwtorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC - AREA 3  
 TOUHY AVE FROM IL RTE 43 TO KOSTNER AVE**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	78
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

MODEL: Loc C Sheet 2  
 FILE NAME: X:\Projects\2023\2382\19700\IDOT PTB 207-004 Var TS24009 CMAQ Int 1\CADD Data\Sheets\ID621W83-sh1-int-schem.dgn



USER NAME = dwtorzak	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 3/21/2026	DATE -	REVISED -

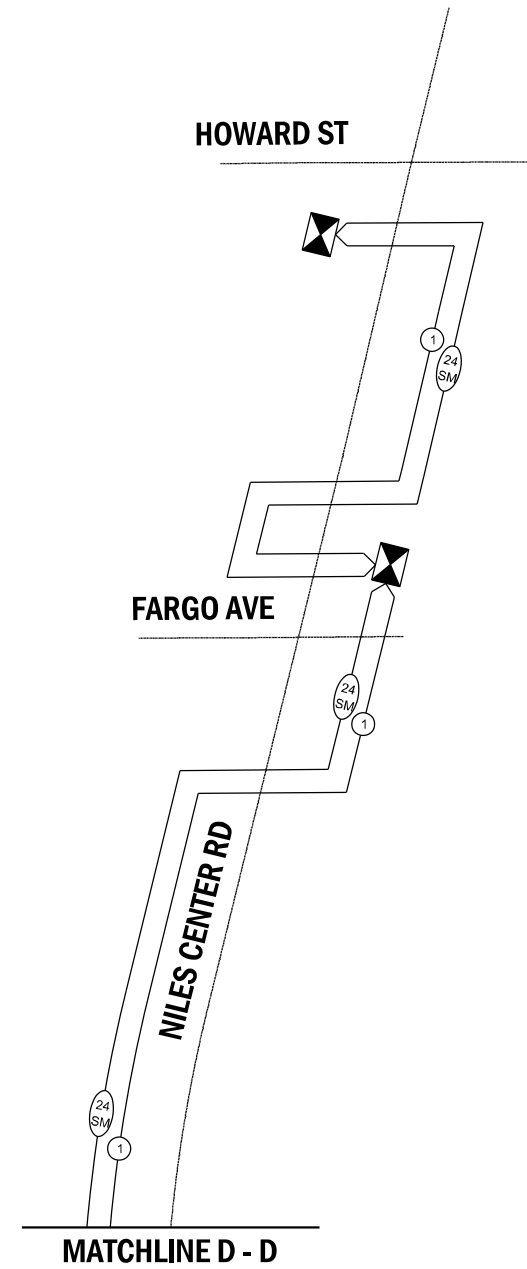
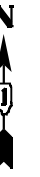
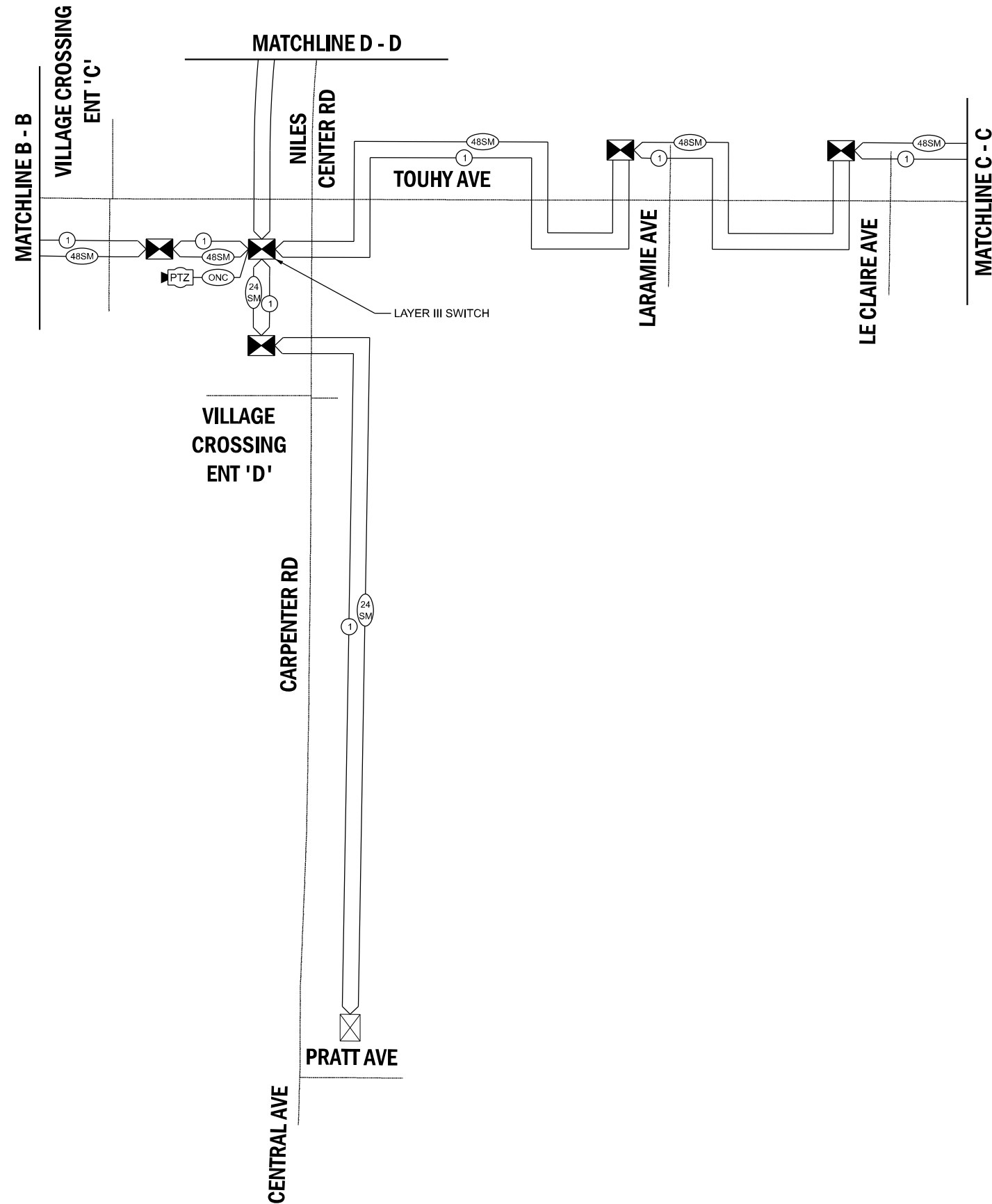
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

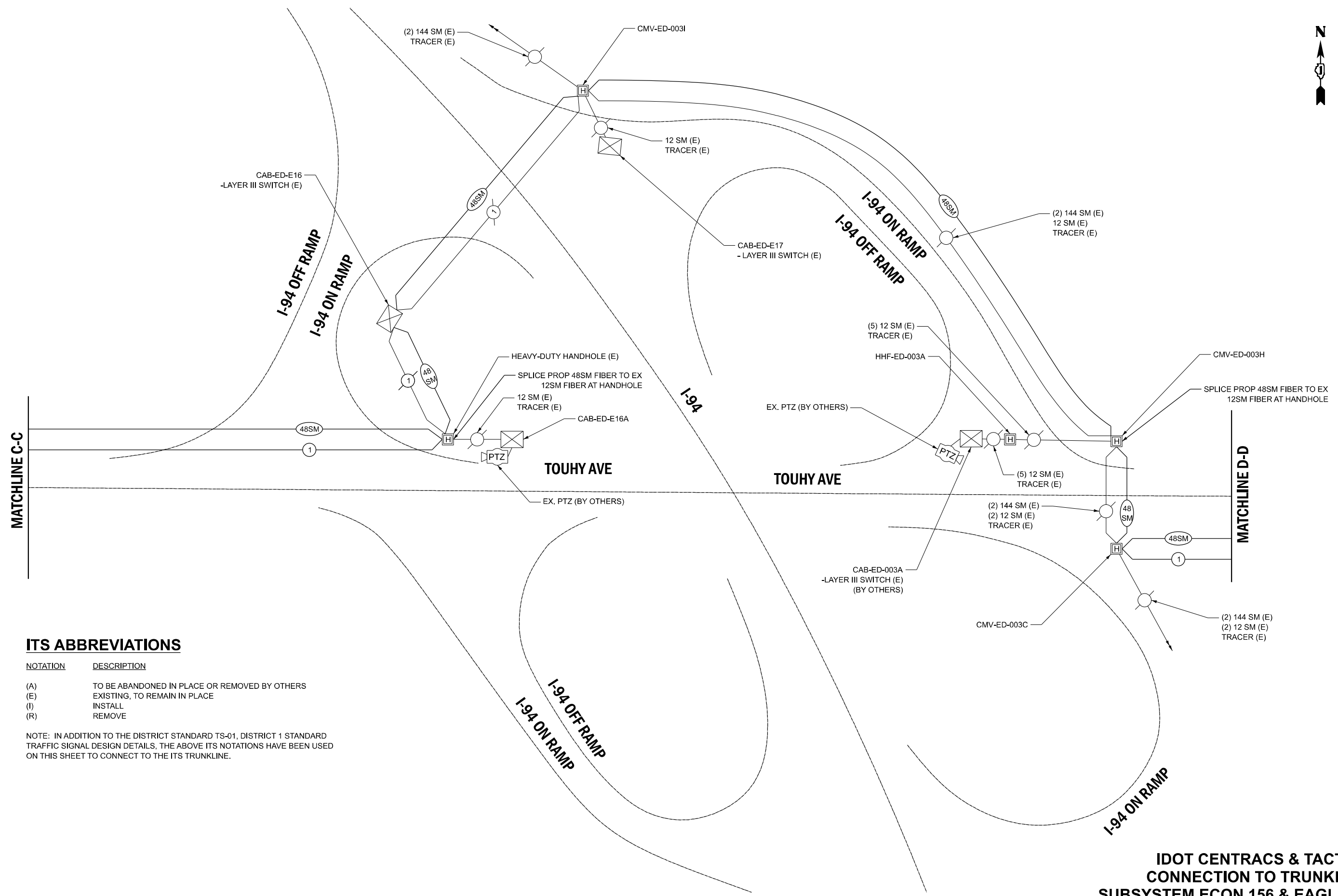
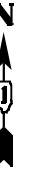
INTERCONNECT SCHEMATIC - AREA 3  
 TOUHY AVE FROM IL RTE 43 TO KOSTNER AVE

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	79
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

IDOT CENTRACS  
 SUBSYSTEM ECON 156





**ITS ABBREVIATIONS**

NOTATION	DESCRIPTION
(A)	TO BE ABANDONED IN PLACE OR REMOVED BY OTHERS
(E)	EXISTING, TO REMAIN IN PLACE
(I)	INSTALL
(R)	REMOVE

NOTE: IN ADDITION TO THE DISTRICT STANDARD TS-01, DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS, THE ABOVE ITS NOTATIONS HAVE BEEN USED ON THIS SHEET TO CONNECT TO THE ITS TRUNKLINE.

MODEL: Loc C Sheet 3  
 FILE NAME: X:\Projects\2023\2382\219700\IDOT PTB 207-004 Var TS\24009 CMAQ Int 1\CADD Data\Sheets\ID 62W83-shi-Int-schem.dgn



USER NAME =	dwtorzak	DESIGNED -	ZH	REVISED -	
		DRAWN -	RG	REVISED -	
		CHECKED -	DW	REVISED -	
PLOT DATE =	3/21/2026	DATE -		REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

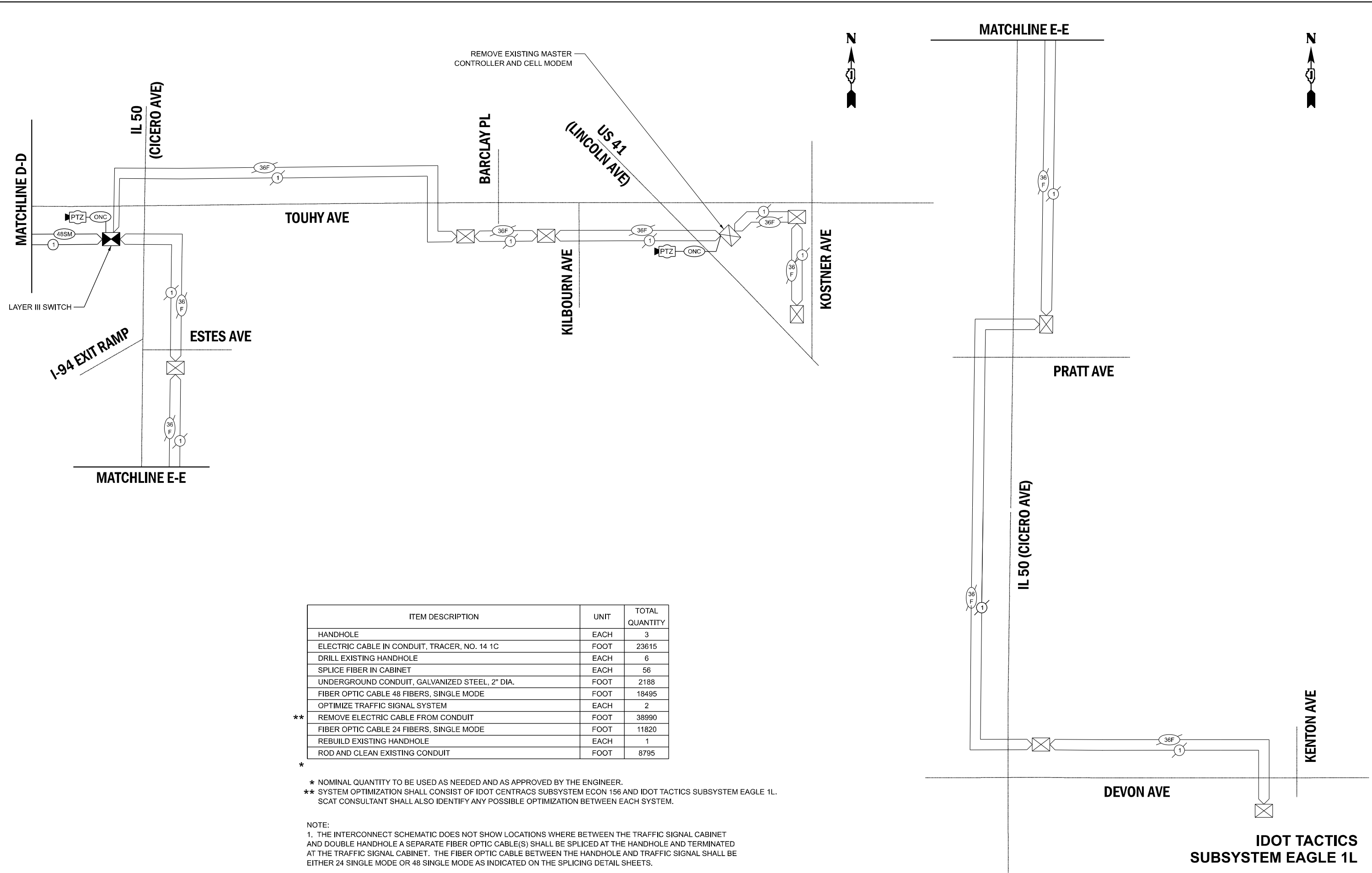
**INTERCONNECT SCHEMATIC - AREA 3  
TOUHY AVE FROM IL RTE 43 TO KOSTNER AVE**

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	80
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62W83	

**IDOT CENTRACS & TACTICS  
CONNECTION TO TRUNKLINE  
SUBSYSTEM ECON 156 & EAGLE 1L**

MODEL: I:\Loc C Sheet 4  
 FILE NAME: X:\Projects\2024\219700 IDOT PTB 207-004 Var TS24009 CMAQ Int 1\CADD Data\Sheets\621W83-shit-nt-schem.dgn



ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
HANDHOLE	EACH	3
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	23615
DRILL EXISTING HANDHOLE	EACH	6
SPLICE FIBER IN CABINET	EACH	56
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2188
FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	18495
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	2
** REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	38990
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	11820
REBUILD EXISTING HANDHOLE	EACH	1
ROD AND CLEAN EXISTING CONDUIT	FOOT	8795

\* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER.  
 \*\* SYSTEM OPTIMIZATION SHALL CONSIST OF IDOT CENTRACS SUBSYSTEM ECON 156 AND IDOT TACTICS SUBSYSTEM EAGLE 1L. SCAT CONSULTANT SHALL ALSO IDENTIFY ANY POSSIBLE OPTIMIZATION BETWEEN EACH SYSTEM.

NOTE:  
 1. THE INTERCONNECT SCHEMATIC DOES NOT SHOW LOCATIONS WHERE BETWEEN THE TRAFFIC SIGNAL CABINET AND DOUBLE HANDHOLE A SEPARATE FIBER OPTIC CABLE(S) SHALL BE SPLICED AT THE HANDHOLE AND TERMINATED AT THE TRAFFIC SIGNAL CABINET. THE FIBER OPTIC CABLE BETWEEN THE HANDHOLE AND TRAFFIC SIGNAL SHALL BE EITHER 24 SINGLE MODE OR 48 SINGLE MODE AS INDICATED ON THE SPLICING DETAIL SHEETS.



USER NAME = zhoerbert	DESIGNED - ZH	REVISED -
	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 5/1/2026	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC - AREA 3  
 TOUHY AVE FROM IL RTE 43 TO KOSTNER AVE

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	93	81
CONTRACT NO. 62W83				
ILLINOIS FED. AID PROJECT				

MODEL: ComSheet [Sheet]  
 FILE NAME: X:\Projects\2023\2382\19700\DOT\PTB\_207-004\_Ver-TS\24009\_CMAQ\_Int\_1\CADD\_Data\Sheets\1621W83-shh-ComSchedule.dgn

INTERSECTION/LOCATION	INCLUDED IN THE COST OF NEW FIBER		X1400217 TERMINATE FIBER IN CABINET EACH	X8710317 SPLICE FIBER IN CABINET EACH
	# OF TERMINATION	# OF SPLICES		
IL RTE 43/HARLEM AND PIONEER PARK (CAB)	12			
IL RTE 43/HARLEM AND PIONEER PARK (HH)		12		
TOUHY AND IL RTE 43/HARLEM (CAB)	8			
TOUHY AND IL RTE 43/HARLEM (HH)		52		
TOUHY AND IL RTE 21/MILWAUKEE (CAB)	32			
TOUHY AND IL RTE 21/MILWAUKEE (HH)		32		
TOUHY AND RIVERSIDE (CAB)	8			
TOUHY AND RIVERSIDE (HH)		52		
TOUHY AND GROSS POINT/HARTS (CAB)	8			
TOUHY AND GROSS POINT/HARTS (HH)		56		
TOUHY AND US RTE 14/CALDWELL (CAB)	8			
TOUHY AND US RTE 14/CALDWELL (HH)		56		
TOUHY AND MOBILE (CAB)	8			
TOUHY AND MOBILE (HH)		52		
TOUHY AND MELVINA (CAB)	8			
TOUHY AND MELVINA (HH)		52		
TOUHY AND MEADE (CAB)	8			
TOUHY AND MEADE (HH)		52		
TOUHY AND LEHIGH (CAB)	8			
TOUHY AND LEHIGH (HH)		52		
TOUHY AND POINTE PLAZA (CAB)	8			
TOUHY AND POINTE PLAZA (HH)		52		
TOUHY AND CENTRAL (CAB)	8			
TOUHY AND CENTRAL (HH)		52		
TOUHY AND VILLAGE CROSSING ENT. C (CAB)	8			
TOUHY AND VILLAGE CROSSING ENT. C (HH)		52		
TOUHY AND CARPENTER/NILES CENTER (CAB)	60			
TOUHY AND CARPENTER/NILES CENTER (HH)		60		
TOUHY AND LARAMIE (CAB)	8			
TOUHY AND LARAMIE (HH)		52		
TOUHY AND LE CLAIRE (CAB)	8			
TOUHY AND LE CLAIRE (HH)		52		
TOUHY AND I-94 EB ON-RAMP FLASHER HH		54		
RAMP METER CAB-ED-E16	8	42		
CMV-ED-003I		54		
CMV-ED-003H [TOUHY AND I-94 (HH)]		66		
CMV-ED-003C				
TOUHY AND IL RTE 50/CICERO (CAB)	96			
TOUHY AND IL RTE 50/CICERO (HH)		72		
TOUHY AND BARCLEY (CAB)	8			
TOUHY AND BARCLEY (HH)		8		8
TOUHY AND KILBOURN (CAB)	8			
TOUHY AND KILBOURN (HH)		8		8

INTERSECTION/LOCATION	INCLUDED IN THE COST OF NEW FIBER		X1400217 TERMINATE FIBER IN CABINET EACH	X8710317 SPLICE FIBER IN CABINET EACH
	# OF TERMINATION	# OF SPLICES		
TOUHY AND US RTE 41/LINCOLN (CAB)	8			
TOUHY AND US RTE 41/LINCOLN (HH)		8		8
TOUHY AND KOSTNER (CAB)	8			
TOUHY AND KOSTNER (HH)		8		8
US RTE 41/LINCOLN AND KOSTNER (CAB)	12			
US RTE 41/LINCOLN AND KOSTNER (HH)		12		
IL RTE 21 AND WAUKEGAN (CAB)	12			
IL RTE 21 AND WAUKEGAN (HH)		12		
IL RTE 21 AND HARTS/GROSS POINT (CAB)	8			
IL RTE 21 AND HARTS/GROSS POINT (HH)		8		
US RTE 14 AND GROSS POINT (CAB)	8			
US RTE 14 AND GROSS POINT (HH)		8		
NILES CENTER AND FARGO (CAB)	8			
NILES CENTER AND FARGO (HH)		28		
NILES CENTER AND HOWARD (CAB)	8			
NILES CENTER AND HOWARD (HH)		8		
CARPENTER AND VILLAGE CROSSING ENT. D (CAB)	8			
CARPENTER AND VILLAGE CROSSING ENT. D (HH)		28		
CENTRAL AND PRATT (CAB)	8			
CENTRAL AND PRATT (HH)		8		
IL RTE 50/CICERO AND I-94 NB OFF RAMP/ESTES (CAB)	8			
IL RTE 50/CICERO AND I-94 NB OFF RAMP/ESTES (HH)		8		8
IL RTE 50/CICERO AND PRATT (CAB)	8			
IL RTE 50/CICERO AND PRATT (HH)		8		8
IL RTE 50/CICERO AND DEVON (CAB)	8			
IL RTE 50/CICERO AND DEVON (HH)		8		8
DEVON AND KENTON/LEMONT (CAB)	12			
DEVON AND KENTON/LEMONT (HH)		12		
TOTAL	452	1256	0	56



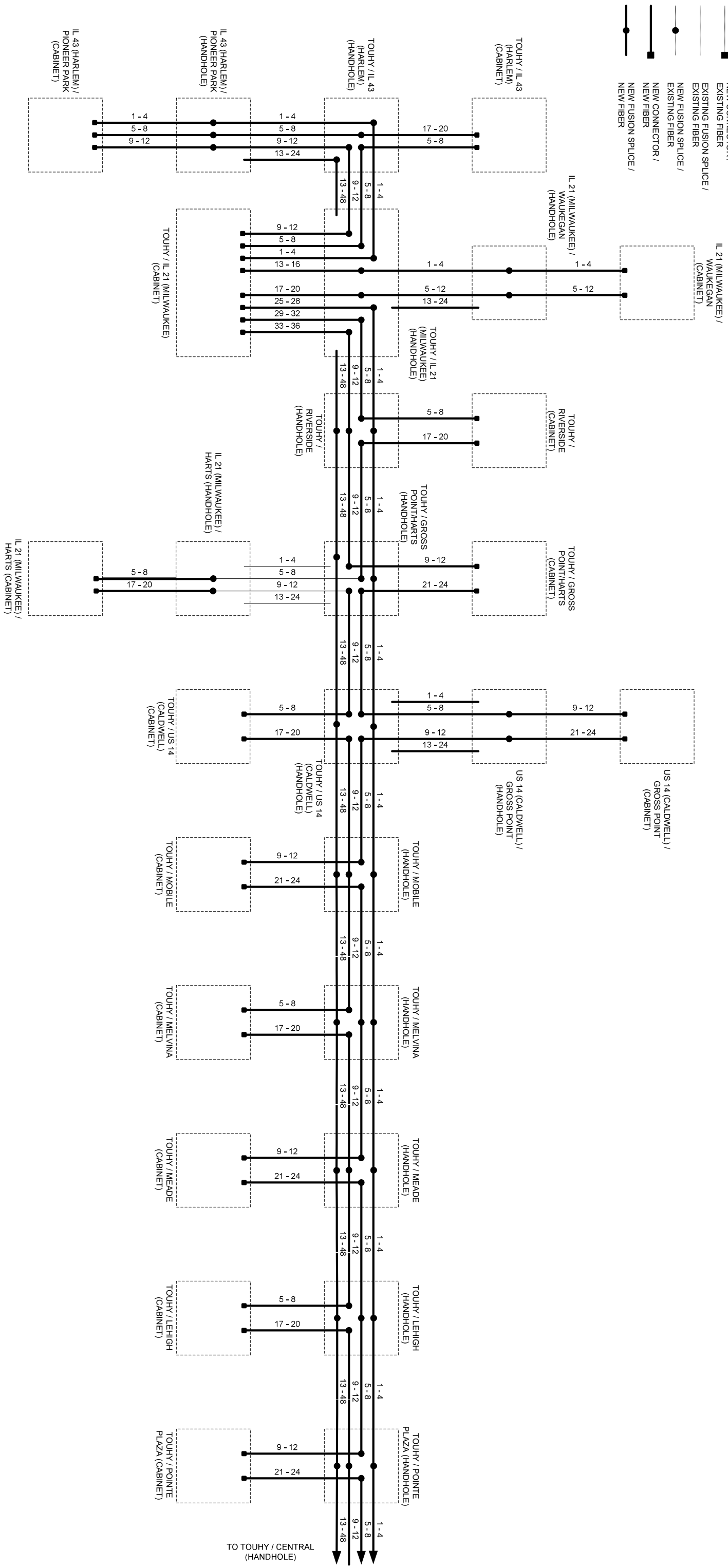
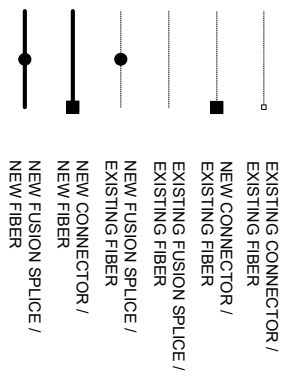
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	DRAWN - RG	REVISED -
	CHECKED - DW	REVISED -
PLOT DATE = 5/1/2026	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

COMMUNICATION PLAN SCHEDULE  
 AREA 3

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	93	82
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

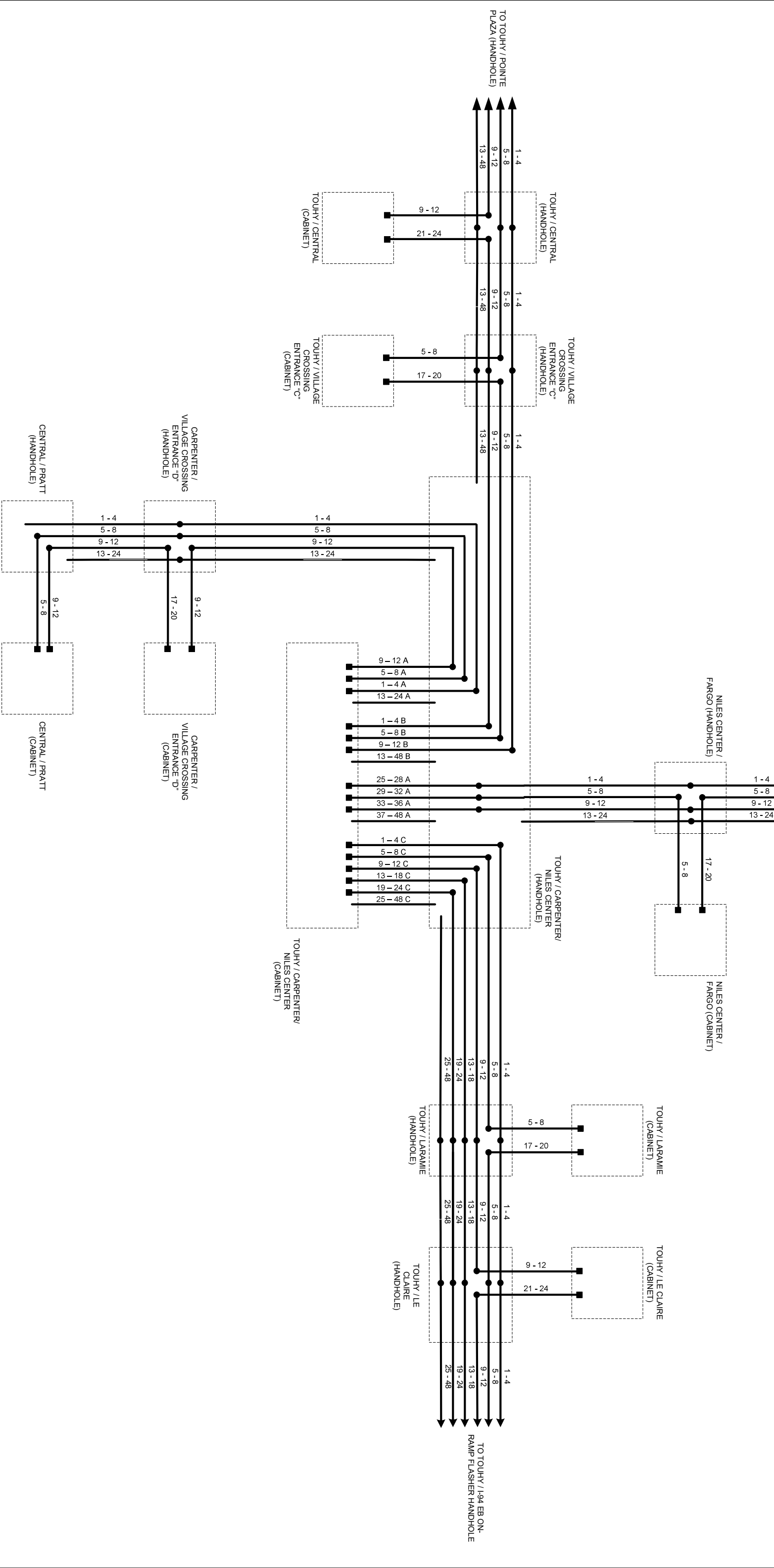
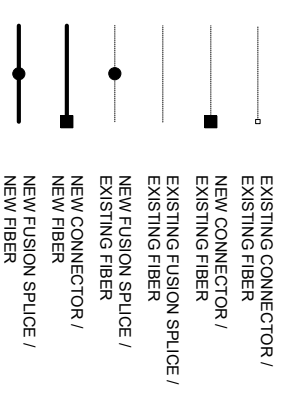


DESIGNED - AG	REVISIONS
DRAWN - AG	REVISION -
CHECKED - DG	REVISION -
DATE 2026.04.27	REVISION -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

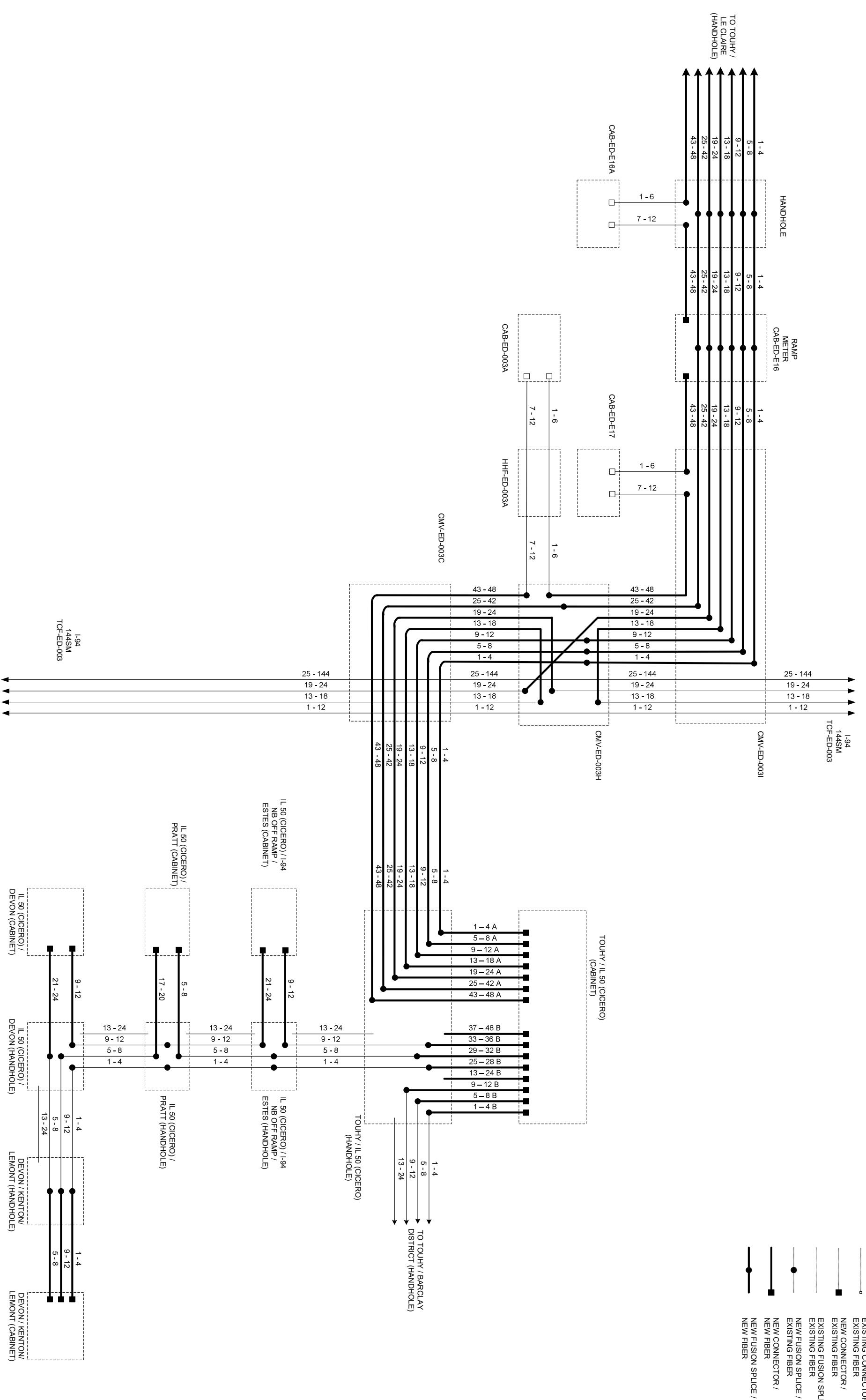
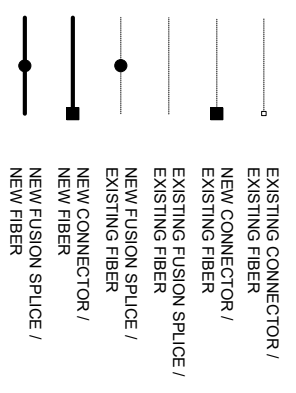
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F.A.P. RTE. VAR.	SECTION	COUNTY	TOTAL SHEETS
	2024-957-TS	ILLINOIS	92
			83
		CONTRACT NO. 62W63	
		FED. AID PROJECT	

SCALE N/A	ILLINOIS
-----------	----------



DESIGNED - AG		REVISED -		STATE OF ILLINOIS		SPlicing DETAILS - AREA 3		F.A.P.		TOTAL	
DRAWN - AG		REVISED -		DEPARTMENT OF TRANSPORTATION		TOUHY AVE FROM IL RTE 43 TO KOSTNER AVE		RTE.		SHEETS	
CHECKED - DG		REVISED -				SCALE N/A		VAR		NO.	
DATE 2026.04.27		REVISED -								84	
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								ILLINOIS		84	
								FED. AID PROJECT		84	



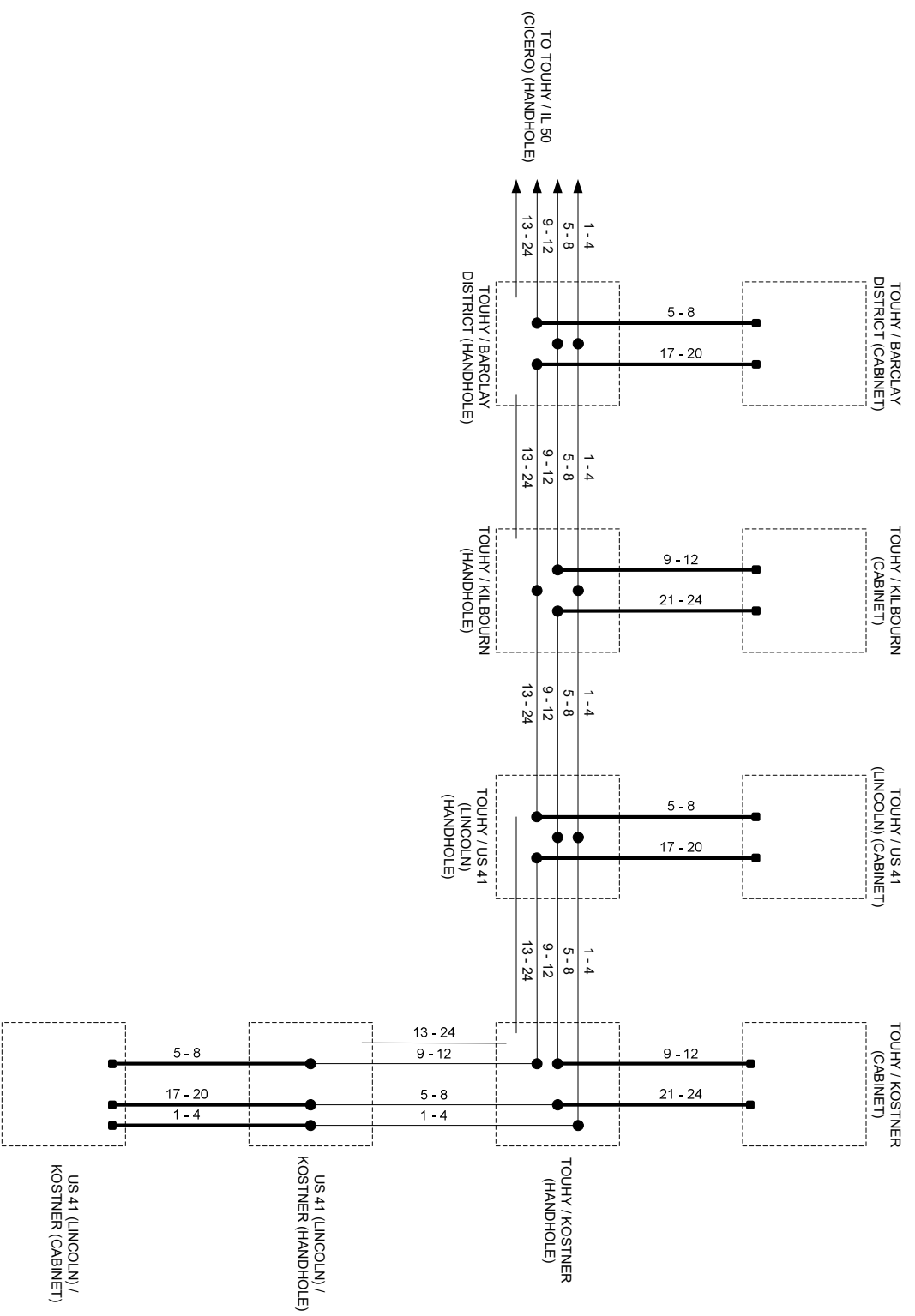
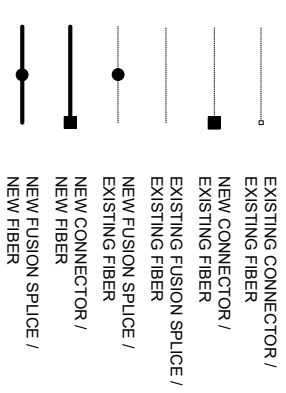


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DRAWN - AG	REVISIONS
CHECKED - DG	REVISIONS
DATE 2026.04.27	REVISIONS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SPlicing DETAILS - AREA 3  
TOUHY AVE FROM IL RTE 43 TO KOSTNER AVE

F.A.P. RITE VAR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	ILLINOIS	92	85
			CONTRACT NO. 62W03	
			FED. AID PROJECT	



DESIGNED - AG	REVISIED -
DRAWN - AG	REVISIED -
CHECKED - DG	REVISIED -
DATE 2026.04.27	REVISIED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SPlicing DETAILS - AREA 3  
TOUHY AVE FROM IL RTE 43 TO KOSTNER AVE

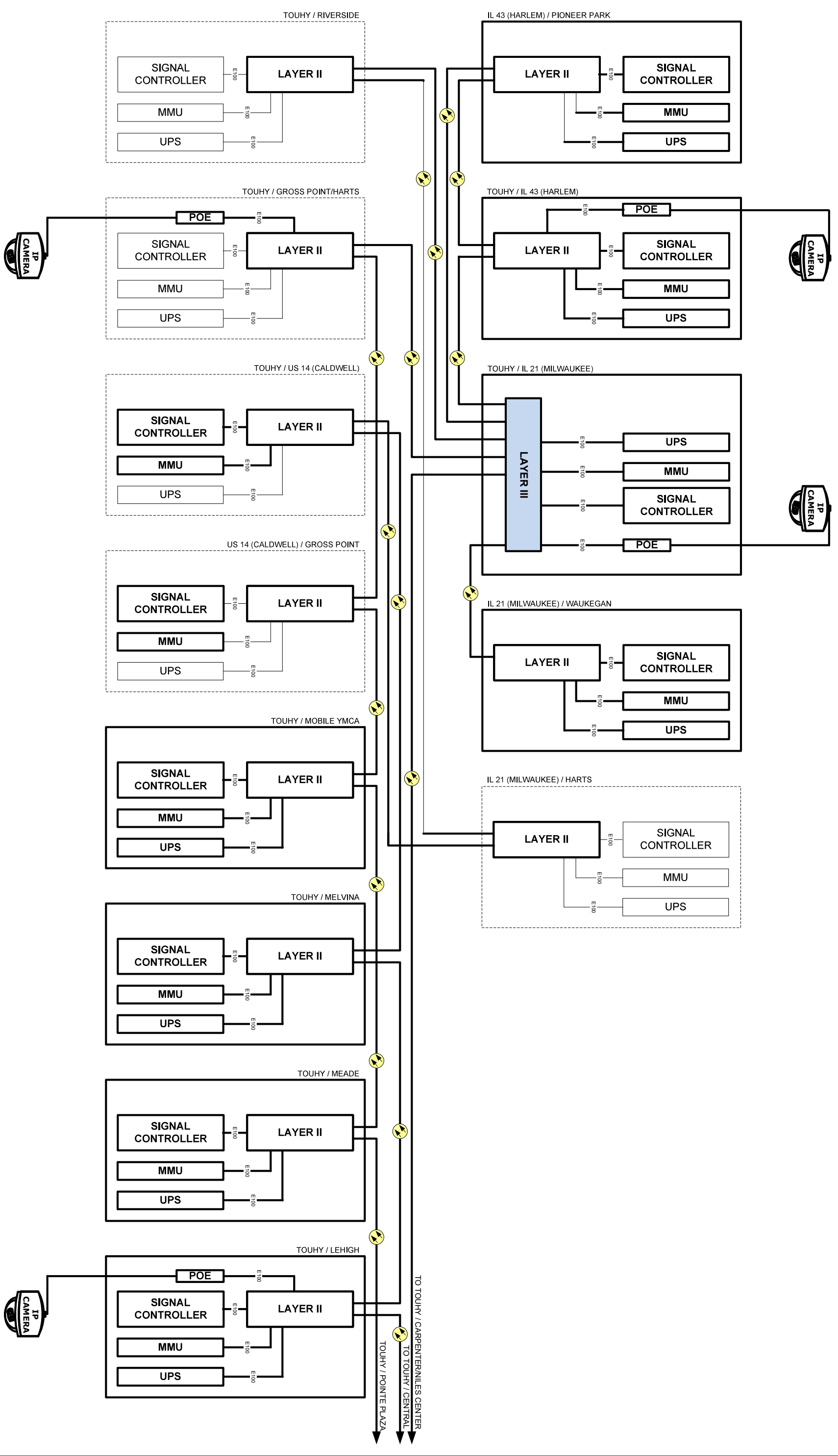
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	2024-957-TS	COOK	92	85A
		ILLINOIS	CONTRACT NO. 62W63	FED. AID PROJECT

DESIGNED - AG	REVISIONS
DRAWN - AG	REVISION -
CHECKED - DG	REVISION -
DATE 2026.04.27	REVISION -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABINET DETAILS - AREA 3  
TOUHY AVE FROM IL RTE 43 TO KOSTNER AVE

F.A.P. RTE. VAR.	SECTION	COUNTY	TOTAL SHEETS
	2024-957-TS	COOK	92
		CONTRACT NO. 62W63	86
		FED. AID PROJECT	

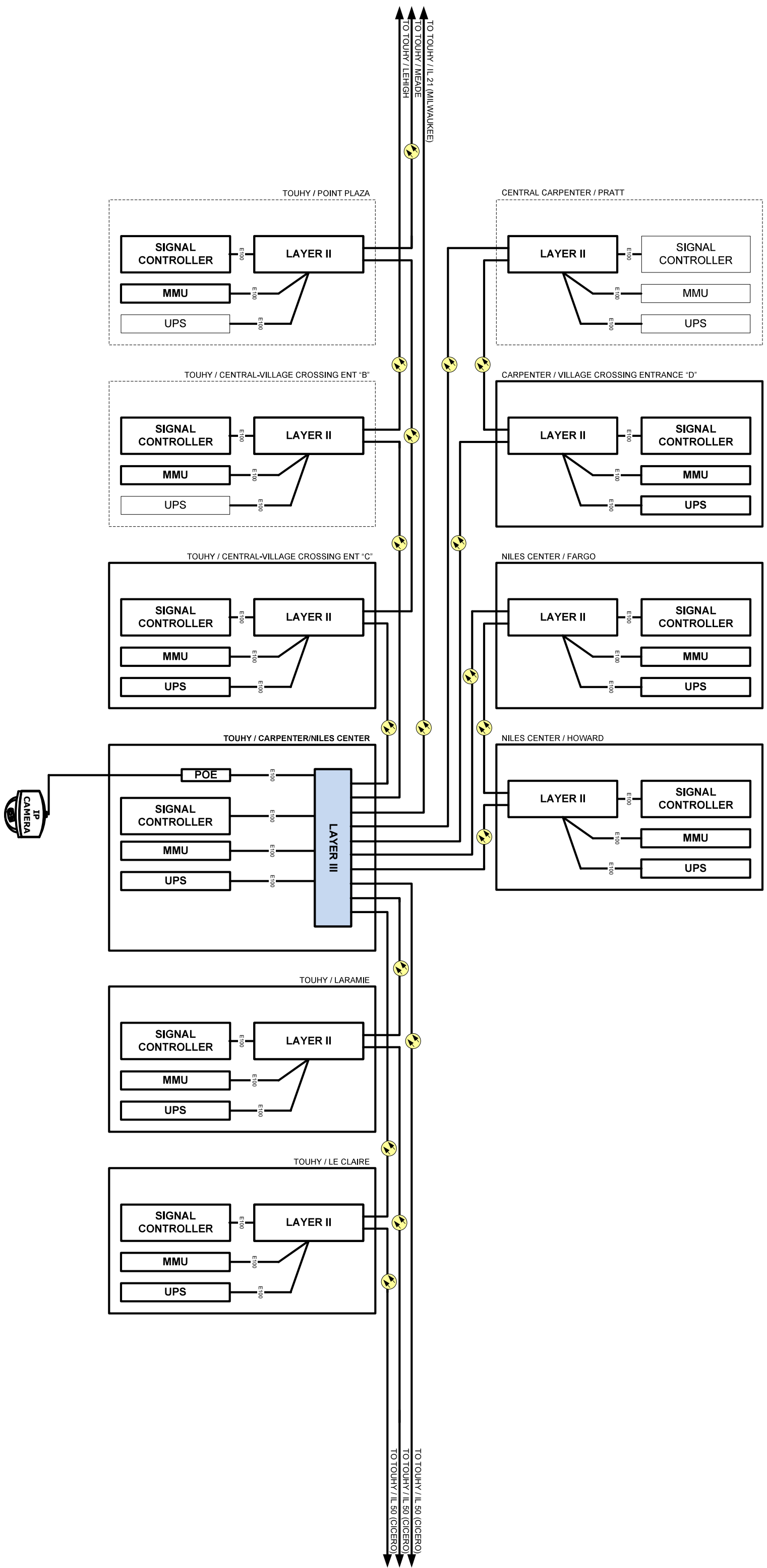


DESIGNED - AG	REVISIONS
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DATE 2026.04.27	REVISIONS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

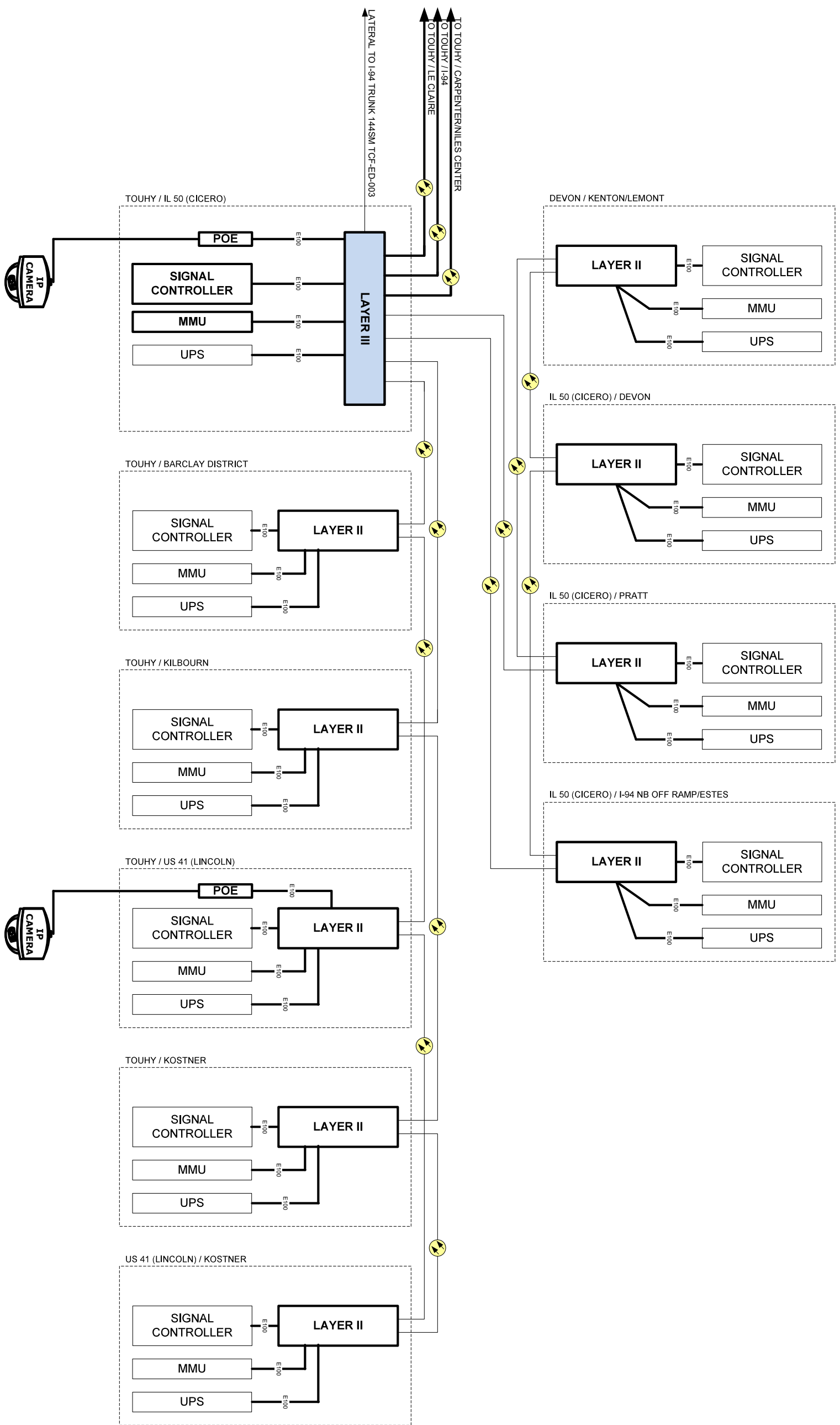
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TOUHY AVE FROM IL RTE 43 TO KOSTNER AVE

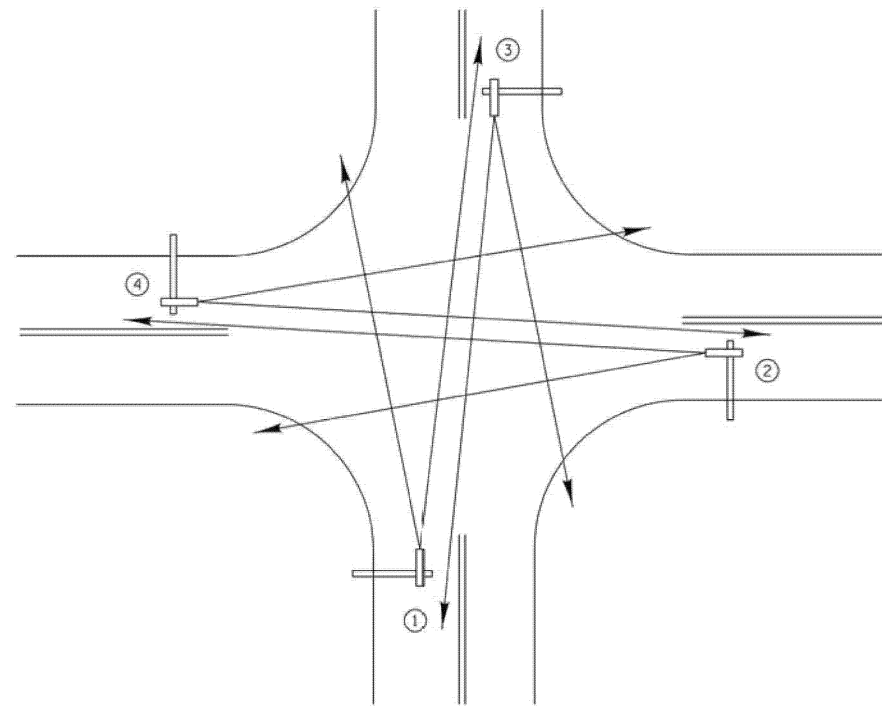
F.A.P.	SECTION	TOTAL SHEETS
RTE.	2024-957-TS	92
VAR		87
COUNTY	COOK	CONTRACT NO. 62W63
ILLINOIS	FED. AID PROJECT	



DESIGNED - AG	REVISIONS
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CHECKED - DG	REVISION -
DATE 2026.04.27	REVISION -

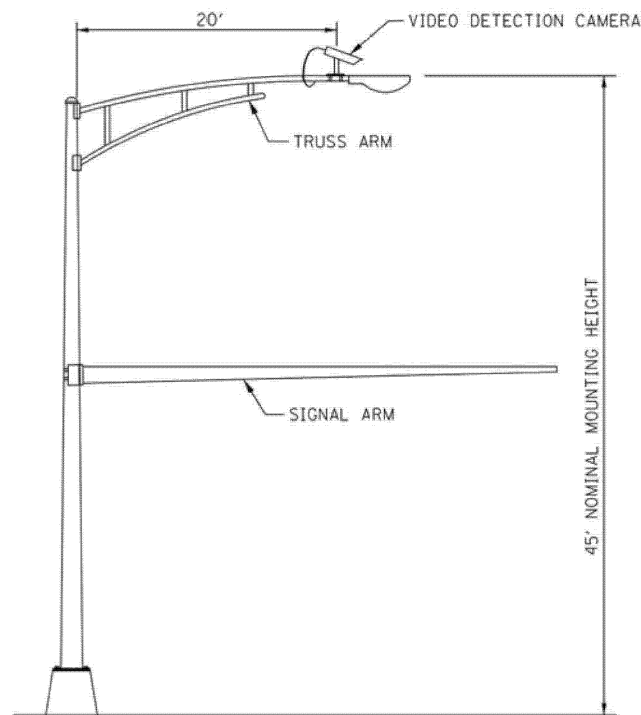
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				ILLINOIS	FED. AID PROJECT



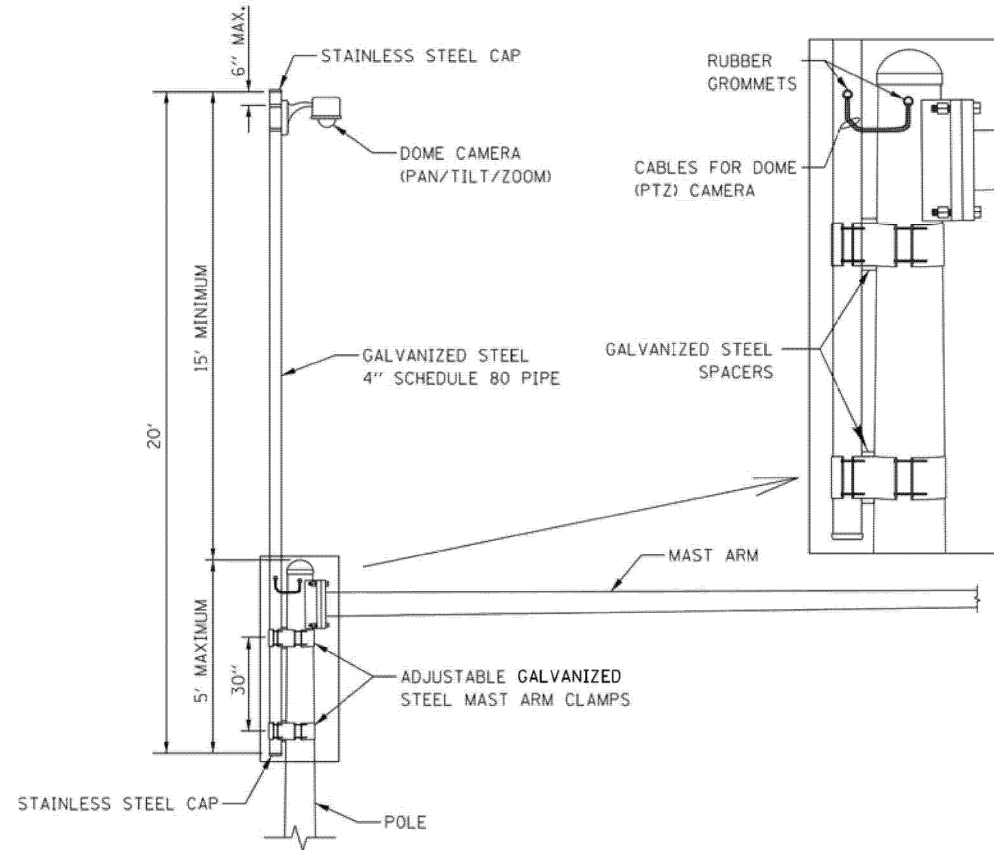


TYPICAL VIDEO VEHICLE  
DETECTION SYSTEM  
(NOT TO SCALE)

(4) VIDEO DETECTION CAMERA ASSEMBLIES AND BRACKETS ① ② ③ ④

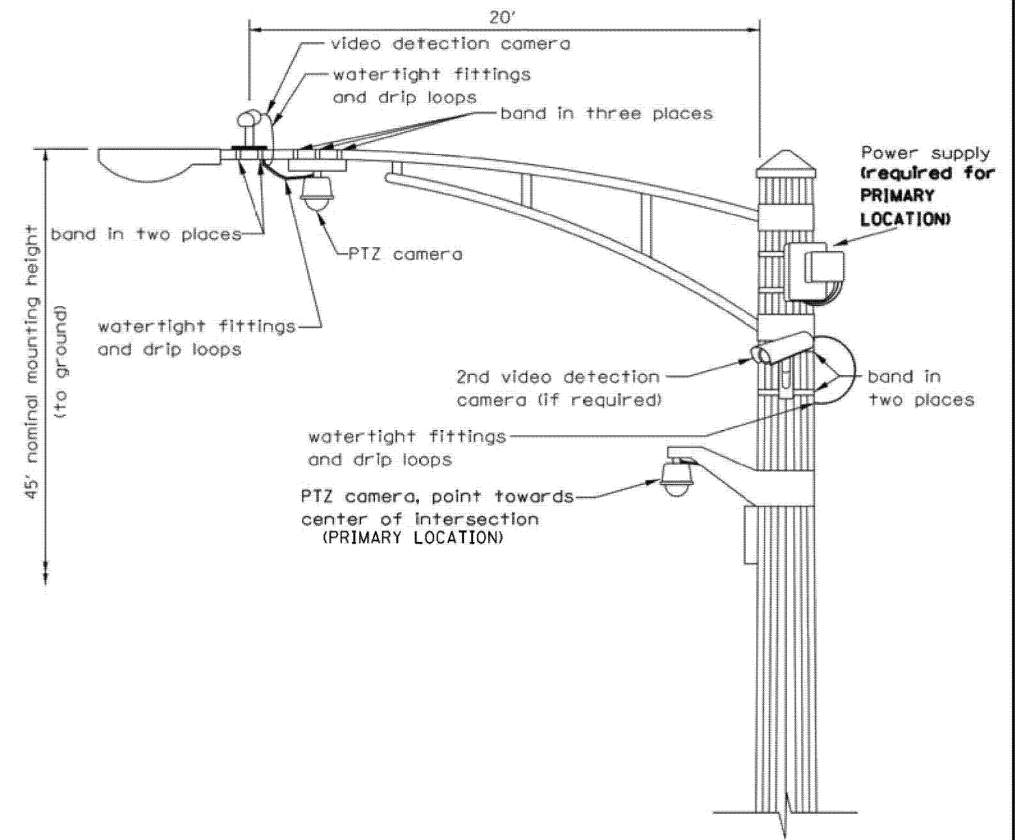


COMBINATION MAST ARM ASSEMBLY  
AND POLE DIMENSIONS  
(NOT TO SCALE)



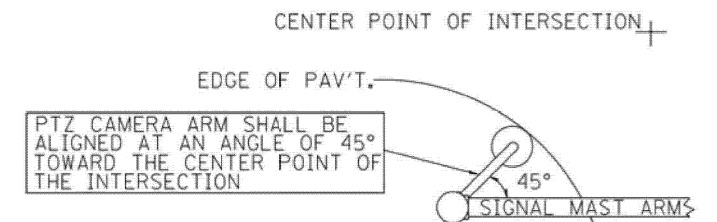
CAMERA MOUNTING ASSEMBLY DETAIL  
(NOT TO SCALE)

- NOTES:
- THE MAST ARM IS TAPERED.
  - INSTALL EXTENSION POLE VERTICAL AND PLUMB BY MODIFYING/INSTALLING BRACKETS AS NECESSARY. ADDITIONAL SPACERS REQUIRED ARE INCLUDED IN THE COST OF THE CAMERA MOUNTING ASSEMBLY OF THE TYPE SPECIFIED.
  - SPACERS ARE TO BE INTEGRATED OR MANUFACTURED WITH THE MAST ARM BRACKETS



VIDEO DETECTION CAMERA(S) AND  
DOME (PTZ) CAMERA MOUNTING DETAIL  
(NOT TO SCALE)

- NOTES FOR SINGLE, DUAL AND MULTIPLE CAMERA MOUNTING:
- MOUNT LUMINAIRE MOUNTING BRACKET AS HIGH AS POSSIBLE.
  - MOUNT VIDEO DETECTION CAMERA AIMING DOWN TOWARD THE DIRECTION OF TRAFFIC TO BE DETECTED.



PTZ CAMERA MOUNTING DETAILS  
(SECONDARY LOCATION)  
(NO SCALE)

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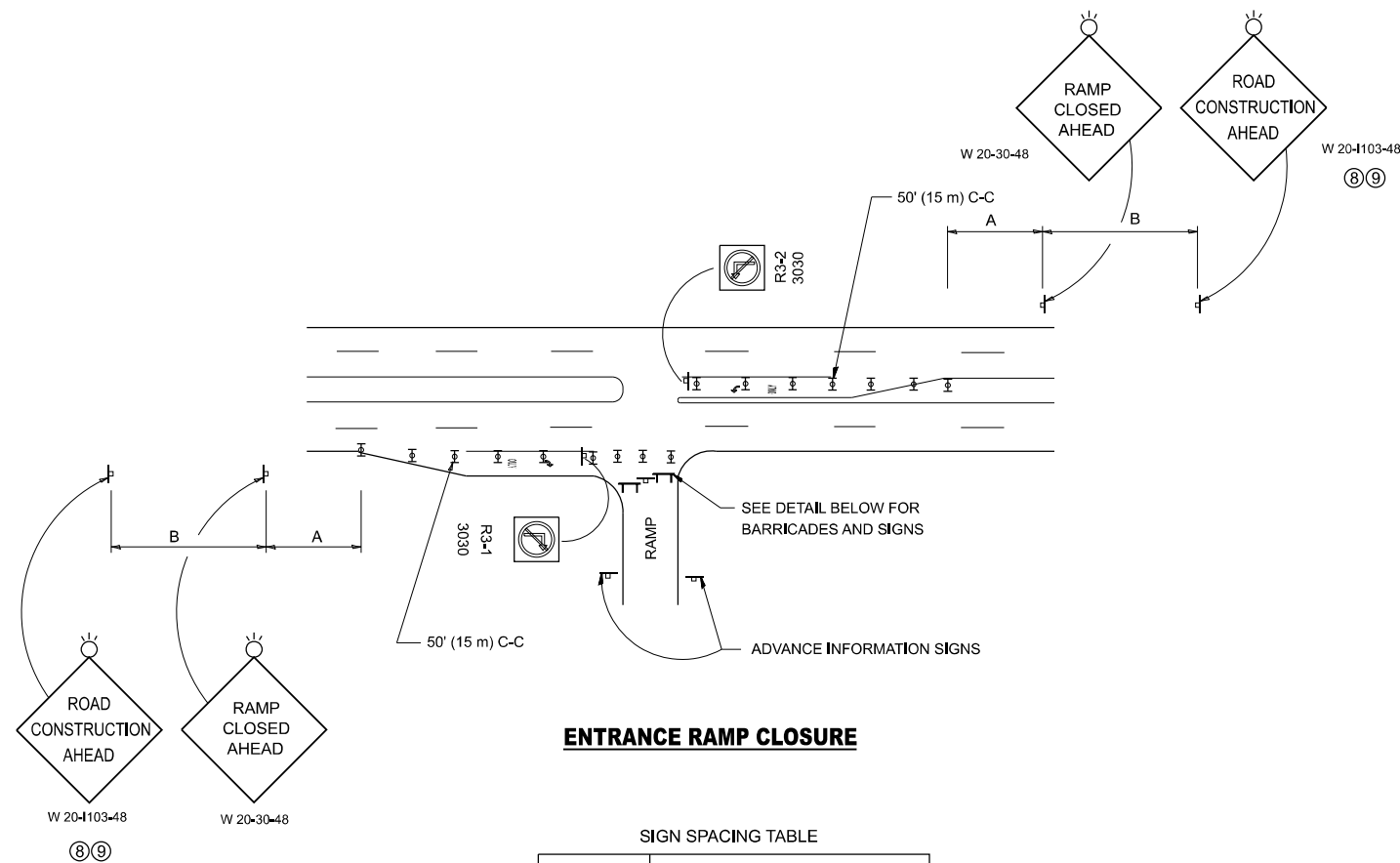
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PLOT DATE = 3/21/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CAMERA MOUNTING DETAILS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2024-957-TS	COOK	92	89
CONTRACT NO. 62W83			ILLINOIS FED. AID PROJECT	

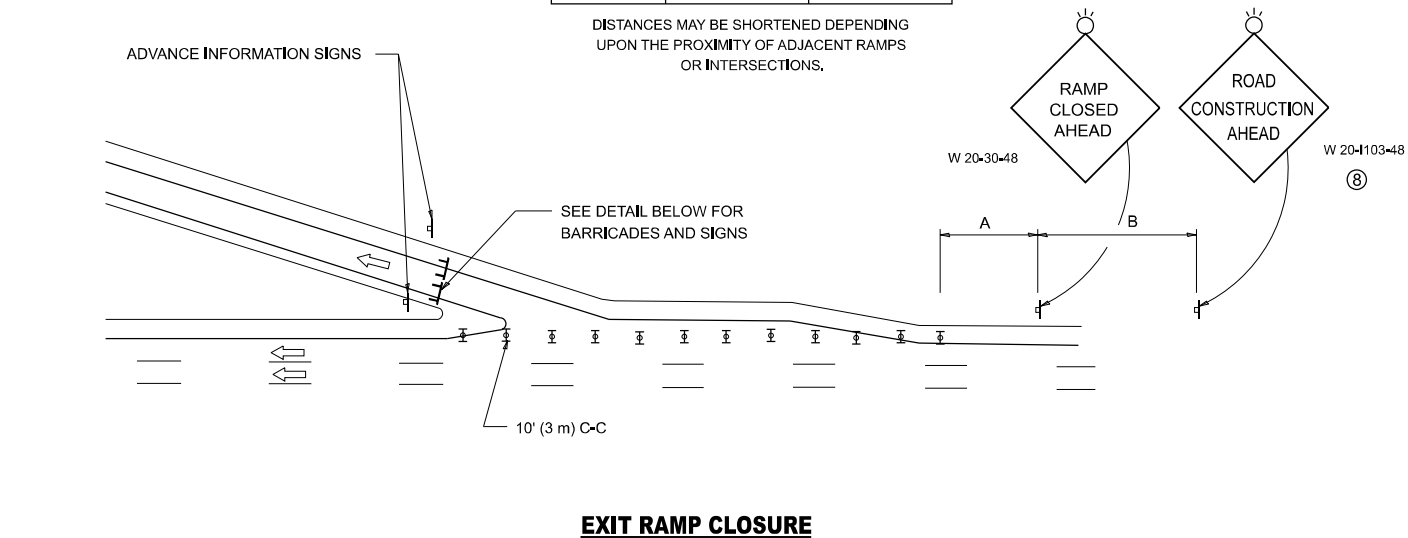


**ENTRANCE RAMP CLOSURE**

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

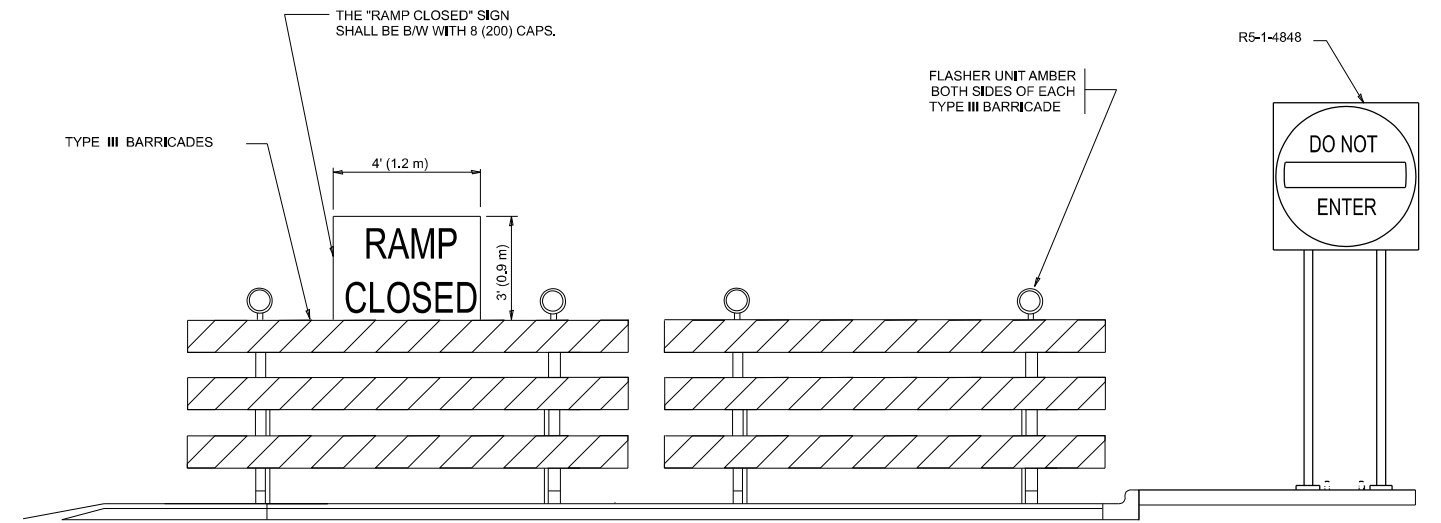
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



**EXIT RAMP CLOSURE**

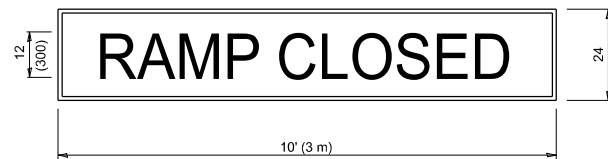
**SYMBOLS**

- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



**DETAIL FOR REQUIRED BARRICADES & SIGNS**

**RAMP CLOSURE ADVANCE WARNING SIGN**



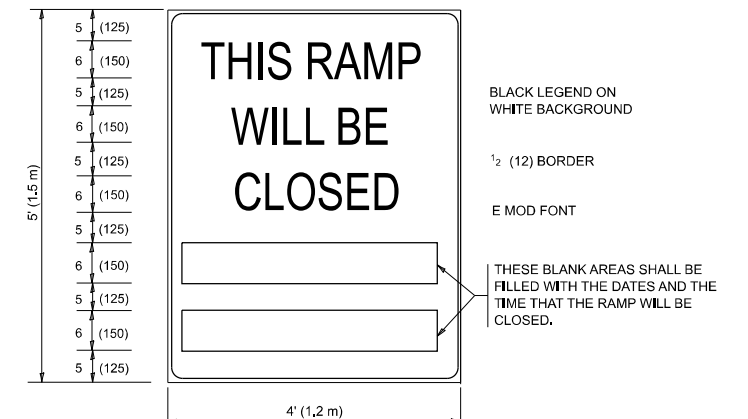
BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY  
E MOD FONT  
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

**RAMP CLOSURE ADVANCE INFORMATION SIGN**



BLACK LEGEND ON WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

**GENERAL NOTES:**

- 1 CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- 2 VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- 3 A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- 4 ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- 5 THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COSTS OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- 6 AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- 7 THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS, ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- 8 ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- 9 ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ENTRANCE AND EXIT RAMP  
CLOSURE DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

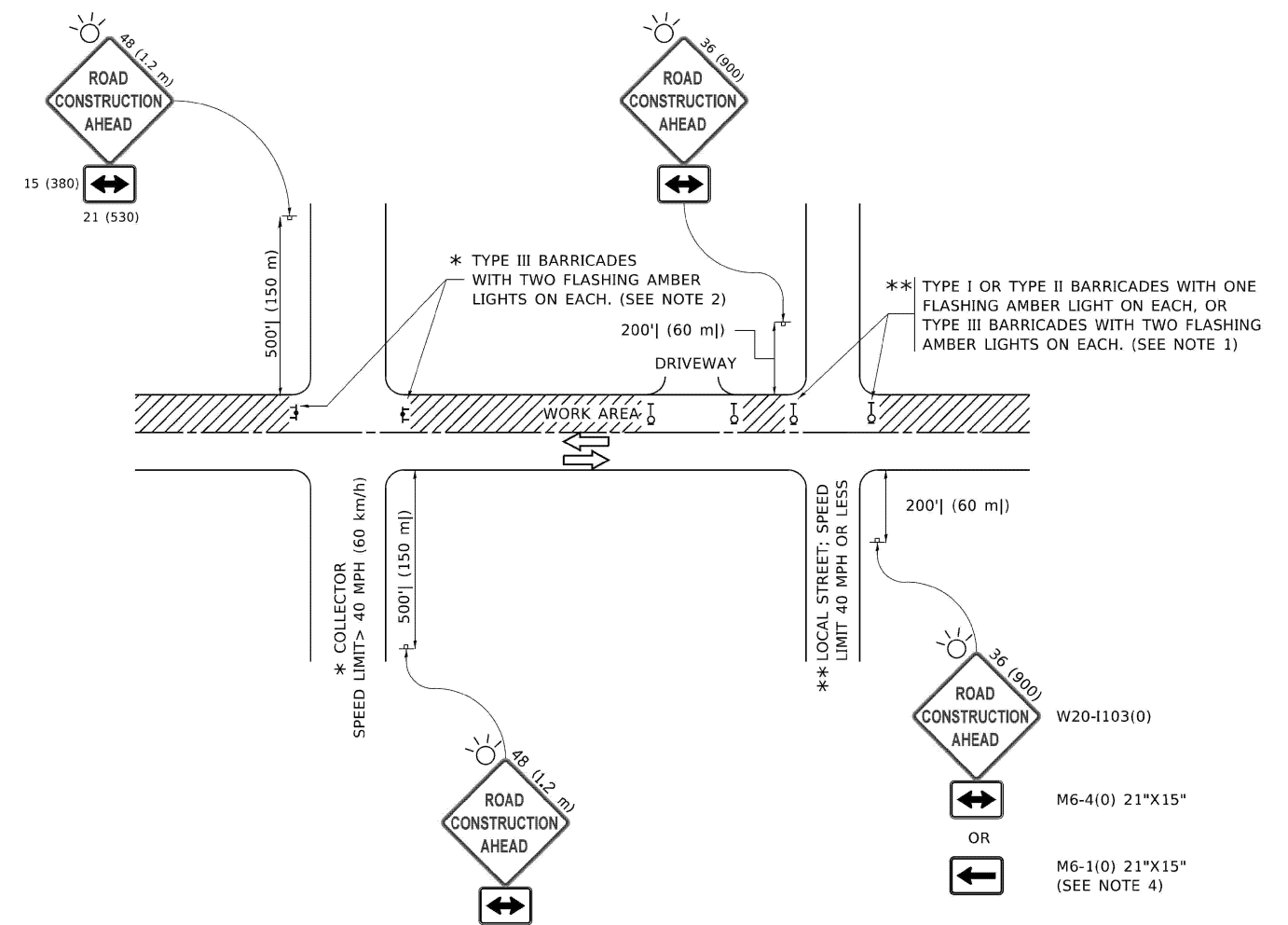
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VAR	2024-957-TS	COOK	92	89A
<b>TC-08</b>			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

MODEL: TC-08 (Sheet)  
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DRAWN		CHECKED		REVISED	M,D_06-13
PLOT SCALE	0,08333317 / in	DATE	02-83	REVISED	M,D_01-18
PLOT DATE	10/2/2025	DATE	02-83	REVISED	D,S_05-25



MODEL: TC-10  
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**NOTES:**

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = dwiktorzak	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 1-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-11-13
	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 3/21/2026	DATE - 06-89	REVISED - D. SENDERAK 05-03-25

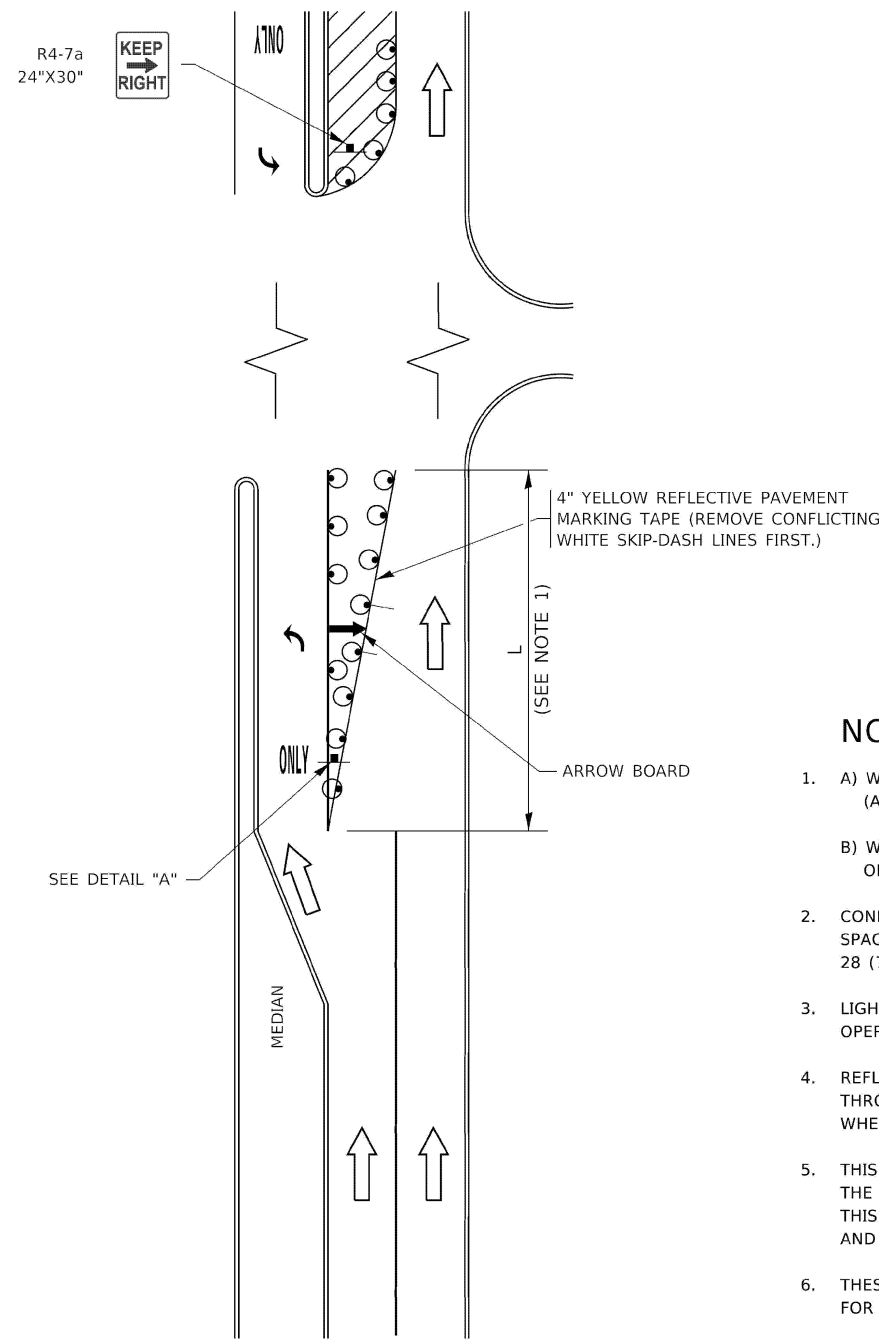
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR  
 SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

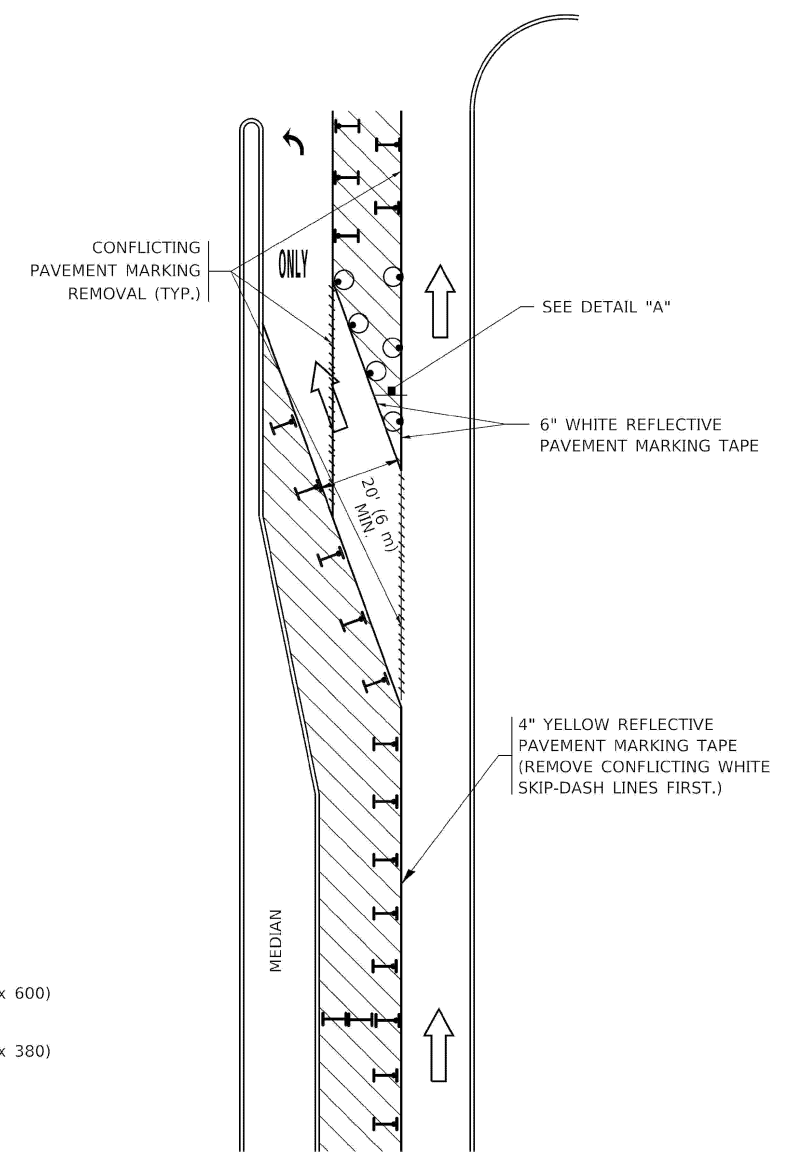
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VAR	2024-957-TS	COOK	92	90
TC-10		CONTRACT NO. 62W83		
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



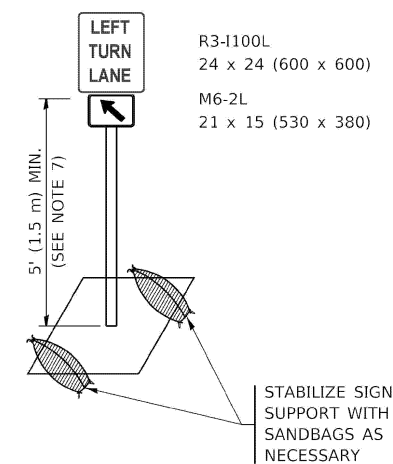
**FIGURE 2**

### LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

### NOTES:

1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
 B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

All dimensions are in inches (millimeters) unless otherwise shown.

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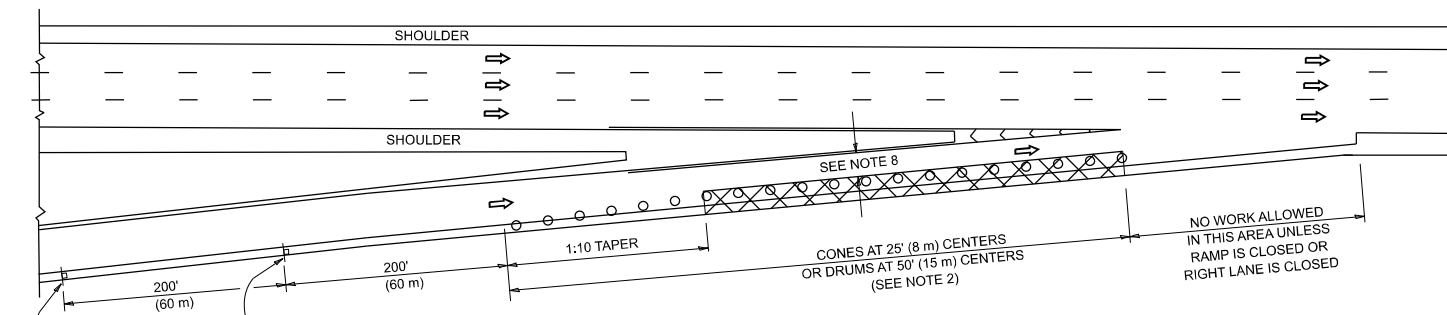
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	DRAWN - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 07-01-13
	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/21/2026	DATE - T. RAMMACHER 1-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

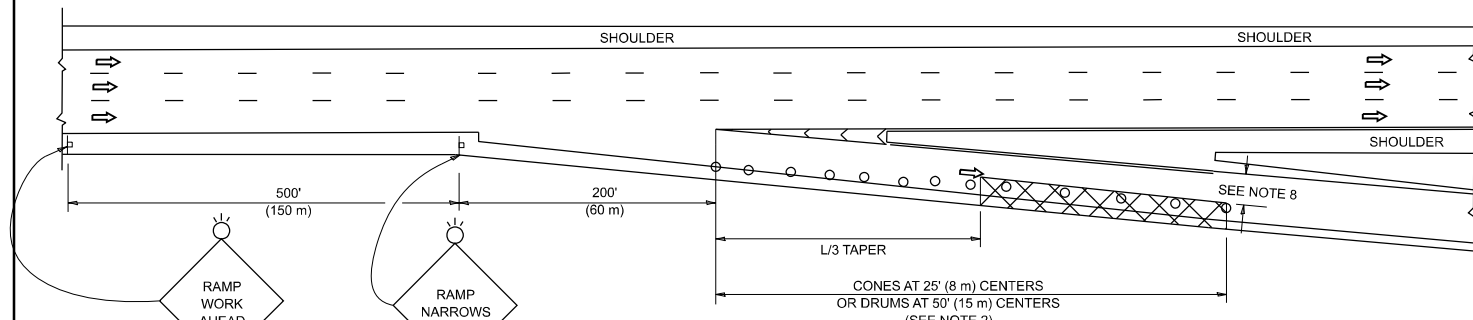
<b>TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)</b>			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	91
TC-14		CONTRACT NO. 62W83		
ILLINOIS FED. AID PROJECT				

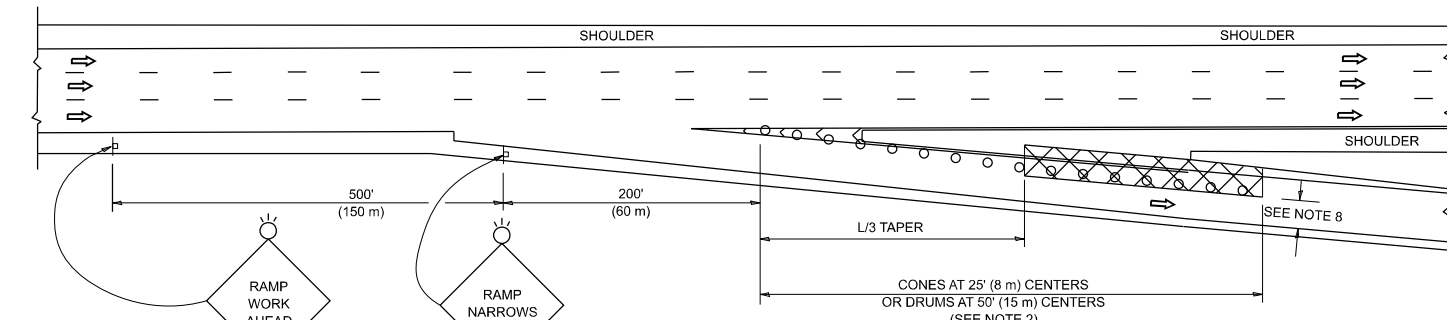
**PARTIAL RAMP CLOSURE DETAILS**



**TYPICAL ENTRANCE RAMP**



**TYPICAL EXIT RAMP**



**TYPICAL EXIT RAMP**

**SYMBOLS**

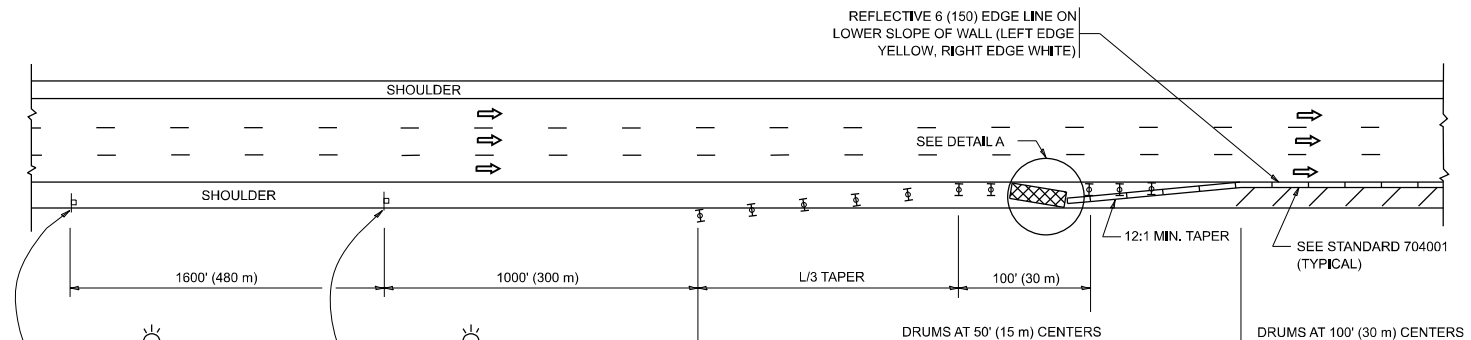
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

**GENERAL NOTES:**

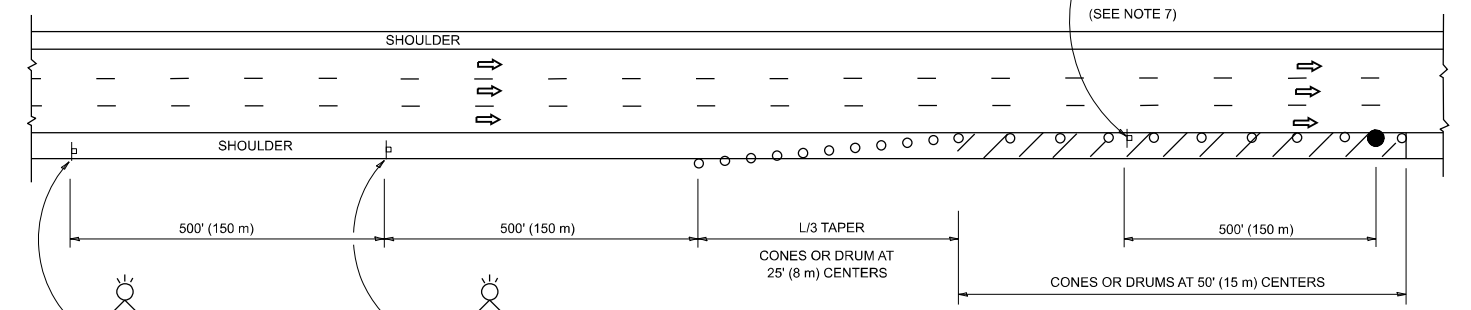
- THE "L" DISTANCE EQUALS:  

<b>SPEED LIMIT</b>	<b>FORMULAS</b>
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH $L=0.65(W)(S)$ $L=(W)(S)$
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

**SHOULDER CLOSURE DETAILS**



**PERMANENT SHOULDER CLOSURE**



**TEMPORARY SHOULDER CLOSURE**

THIS DETAIL IS USED WHERE:  
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

**DETAIL "A"  
IMPACT ATTENUATOR, TEMPORARY  
(SEE NOTE 5)**

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

- 12' MIN. WIDTH TANGENT SECTION  
16' MIN. WIDTH CURVE SECTION.
- TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: TC-17 (Sheet)  
 FILE NAME: c:\pwworking\illinois.demanche\0951415\TC-17.dgn

USER NAME	DESIGNED	REVISED
laurance,demanche	- M,D, 06-13	- M,D, 06-13
DRAWN	REVISED	REVISED
- D,W,S,	- M,D, 01-18	- M,D, 10-20
PLOT SCALE	CHECKED	REVISED
0,083333317 / 1/4	-	- M,D, 10-20
PLOT DATE	DATE	REVISED
10/2/2025	- 11-96	- D,S, 05-25

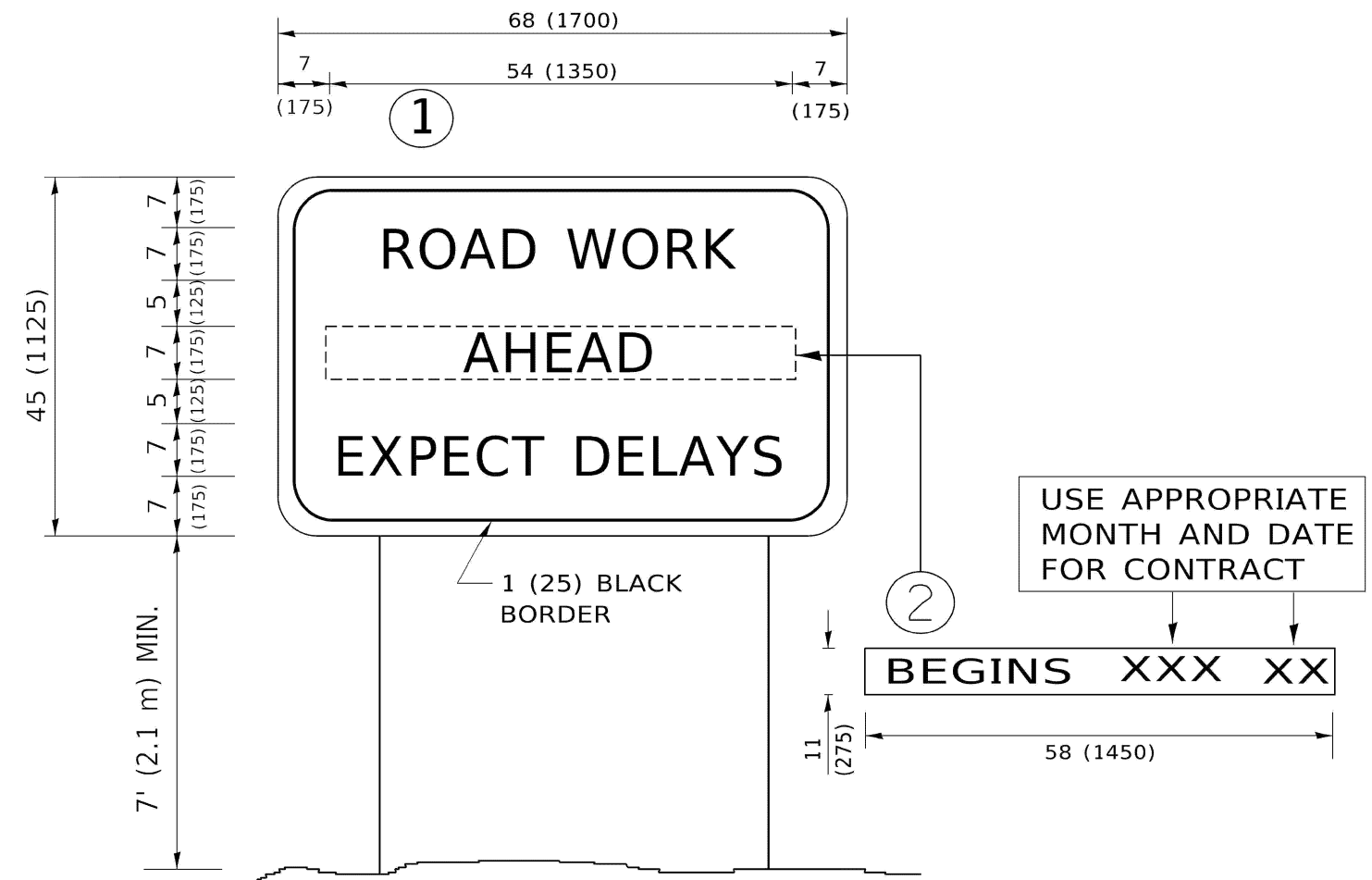
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY  
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	91A
TC-17			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

MODEL: TC22  
 FILE NAME: X:\Projects\2023\382\19700\DOT\PTB\_207-004\_Ver-TS\24009\_CMAQ\_Int\_1\CADD\_Data\Sheets\621W83-sht-d1 ts\_details.dgn



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = dwiktorzak	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/21/2026	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
 INFORMATION SIGN**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2024-957-TS	COOK	92	92
TC-22		CONTRACT NO. 62W83		
ILLINOIS FED. AID PROJECT				