

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED
HIGHWAY PLANS

CENTRAL TRAFFIC MANAGEMENT SYSTEM
PHASE I
SCHAUMBURG AREA IN DISTRICT 1
PROJECT NO. CMAQ-ARQE(719)
SECTION: 2022 TRAFFIC 01
VARIOUS ROUTES
COOK COUNTY

C-91-243-22

FOR LOCATION MAP
SEE SHEETS NO. 3

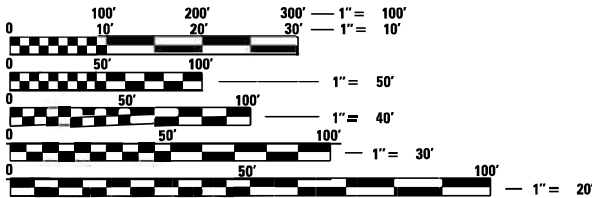
VARIOUS TOWNSHIPS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	1
		ILLINOIS	CONTRACT NO. 62R81	

D-91-187-22



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -



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 (847) 705-4734
PROJECT MANAGER: DARYLE DREW (847) 705-4424

CONTRACT NO. 62R81

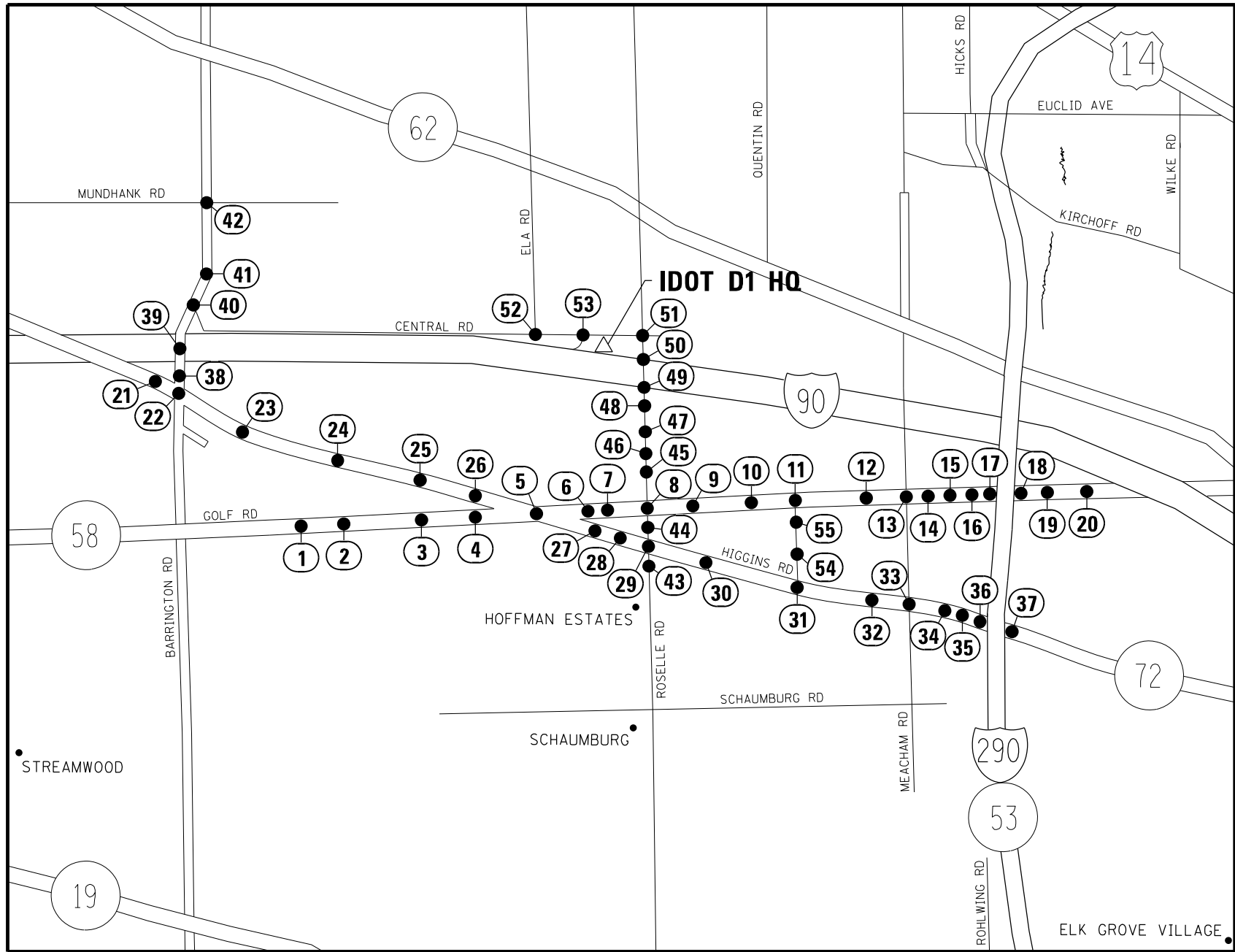
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED July 1, 2022
[Signature] REGIONAL ENGINEER

August 19, 2022
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

August 19, 2022
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



LOCATION NO.	TS NO.	INTERSECTION NAME
1	2870	IL RTE 58 (GOLF RD) AT MOON LAKE BLVD
2	21375	IL RTE 58 (GOLF RD) AT HARMON BLVD
3	2760	IL RTE 58 (GOLF RD) AT GANNON DR
4	2795	IL RTE 58 (GOLF RD) AT SALEM DR
5	2710	IL RTE 58 (GOLF RD) AT IL RTE 72 (HIGGINS RD)
6	2790	IL RTE 58 (GOLF RD) AT HIGHLAND BLVD
7	2880	IL RTE 58 (GOLF RD) AT VALLEY LAKE DR
8	2840	IL RTE 58 (GOLF RD) AT ROSELLE RD
9	21237	IL RTE 58 (GOLF RD) AT WILKENING RD
10	21235	IL RTE 58 (GOLF RD) AT BASSWOOD RD
11	2830	IL RTE 58 (GOLF RD) AT PLUM GROVE RD
12	21290	IL RTE 58 (GOLF RD) AT NATIONAL PKWY
13	2810	IL RTE 58 (GOLF RD) AT MEACHAM RD
14	8785	IL RTE 58 (GOLF RD) AT WEST DR
15	8780	IL RTE 58 (GOLF RD) AT ROOSEVELT BLVD
16	8790	IL RTE 58 (GOLF RD) AT EAST DR
17	91	IL RTE 58 (GOLF RD) AT W FRONTAGE RD / MCCONNOR PKWY
18	90	IL RTE 58 (GOLF RD) AT E FRONTAGE RD
19	2860	IL RTE 58 (GOLF RD) AT RING RD
20	2770	IL RTE 58 (GOLF RD) AT GALLAGHER WAY
21	11133	IL RTE 72 (HIGGINS RD) AT SHOE FACTORY RD
22	3290	IL RTE 72 (HIGGINS RD) AT BARRINGTON RD
23	3330	IL RTE 72 (HIGGINS RD) AT MOON LAKE BLVD / GOVERNORS LN
24	12075	IL RTE 72 (HIGGINS RD) AT HUNTINGTON BLVD
25	3325	IL RTE 72 (HIGGINS RD) AT GANNON DR
26	3255	IL RTE 72 (HIGGINS RD) AT SALEM DR / JONES RD
27	21320	IL RTE 72 (HIGGINS RD) AT SPRING MILL DR
28	21322	IL RTE 72 (HIGGINS RD) AT GRAND CANYON PKWY
29	3250	IL RTE 72 (HIGGINS RD) AT ROSELLE RD
30	3251	IL RTE 72 (HIGGINS RD) AT ASH RD
31	3245	IL RTE 72 (HIGGINS RD) AT PLUM GROVE RD
32	21955	IL RTE 72 (HIGGINS RD) AT NATIONAL PKWY
33	3230	IL RTE 72 (HIGGINS RD) AT MEACHAM RD
34	3220	IL RTE 72 (HIGGINS RD) AT MALL DR
35	3225	IL RTE 72 (HIGGINS RD) AT MARTINGALE RD
36	95	IL RTE 72 (HIGGINS RD) AT W FRONTAGE RD
37	96	IL RTE 72 (HIGGINS RD) AT E FRONTAGE RD
38	4175	BARRINGTON RD AT HASSELL RD
39	4178	BARRINGTON RD AT I-90
40	4176	BARRINGTON RD AT CENTRAL RD
41	4188	BARRINGTON RD AT LAKEWOOD BLVD
42	4185	BARRINGTON RD AT MUNDHANK RD
43	10285	ROSELLE RD AT BODE RD
44	10291	ROSELLE RD AT GOLF CENTER
45	10287	ROSELLE RD AT REMINGTON RD
46	10563	ROSELLE RD AT VALLEY LAKE DR / STATE PKWY
47	10290	ROSELLE RD AT KRISTIN DR / COMMERCE DR
48	10300	ROSELLE RD AT HILLCREST BLVD
49	10561	ROSELLE RD AT I-90 EB RAMP
50	10560	ROSELLE RD AT I-90 WB RAMP
51	10293	ROSELLE RD AT CENTRAL RD
52	8633	CENTRAL RD AT ELA RD
53	8634	CENTRAL RD AT I-90 WB RAMP
54	0969	PLUM GROVE RD AT WOODFIELD RD
55		PLUM GROVE RD AT AMERICAN LN

MODEL Default
FILE Name: p:\project-aw-bentley.com\p\id\dot\Documents\IDOT Office\District 1\Projects\T15476\CADDData\Traffic\T15476-ts-nts.dgn

USER NAME = kobykaka	DESIGNED - KK	REVISED -
DRAWN - KK	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - DD	REVISED -
PLOT DATE = 6/30/2022	DATE - 06-30-2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP
NORTH COOK COUNTY

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2021-129-TS	VARIOUS	241	3
				CONTRACT NO. 62N95
ILLINOIS FED. AID PROJECT				

MODEL - Default
FILE NAME: pw:\dot-pw-bentley.com\PWDOT\Documents\DOT Offices\District 1\Projects\115476\CAD\ata\Traffic\115476-ah-ts.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				80% FED 20% STATE COOK COUNTY
				INTERCONNECT
				0021
				URBAN
67100100	MOBILIZATION	L SUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	55	55
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	72,329	72,329
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	145,348	145,348
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	46	46
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	46,986	46,986
X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	3,238	3,238
X1400215	REMOTE CONTROLLED VIDEO SYSTEM	EACH	17	17
X1400216	LAYER II (DATALINK) SWITCH	EACH	41	41
X1400217	TERMINATE FIBER IN CABINET	EACH	852	852
X1400219	SPLICE FIBER IN CABINET	EACH	330	330

	USER NAME = kobyjkake	DESIGNED - KK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES (SHEET 1 OF 3)			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - KK	REVISED -						2021-129-TS	VARIOUS	241	4
	PLOT SCALE = 40.0000' / in.	CHECKED - DD	REVISED -							CONTRACT NO. 62N95		
	PLOT DATE = 6/30/2022	DATE - 06-30-2022	REVISED -							ILLINOIS FED. AID PROJECT		
								SCALE: NONE	SHEET OF SHEETS	STA. TO STA.		

Model: Default
File Name: p:\w\dot-sw.bentley.com\p\WIDOT\Documents\DOT Offices\District 1\Projects\T15476\CADData\Traffic\T15476-sh-ts.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				80% FED 20% STATE COOK COUNTY
				INTERCONNECT
				0021 URBAN
X1400221	UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	15	15
X1400460	LAYER III (NETWORK) SWITCH	EACH	5	5
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6
X8570215	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	26	26
X8710029	FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	57,574	57,574
X8710030	FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE	FOOT	15,555	15,555
Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	5	5
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	205.6	205.6
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	2	2
X9700023	CENTRACS LICENSE EXPANSION	EACH	46	46
X9700024	CENTRACS ADVANCED CCTV MODULE AND SERVER	EACH	1	1

	USER NAME = kobyikaka	DESIGNED - KK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES (SHEET 2 OF 3)				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - KK	REVISED -							2021-129-TS	VARIOUS	241	5
	PLOT SCALE = 40.0000 ' / in.	CHECKED - DD	REVISED -						CONTRACT NO. 62N95				
	PLOT DATE = 6/30/2022	DATE - 06-30-2022	REVISED -						ILLINOIS FED. AID PROJECT				
						SCALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.		

MODEL: Default

[illegible]

FILE NAME: DW	USER NAME = kabykaka	DESIGNED - KK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES (SHEET 3 OF 3)				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - KK	REVISED -							2021-129-TS	VARIOUS	241	6
	PLOT SCALE = 40.0000' / in.	CHECKED - DD	REVISED -						CONTRACT NO. 62N95				
	PLOT DATE = 6/30/2022	DATE - 06-30-2022	REVISED -		SCALE: NONE SHEET OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT				

Ø 0042

REV SEP

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

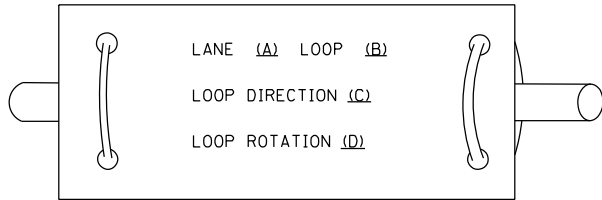
	USER NAME = koby/kaka	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - IP	REVISED -		SCALE: NONE	SHEET 1 OF 7 SHEETS	STA.	TO STA.	VAR.	2022 TRAFFIC 01	COOK	241	7
	PLOT SCALE = 40,0000 ' / in.	CHECKED - LP	REVISED -		TS-05								
	PLOT DATE = 6/30/2022	DATE - 9/29/2016	REVISED -		CONTRACT NO. 62R81								
ILLINOIS FED. AID PROJECT													

MODEL Default
FILE Name: E:\projects\ts-sht-no.2.dgn
FILE Path: E:\projects\ts-sht-no.2.dgn
PROJECT: T15476(CADData)\Traffic\T15476-sht-no.2.dgn

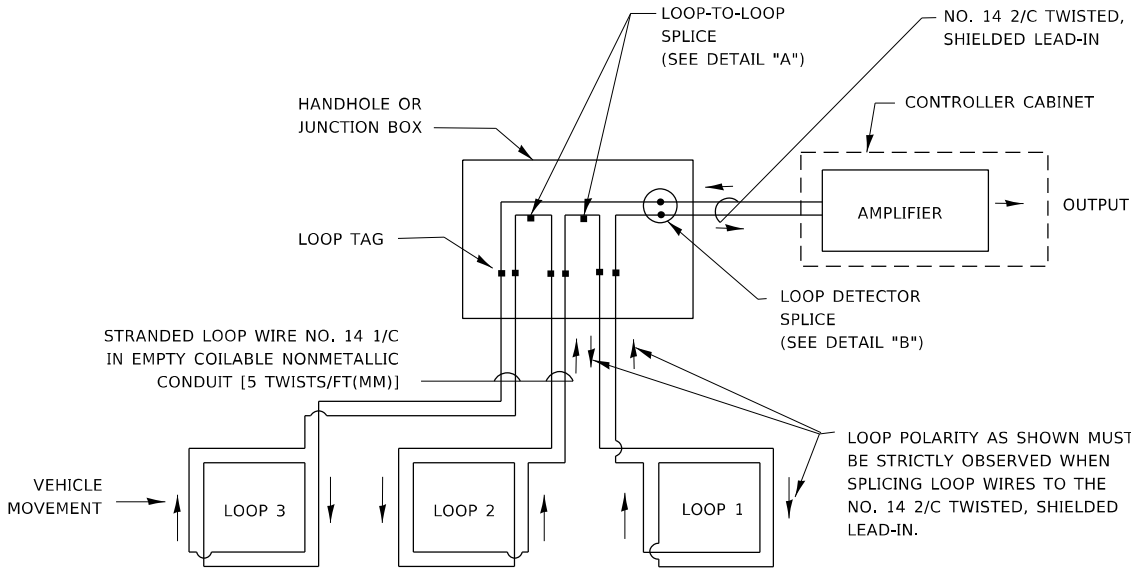
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

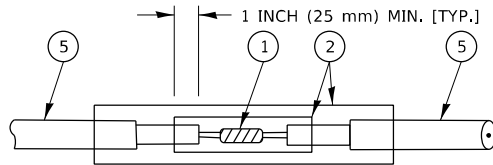


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

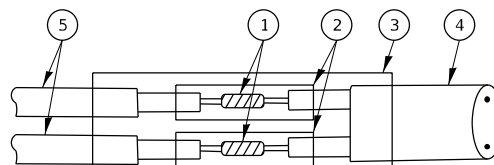


DETECTOR LOOP WIRING SCHEMATIC

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

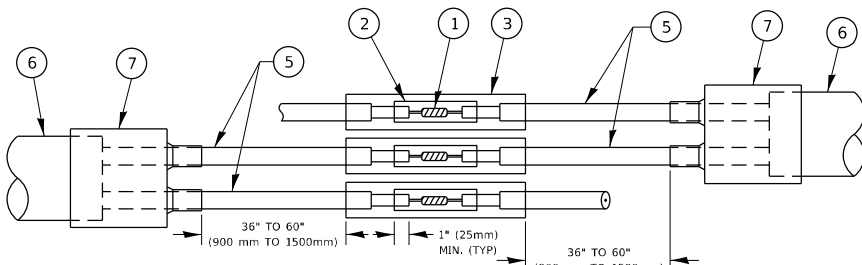


DETAIL "A"
LOOP-TO-LOOP SPLICE

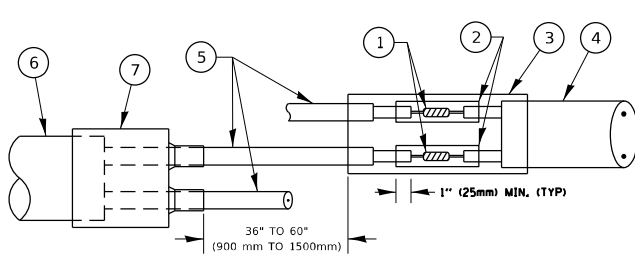


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

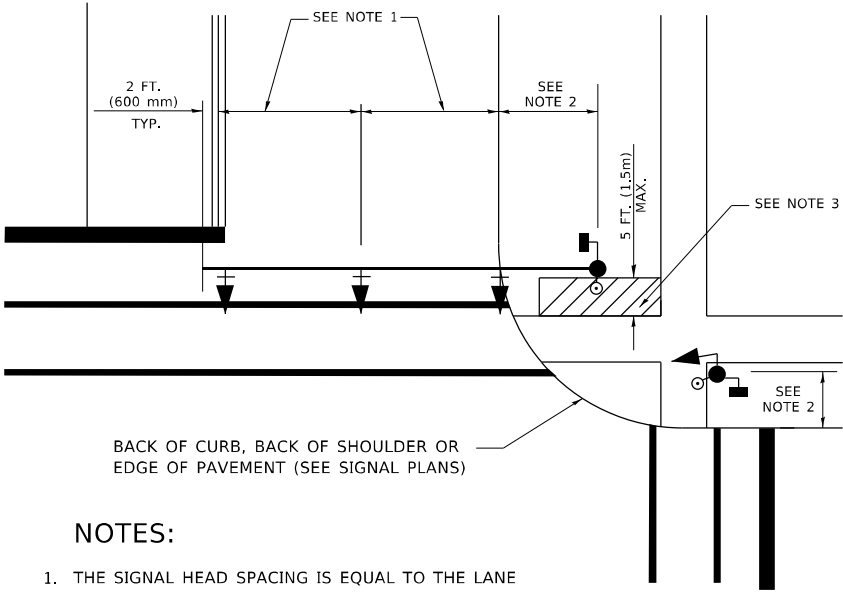
- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER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

	USER NAME = kobyliaka	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					VAR.	2022 TRAFFIC 01	COOK	241	8
	PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -		TS-05			CONTRACT NO. 62R81				
	PLOT DATE = 6/30/2022	DATE -	REVISED -		SCALE: NONE	SHEET 2 OF 7 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

MODEL Default
FILE Name: s:\bulletet-aw-beadfy.com\PI\DOT\Documents\DOT Office\Dir\rd: 1\Projects\T15476\CADD\at\Traffic\T15476-sht-ts.dgn

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

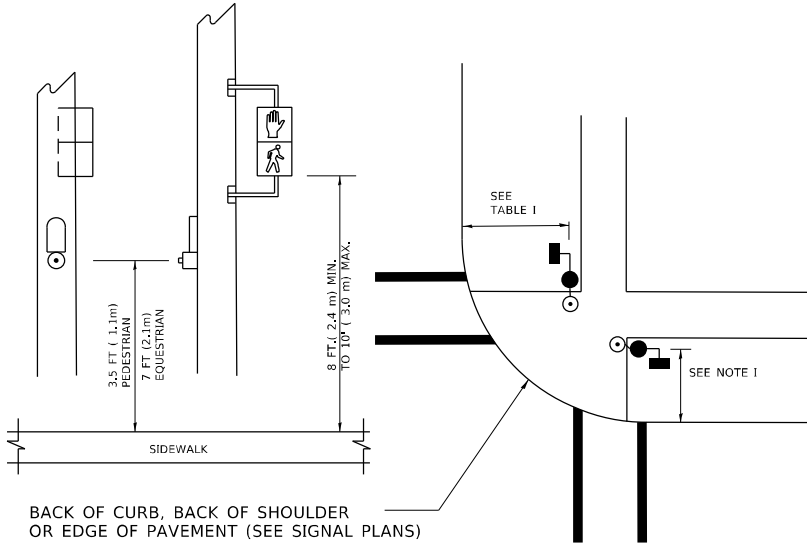
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

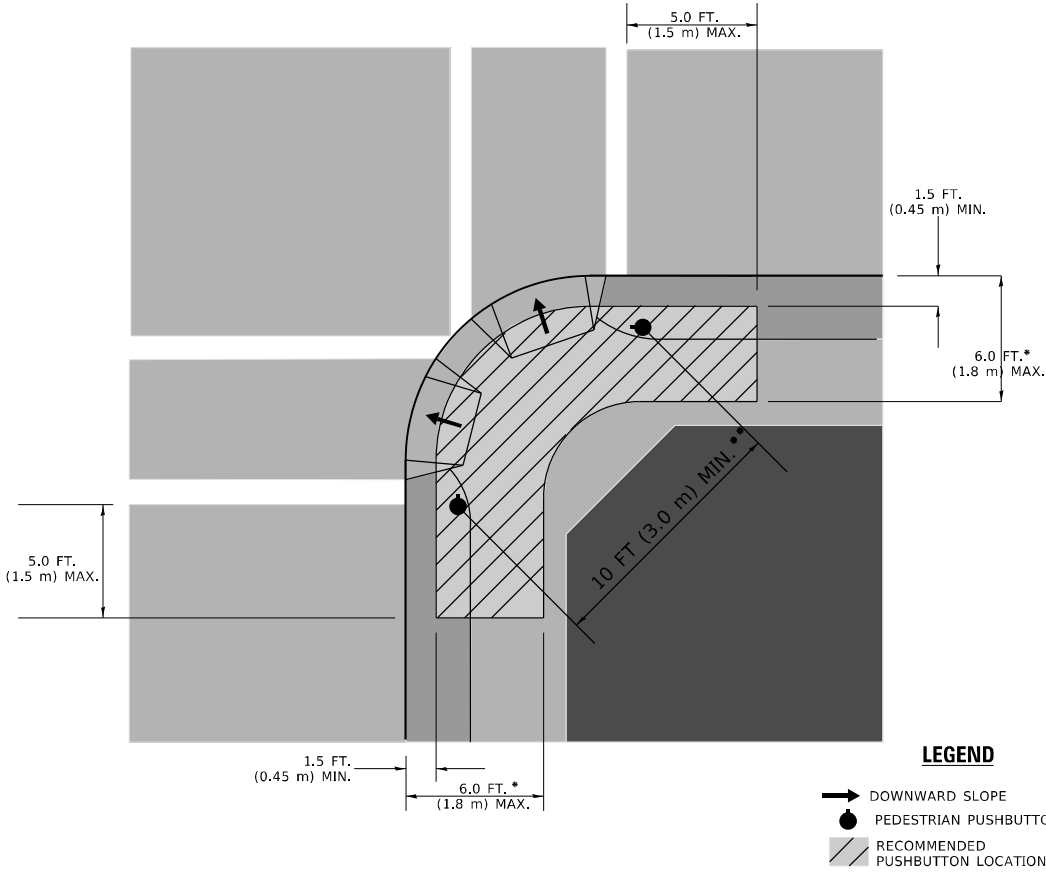
PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



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

NOTES:

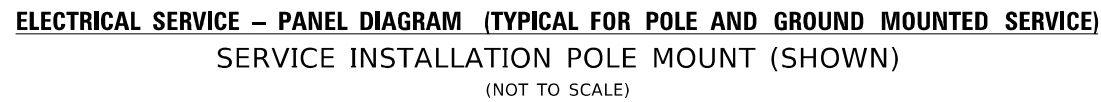
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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



-
- Technical drawings of handhole cover assemblies, labeled DETAIL "A" and DETAIL "B".
- DETAIL "A"** shows a cross-section of a handhole cover assembly. The assembly includes a **HANDHOLE COVER** (top), a **HANDHOLE FRAME**, and **4-3/8" (9mm) DIA., CORED HOLES**. A **UL LISTED GROUND COMPRESSION TERMINAL** is shown connected to the frame. The distance between the frame and the cover is **1" (25mm)**. A note indicates that **ANTI-CORROSION COMPOUND SHALL BE APPLIED ON ALL BOLT/ CONNECTION ASSEMBLIES. -STAINLESS STEEL BOLT, NUT AND 2 STAINLESS STEEL WASHERS**.
- DETAIL "B"** shows a cross-section of a handhole cover assembly. The assembly includes a **HANDHOLE COVER HANDLE** and a **UL LISTED GROUND COMPRESSION TERMINAL WITH STAINLESS STEEL NUT**. A note indicates that **ANTI-CORROSION COMPOUND SHALL BE APPLIED TO THE ASSEMBLY**.



-

- MAST ARM POLE /POST-GROUNDING DETAIL**
(NOT TO SCALE)

USER NAME = kobyllaka	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						VAR.	2022 TRAFFIC 01	COOK	241	10
PLOT SCALE = 40,0000' = 1 in.	CHECKED -	REVISED -		TS-05				CONTRACT NO. 62R81				
PLOT DATE = 6/30/2022	DATE -	REVISED -										
				SCALE: NONE	SHEET 4	OF 7 SHEETS	STA.	TO STA.				

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

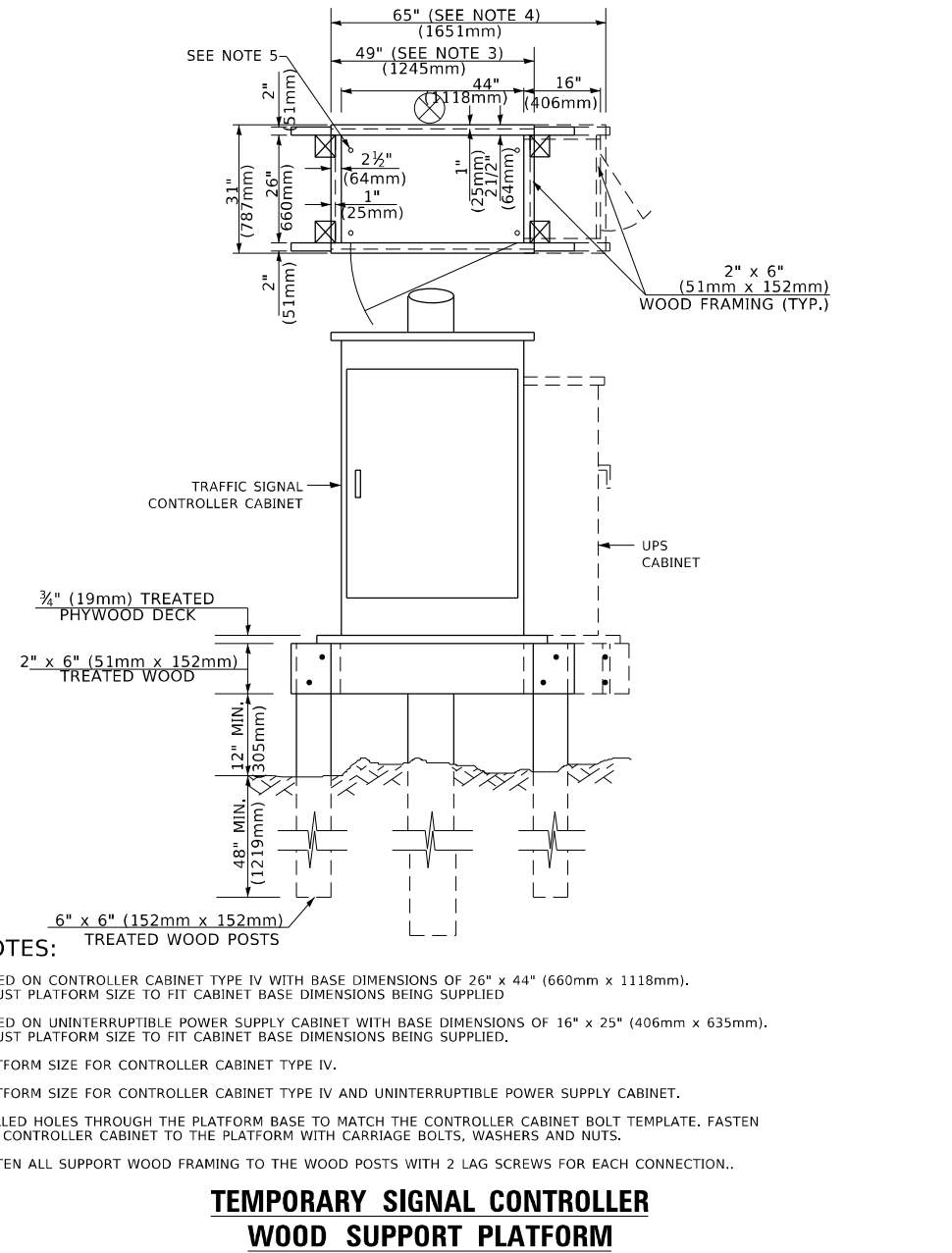
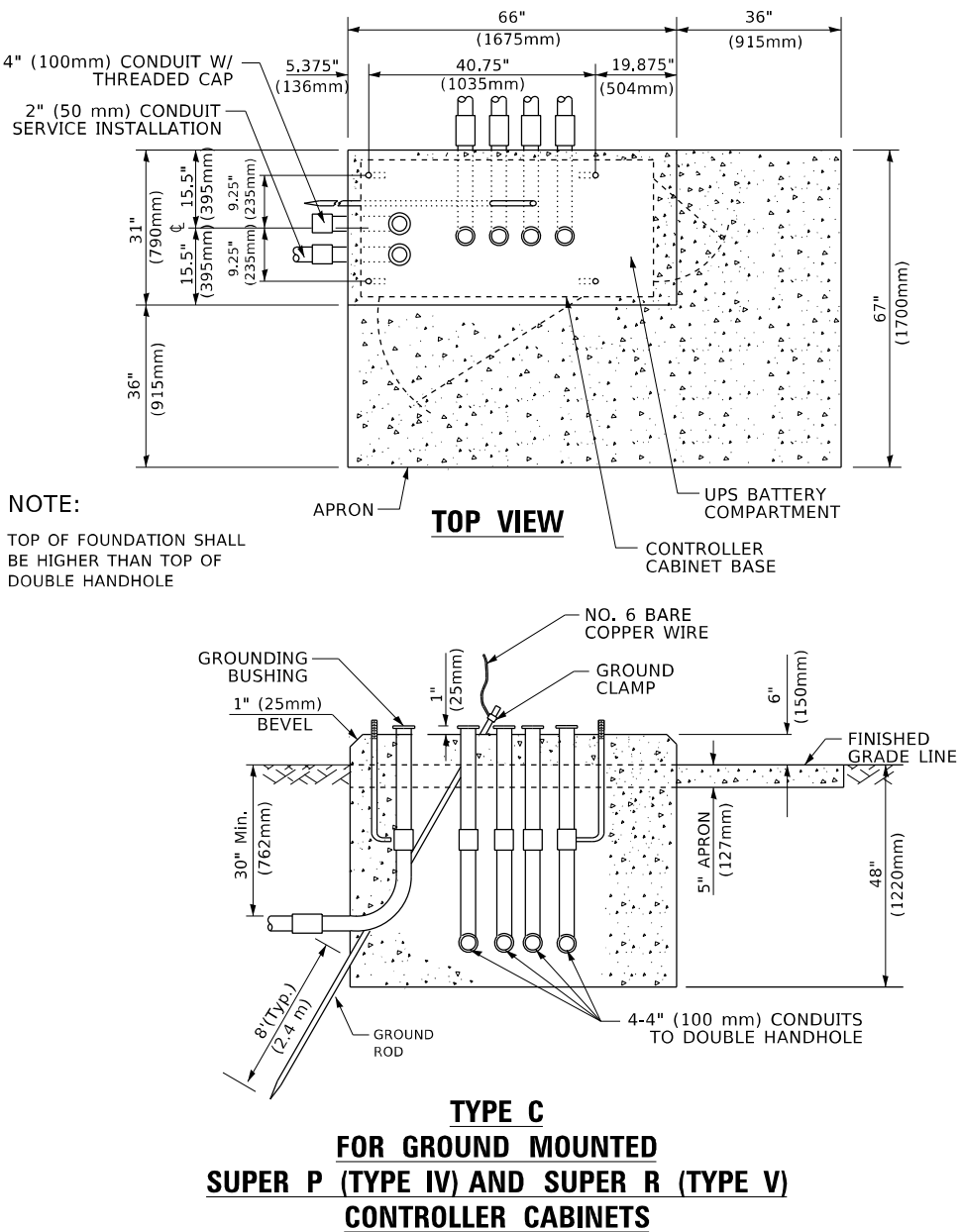
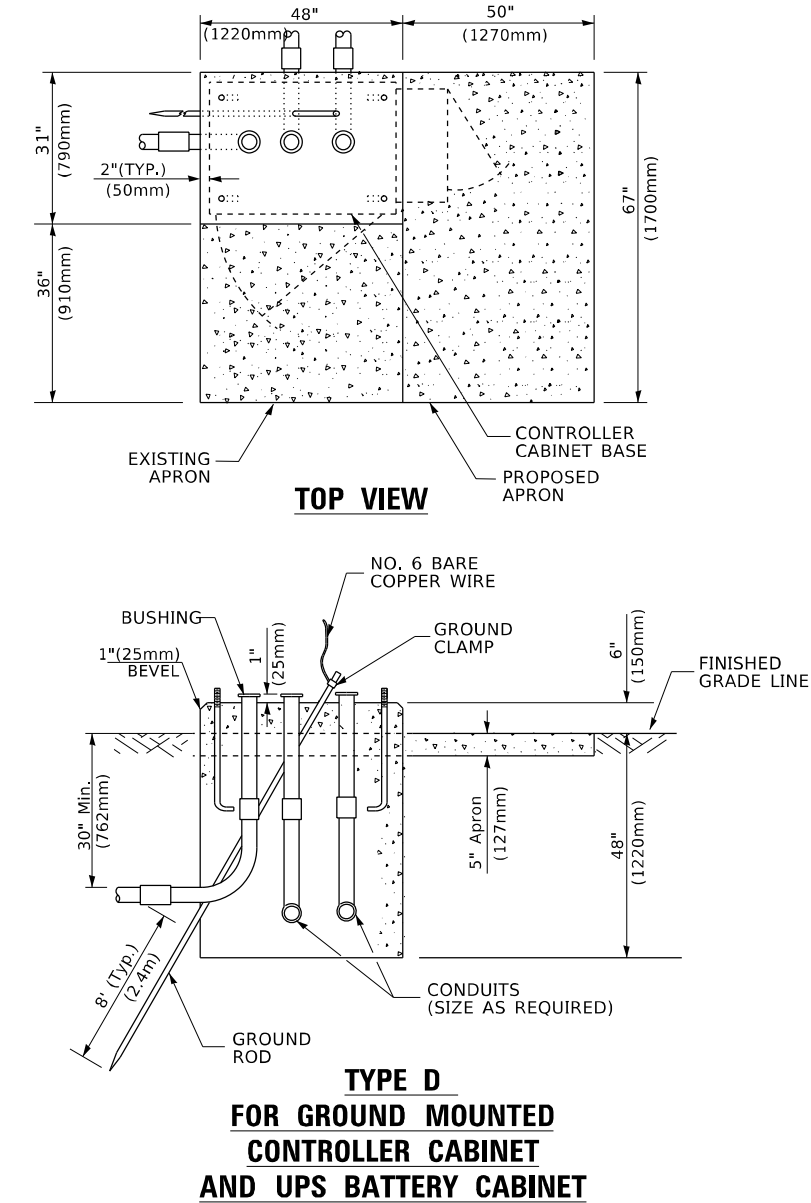
DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

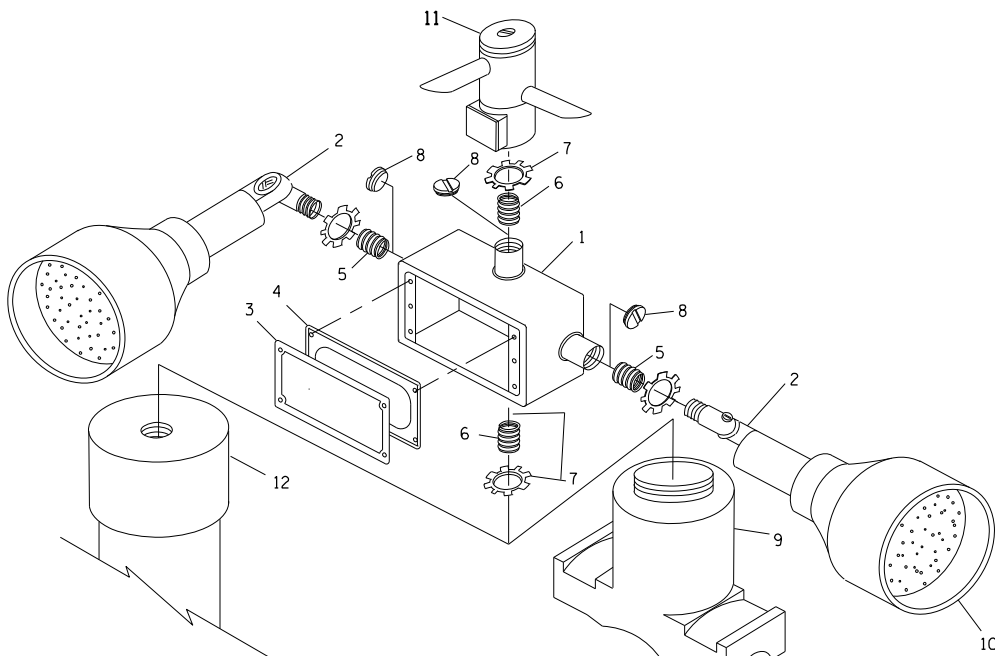
- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
- Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
- For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E



NOTES:

- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..



POST CAP MOUNT

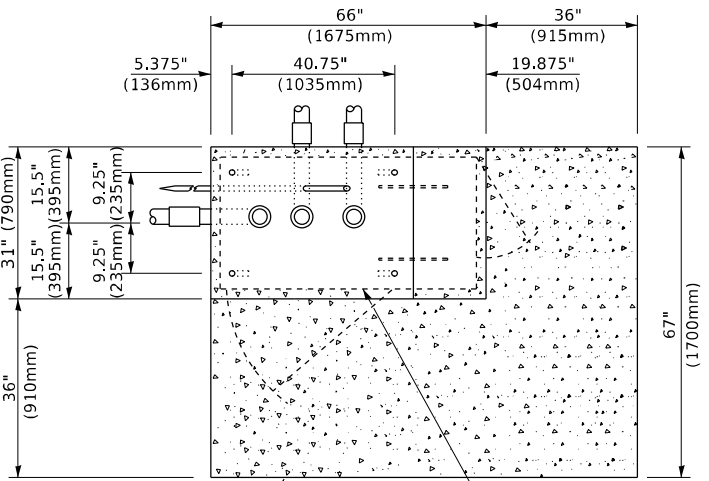
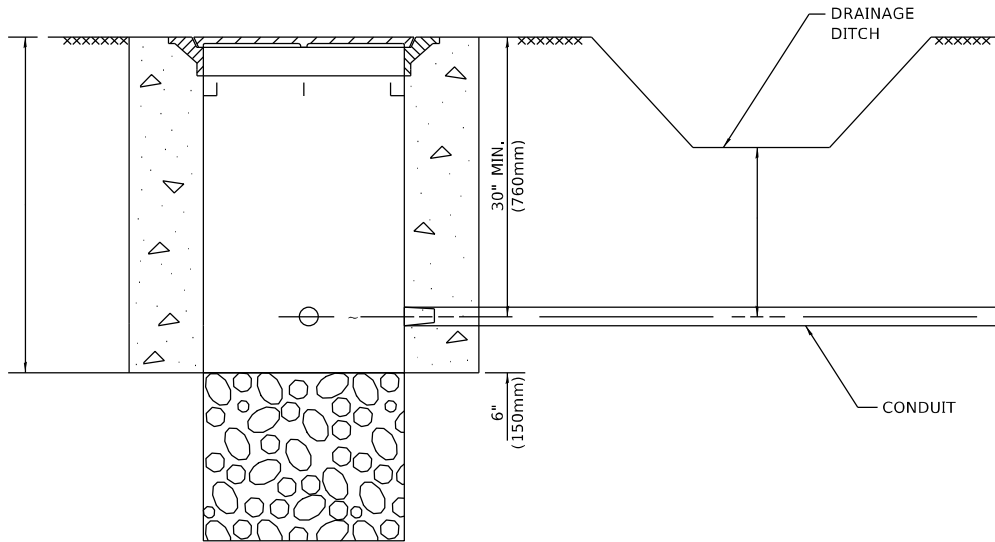
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION
BEACON MOUNTING DETAIL

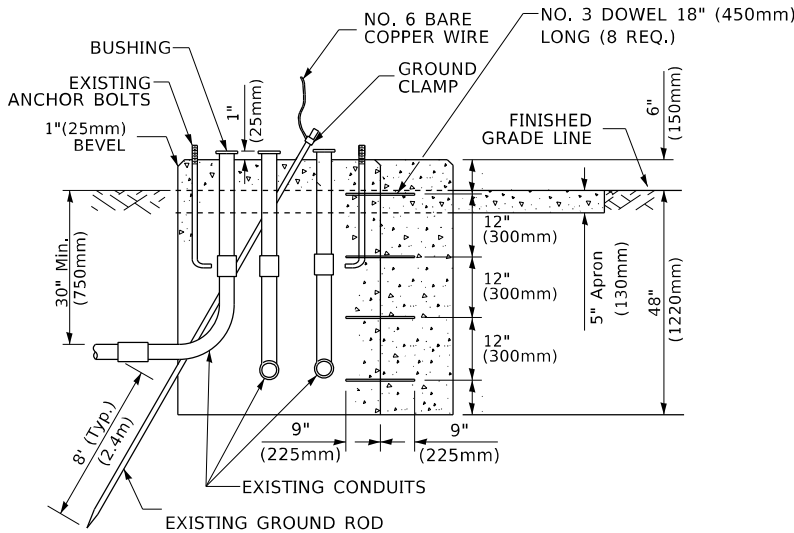
NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)

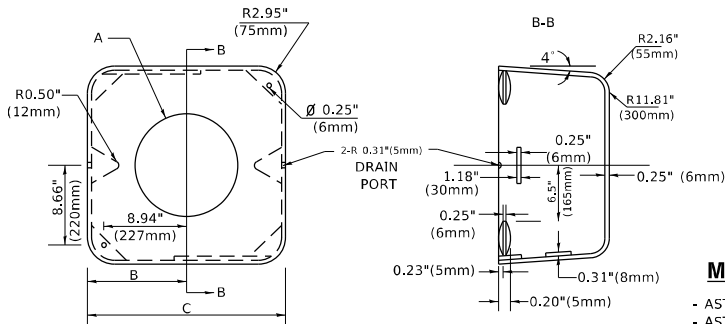


MODIFY EXISTING TYPE "D" FOUNDATION
TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

NOTES:

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



MATERIAL

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

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

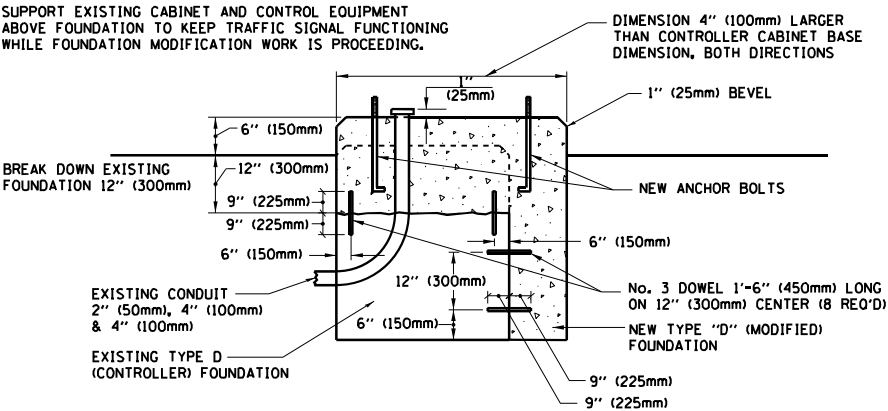
SHROUD

NOTES:

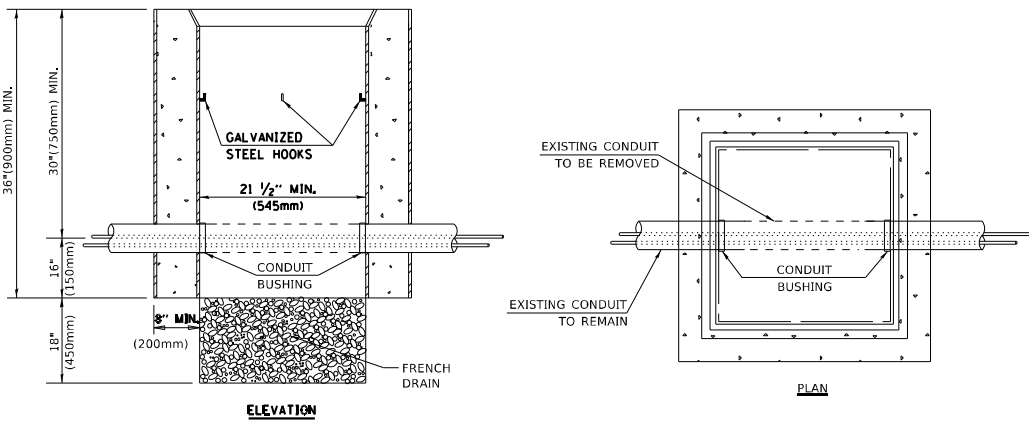
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



ELEVATION

PLAN

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

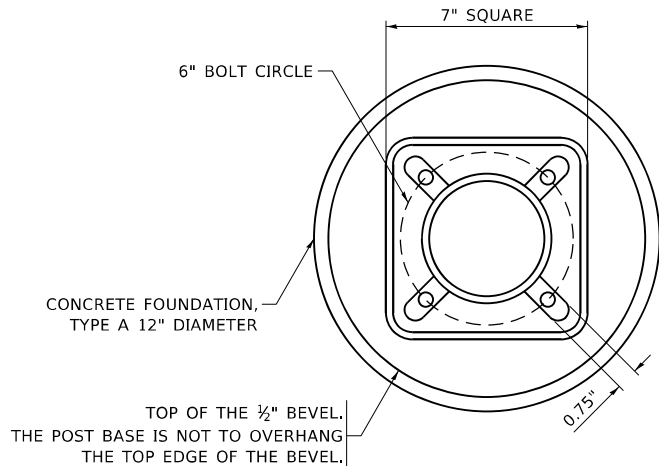
USER NAME = kobyllkaka	DESIGNED -	REVISED -
DRAWN -	REVISED -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 6/30/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

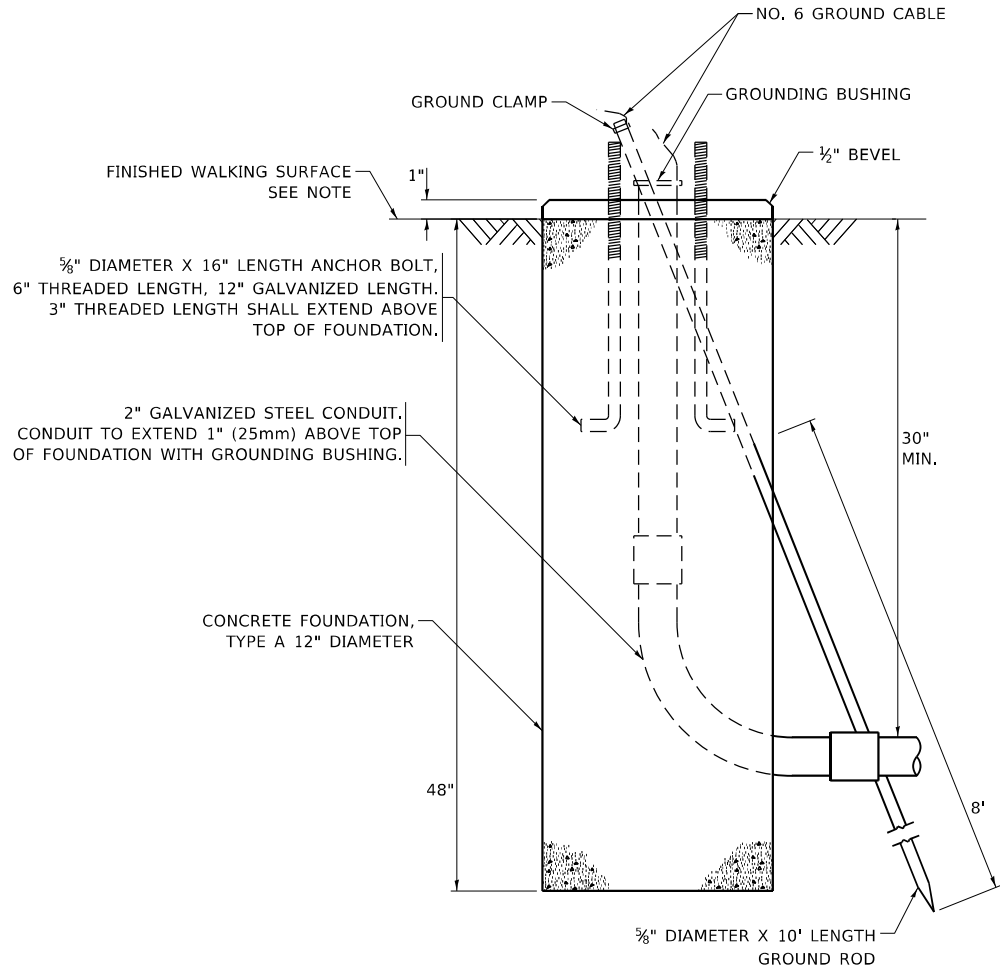
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	12
TS-05		CONTRACT NO. 62R81		
ILLINOIS		FED. AID PROJECT		



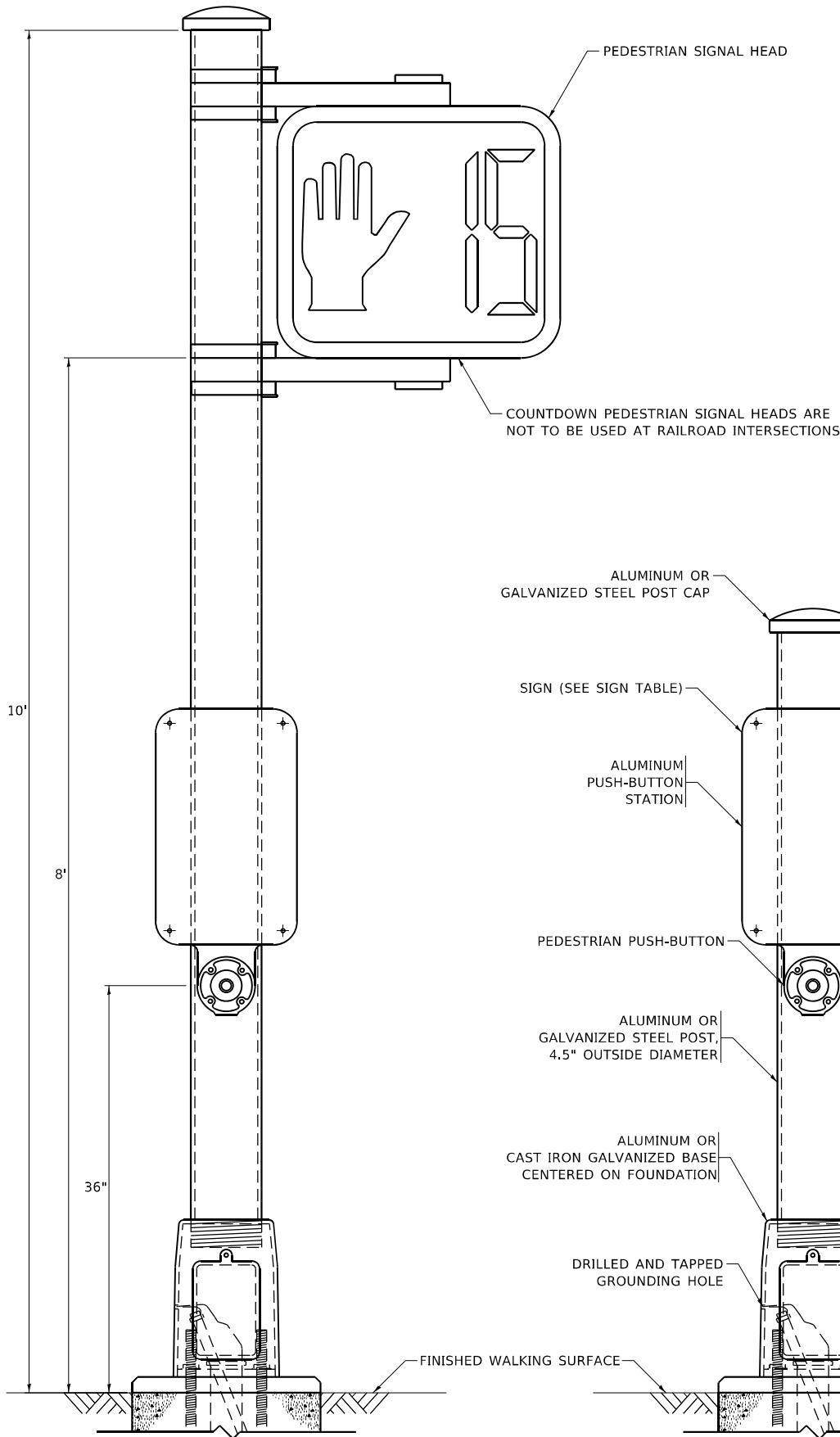
BOLT PATTERN

NOTE:

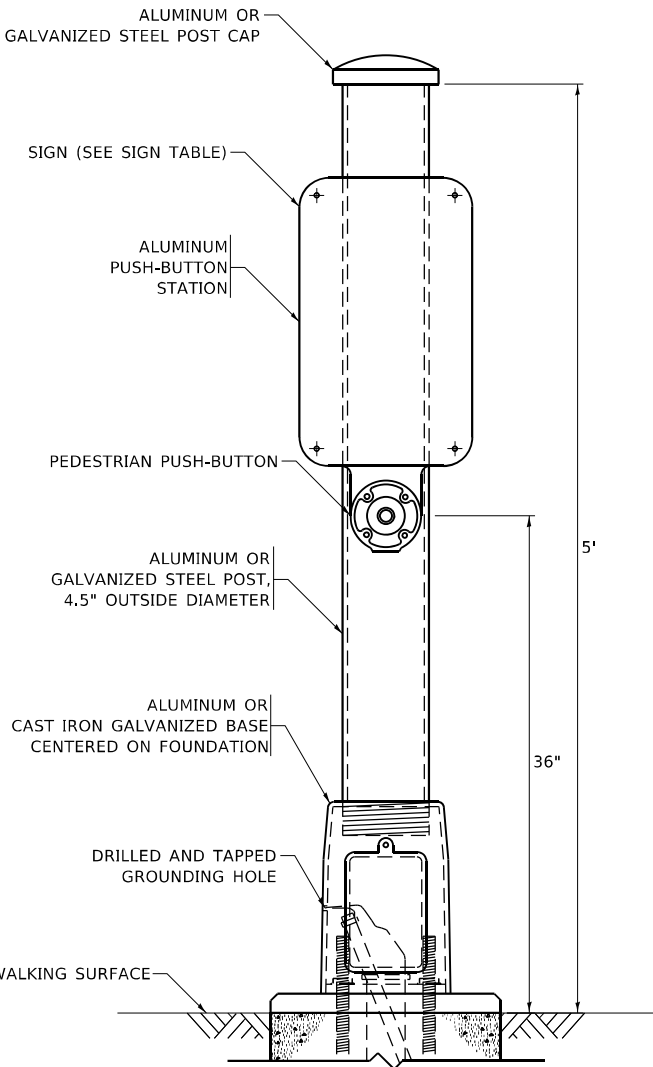
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



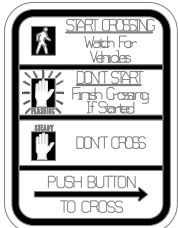
**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**



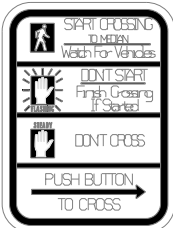
PEDESTRIAN SIGNAL POST, 10 FT.



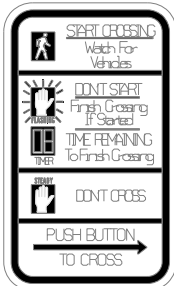
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

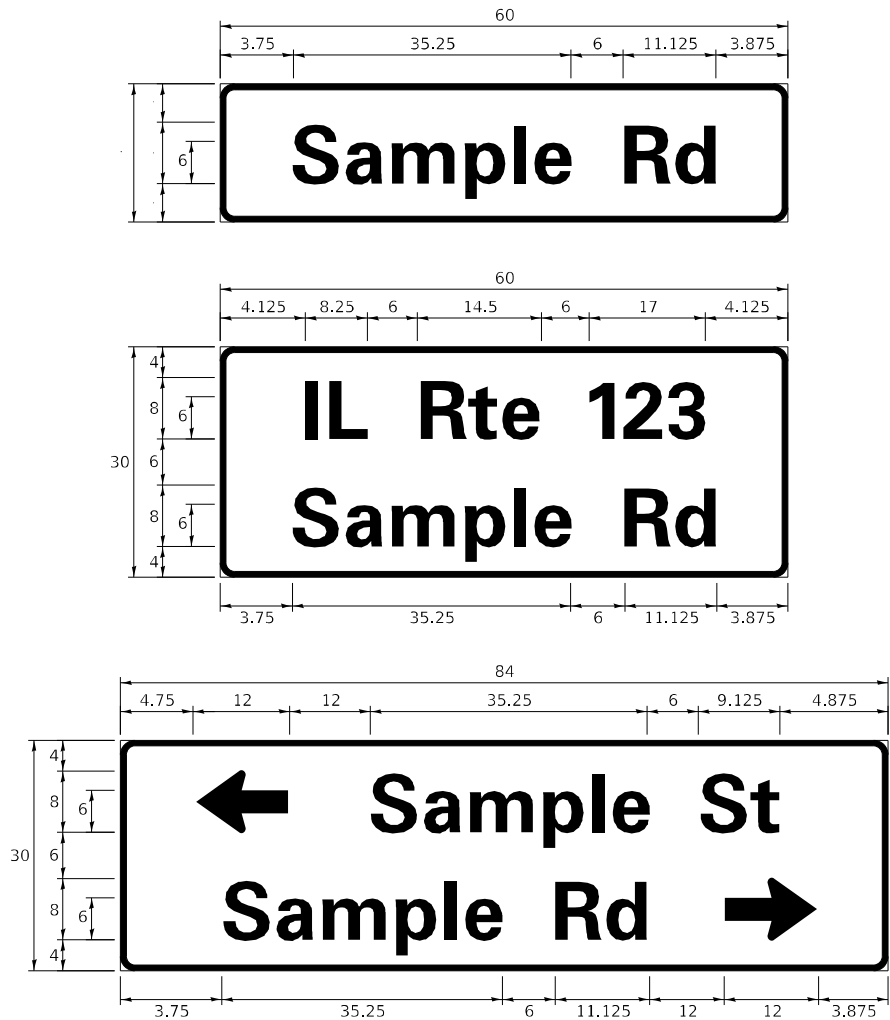
SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES “C”	SERIES “D”
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

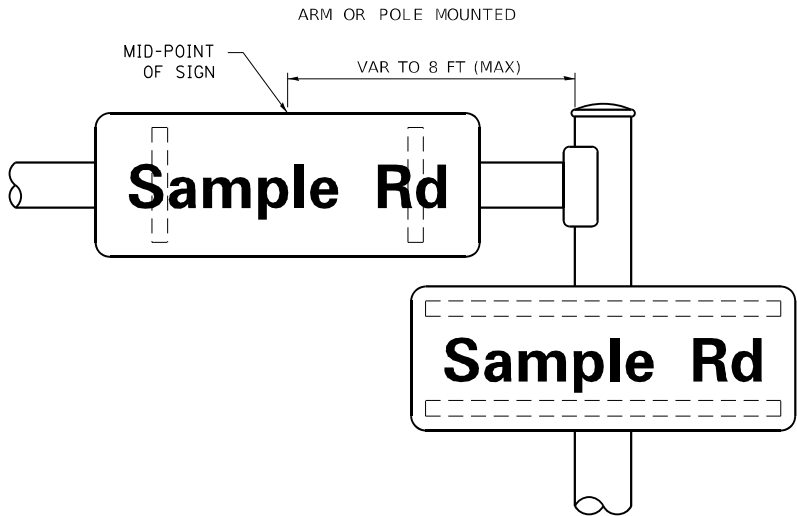
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

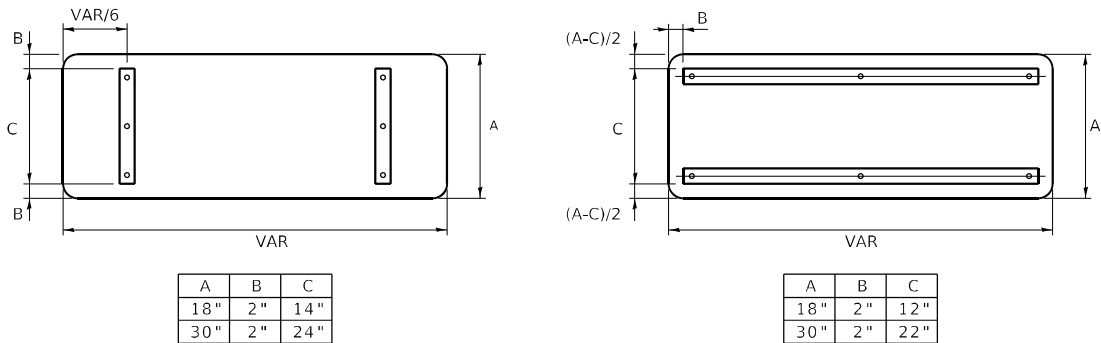
- SIGN CHANNEL
SIGN SCREWS
PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRAKETS

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRAKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

USER NAME = koby/kaka

DESIGNED - LP/IP

REVISED - LP 07/01/2015

DRAWN - LP

CHECKED - IP

REVISED -

PLOT SCALE = 40,0000 ' / in.

DATE - 10/01/2014

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

VAR.

2022 TRAFFIC 01

COOK

241

14

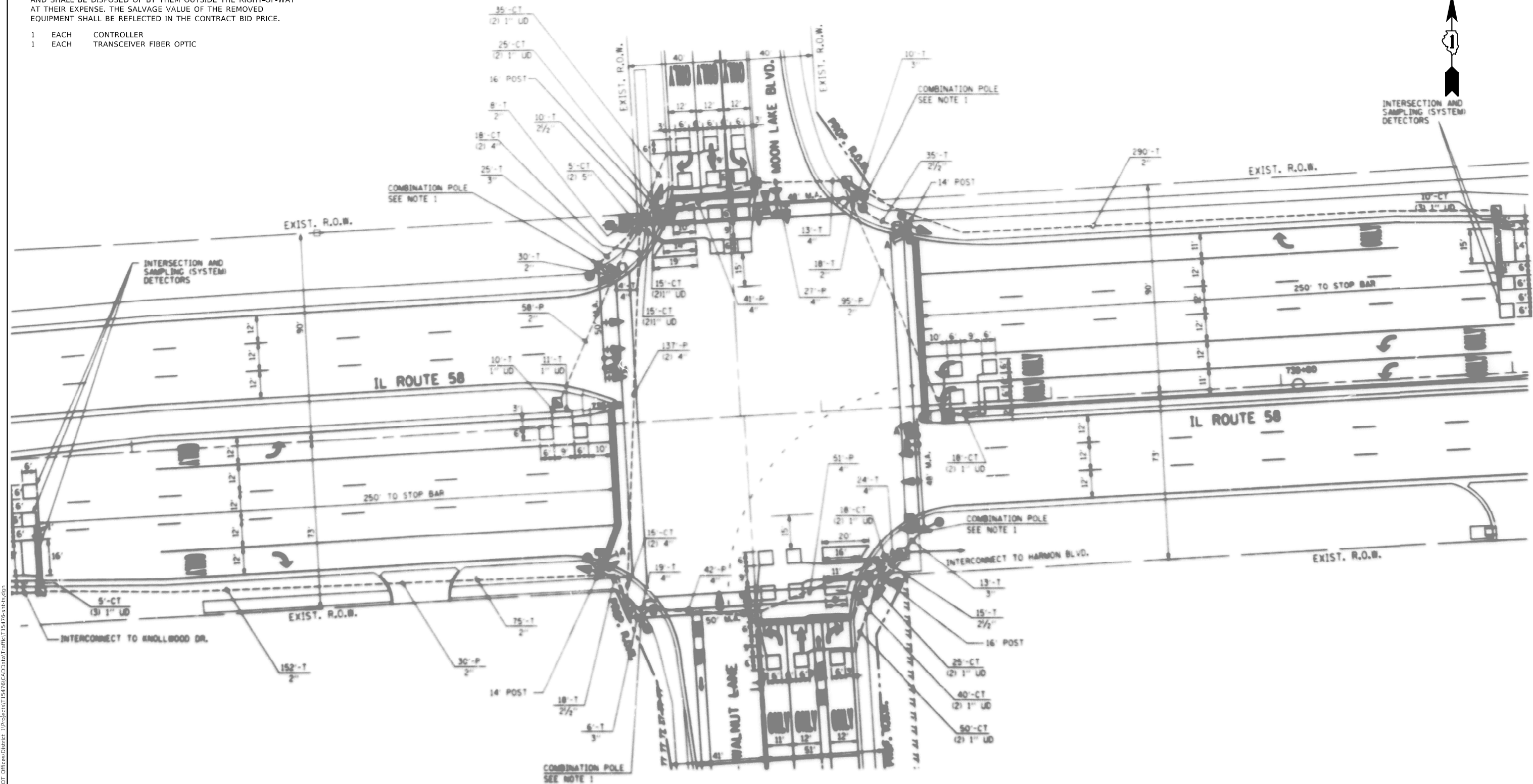
TS-02

CONTRACT NO. 62R81

ILLINOIS FED. AID PROJECT

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

- | | | |
|---|------|-------------------------|
| 1 | EACH | CONTROLLER |
| 1 | EACH | TRANSCEIVER FIBER OPTIC |



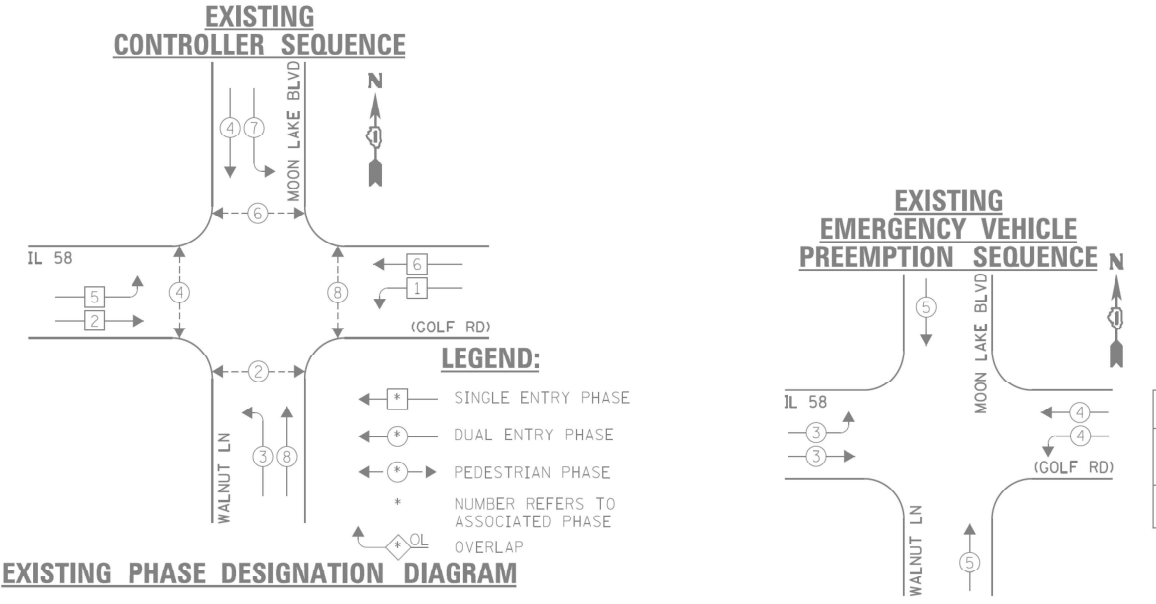
"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2870
IDOT CENTRACS
FORMER ECON 81

USER NAME = KamilKobylka	DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #1 IL 58 (GOLF RD.) AT MOON LAKE BLVD. INTERSECTION PLAN					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - GM	REVISED -							VAR.	2022 TRAFFIC 01	COOK	241	15
PLOT SCALE = 40,0000' / in.	CHECKED - DD	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.					CONTRACT NO. 62R81				
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -							ILLINOIS FED. AID PROJECT				

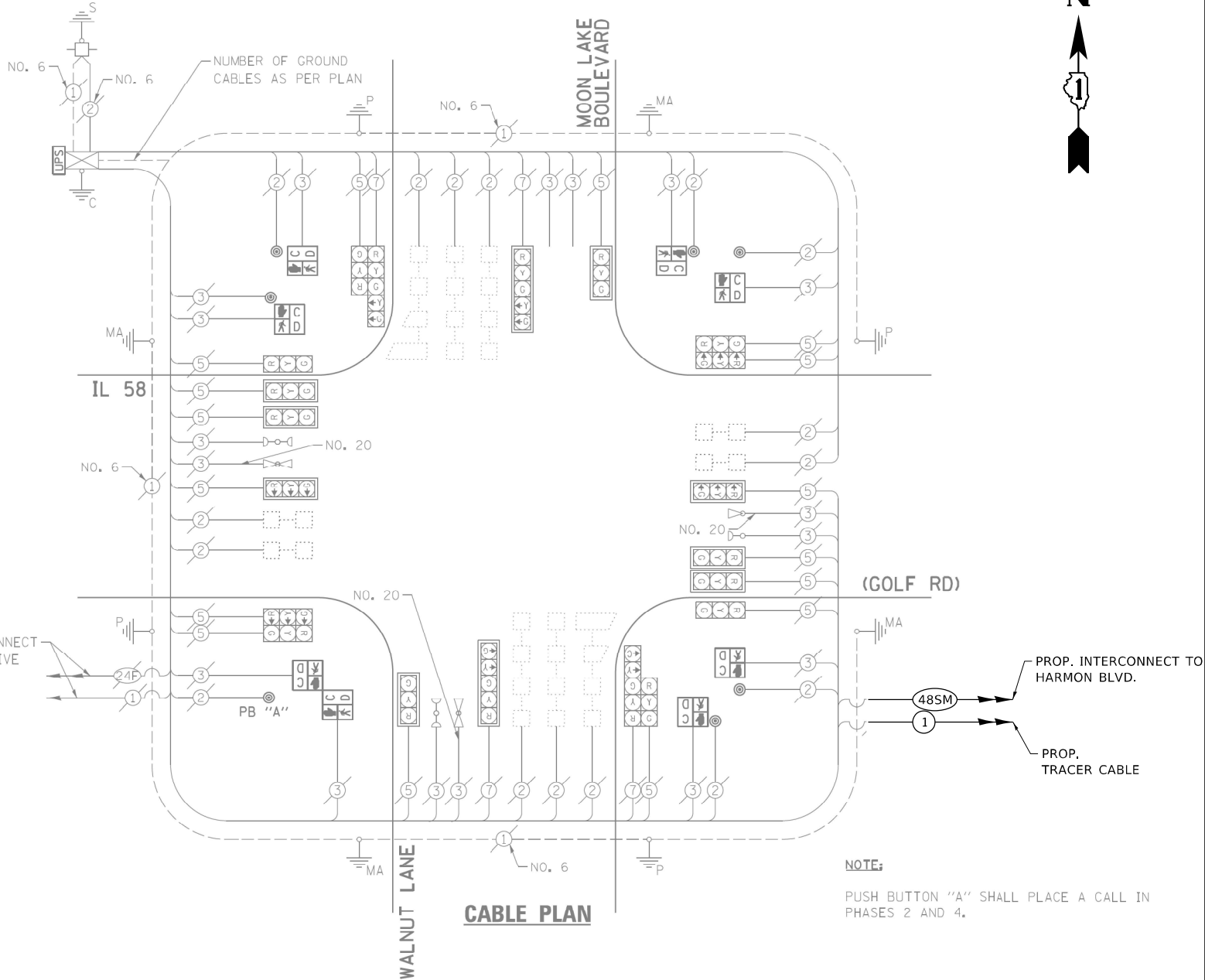
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	6
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1



EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	→

EXISTING INTERCONNECT TO KNOLLWOOD DRIVE



NOTE:
PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE	
TYPE	NO. LAMPS	WATTAGE			
		INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	20	135	17	0.50	170.0
SIGNAL (YELLOW)	20	135	25	0.25	125.0
SIGNAL (GREEN)	20	135	15	0.25	75.0
ARROW	8	135	12	0.10	9.2
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL =				704.2	
ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHALMBURG, IL 60196-1096 ENERGY SUPPLY - CONTACT: DAVE SCHACHT PHONE: 630-437-2129 COMPANY: COMED - OAKBROOK TERRACE					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #1
IL 58 (GOLF RD.) AT MOON LAKE BLVD. CABL PLAN

TS 2870
IDOT CENTRACS
FORMER ECON 81

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	16
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

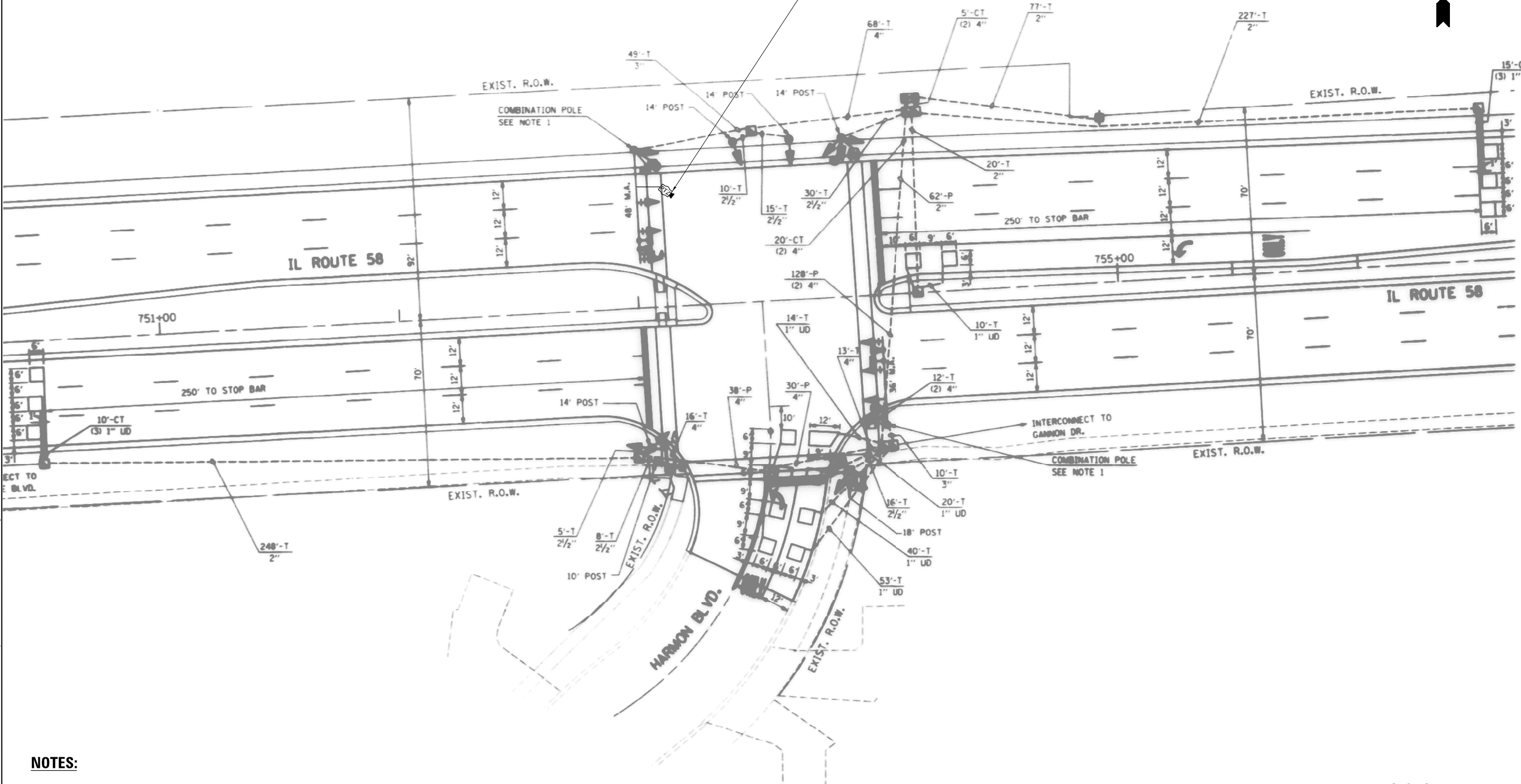
SCALE: SHEET OF SHEETS STA. TO STA.

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 BID PRICE,

- 1 EACH CONTROLLER
- 1 EACH TRANSCEIVER FIBER OPTIC

PTZ CAMERA TO BE MOUNTED ON EXISTING LUMINARE ARM (SEE NOTE)



NOTES:

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

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 21375
IDOT CENTRACS
FORMER ECON 81

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #2
IL 58 (GOLF RD.) AT HARMON BLVD. INTERSECTION PLAN

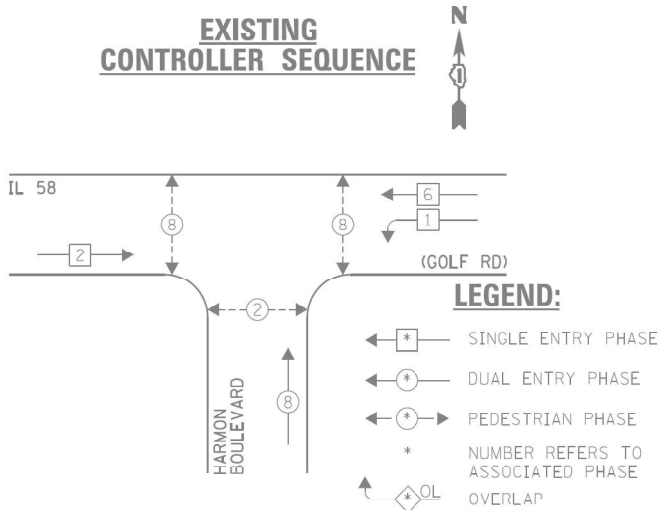
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	17
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	165
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6

EXISTING
CONTROLLER SEQUENCE

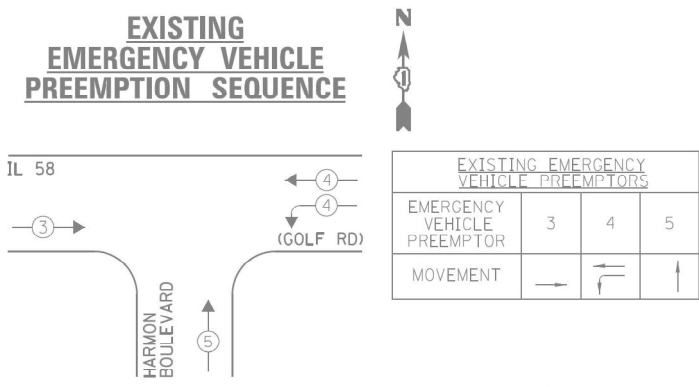


LEGEND:

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

EXISTING PHASE DESIGNATION DIAGRAM

EXISTING
EMERGENCY VEHICLE
PREEMPTION SEQUENCE



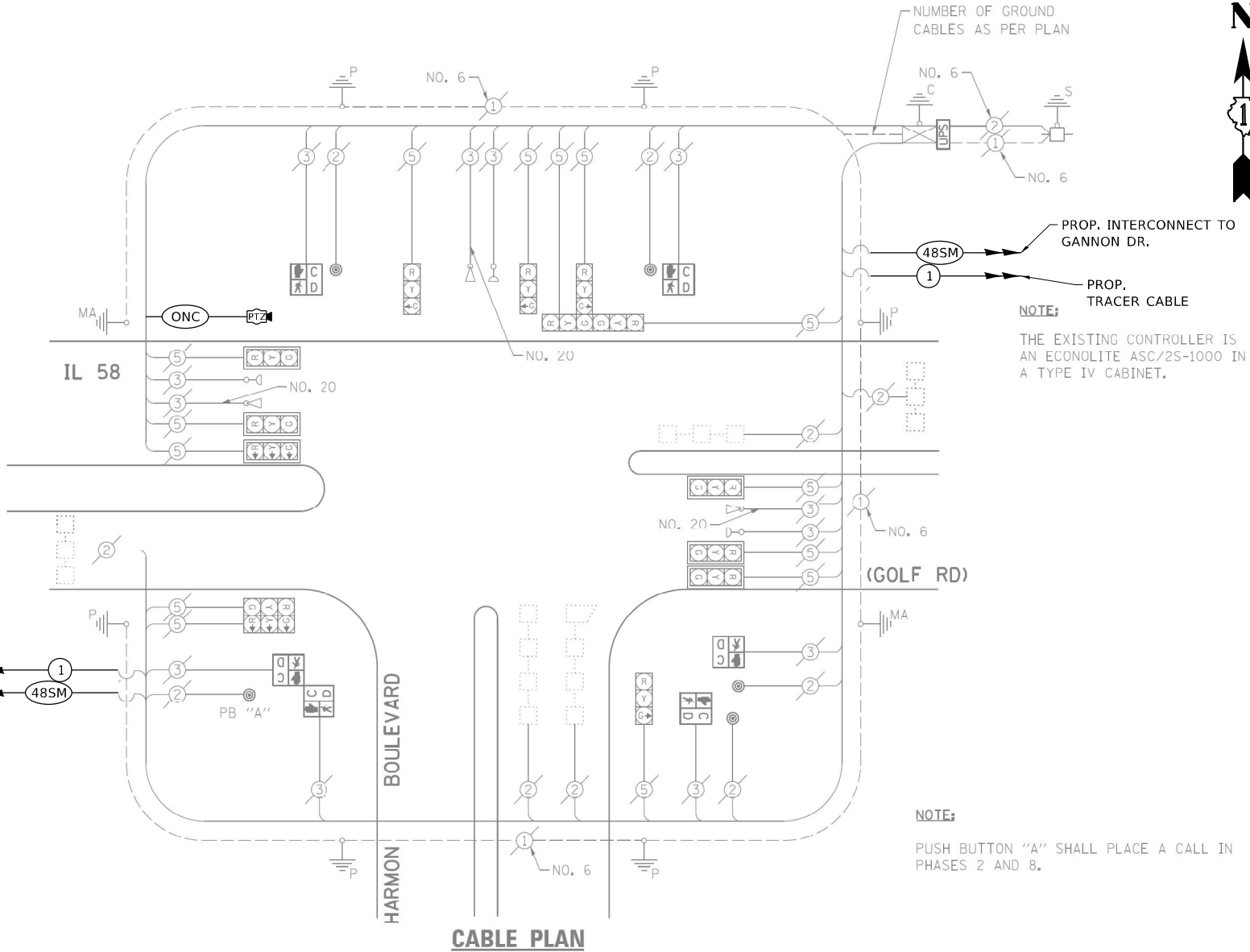
EXISTING EMERGENCY
VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	←	↑

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		OPERATION	
		INCAND.	L.E.D.		
SIGNAL (RED)	14	135	17	0.50	119.0
SIGNAL (YELLOW)	14	135	25	0.25	87.5
SIGNAL (GREEN)	14	135	15	0.25	52.5
ARROW	-	135	12	0.10	-
PED. SIGNAL	6	90	25	1.00	150.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL =					534.0
ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAUMBURG, IL 60196-1096 ENERGY SUPPLY - CONTACT: DAVE SCHACHT PHONE: 630-437-2129 COMPANY: COMED - OAKBROOK TERRACE					

PROP. TRACER CABLE

PROP. INTERCONNECT TO
MOON LAKE BLVD.



NOTE:

PUSH BUTTON "A" SHALL PLACE A CALL IN
PHASES 2 AND 8.

CABLE PLAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #2
IL 58 (GOLF RD.) AT HARMON BLVD. CABLE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

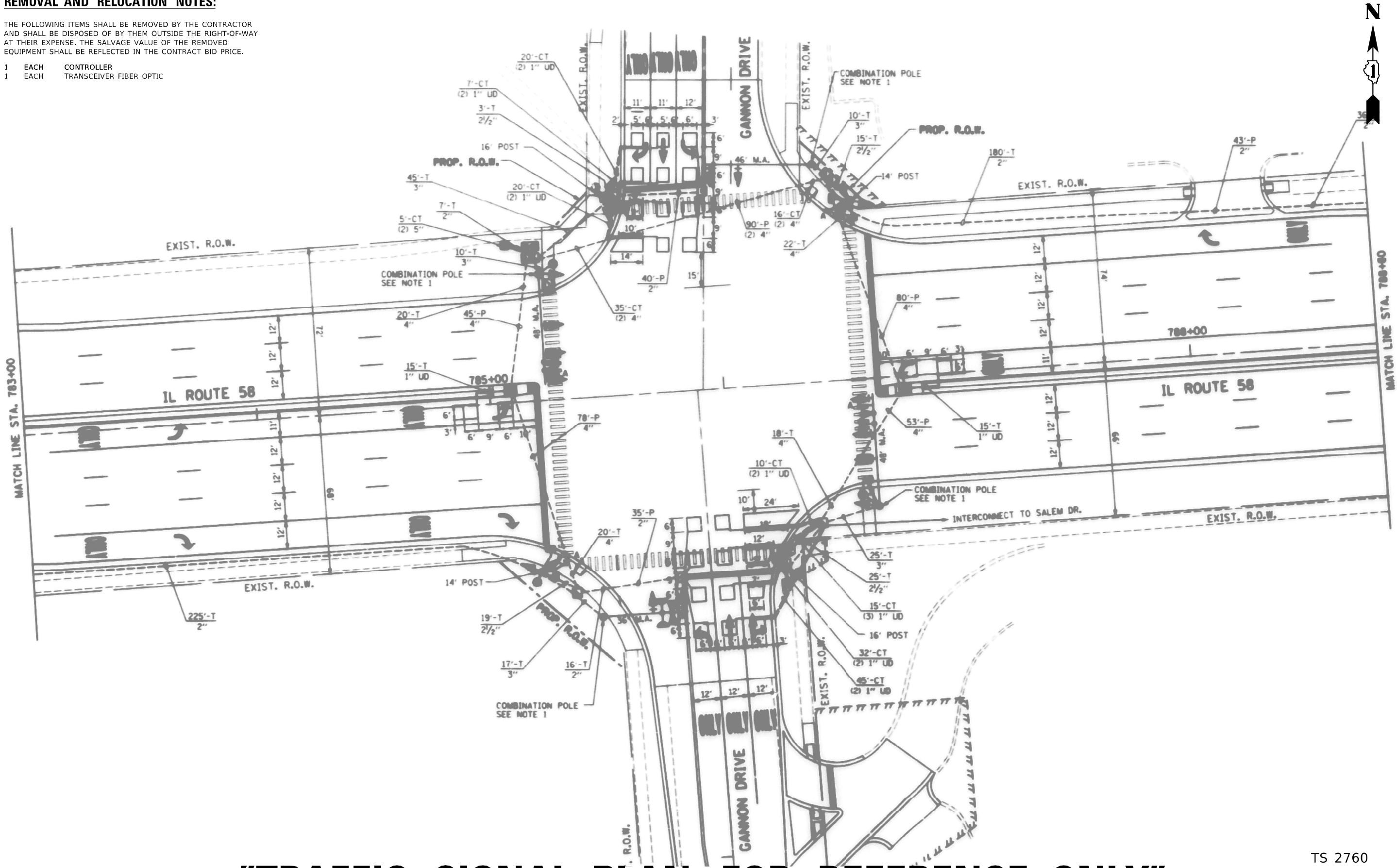
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	18
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

TS 21375
IDOT CENTRACS
FORMER ECON 81

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 BID PRICE.

- 1 EACH CONTROLLER
1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2760
IDOT CENTRACS
FORMER ECON 81

MODEL: Default
FILE: ts2760_traffic_signal_plan.dgn
PROJECT: TS 2760 - GANNON DRIVE INTERSECTION
DRAWN: KAMIL KOBLYKA
CHECKED: DD
DATE: 06/30/2022

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

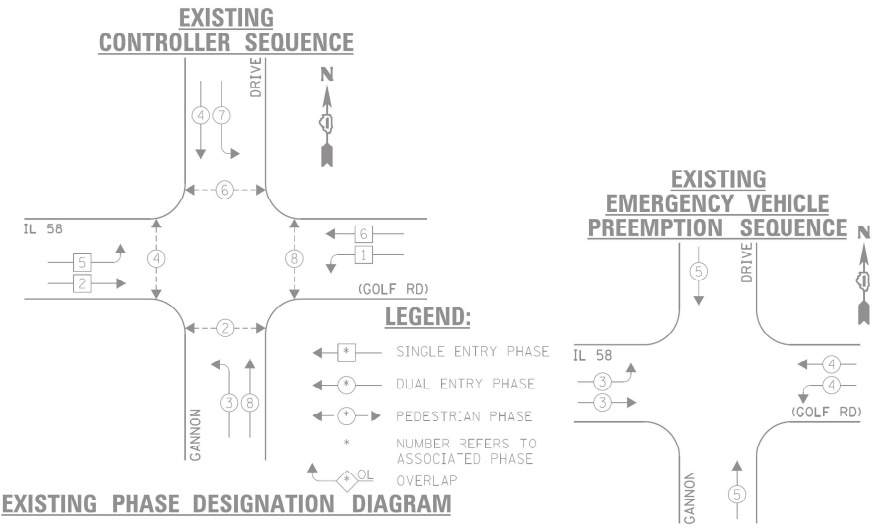
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #3			
IL 58 (GOLF RD.) AT GANNON DR. INTERSECTION PLAN			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	19
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6



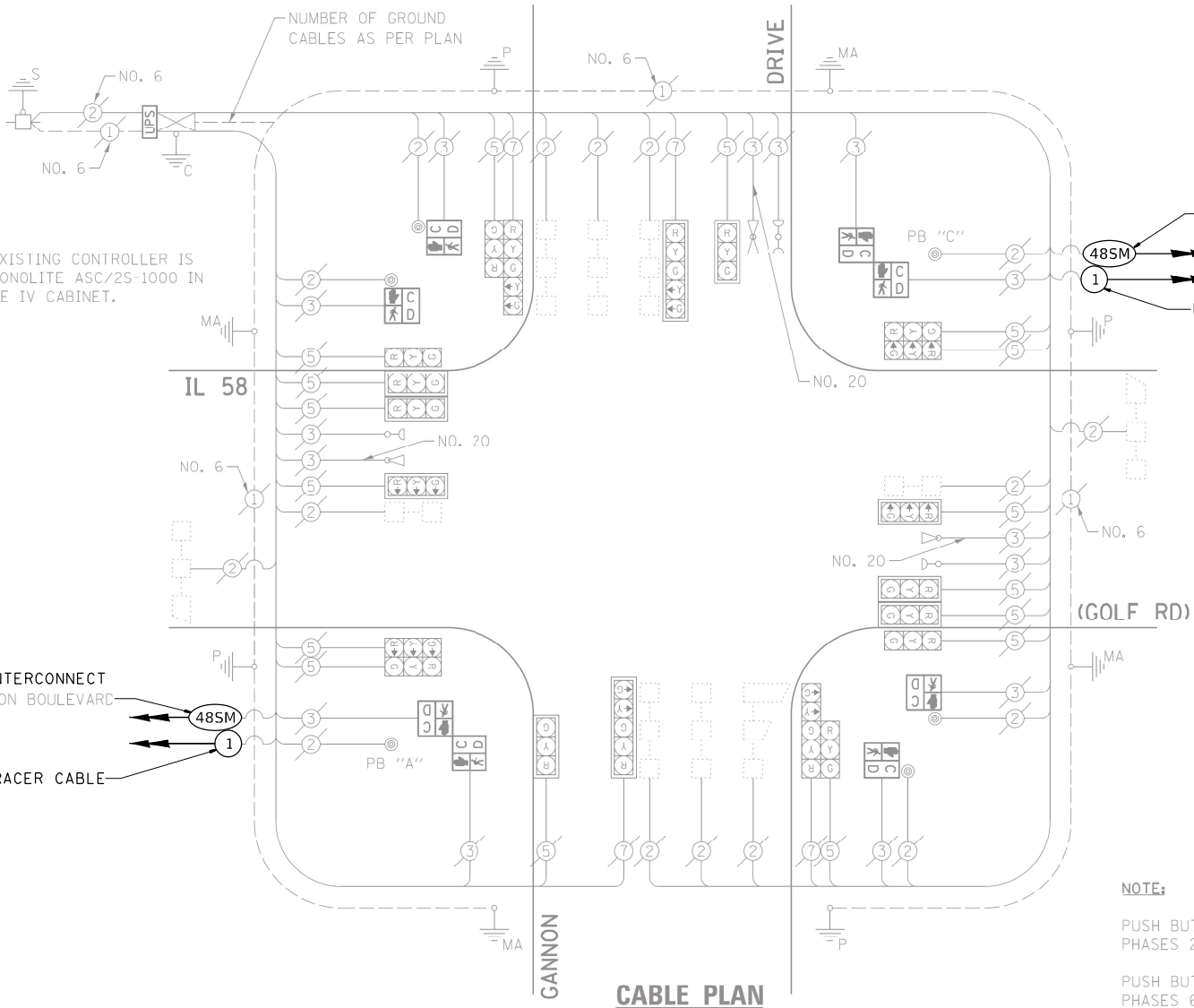
NOTE:

THE EXISTING CONTROLLER IS AN ECONOLITE ASC/2S-1000 IN A TYPE IV CABINET.

PROP. INTERCONNECT TO HARMON BOULEVARD

PROP. TRACER CABLE

EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		



NOTE:

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.

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

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		OPERATION	
		INCAND.	L.E.D.		
SIGNAL (RED)	20	135	17	0.50	170.0
SIGNAL (YELLOW)	20	135	25	0.25	125.0
SIGNAL (GREEN)	20	135	15	0.25	75.0
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL =					704.6
ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAUMBURG, IL 60196-1096 ENERGY SUPPLY - CONTACT: DAVE SCHACHT PHONE: 630-437-2129 COMPANY: COMED - OAKBROOK TERRACE					

TS 2760
IDOT CENTRACS
FORMER ECON 81

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #3
IL 58 (GOLF RD.) AT GANNON DR. CABLE PLAN

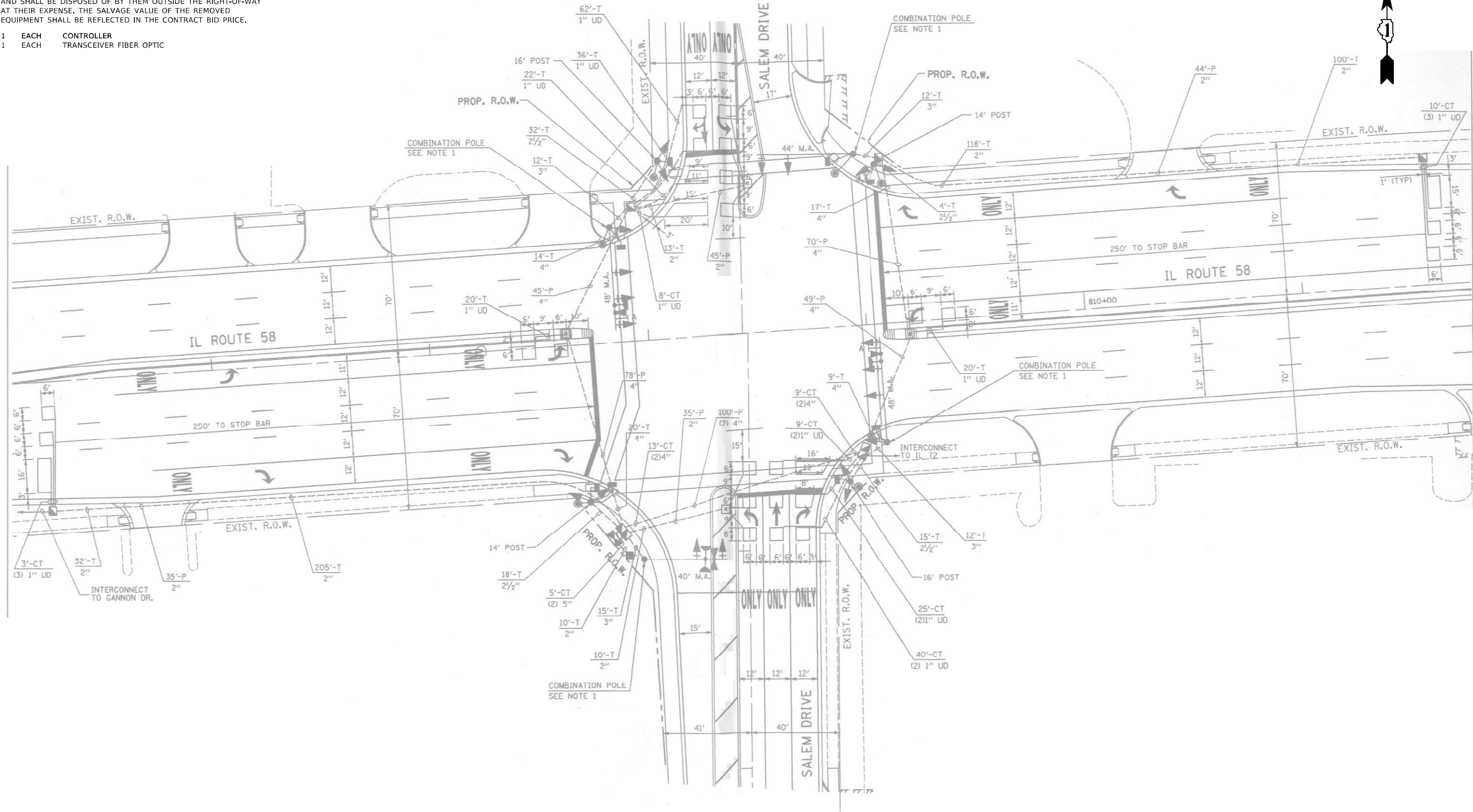
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	20
CONTRACT NO. 62R81				
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 BID PRICE.

- 1 EACH CONTROLLER
- 1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2795
IDOT CENTRACS
FORMER ECON 81

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
DRAWN - GM	REVIS	
PLOT SCALE = 40,0000' / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #4
IL 58 (GOLF RD.) AT SALEM DR. INTERSECTION PLAN

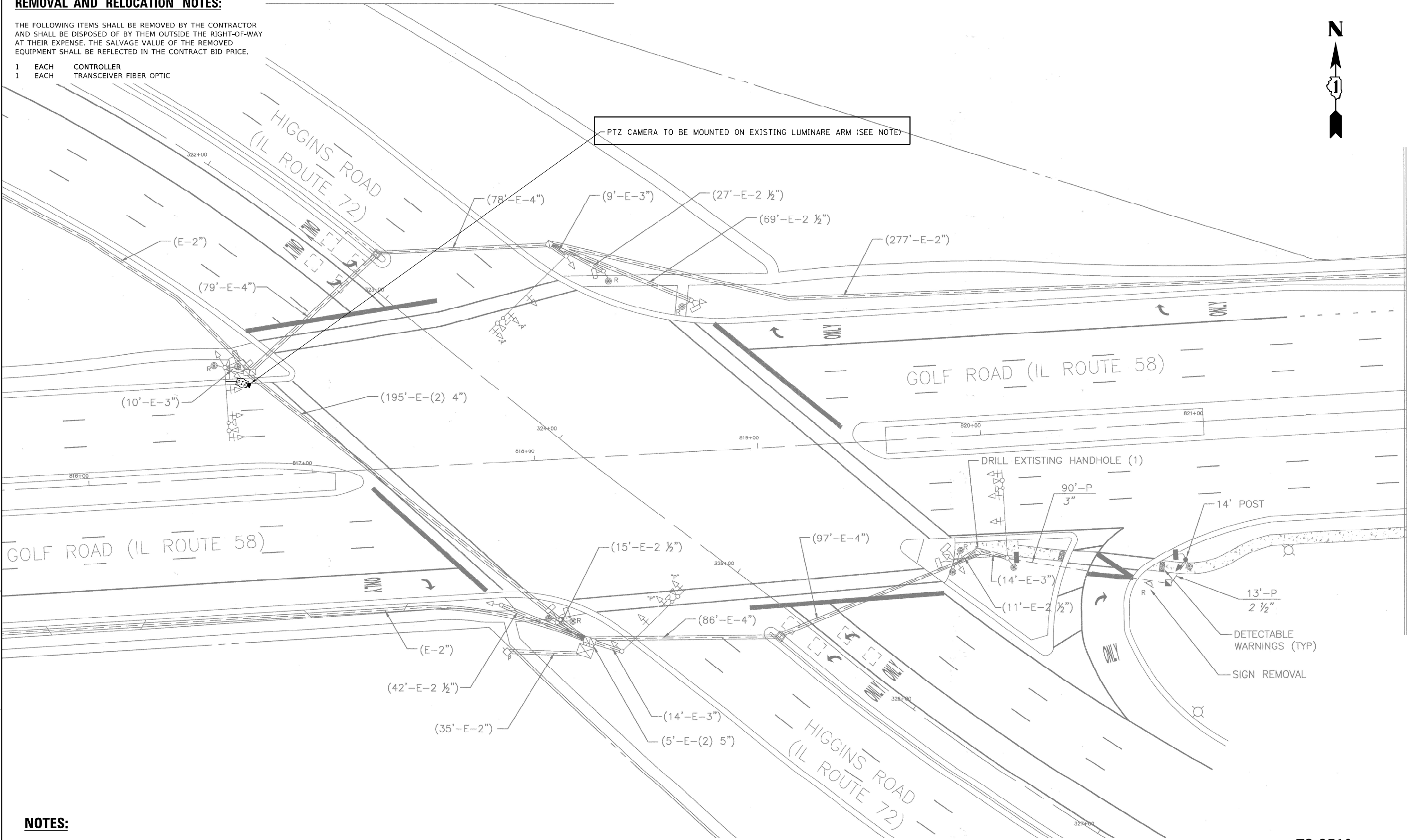
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	21
CONTRACT NO. 62R81				
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 BID PRICE.

- 1 EACH CONTROLLER
- 1 EACH TRANSCEIVER FIBER OPTIC



NOTES:

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

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

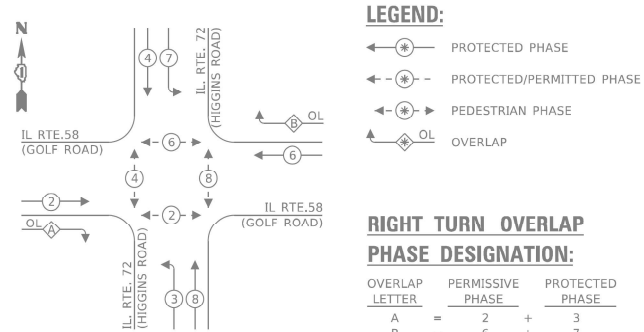
TS 2710
IDOT CENTRACS
FORMER ECON 81

MODEL: Default FILE: \\nashville-prod\idsw-bentley.com\PIV\DOT\Documents\DOT Offices\District 1\Projects\T15476\CADD\at\Traffic\T15476-INT-1.dgn	USER NAME = Kamil.Kobylka		DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #5 IL 58 (GOLF RD.) AT IL 72 (HIGGINS RD.) INTERSECTION PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - GM		REVIS	REVIS						VAR.	2022 TRAFFIC 01	COOK	241	23
	PLOT SCALE = 40,0000 * / in.		CHECKED - DD	REVIS						CONTRACT NO. 62R81				
	PLOT DATE = 8/15/2022		DATE - 06/30/2022	REVIS						ILLINOIS FED. AID PROJECT				
					SCALE:		SHEET	OF	SHEETS	STA.	TO STA.			

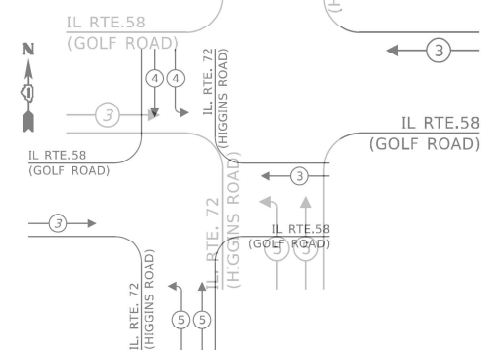
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	275
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	48
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
LAYER III (NETWORK) SWITCH	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



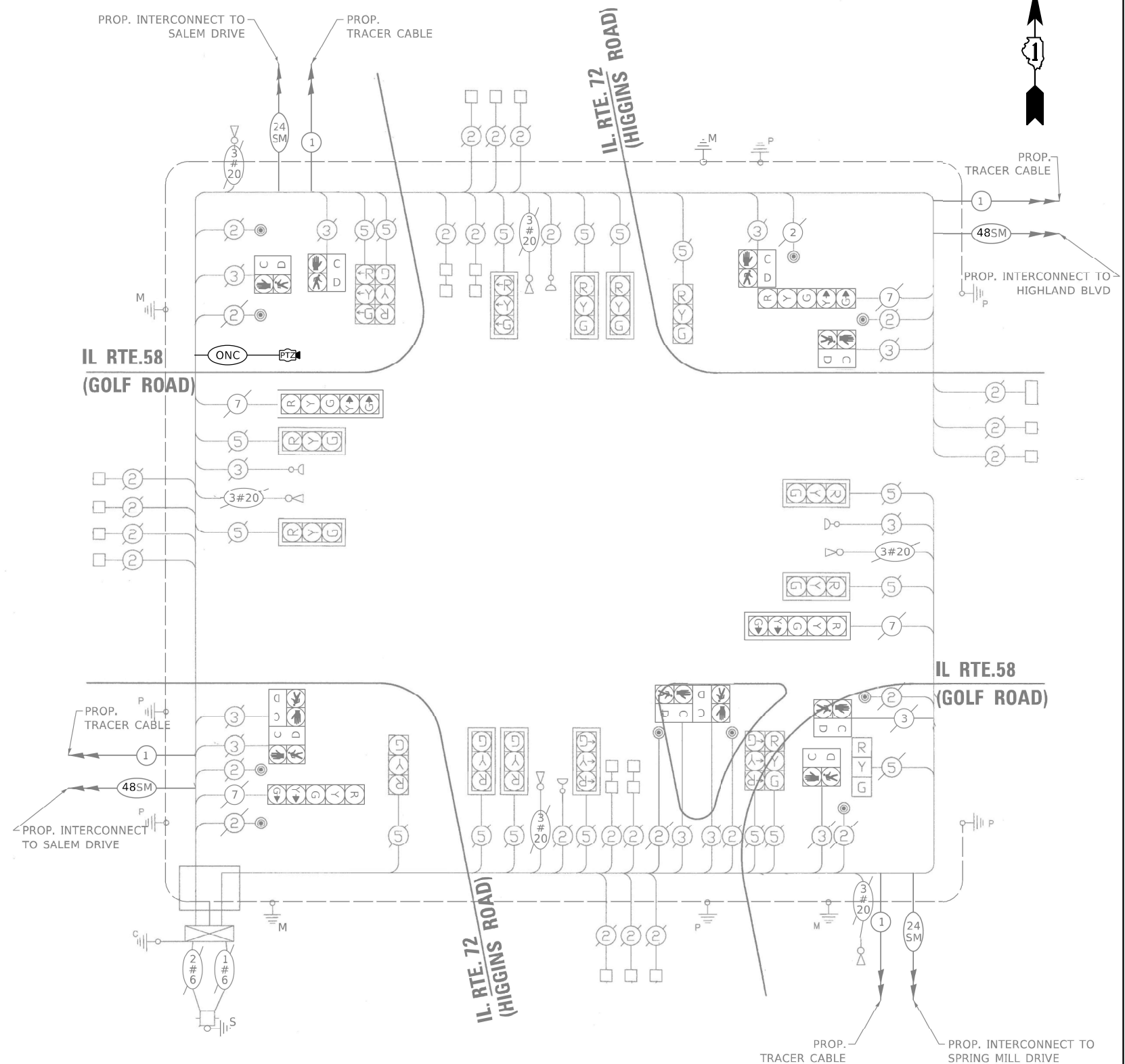
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	21	11	50	115.5
(YELLOW)	21	20	5	21.0
(GREEN)	21	12	45	113.4
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	10	20	100	200.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	582.9

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER COURT
SCHAUMBURG, IL 60196-1096

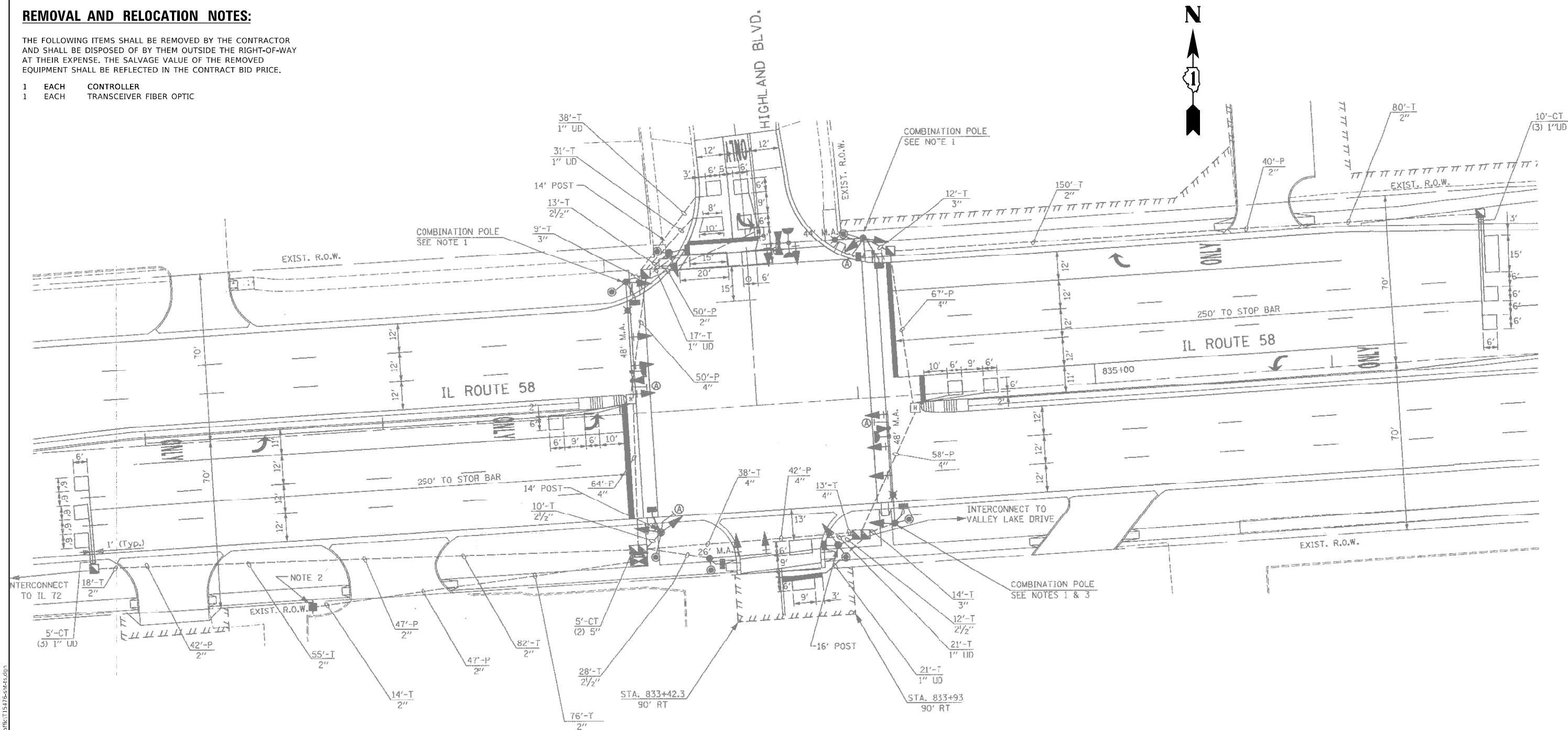
ENERGY SUPPLY: CONTACT: DAVE DCHSCHT
PHONE: 630-437-2129
COMPANY: ComEd
ACCOUNT NUMBER: ---



TS 2710
IDOT CENTRACS
FORMER ECON 81

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

- | | | |
|---|------|-------------------------|
| 1 | EACH | CONTROLLER |
| 1 | EACH | TRANSCEIVER FIBER OPTIC |



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2790
IDOT CENTRACS
FORMER ECON 81

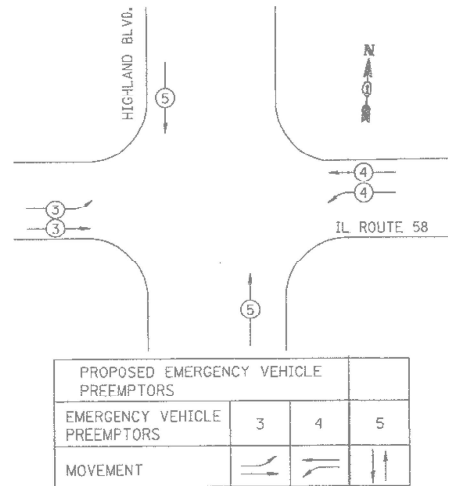
[illegible]

MODEL: Default

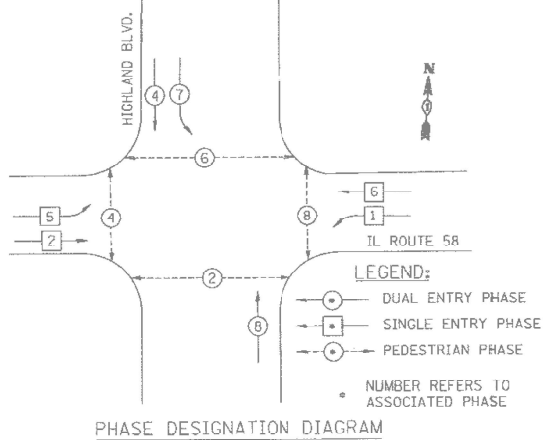
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6

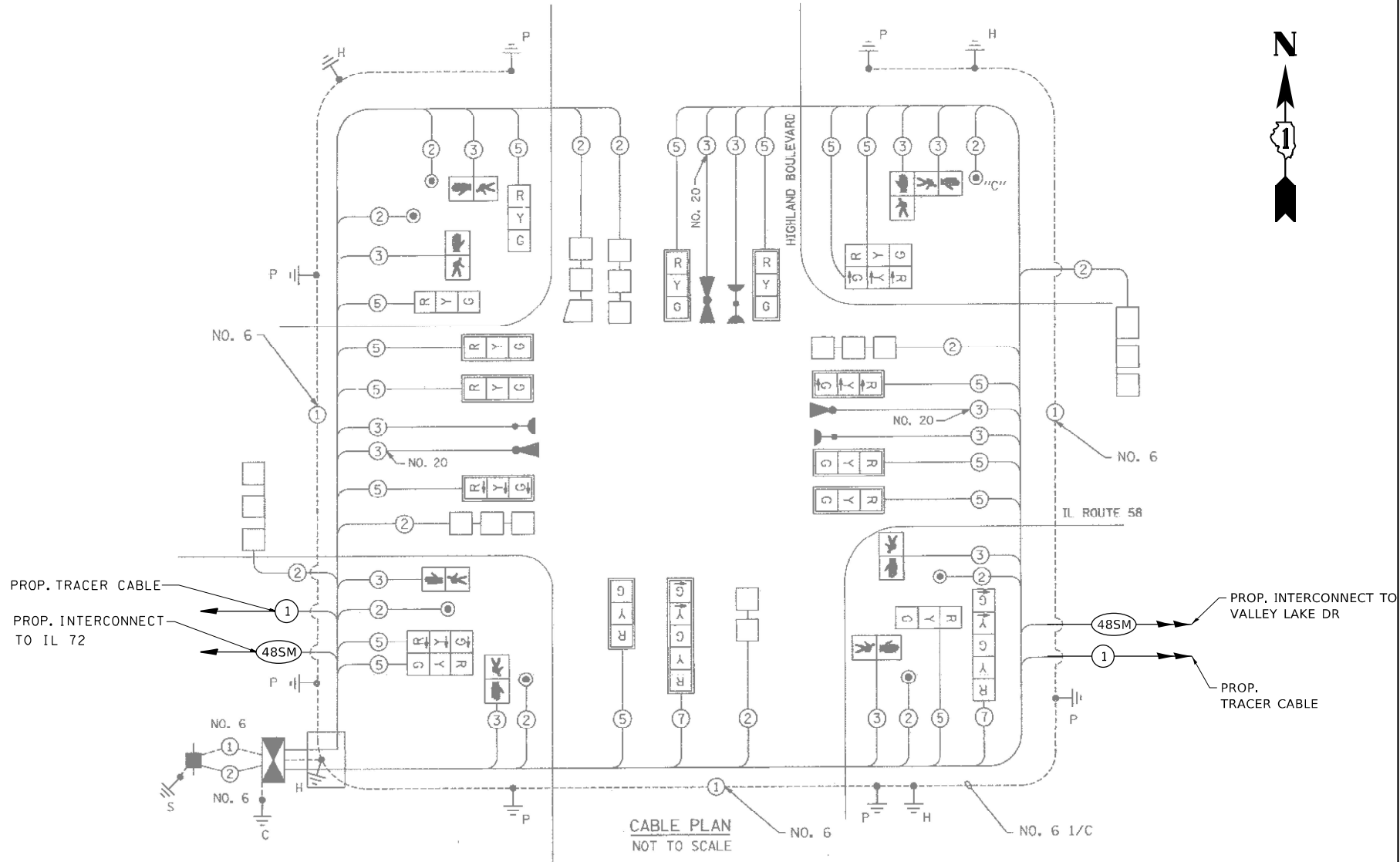
EMERGENCY VEHICLE PREEMPTION SEQUENCE



CONTROLLER SEQUENCE



PROP. TRACER CABLE
PROP. INTERCONNECT
TO IL 72



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL VOLTAGE
TYPE	NO. LAMPS	WATTAGE	% OPERATION	
SIGNAL (RED)	18	135	0.50	1215
(YELLOW)	18	135	0.25	607.5
(GREEN)	18	135	0.25	607.5
ARROW	4	135	0.10	54
PED. SIGNAL	8	90	1.00	720
CONTROLLER	1	300	1.00	300
ILLUM. SIGN	-	-	0.05	-
FLASHER	-	-	0.50	-
			TOTAL =	3504

ENERGY COST TO: Illinois Department of Transportation
Division of Highways / District 1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #6
IL 58 (GOLF RD.) AT HIGHLAND BLVD. CABLE PLAN

TS 2790
IDOT CENTRACS
FORMER ECON 81

USER NAME = Kamil.Kobylka
PLOT SCALE = 40,0000 * / in.
PLOT DATE = 8/15/2022

DESIGNED - KK
DRAWN - GM
CHECKED - DD
DATE - 06/30/2022

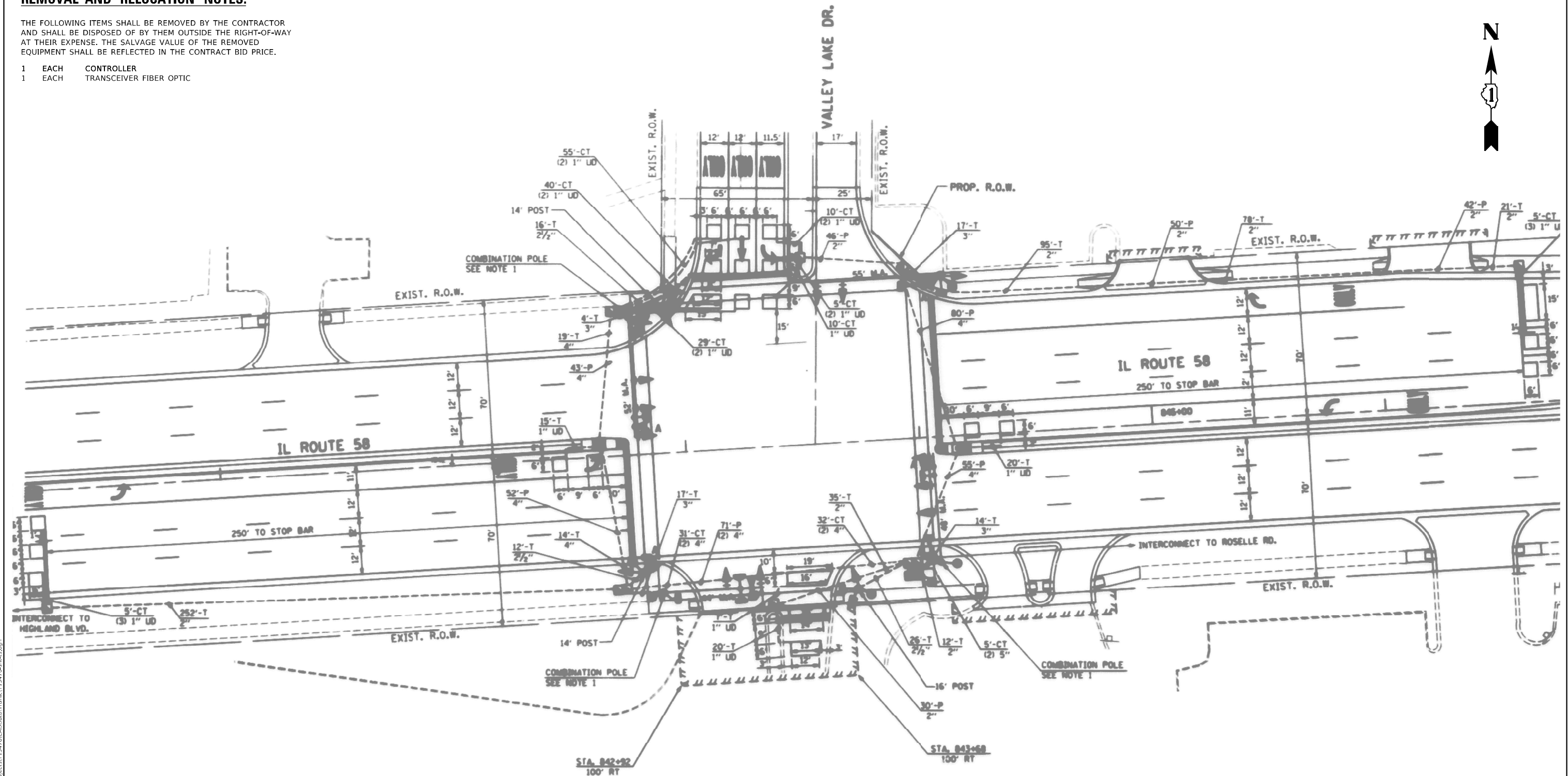
REVISED - KK - 08-12-2022
REVISED -
REVISED -
REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	26
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

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

- | | | |
|---|------|-------------------------|
| 1 | EACH | CONTROLLER |
| 1 | EACH | TRANSCEIVER FIBER OPTIC |



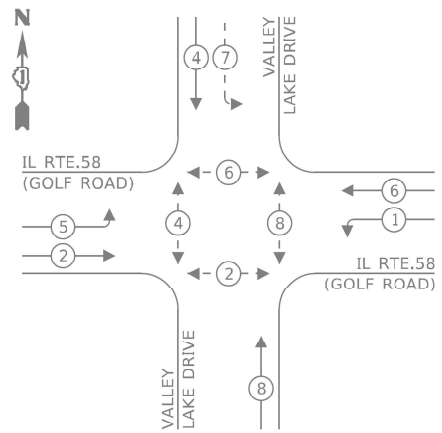
"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2880
IDOT CENTRACS
FORMER ECON 81

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">LOCATION #7 IL 58 (GOLF RD.) AT VALLEY LAKE RD. INTERSECTION PLAN</p>					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - GM	REVISED -							VAR.	2022 TRAFFIC 01	COOK	241	27
PLOT SCALE = 40,0000' / in.	CHECKED - DD	REVISED -		<p>SCALE: SHEET OF SHEETS STA. TO STA.</p>					CONTRACT NO. 62R81				
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -							ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: new\ilnot-aw-beat\aw.com-pw\DOT Documents\DOT_Offices\District_1\Projects\T15476\CADData\Traffic\T15476-shrfts.dwg

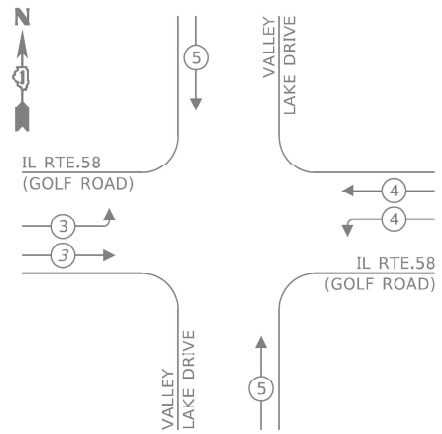
PROPOSED CONTROLLER SEQUENCE



LEGEND:

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

PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				527

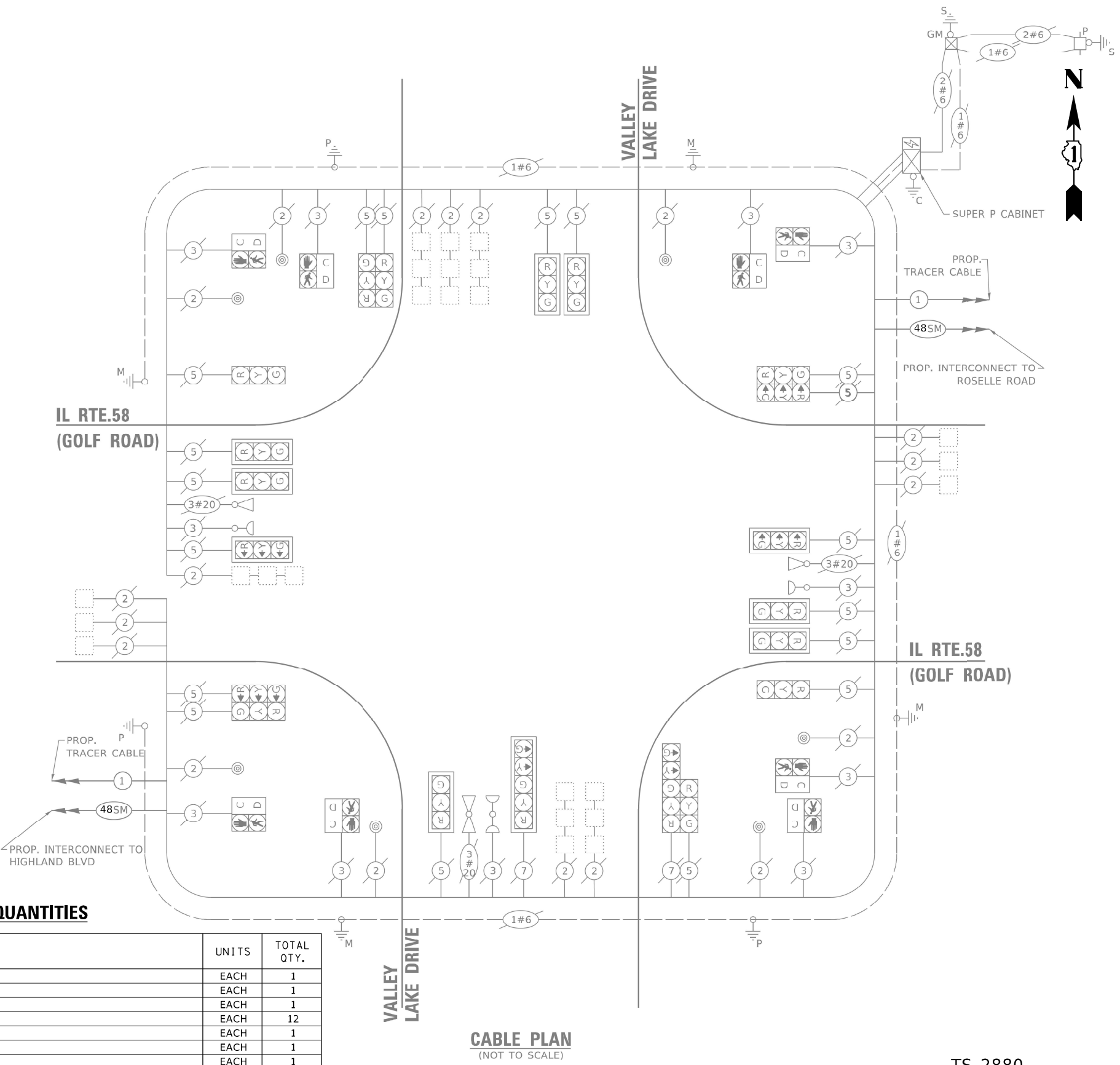
ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: DAVE DCHSCHT
PHONE: 630-437-2129
COMPANY: ComEd
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6



CABLE PLAN
(NOT TO SCALE)

TS 2880
IDOT CENTRACS
FORMER ECON 81

MODEL: Default
FILE: ts2880_2022_traffic_01.dgn
PROJECT: TS 2880 IDOT CENTRACS FORMER ECON 81
DRAWN: GM
CHECKED: DD
DATE: 06/30/2022

DESIGNED - KK	REVISED - KK - 08-12-2022
DRAWN - GM	REVISED -
CHECKED - DD	REVISED -
DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #7			
IL 58 (GOLF RD.) AT VALLEY LAKE RD. CABLE PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

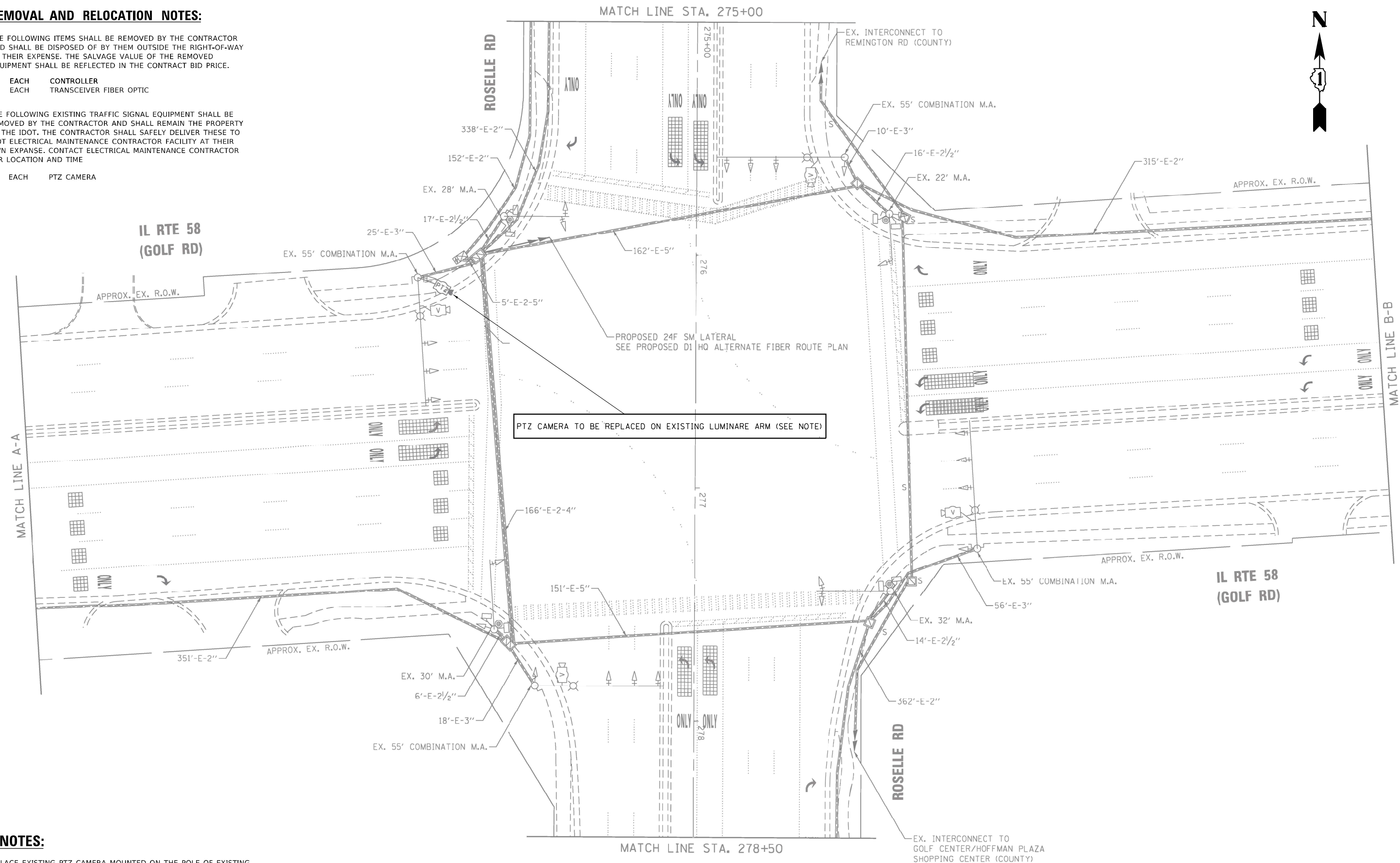
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	28
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

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

- | | | |
|---|------|-------------------------|
| 1 | EACH | CONTROLLER |
| 1 | EACH | TRANSCEIVER FIBER OPTIC |

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

- 1 EACH PTZ CAMERA



REPLACE EXISTING PTZ CAMERA MOUNTED ON THE POLE OF EXISTING COMBINATION MAST ARM, REMOVE EXISTING CABLE AND REPLACE WITH NEW 'ONC' WITH POWER OVER ETHERNET CAPABILITY AND RECONFIGURE WITH THE NETWORK SWITCH.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2840
IDOT CENTRACS
FORMER ECON 81

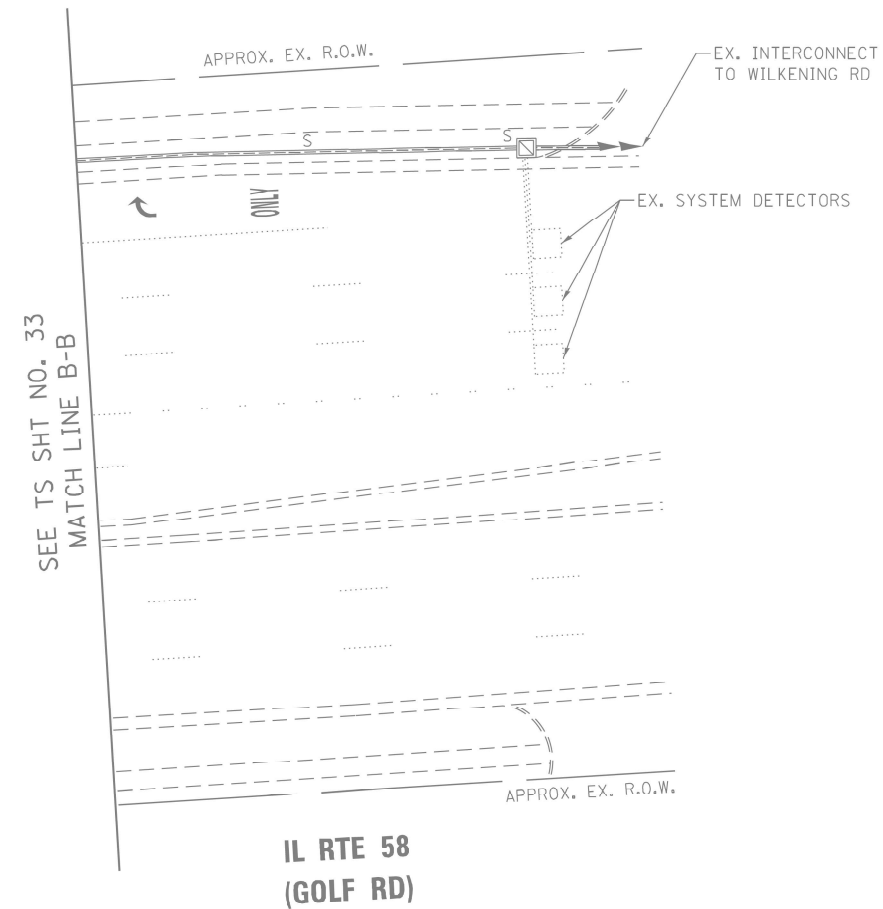
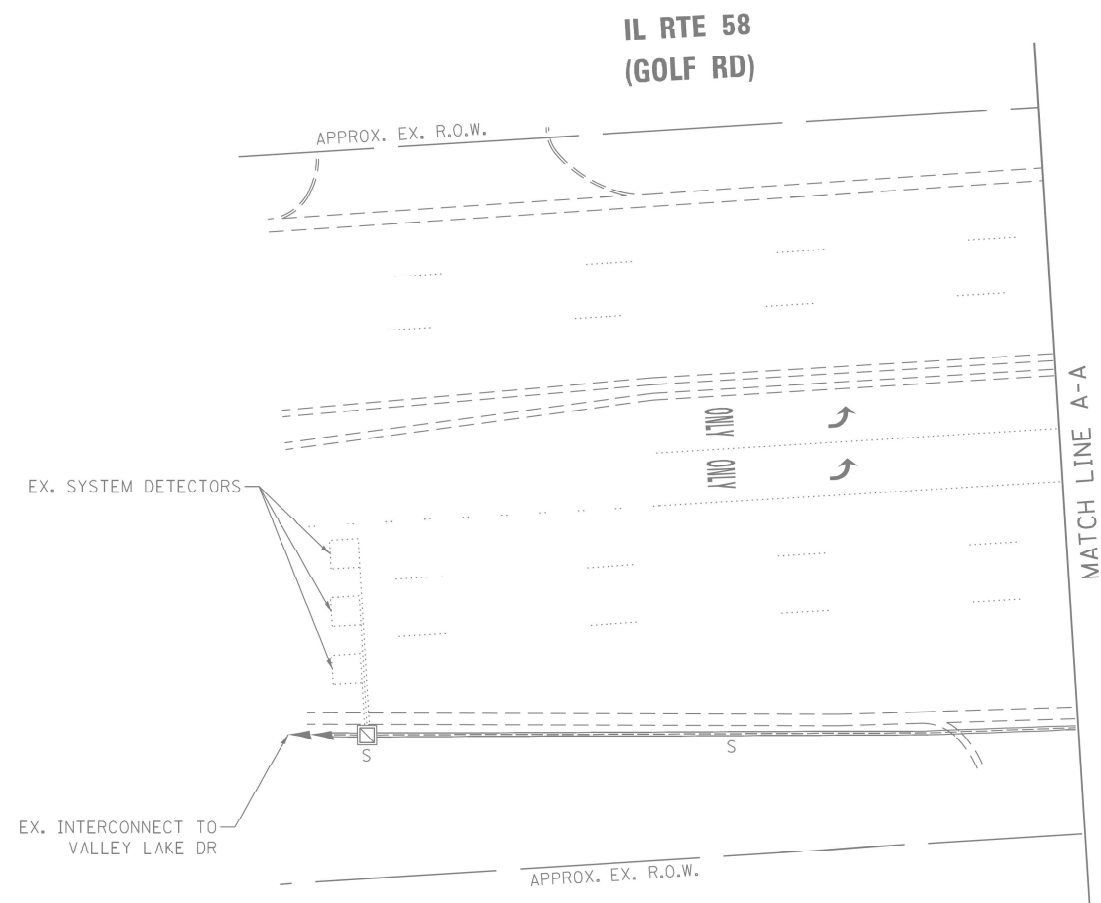
USER NAME = kamil.kobyika	DESIGNED = KK	REVISED = KK - 08-12-2022
	DRAWN = GM	REVISED =
PLOT SCALE = 40,0000 ' / in.	CHECKED = DD	REVISED =
PLOT DATE = 8/15/2022	DATE = 06/30/2022	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #8
IL 58 (GOLF RD.) AT ROSELLE RD. INTERSECTION PLAN SHEET 1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHE NO.
VAR.	2022 TRAFFIC 01	COOK	241	29
		CONTRACT NO. 62R8		
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: newVidiot-www.bentley.com/pwint/NOT_DOCUMENTS/INDOT_Offices/District_11/Projects/T15476/CADDData/Traffic/T15476-sch-ts.dgn



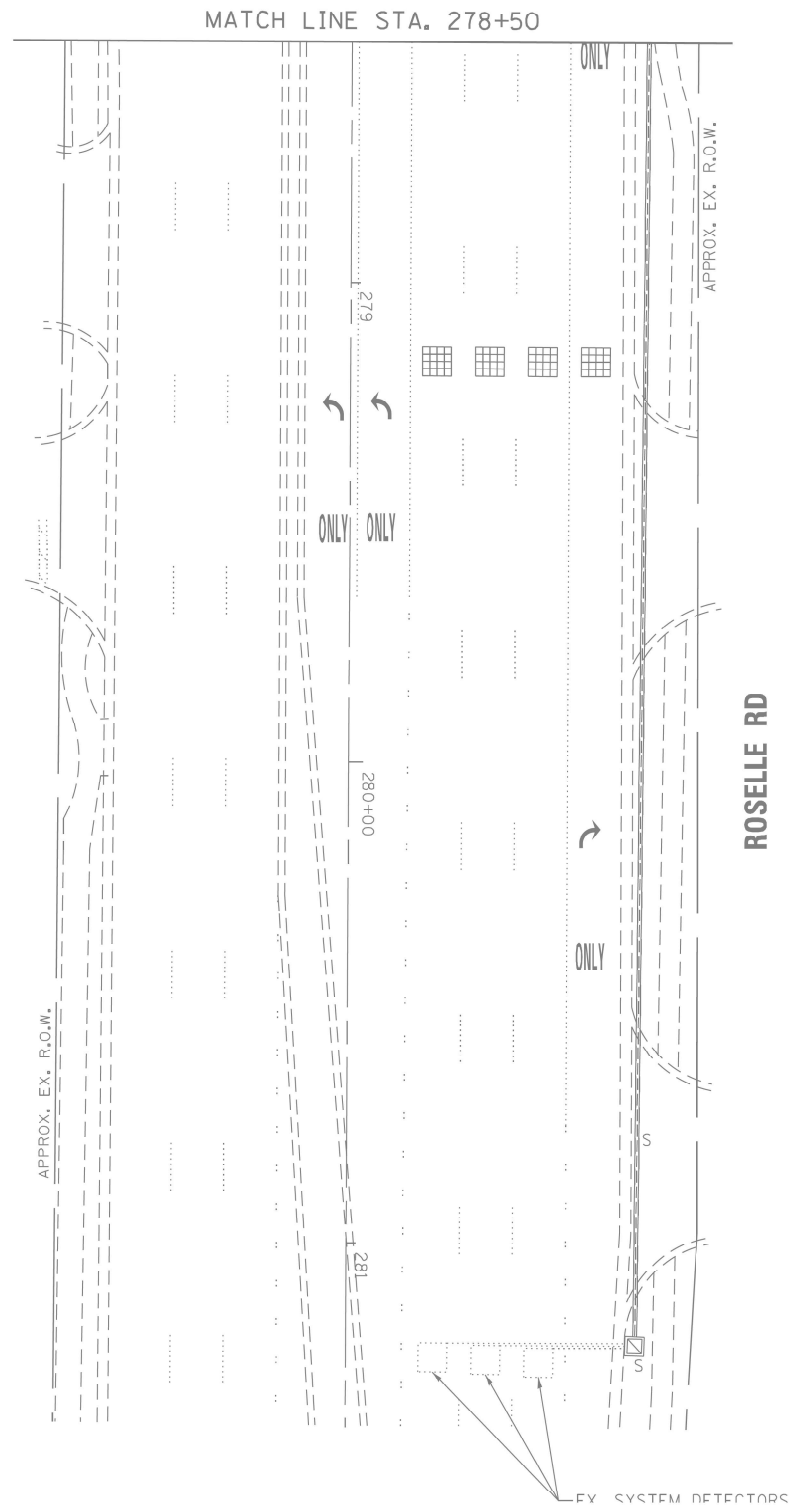
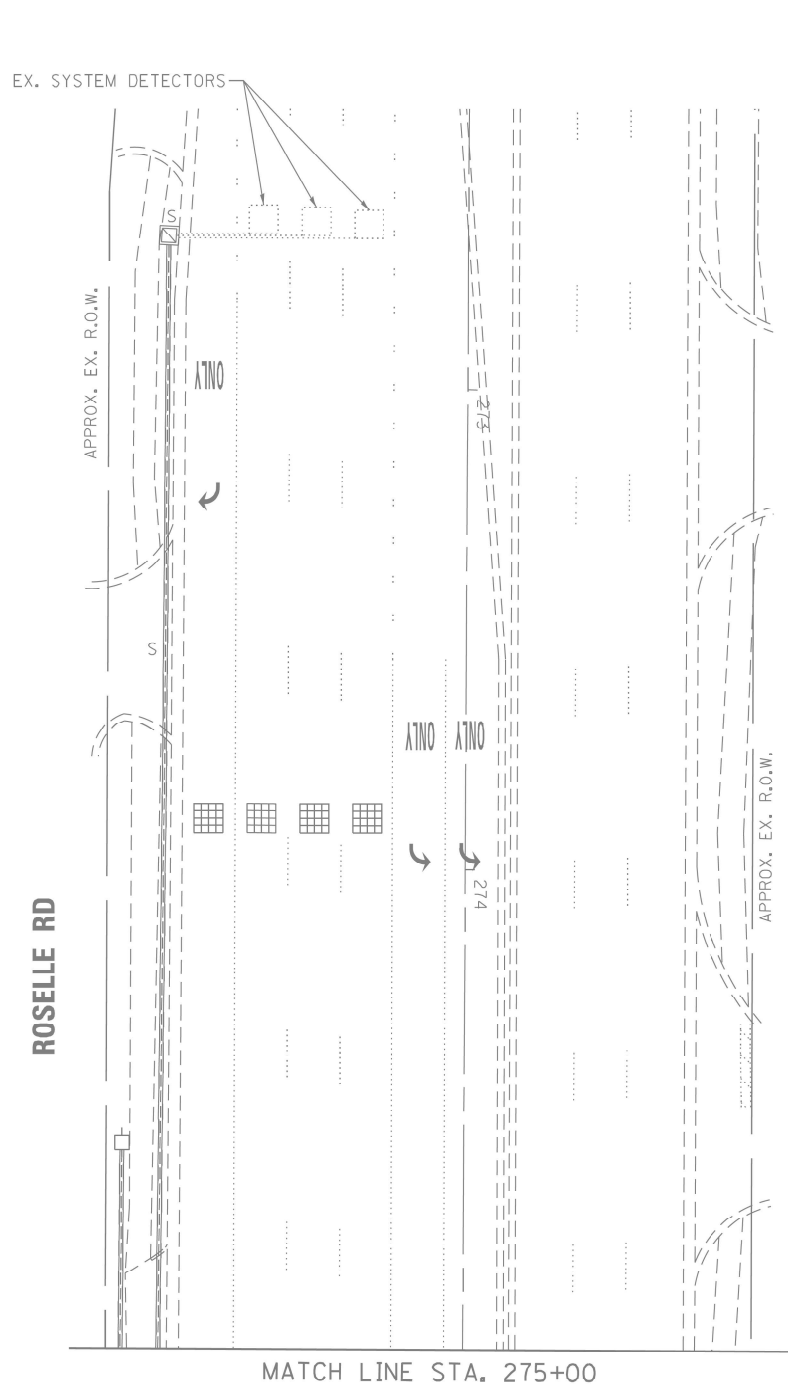
"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2840
IDOT CENTRACS
FORMER ECON 81

MODEL: Default
FILE: \\nslc-pw-bentley.com\PIV\DOT\Documents\DOT Offices\District 1\Projects\T15476\CADD\at1\Traffic\T15476-s-nts.dgn

	USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #8			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GM	REVISED -		IL 58 (GOLF RD.) AT ROSELLE RD. INTERSECTION PLAN SHEET 2			VAR.	2022 TRAFFIC 01	COOK	241	30
	PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -					CONTRACT NO. 62R81				
	PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -		SCALE:	SHEET	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: p:\idc-pw-bentley.com\PIDOT\Documents\DOT Offices\District 1\Projects\11476\CADD\11476-01.dgn



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2840
IDOT CENTRACS
FORMER ECON 81

USER NAME	= Kamil.Kooyka	DESIGNED	- KK	REVISED	- KK - 08-12-2022
DRAWN	- GM	REVIS	-		
PLOT SCALE	= 40,0000 ' / in.	CHECKED	- DD	REVISED	-
PLOT DATE	= 8/15/2022	DATE	- 06/30/2022	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #8
IL 58 (GOLF RD.) AT ROSELLE RD. INTERSECTION PLAN SHEET 3

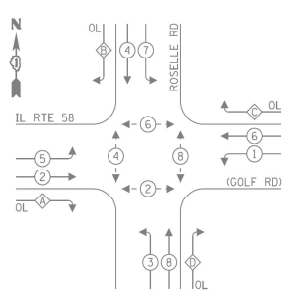
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	31
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	95
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	95
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	60
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
SPLICE FIBER IN CABINET	EACH	12
LAYER III (NETWORK) SWITCH	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

EXISTING CONTROLLER SEQUENCE



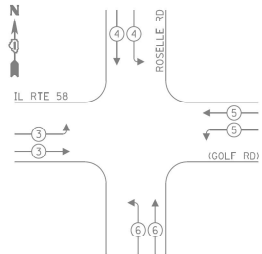
LEGEND:

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

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2	3
B	4	5
C	6	7
D	8	1

EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	24	11	50	132.0
(YELLOW)	24	20	5	24.0
(GREEN)	24	12	45	129.6
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	-	-	-	-
TOTAL =				976.6

ENERGY COSTS TO:

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

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

USER NAME = Kamil.Kobylka

DESIGNED - KK

REVISED - KK - 08-12-2022

PLOT SCALE = 40,0000 * / in.

CHECKED - DD

REVISED -

PLOT DATE = 8/15/2022

DATE - 06/30/2022

REVISED -

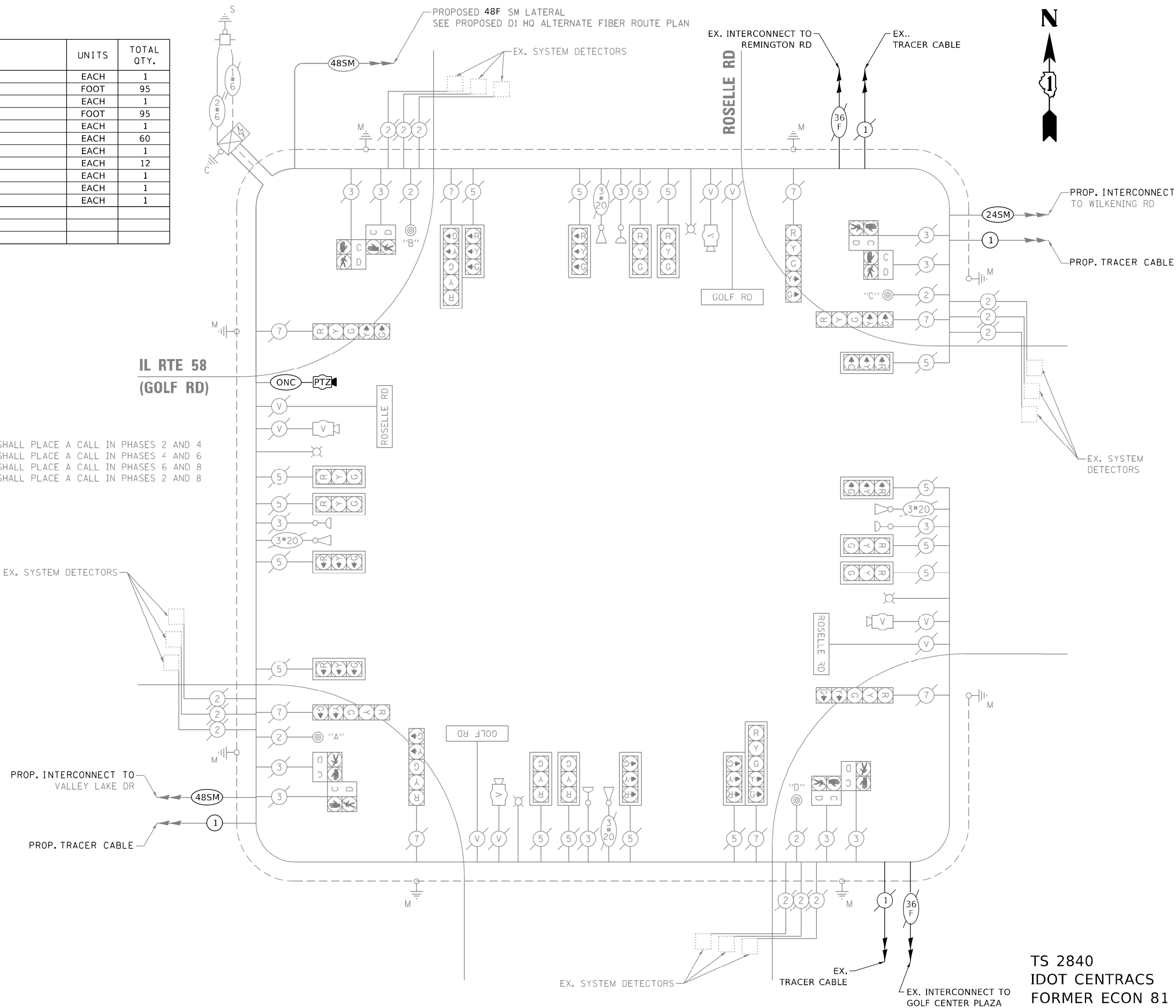
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #8
IL 58 (GOLF RD.) AT ROSELLE RD. CABLE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	32
CONTRACT NO. 62R81				

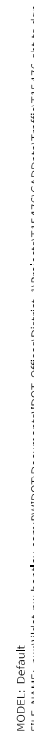
TS 2840
IDOT CENTRACS
FORMER ECON 81



MODEL: Default
FILE: \\usilc-pw-bentley.com\FW\DOT\Documents\DOT_Offices\Dir\id. I\Projects\T15476\CD\Draws\Traffic\T15476-s-nt-ts.dgn

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

- 



TS 21237
IDOT CENTRACS
FORMER ECON 78

USER NAME = KamilKobylka	DESIGNED - KK	REVISED - KK - 08-12-2022	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	<div>LOCATION #9 IL 58 (GOLF RD.) AT WILKENING RD. INTERSECTION PLAN</div>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - GM	REVISED -			VAR.	2022 TRAFFIC 01	COOK	241	33	
PLOT SCALE = 40,0000' / in.	CHECKED - DD	REVISED -			CONTRACT NO. 62R81					
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -			ILLINOIS FEDERAL PROJECT					
					SCALE:	SHEET OF SHEETS	STA. TO STA.			

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

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE		DISPLAY
A	=	4	+	5		
B	=	6	+	4	-	6

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	335.6

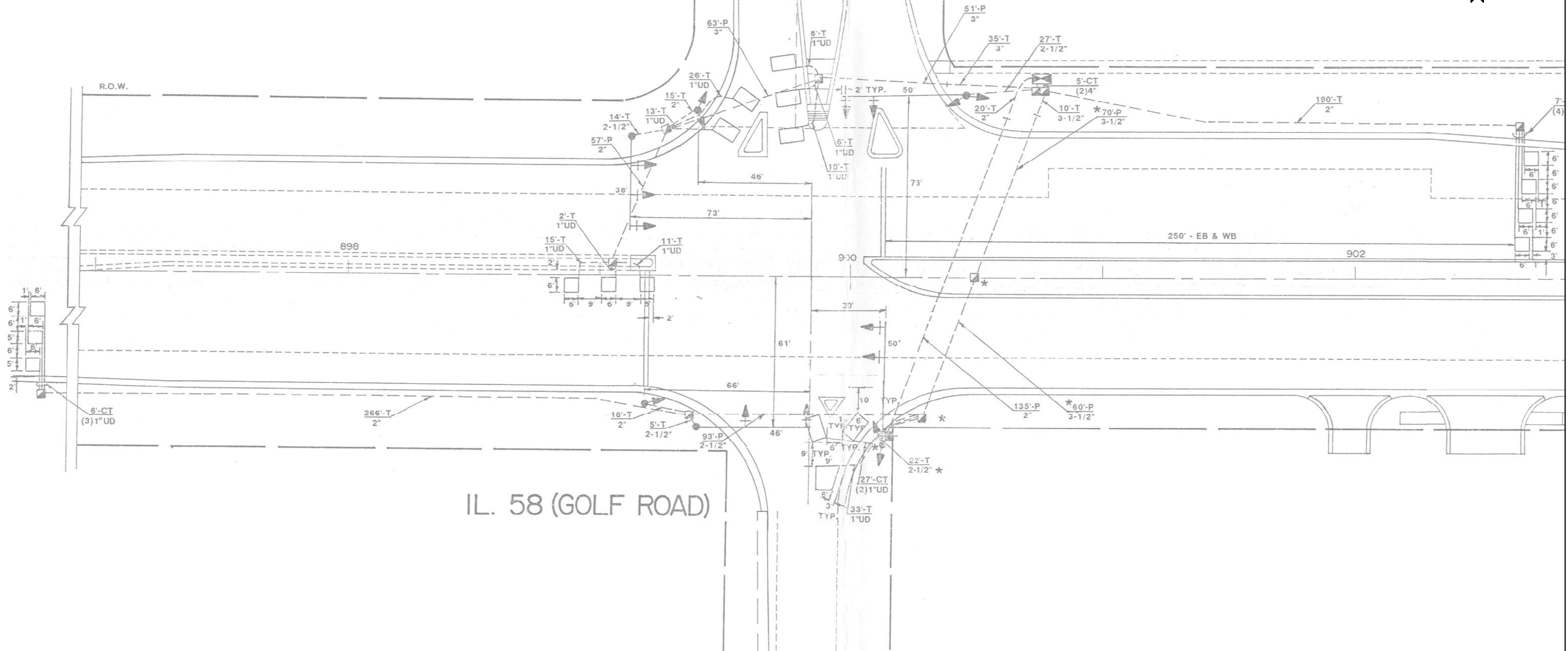
ENERGY SUPPLY: CONTACT: DAVE DCHSCHT
PHONE: 630-437-2129
COMPANY: ComEd
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES



USER NAME = Kamil,Kobylika PLOT SCALE = 40,00000 * / in. PLOT DATE = 8/15/2022	DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #9 IL 58 (GOLF RD.) AT WILKENING RD. CABLE PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - GM	REVISED -						VAR.	2022 TRAFFIC 01	COOK	241	34
	CHECKED - DD	REVISED -		CONTRACT NO. 62R81								
	DATE - 06/30/2022	REVISED -										
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			

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



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 21235
IDOT CENTRACS
FORMER ECON 78

USER NAME = Kamil,Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE = 06/30/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

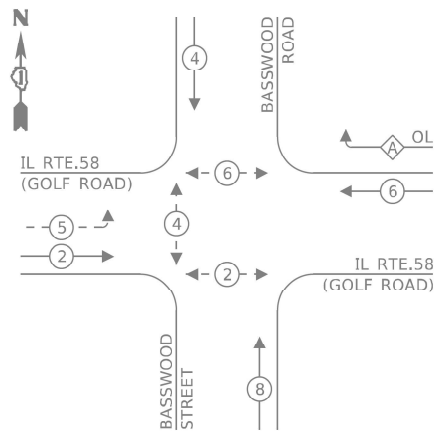
LOCATION #10
IL 58 (GOLF RD.) AT BASSWOOD RD. INTERSECTION PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	35
		CONTRACT NO. 62R81		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: ou:\vldot-owl\hewlett\ev.com.au\DOT Documents\DOT_Offices\District_1\Projects\T15476\CADData\Traffic\T15476-ent-1.dwg

PROPOSED CONTROLLER SEQUENCE



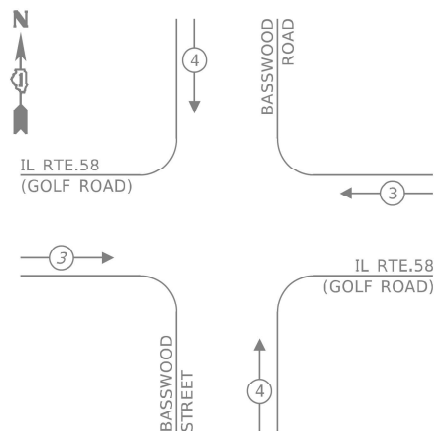
LEGEND:

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

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 6	

PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	17	11	50	93.5
(YELLOW)	17	20	5	17.0
(GRFFN)	17	12	45	91.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				455.3

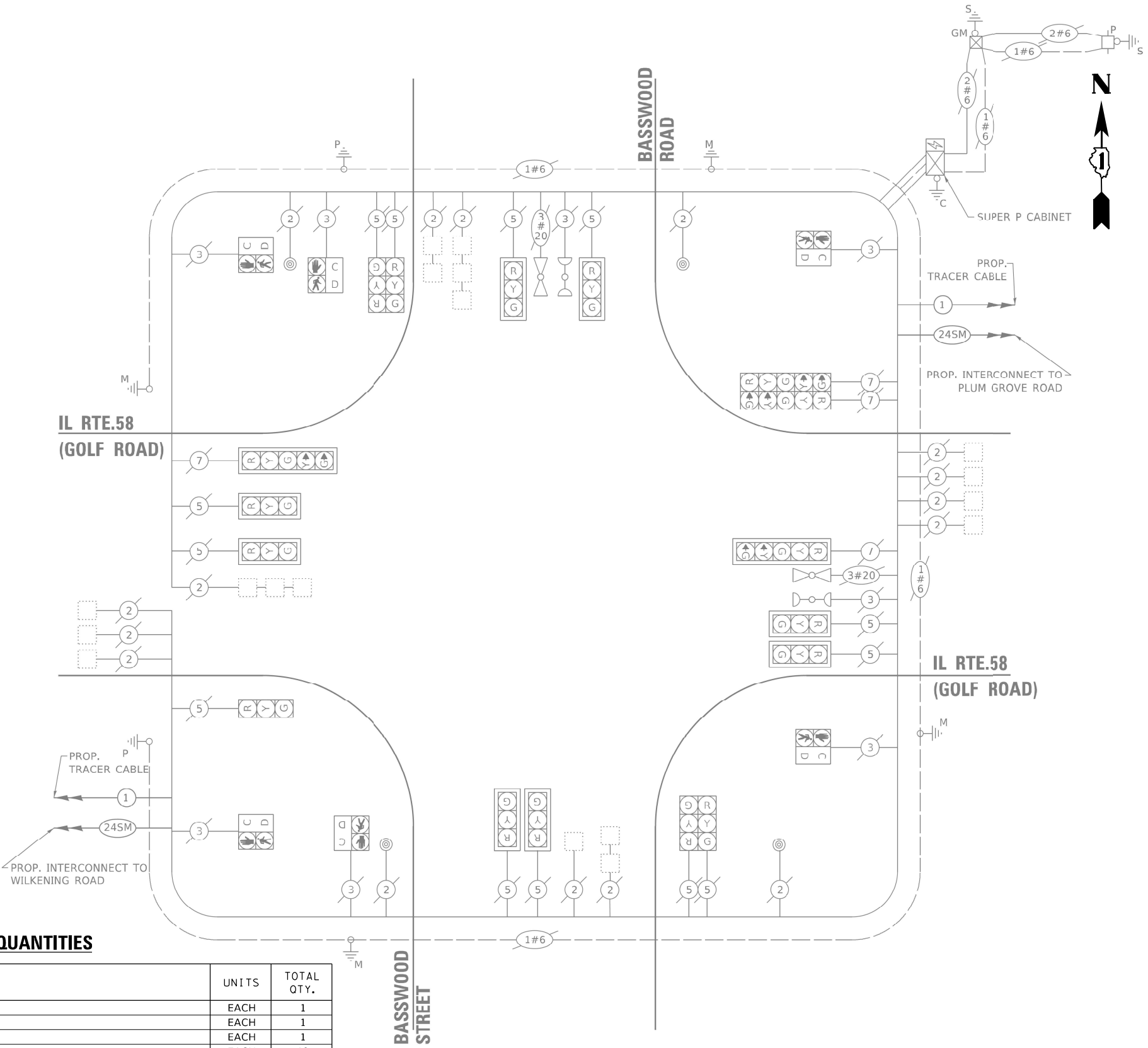
ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: DAVE DCHSCHT
PHONE: 630-437-2129
COMPANY: ComEd
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
CENTRACS LICENSE EXPANSION	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6



CABLE PLAN
(NOT TO SCALE)

TS 21235
IDOT CENTRACS
FORMER ECON 78

MODEL: Default
FILE: \\s:\p\dot\caw\bead\com\p\dot\Documents\DOT_Offices\Dir\dot_1\Projects\T15476\CD\Drawn\Traffic\T15476-s-nt-ts.dgn

USER NAME = Kamil.Kobylka
PLOT SCALE = 40,0000 * / in.
PLOT DATE = 8/15/2022

DESIGNED - KK	REVISED - KK - 08-12-2022
DRAWN - GM	REVISED -
CHECKED - DD	REVISED -
DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #10
IL 58 (GOLF RD.) AT BASSWOOD RD. CABLE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	36
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

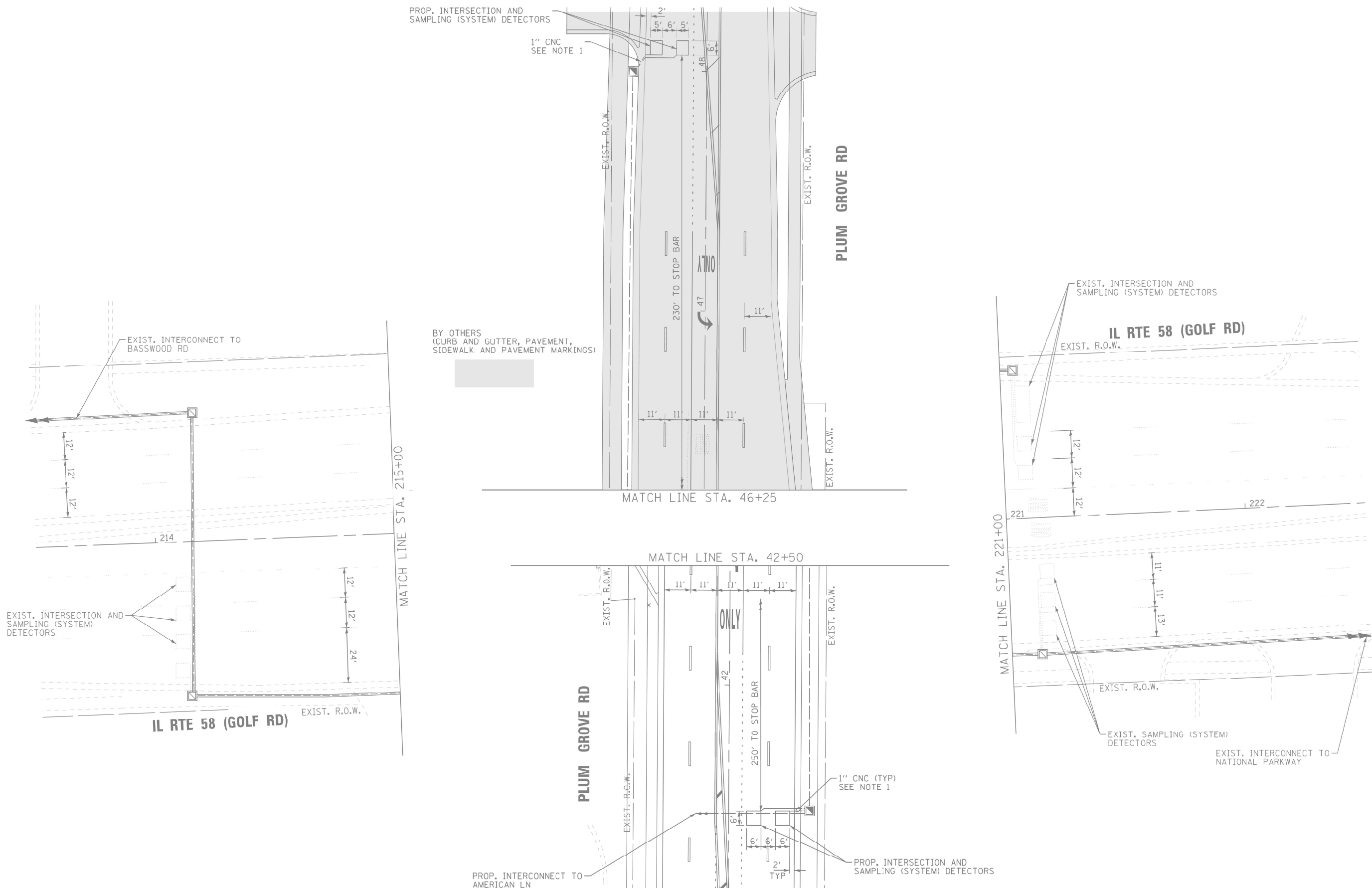
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.



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

TS 2830
IDOT CENTRACS
FORMER ECON 78

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #11 IL 58 (GOLF RD.) AT PLUM GROVE RD. INTERSECTION PLAN SHEET 1				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - GM	REVISED -		VAR.	2022 TRAFFIC 01	COOK	241	37					
PLOT SCALE = 40,0000 ' / in.	CHECKED - DD	REVISED -						CONTRACT NO. 62R81					
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS	FED. AID	PROJECT



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

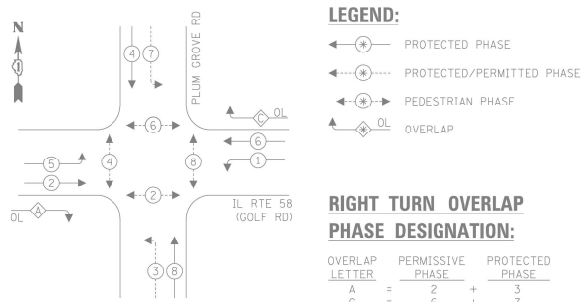
TS 2830
IDOT CENTRACS
FORMER ECON 78

MODEL: Default FILE: ts2830_traffic_signal_plan.dgn PROJECT: 2022 TRAFFIC 01 SHEET: 38	USER NAME = Kamil.Kobylka		DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #11		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - GM		CHECKED - DD	REVISED -		IL 58 (GOLF RD.) AT PLUM GROVE RD. INTERSECTION PLAN SHEET 2		VAR.	2022 TRAFFIC 01	COOK	241	38
	PLOT SCALE = 40,0000 * / in.		DATE - 06/30/2022	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT				
	PLOT DATE = 8/15/2022		DATE - 06/30/2022	REVISED -				CONTRACT NO. 62R81				

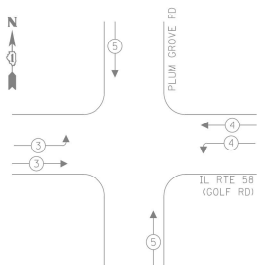
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	105
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	18
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CAMERA MOUNTING ASSEMBLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	12

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

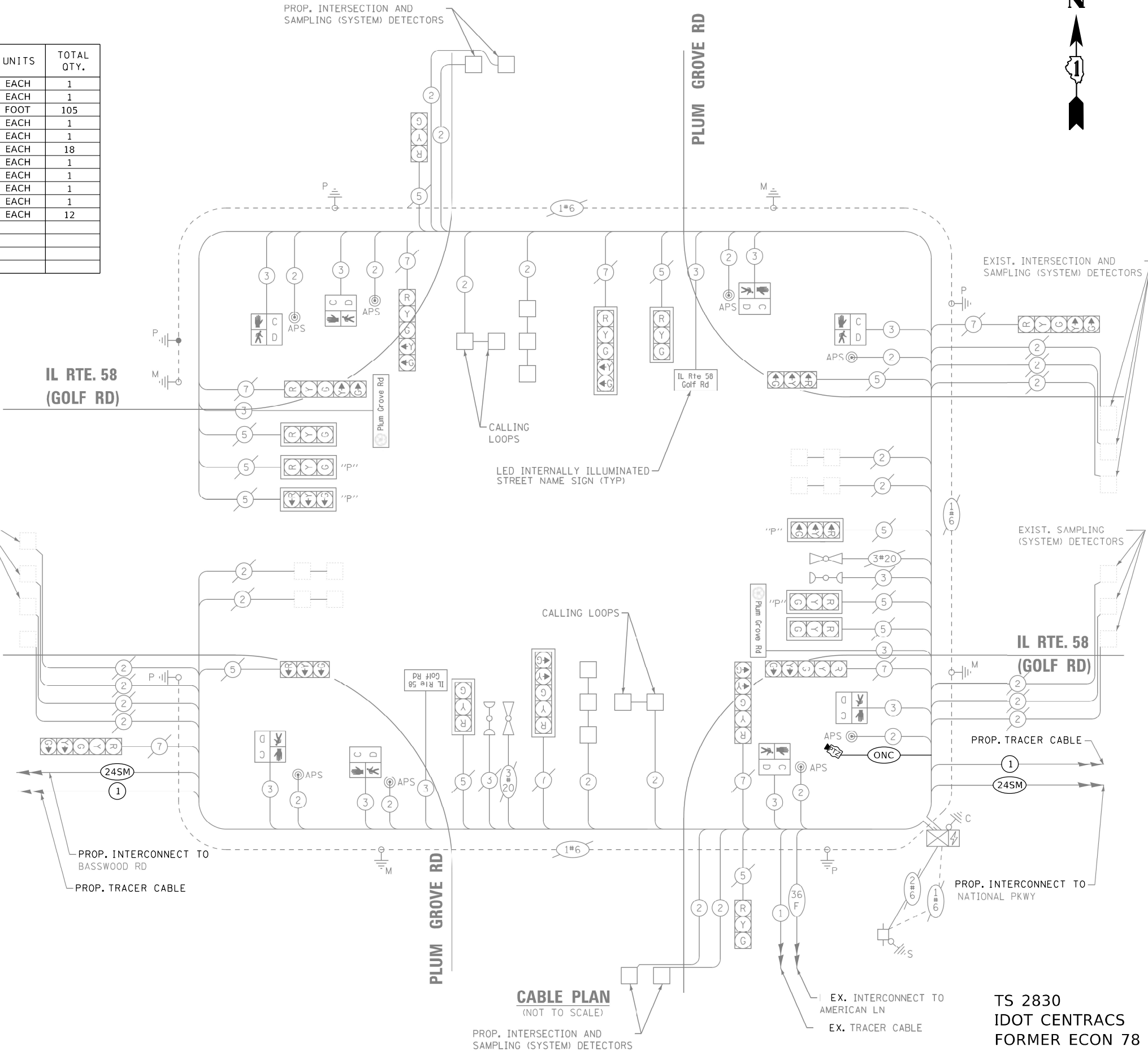
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	28	10	10	28.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	-	-	-	-
TOTAL =				743.4

ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, ILLINOIS 60143

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

EXIST. INTERSECTION AND SAMPLING (SYSTEM) DETECTORS



CABLE PLAN
(NOT TO SCALE)

PROP. INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

TS 2830
IDOT CENTRACS
FORMER ECON 78

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #11
IL 58 (GOLF RD.) AT PLUM GROVE RD. CABLE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	39
CONTRACT NO. 62R81				

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 BID PRICE.

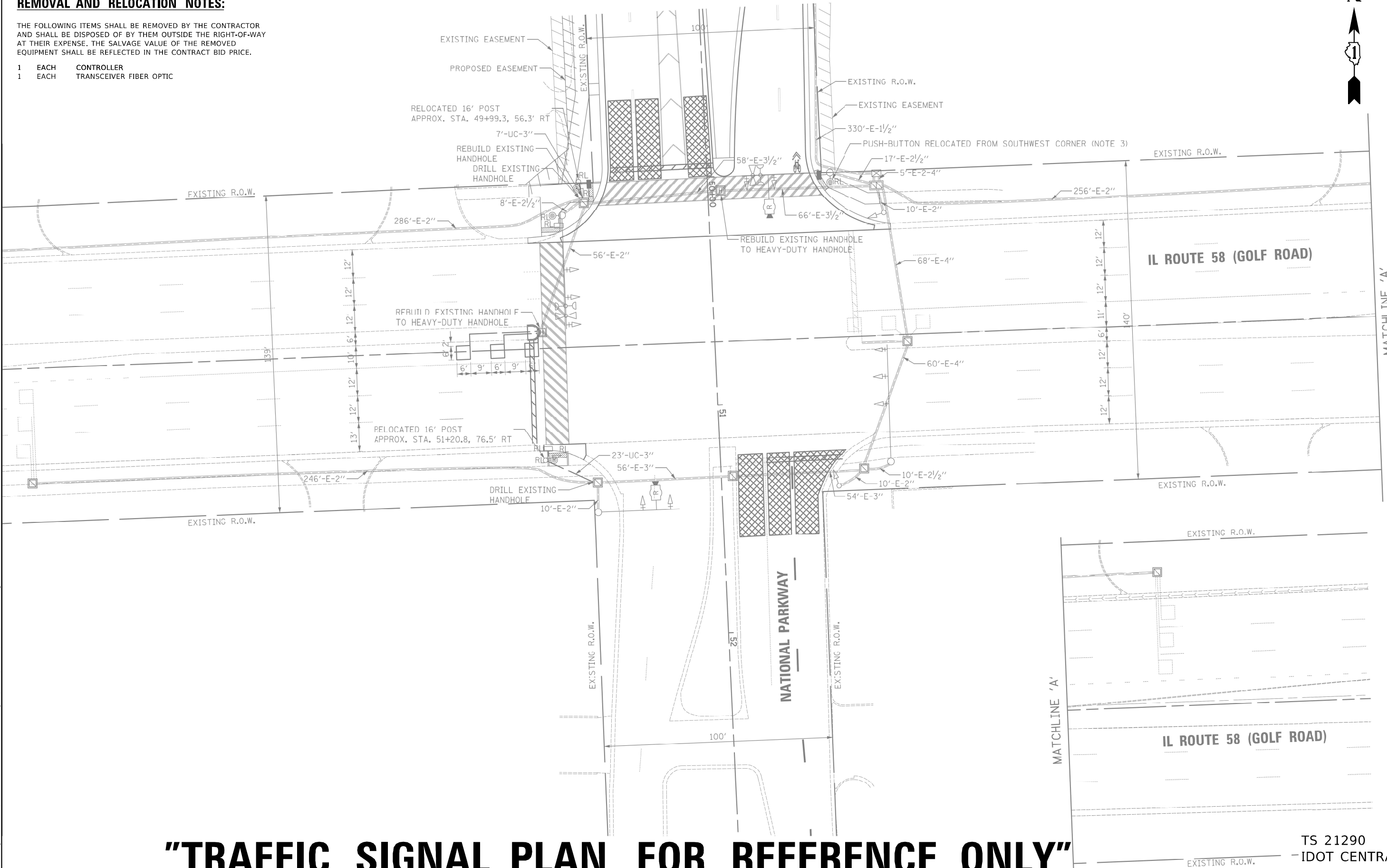
- 1

EACH

CONTROLLER
- 1

EACH

TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 21290
- IDOT CENTRACS
FORMER ECON 78

USER NAME = Kamil.Kobylika	DESIGNED - KK	REVISED - KK - 08-12-2022
DRAWN - GM	REVIS	
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVIS
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVIS

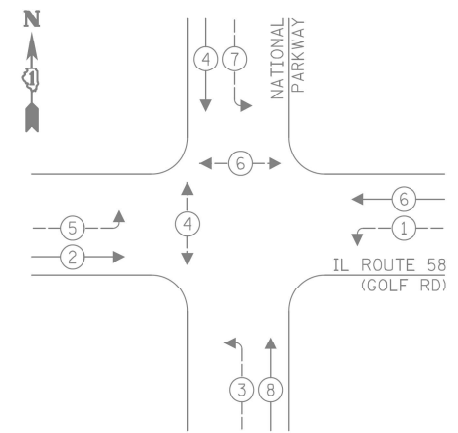
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #12
IL 58 (GOLF RD.) AT NATIONAL PKWY. INTERSECTION PLAN

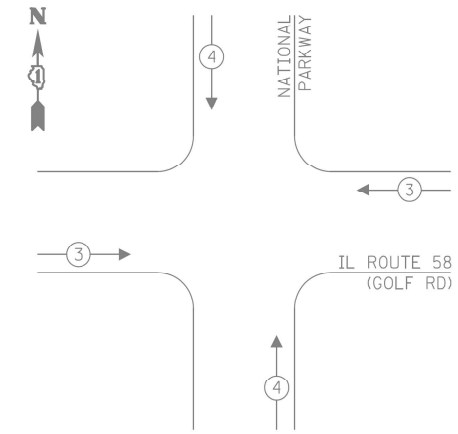
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	40
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

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

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	387.6

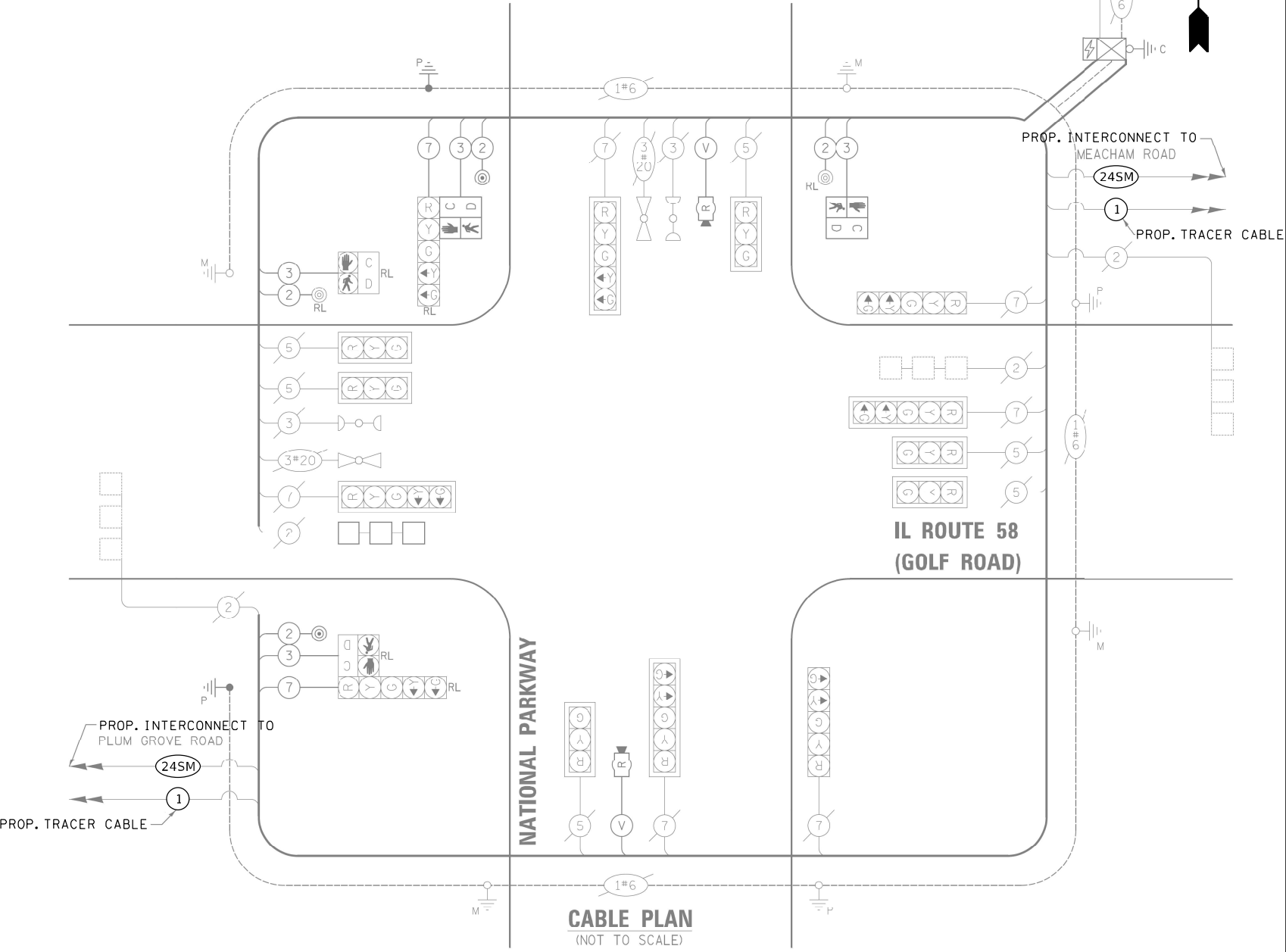
ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG
101 SCHAUMBURG
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: (866) 639-3532
COMPANY: COMED
ACCOUNT NUMBER: 0245068017

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6



CABLE PLAN
(NOT TO SCALE)

TS 21290
IDOT CENTRACS
FORMER ECON 78

MODEL: Default
FILE: ts21290_2022_traffic_01.dgn
PROJECT: TS21290-2022-Traffic-01.dgn
USER: kamil.kobylka
DATE: 8/15/2022

USER NAME = kamil.kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
PLOT SCALE = 40,0000 * / in.	DRAWN - GM	REVISED -
PLOT DATE = 8/15/2022	CHECKED - DD	REVISED -
	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #12			
IL 58 (GOLF RD.) AT NATIONAL PKWY CABLE PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	41
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

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



1. THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINARE ARM OF THE EXISTING COMBINATION MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.
2. EXISTING MASTER CONTROLLER SHALL REMAIN IN THE CABINET AND SHALL CONTINUE TO PROVIDE COMMUNICATION FOR THE TRAFFIC SIGNALS ALONG MEACHAM RD INDEPENDENT OF IL-58 SYSTEM. FUTURE CONTRACT WILL CONNECT THESE TRAFFIC SIGNAL ALONG MEACHAM RD. CONTRACTOR TO COORDINATE WITH CONTRACT 62T54.

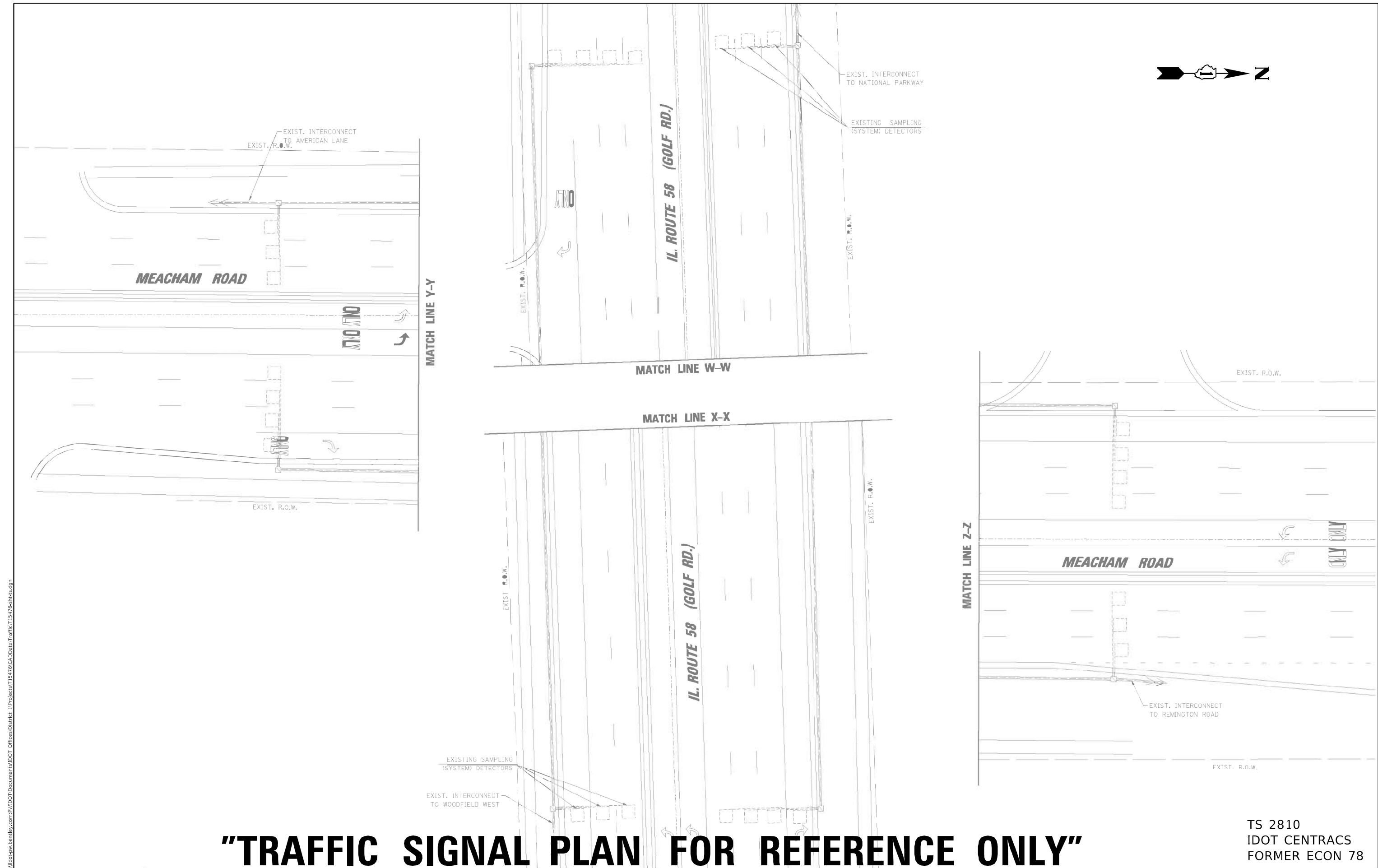
"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2810
IDOT CENTRACS
FORMER ECON 78

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div> <div>LOCATION #13 IL 58 (GOLF RD.) AT MEACHAM RD. INTERSECTION PLAN SHEET 1</div>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - GM	REVISED -		VAR.	2022 TRAFFIC 01	COOK	241	42
PLOT SCALE = 40,00000 ' / in.	CHECKED - DD	REVISED -		CONTRACT NO. 62R81				
PLOT DATE = 8/13/2022	DATE - 06/30/2022	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.
							ILLINOIS	FED. AID PROJECT

MODEL: Default
FILE NAME: nwt\ltd\ltd-nwi-bead\new.com\pw\ltd\Documents\ltd - Offices\District 1\Projects\T15476\CADData\Traffic\T15476-Sept-15.doc

MODEL: Default
FILE: ts2810_2022_traffic-signal-plan.dgn
I:\Projects\115476\CADD\115476\115476-115476.dgn



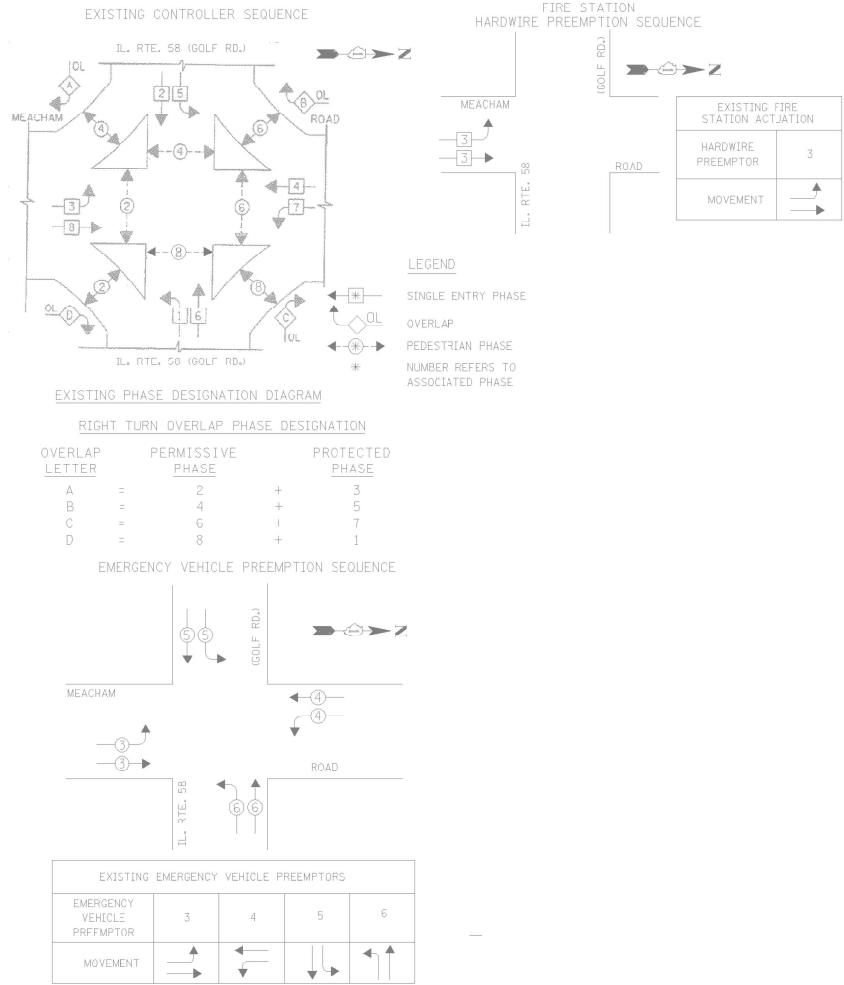
"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2810
IDOT CENTRACS
FORMER ECON 78

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				LOCATION #13 IL 58 (GOLF RD.) AT MEACHAM RD. INTERSECTION PLAN SHEET 2				F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. VAR. 2022 TRAFFIC 01 COOK 241 43 CONTRACT NO. 62R81			
SCALE: SHEET OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT							
USER NAME = Kamil.Kobylka				DESIGNED - KK							
DRAWN - GM				REVISED - KK - 08-12-2022							
PLOT SCALE = 40,0000' / in.				CHECKED - DD							
PLOT DATE = 8/15/2022				DATE - 06/30/2022							
				REVISED -							
				REVISED -							
				REVISED -							

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	125
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
LAYER III (NETWORK) SWITCH	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	24	17	0.50		204.00
(YELLOW)	24	25	0.25		150.00
(GREEN)	24	15	0.25		90.00
ARROW	16	12	0.10		19.20
PED. SIGNAL	16	25	1.00		400.00
CONTROLLER	1	100	1.00		100.00
ILLUM. SIGN	-	252	0.05		-
VIDEO SYSTEM	-	150	1.00		-
FLASHER			0.50		
ENERGY COSTS TO:					TOTAL = 963.20

ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAY/DISTRICT 1

201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: MARK GLOECK

PHONE: (630) 691-4529

COMPANY: COMED

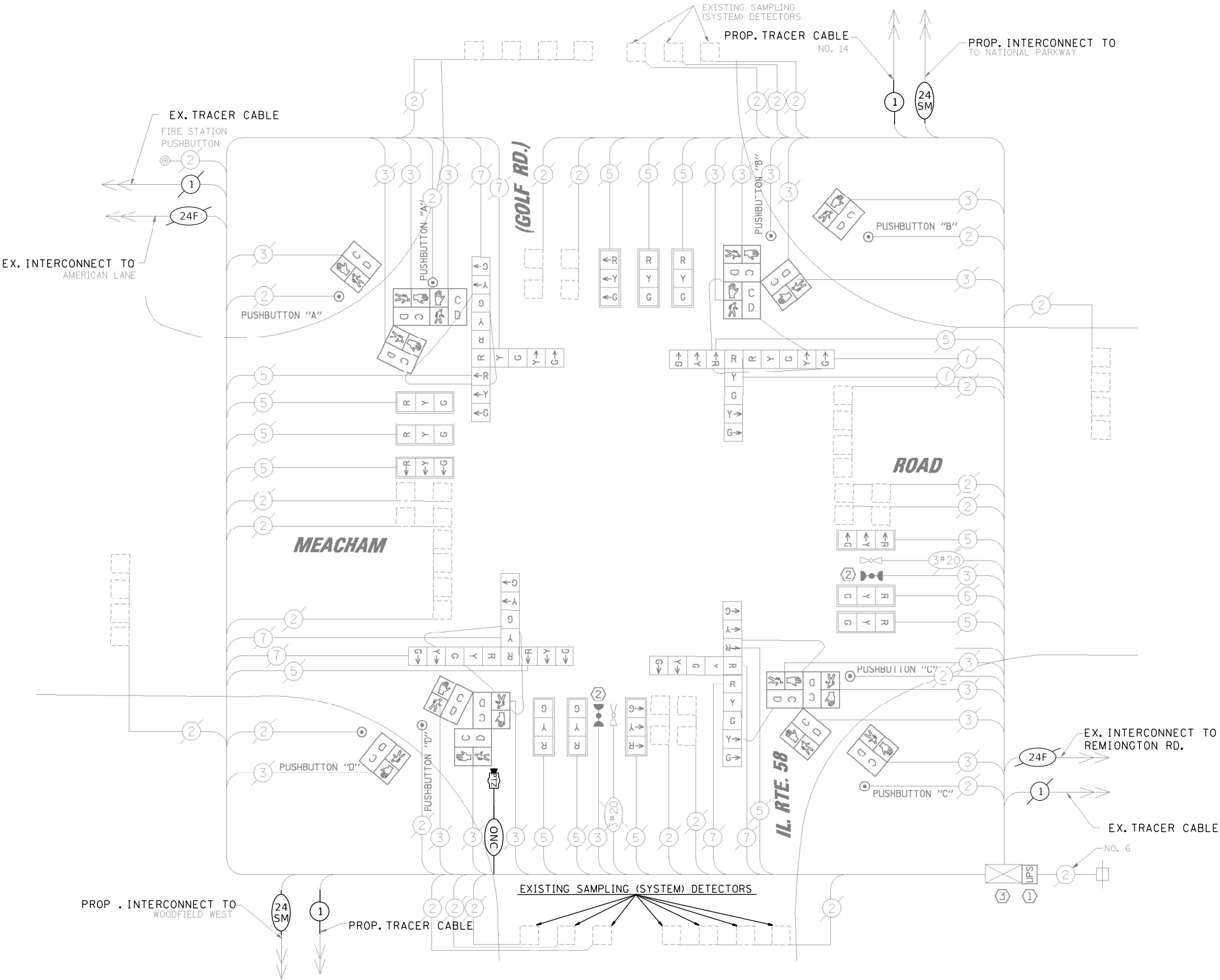
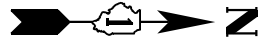
NOTE:

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

LOCATION #13
IL 58 (GOLF RD.) AT MEACHAM RD. CABLE PLAN

TS 2810
IDOT CENTRACS
FORMER ECON 78

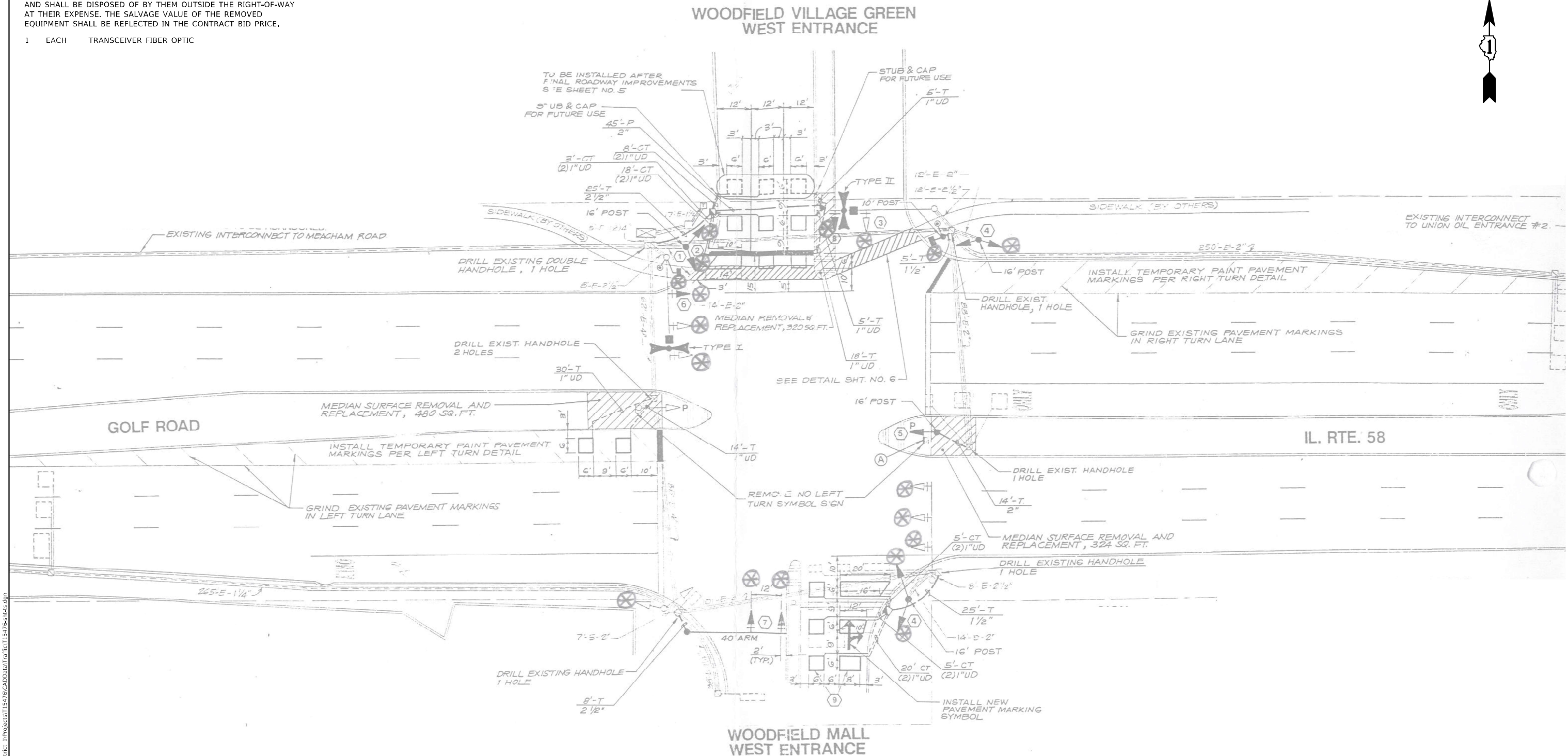
USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
PLOT SCALE = 40,0000' / in.	DRAWN - GM	REVISED -
PLOT DATE = 8/15/2022	CHECKED - DD	REVISED -
	DATE - 06/30/2022	REVISED -

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	44
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

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

1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 8785
IDOT CENTRACS
FORMER ECON 78

USER NAME = Kamil,Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE = 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #14
IL 58 (GOLF RD.) AT WEST DR. INTERSECTION PLAN SHEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	45
		CONTRACT NO. 62R81		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: new\ilnot-aw-beat\aw.com-pw\DOT Documents\DOT_Offices\District_1\Projects\T15476\CADData\Traffic\T15476-shrfts.dwg

- ← (⊛) ← PROTECTED PHASE
- ← - (⊛) - PROTECTED/FERMITTED PHASE
- ← (⊛) → PEDESTRIAN PHASE
- ↶ (⬠) OL OVERLAP

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

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110
(YELLOW)	20	20	5	20
(GREEN)	20	12	45	108
PERMISSIVE ARROW	20	10	10	20
PED. SIGNAL	2	20	100	40
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	423

ENERGY SUPPLY: CONTACT: DAVE DCHSCHT
PHONE: 630-437-2129
COMPANY: ComEd
ACCOUNT NUMBER:

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
CENTRACS LICENSE EXPANSION	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #14
IL 58 (GOLF RD.) AT WEST DR. CABLE PLAN

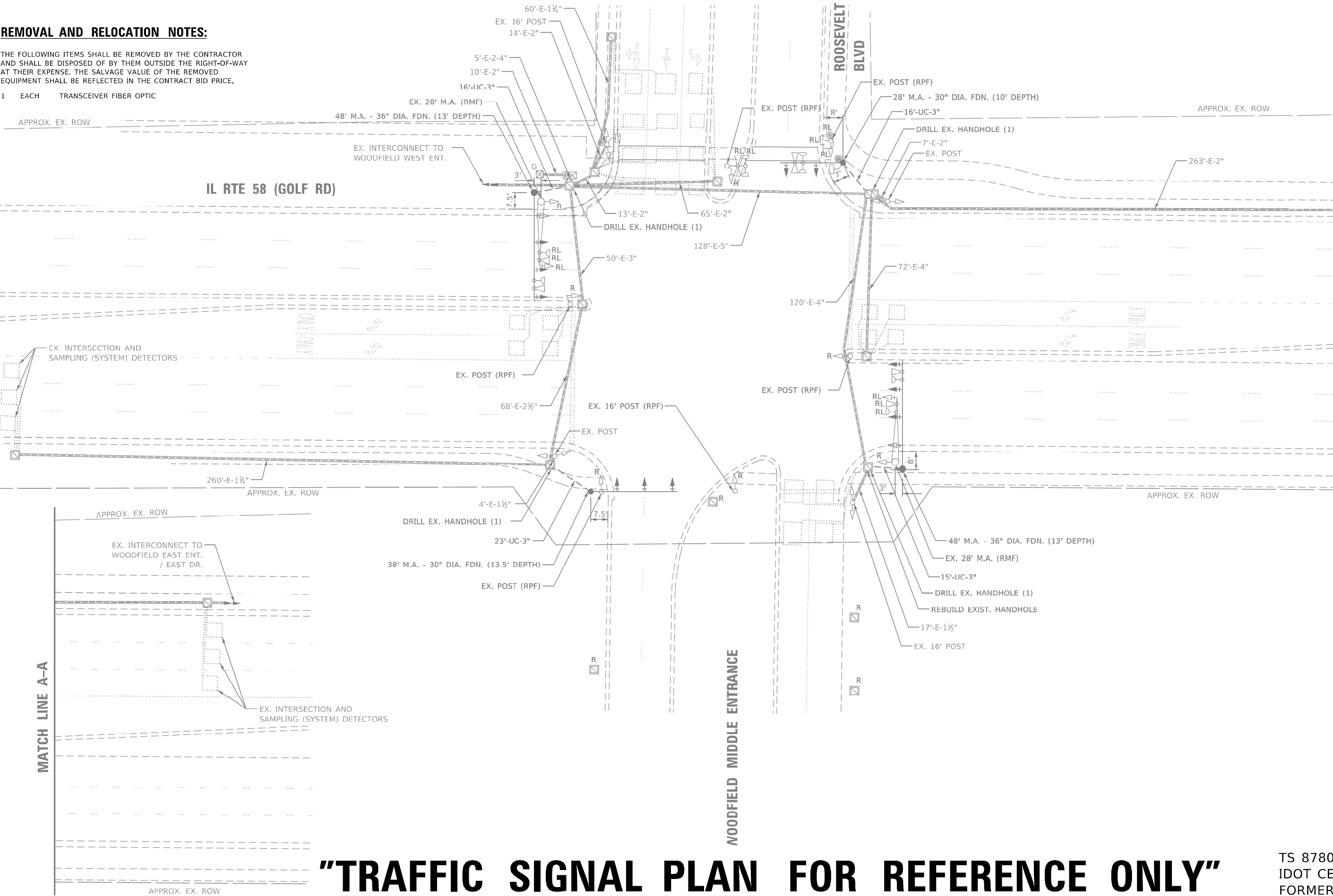
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
--------	-------	----	--------	------	---------

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	46
		CONTRACT NO. 62R81		
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 BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 8780
IDOT CENTRACS
FORMER ECON 78

USER NAME	= Kamil.Kobylka	DESIGNED	- KK	REVISED	- KK - 08-12-2022
DRAWN	- GM	REVISION	-	REVISION	-
PLOT SCALE	= 40,0000 * / in.	CHECKED	- DD	REVISION	-
PLOT DATE	= 8/15/2022	DATE	- 06/30/2022	REVISION	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #15			
IL 58 (GOLF RD.) AT ROOSEVELT BLVD. INTERSECTION PLAN			
SCALE:	SHEET	OF	SHEETS
STA.	TO	STA.	

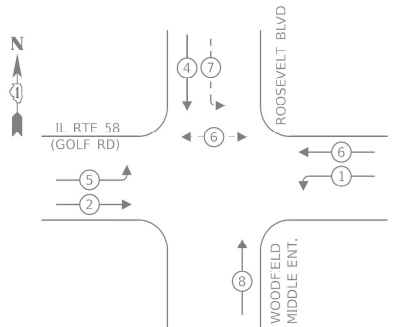
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	47
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

MODEL Default
FILE Name: p:\build-aw-beadley.com\PIV\DOT Documents\DOT Office\District 1\Projects\T15476\CADD\at1\Traffic\T15476-s-nt-ts.dgn

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
CENTRACS LICENSE EXPANSION	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6

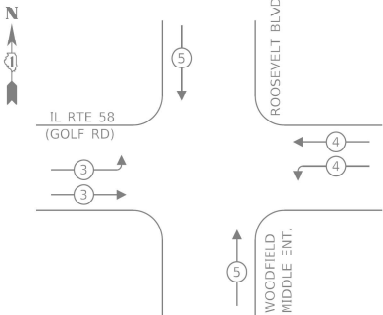
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	21	11	50	115.5
(YELLOW)	21	20	5	21.0
(GRFFN)	21	12	45	113.4
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				418.9

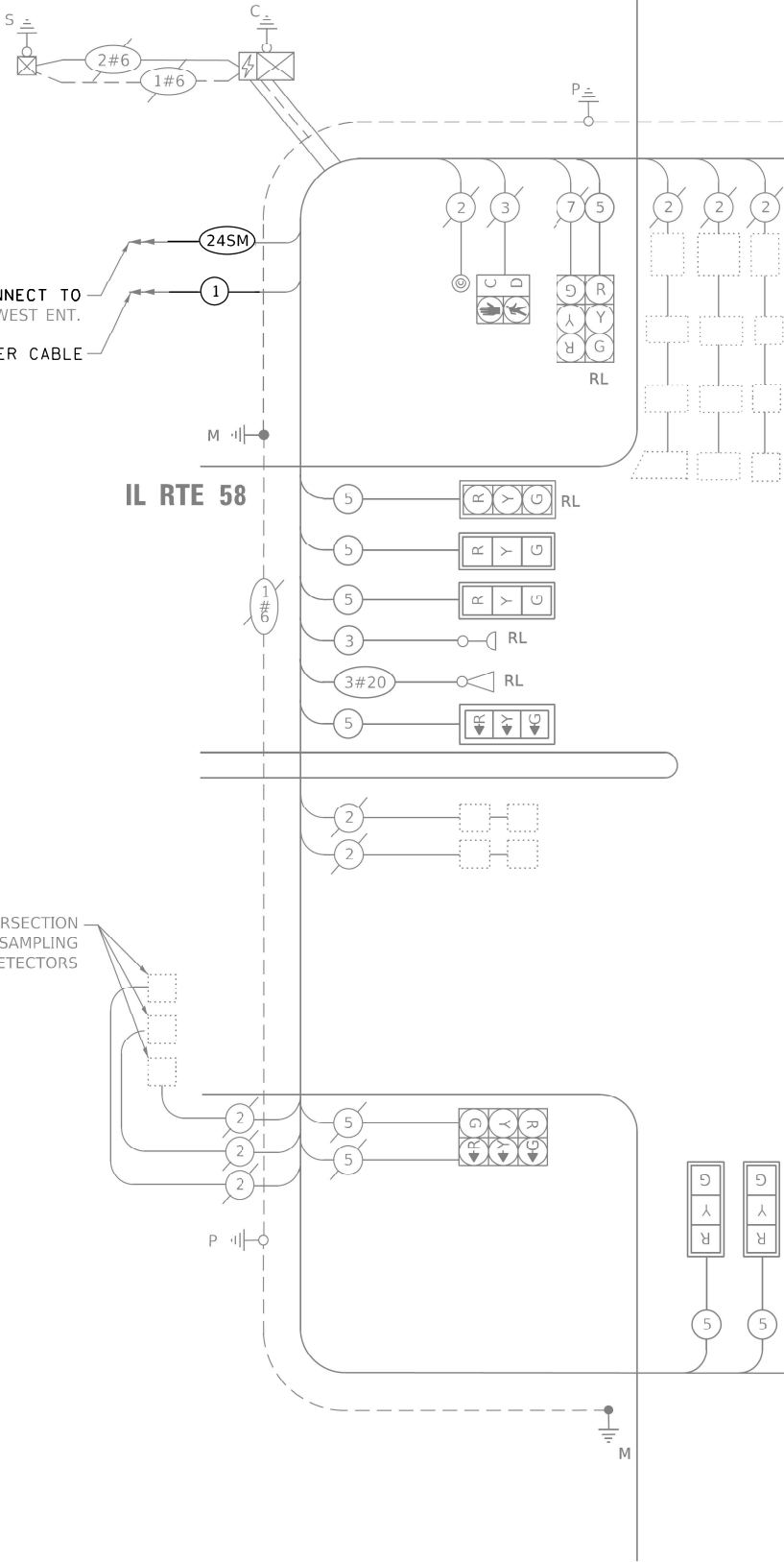
ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG
101 SCHAUMBURG CT.
SCHAUMBURG, IL

ENERGY SUPPLY: CONTACT: ILYAS MOHIUDDIN
PHONE: (708) 235-2692
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

PROP. INTERCONNECT TO
WOODFIELD WEST ENT.
PROP. TRACER CABLE

EX. INTERSECTION
AND SAMPLING
(SYSTEM) DETECTORS



CABLE PLAN
(NOT TO SCALE)

PROP. INTERCONNECT TO
WOODFIELD EAST ENT. / EAST DR.

PROP. TRACER CABLE

EX. INTERSECTION
AND SAMPLING
(SYSTEM) DETECTORS

TS 8780
IDOT CENTRACS
FORMER ECON 78

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #15
IL 58 (GOLF RD.) AT ROOSEVELT BLVD. CABLE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	48
CONTRACT NO. 62R81				

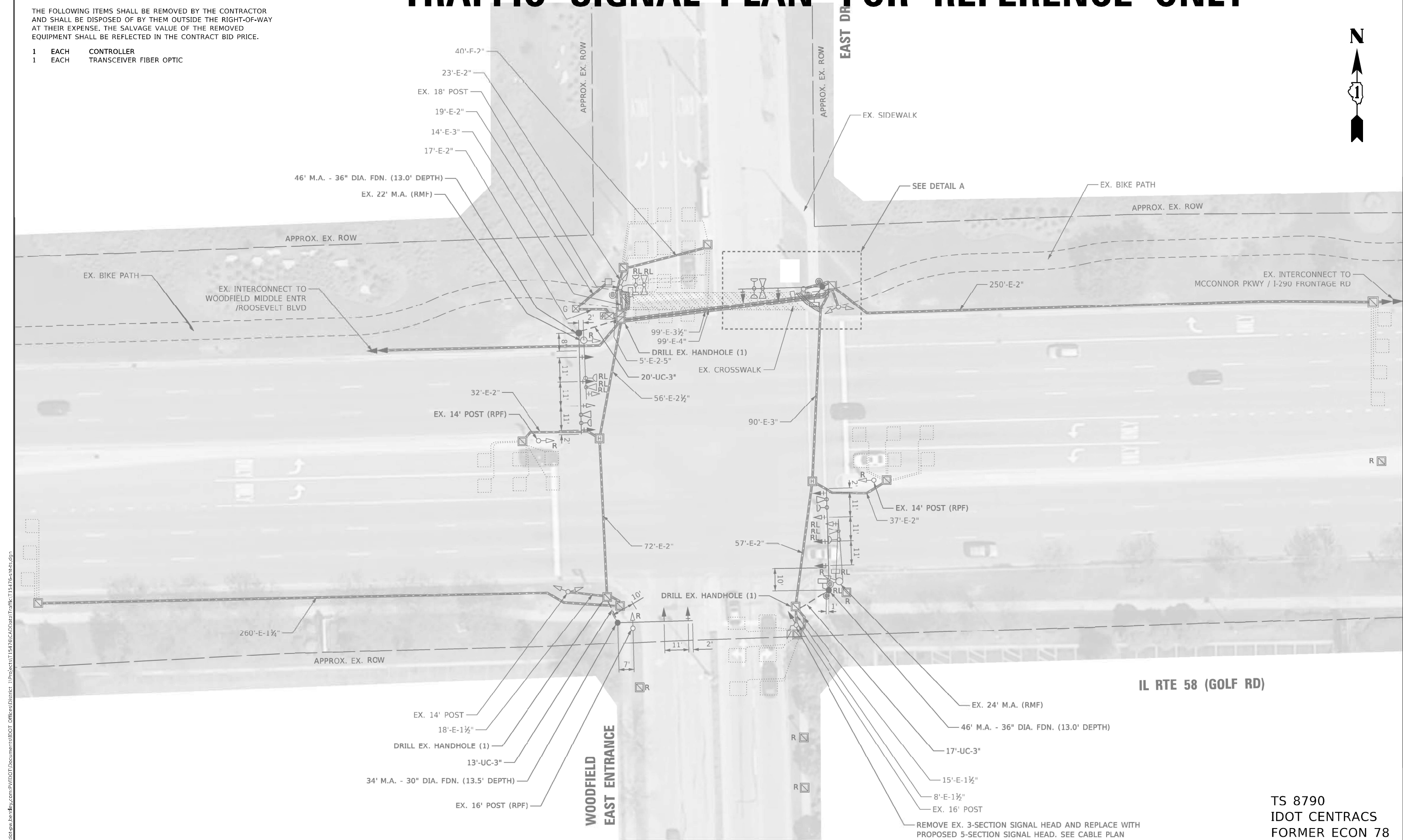
ILLINOIS FED. AID PROJECT

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 BID PRICE.

- 1 EACH CONTROLLER
- 1 EACH TRANSCEIVER FIBER OPTIC

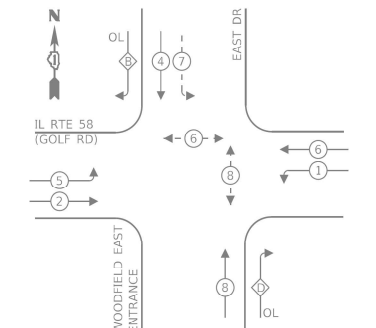
"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



TS 8790
IDOT CENTRACS
FORMER ECON 78

MODEL: Default FILE: ts8790-2022-08-12-22.dgn	USER NAME = Kamil.Kobylka		DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #16 IL 58 (GOLF RD.) AT EAST DR. INTERSECTION PLAN		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - GM		CHECKED - DD	REVISED -		SCALE:		VAR.	2022 TRAFFIC 01	COOK	241	49
	PLOT SCALE = 40,0000 * / in.		DATE - 06/30/2022	REVISED -		SHEET OF SHEETS		CONTRACT NO. 62R81				
	PLOT DATE = 8/15/2022					STA. TO STA.		ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE

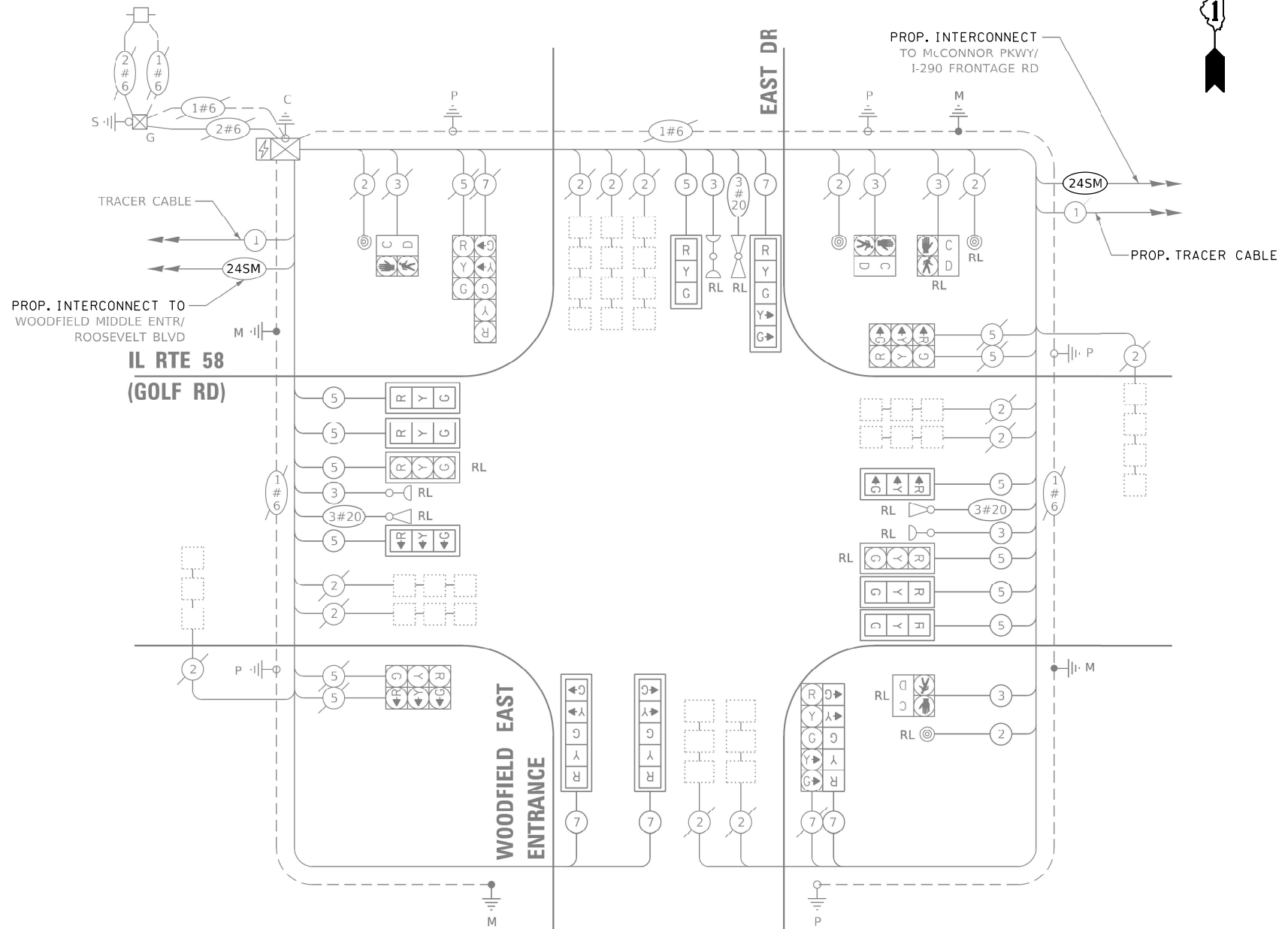


TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	12	10	10	12.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
PTZ CAMERA	-	75	100	-
			TOTAL =	455.0

TOTAL =	455.0
---------	-------

DESIGNED - KK	REVISED - KK - 08-12-2022
DRAWN - GM	REVISED -
CHECKED - DD	REVISED -
DATE - 06/30/2022	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	50
		CONTRACT NO. 62R81		
ILLINOIS		FED. AID PROJECT		



CABLE PLAN

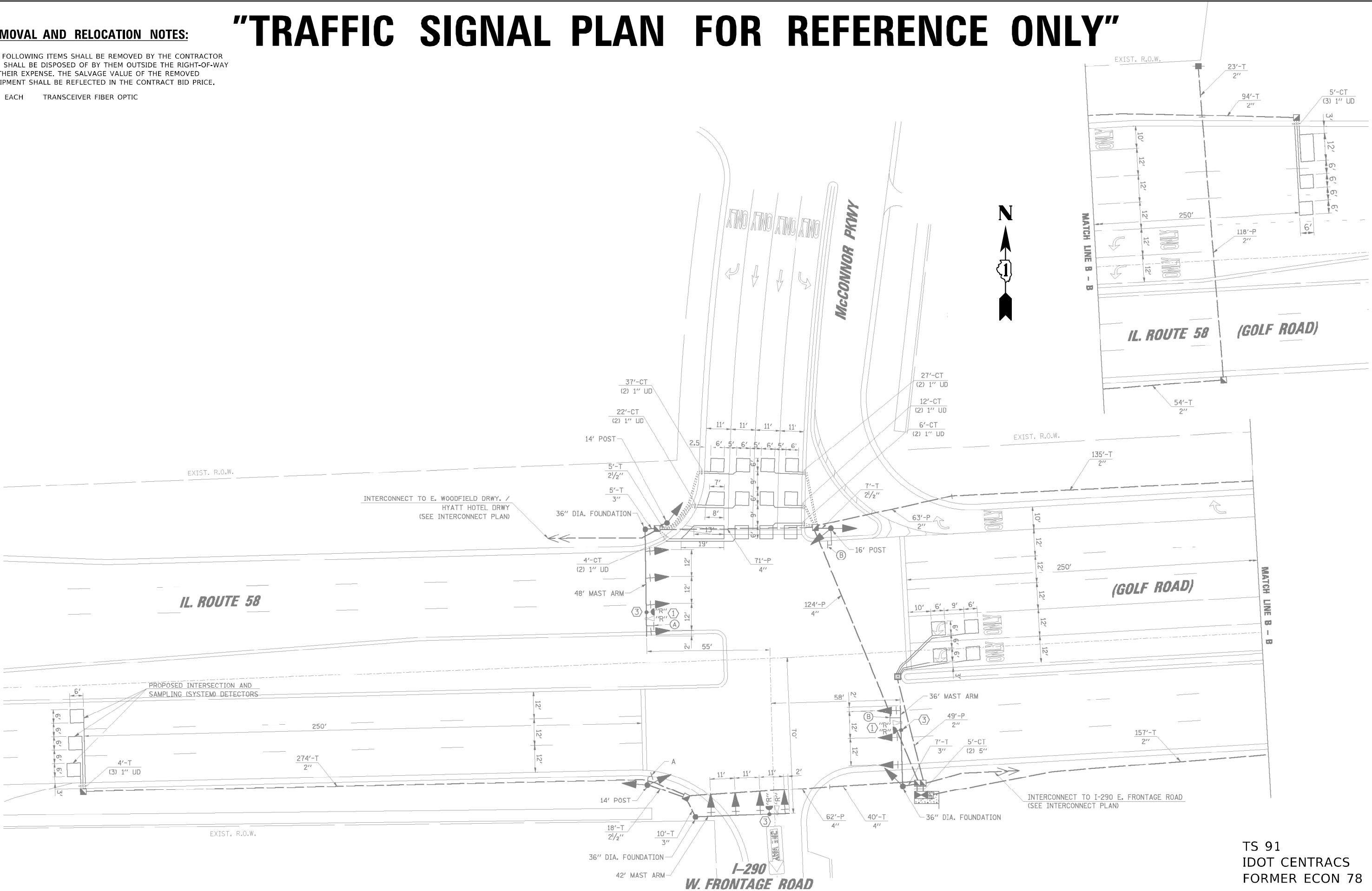
REMOVAL AND RELOCATION NOTES:

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 BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

MODEL: Default
FILE: \\usilnet-cw-bentley.com\\P\\DOT\\Documents\\DOT Office\\District 1\\Projects\\T15476\\CAD\\Data\\Traffic\\T15476-s-nt-ts.dgn



TS 91
IDOT CENTRACS
FORMER ECON 78

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
DRAWN - GM	REVISED -	
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

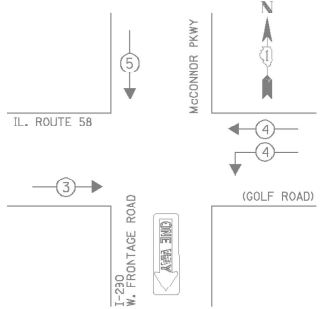
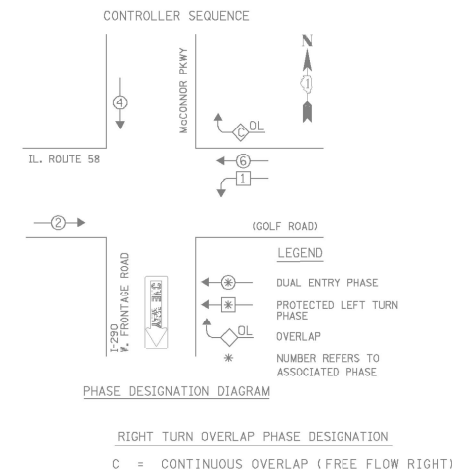
LOCATION #17
IL 58 (GOLF RD.) AT I-290 W. FRONTAGE RD. INTERSECTION PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	51
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

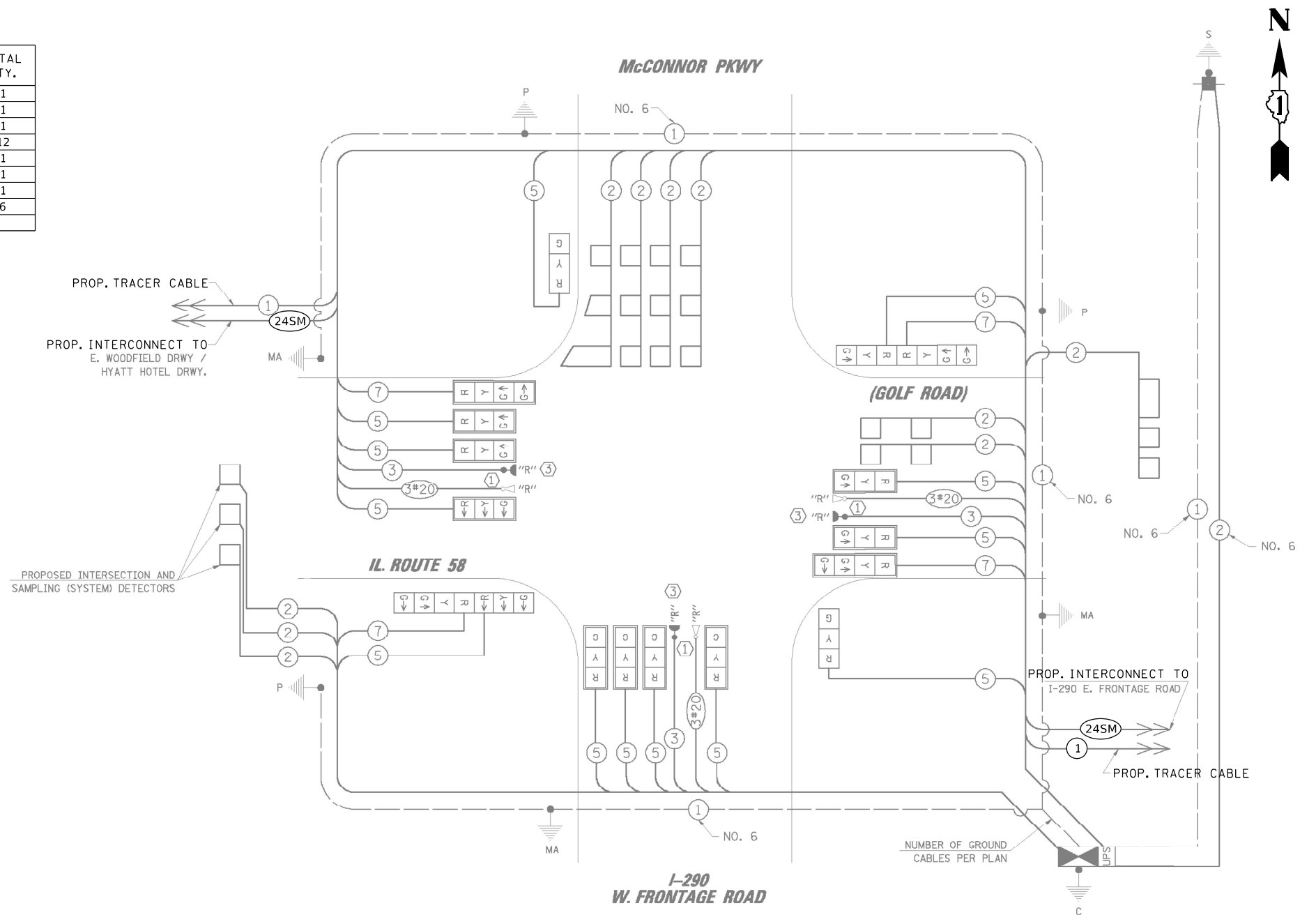
ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
CENTRACS LICENSE EXPANSION	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	← ↓	↓

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND. LED		X % OPERATION	
SIGNAL (RED)	17		17	0.50	144.50
(YELLOW)	17		25	0.25	106.25
(GREEN)	19		15	0.25	71.25
ARROW	2		12	1.00	24.00
PED. SIGNAL	-		25	1.00	-
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	-		25	0.05	-
FLASHER				0.50	-
ENERGY COSTS TO:				TOTAL =	446.00

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY: CONTACT: MARK GLOECKLE
PHONE: (630) 691-4529
COMPANY: COMED



CABLE PLAN

USER NAME = Kamil.Kobyłka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #17
IL 58 (GOLF RD.) AT I-290 W.FRONTAGE RD. CABLE PLAN

[illegible]

TS 91
IDOT CENTRACS
FORMER ECON 78

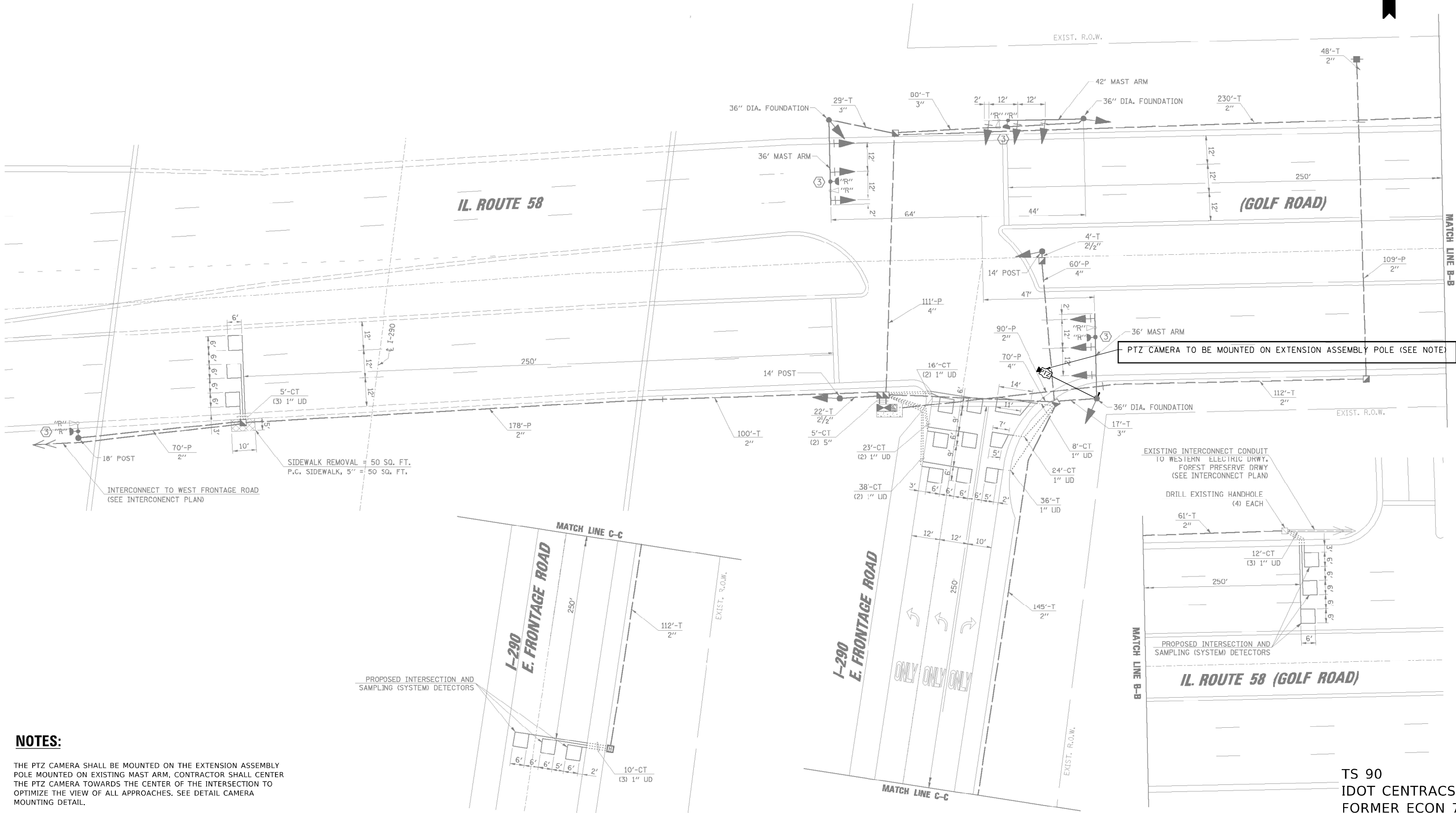
```
MODEL: Default
FILE NAME: new\ltd\zaw bentley.com\p\ltd\Documents\ltd\ Offices\District 1\Projects\T15476\CADData\Traffic\T15476-5b-5b-5b.dwg
```

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 BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



NOTES:

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

MODEL: Default
FILE: \\nslc01\public\aw_bentley.com\p\id\DOT\Documents\DOT Office\Dir\idc\1\Projects\115476\CADD\Drawn\Traffic\115476-ts-nt-ts.dgn

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #18
IL 58 (GOLF RD.) AT I-290 E. FRONTAGE RD. INTERSECTION PLAN

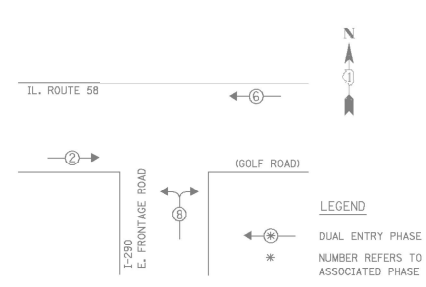
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	53
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

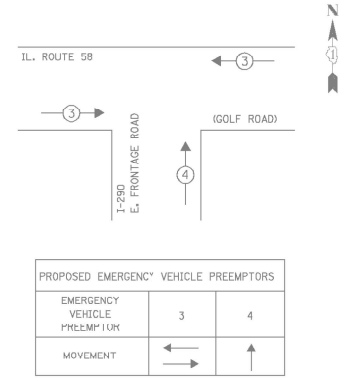
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	168
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	24
CAMERA MOUNTING ASSEMBLY	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1

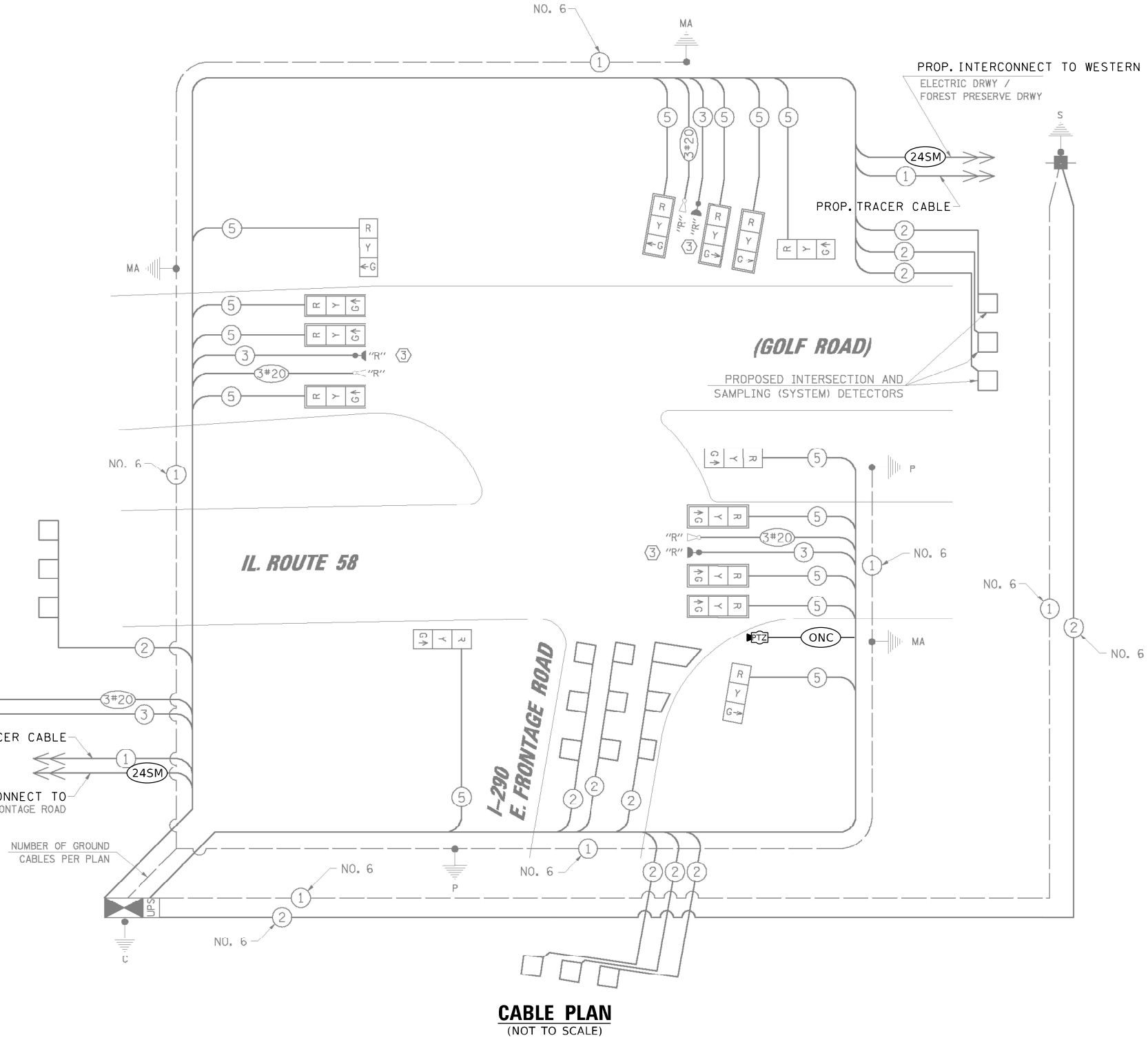
EXISTING CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	X % OPERATION	
SIGNAL (RED)	13		17	0.50	110.50
(YELLOW)	13		25	0.25	81.25
(GREEN)	13		15	0.25	48.25
ARROW	-		12	0.10	-
PED. SIGNAL	-		25	1.00	-
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	-		25	0.05	-
FLASHER				0.50	-
ENERGY COSTS TO:					TOTAL = 340.00
ILLINOIS DEPARTMENT OF TRANSPORTATION					
DIVISION OF HIGHWAY/DISTRICT 1					
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY: CONTACT: MARK GLOECKLE					
PHONE: (630) 691-4529					
COMPANY: COMED					



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #18
IL 58 (GOLF RD.) AT I-290 E. FRONTAGE RD. CABLE PLAN

TS 90
IDOT CENTRACS
FORMER ECON 78

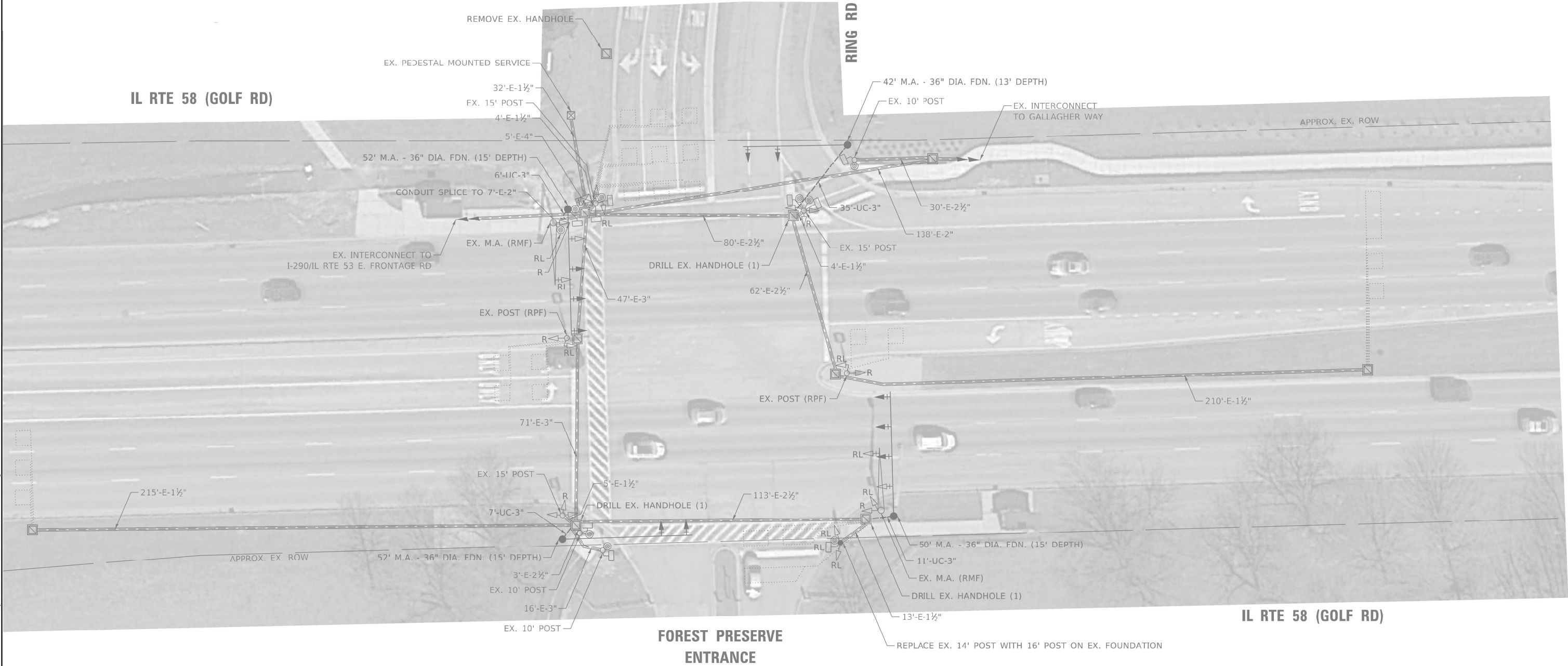
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	54
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE: ts90-ts90-aw-beadley.com-9100DOT-DocumentstDOT-Office-District 1/Projects/TS1578/CADDData/Traffic/TS1578-ts90-ts90.dgn

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 BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

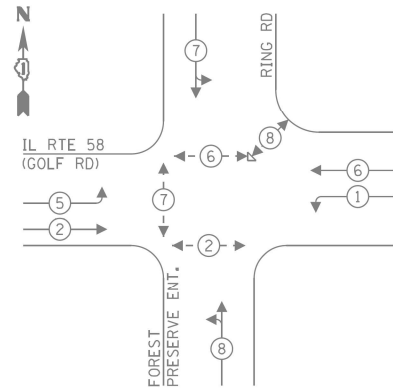
TS 2860
IDOT CENTRACS
FORMER ECON 78

	USER NAME = Kamil,Kobyłka	DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #19 IL 58 (GOLF RD.) AT RING RD. INTERSECTION PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GM	REVISED -						VAR.	2022 TRAFFIC 01	COOK	241	55
	PLOT SCALE = 40,0000 ' / in.	CHECKED - DD	REVISED -		CONTRACT NO. 62R81								
	PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS	FED. AID PROJECT

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
CENTRACS LICENSE EXPANSION	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6

EXISTING CONTROLLER SEQUENCE



LEGEND:

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

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

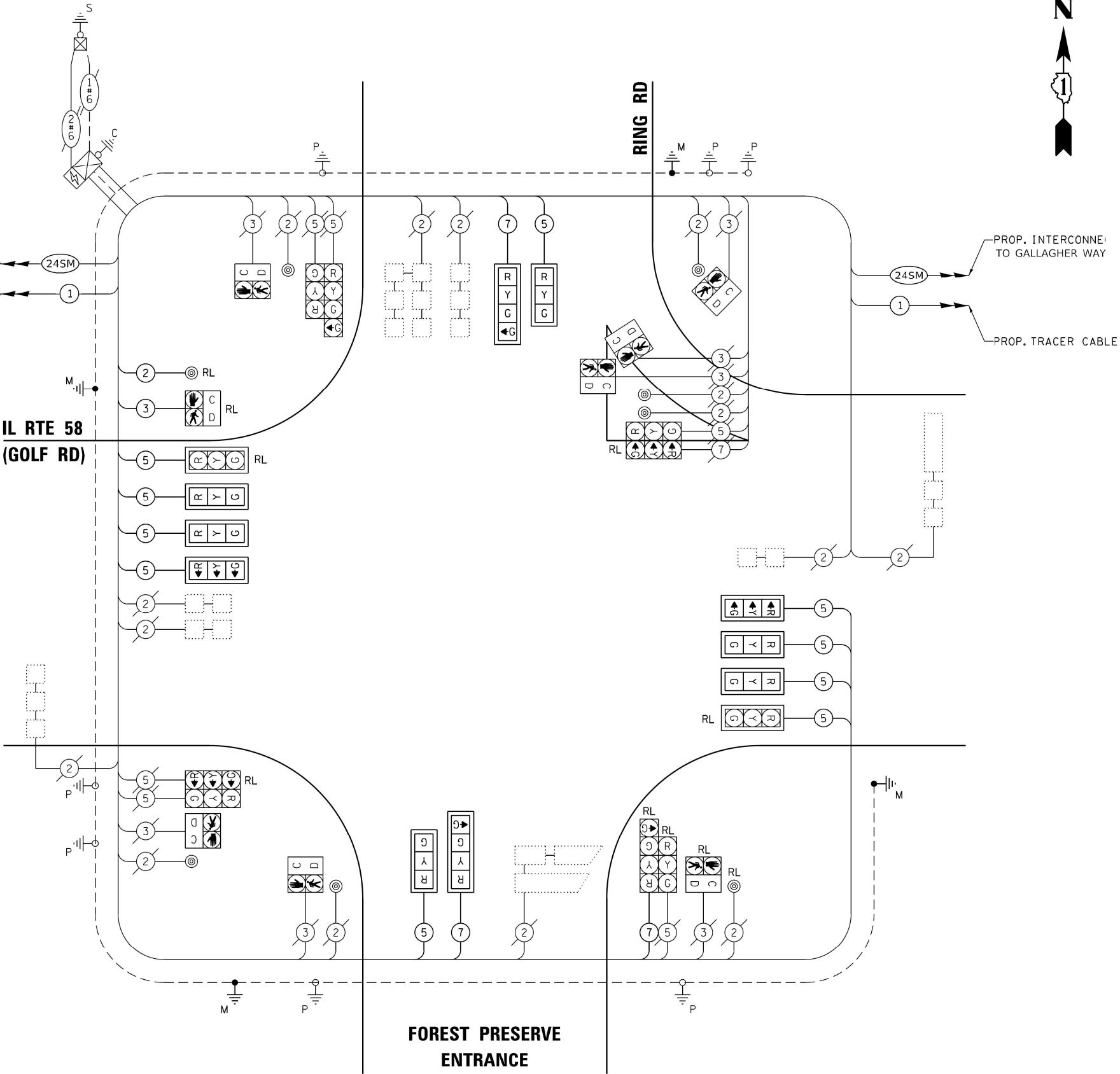
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	24	12	45	129.6
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				544.6

ENERGY COSTS TO:

CITY OF ROLLING MEADOWS

3900 BERNICK ST
ROLLING MEADOWS, IL 60008

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



FOREST PRESERVE
ENTRANCE

CABLE PLAN
(NOT TO SCALE)



TS 2860
DOT CENTRACS
FORMER ECON 78

MODEL: Default
FILE: ts2860-aw-bentley.com-PLW\DOT\Documents\DOT Office\District 1\Projects\T15476\CAD\Drawn\Traffic\T15476-ent-ts.dgn

USER NAME	= Kamil.Kobylka
PLOT SCALE	= 40,0000 ' / in.
PLOT DATE	= 8/15/2022

DESIGNED	- KK
DRAWN	- GM
CHECKED	- DD
DATE	- 06/30/2022

REVISED	- KK - 08-12-2022
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #19
IL 58 (GOLF RD.) AT RING RD. CABLE PLAN

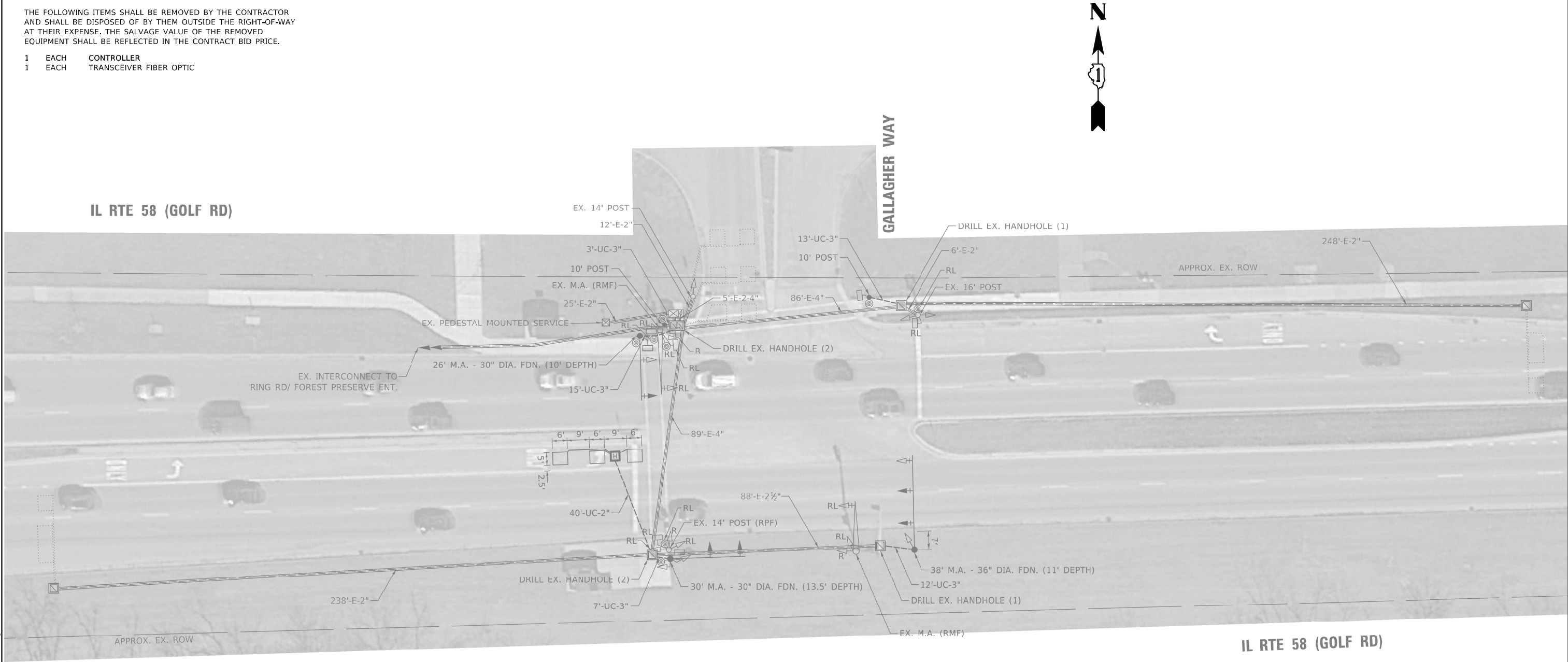
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	56
CONTRACT NO. 62R81				
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 BID PRICE.

- 1 EACH CONTROLLER
- 1 EACH TRANSCEIVER FIBER OPTIC

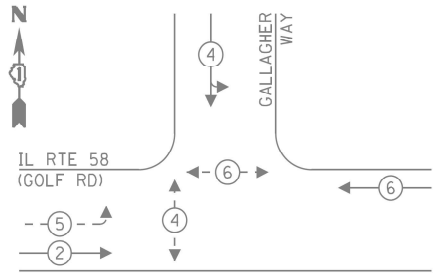


"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 2770
IDOT CENTRACS
FORMER ECON 78

MODEL: Default FILE: kamilc:\projects\aw\benley.com\PIV\DOT\Documents\DOT Office\Dir\rdt 1\Projects\T15476\CAD\DATA\Traffic\T15476-s-nt-ts.dgn	USER NAME = Kamil.Kobylka		DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #20 IL 58 (GOLF RD.) AT GALLAGHER WAY INTERSECTION PLAN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - GM		CHECKED - DD	REVISED -		SCALE:			VAR.	2022 TRAFFIC 01	COOK	241	57
	PLOT SCALE = 40,0000 * / in.		DATE - 06/30/2022	REVISED -		SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62R81				
	PLOT DATE = 8/15/2022								ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



LEGEND:

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	6
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1

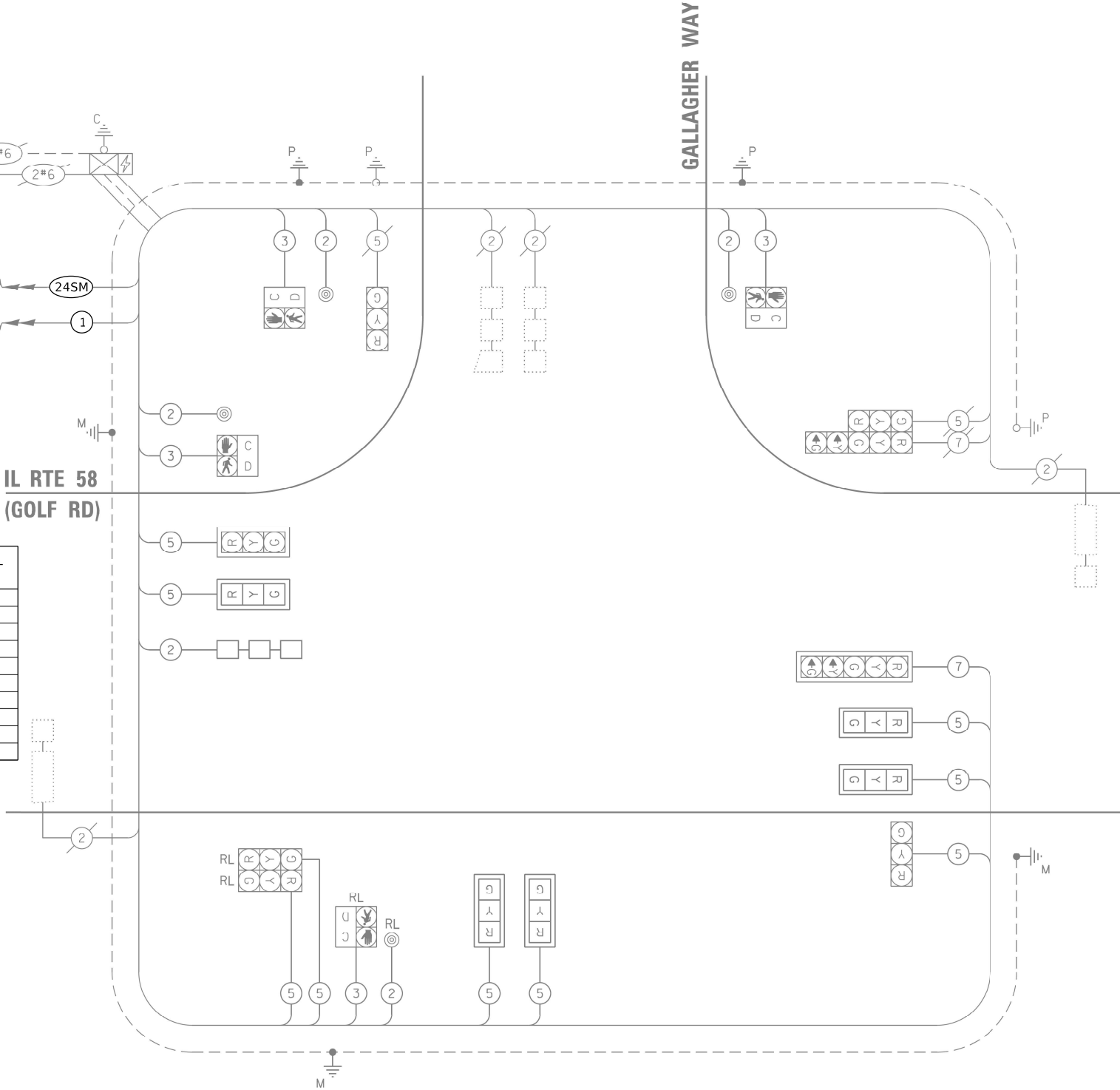
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	13	12	45	70.2
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				363.7

ENERGY COSTS TO:

CITY OF ROLLING MEADOWS
3900 BERNICK ST
ROLLING MEADOWS, IL 60008

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



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #20
IL 58 (GOLF RD.) AT GALLAGHER WAY CABLE PLAN

TS 2770
IDOT CENTRACS
FORMER ECON 78

MODEL: Default
FILE: \\nrc\csw\beadley.com\PIV\DOT\Documents\DOT Office\Dir\rdt_1\Projects\T15476\CD\Data\Traffic\T15476-s-n-t-ts.dgn

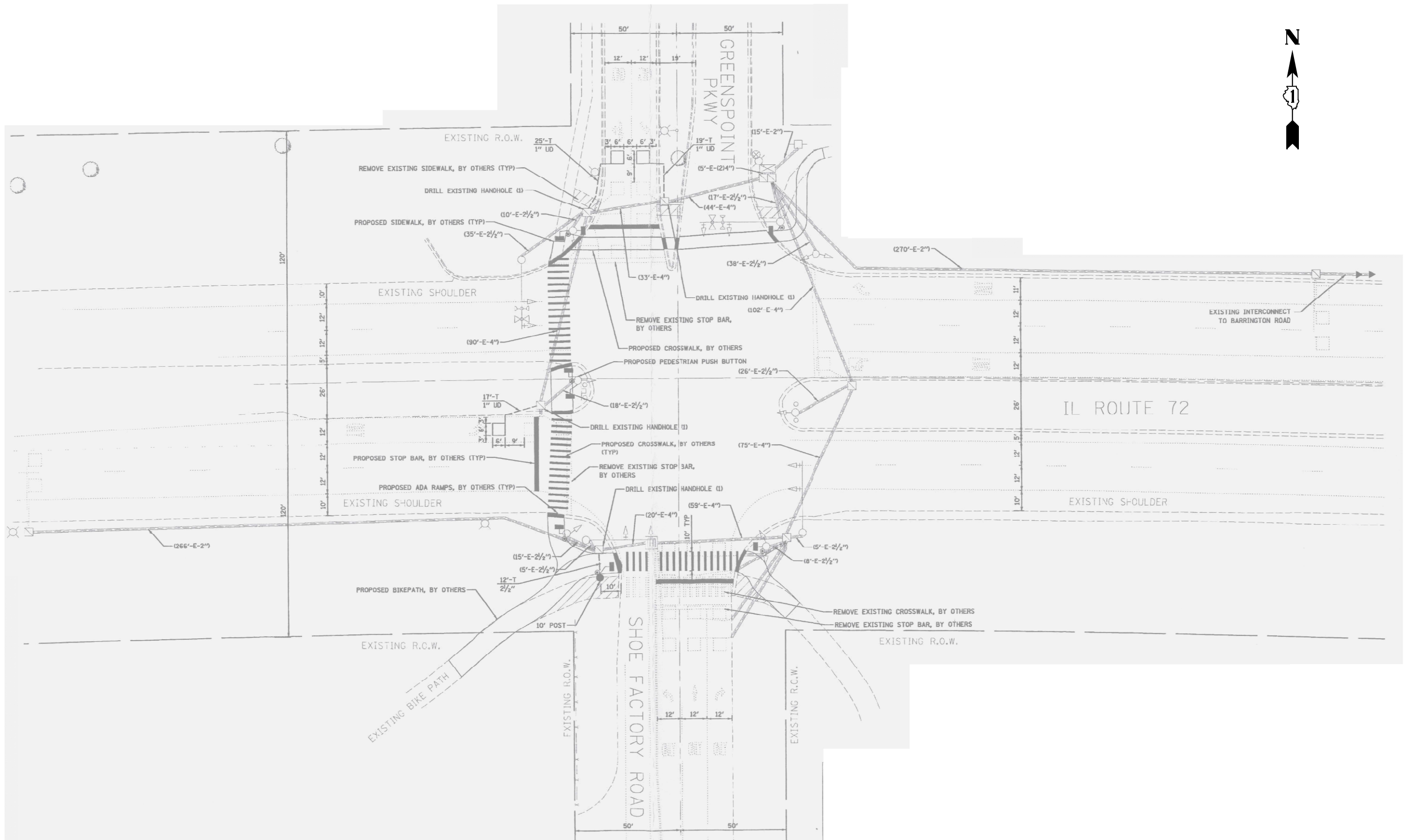
USER NAME = Kamil.Kobylka
PLOT SCALE = 40,0000 * / in.
PLOT DATE = 8/15/2022

DESIGNED - KK
DRAWN - GM
CHECKED - DD
DATE - 06/30/2022

REVISED - KK - 08-12-2022
REVISED -
REVISED -
REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	58
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 11133
IDOT CENTRACS
FORMER ECON 73

USER NAME = Kamil,Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000 " / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE = 06/30/2022	REVISED -

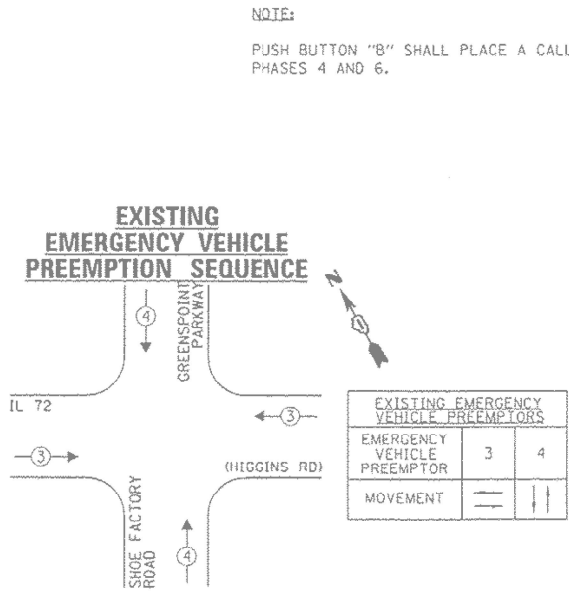
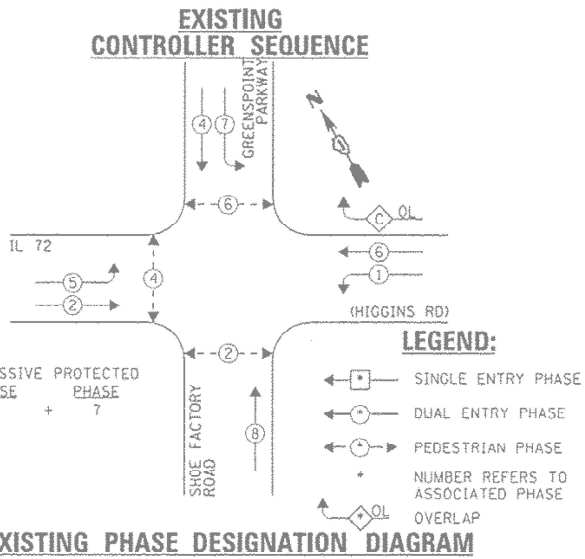
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #21
IL 72 (HIGGINS RD.) AT SHOE FACTORY RD. INTERSECTION PLAN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	59
		CONTRACT NO. 62R81		
		ILLINOIS	FED. AID PROJECT	

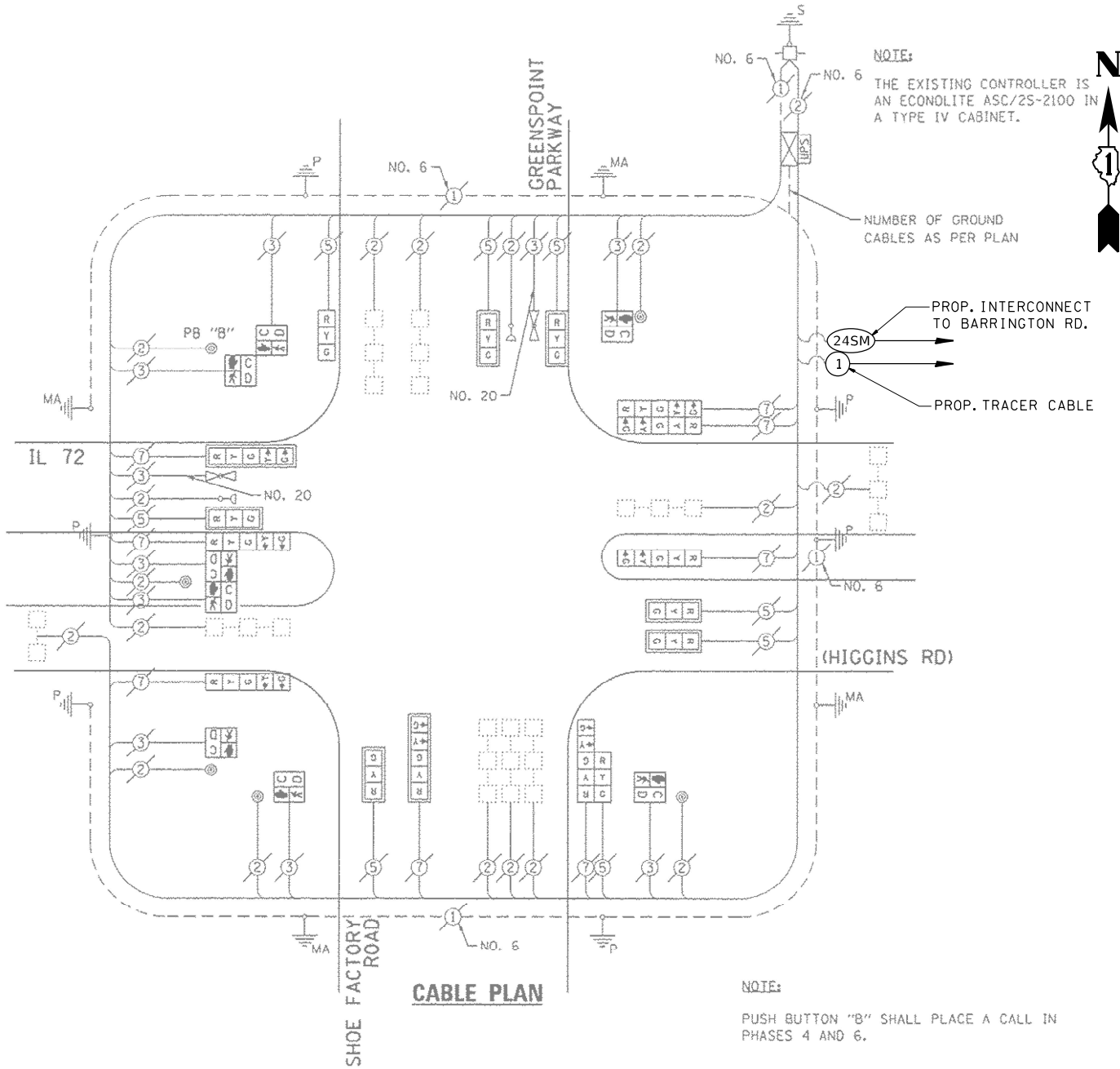
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TERMINATE FIBER IN CABINET	EACH	6
LAYER III FIBER OPTIC TRANSCEIVER MODULE, SFP TYPE, LONG DISTANCE	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1



NOTE:

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



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	16	135	17	0.50	136.0
SIGNAL (YELLOW)	16	135	25	0.25	100.0
SIGNAL (GREEN)	16	135	15	0.25	60.0
ARROW	14	135	12	0.10	16.8
PED. SIGNAL	6	90	25	1.00	150.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. 3" NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL =					587.8

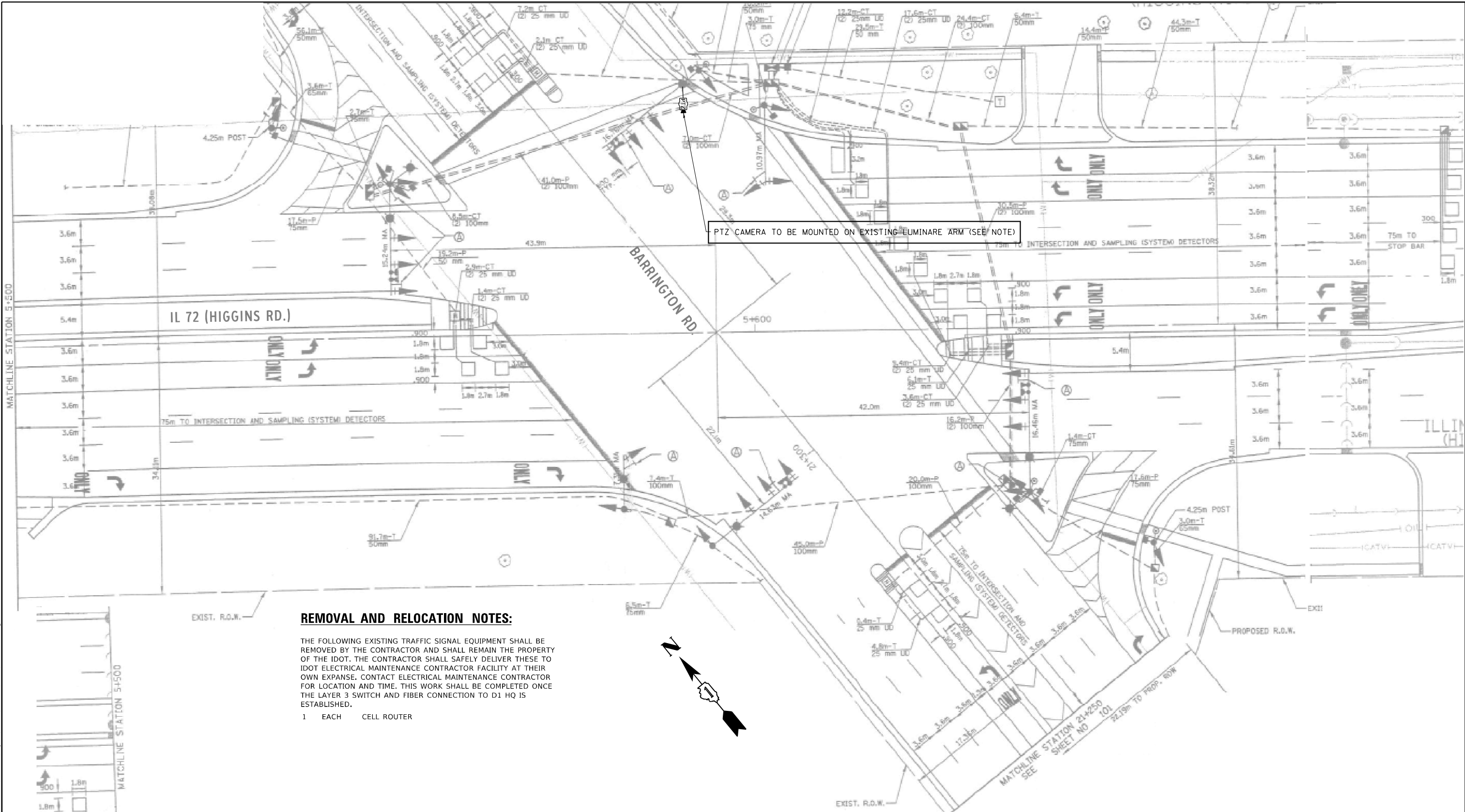
ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHAMBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMED - OAKBROOK TERRACE

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
PLOT SCALE = 40,0000' / in.	DRAWN - GM	REVISED -
PLOT DATE = 8/15/2022	CHECKED - DD	REVISED -
	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #21			
IL 72 (HIGGINS RD.) AT SHOE FACTORY RD. CABLE PLAN			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	60
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL SAFELY DELIVER THESE TO IDOT ELECTRICAL MAINTENANCE CONTRACTOR FACILITY AT THEIR OWN EXPENSE. CONTACT ELECTRICAL MAINTENANCE CONTRACTOR FOR LOCATION AND TIME. THIS WORK SHALL BE COMPLETED ONCE THE LAYER 3 SWITCH AND FIBER CONNECTION TO D1 HQ IS ESTABLISHED.

- 1 EACH CELL ROUTER

NOTES:

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

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

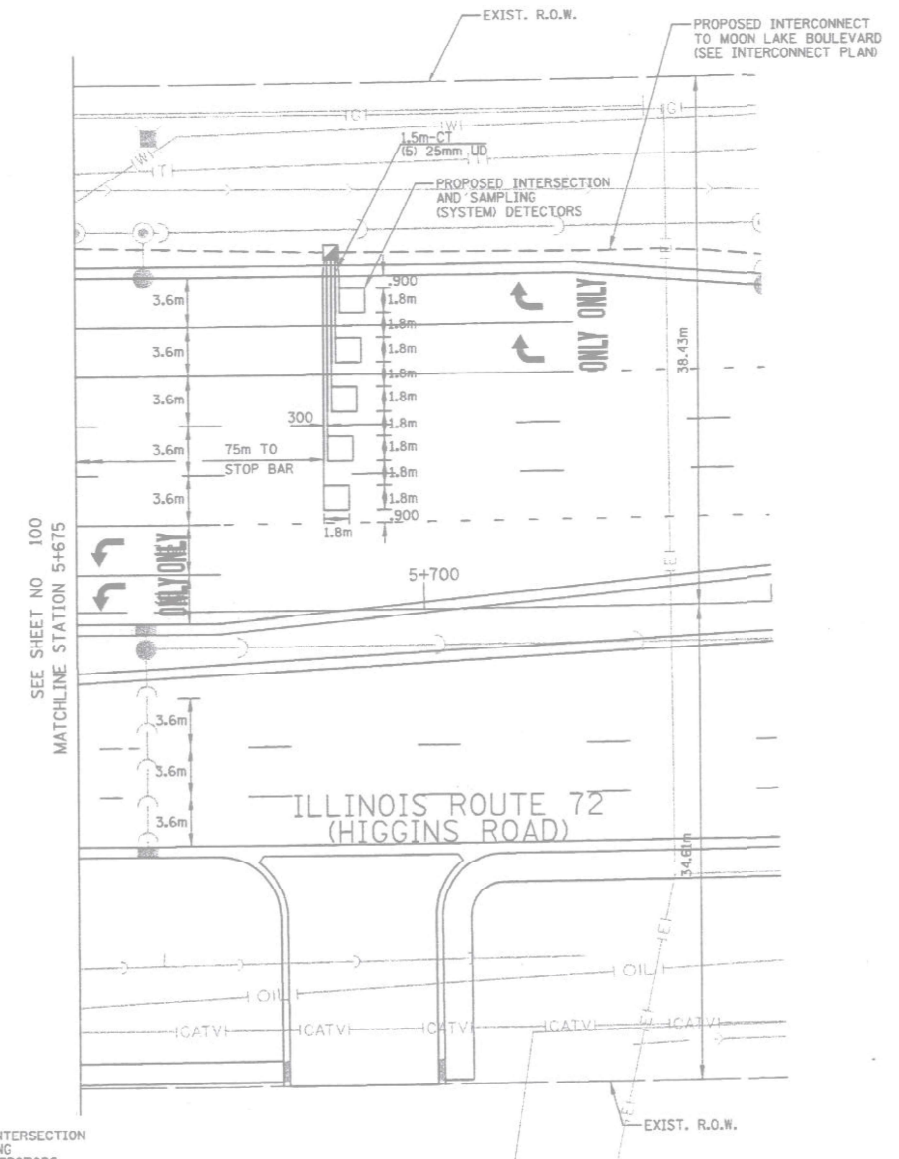
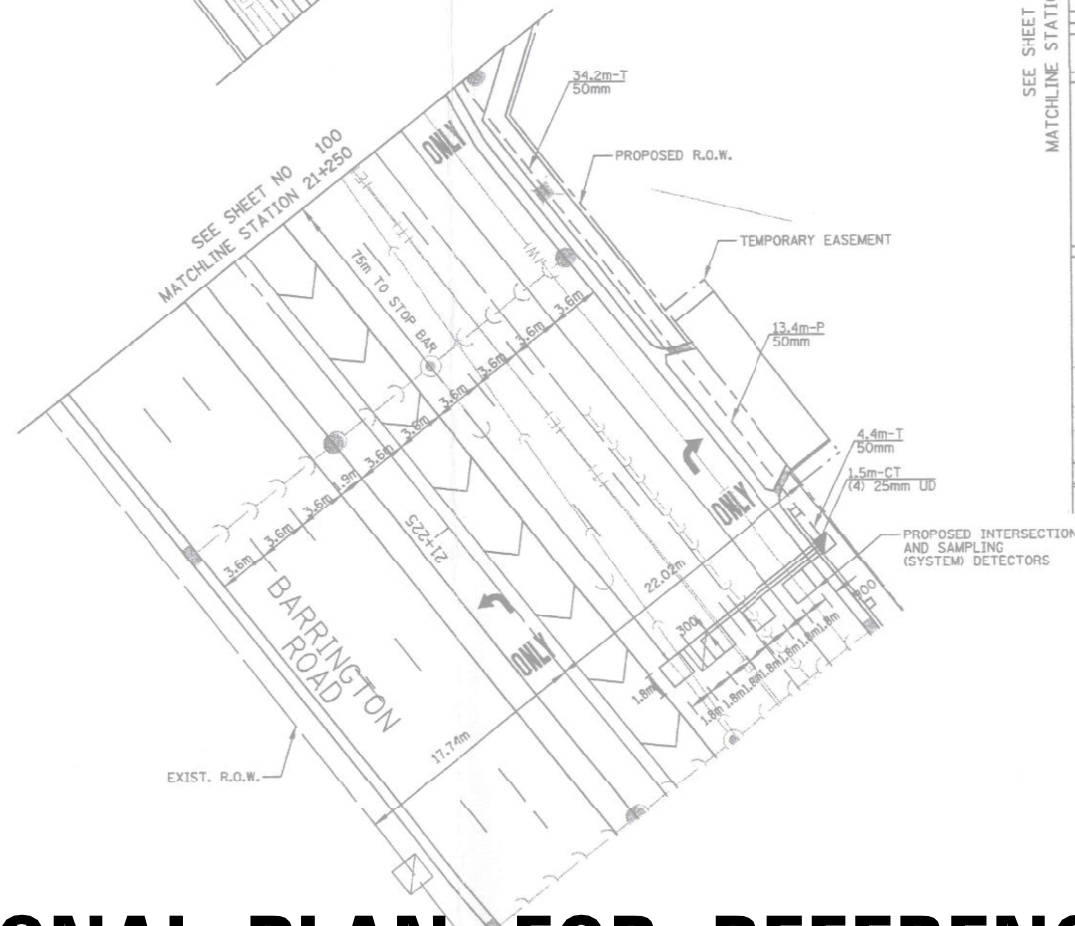
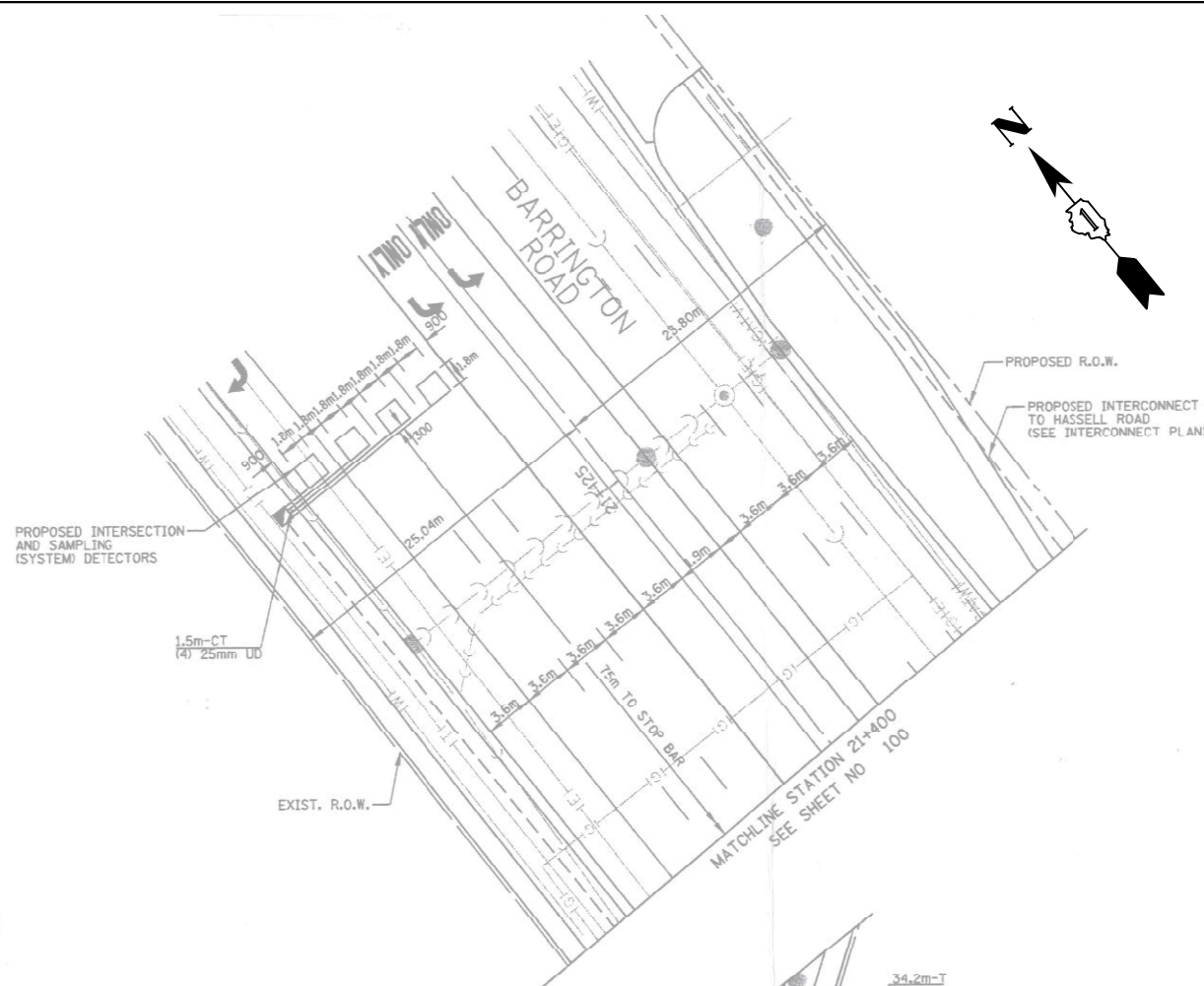
TS 3290
IDOT CENTRACS
FORMER ECON 73

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
PLOT SCALE = 40,0000 * / in.	DRAWN - GM	REVISED -
PLOT DATE = 8/15/2022	CHECKED - DD	REVISED -
	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #22			
IL 72 (HIGGINS RD.) AT BARRINGTON RD. INTERSECTION PLAN SHEET 1			
SCALE:	SHEET	OF	SHEETS
STA.	TO	STA.	TO

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	61
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3290
IDOT CENTRACS
FORMER ECON 73

USER NAME = Kamil.Kobylika	DESIGNED - KK	REVISED - KK - 08-12-2022
DRAWN - GM	REVISOR -	
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

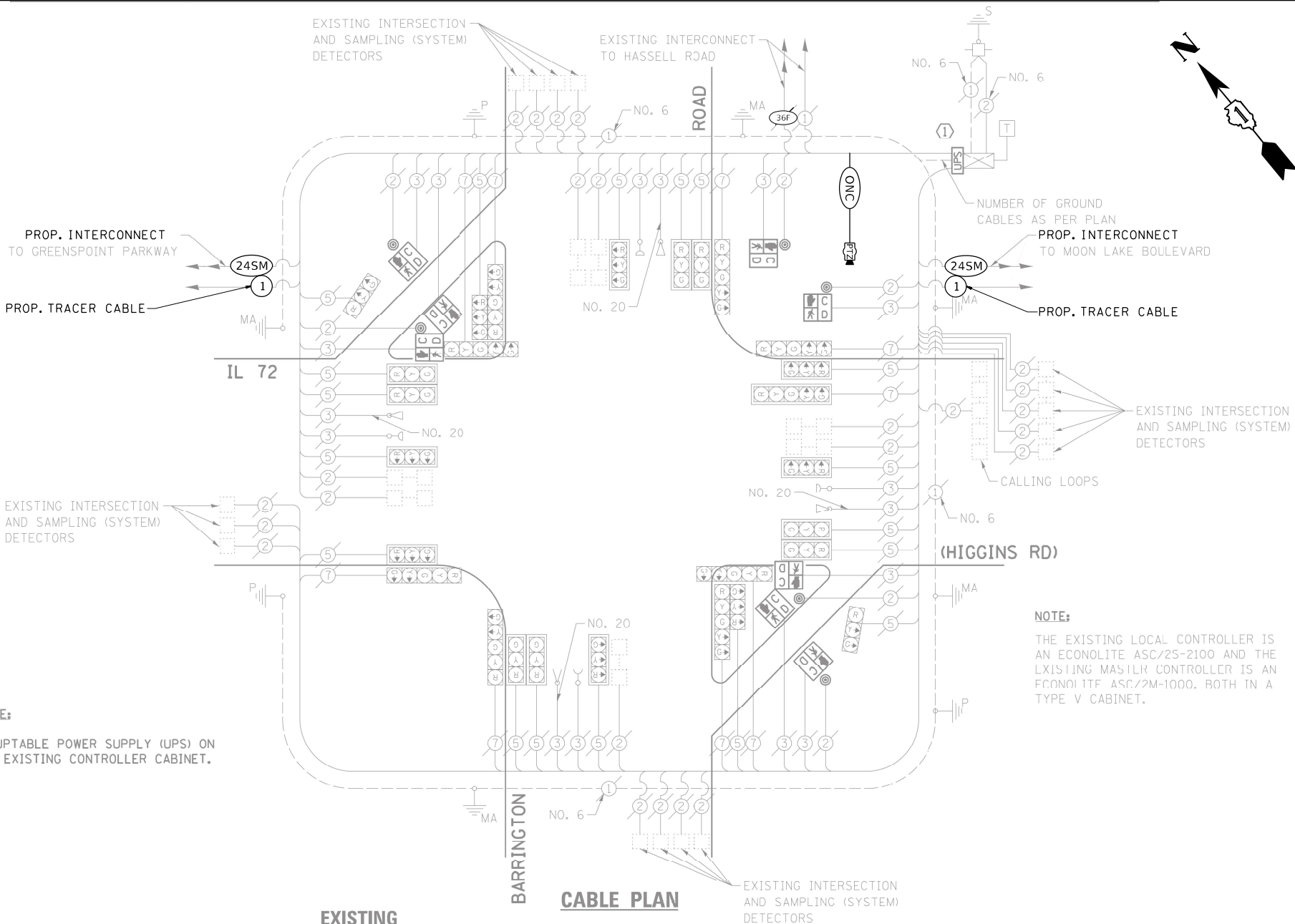
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #22	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
IL 72 (HIGGINS RD.) AT BARRINGTON RD. INTERSECTION PLAN SHEET 2							

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	62
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

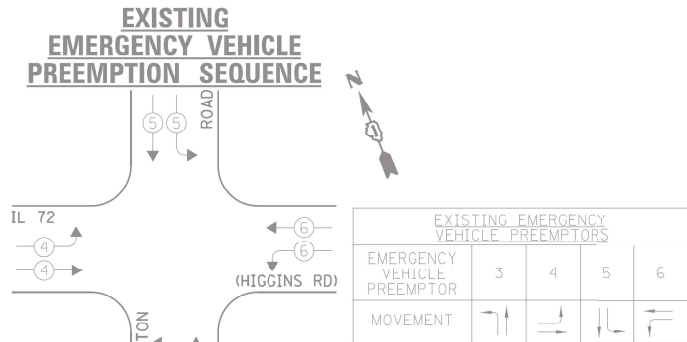
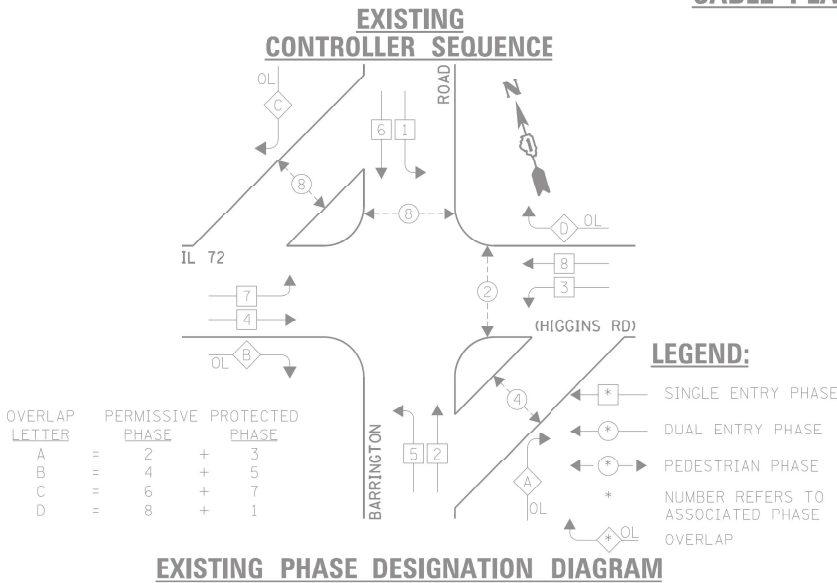
ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	115
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	36
LAYER III FIBER OPTIC TRANSCEIVER MODULE, SFP TYPE, LONG DISTANCE	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1



CONSTRUCTION NOTE:
① INSTALL UNINTERRUPTABLE POWER SUPPLY (UPS) ON LEFT SIDE OF THE EXISTING CONTROLLER CABINET.

NOTE:
THE EXISTING LOCAL CONTROLLER IS AN ECONOLITE ASC/25-2100 AND THE EXISTING MASLR CONTROLLER IS AN ECONOLITE ASC/2M-1000. BOTH IN A TYPE V CABINET.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	27	135	17	0.50	229.5
SIGNAL (YELLOW)	27	135	25	0.25	168.75
SIGNAL (GREEN)	27	135	15	0.25	101.25
ARROW	18	135	12	0.10	21.6
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL =					846.1
ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAMBURG, IL 60196-1096					
ENERGY SUPPLY - CONTACT: DAVE SCHACHT (PHONE) 630-437-2129 (COMPANY) COMED - OAKBROOK TERRACE					



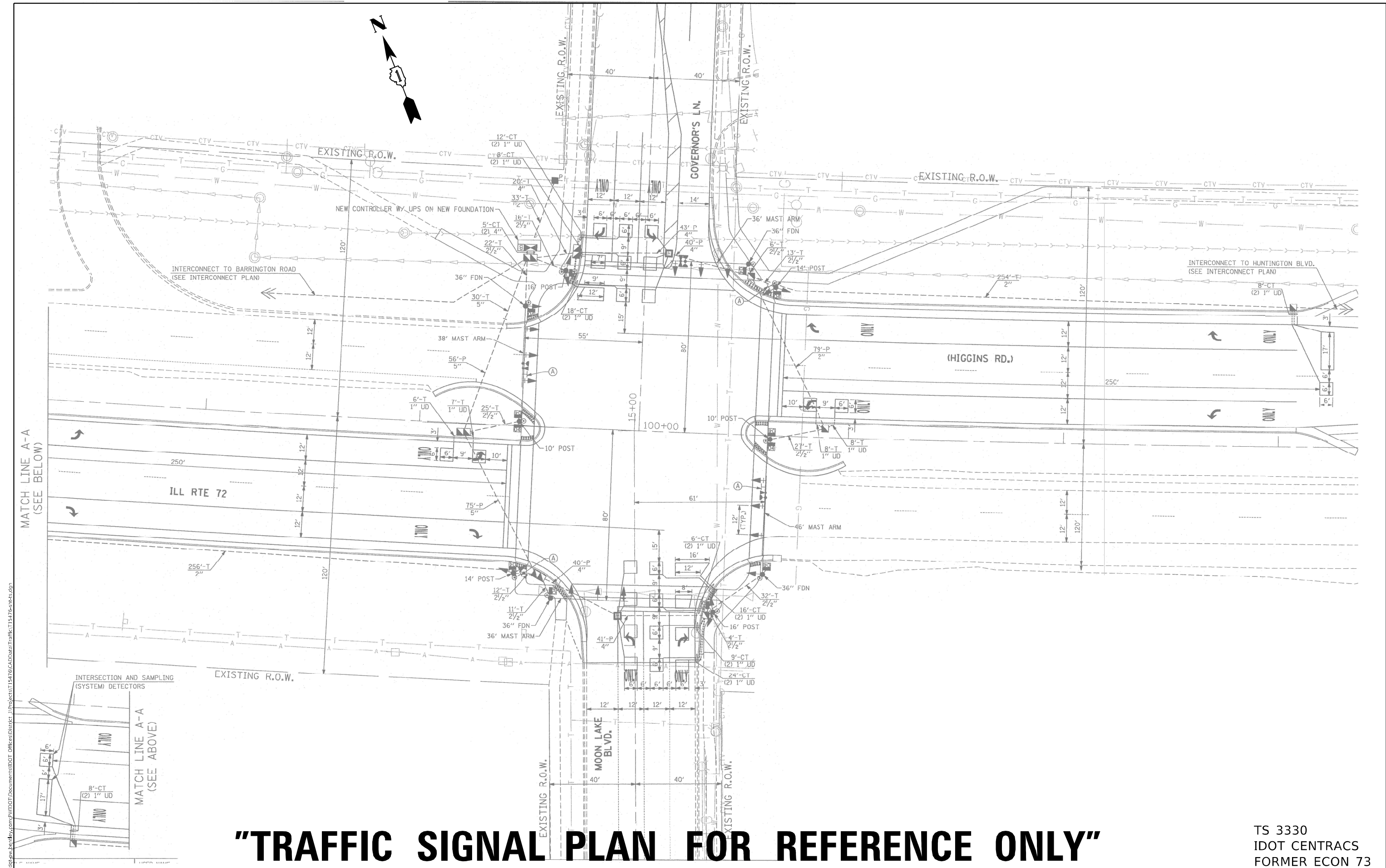
TS 3290
IDOT CENTRACS
FORMER ECON 73

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #22
IL 72 (HIGGINS RD.) AT BARRINGTON RD. CABLE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

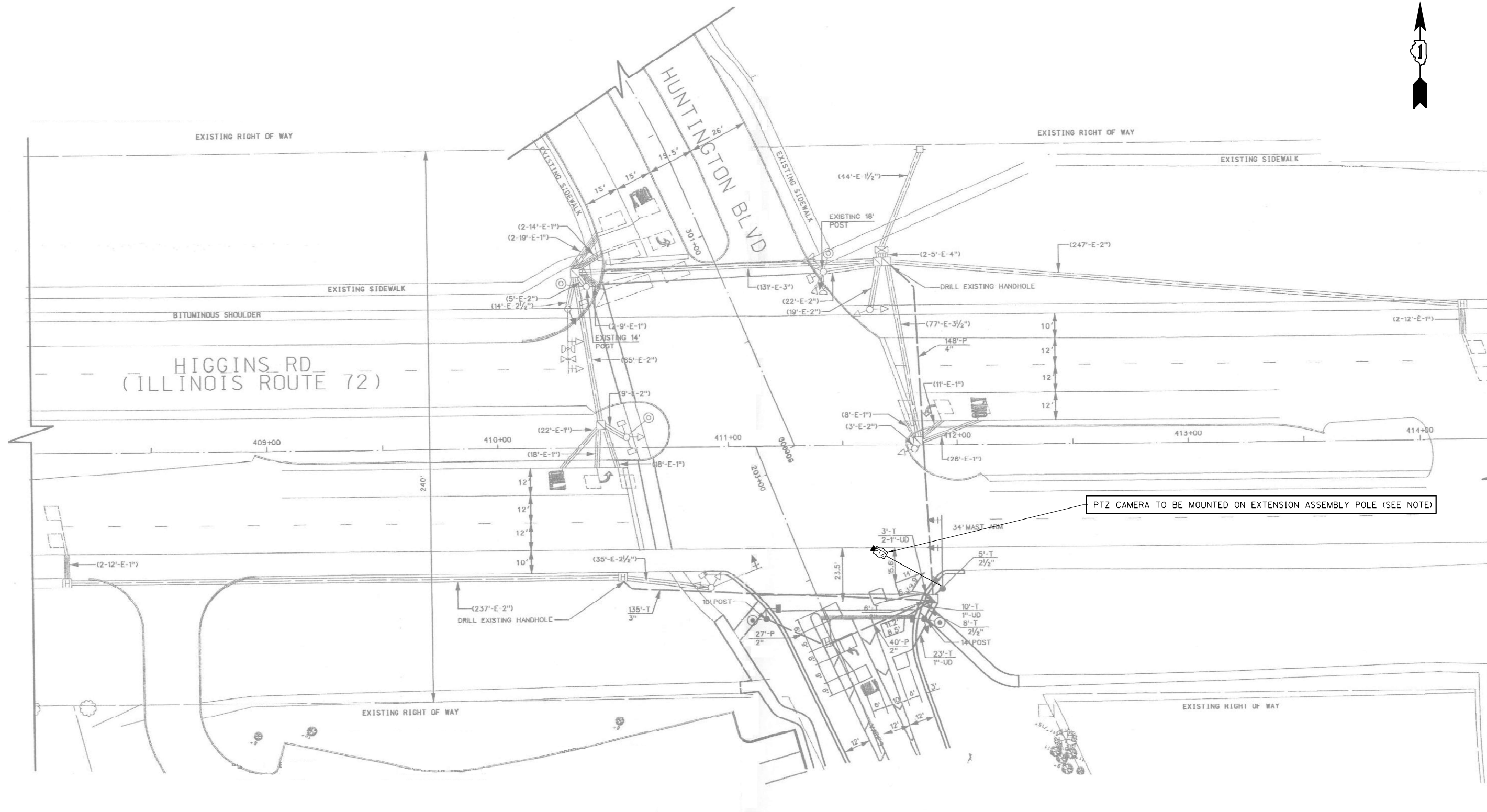
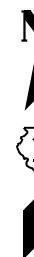
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	63
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3330
IDOT CENTRACS
FORMER ECON 73

MODEL: Default FILE NAME: 2333	USER NAME = Kamil,Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #23 IL 72 (HIGGINS RD.) AT MOON LAKE RD. INTERSECTION PLAN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GM	REVISED -					VAR.	2022 TRAFFIC 01	COOK	241	64
	PLOT SCALE = 40,0000' / in.	CHECKED - DD	REVISED -		CONTRACT NO. 62R81							
	PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -					ILLINOIS FED. AID PROJECT				



NOTES:

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

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 12075
IDOT CENTRACS
FORMER ECON 73

MODEL: Default
FILE: ts12075_traffic_signal_plan.dgn
PROJECT: TS12075 (HIGGINS RD.) AT HUNTINGTON BLVD. INTERSECTION PLAN
DATE: 8/15/2022

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

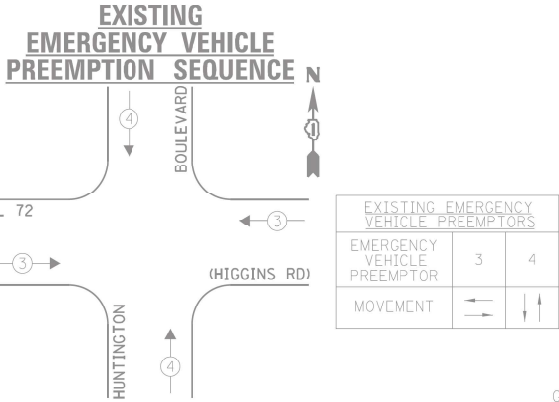
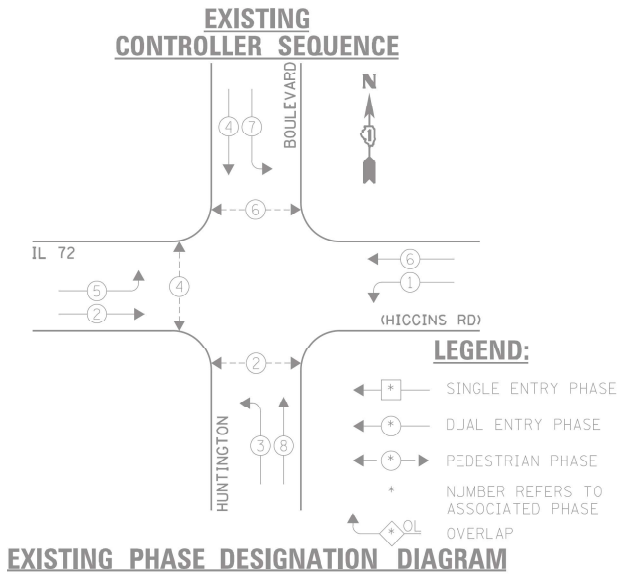
LOCATION #24
IL 72 (HIGGINS RD.) AT HUNTINGTON BLVD. INTERSECTION PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

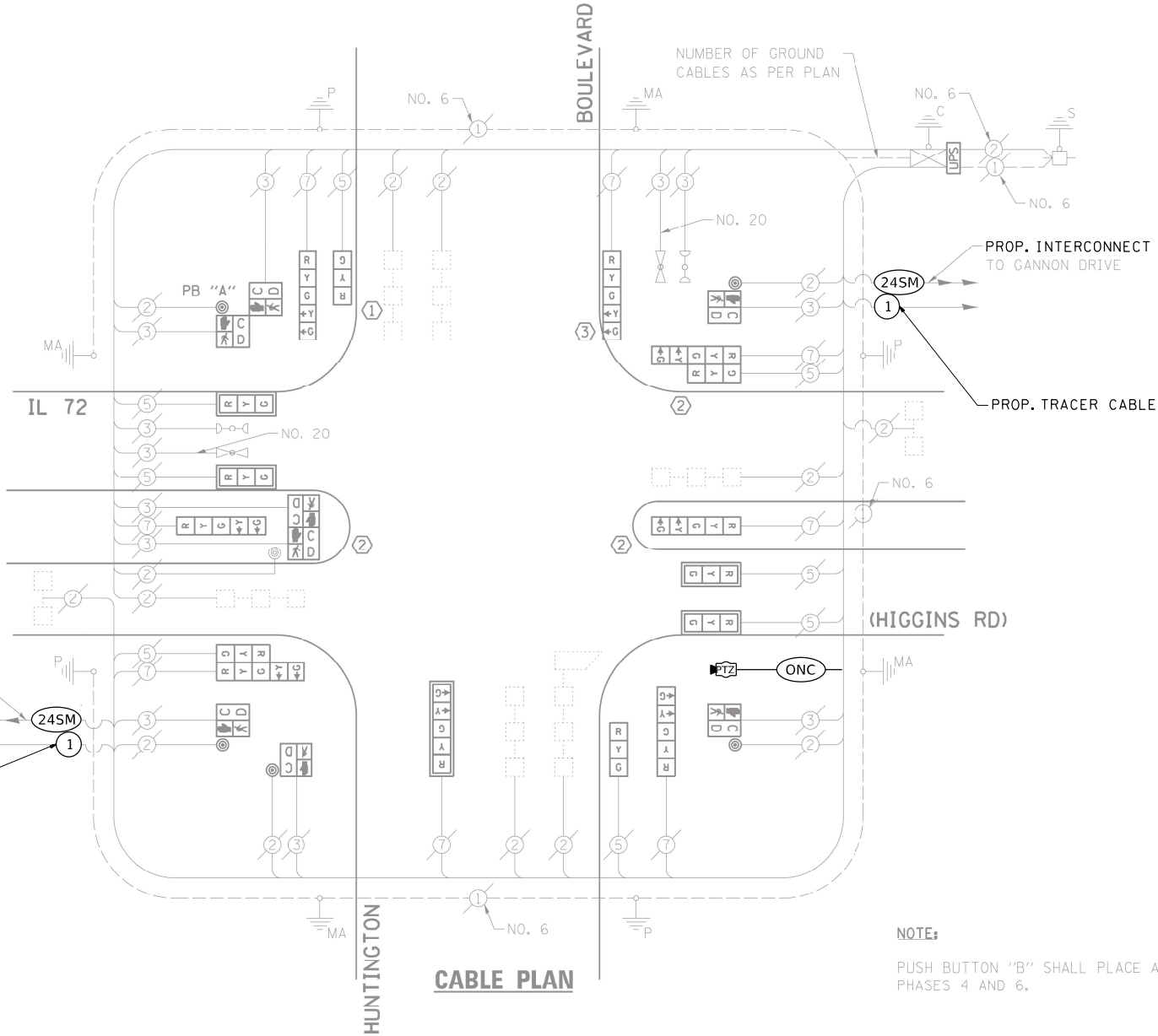
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	66
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	220
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
CAMERA MOUNTING ASSEMBLY	EACH	1
LAYER III FIBER OPTIC TRANSCEIVER MODULE, SFP TYPE, LONG DISTANCE	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	16	135	17	0.50	136.0
SIGNAL (YELLOW)	16	135	25	0.25	100.0
SIGNAL (GREEN)	16	135	15	0.25	60.0
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL =					640.2
ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAMBURG, IL 60196-1096					
ENERGY SUPPLY - CONTACT: DAVE SCHACHT (PHONE) 630-437-2129 (COMPANY) COMED - OAKBROOK TERBACF					



GT-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #24
IL 72 (HIGGINS RD.) AT HUNTINGTON BLVD. CABLE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	67
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

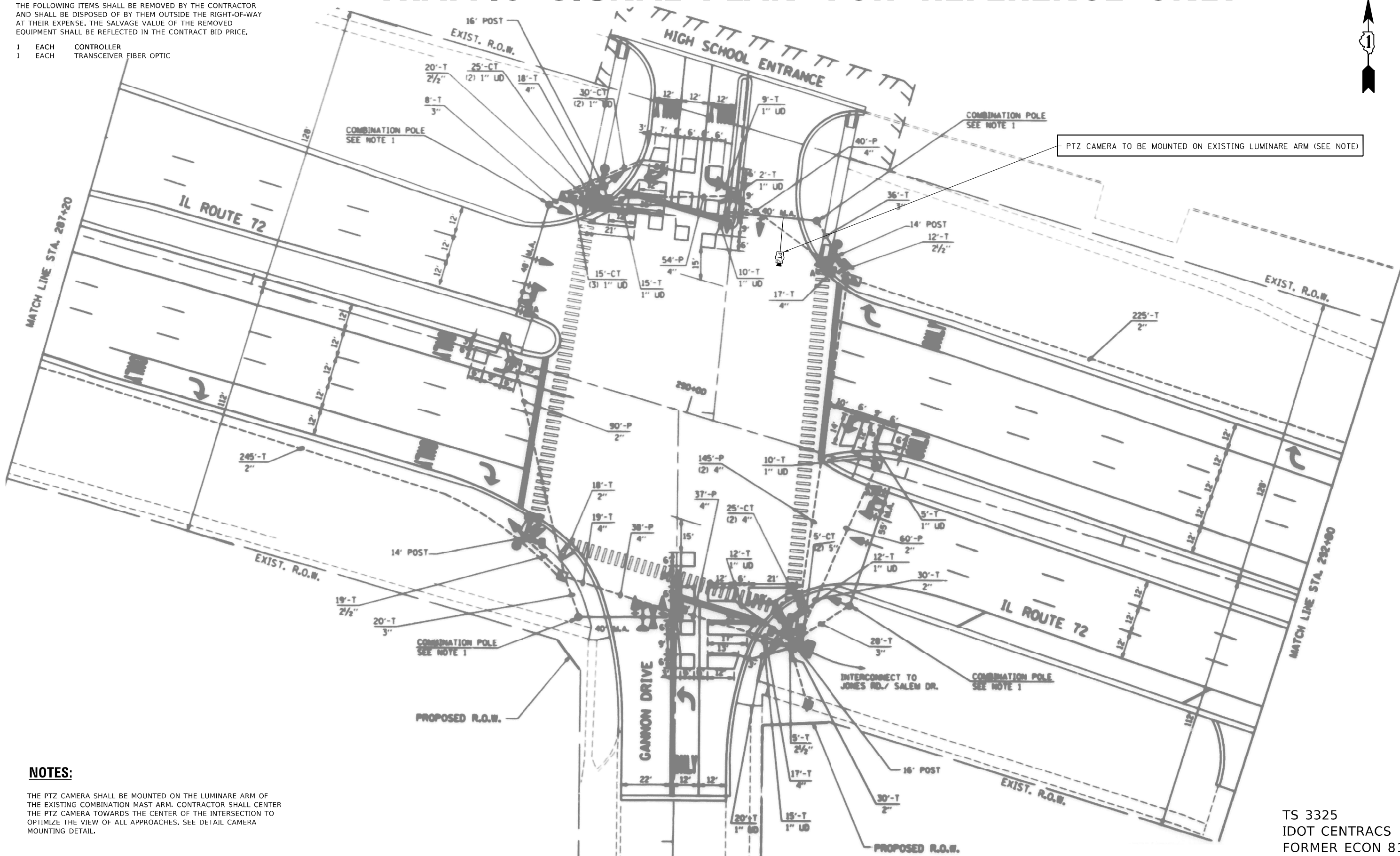
TS 12075
IDOT CENTRACS
FORMER ECON 73

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 BID PRICE.

- 1 EACH CONTROLLER
1 EACH TRANSCEIVER FIBER OPTIC

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



NOTES:

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

TS 3325
IDOT CENTRACS
FORMER ECON 81

MODEL: Default
FILE: \\nortel-arw-bentley.com\PIV\DOT\Documents\DOT Offices\District 1\Projects\T15476\CADD\at1\Traffic\T15476-ts-nts.dgn

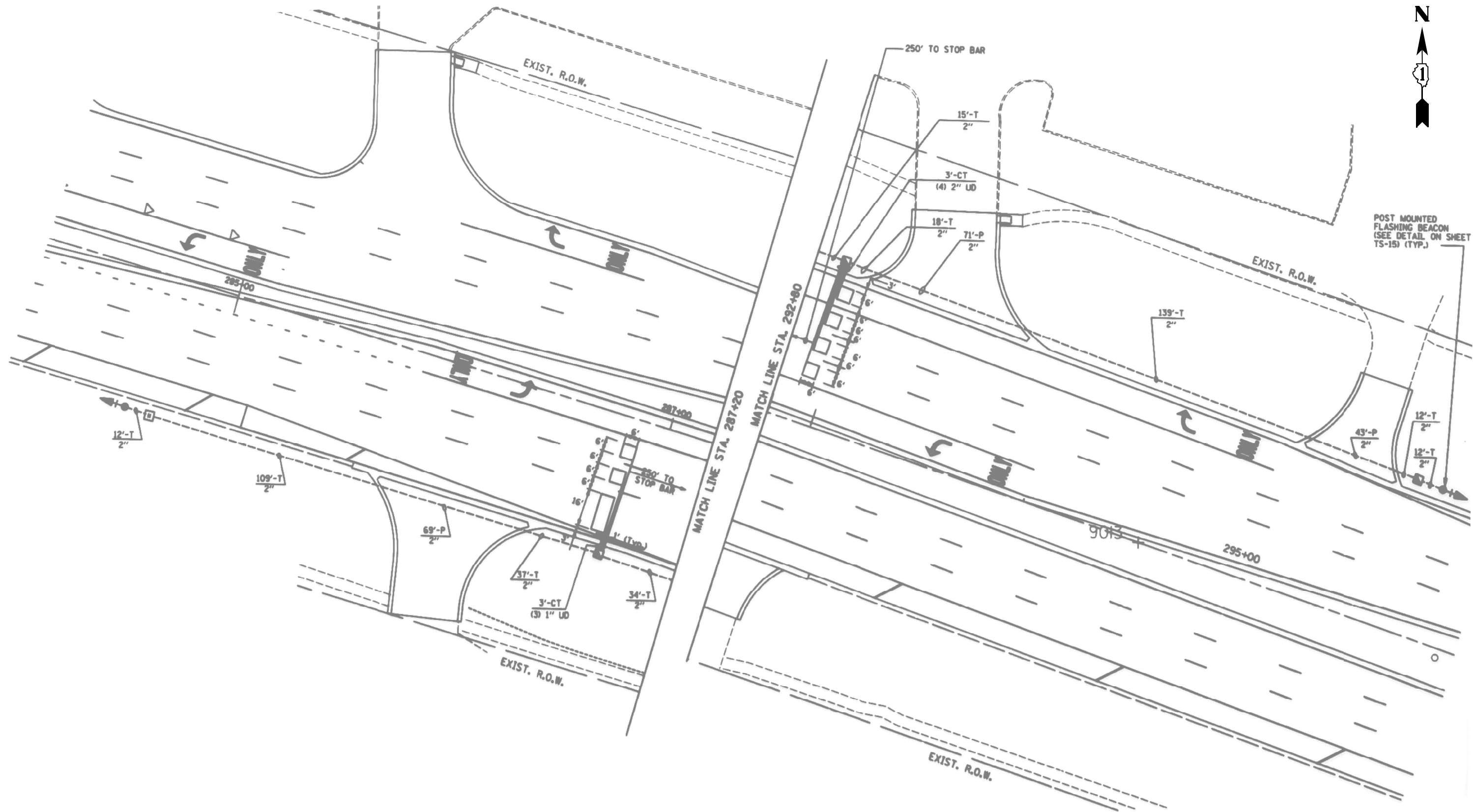
USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #25
IL 72 (HIGGINS RD.) AT GANNON DR. INTERSECTION PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	68
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3325
IDOT CENTRACS
FORMER ECON 81

MODEL: Default
FILE: ts3325_traffic_signal_plan.dgn
PROJECT: TS3325 (HIGGINS RD.) AT GANNON DR. INTERSECTION
DATE: 8/15/2022

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
DRAWN - GM	REVISOR -	
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISOR -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISOR -

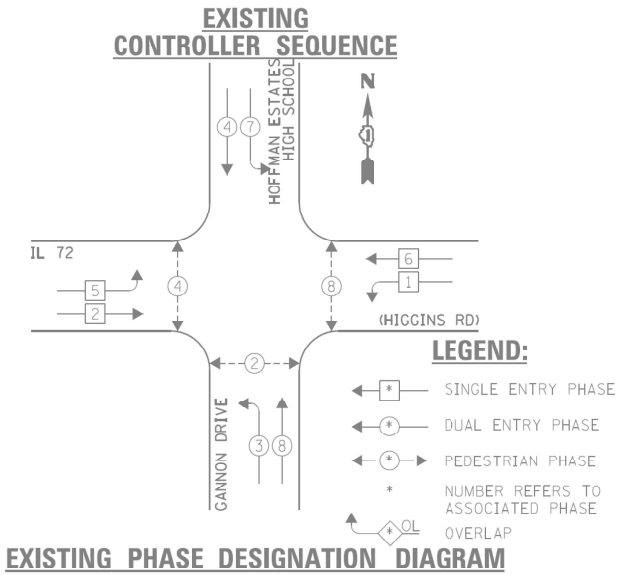
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #25	
IL 72 (HIGGINS RD.) AT GANNON DR. INTERSECTION PLAN SHEET 2	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	69
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

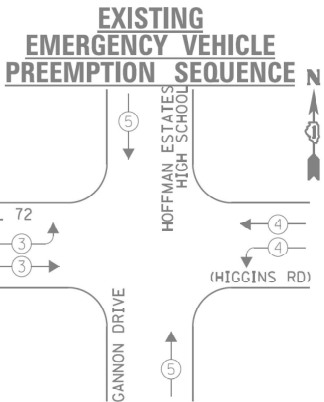
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	255
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6

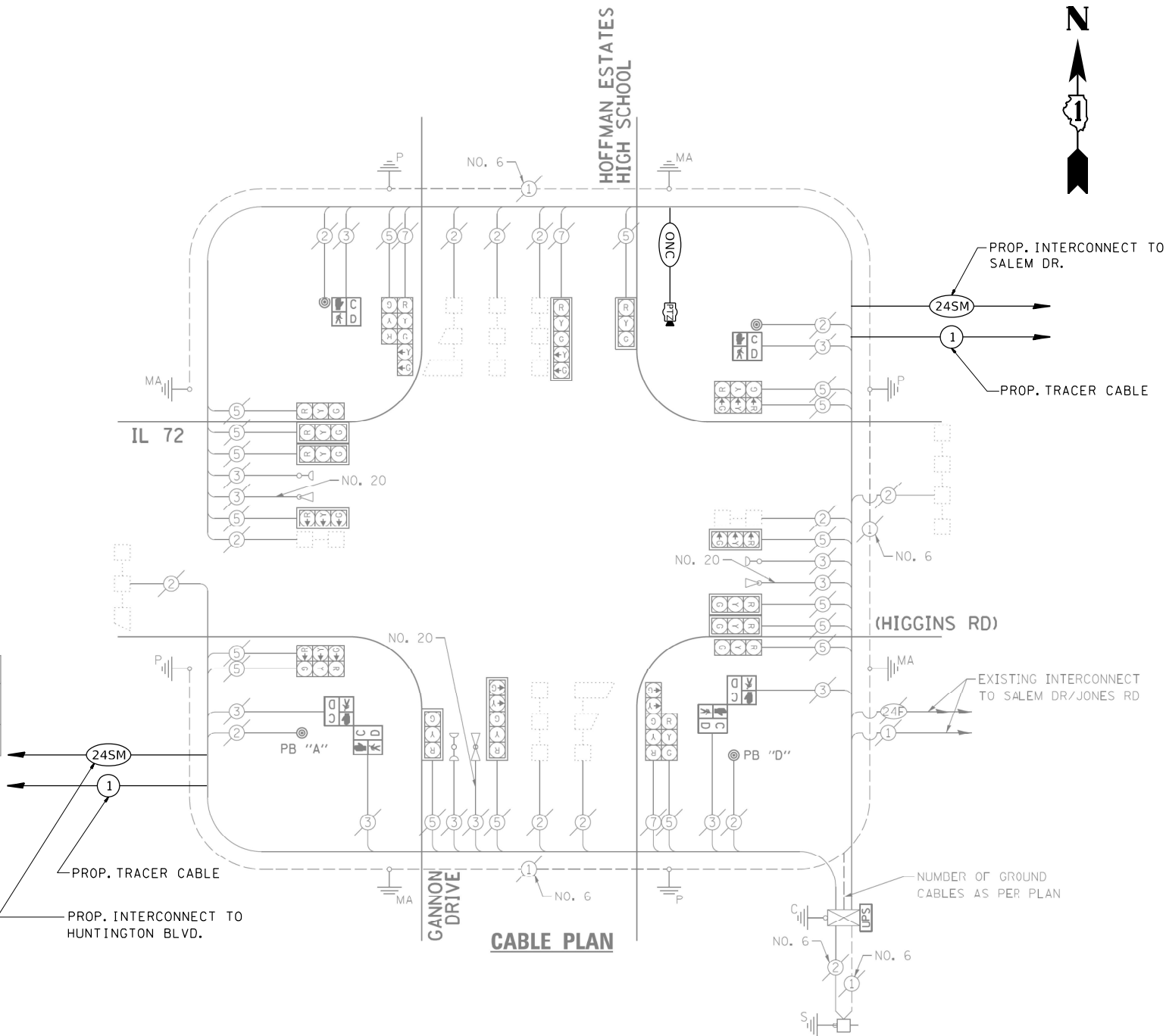


THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 2 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 4 EACH PEDESTRIAN PUSH-BUTTON



EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	→	→



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. L.E.D.	OPERATION	
SIGNAL (RED)	20	135	17	0.50
SIGNAL (YELLOW)	20	135	25	0.25
SIGNAL (GREEN)	20	135	15	0.25
ARROW	8	135	12	0.10
RED, SIGNAL	6	90	25	1.00
CONTROLLER	1	-	100	100.0
LUMINAIRE	-	-	250	0.50
L.E.D. ST. NAME SIGN	-	-	64	0.50
VIDEO SYSTEM	-	-	150	1.00
BATTERY BACKUP	1	-	25	1.00
ILLUMINATED SIGN	-	-	25	0.05
TOTAL =				654.6

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
(ADDRESS) 201 W. CENTER COURT
(ADDRESS) SCHALMIBURG, IL 60196-1096
ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMED - OAKBROOK TERRACE

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
PLOT SCALE = 40,0000 * / in.	DRAWN - GM	REVISED -
PLOT DATE = 8/15/2022	CHECKED - DD	REVISED -
	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

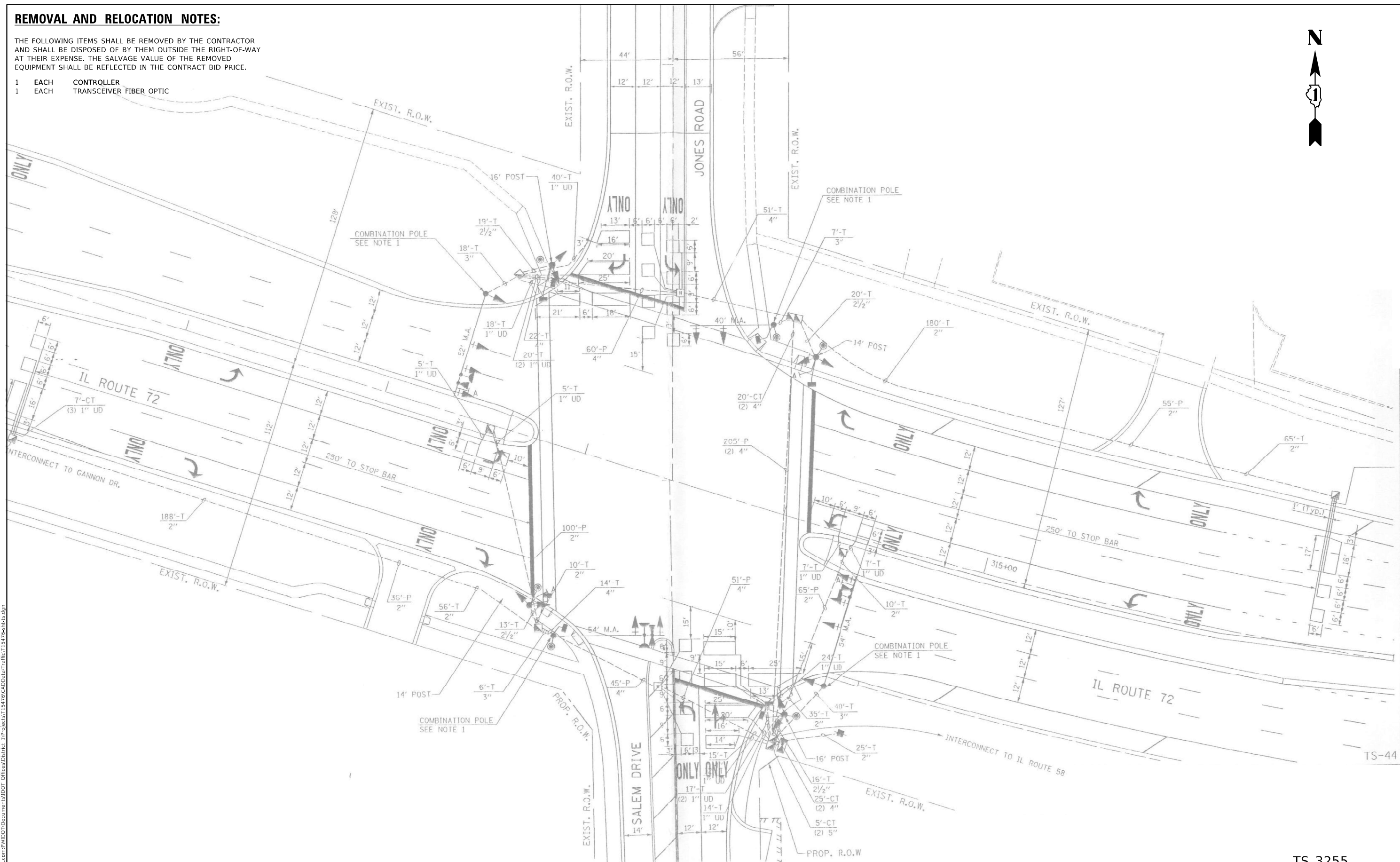
LOCATION #25
IL 72 (HIGGINS RD.) AT GANNON DR. CABLE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	70
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

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

- | | | | |
|---|------|-------------|-------------|
| 1 | EACH | CONTROLLER | |
| 1 | EACH | TRANSCEIVER | FIBER OPTIC |



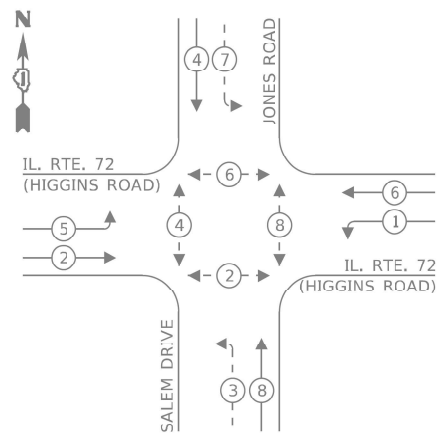
"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3255
IDOT CENTRACS
FORMER ECON 81

USER NAME = Kamil,Kobyłka	DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #26 IL 72 (HIGGINS RD.) AT SALEM DR./JONES RD. INTERSECTION PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - GM	REVISED -						VAR.	2022 TRAFFIC 01	COOK	241	71	
PLOT SCALE = 40,0000' ± / in.	CHECKED - DD	REVISED -		SCALE:				CONTRACT NO. 62R8					
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -		SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: \\nllot-nw-hentley.com\pub\DOT Documents\DOT_Offices\District_1\Projects\T15A76CADAAR\Traffic\T15A76CADA.DOC

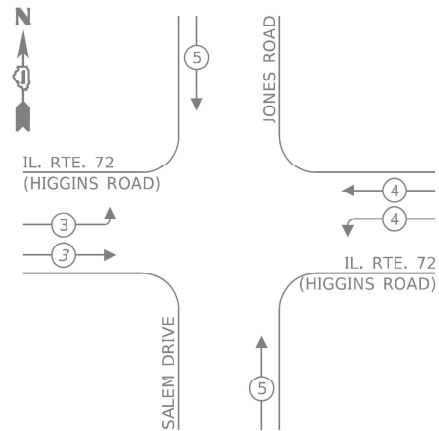
PROPOSED CONTROLLER SEQUENCE



LEGEND:

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

PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				531

ENERGY COSTS TO:

VILLAGE OF SCHAUMBURG
101 SCHAUMBURG COURT
SCHAUMBURG, IL 60193

ENERGY SUPPLY: CONTACT: DAVE DCHSCHT
PHONE: 630-437-2129
COMPANY: ComEd
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6

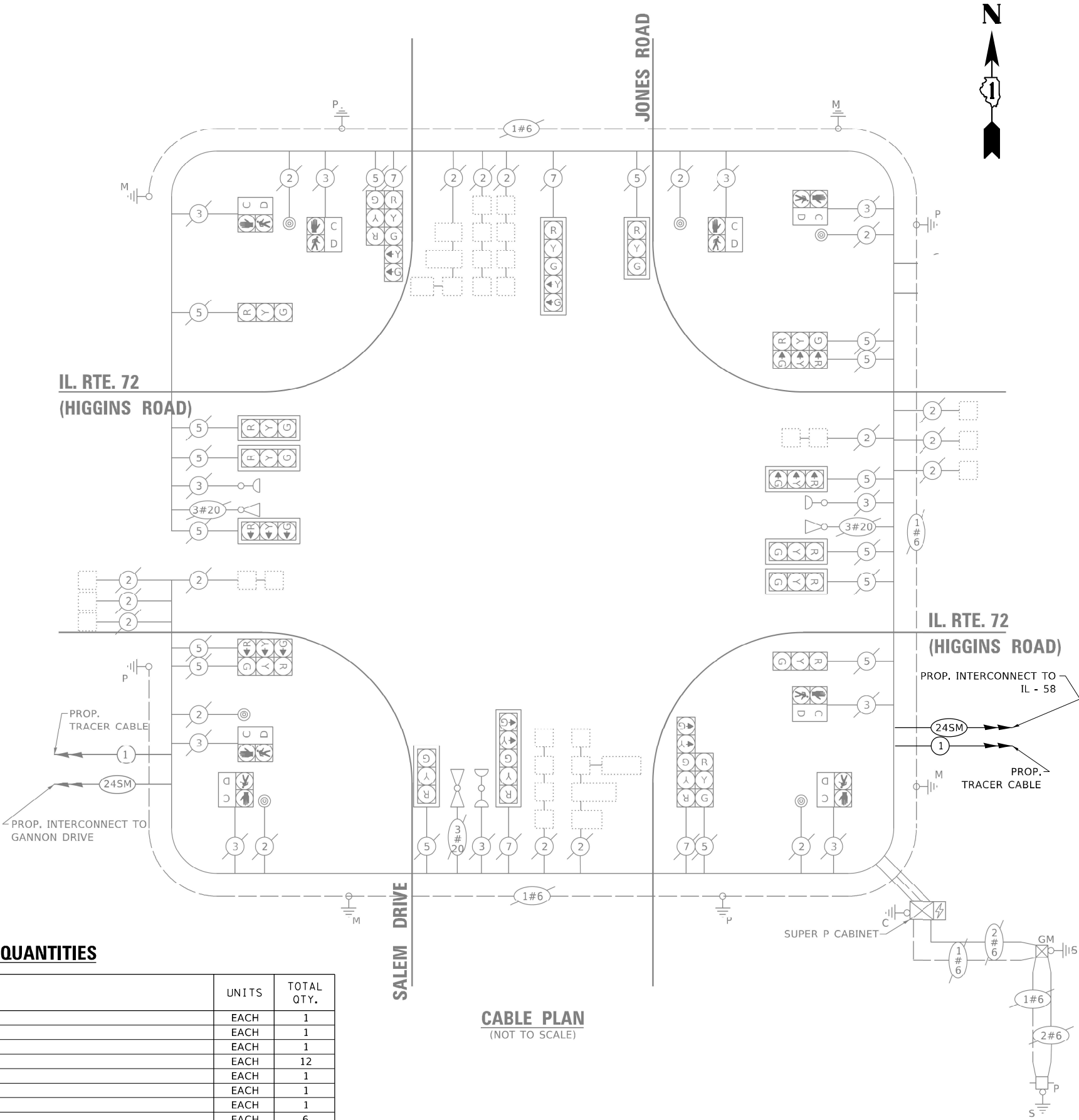
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #26

IL 72 (HIGGINS RD.) AT SALEM DR./JONES RD. CABLE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	72
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				



CABLE PLAN
(NOT TO SCALE)

TS 3255
IDOT CENTRACS
FORMER ECON 81

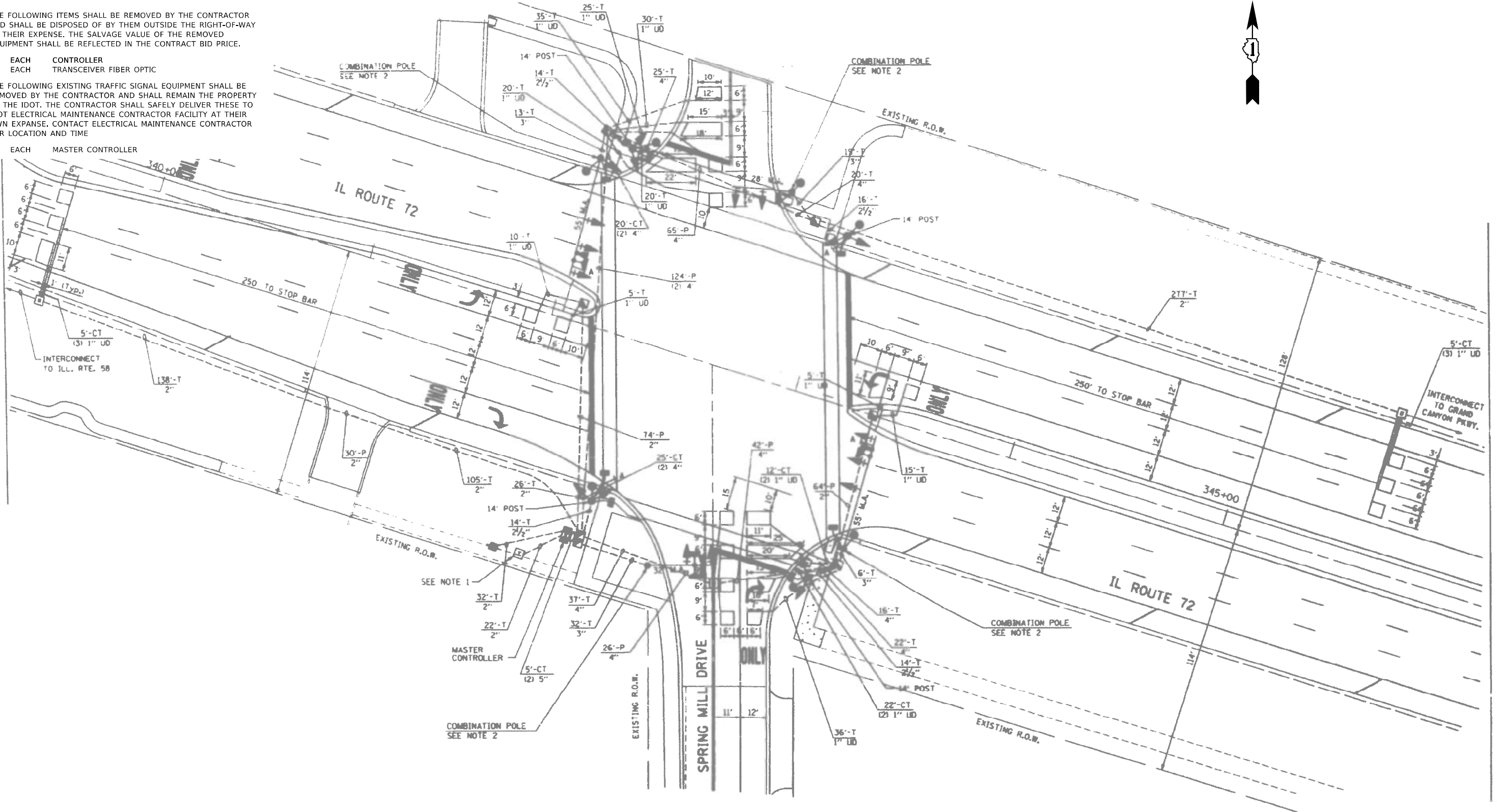
REMOVAL AND RELOCATION NOTES:

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 BID PRICE.

- 1 EACH CONTROLLER
- 1 EACH TRANSCEIVER FIBER OPTIC

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

- 1 EACH MASTER CONTROLLER



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 21320
IDOT CENTRACS
FORMER ECON 81

MODEL: Default
FILE: ts21320_traffic_signal_plan.dgn
PROJECT: TS21320 (HIGGINS RD.) AT SPRING MILL DR. INTERSECTION PLAN
DRAWN: GM
CHECKED: DD
DATE: 06/30/2022

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
PLOT SCALE = 40,0000 * / in.	DRAWN - GM	REVISED -
PLOT DATE = 8/15/2022	CHECKED - DD	REVISED -
	DATE - 06/30/2022	REVISED -

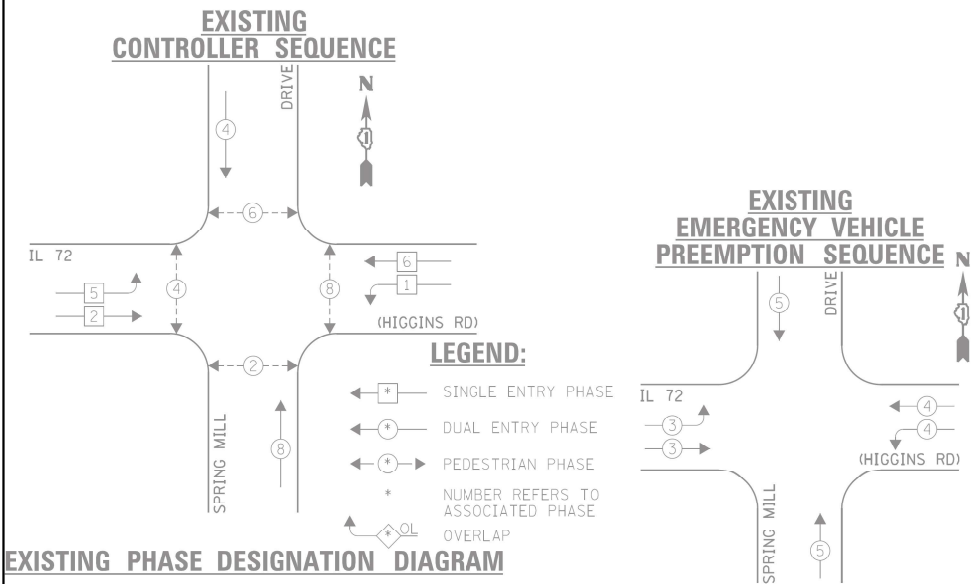
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #27			
IL 72 (HIGGINS RD.) AT SPRING MILL DR. INTERSECTION PLAN			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

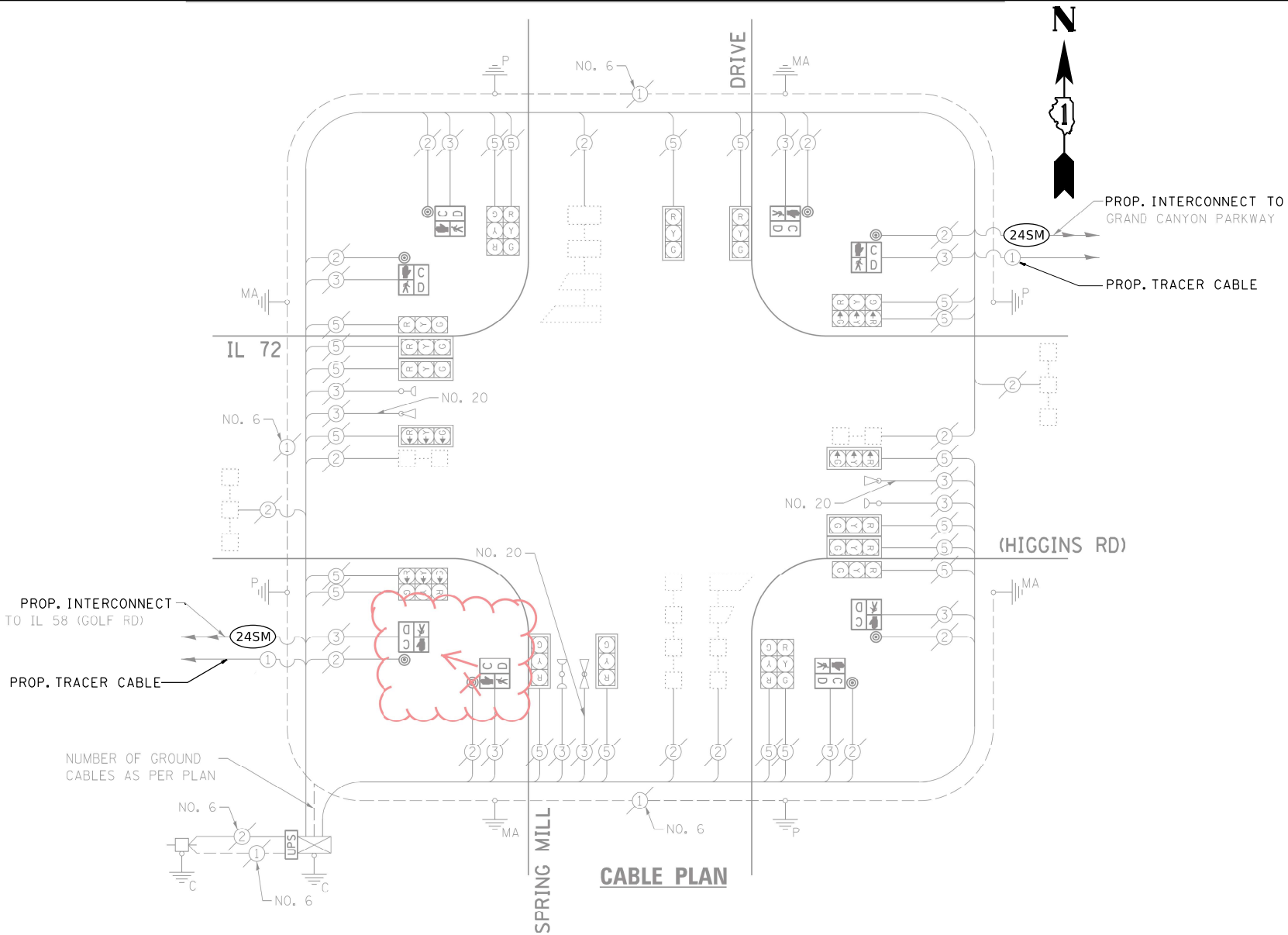
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	73
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6



EXISTING EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		OPERATION	
		INCAND.	L.E.D.		
SIGNAL (RED)	20	135	17	0.50	170.0
SIGNAL (YELLOW)	20	135	25	0.25	125.0
SIGNAL (GREEN)	20	135	15	0.25	75.0
ARROW	-	135	12	0.10	-
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL =					695.0
ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAUMBURG, IL 60196-1096 ENERGY SUPPLY - CONTACT: DAVE SCHACHT PHONE: 630-437-2129 COMPANY: COMED - OAKBROOK TERBACF					

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
PLOT SCALE = 40,0000' / in.	DRAWN - GM	REVISED -
PLOT DATE = 8/15/2022	CHECKED - DD	REVISED -
	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #27
IL 72 (HIGGINS RD.) AT SPRING MILL DR. INTERSECTION PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

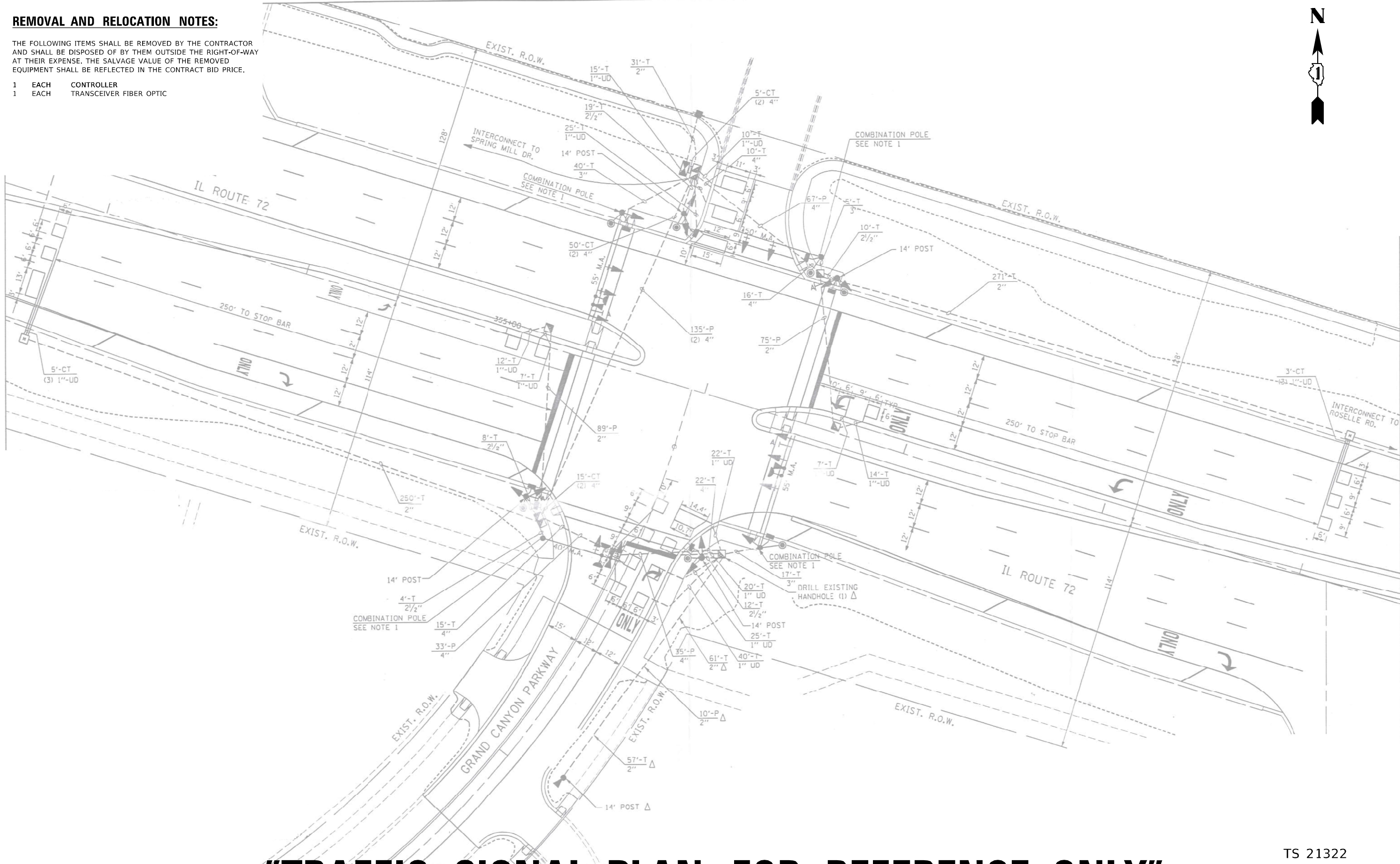
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	74
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

TS 21320
IDOT CENTRACS
FORMER ECON 81

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 BID PRICE.

- 1 EACH CONTROLLER
- 1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 21322
IDOT CENTRACS
FORMER ECON 81

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #28
IL 72 (HIGGINS RD.) AT GRAND CANYON PKWY. INTERSECTION PLAN

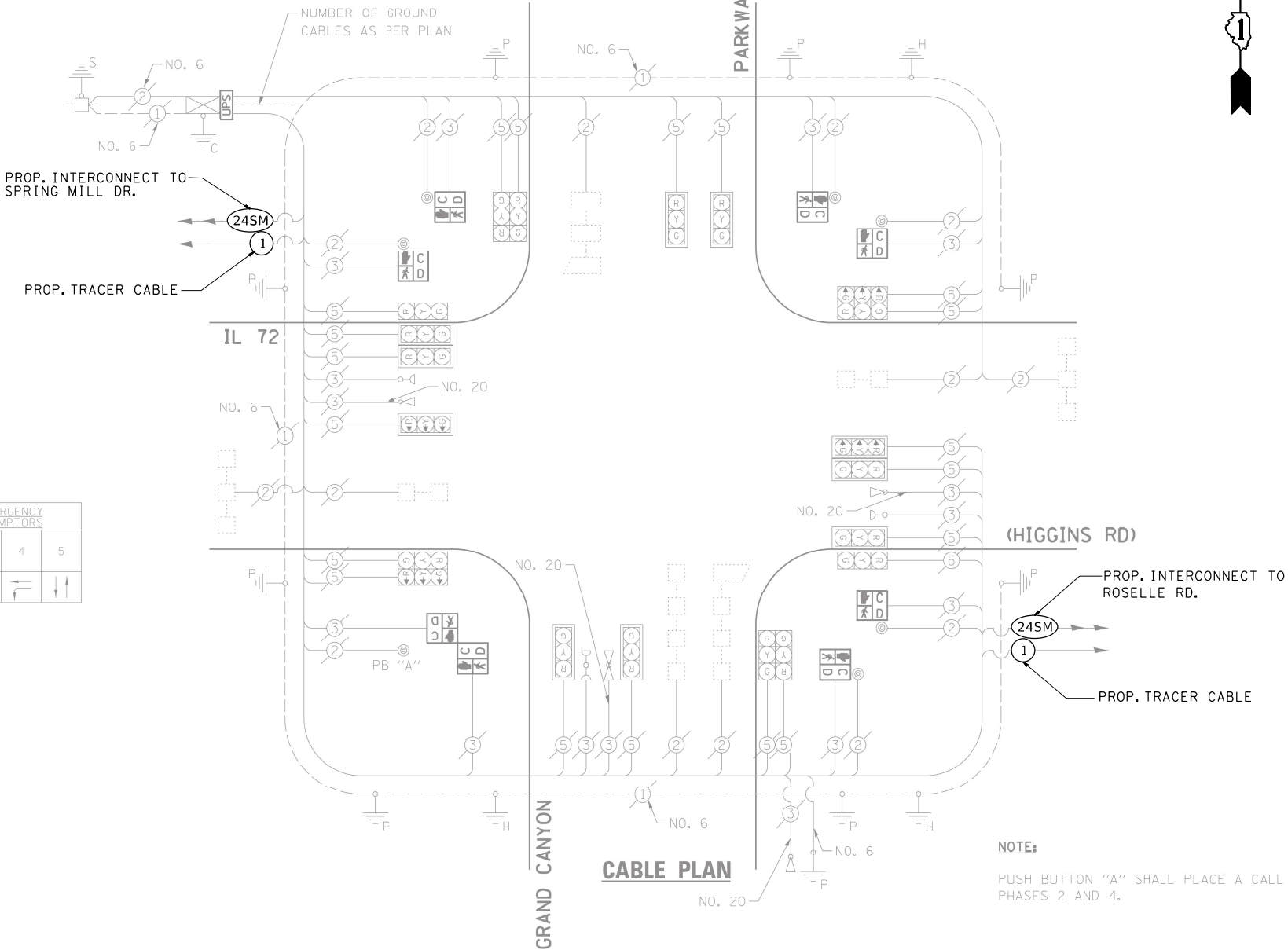
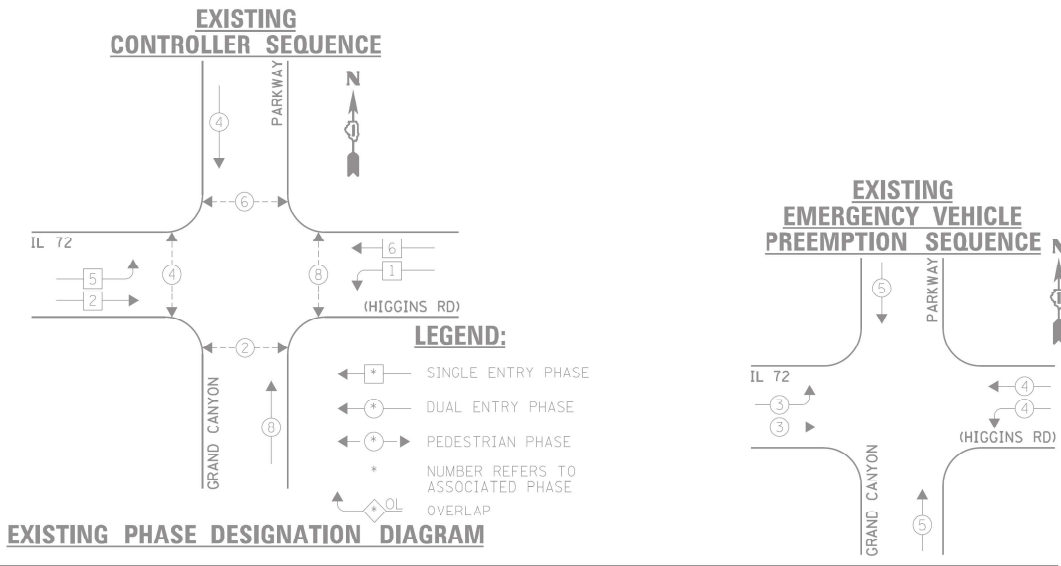
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	75
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

MODEL Default
FILE Name: ts21322-aw-bentley.com-PIVUDOT-Document\DOT Office\Dir\tdt 1\Projects\T15476\CADDData\Traffic\T15476-s-nts.dgn

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. L.E.D.	OPERATION	
SIGNAL (RED)	20	135 17	0.50	170.0
SIGNAL (YELLOW)	20	135 25	0.25	125.0
SIGNAL (GREEN)	20	135 15	0.25	75.0
ARROW	135	12	0.10	-
PED. SIGNAL	8	90 25	1.00	200.0
CONTROLLER	1	- 100	1.00	100.0
LUMINAIRE	-	- 250	0.50	-
L.E.D. ST. NAME SIGN	-	- 64	0.50	-
VIDEO SYSTEM	-	- 150	1.00	-
BATTERY BACKUP	1	- 25	1.00	25.0
ILLUMINATED SIGN	-	- 25	0.05	-
TOTAL =				695.0
ENERGY COSTS BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAUMBURG, IL 60196-1096				
ENERGY SUPPLY - CONTACT: DAVE SCHACHT PHONE: 630-437-2129 COMPANY: COMED - OAKBROOK TERRACE				

FILE NAME =	USER NAME = gwhitten
D16@W30-052.dgn	
Default	PLOT SCALE = 1:20
	PLOT DATE = 5/9/2013

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
DRAWN - GM	CHECKED - DD	REVISED -
PLOT SCALE = 40,0000 * / in.	DATE - 06/30/2022	REVISED -
PLOT DATE = 8/15/2022		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #28
IL 72 (HIGGINS RD.) AT GRAND CANYON PKWY. CABLE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	76
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

TS 21322
IDOT CENTRACS
FORMER ECON 81

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 BID PRICE.

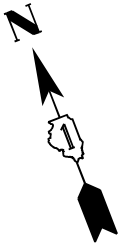
- 1 EACH CONTROLLER
- 1 EACH TRANSCEIVER FIBER OPTIC

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

- 1 EACH PTZ CAMERA
- APPROX. EX. R.O.W.

MATCH LINE STA. 11+50

IL RTE 72
(HIGGINS RD)



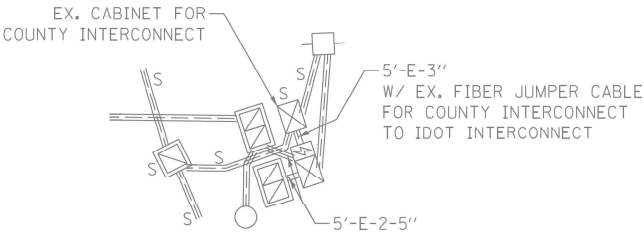
MATCH LINE STA. 290+75

ROSELLE RD

EX. INTERCONNECT TO
GOLF CENTER/HOFFMAN PLAZA
SHOPPING CENTER (COUNTY)

PROPOSED 24F SM LATERAL
SEE PROPOSED D1 HQ ALTERNATE FIDER ROUTE PLAN

APPROX. EX. R.O.W.



EX. INTERCONNECT TO
GRAND CANYON BLVD

EX. 10' POST

19'-E-2 1/2"

51'-E-3"

10'-E-3"

EX. 48' COMBINATION M.A.

EX. 34' M.A.

387'-E-2"

EX. 55' COMBINATION M.A.

PTZ CAMERA TO BE REPLACED ON EXISTING LUMINARE ARM (SEE NOTE)

184'-E-2-4"

351'-E-2"

APPROX. EX. R.O.W.

17'-E-2 1/2"

7'-E-2 1/2"

EX. 16' POST

27'-E-3"

EX. 48' COMBINATION M.A.

ROSELLE RD

EX. 32' M.A.

126'-E-2-5"

EX. 55' COMBINATION M.A.

5'-E-3 1/2"

56'-E-2"

EX. 10' POST

APPROX. EX. R.O.W.

IL RTE 72
(HIGGINS RD)

MATCH LINE STA. 17+25

MATCH LINE STA. 294+25

NOTES:

REPLACE EXISTING PTZ CAMERA MOUNTED ON THE POLE OF EXISTING COMBINATION MAST ARM. REMOVE EXISTING CABLE AND REPALCE WITH NEW 'ONC' WITH POWER OVER ETHERNET CAPABILITY AND RECONFIGURE WITH THE NETWORK SWITCH.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3250
IDOT CENTRACS
FORMER ECON 81

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #29
IL 72 (HIGGINS RD.) AT ROSELLE RD. INTERSECTION PLAN SHEET 1

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	77
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3250
IDOT CENTRACS
FORMER ECON 81

MODEL: Default
FILE: ts3250_traffic_signal_plan.dgn
PROJECT: Higgins Rd. at Roselle Rd. Intersection
DRAWN: Kamil Kobylika
CHECKED: DD
DATE: 06/30/2022
PLOT DATE: 8/15/2022

USER NAME = Kamil Kobylika	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

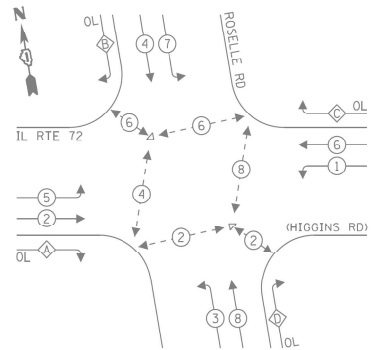
LOCATION #29			
IL 72 (HIGGINS RD.) AT ROSELLE RD. INTERSECTION PLAN SHEET 3			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	79
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	300
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	300
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	60
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
SPLICE FIBER IN CABINET	EACH	12
LAYER III (NETWORK) SWITCH	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

EXISTING CONTROLLER SEQUENCE



LEGEND:

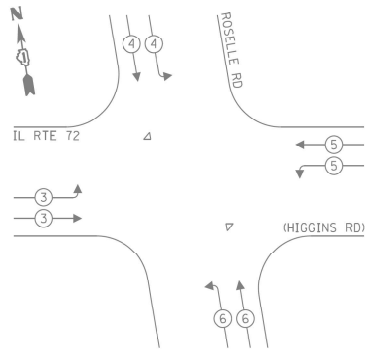
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP

PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2	3
B	4	5
C	6	7
D	8	1

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	24	11	50	132.0
(YELLOW)	24	20	5	24.0
(GREEN)	24	12	45	129.6
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	12	20	100	240.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	120	50	240.0
LUMINAIRE	-	-	-	-
TOTAL =				1056.6

ENERGY COSTS TO:

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

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

USER NAME = Kamil.Kobylka

DESIGNED - KK

DRAWN - GM

REVISOR - DD

DATE - 06/30/2022

REVISOR - KK - 08-12-2022

REVISOR -

REVISOR -

REVISOR -

REVISOR -

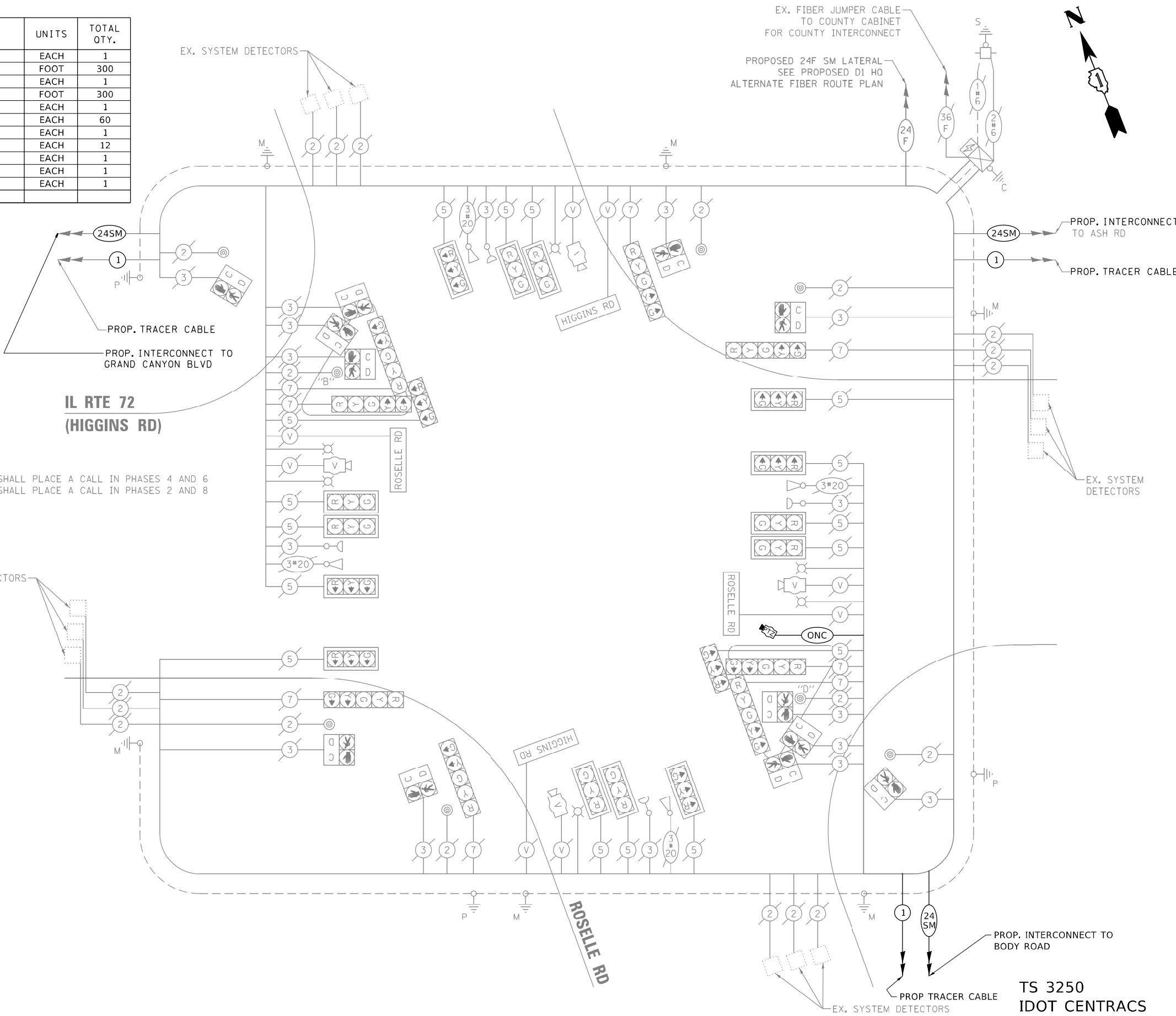
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #29
IL 72 (HIGGINS RD.) AT ROSELLE RD. CABLE PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	80
CONTRACT NO. 62R81				

TS 3250
IDOT CENTRACS
FORMER ECON 81



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

1	EACH	CONTROLLER
1	EACH	TRANSCEIVER FIBER OPTIC



TS 3251
IDOT CENTRACS
FORMER ECON 81

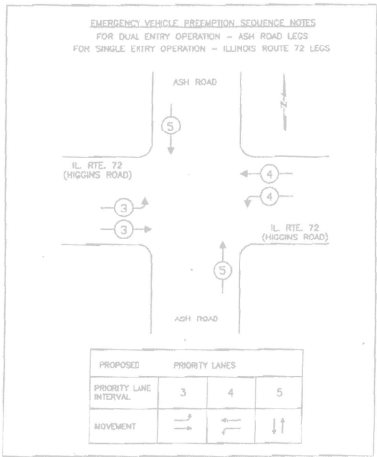
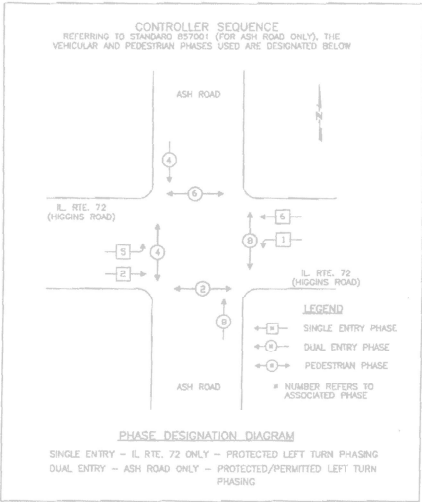
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

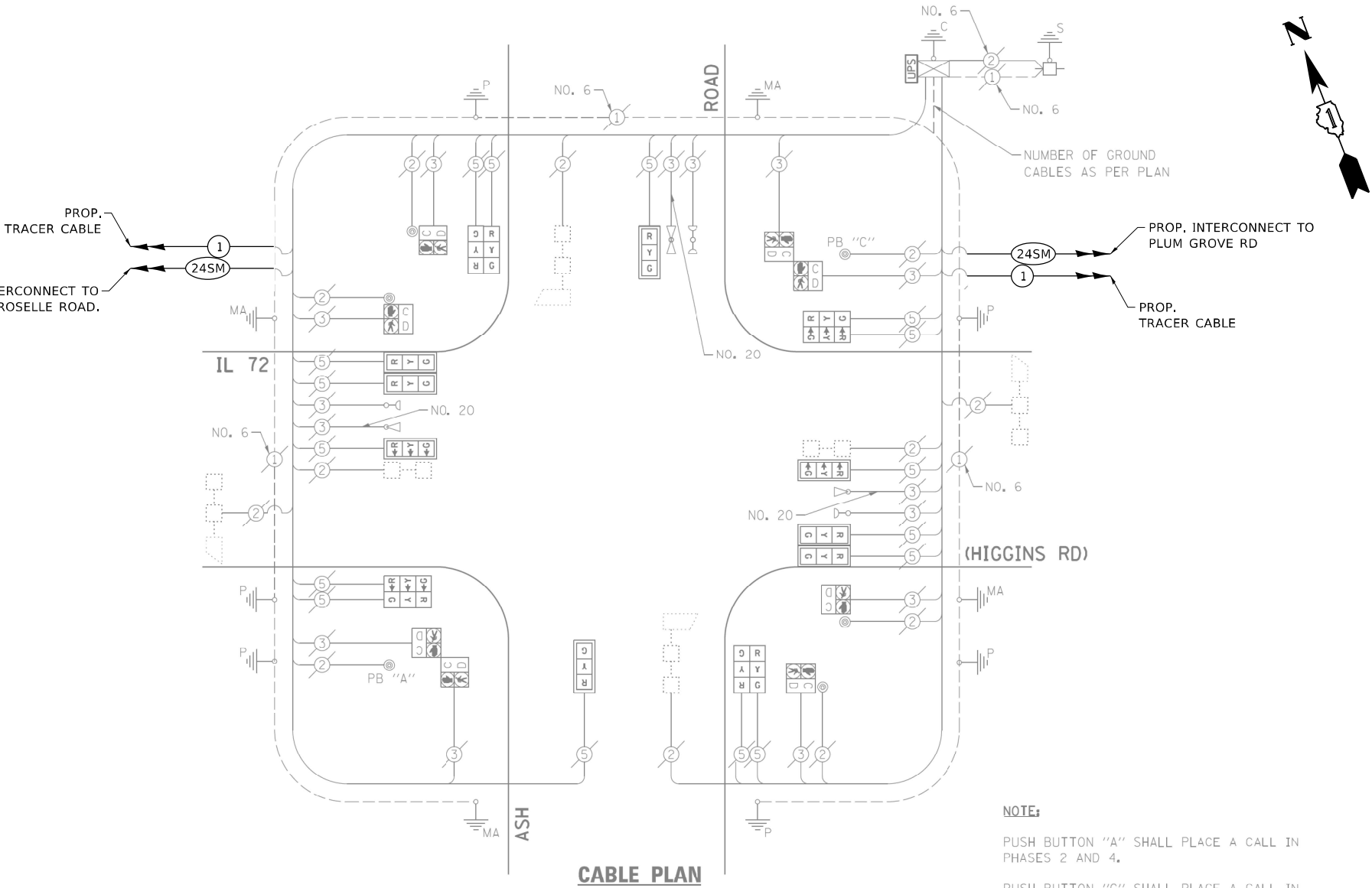
ILLINOIS	FED. AID PROJECT
----------	------------------

SCHEDULE OF QUANTITIES

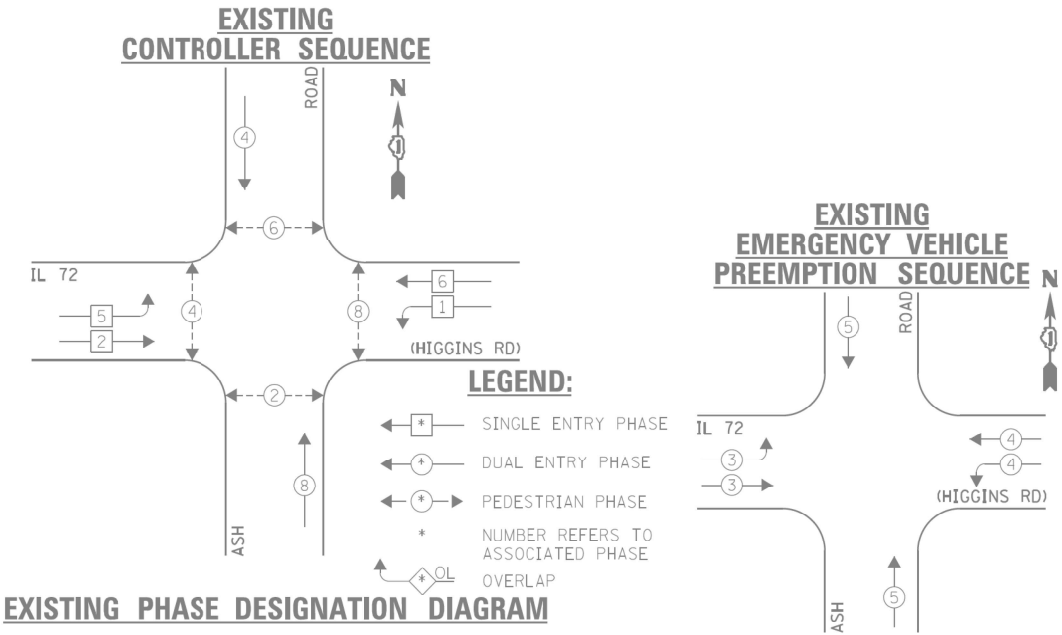
ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	
SIGNAL (RED)	16	135	17	0.50	136.0
SIGNAL (YELLOW)	16	135	25	0.25	100.0
SIGNAL (GREEN)	16	135	15	0.25	60.0
ARROW	-	135	12	0.10	-
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL =					621.0
ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION (ADDRESS) 201 W. CENTER COURT (ADDRESS) SCHAUMBURG, IL 60196-1096 ENERGY SUPPLY - CONTACT: DAVE SCHACHT PHONE: 630-437-2129 COMPANY: COMED - OAKBROOK TERRACE					



NOTE:
PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.



EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	→ ← ↑	

TS 3251
IDOT CENTRACS
FORMER ECON 81

MODEL: Default
FILE: ts3251-aw-beadley.com-PIVUDOT-DocumentstIDOT-OfficestDistrict-1\Projects\TS3251\6\CADDData\Traffic\TS3251-6-nt-ts.dgn

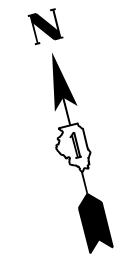
USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
PLOT SCALE = 40,0000 * / in.	DRAWN - GM	REVISED -
PLOT DATE = 8/15/2022	CHECKED - DD	REVISED -
	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #30 IL 72 (HIGGINS RD.) AT ASH RD. CABLE PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	82
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

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



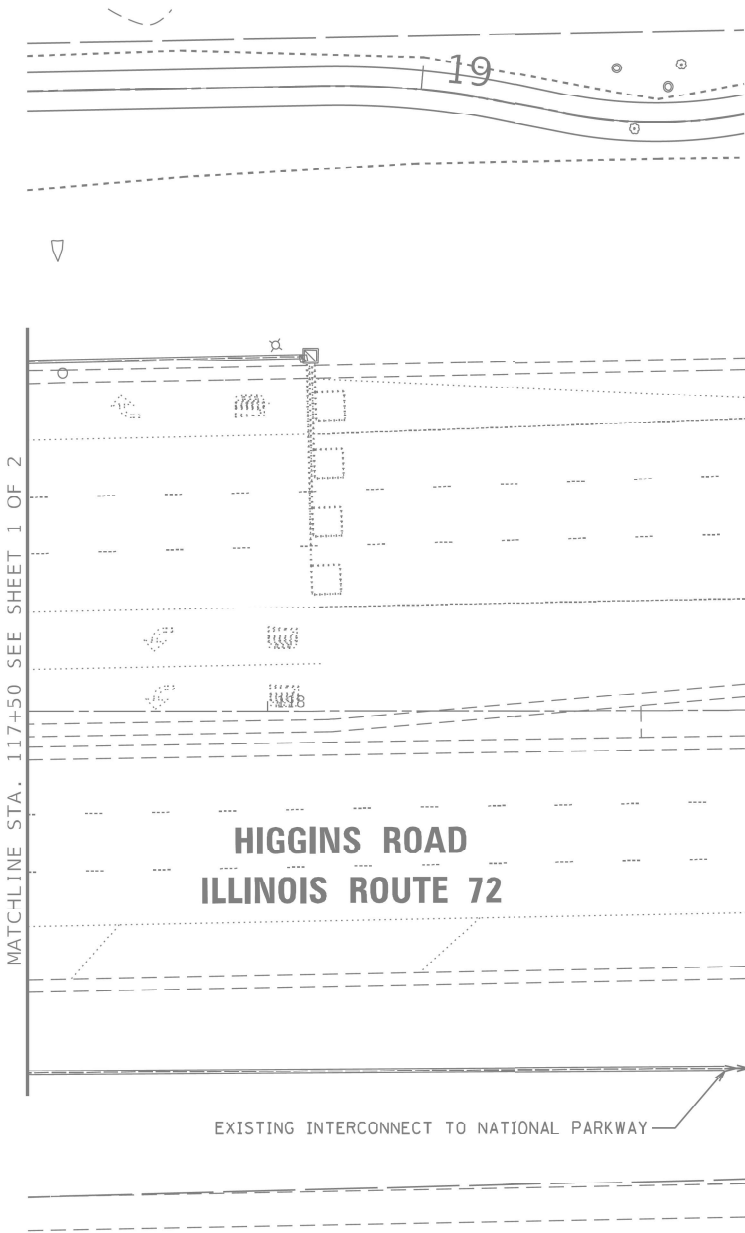
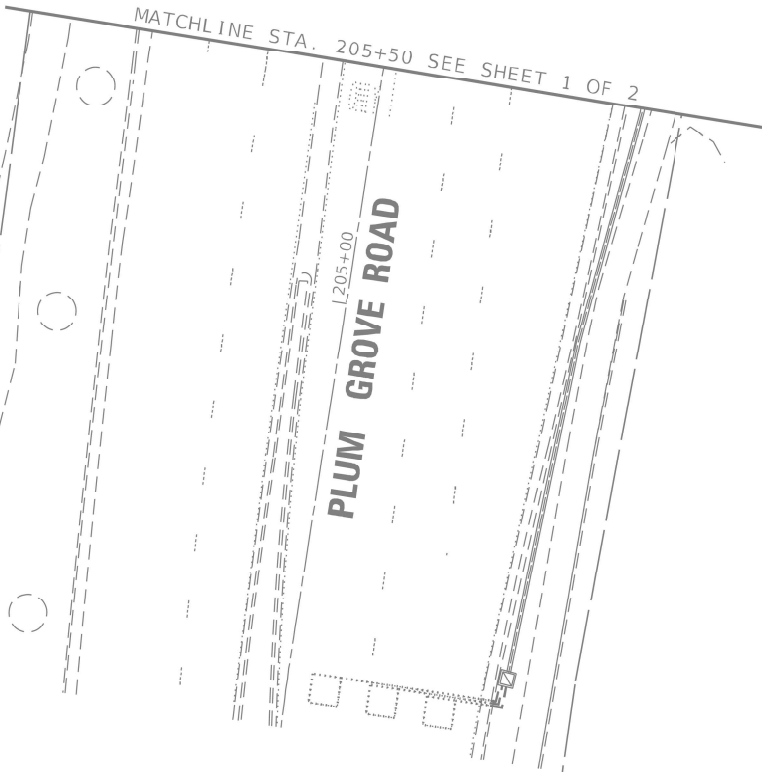
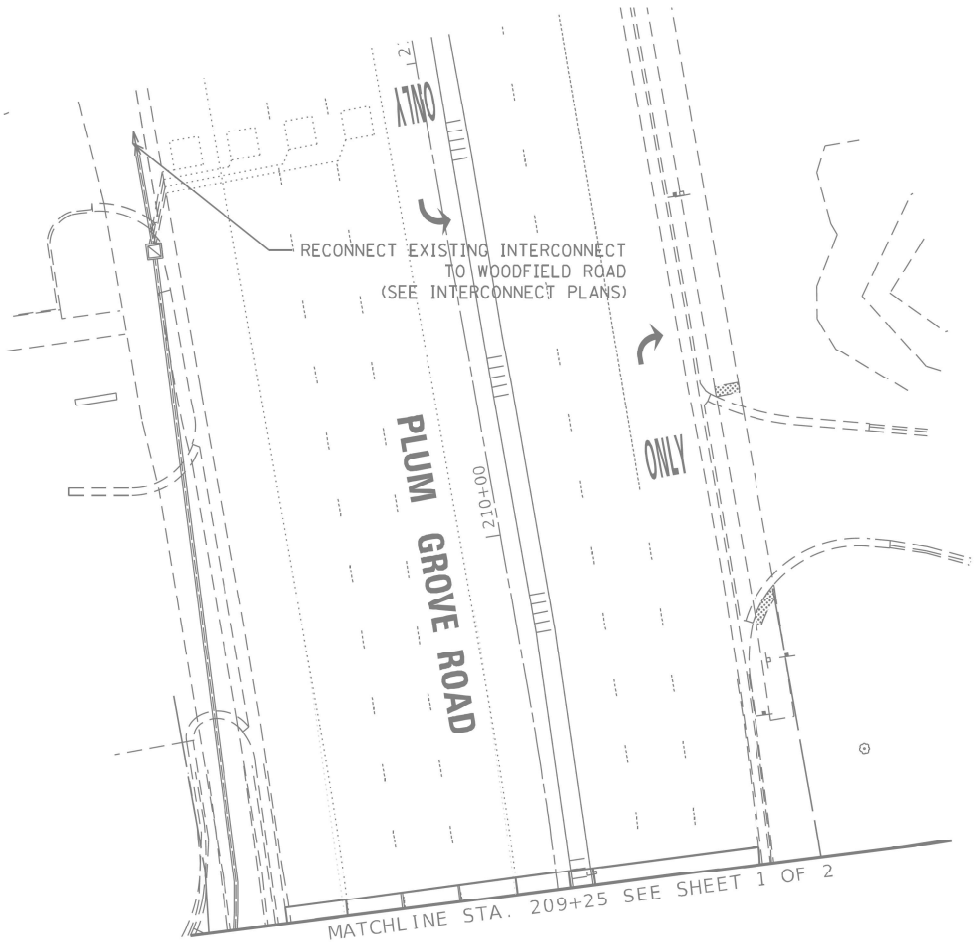
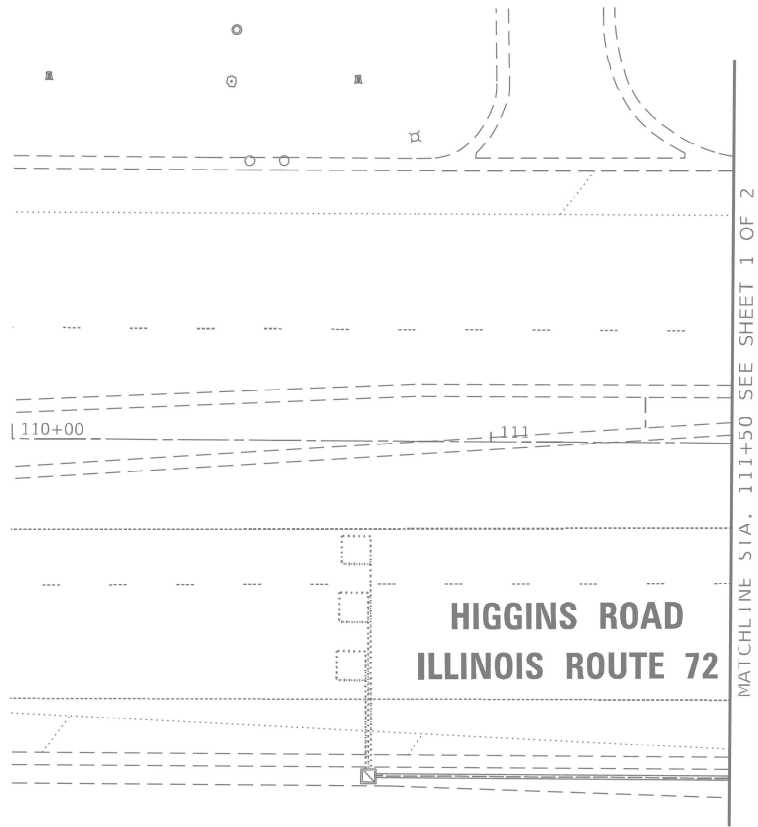
THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINARE ARM OF THE EXISTING COMBINATION MAST ARM. CONTRACTOR SHALL CENTER THE PTZ CAMERA TOWARDS THE CENTER OF THE INTERSECTION TO OPTIMIZE THE VIEW OF ALL APPROACHES. SEE DETAIL CAMERA MOUNTING DETAIL.

TS 3245
IDOT CENTRACS
FORMER ECON 84

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	83
		CONTRACT NO. 62R81		
		ILLINOIS	FED. AID PROJECT	

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"



MODEL: Default
FILE: ts3245_traffic_signal_plan.dgn
PROJECT: TS3245 (HIGGINS RD.) AT PLUM GROVE RD. INTERSECTION
DRAWN: Kamil Kobylika
CHECKED: DD
DATE: 06/30/2022
PLOT DATE: 8/15/2022

USER NAME	= Kamil.Kobylika	DESIGNED	- KK	REVISED	- KK - 08-12-2022
DRAWN	- GM	CHECKED	- DD	REVISED	-
PLOT SCALE	= 40,0000 * / in.	DATE	- 06/30/2022	REVISED	-
PLOT DATE	= 8/15/2022				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #31			
IL 72 (HIGGINS RD.) AT PLUM GROVE RD. INTERSECTION PLAN SHEET 2			
SCALE:	SHEET	OF	SHEETS
STA.	TO	STA.	

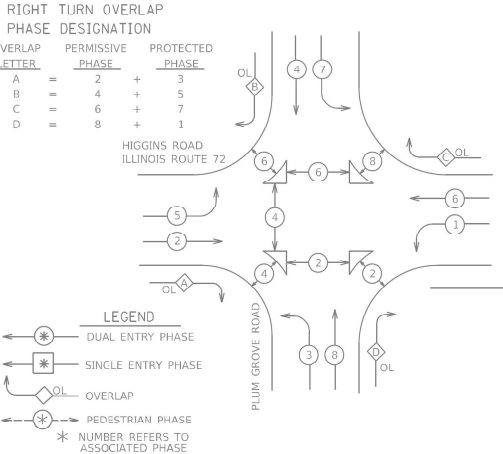
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	84
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

TS 3245
IDOT CENTRACS
FORMER ECON 84

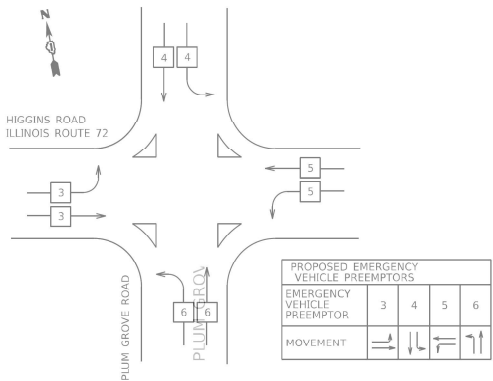
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	160
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	18

PROPOSED CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE

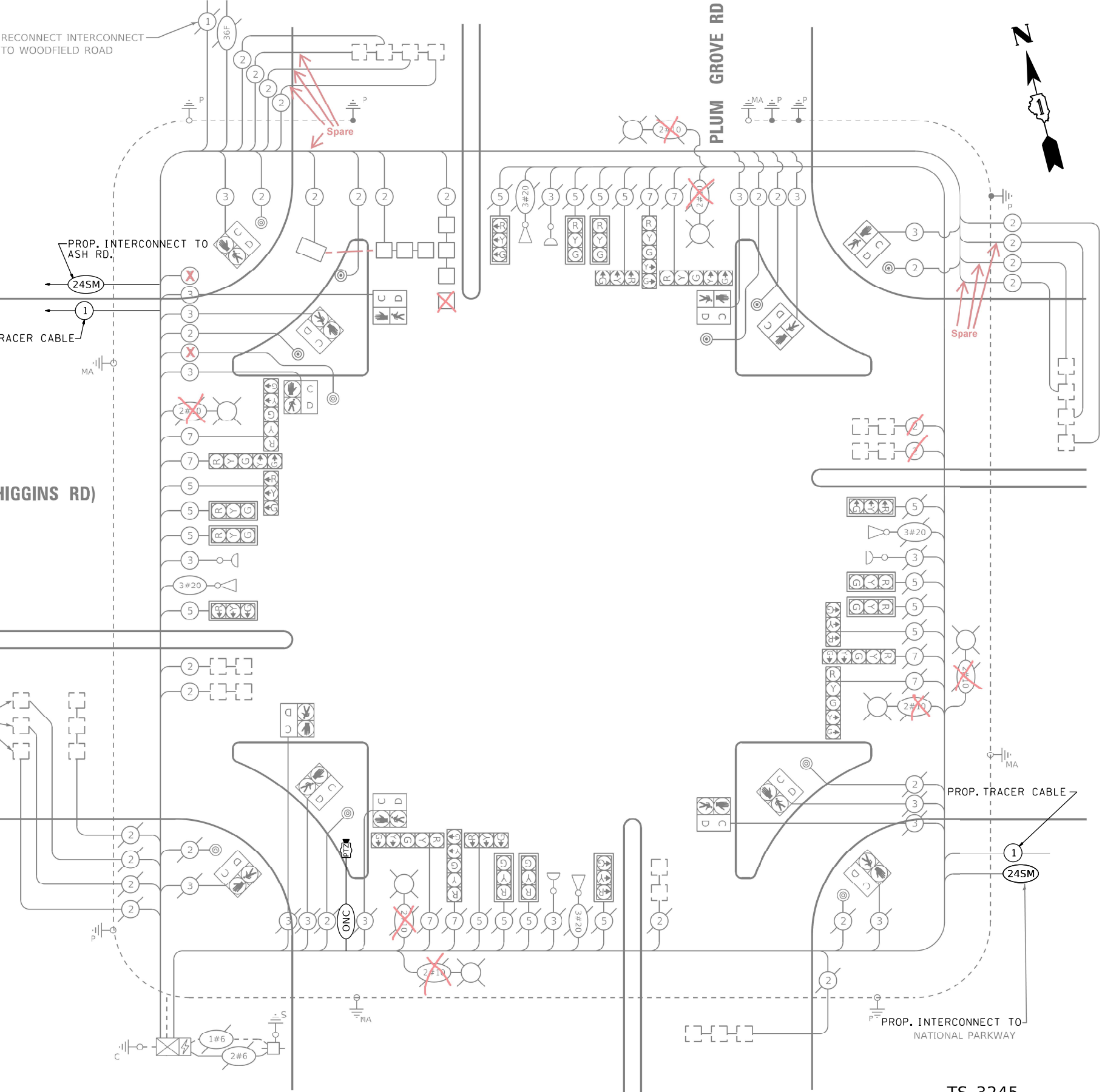


TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL RED	24		11	50	132
SIGNAL YELLOW	24		20	5	24
SIGNAL GREEN	24		12	45	129.6
PERMISSIVE ARROW	16		10	10	16
PED. SIGNAL	14		20	100	280
CONTROLLER	1		100	100	100
UPS	1		25	100	25
LUMINAIRE	7		175	50	612.5
TOTAL =					1319.1

ENERGY COSTS TO:
VILLAGE OF SCHAMBURG
101 SCHAMBURG COURT
SCHAMBURG, ILLINOIS 60143

ENERGY SUPPLY CONTACT:
PHONE: _____
COMPANY: COMED
ACCOUNT NUMBER: _____



TS 3245
IDOT CENTRACS
FORMER ECON 84

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #31
IL 72 (HIGGINS RD.) AT PLUM GROVE RD. CABLE PLAN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	85
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

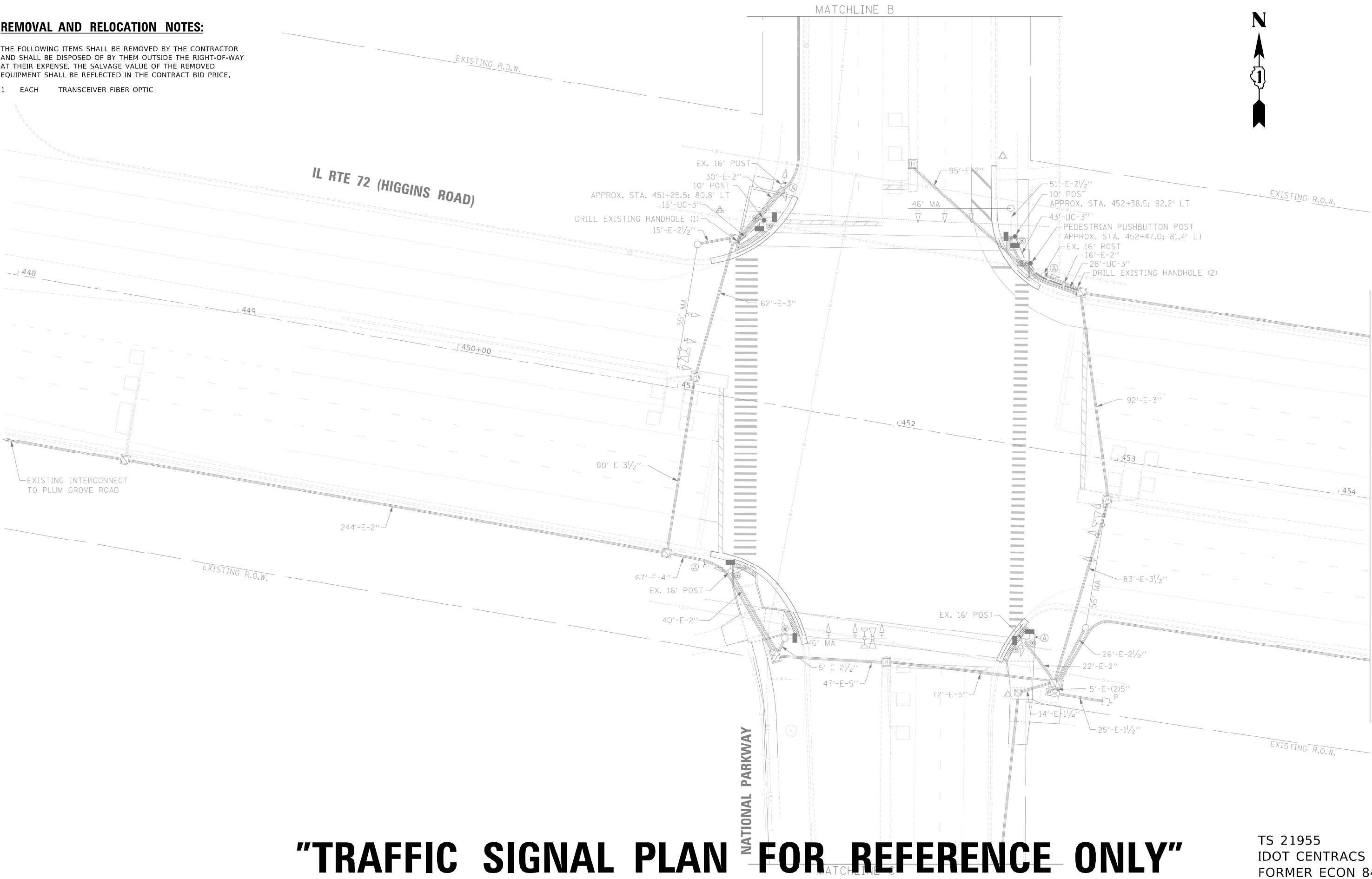
SCALE: SHEET OF SHEETS STA. TO STA.

MODEL: Default
FILE: \\usilnet-cw.bentley.com\\P\\UDOT\\Documents\\DOT Offices\\Director_1\\Projects\\T15476\\CADData\\Traffic\\T15476-s-nts.dgn

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 BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 21955
IDOT CENTRACS
FORMER ECON 84

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

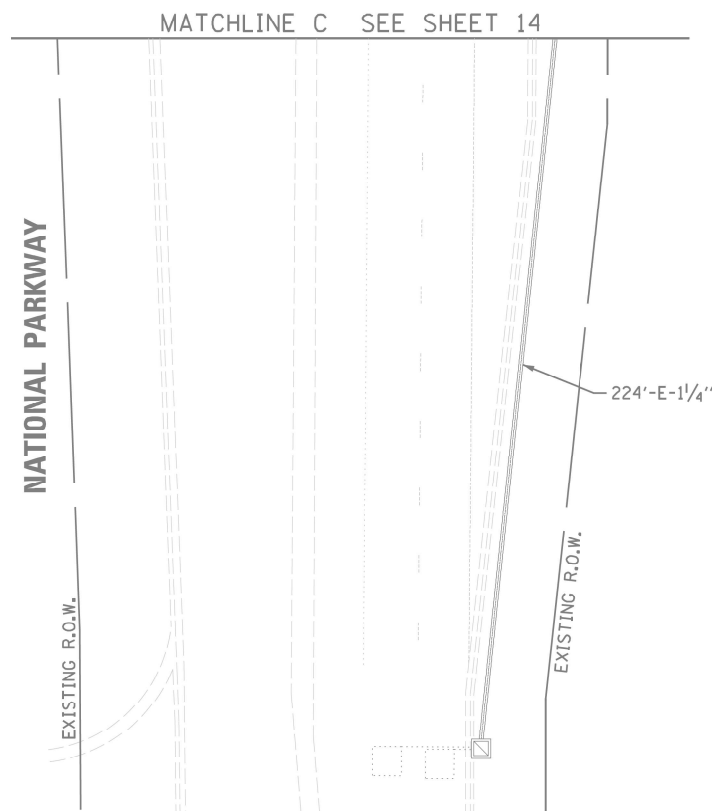
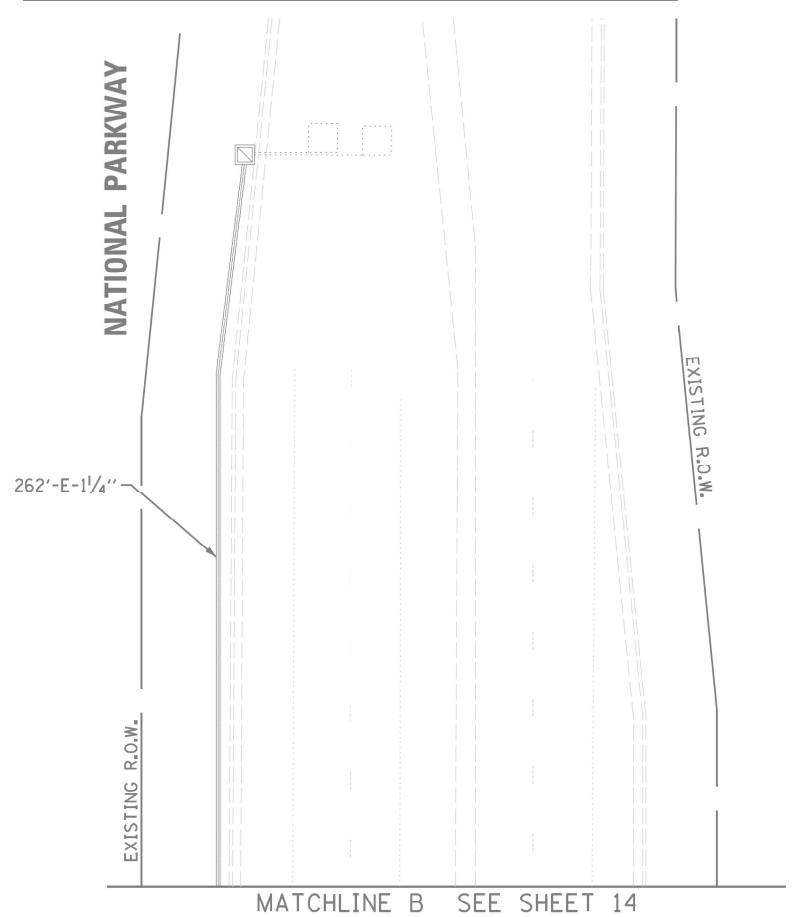
LOCATION #32			
IL 72 (HIGGINS RD.) AT NATIONAL PKWY. INTERSECTION PLAN SHEET 1			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	86
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE: ts21955_traffic-signal-plan-for-reference-only.dgn

MATCHLINE A SEE SHEET 15

MODEL: Default
FILE: h:\m11576\11576-01\11576-01.dgn
PROJECT: 11576-01
DRAWN: Kamil.Kobylka
CHECKED: DD
DATE: 06/30/2022
PLOT DATE: 8/15/2022

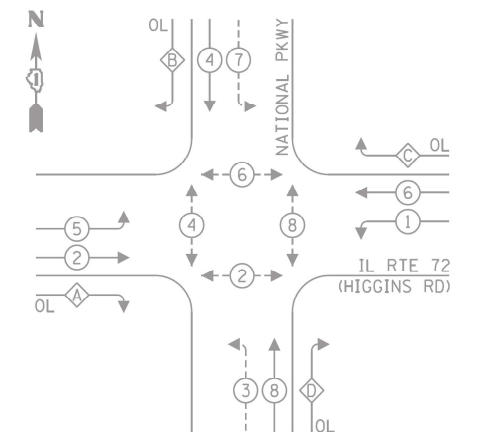


"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

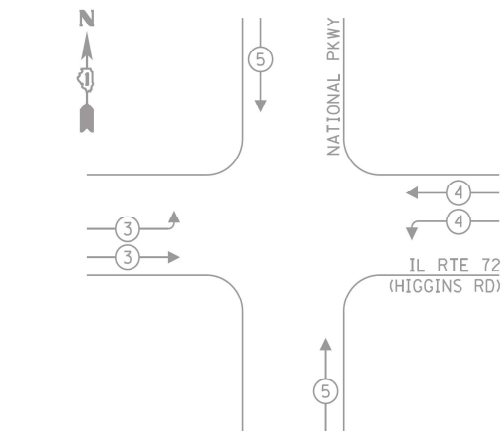
TS 21955
IDOT CENTRACS
FORMER ECON 84

	USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #32				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GM	REVISED -		IL 72 (HIGGINS RD.) AT NATIONAL PKWY. INTERSECTION PLAN SHEET 2				VAR.	2022 TRAFFIC 01	COOK	241	87
	PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -						CONTRACT NO. 62R81				
	PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE

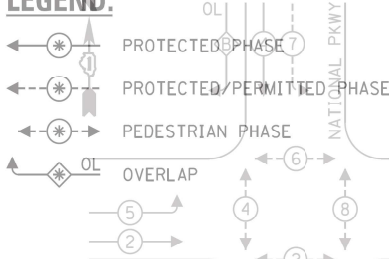


EMERGENCY VEHICLE
PREEMPTION SEQUENCE



PROPOSED CONTROLLER

LEGEND:



RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	24	10	10	24.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				547.0

ENERGY COSTS TO:

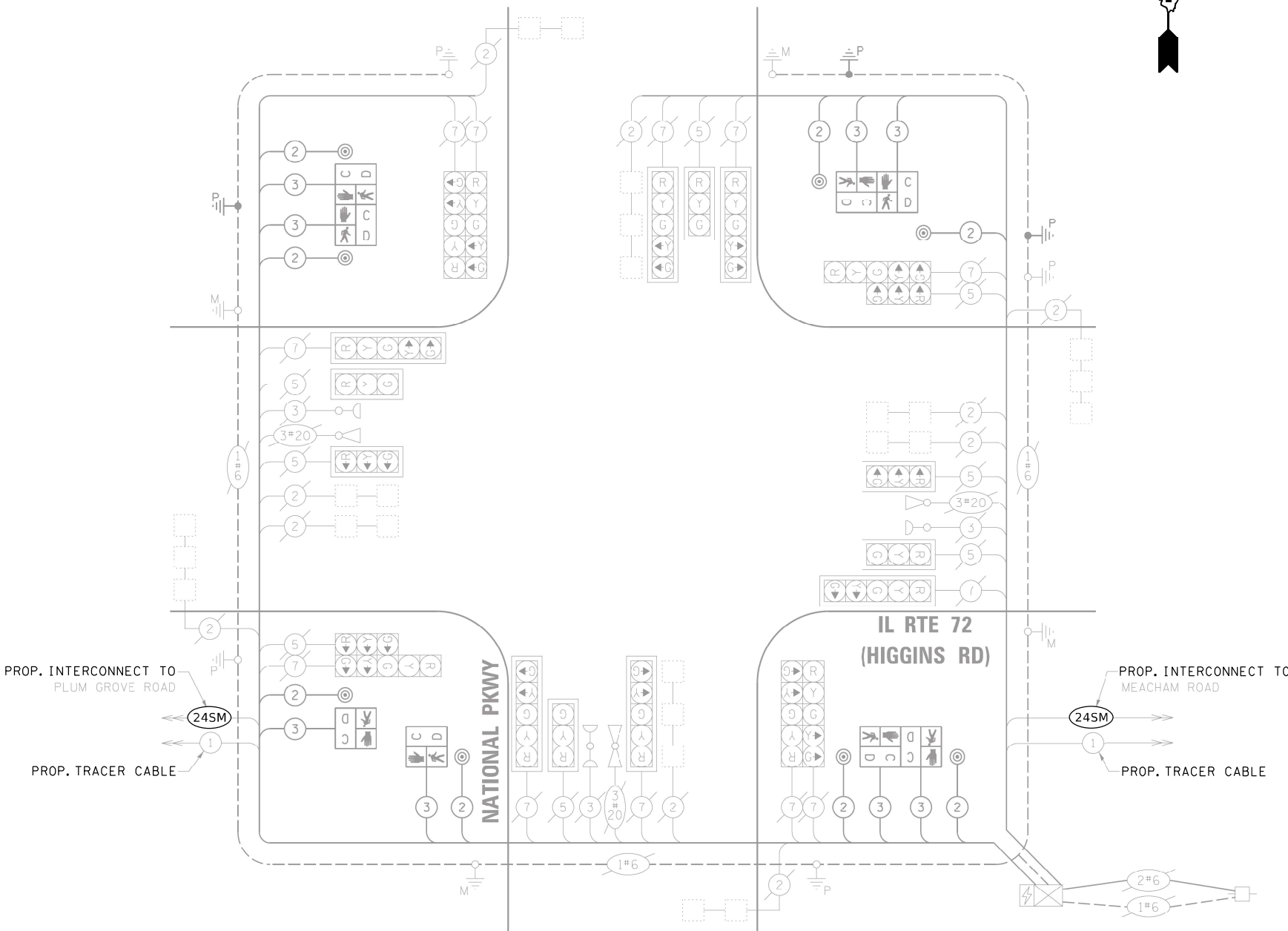
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: ERIC JOSTES
PHONE: (630) 437-2927
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
CENTRACS LICENSE EXPANSION	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	12

CABLE PLAN



TS 21955
IDOT CENTRACS
FORMER ECON 84

MODEL: Default
FILE: ts21955_2022_traffic_01.dgn
PROJECT: TS21955_2022_traffic_01.dgn
DRAWN: Kamil.Kobylka
CHECKED: DD
DATE: 06/30/2022
REVISION: 08-12-2022

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
PLOT SCALE = 40,0000 * / in.	DRAWN - GM	REVISED -
PLOT DATE = 8/15/2022	CHECKED - DD	REVISED -
	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #32
IL 72 (HIGGINS RD.) AT NATIONAL PKWY. CABLE PLAN

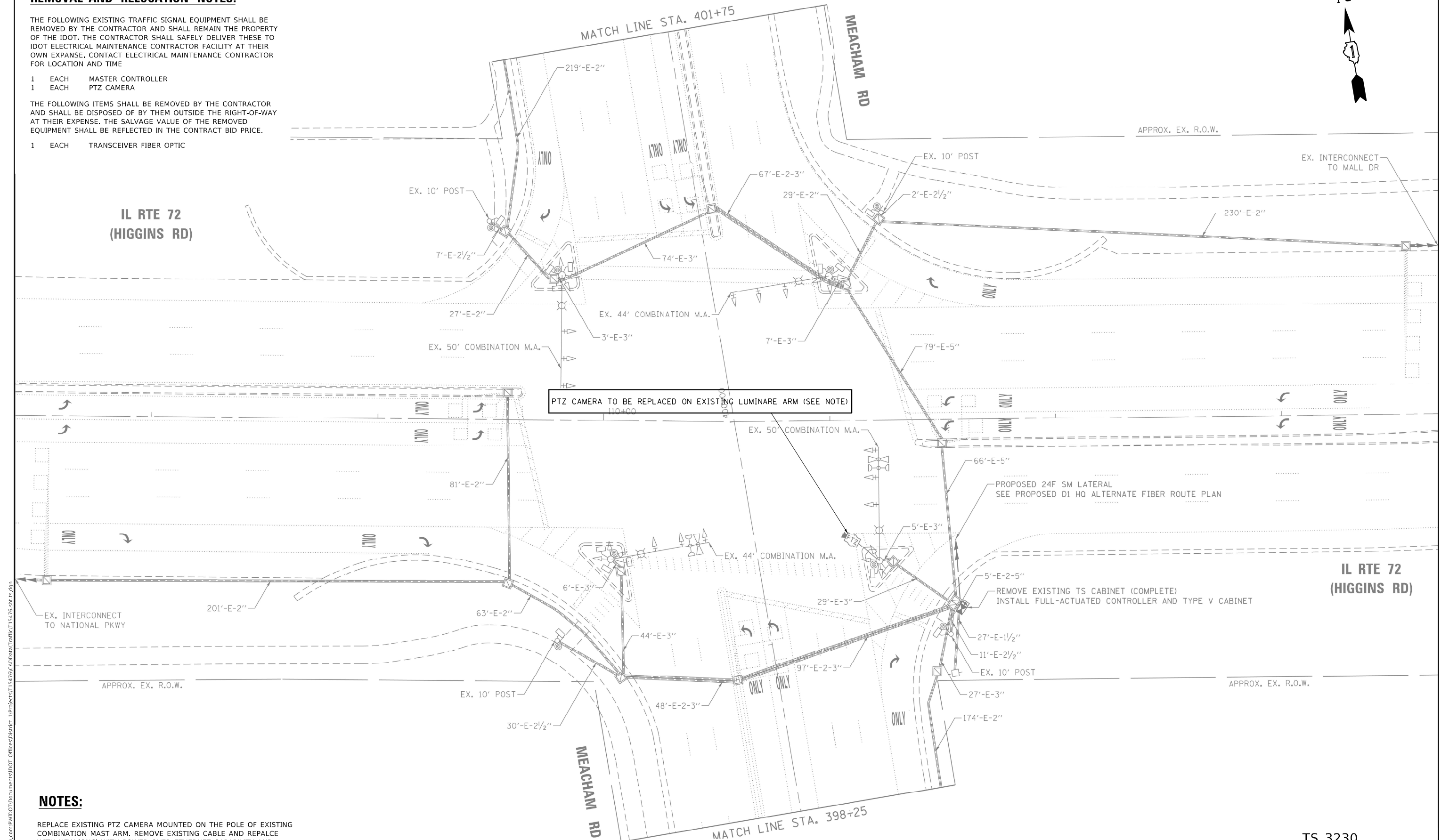
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	88
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

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

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

**IL RTE 72
(HIGGINS RD)**



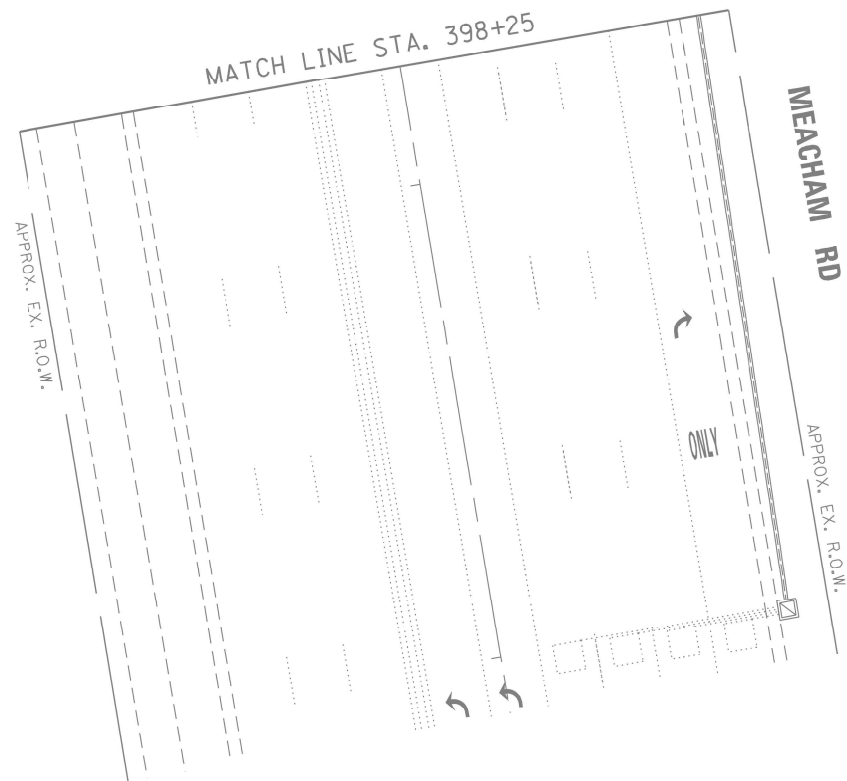
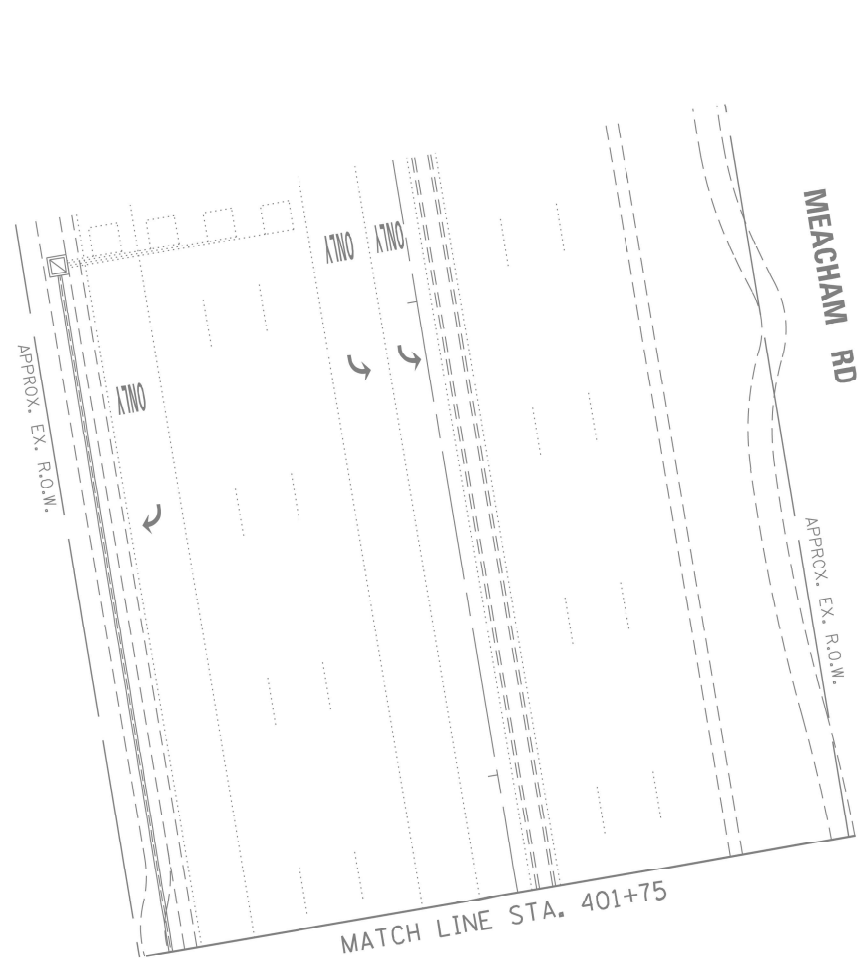
REPLACE EXISTING PTZ CAMERA MOUNTED ON THE POLE OF EXISTING COMBINATION MAST ARM, REMOVE EXISTING CABLE AND REPLACE WITH NEW 'ONC' WITH POWER OVER ETHERNET CAPABILITY AND RECONFIGURE WITH THE NETWORK SWITCH.

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3230
IDOT CENTRACS
FORMER ECON 84

USER NAME = KamilKobylka	DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #33 IL 72 (HIGGINS RD.) AT MEACHAM RD. INTERSECTION PLAN SHEET ONE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - GM	REVISED -						VAR.	2022 TRAFFIC 01	COOK	241	89
PLOT SCALE = 40,000' / in.	CHECKED - DD	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT CONTRACT NO. 62R81				
PLOT DATE = 8/15/2022	DATE = 06/30/2022	REVISED -										

MODEL: Default



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3230
IDOT CENTRACS
FORMER ECON 84

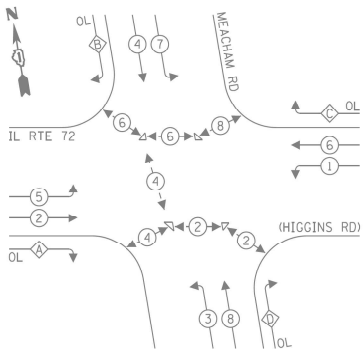
MODEL: Default
FILE: \\nslc-01\public\aw-bentley.com\PIV\DOT\Documents\DOT Office\Dir\dt 1\Projects\T15476\CADD\at\Traffic\T15476-s-nts.dgn

	USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #33			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GM	REVISED -		IL 72 (HIGGINS RD.) AT MEACHAM RD. INTERSECTION PLAN SHEET 2			VAR.	2022 TRAFFIC 01	COOK	241	90
	PLOT SCALE = 40,0000' = 1 in.	CHECKED - DD	REVISED -					CONTRACT NO. 62R81				
	PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -		SCALE:	SHEET	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	115
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	115
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
TERMINATE FIBER IN CABINET	EACH	42
SPLICE FIBER IN CABINET	EACH	12
LAYER III (NETWORK) SWITCH	EACH	1
CENTRACS LICENSE EXPANSION	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1

EXISTING AND PROPOSED
CONTROLLER SEQUENCE



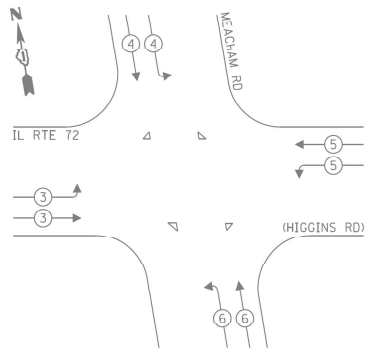
LEGEND:

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

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLA ² LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	2	3
B	4	5
C	6	7
D	8	1

EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	24	11	50	132.0
(YELLOW)	24	20	5	24.0
(GREEN)	24	12	45	129.6
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	14	20	100	280.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				438.9

ENERGY COSTS TO:

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

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

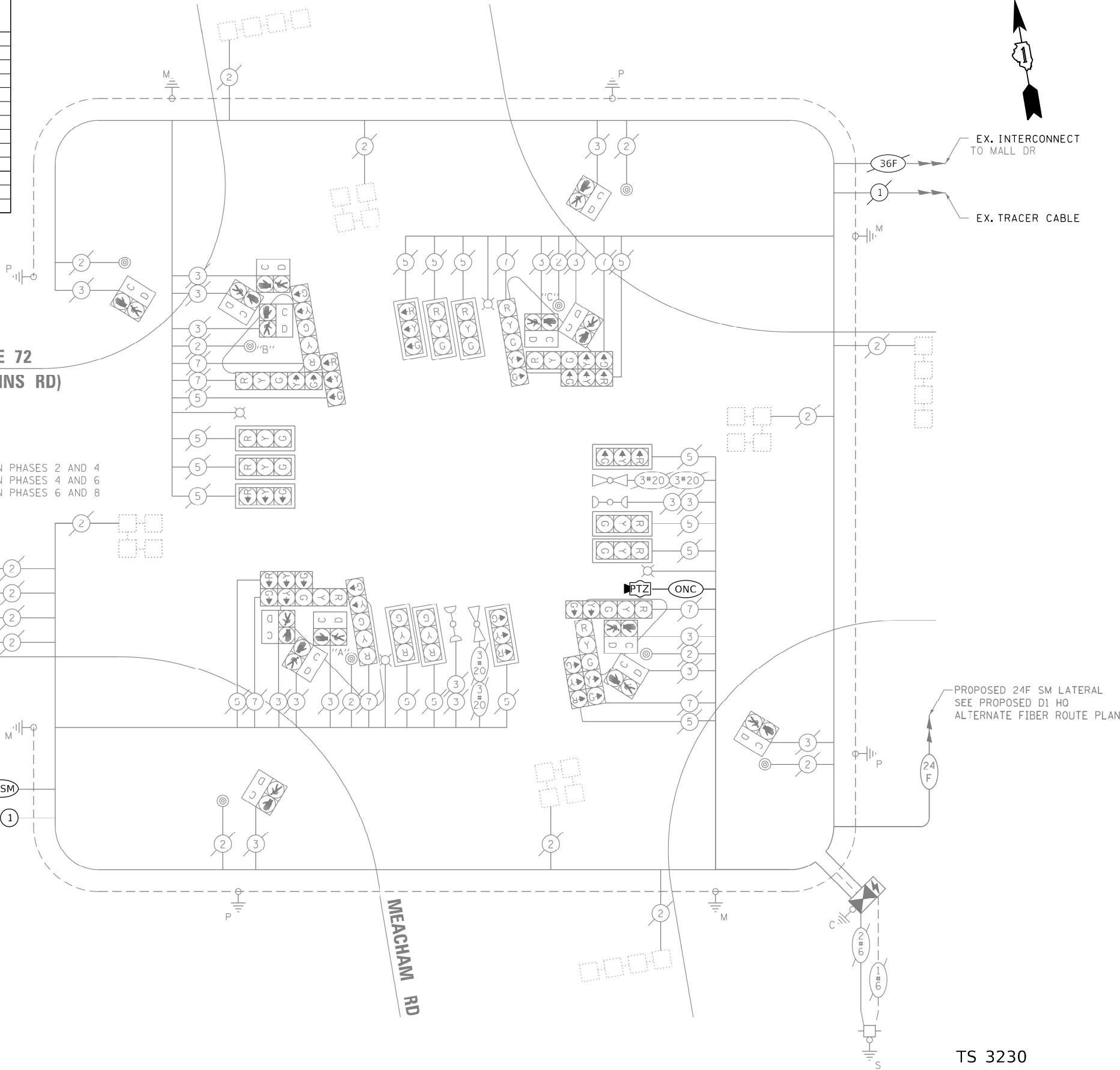
NOTE:

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

IL RTE 72
(HIGGINS RD)

PROP. INTERCONNECT
TO NATIONAL PKWY

PROP. TRACER CABLE



TS 3230
IDOT CENTRACS
FORMER ECON 84

MODEL: Default
FILE: ts3230-ts3230-aw-beadley.com-F:\IDOT\Documents\DOT Office\District 1\Projects\T15476\CADD\at\Traffic\T15476-ts3230.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #33
IL 72 (HIGGINS RD.) AT MEACHAM RD. CABLE PLAN

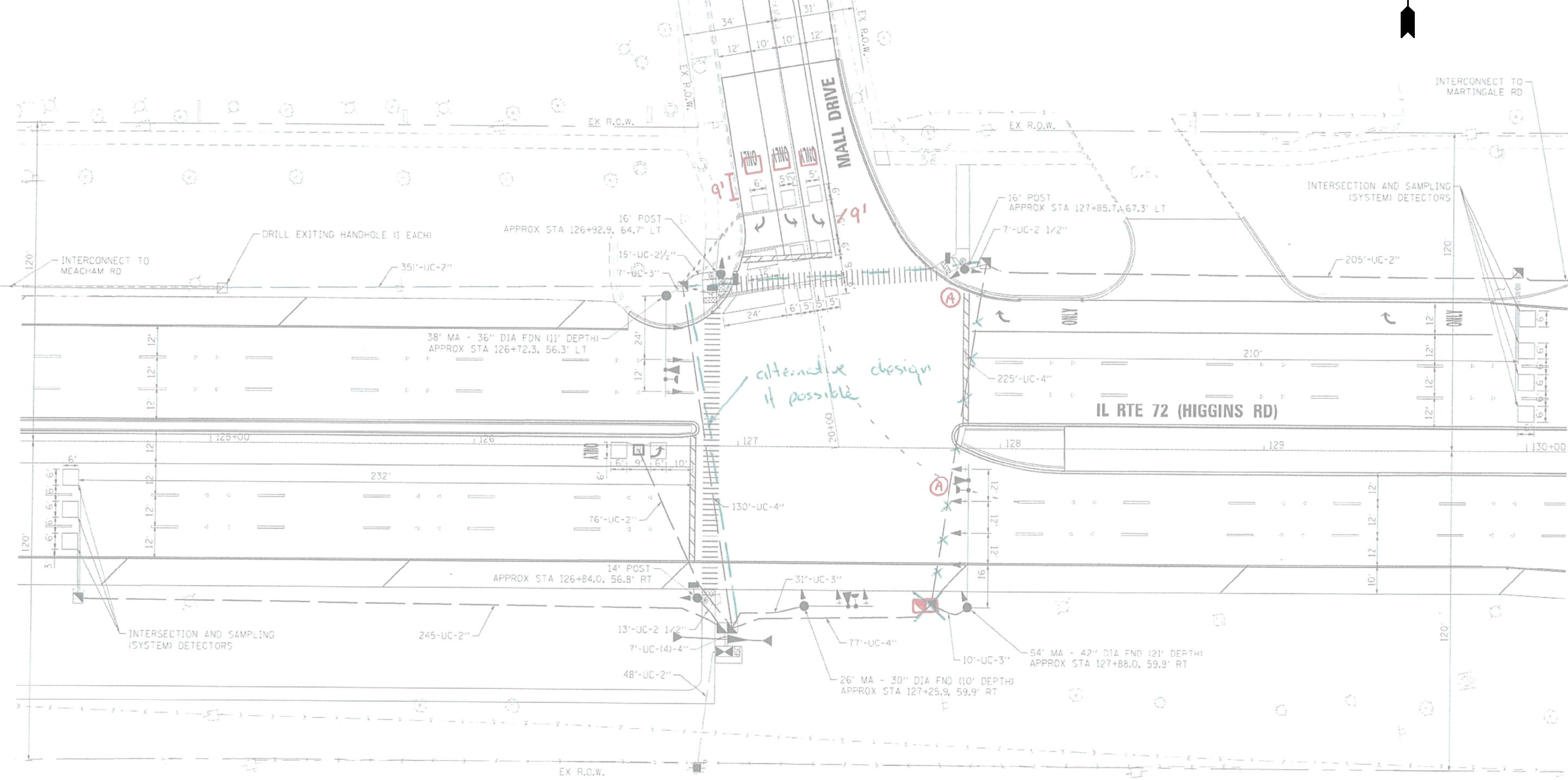
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	91
CONTRACT NO. 62R81				
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 BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3220
IDOT CENTRACS
FORMER ECON 84

USER NAME = Kamil.Kobylika	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

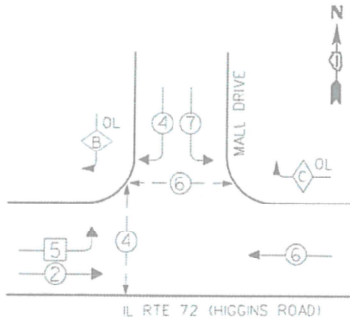
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #34			
IL 72 (HIGGINS RD.) AT MALL DR. INTERSECTION PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	92
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE: ts3220-2022-traffic-01.dwg
PROJECT: TS3220-2022-traffic-01.dwg
PATH: C:\Users\kamil.kobylika\OneDrive\Documents\DOT Office\Drawings\Projects\TS3220-2022-traffic-01.dwg

PROPOSED CONTROLLER SEQUENCE

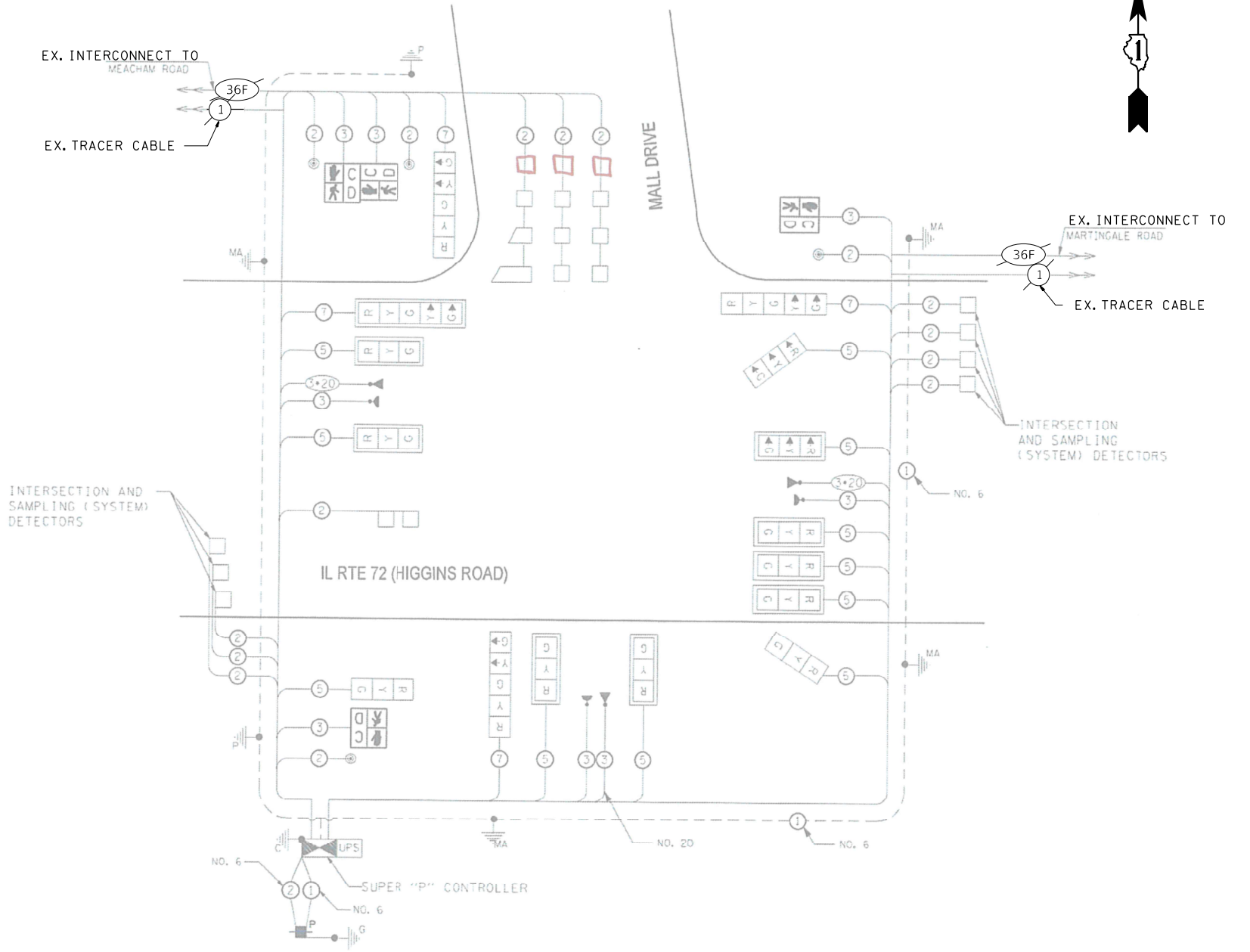
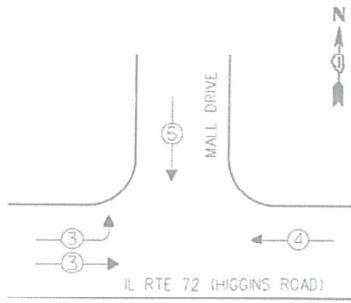


- LEGEND
- SINGLE ENTRY PHASE
 - DUAL ENTRY PHASE
 - OVERLAP
 - PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
CENTRACS LICENSE EXPANSION	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	6

I.D.C.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS x	WATTAGE C.E.D.	OPERATION	
SIGNAL (RED)	15	17	0.50	127.5
(YELLOW)	15	25	0.25	93.75
(GREEN)	15	15	0.25	56.25
ARROW	6	12	0.10	7.2
PED. SIGNAL	4	25	1.00	100
CONTROLLER	1	100	1.00	100
ILLUM. SIGN	0	120	0.05	
VIDEO SYSTEM		150	1.00	
FLASHER			0.50	
TOTAL				484.7

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 W. CENTER CT./SCHAUMBURG, IL 60196-1036

ENERGY SUPPLY - CONTACT: DAVE SCHACHT
PHONE: 630-437-2129
COMPANY: COMMONWEALTH EDISON

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #34
IL 72 (HIGGINS RD.) AT MALL DR. CABLE PLAN

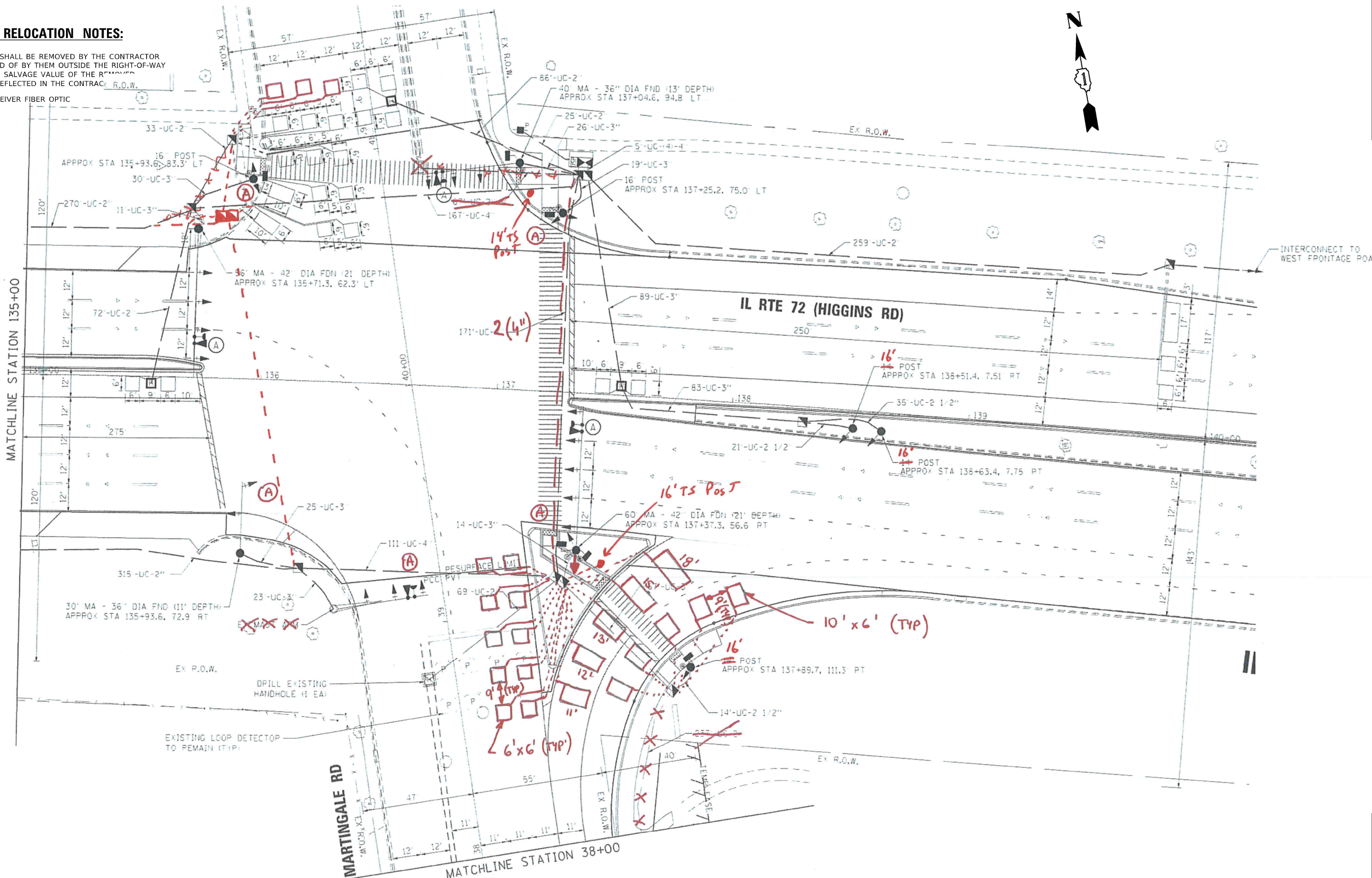
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	93
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

TS 3220
IDOT CENTRACS
FORMER ECON 84

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.

1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3225
IDOT CENTRACS
FORMER ECON 84

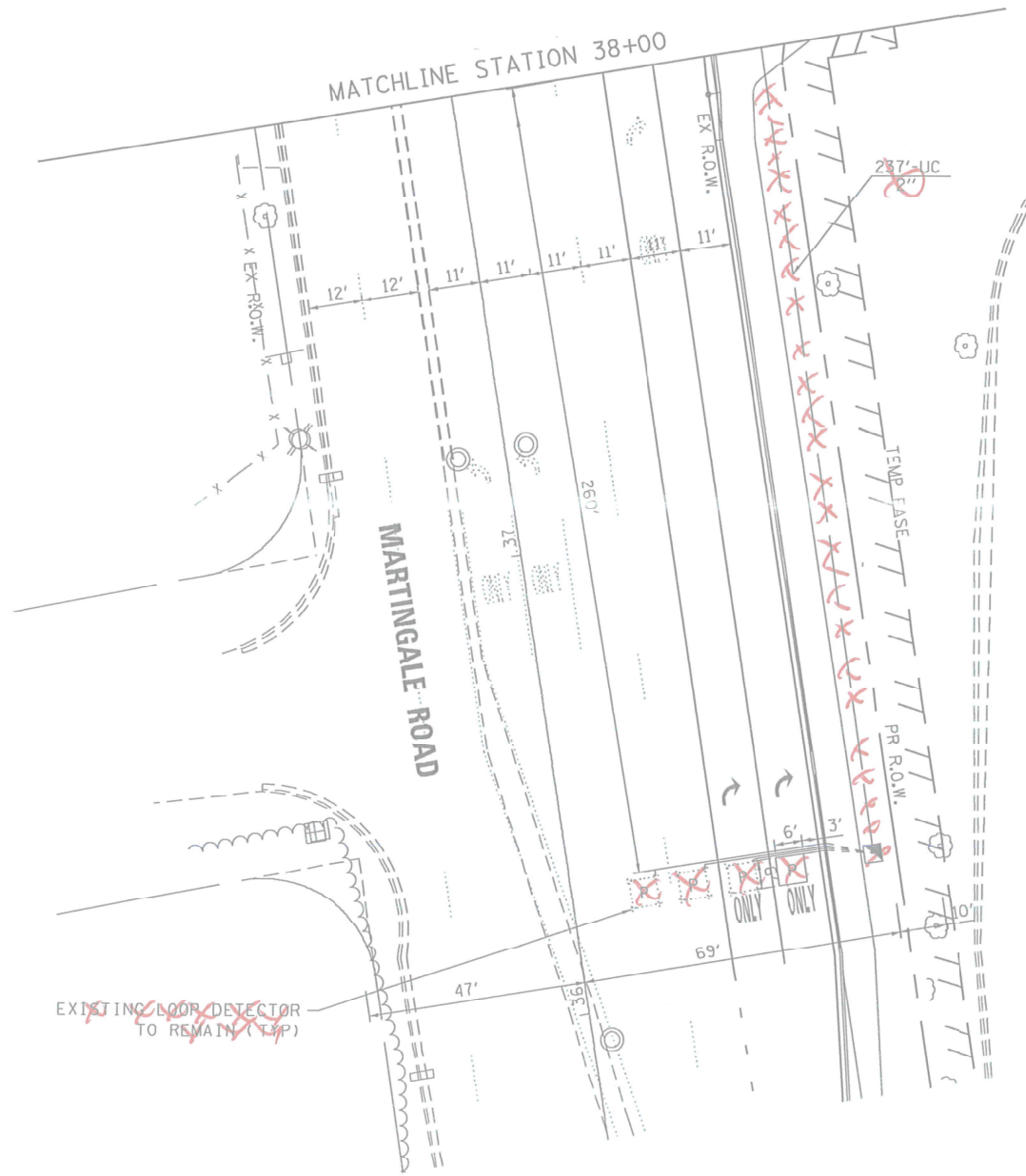
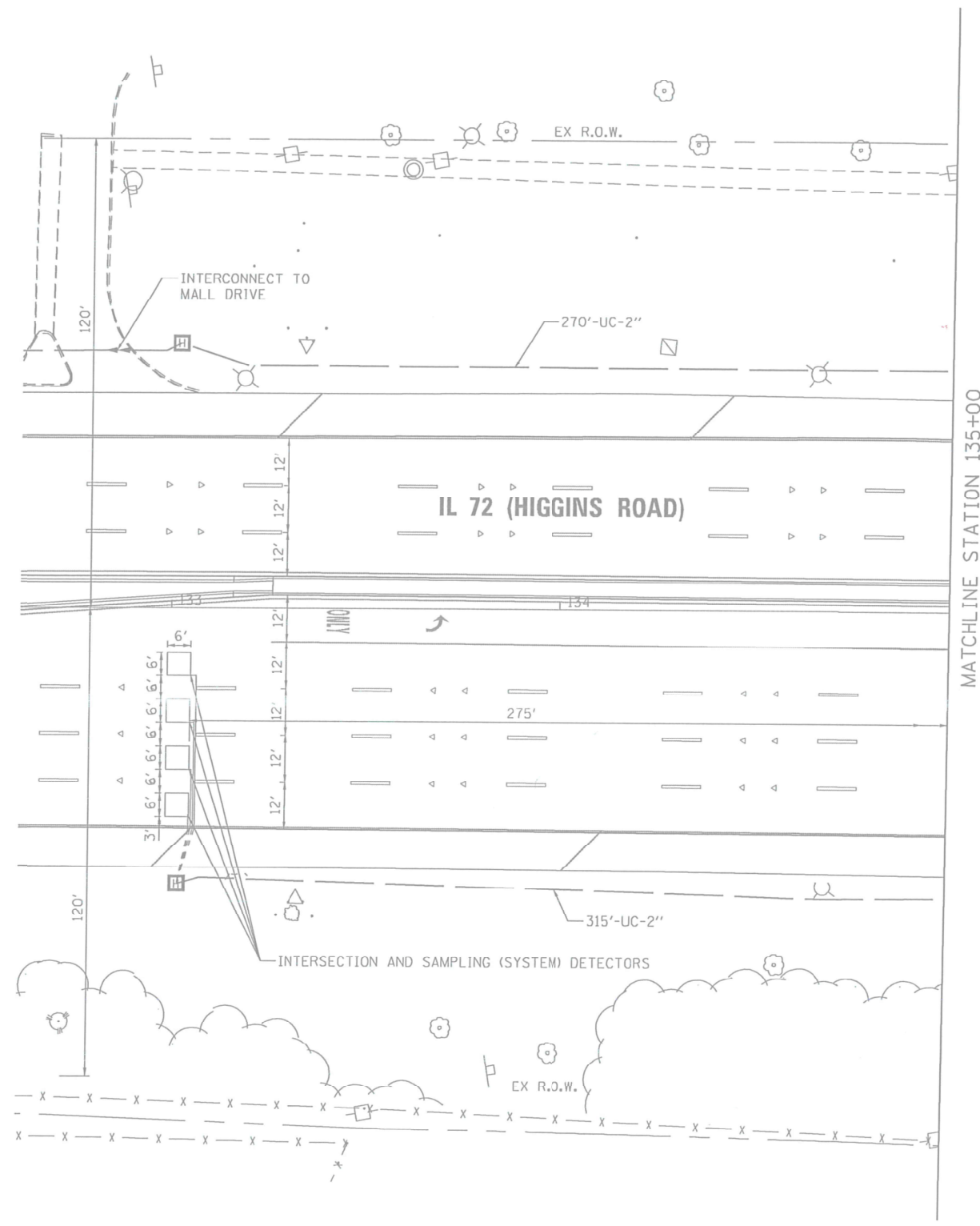
USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #35			
IL 72 (HIGGINS RD.) AT MARTINGALE RD. INTERSECTION PLAN SHEET 1			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	94
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE: \\dot-pw-bentley.com\FW\DOT\Documents\DOT Office\Dir\dot 1\Projects\115476\CADD\Traffic\115476-ts-nt-ts.dgn



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 3225
IDOT CENTRACS
FORMER ECON 84

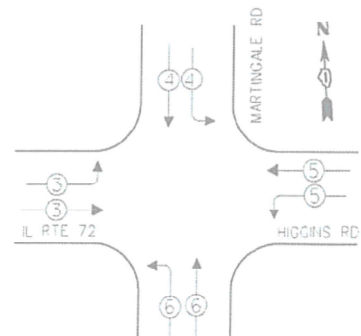
MODEL: Default
FILE: ts3225_traffic_signal_plan.dwg
PROJECT: TS 3225 IDOT CENTRACS FORMER ECON 84
DRAWN: GM
CHECKED: DD
DATE: 06/30/2022

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
DRAWN - GM	REVISED -	
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

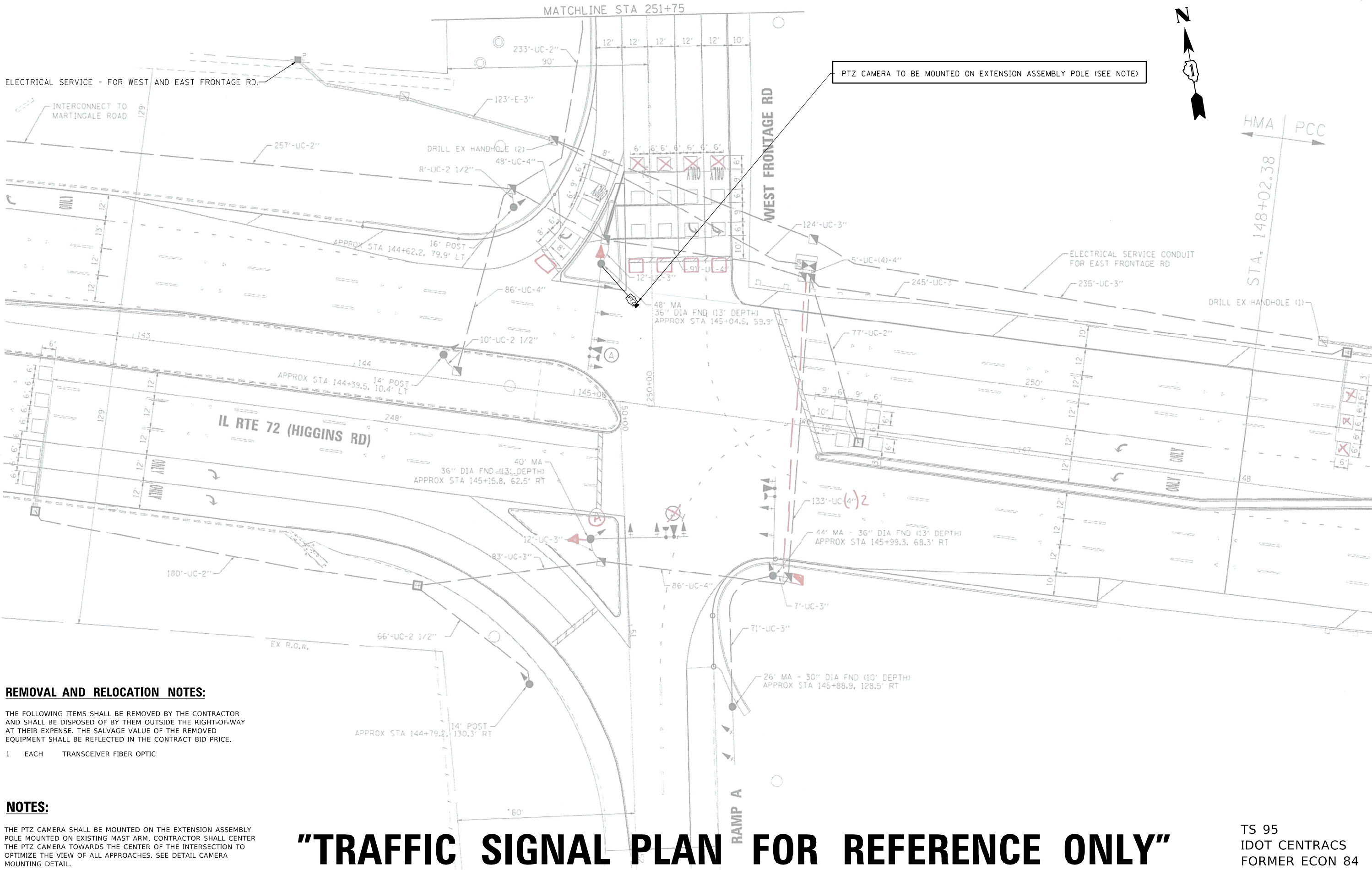
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #35			
IL 72 (HIGGINS RD.) AT MARTINGALE RD. INTERSECTION PLAN SHEET 2			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	95
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	96
		CONTRACT NO. 62R81		
		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 BID PRICE.

- 1 EACH TRANSCEIVER FIBER OPTIC

NOTES:

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

"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 95
IDOT CENTRACS
FORMER ECON 84

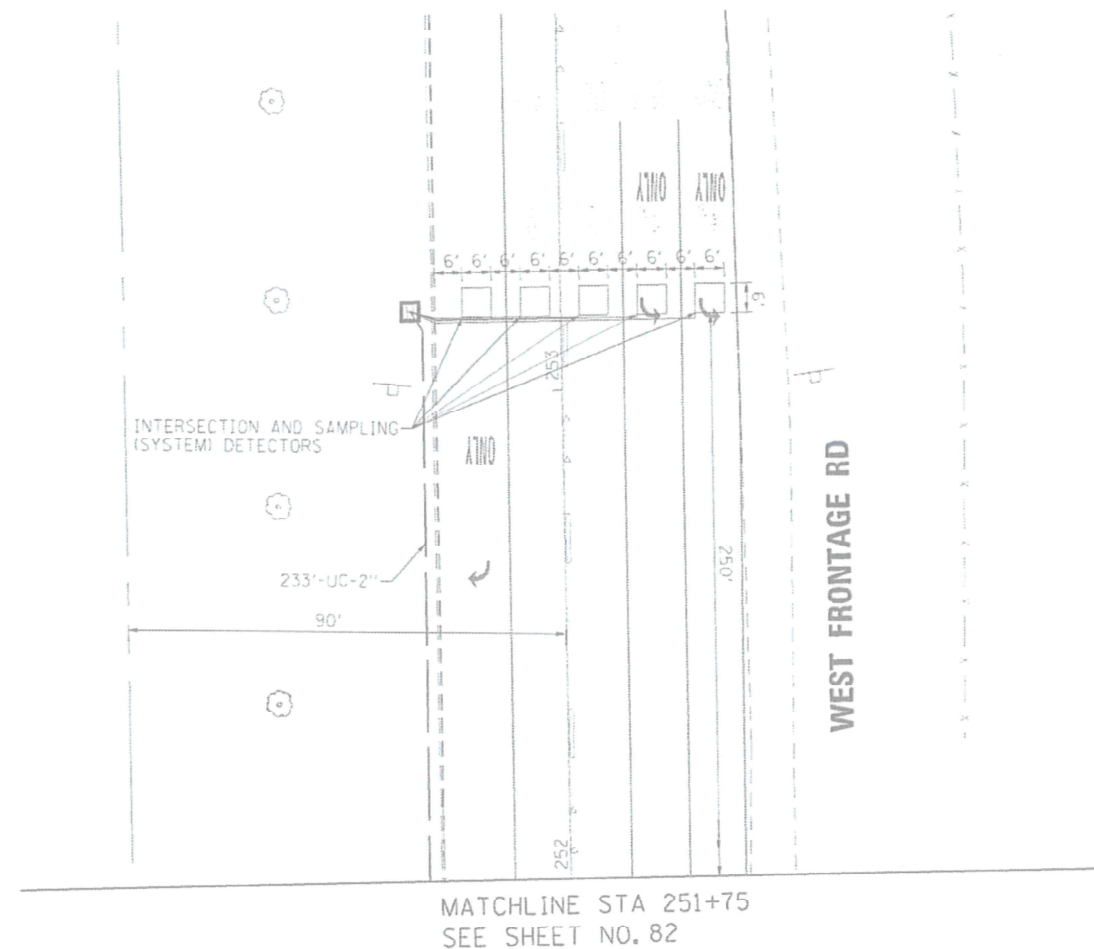
MODEL: Default
FILE: \\s:\p\dot\paw\bead\paw\com\p\dot\paw\Documents\DOT\Office\Director\Projects\115476\CADD\Drawings\115476-INT-4.dgn

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
	DRAWN - GM	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #36			
IL 72 (HIGGINS RD.) AT W FRONTAGE RD. INTERSECTION PLAN SHEET 1			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	97
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 95
IDOT CENTRACS
FORMER ECON 84

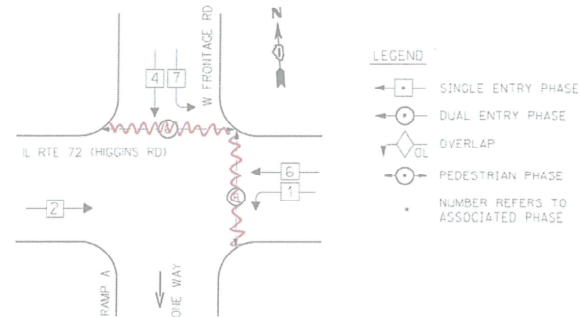
MODEL: Default
FILE: kamilc:\projects\aw-bentley.com\p\id\dot\documents\dot\office\dir\dot\1\projects\115476\cadd\data\traffic\115476-s-nts.dgn

	USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #:36		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GM	REVISED -		IL 72 (HIGGINS RD.) AT W. FRONTAGE RD. INTERSECTION PLAN SHEET 2		VAR.	2022 TRAFFIC 01	COOK	241	98
	PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISED -				CONTRACT NO. 62R81				
	PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISED -		SCALE:	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

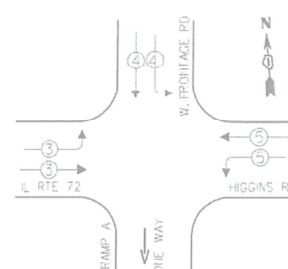
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	195
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
CAMERA MOUNTING ASSEMBLY	EACH	1
SPLICE FIBER IN CABINET	EACH	6
CENTRACS LICENSE EXPANSION	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1

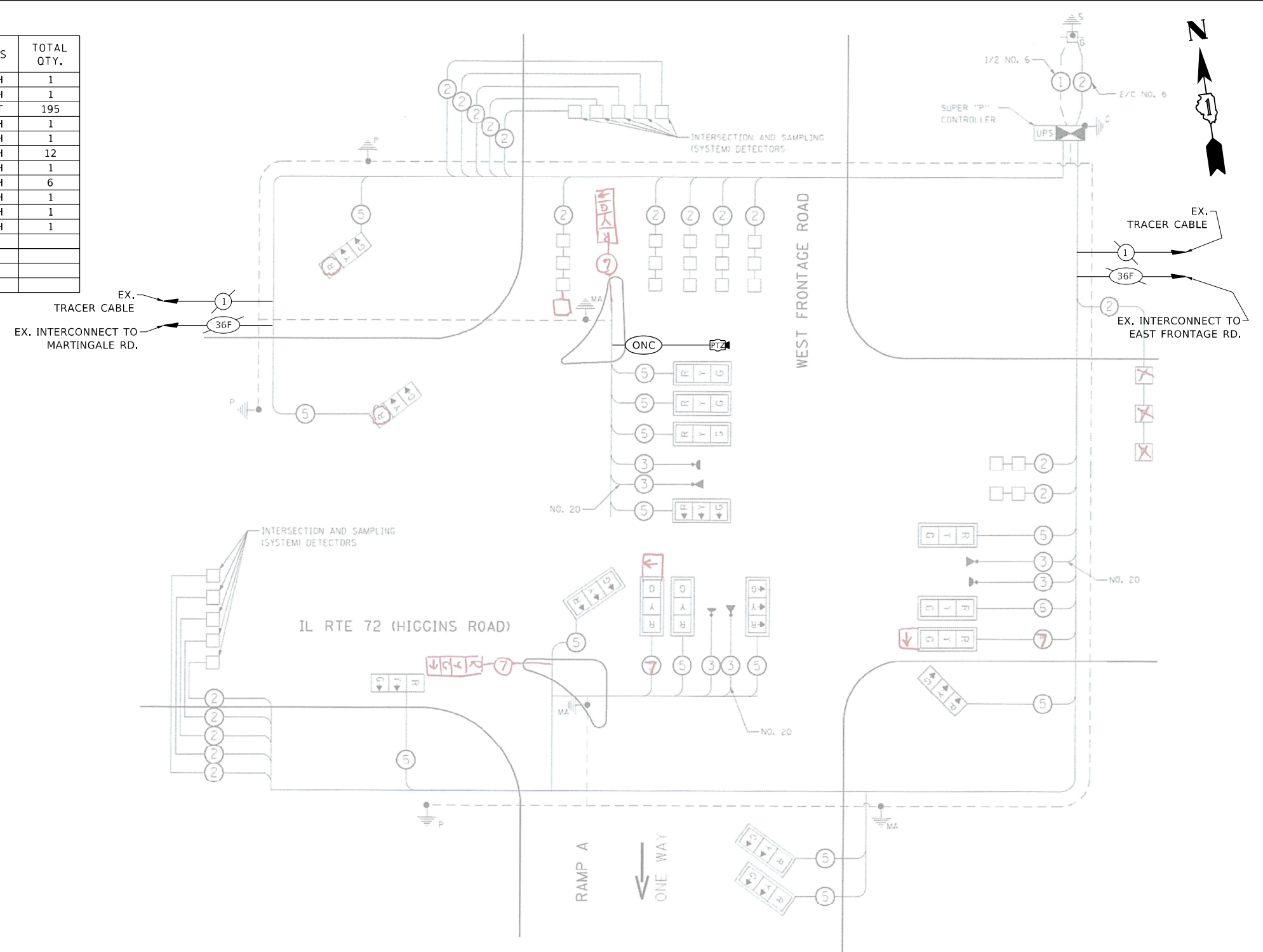
PROPOSED CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE E.I.D.	OPERATION	
IGNAL (RED)	17	17	0.50	144.5
(YELLOW)	17	25	0.25	106.25
(GREEN)	17	15	0.25	63.75
ARROW		12	0.10	
PED. SIGNAL		25	1.00	
CONTROLLER	1	100	1.00	100.00
ILLUM. SIGN		120	0.05	
VIDEO SYSTEM		150	1.00	
FLASHER		150	0.50	
ILLINOIS DEPARTMENT OF TRANSPORTATION				TOTAL
DIVISION OF HIGHWAYS/DISTRICT 1				414.5
201 N. CENTER CT/SC-AUMBURG, IL 60196-1096				
ENERGY SUPPLY - CONTACT: DAVE SCHACHT				
PHONE: 630-437-2129				
COMPANY: COMMONWEALTH Edison				



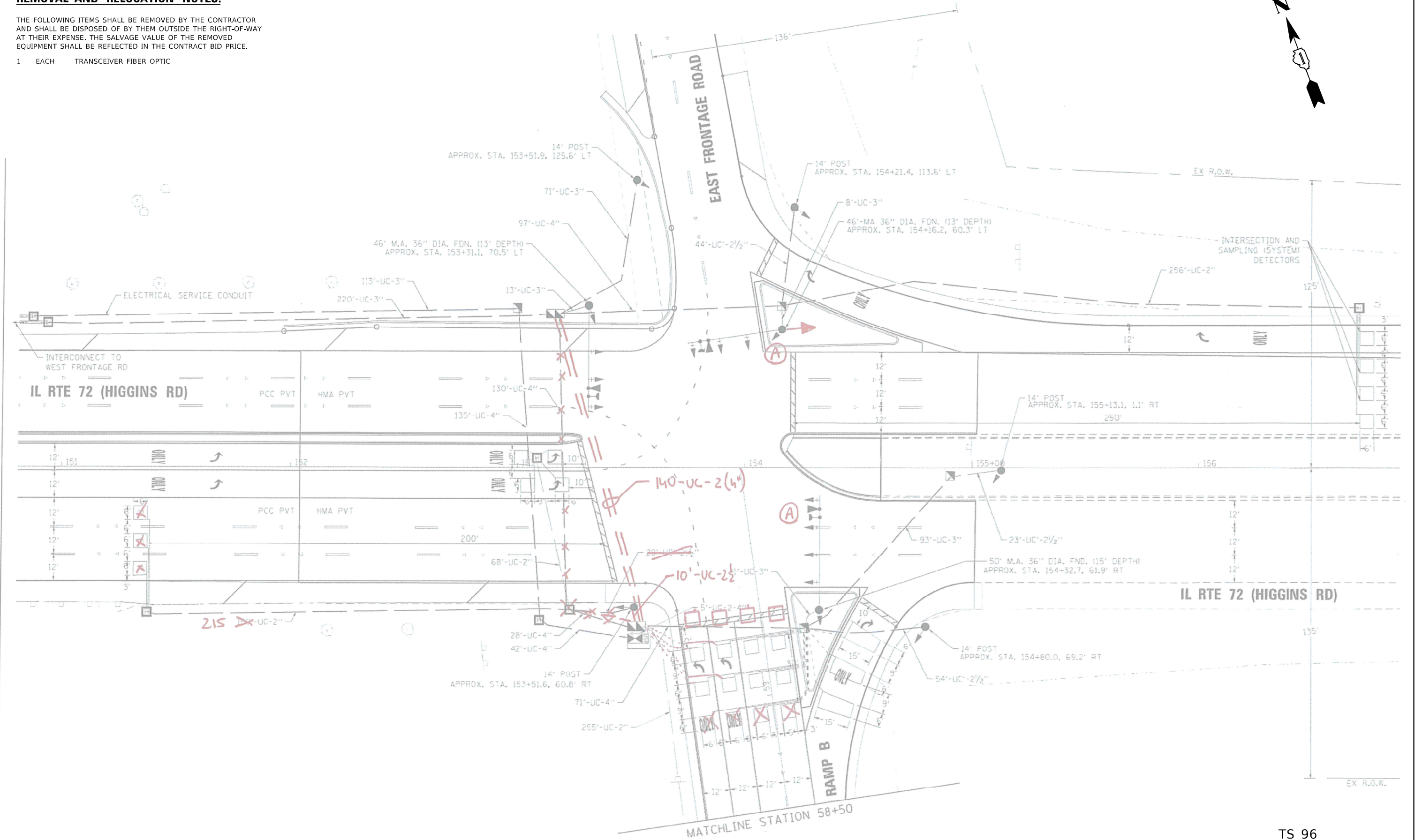
CABLE PLAN

TS 95
IDOT CENTRACS
FORMER ECON 84

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 BID PRICE.

1 EACH TRANSCEIVER FIBER OPTIC



"TRAFFIC SIGNAL PLAN FOR REFERENCE ONLY"

TS 96
IDOT CENTRACS
FORMER ECON 84

USER NAME = Kamil.Kobylka	DESIGNED - KK	REVISED - KK - 08-12-2022
DRAWN - GM	REVISOR -	
PLOT SCALE = 40,0000 * / in.	CHECKED - DD	REVISOR -
PLOT DATE = 8/15/2022	DATE - 06/30/2022	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #37			
IL 72 (HIGGINS RD.) AT EAST FRONTAGE RD. INTERSECTION PLAN SHEET 1			
SCALE:	SHEET	OF	SHEETS
STA.	TO	STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2022 TRAFFIC 01	COOK	241	100
CONTRACT NO. 62R81				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE: ts96_2022-traffic-01_01.dgn
PROJECT: I:\Projects\115476\115476-CAD\115476-Traffic\115476-Traffic.dgn