ITEM	UNIT	TOTAL	Intersection Quantity	IL Rte. 83 at Woodlawn Avenue Eastbound	IL Rte. 83 at Woodlawn Avenue Westbound
TRAFFIC CONTROL AND PROTECTION, COMPLETE	LSUM	1	1		
SIDEWALK CONCRETE SIDEWALK, 4"	SQ FT	880		160	480
SIDEWALK REMOVAL	SQ FT	880		160	480
CONDUIT IN TRENCH, 2" DIA. GALVANIZED STEEL	FOOT	45		45	
CONDUIT FLEXIBLE, 2" DIA. GALVANIZED STEEL	FOOT	378		84	252
CONDUIT IN TRENCH, 3" DIA. GALVANIZED STEEL	FOOT	18		9	9
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	35		30	5
REMOVAL OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1		
ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 AWG	FOOT	486		138	348
ELECTRICAL CABLE IN CONDUIT, GROUND, NO. 8 AWG	FOOT	848		186	374
CONCRETE FOUNDATION TYPE A	FOOT	4		2	2
CONCRETE FOUNDATION, 36" SQUARE	FOOT	8		4	4
PULL BOX TYPE HANDHOLE	EACH	1	1		
UNDERGROUND	EACH	2	1		1
WIRELESS MAGNETIC DETECTOR	EACH	12		3	9
INSTALLATION OF PRIVATE SERVICE DISCONNECT	LSUM	1	1		
INSTALLATION OF VEHICLE DETECTOR EQUIPMENT	LSUM	2		1	1
TO LIGHT PHOTO ENFORCEMENT SIGN, 36"x36"	EACH	2		1	1
THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	74		37	37
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE	EACH	4	4		
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE **	EACH	2	2		
SIGNAL HEAD, L.E.D., 1-FACE, 3 SECTION, BRACKET MOUNTED **	EACH	2	2		
SIGNAL HEAD, L.E.D., 2-FACE, 3 SECTION, BRACKET MOUNTED **	EACH	2	2		
SIGNAL HEAD, L.E.D., 1-FACE, 3 SECTION, MAST ARM MOUNTED **	EACH	2	2		
SIGNAL HEAD, L.E.D., 1-FACE, 4 SECTION, BRACKET MOUNTED **	EACH	2	2		
SIGNAL HEAD, L.E.D., 1-FACE, 4 SECTION, MAST ARM MOUNTED **	EACH	2	2		
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM **	EACH	4	4		

(1) ITEMS TO BE INSTALLED AT TIME OF RLR CAMERA INSTALLATION UNLESS OTHERWISE NOTED)
ITEMS TO BE INSTALLED NO LATER THAN 6 MONTHS AFTER RLR ACTIVATION

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE (INCAND.)	WATTAGE LED	X % OPERATION	
SIGNAL (RED)	12		17	0.50	102.00
(YELLOW)	12		25	0.25	75.00
(GREEN)	12		15	0.25	45.00
ARROW	8		12	0.10	9.60
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN			25	0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	531.60

NOT LED
Should have been 6 months after turn-on after permit
1-TL-08
-0003

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY: CONTACT: TONY ESCALANTE
PHONE: 1-708-235-2328
COMPANY: COM ED

(2) CONSTRUCTION NOTES:

(1) SIGNAL CHANGE INDICATIONS WILL BE RECEIVED THROUGH INDUCTANCE COILS ATTACHED TO SIGNAL CABLES IN THE EXISTING CABINET. NO DIRECT CONNECTIONS OR SPLICES ARE ALLOWED.

(2) ALL SIGNAL HEADS TO BE REPLACED WITH L.E.D. (ALL SIGNAL IMPROVEMENTS MUST BE COMPLETED WITHIN 6 MONTHS OF THE START OF RED LIGHT CAMERA OPERATIONS.)

(3) IDOT CONDUIT CAN ONLY BE USED TO FACILITATE THE ACQUISITION OF THE CHANGE INDICATION THROUGH THE USE OF INDUCTANCE COILS.

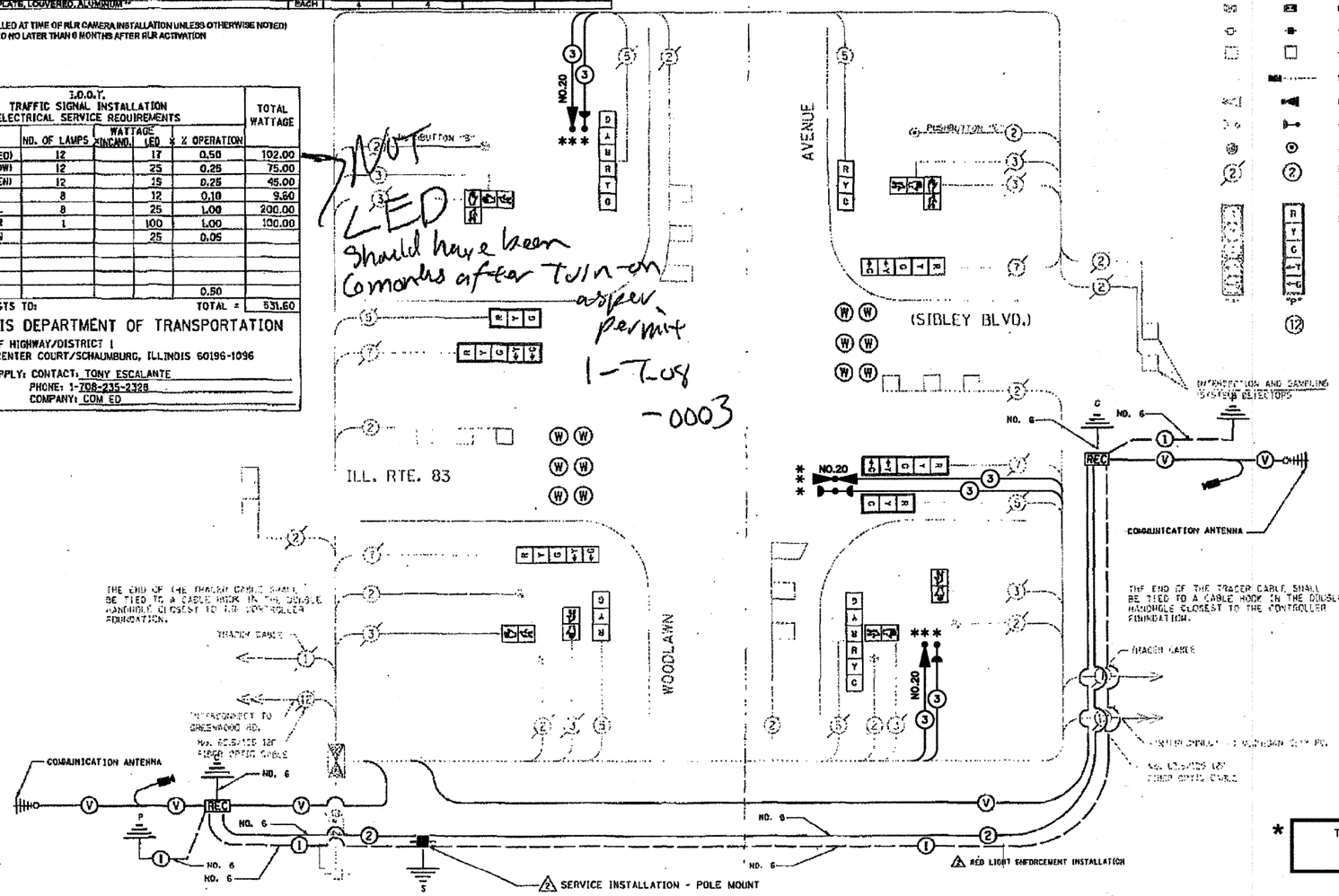
(4) THE COMMUNICATION ANTENNA WILL BE MOUNTED TO THE RED LIGHT RUNNING CAMERA HOUSING. IT WILL BE USED FOR BOTH DETECTION AND ENFORCEMENT COMMUNICATION REQUIREMENTS.

N
N.T.S.

CABLE PLAN LEGEND

EXISTING	PROPOSED	
		8" (200 mm) TRAFFIC SIGNAL SECTION
		12" (300 mm) TRAFFIC SIGNAL SECTION
		12" (300 mm) PEDESTRIAN SIGNAL SECTION
		12" (300 mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
2	2	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
	R Y G	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
	12	NO. 62.5/125 12F FIBER OPTIC CABLE
	C	GROUND ROD AT RED LIGHT ENFORCEMENT CABINET
	S	GROUND ROD AT SERVICE INSTALLATION
	P	GROUND ROD AT CAMERA POST

(2) RED LIGHT INSTALLATION LEGEND
- REC — RED LIGHT ENFORCEMENT CABINET
- RED LIGHT ENFORCEMENT CAMERA
- W — WIRELESS MAGNETIC DETECTOR
- V — VENDOR SPECIFIC CABLE



* THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.

* ADDED EV PREEMPTION LOCATION NO. 6

FILE NAME = 09324-PLAN-08 - IDOT P02	USER NAME =	DESIGNED — MRS	REVISED — 10-13-09 *
		CHECKED — PKB	REVISED —
	PLOT SCALE =	DRAWN — PS	REVISED —
	PLOT DATE = 10-13-09	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED EMERGENCY VEHICLE PREEMPTION
IL ROUTE 83 (SIBLEY BOULEVARD) & WOODLAWN AVENUE
SCHEDULE OF QUANTITIES, CABLE PLAN, & PHASE DESIGNATION DIAGRAM

SCALE: NTS | SHEET NO. 20 OF 43 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	09-00114-00-TL	COOK	43	20
		CONTRACT NO. 63317		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT ARA-9003(336)		