



PHASE	MOVEMENT									
	1	2	3	4	5	6	7	8	9	10
INTERVAL										
STREET										
1 1/2 MILEN AVE SOUTHBOUND NEAR TRIP SIGNAL										
LINCOLN AVE SOUTHBOUND WEST ARM AND PARALLEL SIGNALS										
LINCOLN AVE NORTHBOUND WEST ARM, EAST ARM AND PARALLEL SIGNALS										
142ND ST WESTBOUND SIGNALS										
142ND ST EASTBOUND SIGNALS										
PEDESTRIAN SIGNALS ACROSS 142ND ST										
PEDESTRIAN SIGNALS ACROSS LINCOLN AVE										

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE	LED	% OPERATION	
SIGNAL (RED)	14		17	0.50	119.00
(YELLOW)	14		25	0.25	87.50
(GREEN)	14		15	0.25	52.50
ARROW	4		12	0.10	4.80
PED. SIGNAL	6		25	1.00	150.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN			25	0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	513.80

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: GDM ED

LEGEND

- SIGNAL HEAD (WITH BULB, etc)
- DETECTOR LOOP
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSHBUTTON
- SERVICE INSTALLATION
- CONTROLLER CABINET
- SIGNAL HEAD
- RED LIGHT INSTALLATION LEGEND
- RED LIGHT ENFORCEMENT CABINET
- RED LIGHT ENFORCEMENT CAMERA
- WIRELESS MAGNETIC DETECTOR
- VENDOR SPECIFIC CABLE
- GROUND ROD AT CAMERA POST
- GROUND ROD AT RED LIGHT ENFORCEMENT CABINET
- GROUND ROD AT SERVICE INSTALLATION

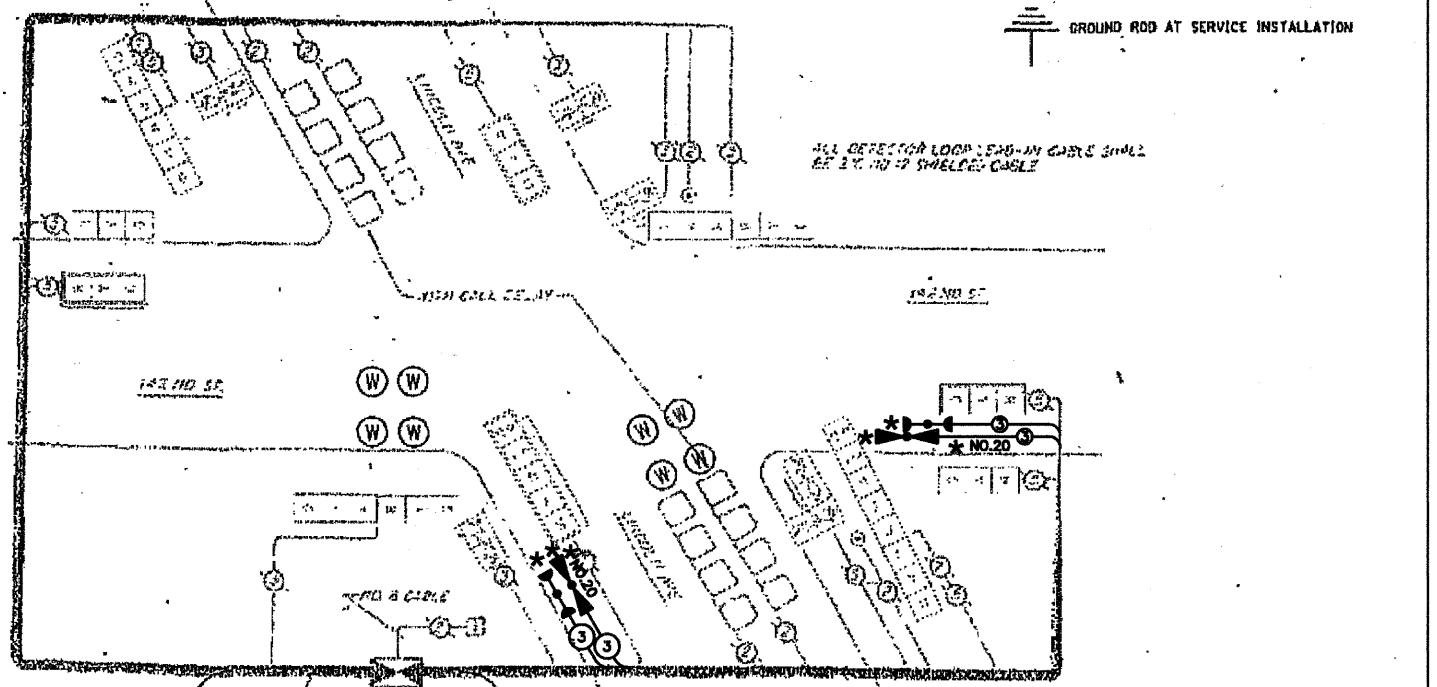
DETECTORS NUMBER OF CONDUCTIVE WIRE CABLES TO BE INSTALLED OTHERWISE INDICATED

* TO APPEAR ON PEDESTRIAN ACTUATION ONLY
 * FLASHING "DON'T WALK" SHALL TERMINATE AT COMPLETION OF PEDESTRIAN CLEARANCE INTERVAL
 A STEADY "DON'T WALK" SHALL APPEAR IN THE ABSENCE OF PEDESTRIAN ACTUATION

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL	Interaction	
			Quantity	Quantity
TRAFFIC CONTROL AND PROTECTION, COMPLETE	LSUM	1	1	
PORTLAND CEMENT CONCRETE SIDEWALK, 6"	50 FT	400		400
SIDEWALK REMOVAL	50 FT	400		400
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	168		85
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	173		80
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	10		6
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	168		80
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	336		130
ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1C	FOOT	376		182
CONCRETE FOUNDATION TYPE A	FOOT	8		4
CONCRETE FOUNDATION, 26" SQUARE	FOOT	8		4
HANDHOLE	EACH	1	1	
DRILL EXISTING HANDHOLE	EACH	1	1	
WIRELESS MAGNETIC DETECTOR	EACH	8		4
RED LIGHT PHOTO ENFORCEMENT SIGN, 50" x 30"	EACH	4		2
INSTALLATION OF PRIVATE SERVICE DISCONNECT	LSUM	1	1	
INSTALLATION OF VENDOR SUPPLIED EQUIPMENT	LSUM	2		1
THERMOPLASTIC PAVEMENT MARKING - LINE 2"	FOOT	58		31

(ALL ITEMS TO BE INSTALLED AT TIME OF RLR CAMERA INSTALLATION UNLESS OTHERWISE NOTED)



- CONSTRUCTION NOTES:**
- SIGNAL CHANGE INDICATIONS WILL BE RECEIVED THROUGH INDUCTANCE COILS ATTACHED TO SIGNAL CABLES IN THE EXISTING CABINET. NO DIRECT CONNECTIONS OR SPLICES ARE ALLOWED.
 - IDOT CONDUIT CAN ONLY BE USED TO FACILITATE THE ACQUISITION OF THE CHANGE INDICATION THROUGH THE USE OF INDUCTANCE COILS.
 - THE COMMUNICATION ANTENNA WILL BE MOUNTED TO THE RED LIGHT RUNNING CAMERA HOUSING. IT WILL BE USED FOR BOTH DETECTION AND ENFORCEMENT COMMUNICATION REQUIREMENTS.

