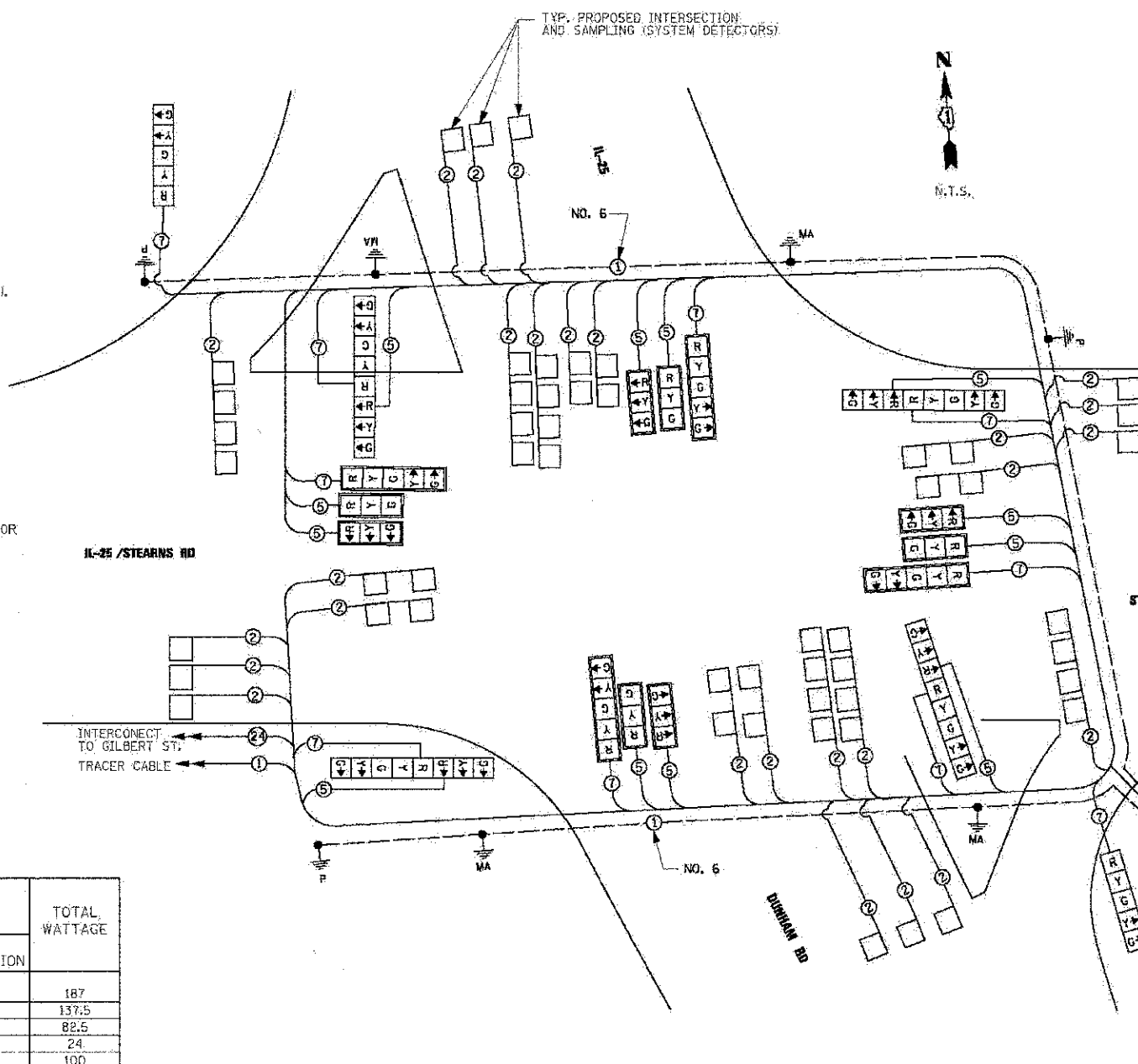


CABLE SIGNAL LEGEND

EXISTING	PROPOSED	
		8" (200mm) TRAFFIC SIGNAL SECTION
		CONTROLLER CABINET
		TELEPHONE INSTALLATION
		DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED, ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
		FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125, MM 12F, SMI2F
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
		UNINTERRUPTIBLE POWER SUPPLY

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITIES
SERVICE INSTALLATION, POLE MOUNTED	EACH	1
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1118
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	65
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	102
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	73
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	224
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	671
HANDHOLE	EACH	8
HEAVY DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	3
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1489
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/0	FOOT	6681
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/0	FOOT	2281
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	7771
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2/0	FOOT	120
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	12
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINIUM	EACH	26
INDUCTIVE LOOP DETECTOR	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
PREFORMED DETECTOR LOOP	FOOT	1922
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1/0	FOOT	719
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
CONCRETE FOUNDATION, TYPE E, 42-INCH DIAMETER	FOOT	21
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	41
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1



THE END OF THE TRACER CABLE WILL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE LED	%OPERATION	
SIGNAL (RED)	22	17	0.50	187
(YELLOW)	22	25	0.25	137.5
(GREEN)	22	15	0.25	82.5
ARROW	20	12	0.30	24
CONTROLLER	1	100	1.00	100
FLASHER			0.50	

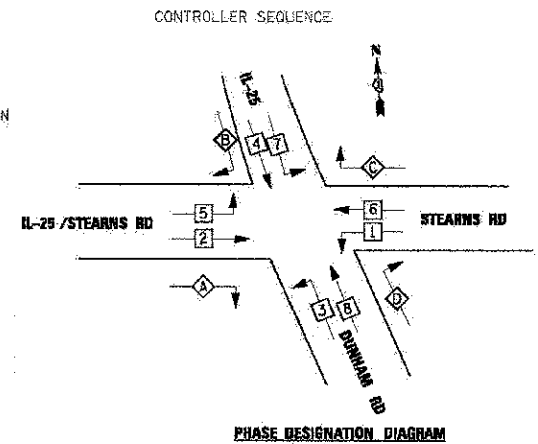
ENERGY COSTS TO: TOTAL = 531

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W. CENTER COURT
 SCHAMBURG, ILLINOIS 60196
 ENERGY SUPPLY CONTACT: MARTY RUBIN
 PHONE: 647-608-2400
 COMPANY: COMED

ALL DETECTOR LOOPS AT THIS INTERSECTION (INCLUDING SYSTEM DETECTORS) SHALL BE PREFORMED DETECTOR LOOPS (PLACED WITHIN THE ROAD PAVEMENT) PER IDOT DISTRICT 1 SPECIAL PROVISIONS.

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (C) POLE	20'4L-2#
E - M. ARM POLE	2 (0.6)	SIGNAL POST	2 (0.6)		6mH-0.6m
30" (750mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
36" (900 mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSH BUTTON	4 (1.2)
42" (1060 mm)	25 (7.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

CABLE PLAN



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

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

REDUCED MAST ARM LENGTHS, REVISED SIGNAL HEAD PLACEMENT AND ADDED FAR BACK LOOP IN RIGHT TURN LANES

FOR INFORMATION ONLY