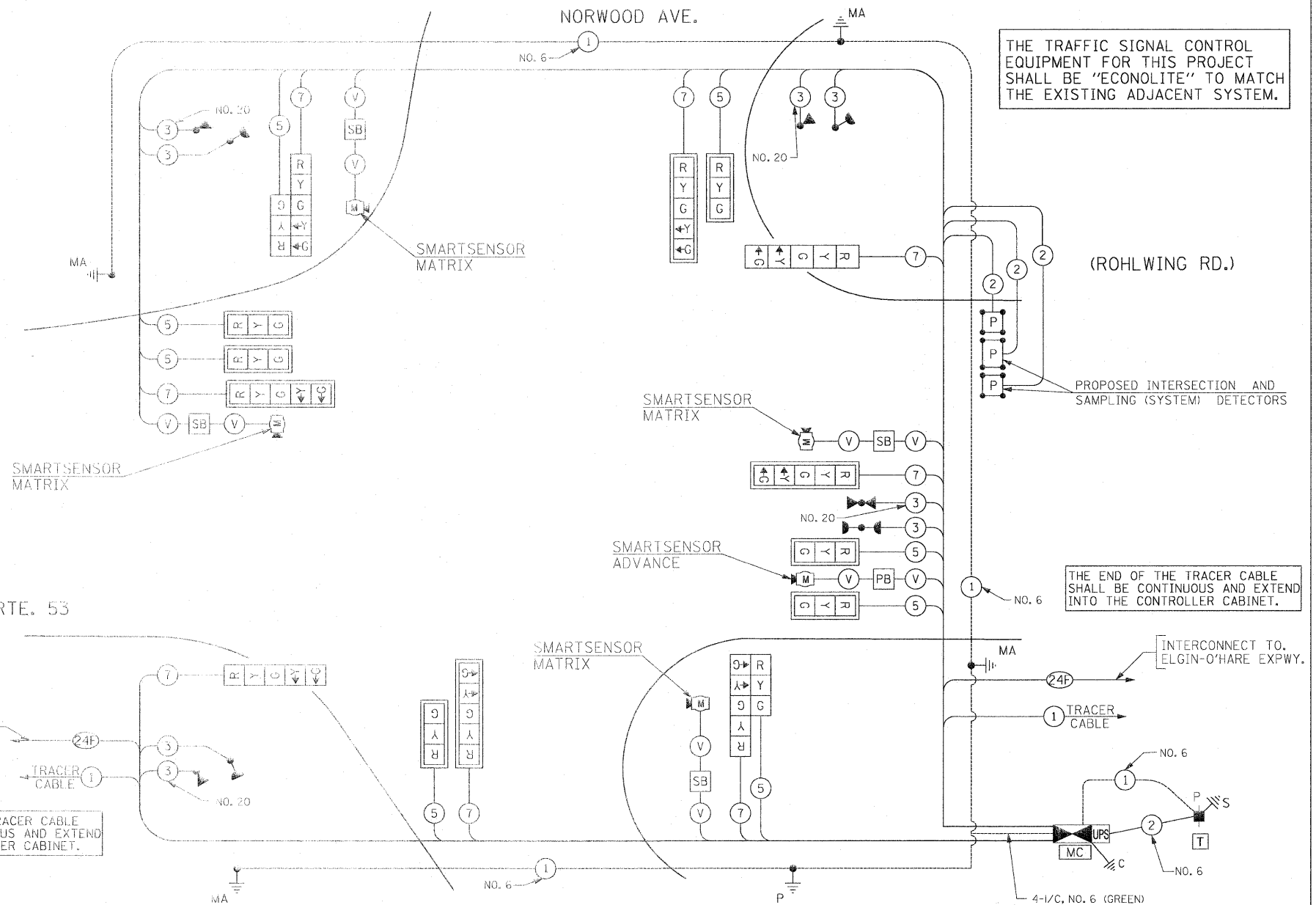


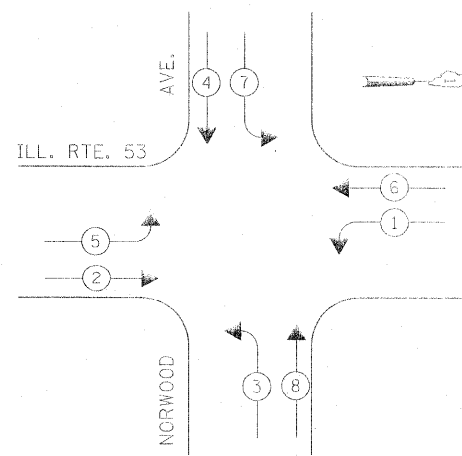
SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
31.5	SO FT	SIGN PANEL - TYPE 1
267	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
12	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
66	FOOT	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL
115	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
462	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
3	EACH	HANDHOLE
3	EACH	DOUBLE HANDHOLE
371	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL
1	EACH	TRANSCIEVER-FIBER OPTIC
930	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
2015	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1950	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1377	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
29	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 74 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
88	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
6	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
10	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
3	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	LIGHT DETECTOR
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
3	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT
1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	FOOT	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
8	FOOT	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
113	EACH	PREFORMED DETECTOR LOOP
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
1	EACH	UNINTERRUPTIBLE POWER SUPPLY
770	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
930	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
4	EACH	MICROWAVE VEHICLE SENSOR (SMARTSENSOR MATRIX)
1	EACH	MICROWAVE VEHICLE SENSOR (SMARTSENSOR ADVANCE)

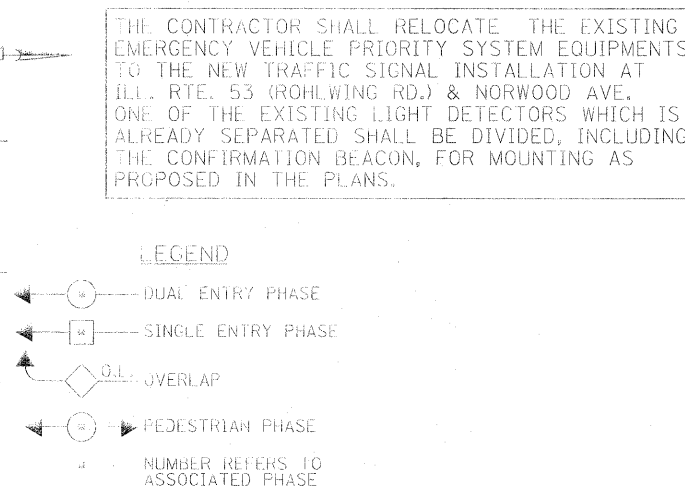
100% COST TO VILLAGE OF ITASCA



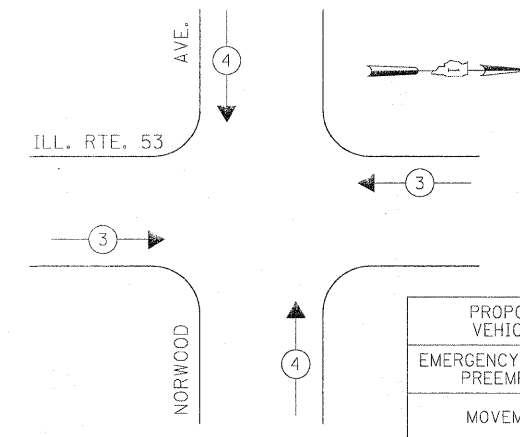
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		%OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16	135	17	0.50	136
(YELLOW)	16	135	25	0.25	100
(GREEN)	16	135	15	0.25	60
ARROW	16	135	12	0.10	19.2
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN			25	0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 415.2

VILLAGE OF ITASCA  
550 WEST IRVING PARK ROAD  
ITASCA, ILLINOIS 60143-1795

ENERGY SUPPLY CONTACT: CURTIS TOPPS  
PHONE: (630) 691-4356  
COMPANY: COMMONWEALTH EDISON