

SCHEDULE OF QUANTITIES

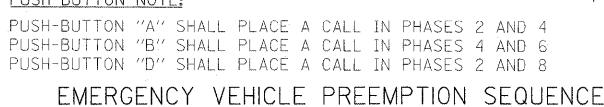
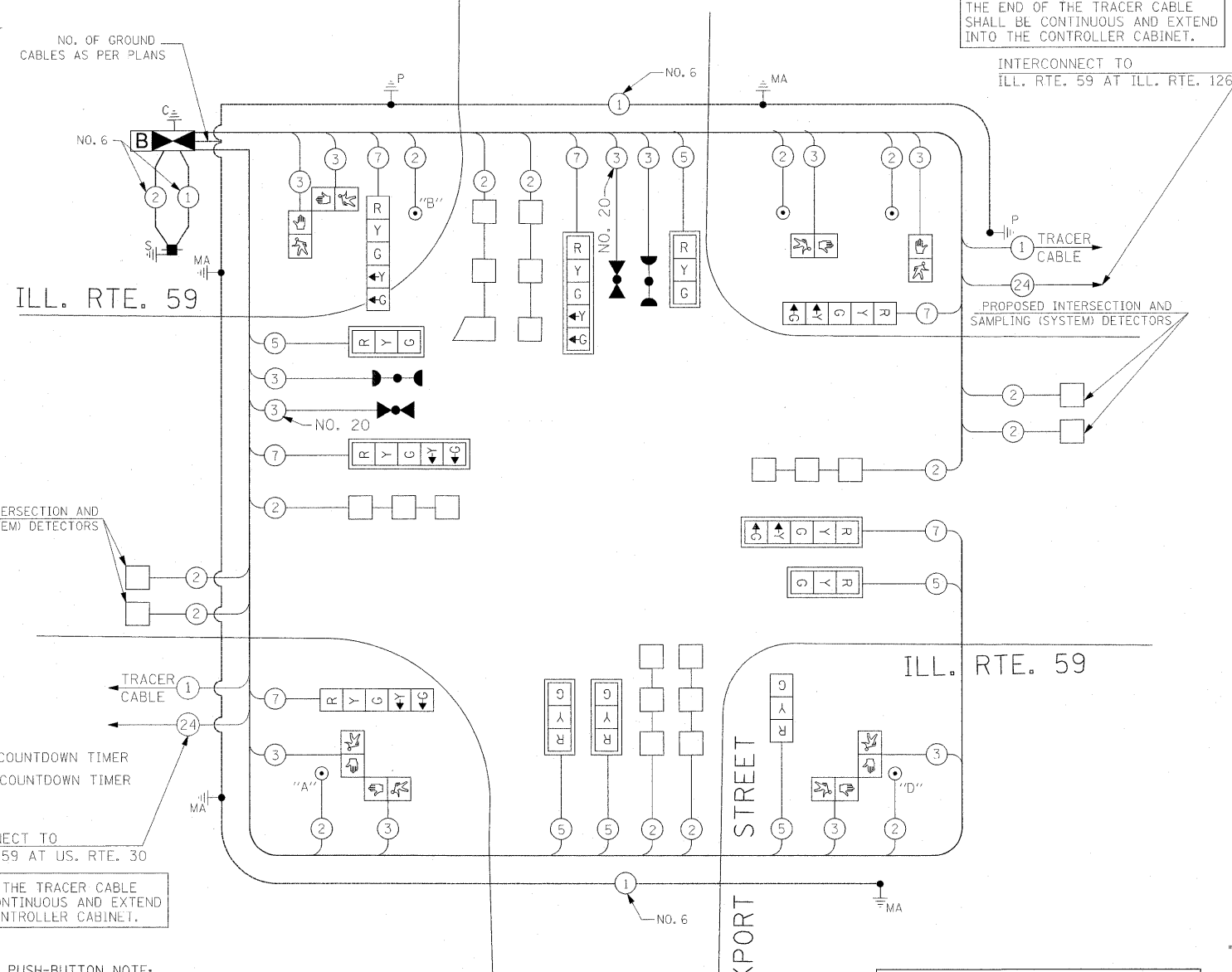
QUANTITY	UNIT	ITEM
31.5	SQ FT	SIGN PANEL - TYPE 1
432	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
51	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
76	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
114	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
232	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
6	EACH	HANDHOLE
2	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
657	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	TRANSCEIVER-FIBER OPTIC
756	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1514	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1142	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
976	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2376	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
26	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.
8	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
45	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
15	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
5	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
3	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
3	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
3	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
8	EACH	TRAFFIC SIGNAL BACKPLATE
10	EACH	INDUCTIVE LOOP DETECTOR
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
5	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
13	EACH	REMOVE EXISTING HANDHOLE
8	EACH	REMOVE EXISTING CONCRETE FOUNDATION
740	FOOT	PREFORMED DETECTOR LOOP
2	EACH	PAINT NEW TRAFFIC SIGNAL POST
3	EACH	PAINT NEW MAST ARM POLE, UNDER 40 FEET
1	EACH	PAINT NEW MAST ARM POLE, 40 FEET AND OVER
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
1	EACH	SERVICE INSTALLATION, POLE MOUNT
1	EACH	UNINTERRUPTABLE POWER SUPPLY (UPS)
465	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
258	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
* 100% COST TO VILLAGE OF PLAINFIELD		

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE	%OPERATION		
		INCAND.	LED		
SIGNAL (RED)	12	135	17	0.50	102.0
(YELLOW)	12	135	25	0.25	75.0
(GREEN)	12	135	15	0.25	45.0
ARROW	12	135	12	0.10	14.4
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN				0.05	

FLASHER	0.50	TOTAL =	536.4
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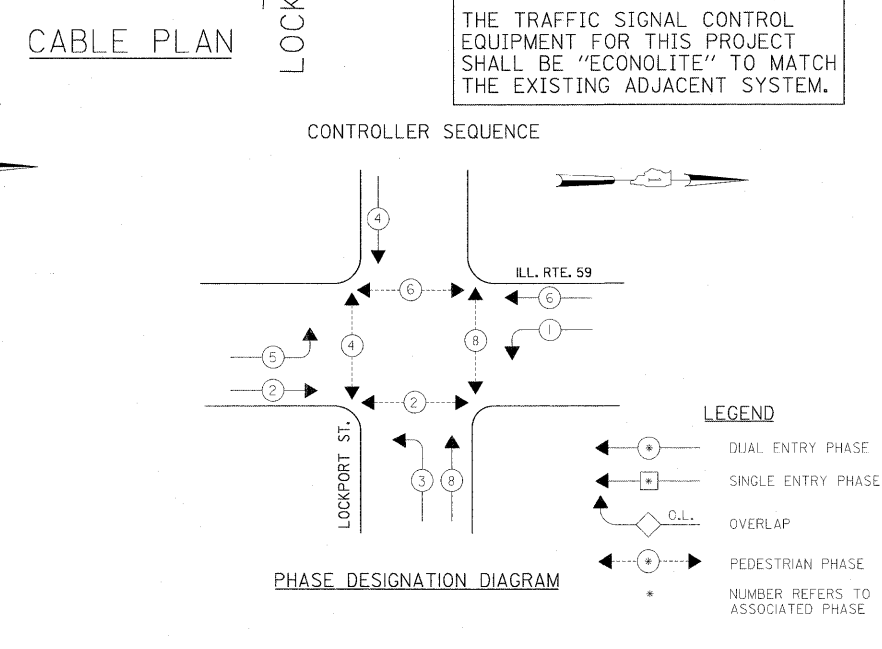
ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY CONTACT: MR. DALE BALLINGER
 PHONE: (815) 724-5717
 COMPANY: COMED

FILE NAME =	USER NAME = #USER#	DESIGNED - PKG, RRM	REVISED -
#FILE#		DRAWN - BB, ME, YB	REVISED -
		CHECKED - PKG, RRM	REVISED -
		DATE - 10/15/2008	REVISED -



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

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 (L) POLE	20'-L-2'-5"
E-M.ARM POLE		SIGNAL POST	2 (0.6)		(6m±L-0.6m)±
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		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

EXISTING	PROPOSED	DESCRIPTION
⊗	⊗	8" (200mm) TRAFFIC SIGNAL SECTION
⊗	⊗	12" (300mm) TRAFFIC SIGNAL SECTION
⊗	⊗	12" (300mm) PEDESTRIAN SIGNAL SECTION
⊗	⊗	12" (300mm) PEDESTRIAN SIGNAL SECTION
⊗	⊗	CONTROLLER CABINET
⊗	⊗	SERVICE INSTALLATION
⊗	⊗	TELEPHONE INSTALLATION
⊗	⊗	VEHICLE DETECTOR, INDUCTION LOOP
⊗	⊗	MAGNETIC DETECTOR
⊗	⊗	EMERGENCY VEHICLE LIGHT DETECTOR
⊗	⊗	CONFIRMATION BEACON
⊗	⊗	PUSH-BUTTON DETECTOR
⊗	⊗	2 DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
⊗	⊗	1 GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
⊗	⊗	24 FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F
⊗	⊗	SIGNAL FACE WITH BACKPLATE. *P* INDICATES PROGRAMMED HEAD.
E	⊗	RAILROAD CONTROL CABINET
E	⊗	ILLUMINATED SIGN, FIBER OPTIC 'NO LEFT TURN'
E	⊗	ILLUMINATED SIGN, FIBER OPTIC 'NO RIGHT TURN'
H/C	⊗	GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
P	⊗	GROUND ROD AT POST OR MAST ARM POLE
S	⊗	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
⊗	⊗	LOCAL AND MASTER CONTROLLER
⊗	⊗	MICROWAVE VEHICLE SENSOR
⊗	⊗	UPS-BATTERY BACK-UP

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

THE TRAFFIC SIGNAL WORK IN THIS CONTRACT SHALL BE COORDINATED WITH IDOT CONTRACT 62417.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
 ILLINOIS ROUTE 59 AT US. LOCKPORT STREET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	113 N-2	WILL	260	195
CONTRACT NO. 60E73			FAP 338 (IL RTE. 59)	