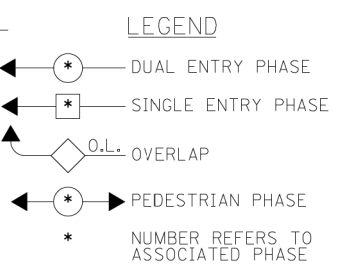
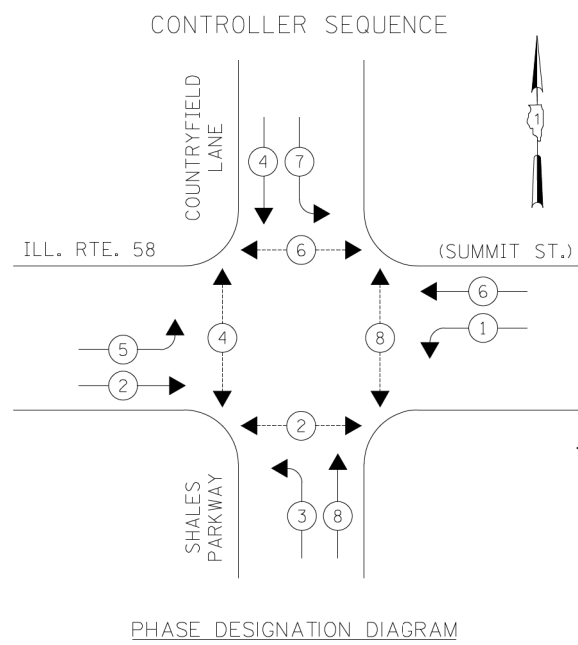
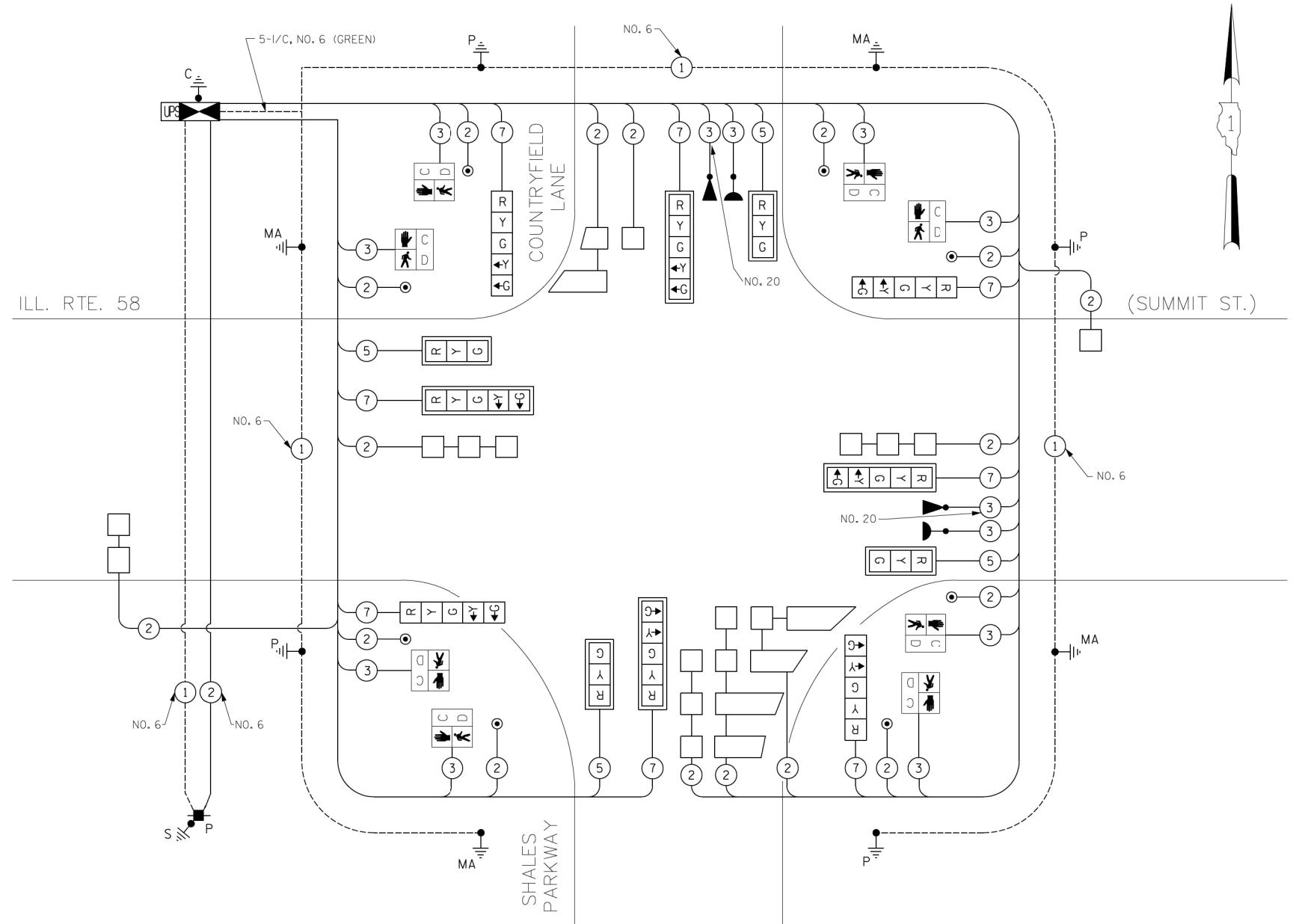


SCHEDULE OF QUANTITIES

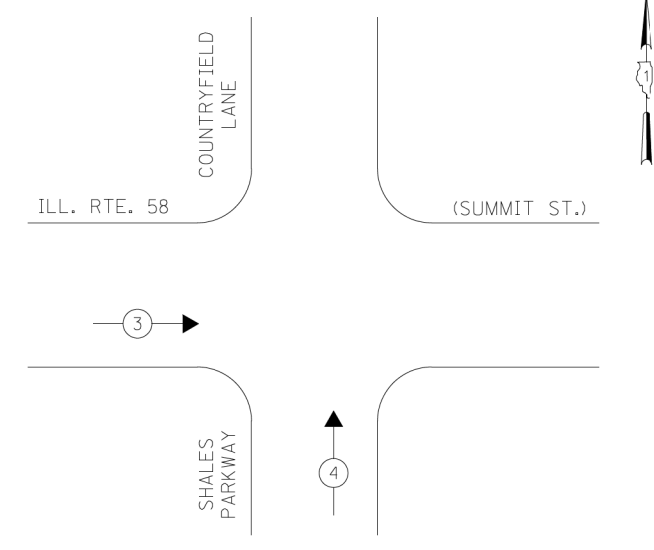
QUANTITY	UNIT	ITEM
18	SQ FT	SIGN PANEL-TYPE 1
50	SQ FT	SIGN PANEL-TYPE 2
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
851	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
58	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
103	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
414	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
3	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
1245	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1810	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
781	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1463	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1860	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
132	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
829	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.
16	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
10	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
37	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
8	EACH	PEDESTRIAN SIGNAL HEAD, LED 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
9	EACH	INDUCTIVE LOOP DETECTOR
885	FOOT	DETECTOR LOOP, TYPE I
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
510	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED

• 100% COST TO CITY OF ELGIN



CABLE PLAN

EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		%OPERATION	
SIGNAL (RED)	12	INCAND.	LED	0.50	102.0
(YELLOW)	12			0.25	75.0
(GREEN)	12			0.25	45.0
ARROW	16			0.10	19.2
PED. SIGNAL	8			1.00	200.0
CONTROLLER	1			1.00	100.0
ILLUM. SIGN	-			0.05	-
FLASHER				0.50	-
ENERGY COSTS TO:				TOTAL =	541.2
CITY OF ELGIN 150 DEXTER COURT ELGIN, ILLINOIS 60120-5570					
ENERGY SUPPLY CONTACT: KATHY NYSTROM PHONE: (847) 608-2331 COMPANY: COMMONWEALTH EDISON					

FILE NAME =	USER NAME = plascencia	DESIGNED - EA, PKG	REVISED - IP 01/19/12
		DRAWN - EA	REVISED -
		CHECKED - PKG	REVISED -
		DATE - 08/31/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 58 (SUMMIT STREET) AT SHALES PARKWAY/COUNTRYFIELD LANE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1320	581-N-1	COOK	50	30
CONTRACT NO. 60L43				
FED. ROAD DIST. NO. ... ILLINOIS FED. AID PROJECT				

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.