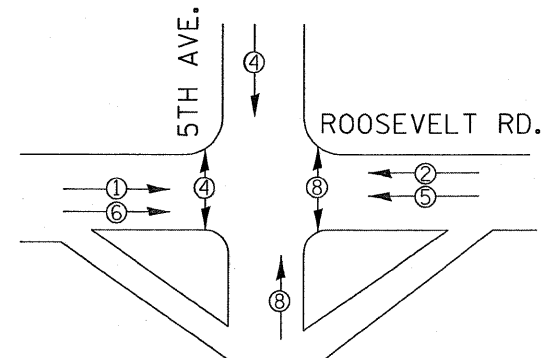


CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



LEGEND

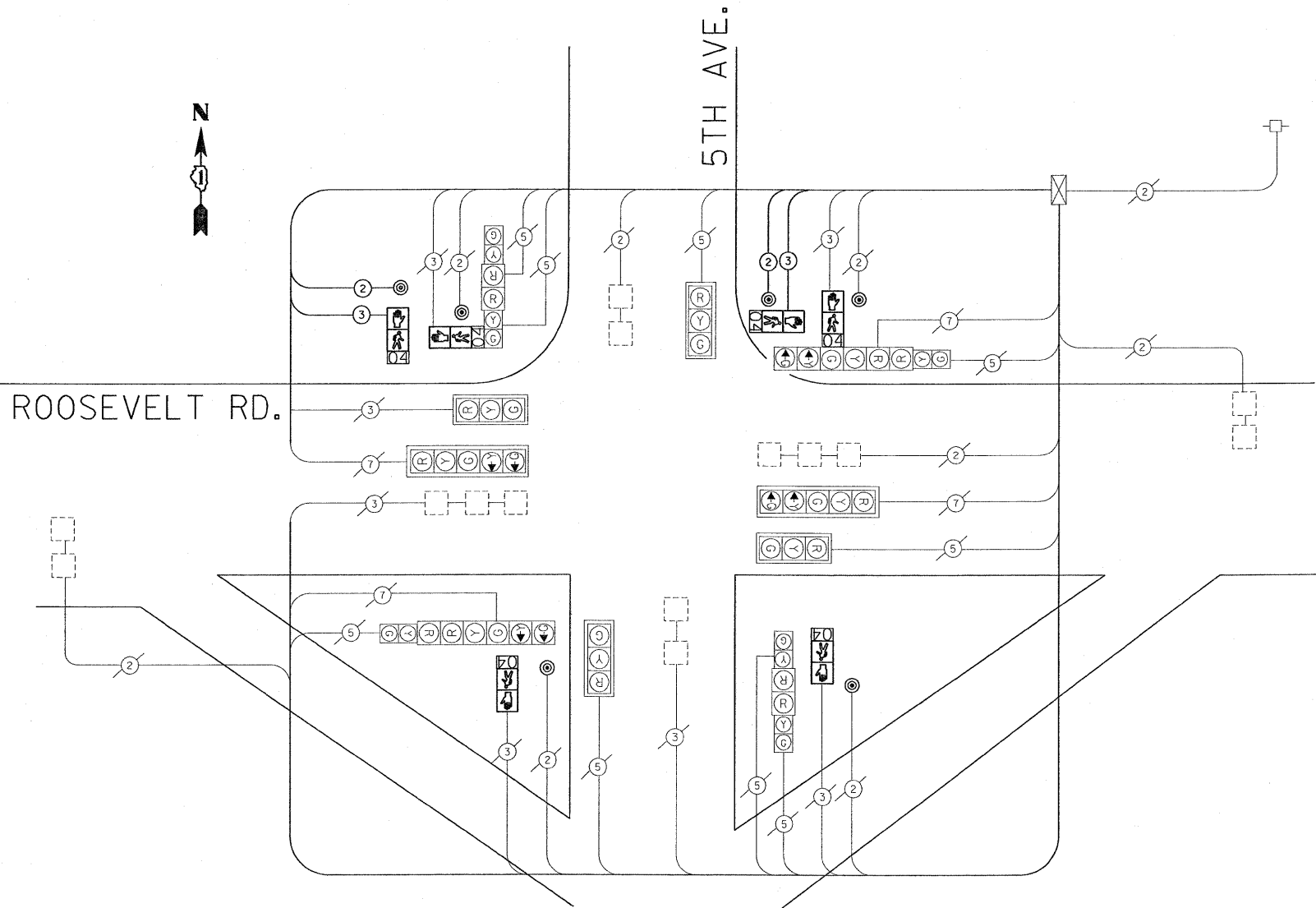
- ⊕ DUAL ENTRY PHASE
- ⊙ SINGLE ENTRY PHASE
- OL OVERLAP
- ⊙ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

SCHEDULE OF QUANTITIES

ITEM

UNIT QUANTITY

THERMOPLASTIC PAVEMENT MARKING LINE 12"	FOOT	300
THERMOPLASTIC PAVEMENT MARKING LINE 24"	FOOT	32
THERMOPLASTIC PAVEMENT MARKING REMOVAL	FOOT	295
SIDEWALK REMOVAL	FOOT	322
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	FOOT	322
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	25
MODIFY EXISTING CONTROLLER	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 14 2C	FOOT	160
ELECTRIC CABLE IN CONDUIT NO. 14 3C	FOOT	185
CONCRETE FOUNDATION, TYPE A	FOOT	8
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRKT. MNTD. with COUNTDOWN TIMER	EACH	6
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
DETECTABLE WARNING	FOOT	104



CABLE PLAN LEGEND

	PROPOSED	EXISTING		PROPOSED	EXISTING
CONTROLLER CABINET	[Symbol]	[Symbol]	12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE	[Symbol]	[Symbol]
RAILROAD CONTROL CABINET	[Symbol]	[Symbol]		[Symbol]	[Symbol]
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT	[Symbol]	[Symbol]	12" (300mm) TRAFFIC SIGNAL SECTION	[Symbol]	[Symbol]
TELEPHONE CONNECTION	[Symbol]	[Symbol]	12" (300mm) PEDESTRIAN SIGNAL SECTION with COUNTDOWN TIMER	[Symbol]	[Symbol]
GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE	[Symbol]	[Symbol]	ILLUMINATED SIGN "NO LEFT TURN"	[Symbol]	[Symbol]
FIBER OPTIC CABLE IN CONDUIT, NUMBER OF FIBERS AS NOTED	[Symbol]	[Symbol]	ILLUMINATED SIGN "NO RIGHT TURN"	[Symbol]	[Symbol]
ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED	[Symbol]	[Symbol]	PUSHBUTTON DETECTOR	[Symbol]	[Symbol]
GROUND CABLE IN CONDUIT NO. 6 COPPER (GREEN)	[Symbol]	[Symbol]	DETECTOR LOOP	[Symbol]	[Symbol]
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD	[Symbol]	[Symbol]	PREFORMED DETECTOR LOOP	[Symbol]	[Symbol]
			MICROWAVE VEHICLE SENSOR	[Symbol]	[Symbol]
			VIDEO DETECTOR	[Symbol]	[Symbol]
			CLOSED CIRCUIT TV	[Symbol]	[Symbol]
			EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]	[Symbol]
			CONFIRMATION BEACON	[Symbol]	[Symbol]
			UNINTERRUPTIBLE POWER SUPPLY	[Symbol]	[Symbol]

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	14	135		0.50	945.00
(YELLOW)	14	135		0.25	472.50
(GREEN)	14	135		0.25	472.50
ARROW	8	135		0.10	108.00
PED. SIGNAL	4	90		1.00	360.00
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN		84		0.05	
TOTAL =					2458

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' (6m+L-0.6m)=
E - M. ARM POLE		SIGNAL POST	2 (1.0)		
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)
36" (900mm)	15 (4.6)	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)

ENERGY COSTS TO: TOTAL = 2458
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 ENERGY SUPPLY CONTACT: COMPANY: COM. EDISON
 PHONE: 708-410-5069

FILE NAME = USER NAME =
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISOR -
 REVISION -
 REVISION -
 REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM
 ROOSEVELT RD. AT 5TH AVE.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2009-094 TS	COOK	14	10
CONTRACT NO. 60151				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.