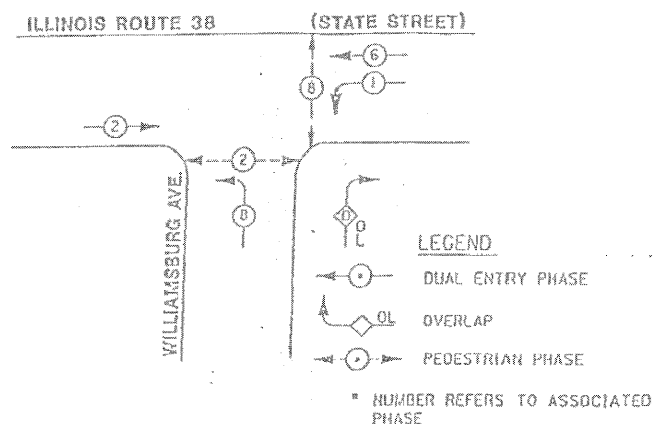
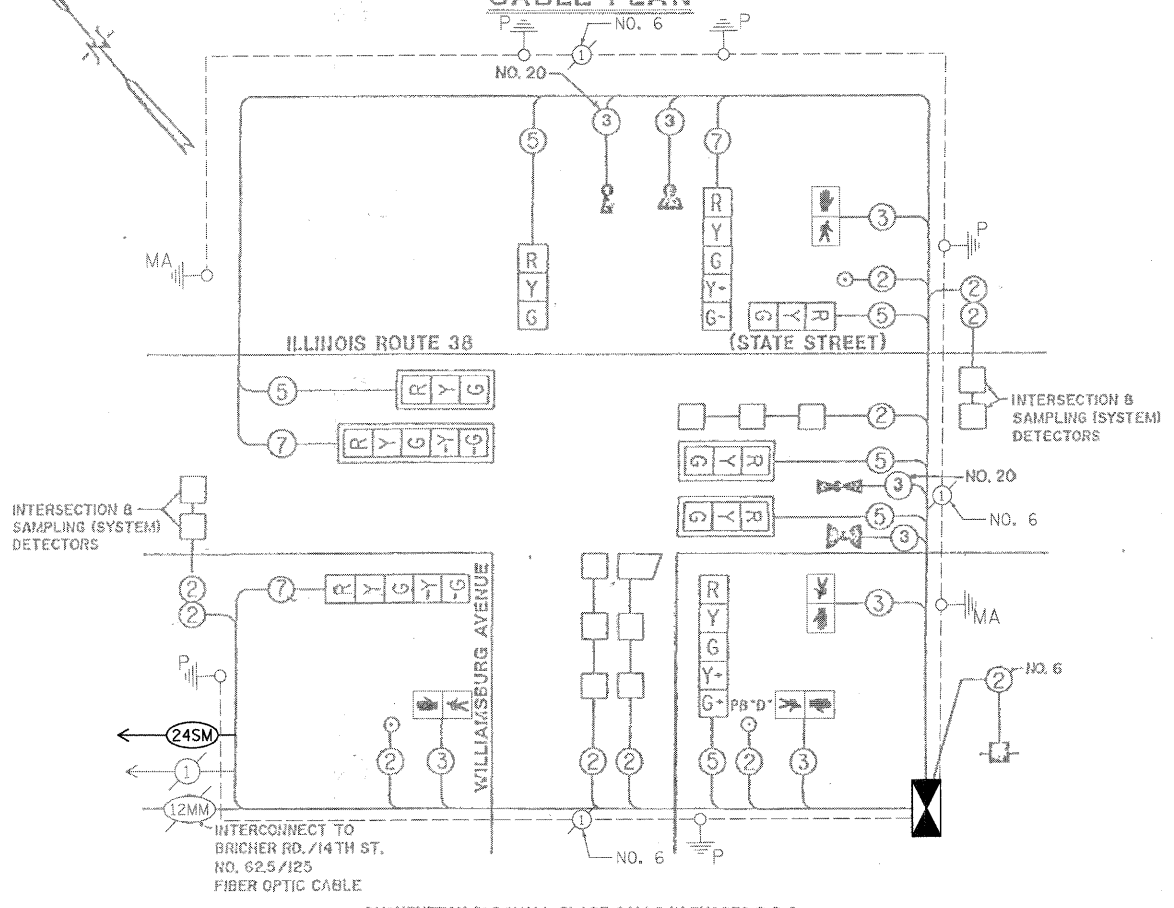


CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

CABLE PLAN



PUSHBUTTON "D" SHALL PLACE CALLS IN PHASES 2 & 8

CABLE PLAN LEGEND

- 8" TRAFFIC SIGNAL SECTION
- 12" TRAFFIC SIGNAL SECTION
- 12" PEDESTRIAN SIGNAL SECTION
- CONTROLLER CABINET
- SERVICE INSTALLATION
- VEHICLE DETECTOR, INDUCTION LOOP
- PUSHBUTTON DETECTOR
- INDICATES EXISTING CABLE
- SIGNAL FACE WITH BACKPLATE
- "P" INDICATES PROGRAMMED
- "L" INDICATES LOWERED
- EXISTING SIGNAL SECTION
- MAGNETIC DETECTOR
- OPTICAL DETECTOR
- DI-DIRECTIONAL (SPLIT) OPTICAL DETECTOR HEAD
- TELEPHONE CONNECTION
- CONFIRMATION BEACON

CONSTRUCTION NOTE:
 ① REMOVE EXISTING CONTROLLER AND CABINET. INSTALL NEW CONTROLLER AND TYPE IV CABINET ON EXISTING FOUNDATION.

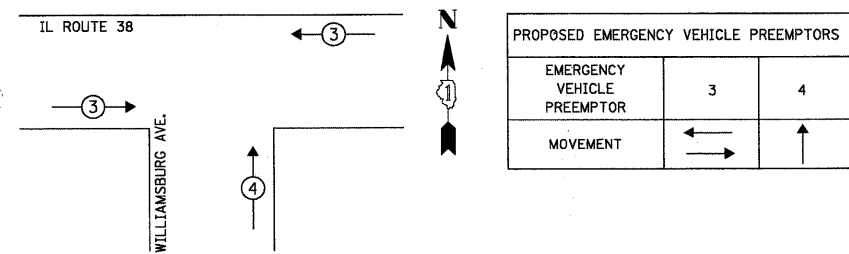
SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	7
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ETHERNET MANAGED SWITCH, TYPE 1	EACH	1

RIGHT TURN OVERLAP PHASE DESIGNATION



EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑

TYPE	NO. OF LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		XINCAND.	LED		
SIGNAL (RED)	9	135		0.50	607.50
(YELLOW)	9	135		0.25	303.75
(GREEN)	9	135		0.25	303.75
ARROW	8	135		0.10	108.00
PED. SIGNAL	4	90		1.00	360.00
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN	-	252		0.05	-
VIDEO SYSTEM	-	150		1.00	-
BATTERY BACKUP SYSTEM					
FLASHER	-			0.50	-
ENERGY COSTS TO:				TOTAL =	1783.00

CITY OF ST. CHARLES
 2 E. MAIN STREET
 ST CHARLES, IL 60174
 ENERGY SUPPLY: CONTACT: CITY OF ST. CHARLES
 PHONE: (630) 377-4400
 COMPANY: CITY OF ST. CHARLES

DATE: _____ BY: _____
 SURVEYED: _____
 ALIGNED: _____
 CHECKED: _____
 P.T. OF WAY CHECKED: _____
 ROAD FILE NAME: _____
 PLAN NO.: _____
 DATE: _____ BY: _____
 SURVEYED: _____
 ALIGNED: _____
 CHECKED: _____
 P.T. OF WAY CHECKED: _____
 ROAD FILE NAME: _____
 PROFILE NO.: _____