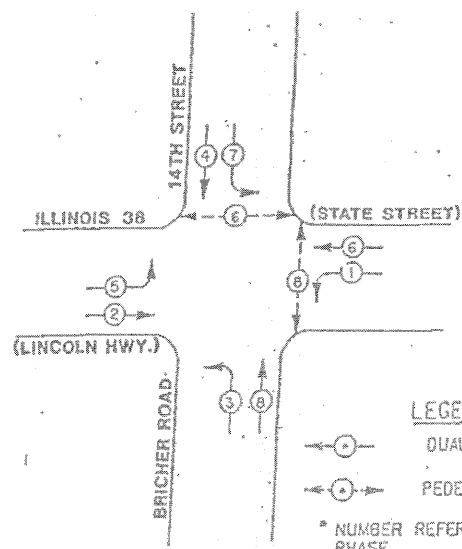
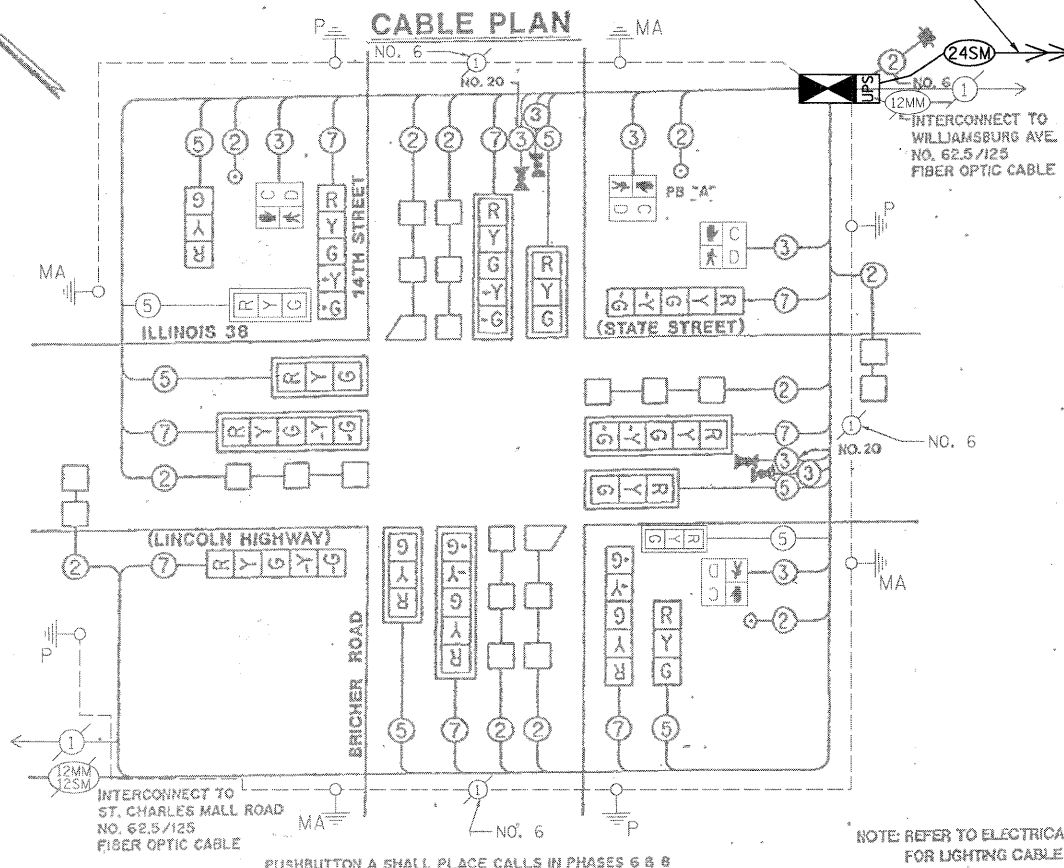


CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



CABLE PLAN LEGEND

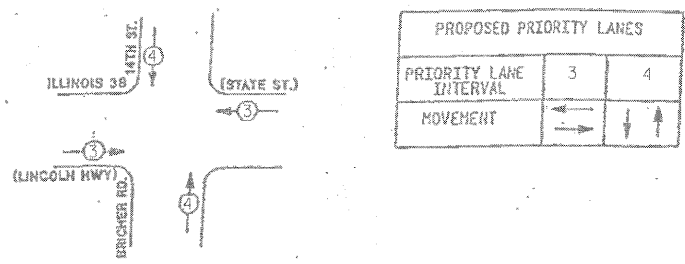
- [8"] 8" TRAFFIC SIGNAL SECTION
- [12"] 12" TRAFFIC SIGNAL SECTION
- [W] 12" PEDESTRIAN SIGNAL SECTION
- [C] CONTROLLER CABINET
- [S] SERVICE INSTALLATION
- [V] VEHICLE DETECTOR, INDUCTION LOOP
- [P] PUSHBUTTON DETECTOR
- [N] DENOTES NUMBER OF CONDUCTORS (CIRCS). ALL LOOP DETECTOR CABLE TO BE SHIELDED, ALL CABLE NO. 14 EXCEPT AS INDICATED.
- [2] INDICATES EXISTING CABLE
- [R] SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED. "L" INDICATES LOWERED
- [R] EXISTING SIGNAL SECTION
- [M] MAGNETIC DETECTOR
- [L] LIGHT DETECTOR
- [B] BI-DIRECTIONAL (SPLIT) LIGHT DETECTOR HEAD
- [B] CONFIRMATION BEACON

- CONSTRUCTION NOTES:
- REMOVE EXISTING CONTROLLER AND CABINET. INSTALL NEW CONTROLLER AND TYPE IV CABINET ON EXISTING FOUNDATION.
 - UPGRADE EXISTING UNINTERRUPTIBLE POWER SUPPLY TO ETHERNET AND RELOCATE EXISTING UNINTERRUPTIBLE POWER SUPPLY IN NEW CABINET ENCLOSURE.
 - LIGHTING CONTROLLER IS ATTACHED TO EXISTING TRAFFIC SIGNAL CABINET AND SHALL BE CONNECTED TO THE PROPOSED TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE INCLUDED IN THE COST FOR THE PAY ITEM: FULL-ACTUATED CONTROLLER AND TYPE IV CABINET.

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	8
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UPGRADE EXISTING UPS BATTERY BACK-UP SYSTEM	EACH	1
UPS BATTERY BACK-UP CABINET	EACH	1
ETHERNET MANAGED SWITCH, TYPE 1	EACH	1

EMERGENCY VEHICLE PREEMPTION SEQUENCE NOTES



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	
SIGNAL (RED)	15		17	0.50	127.50
(YELLOW)	15		25	0.25	93.75
(GREEN)	15		15	0.25	56.25
ARROW	16		12	0.10	19.20
PED. SIGNAL	4		25	1.00	100.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	-		-	1.00	-
BATTERY BACKUP SYSTEM					
FLASHER	-		-	0.50	-
TOTAL =					496.70

ENERGY COSTS TO: TOTAL = 496.70

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: _____ PLOTTED: _____
 CHECKED: _____ ALIGNED: _____
 NOTE BOOK: _____ NO. _____
 STRUCTURE: NOTATIONS OK

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL ROUTE 38 AND BRICHER / 14th STREET

DEPARTMENT OF TRANSPORTATION
 CONTROLLER SEQUENCE IV
 EMERGENCY VEHICLE PREEMPTION SEQUENCE
 CABLE PLAN
 SCHEDULE OF QUANTITIES
 IL. 38 & 14TH / BRICHER RD.
 DRAWN BY CJS
 CHECKED BY RAC
 DATE 3/2/94

FILE NAME =	USER NAME = FPACIONE	DESIGNED - ABR	REVISED -
Ne\konecounty\082673\1-office\051_CAB_IL38-Bricher.dgn		DRAWN - FCP	REVISED -
	PLOT SCALE = NOT TO SCALE	CHECKED - MJT	REVISED -
	PLOT DATE = 11/3/2010	DATE - AUGUST 31, 2010	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	09-00237-02-TL	KANE	100	51
CONTRACT NO. 63525				ILLINOIS FED. AID PROJECT