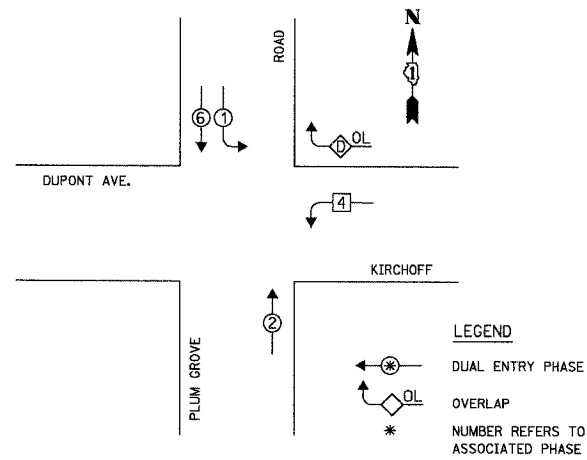


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2585	97-00071-00-PV	COOK	116	65
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

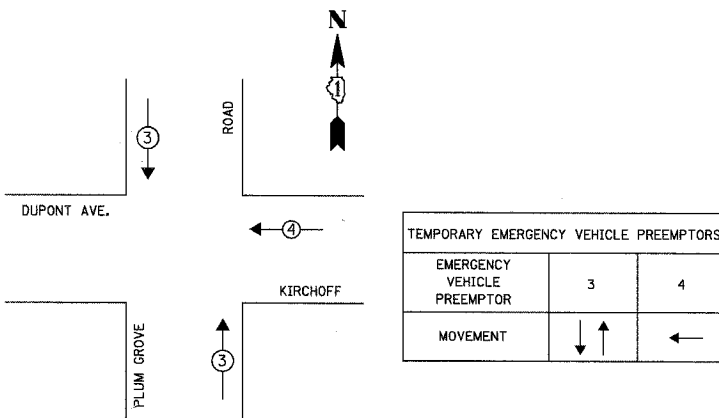
TEMPORARY CONTROLLER SEQUENCE



STAGE I TEMPORARY PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 4	+ 1

STAGE I EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY CABLE DIAGRAM LEGEND

- [R] TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- [X] TEMPORARY CONTROLLER CABINET
- [+] TEMPORARY SERVICE INSTALLATION
- (5) INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- [V] EMERGENCY VEHICLE LIGHT DETECTOR
- [B] CONFIRMATION BEACON
- [□] VEHICLE DETECTOR, INDUCTION LOOP
- [○] PEDESTRIAN PUSHBUTTON DETECTOR
- [P] 12" (300mm) PEDESTRIAN SIGNAL SECTION
- [M] MACHINE VISION PROCESSOR
- [V] VIDEO DETECTION CABLE(S) AS REQUIRED BY THE VIDEO EQUIPMENT MANUFACTURER

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE EASTBOUND SIGNAL HEADS AND EMERGENCY VEHICLE PREEMPTOR DURING STAGE I FOR KIRCHOFF ROAD.
- ② THE CONTRACTOR SHALL BAG AND DISABLE THE YELLOW AND GREEN ARROW SECTIONS OF NORTHBOUND SIGNAL HEADS DURING STAGE I FOR PLUM GROVE ROAD.

ESTIMATED BILL OF MATERIALS
 TEMPORARY TRAFFIC SIGNAL INSTALLATION
 PLUM GROVE ROAD AT KIRCHOFF ROAD - DUPONT AVENUE
 STAGES I, II AND III

ITEM	UNIT	QUANTITY
WOOD POLE	EACH	5
SIGNAL HEAD, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	3
SIGNAL HEAD, 1-FACE, 4-SECTION, SPAN WIRE MOUNTED	EACH	4
SIGNAL HEAD, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED	EACH	6
SPAN WIRE	FOOT	570
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 3C	FOOT	690
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	860
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C	FOOT	2440
ELECTRIC CABLE AERIAL SUSPENDED, COMMUNICATION, NO. 16 5 1/2 PAIR	FOOT	690
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	360
ELECTRIC CABLE AERIAL SUSPENDED, NO. 20 3C, TWISTED, SHIELDED	FOOT	870
CONTROLLER AND CABINET	EACH	1
SERVICE INSTALLATION	EACH	1
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
VIDEO DETECTION SYSTEM	EACH	1

- NOTES:
1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.
 2. ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCIDENTAL OF THE TEMPORARY TRAFFIC INSTALLATION.

TYPE	NO. OF LAMPS	WATTAGE XINCAND. LED X % OPERATION	TOTAL WATTAGE	
SIGNAL (RED)	10	135	0.50	675.00
(YELLOW)	10	135	0.25	337.50
(GREEN)	10	135	0.25	337.50
ARROW	10	135	0.10	135.00
PED. SIGNAL	-	90	1.00	-
CONTROLLER	1	100	1.00	100.00
ILLUM. SIGN	-	252	0.05	-
FLASHER	-	-	0.50	-

ENERGY COSTS TO: TOTAL = 1585.00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY: CONTACT: JOAN COOK
 PHONE: (847) 816-5461
 COMPANY: COMMONWEALTH EDISON

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'-H-2=	
C - M. ARM POLE			SIGNAL POST	2	(1.0)		(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)

DATE	
BY	
PROJECT	
NO.	

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9875 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DATE	
BY	
PROJECT	
NO.	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE STAGE I	
		PLUM GROVE ROAD AND KIRCHOFF RD. / DUPONT AVE., ROLLING MEADOWS, ILLINOIS	
		SCALE: NOT TO SCALE	DRAWN BY: FBP
			DESIGNED BY: ABR
			CHECKED BY: GMZ
		DATE: 6/9/2006	