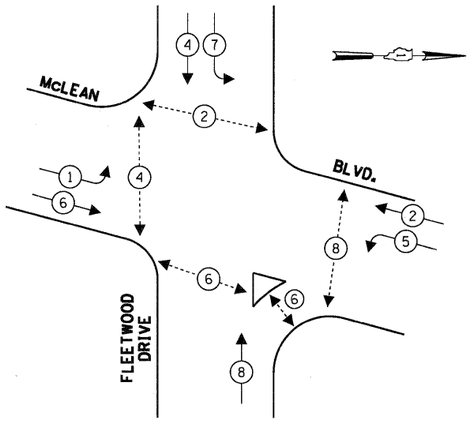
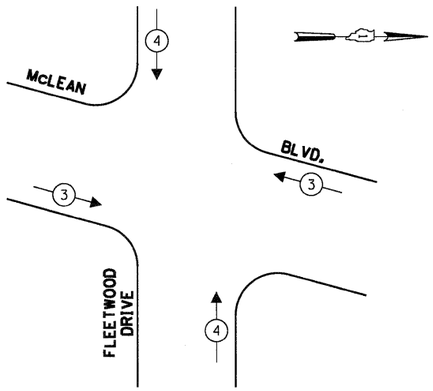
CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

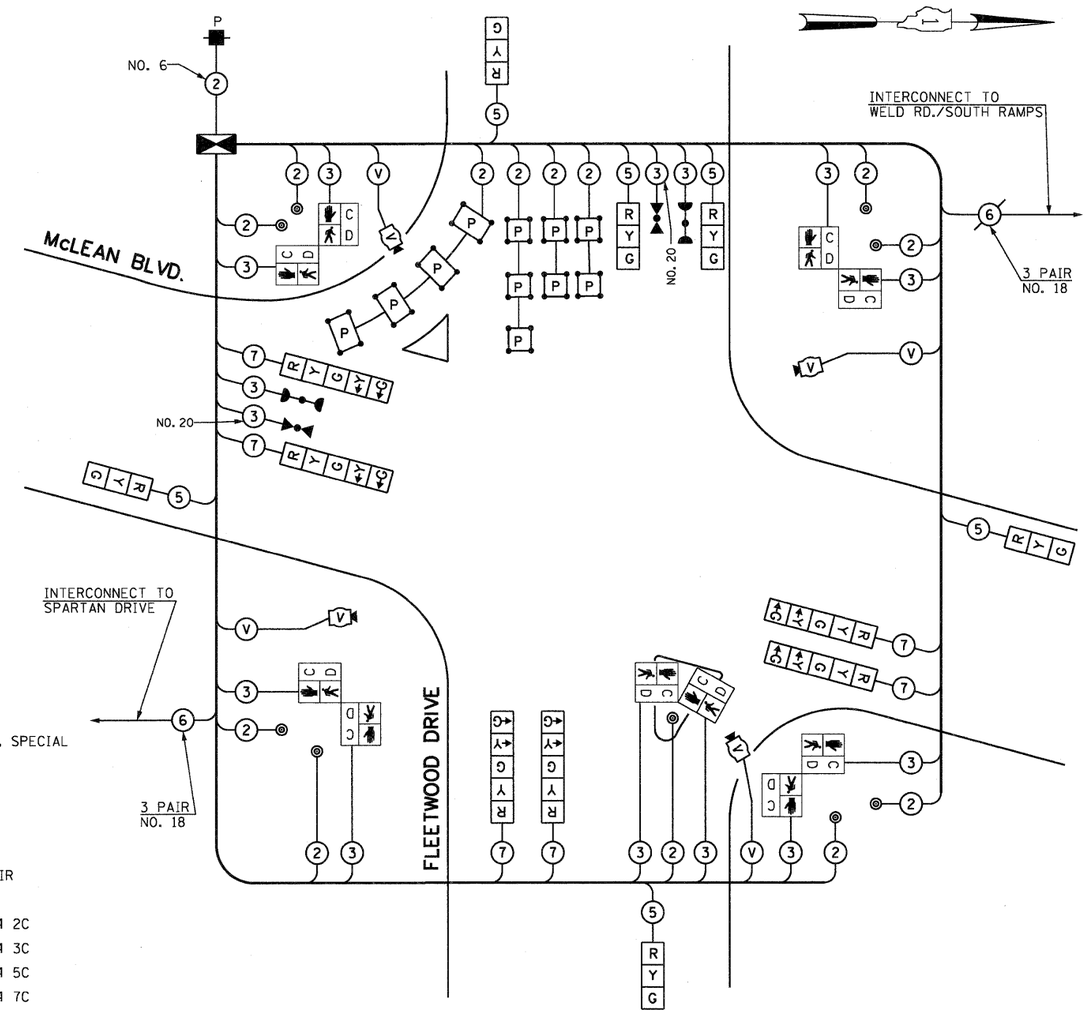
THE DETECTOR LOOPS SHALL HAVE LEAD IN CABLES INSTALLED BETWEEN THE TEMPORARY TRAFFIC SIGNAL CONTROLLER AND THE APPLICABLE HANDHOLES. THE LOOPS TO BE UTILIZED AT THE END OF THIS CONTRACT SHALL BE ACTIVATED AS SHOWN IN THE PLAN AND AS DIRECTED BY THE ENGINEER.

UPON ACCEPTANCE OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION WORK BY THE STATE, THIS TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL BECOME THE PROPERTY OF THE STATE AND SHALL REMAIN IN PLACE.

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
117	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
50	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
76	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
1	EACH	HEAVY-DUTY HANDHOLE
1	EACH	DOUBLE HANDHOLE
162	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	TRANSCEIVER
552	FOOT	SPAN WIRE
552	FOOT	TETHER WIRE
* 238	FOOT	ELECTRIC CABLE AERIAL SUSPENDED NO. 20 3/C, TWISTED, SHIELDED
374	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
120	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
2027	FOOT	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 2C
2449	FOOT	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 3C
1078	FOOT	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C
1191	FOOT	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C
4	FOOT	CONCRETE FOUNDATION, TYPE C
6	EACH	SIGNAL HEAD LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED
6	EACH	SIGNAL HEAD LED, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED
12	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
3	EACH	INDUCTIVE LOOP DETECTOR
477	FOOT	PREFORMED DETECTOR LOOP
* 2	EACH	LIGHT DETECTOR
* 1	EACH	LIGHT DETECTOR AMPLIFIER
10	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
9	EACH	REMOVE EXISTING HANDHOLE
9	EACH	REMOVE EXISTING CONCRETE FOUNDATION
4	EACH	TEMPORARY WOOD POLE, 45 FEET, CLASS 5
1	EACH	VIDEO VEHICLE DETECTION SYSTEM
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
4	EACH	TEMPORARY WOOD POLE, 25 FEET, CLASS 4

* 100% COST TO CITY OF ELGIN



TEMPORARY CABLE PLAN

(NOT TO SCALE)

NOTE: THE PEDESTRIAN SIGNAL HEADS AND PUSH-BUTTON IN THE NORTHWEST AND NORTHEAST CORNERS SHALL BE MOUNTED ON SHORTER (25 FT.) WOOD POLE WITH CABLE CONNECTIONS AS SHOWN IN THE PLANS.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "**MULTISONICS 820A**" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
TYPE	NO LAMPS	x WATTAGE INCAND.	WATTAGE LED	x %OPERATION		
SIGNAL (RED)	12	135	17	0.50		102
(YELLOW)	12	135	25	0.25		75
(GREEN)	12	135	15	0.25		45
ARROW	12	135	12	0.10		14.4
PED. SIGNAL	10	90	25	1.00		250
CONTROLLER	1	100	100	1.00		100
ILLUM. SIGN				0.05		
VIDEO SYSTEM	1	150		1.00		150
FLASHER				0.50		
ENERGY COSTS TO:				TOTAL =		736.4

CITY OF ELGIN
150 DEXTER COURT
ELGIN, ILLINOIS 60120-5570

ENERGY SUPPLY CONTACT: ELLIE SARALLO
PHONE: (630) 424 5124
COMPANY: COMMONWEALTH EDISON

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - PKG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES McLEAN BOULEVARD AT FLEETWOOD DRIVE (SHEET 4 OF 6)
		DRAWN - MAA, EA	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - PKG	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.
	PLOT DATE = $DATE$	DATE - 5/18/2011	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-HB-2-BY-1	KANE	434	220
		CONTRACT NO. 60K90		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		