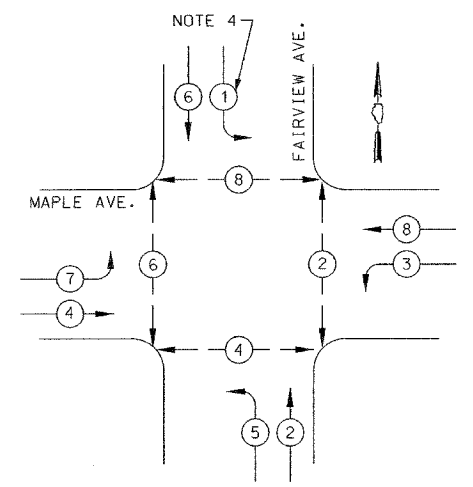
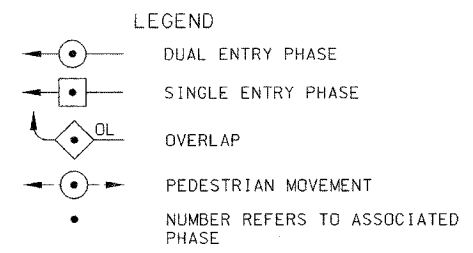


EXISTING CONTROLLER SEQUENCE

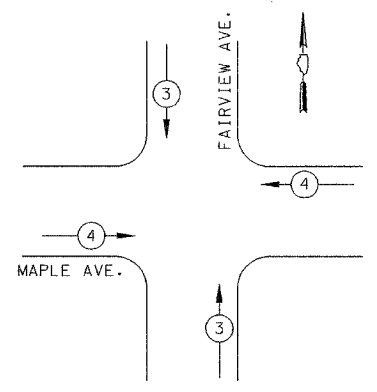


PHASE DESIGNATION DIAGRAM

- NOTES: 1) PHASE 5 OMITTED EXCEPT DURING THE A.M. PEAK HOUR.  
 2) PHASE 1 OMITTED EXCEPT DURING THE P.M. PEAK HOUR.  
 3) WHEN QUEUED TRAFFIC ON SOUTHBOUND FAIRVIEW IS DETECTED, PHASES 3 AND 6 SHALL BE OMITTED FROM SEQUENCE. BLANK-OUT SIGNS SHALL CONCURRENTLY BE ACTIVATED.



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

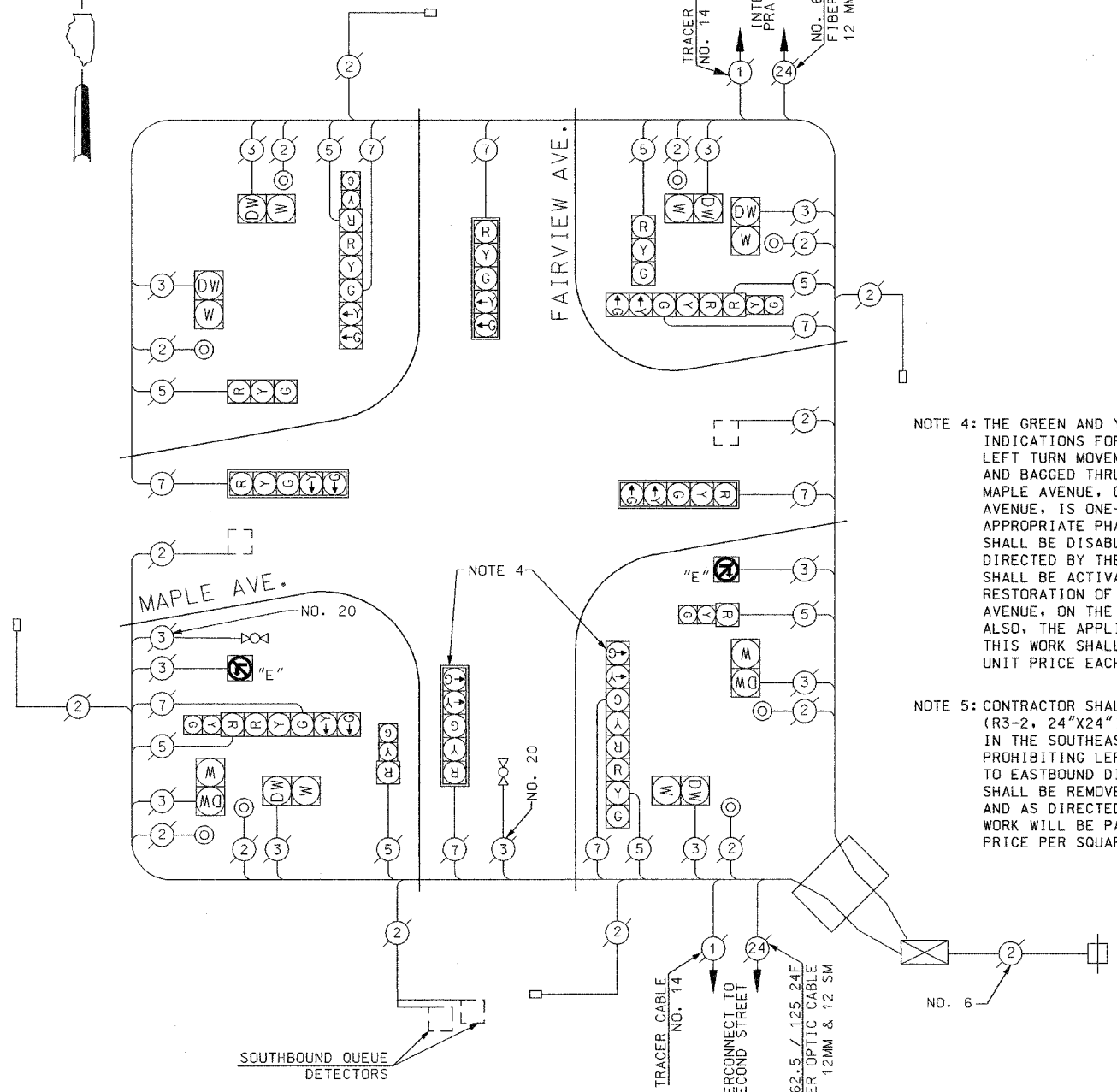


PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑	→

CABLE PLAN LEGEND

	EXISTING	PROPOSED
8" TRAFFIC SIGNAL SECTION		
12" TRAFFIC SIGNAL SECTION		
12" PEDESTRIAN SIGNAL SECTION		
12" PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER		
CONTROLLER CABINET		
SERVICE INSTALLATION		
TELEPHONE CONNECTION		
MAGNETIC DETECTOR		
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
PUSHBUTTON DETECTOR		
VEHICLE DETECTOR, INDUCTION LOOP		
DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.		
SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD.		
RAILROAD CONTROL CABINET		
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"		
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"		
GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER		
GROUND ROD AT POST OR MAST ARM POLE		
GROUND ROD AT ELECTRICAL SERVICE INSTALLATION		
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F & SM12F		
LUMINAIRE, 250 W HPS		

NOTE: THE END OF THE TRACER CABLE SHALL BE TIED TO A CABLE HOOK IN THE DOUBLE HANDHOLE CLOSEST TO THE CONTROLLER FOUNDATION



EXISTING CABLE PLAN NOT TO SCALE

- NOTE 4: THE GREEN AND YELLOW LEFT TURN ARROW INDICATIONS FOR SOUTHBOUND TO EASTBOUND LEFT TURN MOVEMENT SHALL BE DISCONNECTED AND BAGGED THRUOUT THE CONSTRUCTION WHEN MAPLE AVENUE, ON THE EASTSIDE OF FAIRVIEW AVENUE, IS ONE-WAY WESTBOUND. THE APPROPRIATE PHASE FOR THIS MOVEMENT (PHASE 1) SHALL BE DISABLED AS SHOWN IN THE PLAN AND AS DIRECTED BY THE ENGINEER. THE SIGNAL INDICATIONS SHALL BE ACTIVATED AND UNBAGGED UPON RESTORATION OF TWO-WAY TRAFFIC ON MAPLE AVENUE, ON THE EAST SIDE OF FAIRVIEW AVENUE. ALSO, THE APPLICABLE PHASE SHALL BE ACTIVATED. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "MODIFY EXISTING CONTROLLER".
- NOTE 5: CONTRACTOR SHALL INSTALL A NO LEFT TURN SIGN "E" (R3-2, 24"x24") ON THE MAST ARM AND ON THE POST IN THE SOUTHEAST CORNER OF THE INTERSECTION FOR PROHIBITING LEFT TURN MOVEMENT FOR SOUTHBOUND TO EASTBOUND DIRECTION OF TRAVEL. THESE SIGNS SHALL BE REMOVED UPON COMPLETION OF THE WORK AND AS DIRECTED BY THE ENGINEER. THIS ITEM OF WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR "SIGN PANEL - TYPE 1".

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
8	SQFT	SIGN PANEL - TYPE 1
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	MODIFY EXISTING CONTROLLER

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE	OPERATION		
		INCAND.	LED		
SIGNAL (RED)	16	135	17	0.50	1080
(YELLOW)	16	135	25	0.25	439
(GREEN)	16	135	15	0.25	439
ARROW	16	135	12	0.10	216
PED. SIGNAL	8	90	25	1.00	720
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN				0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 2994
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 ENERGY SUPPLY CONTACT: BOB TAYLOR PHONE: 630-985-4055 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'+L-2'
E-MAST 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)

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1487	66R	DuPAGE	42	147
STA. 23+00		TO STA. 144+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62376				

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MODIFICATION OF EXISTING CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES FAIRVIEW AVENUE AT MAPLE AVENUE**

REVISIONS	
NAME	DATE

SCALE: N.T.S.  
 DATE: FEBRUARY 21, 2005

DRAWN BY: -  
 DESIGNED BY: -  
 CHECKED BY: -

• MODIFIED FROM EXISTING PLANS BY GANDHI AND ASSOCIATES, INC.