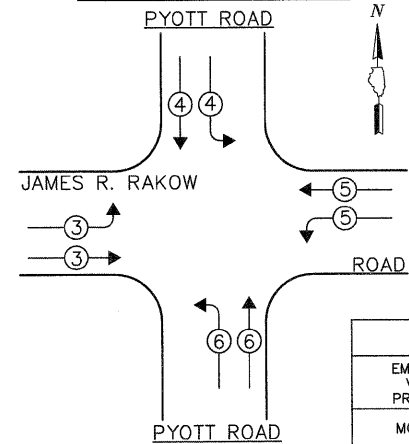


TEMPORARY CABLE PLAN

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

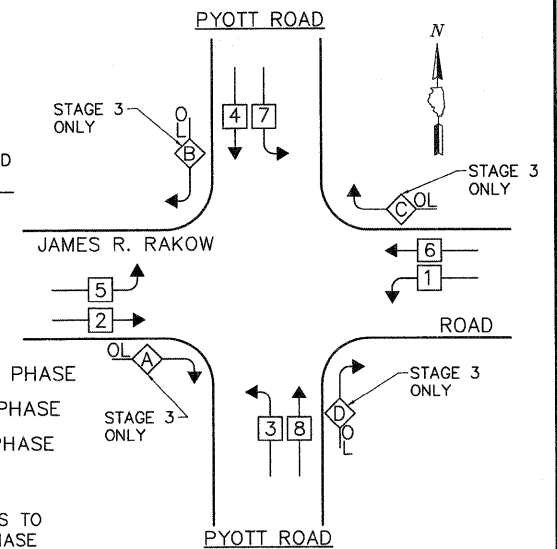


TEMPORARY EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	[Symbol]	[Symbol]	[Symbol]	[Symbol]

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 + 3	
B	= 4 + 5	
C	= 6 + 7	
D	= 8 + 1	

- LEGEND:
- [Symbol] SINGLE ENTRY PHASE
  - [Symbol] DUAL ENTRY PHASE
  - [Symbol] PEDESTRIAN PHASE
  - [Symbol] OVERLAP
  - \* NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 850 Forest Edge Drive • Vernon Hills, IL 60061  
 Consulting Engineers & Surveyors  
 847-478-9700  
 FAX: 847-478-9701

**PATRICK ENGINEERING INC.**  
 Lisle, Illinois

McHENRY COUNTY DIVISION OF TRANSPORTATION TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		% OPERATION	
		INCAND.	L.E.D.		
SIGNAL (RED)	22	135	17	0.50	187.0
SIGNAL (YELLOW)	22	135	25	0.25	137.5
SIGNAL (GREEN)	22	135	15	0.25	82.5
ARROW	16	135	12	0.10	19.2
PED.SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100.0
BATTERY BACKUP	1		25	1.00	25.0
VIDEO SYSTEMS	1		150	1.00	150.0
LUMINAIRE	4	400		0.50	800.0
FLASHER				0.05	
TOTAL =					1501.2

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

ENERGY COSTS - BILLED TO: CITY OF CRYSTAL LAKE  
 (ADDRESS) 100 WEST MUNICIPAL COMPLEX

ENERGY SUPPLY - CONTACT: MS. AUDREY HELGESEN  
 PHONE: (847) 816-5225  
 COMPANY: COMED-LIBERTYVILLE

FILE NAME = 4153.800-tr1.dwg	USER NAME = GHA	DESIGNED - DPB	REVISED -
		DRAWN - ZCW	REVISED -
		CHECKED - DPB	REVISED -
		DATE - 8/2/10	REVISED -



MCHENRY COUNTY DIVISION OF TRANSPORTATION

TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM  
 JAMES R. RAKOW RD. AND PYOTT RD.  
 SCALE: N.A. SGNL SHEET # 22 OF 65 SHEETS STA. TO STA.

F&P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-WR	McHENRY	606	331
			CONTRACT #:	63398

ILLINOIS FED. AID PROJECT