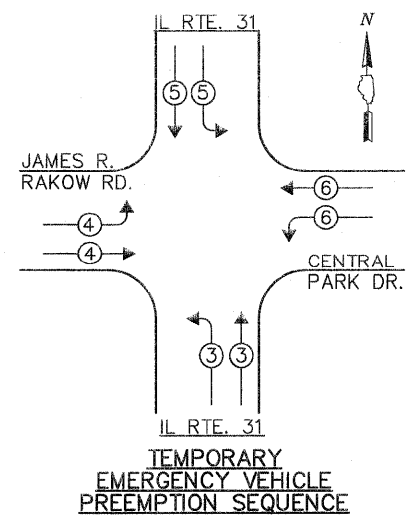
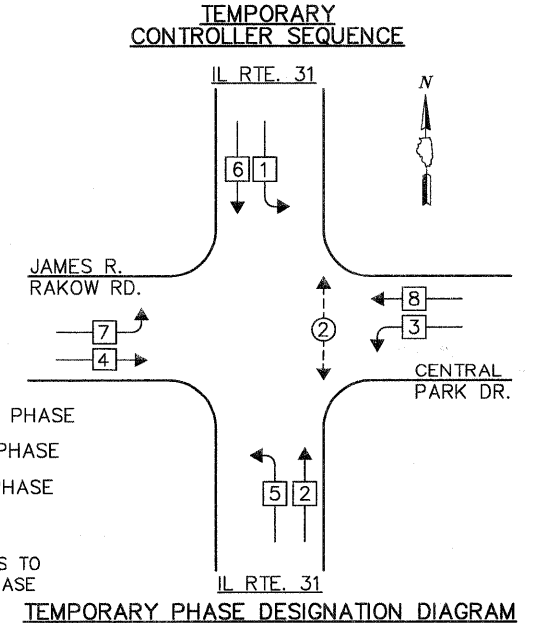


IL RTE. 31  
TEMPORARY CABLE PLAN

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



TEMPORARY EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				



- LEGEND:
- SINGLE ENTRY PHASE
  - DUAL ENTRY PHASE
  - PEDESTRIAN PHASE
  - OVERLAP
  - NUMBER REFERS TO ASSOCIATED PHASE

**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	
SIGNAL (RED)	20	135	17	0.50	170.0
SIGNAL (YELLOW)	20	135	25	0.25	125.0
SIGNAL (GREEN)	20	135	15	0.25	75.0
ARROW		135	12	0.10	
PED. SIGNAL	2	90	25	1.00	50.0
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		400		0.50	
FLASHER				0.05	
TOTAL =					695.0

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  
DRAWN - ZCW  
CHECKED - DPB  
DATE - 8/2/10

REVISIONS:  
REVISION -  
REVISION -  
REVISION -  
REVISION -



MCHENRY COUNTY  
DIVISION OF TRANSPORTATION

TEMPORARY CABLE PLAN AND  
TEMPORARY PHASE DESIGNATION DIAGRAM  
IL RTE. 31 AND JAMES R. RAKOW RD./CENTRAL PARK DR.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-WR	McHENRY	606	356
CONTRACT #			63398	
ILLINOIS FED. AID PROJECT				