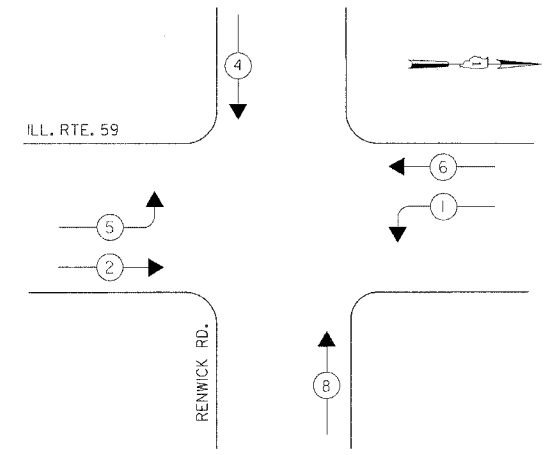
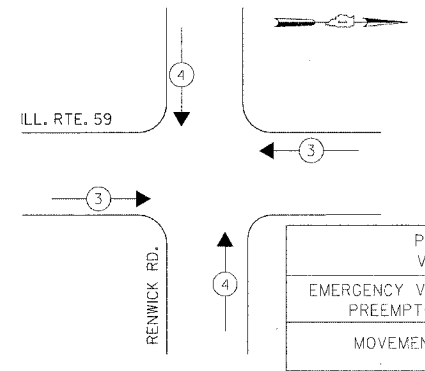


**CONTROLLER SEQUENCE**



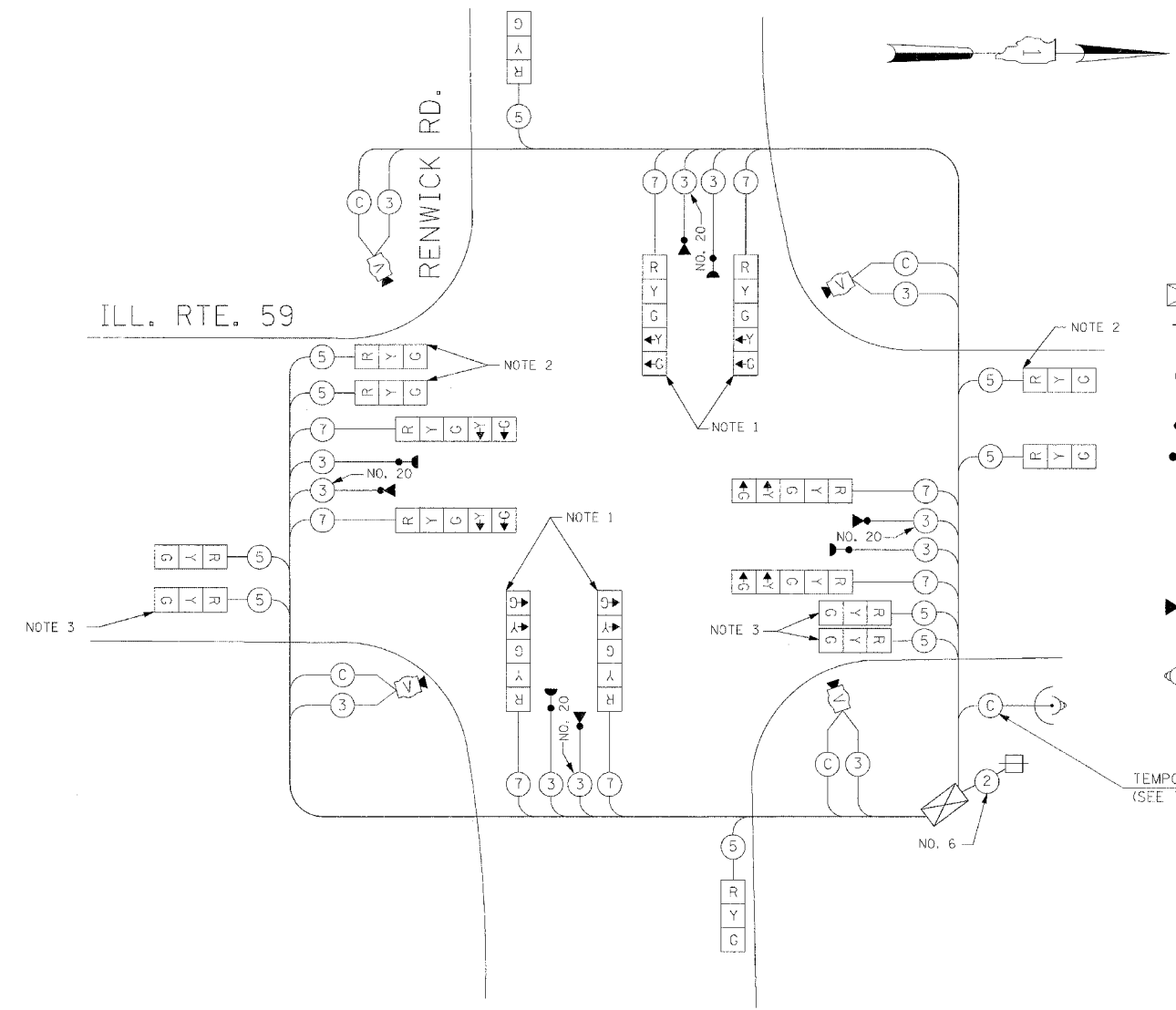
**TEMPORARY PHASE DESIGNATION DIAGRAM**  
 STAGES: PRE-STAGE 1, STAGE 1, STAGE 1A, STAGE 1B, STAGE 1C, STAGE 2, STAGE 2A, STAGE 2B, STAGE 2C, AND STAGE 2D.

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↑↓

STAGES: PRE-STAGE 1, STAGE 1, STAGE 1A, STAGE 1B, STAGE 1C, STAGE 2, AND STAGE 2A



**TEMPORARY CABLE PLAN**

STAGES: PRE-STAGE 1, STAGE 1, STAGE 1A, STAGE 1B, STAGE 1C, STAGE 2, STAGE 2A, STAGE 2B, STAGE 2C, AND STAGE 2D.

**TEMPORARY CABLE DIAGRAM LEGEND**

- TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- PEDESTRIAN PUSHBUTTON DETECTOR
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- MICROWAVE VEHICLE SENSOR
- VIDEO CAMERA ASSEMBLY
- WIRELESS INTERCONNECT (ANTENNA)
- CO-AXIAL VIDEO CABLE
- TEMPORARY RADIO INTERCONNECT TO FORT BEGGS DR. (SEE TEMPORARY INTERCONNECT PLAN)

- NOTE 1: DURING CONSTRUCTION STAGES PRE-STAGE 1, STAGE 1, STAGE 1A, STAGE 1B, STAGE 1C, STAGE 2, STAGE 2A, STAGE 2B, STAGE 2C, AND STAGE 2D THE GREEN AND YELLOW LEFT ARROW INDICATION SECTIONS FOR EASTBOUND AND WESTBOUND DIRECTION OF TRAFFIC SHALL BE BAGGED AND DISCONNECTED AT THE CONTROLLER AND APPLICABLE PHASES SHALL BE DISABLED IN THE CONTROLLER.
- NOTE 2: THESE 3-SECTION CIRCULAR GREEN, YELLOW, AND RED INDICATION SIGNALS SHALL ONLY BE USED DURING CONSTRUCTION STAGE 1C FOR SOUTHBOUND RIGHT TURN LANE. THESE 3 SECTION SIGNAL HEADS SHALL BE DISCONNECTED AT THE CONTROLLER AND BAGGED DURING OTHER CONSTRUCTION STAGES OR SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- NOTE 3: THESE 3-SECTION CIRCULAR GREEN, YELLOW, AND RED INDICATION SIGNALS SHALL ONLY BE USED DURING CONSTRUCTION STAGE 2A FOR NORTHBOUND RIGHT TURN LANE. THESE 3 SECTION SIGNAL HEADS SHALL BE DISCONNECTED AT THE CONTROLLER AND BAGGED DURING OTHER CONSTRUCTION STAGES OR SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- NOTE 4: ALL THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE LED TYPE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	INCAND.	LED	OPERATION	
SIGNAL (RED)	16	135	17	0.50	153
(YELLOW)	18	135	25	0.25	112.5
(GREEN)	18	135	15	0.25	67.5
ARROW	12	135	12	0.10	14.4
PED. SIGNAL		90	25	1.00	
CONTROLLER		100	100	1.00	100.0
ILLUM. SIGN				0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	447.4

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 201 WEST CENTER COURT  
 SCHAMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: MS. BETTY BRULC  
 PHONE: (815) 724-5052  
 COMPANY: COMED

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

**GA** GANDHI AND ASSOCIATES, INC.  
 ENGINEERS AND PLANNERS  
 6035 N. NORTHWEST HIGHWAY  
 SUITE 300  
 CHICAGO, ILLINOIS 60631 TEL. (773) 774-5900

REVISIONS	
NAME	DATE
PKG, MAA	05-01-08

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TEMPORARY CABLE PLAN,  
 PHASE DESIGNATION DIAGRAM, AND  
 EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 ILLINOIS ROUTE 59 AT RENWICK ROAD  
 (SHEET 2 OF 3)

SCALE: N.T.S.  
 DATE: 03/18/2008

DRAWN BY: BB, KP  
 DESIGNED BY: PKG/RRM  
 CHECKED BY: PKG/RRM