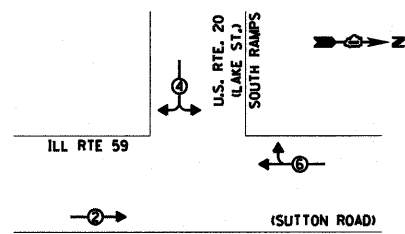


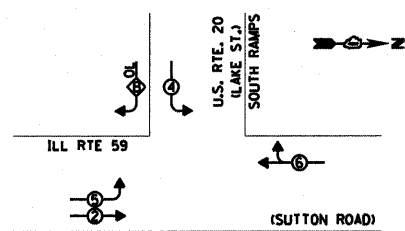
CONTROLLER SEQUENCE - STAGE 1



PHASE DESIGNATION DIAGRAM

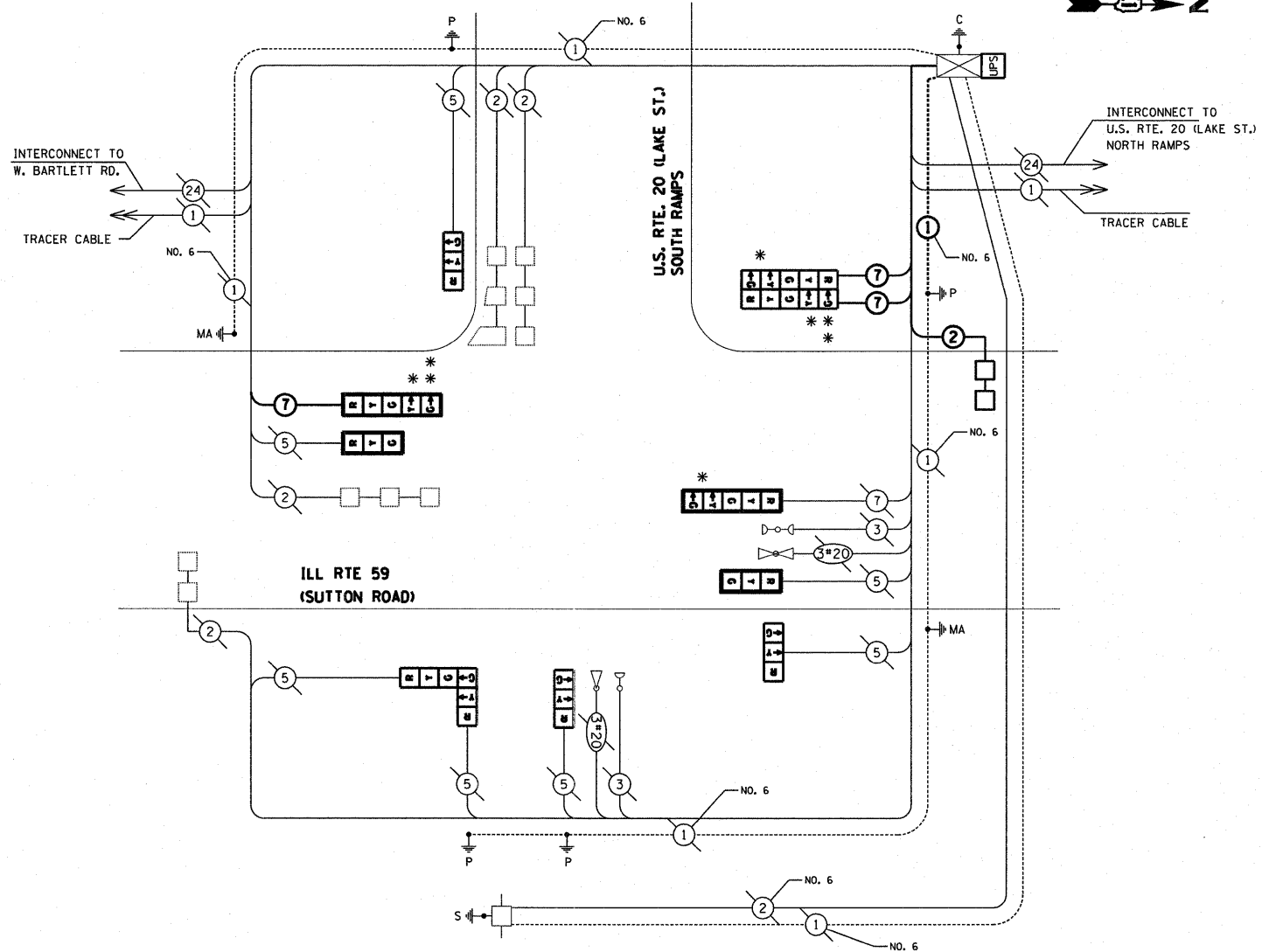
- LEGEND**
- ◻ SINGLE ENTRY PHASE
 - ◻ DUAL ENTRY PHASE
 - ◻ OVERLAP
 - ◻ PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5



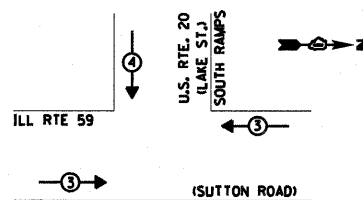
CABLE PLAN

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE ENDS OF THE TRACER CABLES SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINETS.

EMERGENCY VEHICLE PREEMPTION SEQUENCE STAGE 1 & 2



- * BAG AND TURN OFF THE PHASING OF THE LEFT & RIGHT TURN ARROWS DURING STAGE 1.
- ** BAG AND TURN OFF THE PHASING OF THE RIGHT TURN ARROWS DURING STAGE 2.

PROPOSED EMERGENCY VEHICLE PREEMPTOR		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	←→

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	11	17		0.50	93.50
(YELLOW)	11	25		0.25	68.75
(GREEN)	11	15		0.25	41.25
ARROW	8	12		0.10	9.60
PED. SIGNAL	-	25		1.00	-
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN	-	25		0.05	-
FLASHER				0.05	
ENERGY COSTS TO: TOTAL =					313.10

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: _____
PHONE: _____
COMPANY: COMMONWEALTH EDISON

FILE NAME =	USER NAME = wingram	DESIGNED - WHI	REVISED -
#FILE#		DRAWN - WHI	REVISED -
		CHECKED - DEB	REVISED -
		DATE - 1/10/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL. RTE. 59 AT U.S. RTE. 20 SOUTH RAMPS - STAGING
CABLE PLAN, PHASE DESIGNATION DIAGRAM
AND EMERGENCY PREEMPTION SEQUENCE**

F.A.P. RTE. 338	SECTION 7 HB-K-N	COUNTY COOK	TOTAL SHEETS 82	SHEET NO. 36
CONTRACT NO. 60K62				

APEX
CONSULTING ENGINEERS, LLC
111 E. Wacker Drive, Suite 520
Chicago, IL 60601