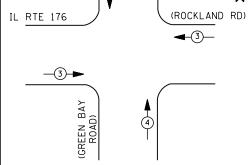


PHASE DESIGNATION DIAGRAM N



### EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4		
MOVEMENT		1		

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS WATTAGE % OPERATIONS TOTAL TYPE NO. LAMPS WATTAGE INCAND. LED 102 SIGNAL (RED) 1 35 17 0.50 25 0.25 (YFIIOW) 12 135 75 (GREEN) 1 35 15 0.25 45 12 ARROW 1 35 0.10 16 19 PED. SIGNAL 1.00 200 CONTROLLER 100 100 1.00 100 25 ILLUM. SIGN 252 0.05 --VIDEO SYSTEM 1.00 150 FLASHER LED

I. D. O. T.

ENERGY COSTS-

BILLED TO: VILLAGE OF LAKE BLUFF
40 E. CENTER AVENUE

LAKE BLUFF, IL 60044

ENERGY SUPPLY - CONTACT TERRI BLECK

PHONE 847-816-5239

COMMONWEALTH EDISON

## LEGEND

DUAL ENTRY PHASE

PEDESTRIAN PHASE

SINGLE ENTRY PHASE

VOL OVERLAP

NUMBER REFERS TO ASSOCIATED PHASE

CONTRACTOR SHALL RELOCATE EXISTING SIGN PANELS FROM PAINTED POSTS THAT ARE INDICATED FOR REPLACEMENT TO A NEW POSTS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL, RELOCATION AND ANY NEW MOUNTING HARDWARE NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE TRAFFIC SIGNAL POST, GALVANIZED STEEL PAY ITEM OF THE LENGTH AS SPECIFIED IN THE PLANS.

- 1 REPLACE 14 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- (2) REPLACE 15 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- REPLACE 16 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.
- 4 REPLACE 18 FT. PAINTED POST. RE-USE EXISTING TYPE A CONCRETE FOUNDATION.

# **≯** • C υ <u>α</u> G ÷Υ CALLING DETECTOR æ ≻ ∪ NO. 6-ILLINOIS ROUTE 176 (ROCKLAND ROAD) EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTOR EXISTING INTERSECTION **₹** 0 ≺ 2 AND SAMPLING (SYSTEM) DETECTOR -(3#20) (3) ດ ≺ 🋪 **- ∠ ∪ ↓ ↓** INTERCONNECT TO U.S. RTE. 41 EAST RAMR (SKOKIE VALLEY ROAD/ WASHINGTON AVENUE) \* 🗬 TRACER CABLE

ILLINOIS ROUTE 131

(GREEN BAY ROAD)

EXISTING INTERSECTION

DETECTORS

AND SAMPLING (SYSTEM)

### SCHEDULE OF QUANTITIES

UPS SHALL BE INSTALLED ON LEFT SIDE OF CONTROLLER CABINET DUE TO PHYSICAL CONSTRAINT, OR AS DIRECTED BY THE ENGINEER

NOTE: PUSH BUTTON "B" SHALL PLACE A CALL IN PHASED 4 AND 6

CABLE PLAN

QUANTITY	<u>UNIT</u>	<u>ITEM</u>	
1 3 4 4 6 1 5 1 1	EACH EACH EACH EACH EACH EACH EACH EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT, SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM MODIFY EXISTING CONTROLLER CABINET REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT UNINTERRUPTABLE POWER SUPPLY, SPECIAL PEDESTRIAN PUSH-BUTTON, NON-LATCHING	

## REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

EXISTING INTERSECTION

AND SAMPLING (SYSTEM)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 4 EACH SIGNAL HEAD, 3 SECTION 8 EACH SIGNAL HEAD, 5 - SECTION
- 8 EACH PEDESTRIAN SIGNAL HEAD 7 EACH PEDESTRIAN PUSH-BUTTON
- 7 EACH PEDESTRIAN PUSH-BUTTON 5 EACH TRAFFIC SIGNAL BACKPLATE

3 EACH SIGNAL POST

TS# 7020 LAKE BLUFF

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	DW	REVISED - 5/4/12
N:\Projects3\12004\DesignCAD\Sheet Files	\12-001 Sheets SE Lake Co\07020_CAB_LAKE.dgr	DRAWN -	JDH	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	KMM	REVISED -
	PLOT DATE = 5/8/2012	DATE -		REVISED -

TOTAL =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LAKE BEOTT					' '
IL RTE. 131 (GREEN BAY RD) & IL RTE. 176	(ROCKLAND RD)- CABLE PLAN, FR	A. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULE OF QUANTITIES, PHASE DESIGN		2012-003 I	LAKE	102	100
SUILDOLL OF GOARTITLS, THASE DESIGN	CONTRACT NO. 60T41				
SCALE: N.T.S. SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			