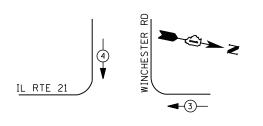
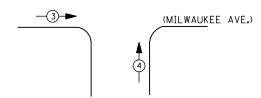


PHASE DESIGNATION DIAGRAM





EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PRE	EMPTORS	
EMERGENCY VEHICLE PREEMPTOR	3	4	
MOVEMENT	←	↓ ↑	

	Ι.	D.	0.	T.	
TRAFFIC	SIG	NAL	ΙN	ISTALL	ATION
ELECTRI CAL	. SEI	₹VI	CE	REQUI	REMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL
		INCAND.	LED		WATTAGE
SIGNAL (RED)	13	1 35	17	0.50	111
(YELLOW)	13	1 35	25	0.25	81
(GREEN)	13	1 35	15	0.25	49
ARROW	16	1 35	12	0.10	19
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	1 00	1.00	100
ILLUM. SIGN		252	25	0.05	
VIDEO SYSTEM	1	150	-	1.00	150
FLASHER LED					

ENERGY COSTS-

BILLED TO: VILLAGE OF LIBERTYVILLE 200 E. COOK AVENUE

LIBERTYVILLE, IL 60048

ENERGY SUPPLY -CONTACT TERRI BLECK PHONE

<u>847-816-5239</u> COMMONWEALTH EDISON

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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.

1 EACH CONTROLLER AND CABINET (COMPLETE)

6 EACH PEDESTRIAN PUSH-BUTTON

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1_	EACH	TRANSCEIVER - FIBER OPTIC
(EACH	INDUCTIVE LOOP DETECTOR
* 1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
6	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING
1	EACH	RELOCATE EXISTING SWITCH (SPECIAL)
Ī	EACH	RELOCATE EXISTING VIDEO ENCODER, SPECIAL

* - 100% COST TO VILLAGE OF LIBERTYVILLE

TRACER CABLE -INTERCONNECT TO LIBERTYVILLE F.D.H.O INTERCONNECT TO TRACER CABLE LAKE STREET (MILWAUKEE AVE.) ILL. ROUTE 21

TRACER CABLE

INTERCONNECT TO

-NO. 6

CABLE PLAN

PUSH-BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4 PUSH-BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.

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

CONTRACTOR SHALL RELOCATE EXISTING FIBER OPTIC SPLICE BOX TO A NEW CONTROLLER CABINET, THE COST OF THIS WORK SHALL BE INCLUDED IN THE FULL-ACTUATED CONTROLLER AND TYPE IV CABINET,

TS# 13985 LIBERTYVILLE

DESIGNED REVISED - 5/4/12 FILE NAME = USER NAME = \$USER\$ DW N:\Projects3\12004\DesignCAD\Sheet Files|12-001 Sheets SE Lake Co\13985_CAB_LAKE.do DRAWN JDH REVISED CHECKED REVISED PLOT DATE = 5/7/2012 DATE REVISED

TOTAL =

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

IL RTE. 21 (MILWAUKEE AVE.) AT WINCHESTER ROAD — CABLE PLAN SCHEDULE OF QUANTITIES, PHASE DESIGN. DIAGRAM & EVP SEQUENCE SCALE: N.T.S. SHEET NO. OF SHEETS STA.

SECTION COUNTY 2012-003 I LAKE 102 77 CONTRACT NO. 60T41