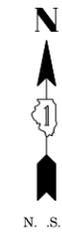


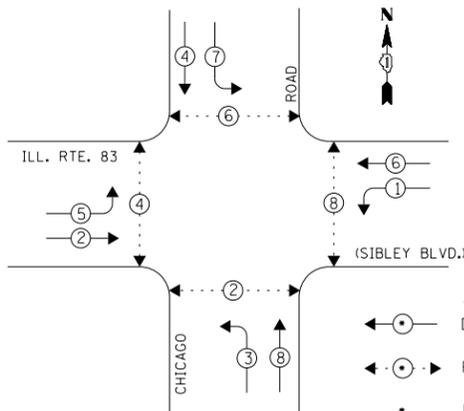
**REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT**

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.

- 4 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 4 EACH PEDESTRIAN PUSH-BUTTON



**EXISTING CONTROLLER SEQUENCE**

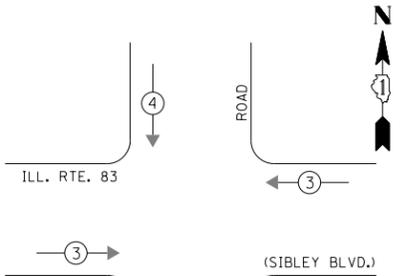


**LEGEND**

- ◀ ● ▶ DUAL ENTRY PHASE
- ◀ ● ● ▶ PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

EXISTING PHASE DESIGNATION DIAGRAM  
DUAL ENTRY - ALL LEGS  
PROTECTED/PERMITTED LEFT TURN PHASING

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



EXISTING EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	
MOVEMENT	← →	↑ ↓	

DATE	BY	DATE	BY
SURVEYED		SURVEYED	
GRADE CHECKED		GRADE CHECKED	
BLM. NOTED		BLM. NOTED	
STRUCTURE NOTATIONS OK'D		STRUCTURE NOTATIONS OK'D	
NOTE BOOK		NOTE BOOK	
NO.		NO.	
PLAN		PLAN	
NOTE BOOK		NOTE BOOK	
NO.		NO.	
SURVEYED		SURVEYED	
GRADE CHECKED		GRADE CHECKED	
BLM. NOTED		BLM. NOTED	
STRUCTURE NOTATIONS OK'D		STRUCTURE NOTATIONS OK'D	
NOTE BOOK		NOTE BOOK	
NO.		NO.	

ENGINEERING LTD.  
3575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(617) 823-5500

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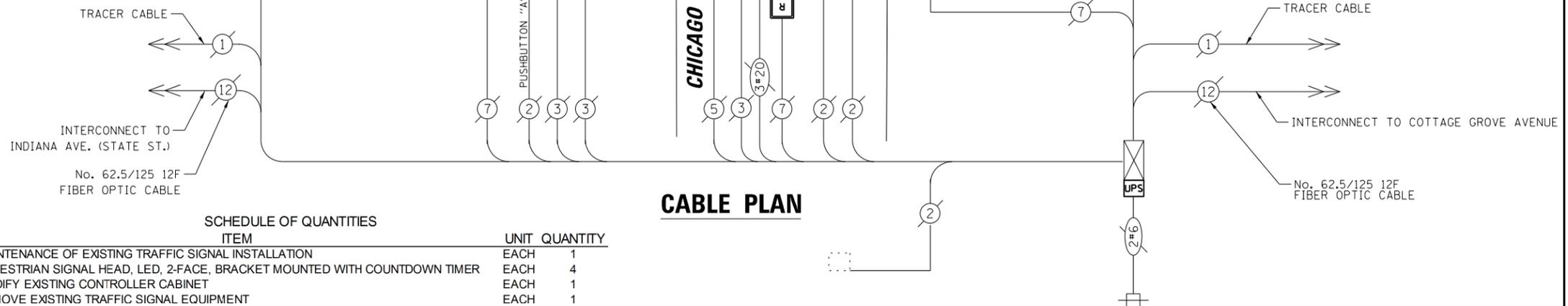
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	
SIGNAL (RED)	12	17	0.50		102.00
(YELLOW)	12	25	0.25		75.00
(GREEN)	12	15	0.25		45.00
ARROW	16	12	0.10		19.20
PED. SIGNAL	8	25	1.00		200.00
CONTROLLER	1	100	1.00		100.00
ILLUMINATED SIGN	-	25	0.05		-
VIDEO SYSTEM	-	150	1.00		-
LUMINAIRE	-	250	0.50		-
BATTERY BACKUP	1	25	1.00		25.0
FLASHER	-	-	0.50		-
ENERGY COSTS TO:					TOTAL = 566.20

**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
DIVISION OF HIGHWAY/DISTRICT 1  
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096  
ENERGY SUPPLY: CONTACT: BRAD SHINABARGAR  
PHONE: (708)-235-2692  
COMPANY: COMED

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
PEDESTRIAN PUSH-BUTTON, NON-LATCHING	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT	EACH	4

**CABLE PLAN**



NOTE:  
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.  
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.  
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.  
PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D.

FILE NAME =	USER NAME = fpaceone	DESIGNED - EAJ	REVISED -
N:\dot\130116\Work Order 13019 - South Cook County LED Traffic\CAB-IL83-Chicago.L.sh		DRAWN - FPB / FCP	REVISED -
	PLOT SCALE = 48"	CHECKED - GMZ	REVISED -
	PLOT DATE = 10/7/2013	DATE - SEPT. , 2013	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL RTE 83 (SIBLEY BLVD.) AND CHICAGO ROAD**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	VARIOUS	COOK	87	43
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X24	

TS# 3395  
DOLTON