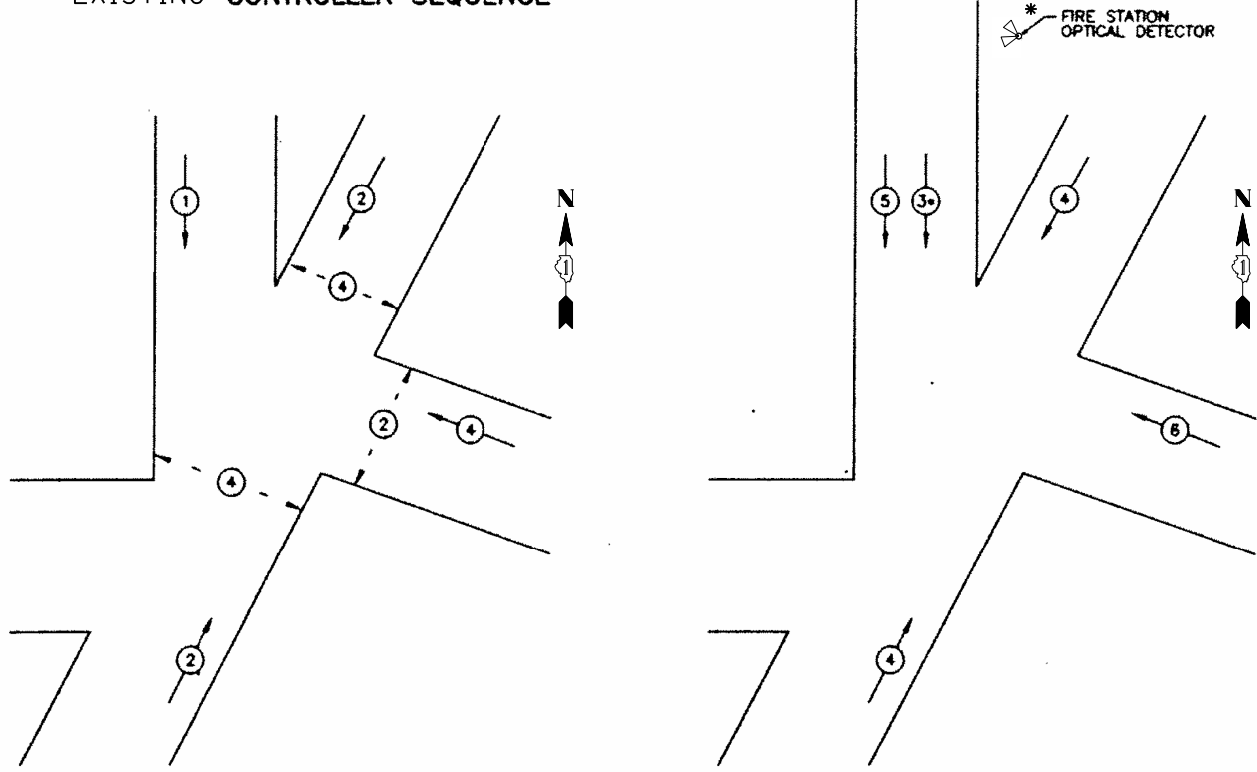


BY: _____ DATE: _____
 SURVEYED _____ ALIGNED _____
 PLAN NOTE BOOK NO. _____
 ENGINEERING LTD. 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-5500
 PROFILE SURVEYED _____ GRADES CHECKED _____
 NOTE BOOK NO. _____ STRUCTURE NOTATIONS OK/NO

EXISTING CONTROLLER SEQUENCE



LEGEND

- VEHICULAR PHASE
- PEDESTRIAN MOVEMENT
- NUMBER REFERS TO ASSOCIATED

PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

EXISTING EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3*	4	5	6
MOVEMENT	↓	↘	↓	↘

* FROM FIRE STATION DETECTOR HEADS

NOTES: THE FIRE STATION PREEMPTION SEQUENCE SHALL STOP ALL MOVEMENTS AT THE INTERSECTION FOLLOWED BY NORMAL PHASE 1.

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	-	12	0.10		-
PED. SIGNAL	6	25	1.00		150.00
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 =	497.00

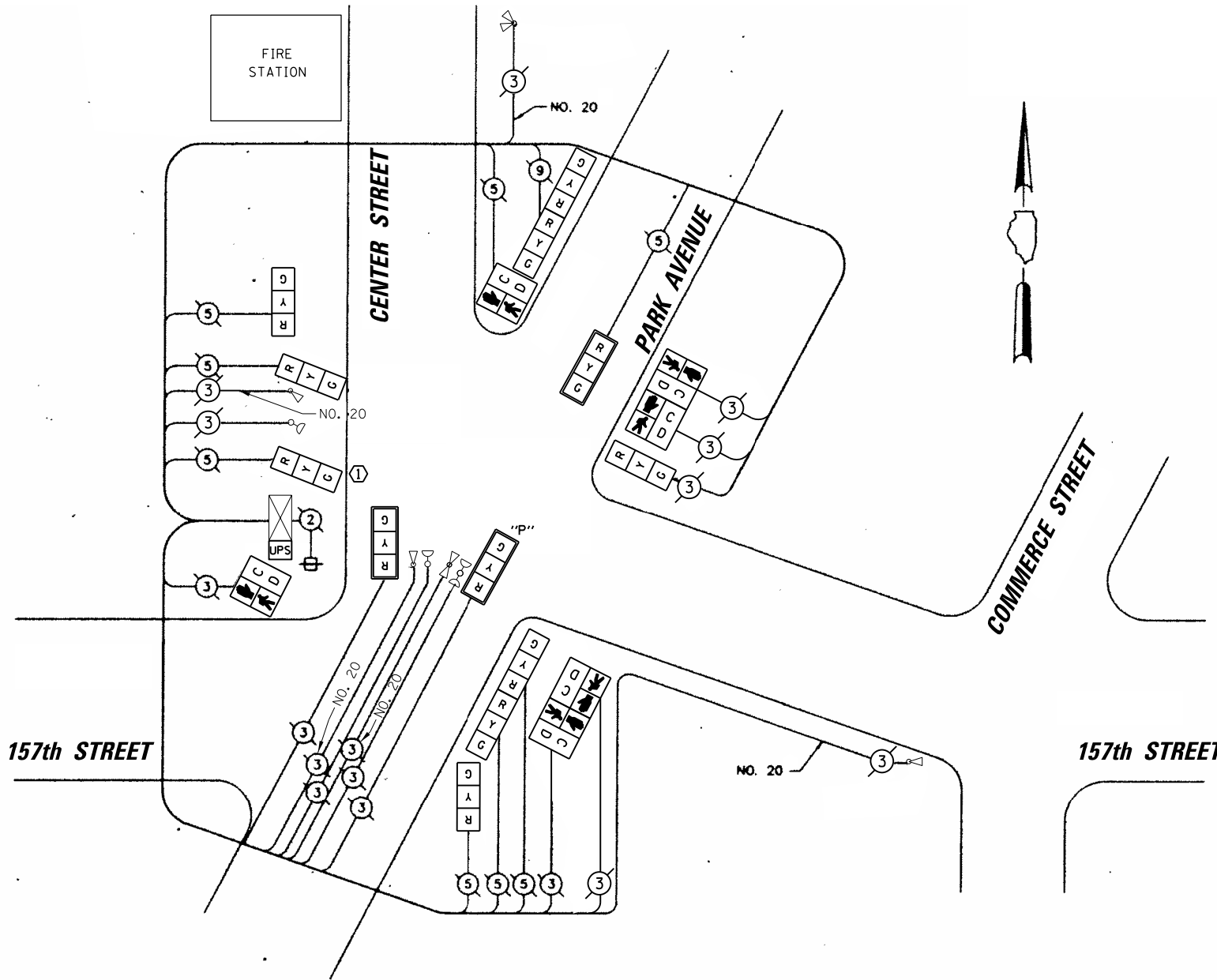
CITY OF HARVEY

15320 BROADWAY AVENUE
 HARVEY, IL 60426

ENERGY SUPPLY: CONTACT: BRAD SHINABARGAR
 PHONE: (708)-235-2692
 COMPANY: COMED

NOTES

- 1) ALL COSTS RELATED TO ATTACHING THE POSTS TO THE EXISTING FOUNDATION SHALL BE INCLUDED IN THE UNIT COST OF TRAFFIC SIGNAL POST OF THE SIZE SPECIFIED
- 2) PRIOR TO REMOVING ANY TRAFFIC SIGNAL POST SPECIFIED TO BE REPLACED IN THE SAME LOCATION, THE CONTRACTOR SHALL VERIFY THAT THE PATTERN, SPACING, AND CONDITION OF THE EXISTING BOLTS ARE SUITABLE FOR RE-USE WITH A NEW POST. IF THE BOLTS ARE NOT REUSABLE, REPLACE AS DIRECTED BY THE ENGINEER.
- 3) THE CONTRACTOR SHALL RELOCATE EXISTING SIGN PANELS FROM POSTS THAT ARE INDICATED FOR REPLACEMENT TO THE 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 UNIT COST OF TRAFFIC SIGNAL POST OF THE SIZE SPECIFIED.



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.

- 2 EACH SIGNAL HEAD, 2-FACE, 3-SECTION
- 8 EACH SIGNAL HEAD, 1-FACE
- 2 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 1 EACH STEEL POST

CONSTRUCTION NOTE:

- ① THE CONTRACTOR SHALL REPLACE THE EXISTING TRAFFIC SIGNAL POST WITH THE PROPOSED TRAFFIC SIGNAL POST, 14 FT. AND ATTACH THE PROPOSED POST TO THE EXISTING FOUNDATION.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	3
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 PARK AVENUE AT 157th STREET**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	VARIOUS	COOK	87	70
CONTRACT NO. 60X24				

TS # 13830
 HARVEY

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FILE NAME	USER NAME	DESIGNED	REVISED
N:\dot\130116\Work Order 13019 - South Cook County LED\Traffic\CAB.ParkAve-157th.sh	fpaceone	EAJ	-
		DRAWN	FPB / FCP
		CHECKED	GMZ
		DATE	SEPT. , 2013