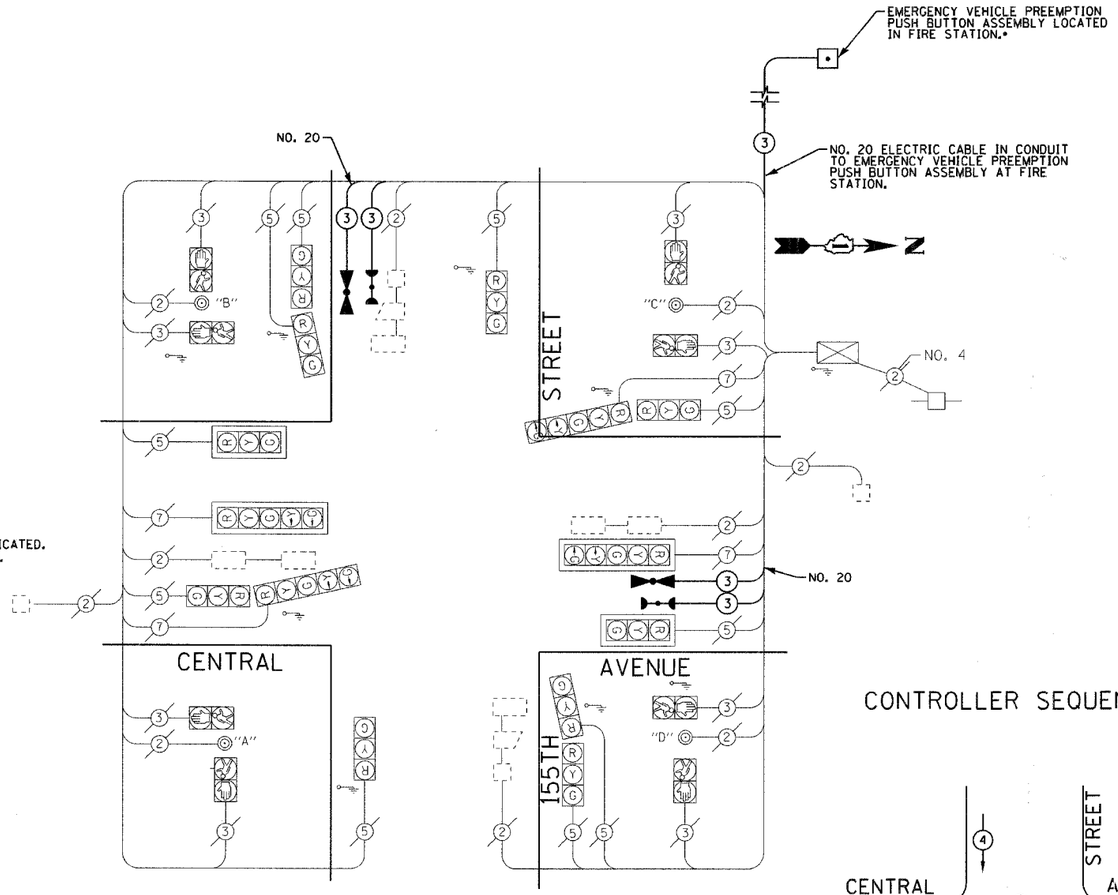
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00146-00-TL	COOK	273	210
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT M-8003 (867)		

CONTRACT NO. 63033

CABLE PLAN LEGEND

EXISTING	PROPOSED	
C	G	8" (200mm) TRAFFIC SIGNAL SECTION
R	R	12" (300mm) TRAFFIC SIGNAL SECTION
W	W	12" (300mm) PEDESTRIAN SIGNAL SECTION
PA	PA	12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
	T	TELEPHONE CONNECTION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
(2)	(2)	DENOTES NUMBER OF CONDUCTORS. ALL EXISTING CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
(1)	(1)	GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
(24)	(24)	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 2-MM12F SM12F
R Y G A1 A2	R Y G A1 A2	SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
"P"	"P"	
"E"		RAILROAD CONTROL CABINET
"E"		ILLUMINATED SIGN, "NO LEFT TURN"
"E"		ILLUMINATED SIGN, "NO RIGHT TURN"
		GROUND CABLE IC NO.6
H/C	C	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
P	P	GROUND ROD AT POST (P), OR MAST ARM POLE (MA)
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		LUMINARE



CABLE PLAN

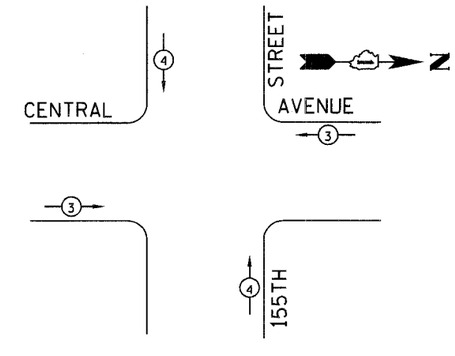
PUSH BUTTON "A" SHALL PLACE CALLS IN PHASES 2 & 4
PUSH BUTTON "B" SHALL PLACE CALLS IN PHASES 4 & 6
PUSH BUTTON "C" SHALL PLACE CALLS IN PHASES 6 & 8
PUSH BUTTON "D" SHALL PLACE CALLS IN PHASES 2 & 8

* NOTE:
THE PAY ITEM FOR "EMERGENCY VEHICLE PREEMPTION PUSHBUTTON ASSEMBLY" SHALL INCLUDE ALL LABOR AND MATERIALS REQUIRED TO INSTALL THE ASSEMBLY INSIDE THE FIRE STATION AT A LOCATION IDENTIFIED BY THE OAK FOREST FIRE DEPARTMENT. ALL ADDITIONAL LENGTHS OF CABLE AND CONDUIT REQUIRED TO CONNECT FROM THE PUSHBUTTON LOCATION TO THE CONDUIT STUB OUTSIDE THE FIRE STATION SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.

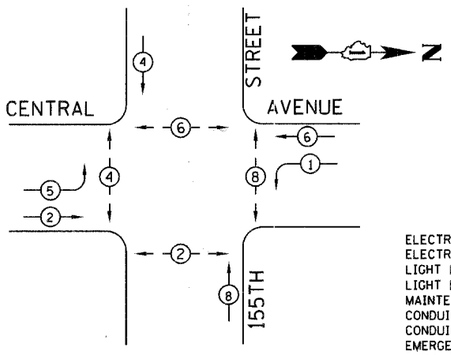
LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE



CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION		
EMERGENCY VEHICLE PREEMPTION	3	4
MOVEMENT	← →	↓ ↑

PHASE DESIGNATION DIAGRAM

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED SHIELDED	FOOT	747
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	329
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
CONDUIT IN TRENCH, 2" DIA, GALVANIZED STEEL	FOOT	334
CONDUIT PUSHED, 2" DIA, GALVANIZED STEEL	FOOT	56
EMERGENCY VEHICLE PREEMPTION PUSH BUTTON ASSEMBLY	EACH	1
DRILL EXISTING HANDHOLE	EACH	1
SIDEWALK REMOVAL	S.F.	135
PORTLAND CEMENT CONCRETE SIDEWALK-5"	S.F.	135

CITY OF OAK FOREST
LOCATION NO. 101

BAXTER & WOODMAN Consulting Engineers

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION, PHASE DESIGNATION DIAGRAM CENTRAL AVENUE AND 155TH STREET

SCALE: NONE — DRAWN BY: MAC
DATE: 01-02-08 — CHECKED BY: LDH

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