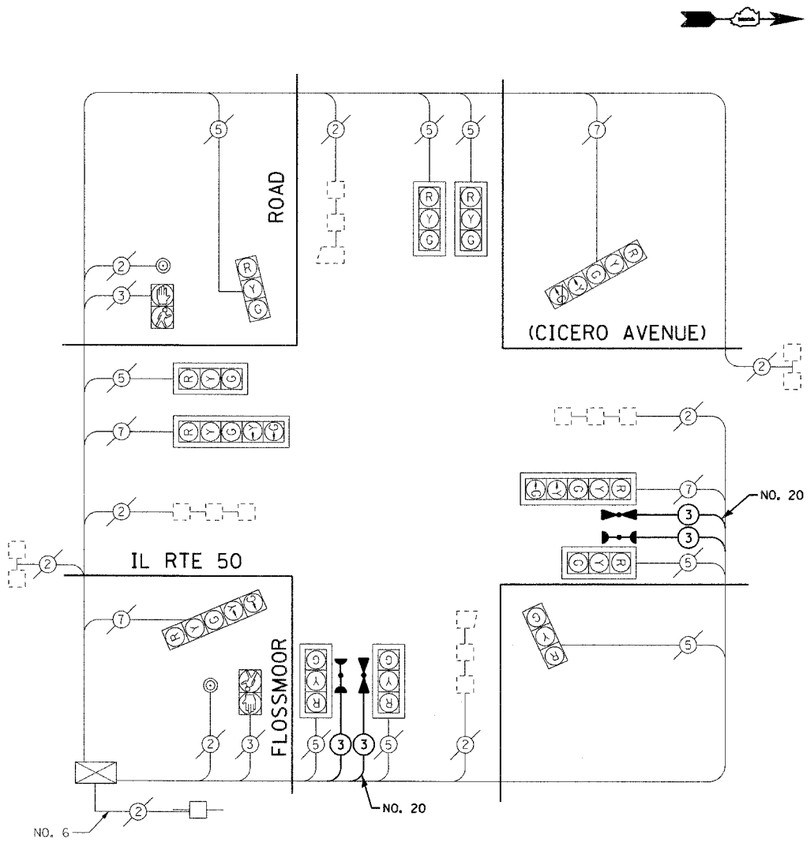
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00146-00-TL	COOK	273	117
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT M-8003 (867)		

CONTRACT NO. 63033

CABLE PLAN LEGEND

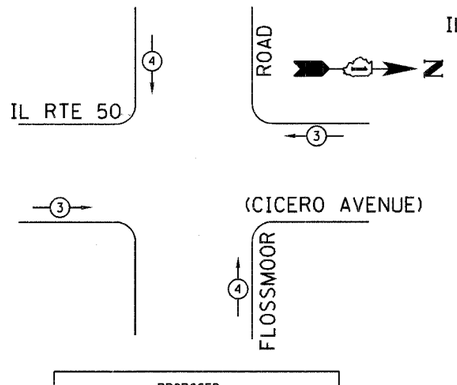
EXISTING	PROPOSED	
G	G	8" (200mm) TRAFFIC SIGNAL SECTION
R	R	12" (300mm) TRAFFIC SIGNAL SECTION
W	W	12" (300mm) PEDESTRIAN SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
T	T	TELEPHONE CONNECTION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		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
		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 1C 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

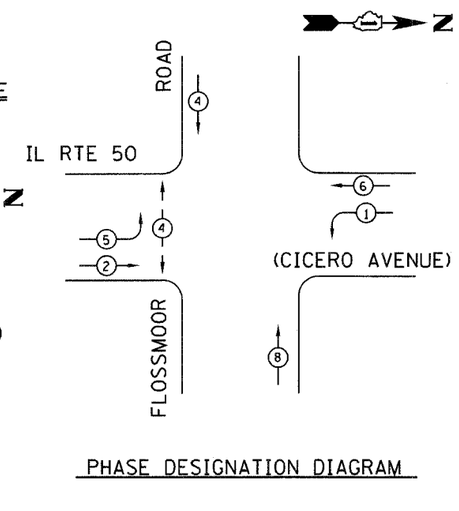


CABLE PLAN

CONTROLLER SEQUENCE

EMERGENCY VEHICLE PREEMPTION SEQUENCE





PHASE DESIGNATION DIAGRAM

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

LEGEND

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

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED SHIELDED	FOOT	304
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	304
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1

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CITY OF OAK FOREST
LOCATION NO. 49

BAXTER & WOODMAN Consulting Engineers

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN,
EMERGENCY VEHICLE PREEMPTION
SEQUENCE OF OPERATION,
PHASE DESIGNATION DIAGRAM &
TRAFFIC SIGNAL SEQUENCE OF OPERATIONS
IL ROUTE 50 (CICERO AVENUE) AT FLOSSMOOR ROAD

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