

CABLE PLAN LEGEND

EXISTING PROPOSED

8" (200mm) TRAFFIC SIGNAL SECTION
 12" (300mm) TRAFFIC SIGNAL SECTION
 12" (300mm) PEDESTRIAN SIGNAL SECTION
 12" (300mm) PEDESTRIAN SIGNAL SECTION

CONTROLLER CABINET SERVICE INSTALLATION
 TELEPHONE INSTALLATION
 VEHICLE DETECTOR, INDUCTION LOOP
 MAGNETIC DETECTOR
 EMERGENCY VEHICLE LIGHT DETECTOR
 CONFIRMATION BEACON
 PUSHBUTTON DETECTOR

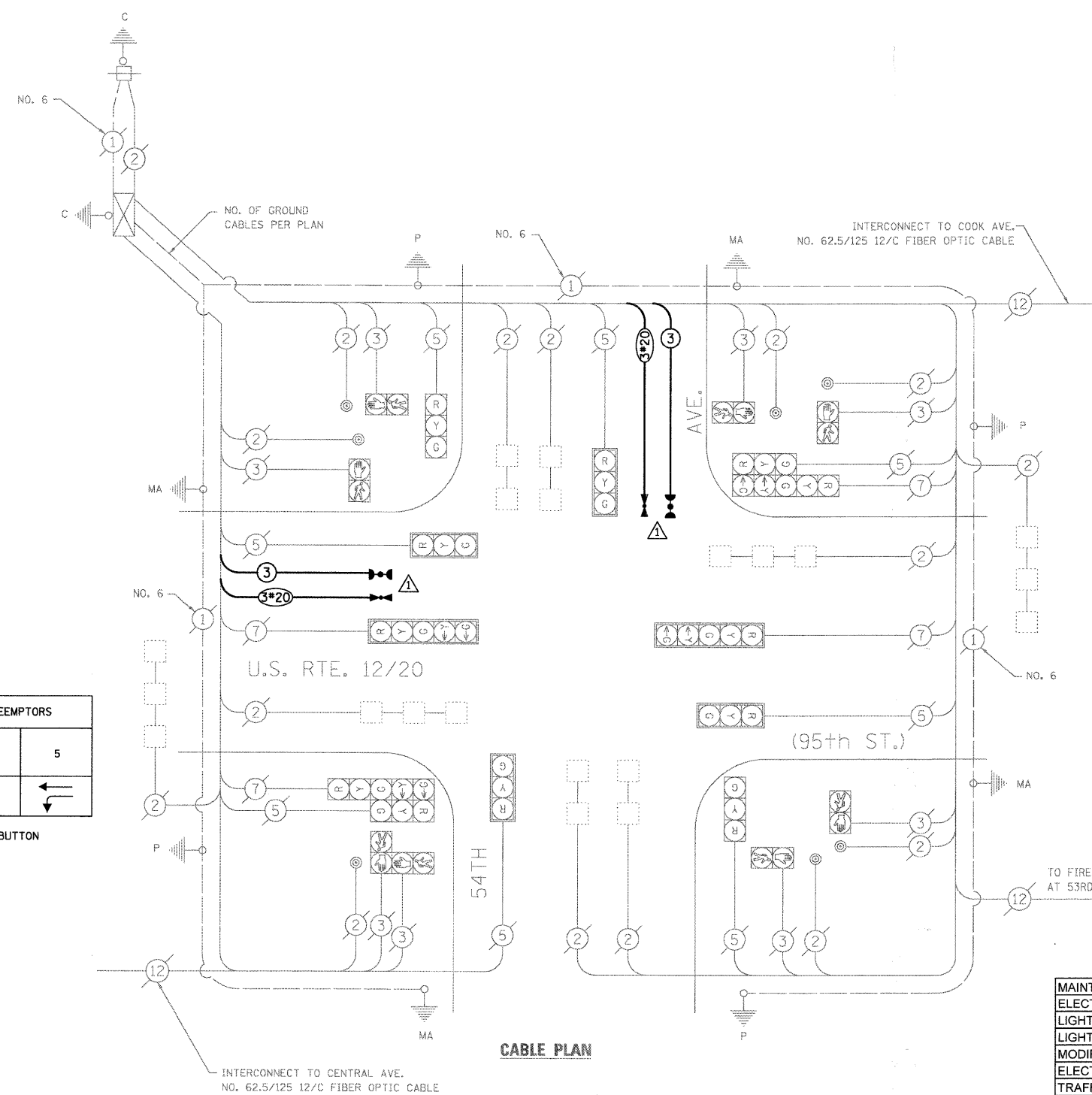
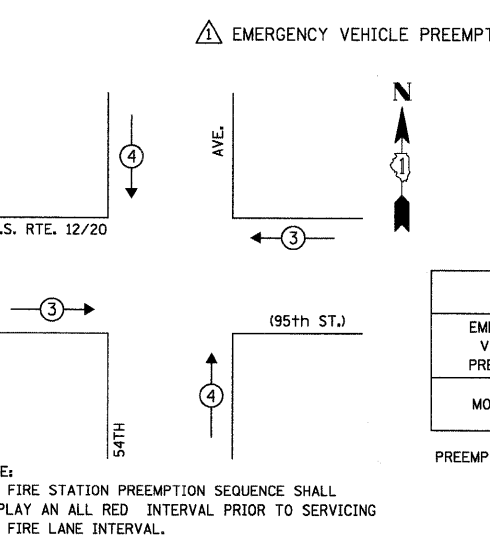
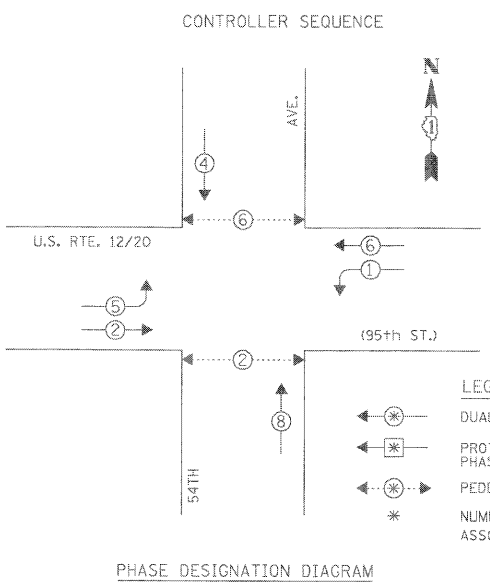
DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.

GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
 FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F

SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.

RAILROAD CONTROL CABINET
 ILLUMINATED SIGN "NO LEFT TURN"
 ILLUMINATED SIGN "NO RIGHT TURN"

GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (HH), OR CONTROLLER (C)
 GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
 GROUND ROD AT ELECTRIC SERVICE INSTALLATION



SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	291
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	291
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1

THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM" TO MATCH THE EXISTING SYSTEM AND MUNICIPAL REQUIREMENTS

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
		X INCAND. LED		
SIGNAL (RED)	12	135	0.50	810.00
(YELLOW)	12	135	0.25	405.00
(GREEN)	12	135	0.25	405.00
ARROW	8	135	0.10	108.00
PED. SIGNAL	8	90	1.00	720.00
CONTROLLER	1	100	1.00	100.00
ILLUM. SIGN				
FLASHER			0.50	

ENERGY COSTS TO: TOTAL = 2548.00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY: CONTACT: MILTON RAY
 PHONE: (708) 235-2315
 COMPANY: COMED

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'-H-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(6m+L-0.6m)=	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

CLIENT:

DSGN.	FCP
DWN.	MJT
CHKD.	
SCALE:	1" = 20'
DATE:	5/8/2008

3/20/08 INSTALLATION OF EMERGENCY VEHICLE PREEMPTION
 NO. DATE NATURE OF REVISION CHKD.

TITLE: **SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY PREEMPTION SEQUENCE**
 U.S. ROUTE 12/20 (95th ST) AT 54th AVENUE
 OAKLAWN, ILLINOIS

PROJECT NO. 070732
 SHEET 12 OF 53
 DRAWING NO.