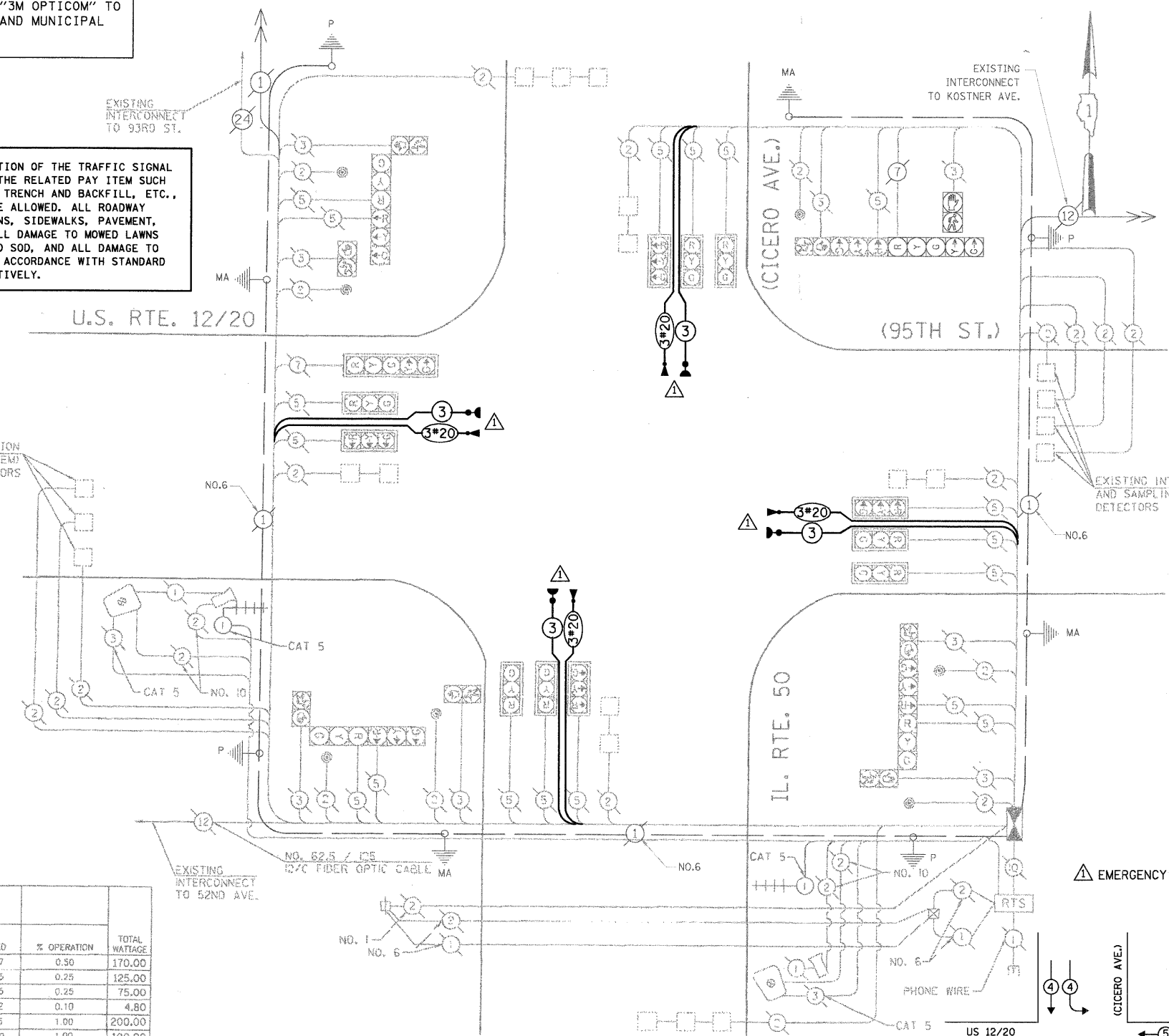
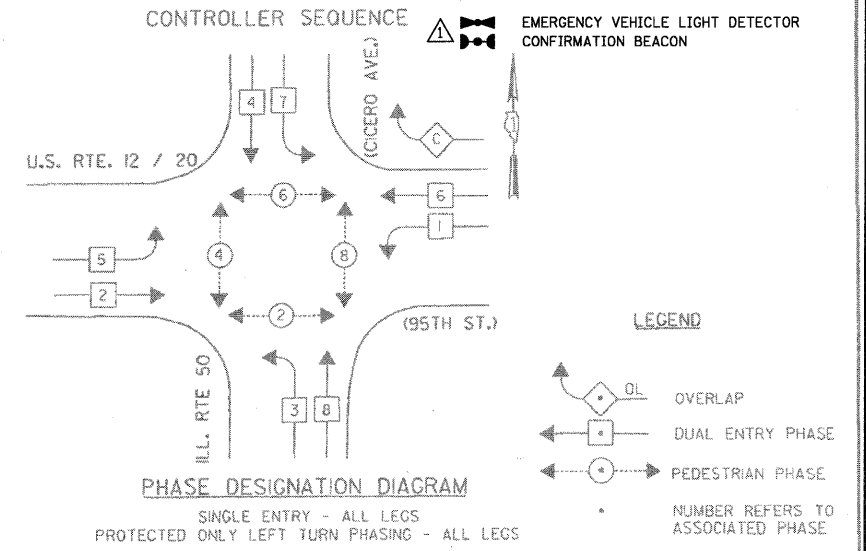
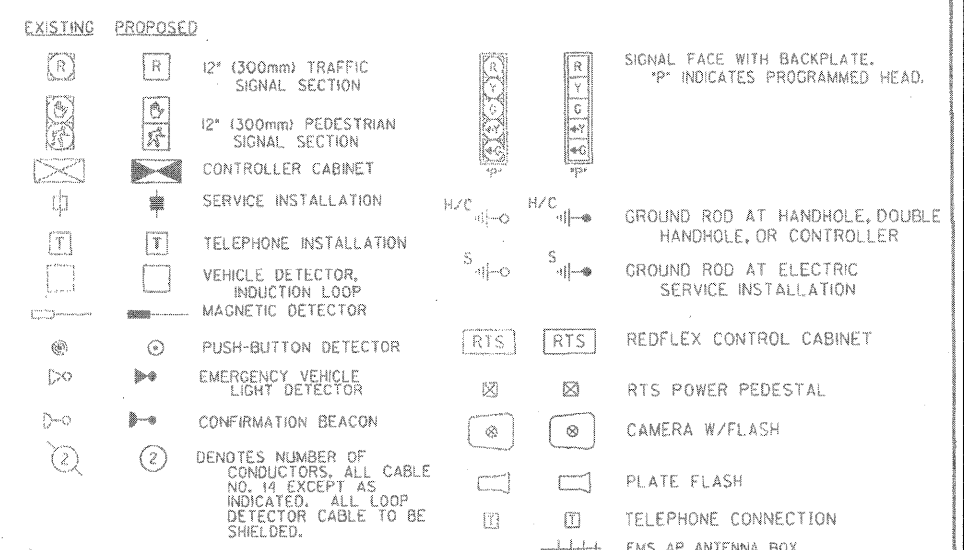


THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "3M OPTICOM" TO MATCH THE EXISTING SYSTEM AND MUNICIPAL REQUIREMENTS

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 SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

CABLE PLAN LEGEND



CABLE PLAN
NOT TO SCALE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY / DISTRICT 1
201 WEST CENTER COURT / SCHALMOUR, ILLINOIS 60186-1096

TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20		17	0.50	170.00
(YELLOW)	20		25	0.25	125.00
(GREEN)	20		15	0.25	75.00
ARROW	4		12	0.10	4.80
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN				0.05	
FLASHER				0.5	
ENERGY COST TO:					TOTAL = 674.80

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-POST	4	(1.2)	DOUBLE HANDHOLE	13	(4.0)	MAST ARM (L) POLE	20' + L - 2 =	
E-M ARM-POLE			SIGNAL POST	2	(1.0)	(6M + L - 0.6M) =		
24" (600MM)	10	(3.0)	CONTROLLER CAB.	1	(.5)	BRACKET MOUNTED	13	(4.0)
30" (750MM)	15	(4.5)	TUBER OPTIC	13	(4.0)	PED. PUSH BOTTON	4	(1.2)
			ELECTRICAL SERVICE	1	(0.5)	ELECTRICAL SERVICE	13.5	(4.0)
			GROUND CABLE	1	(0.5)	SERVICE TO GROUND	3.5	(1.0)
						POST MOUNTED	6	(1.8)

EMERGENCY VEHICLE PREEMPTION SEQUENCE

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE	DISPLAY
C	6	7	6

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1027
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1027
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1

PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

INSTALLATION OF EMERGENCY VEHICLE PREEMPTION

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

SEAL

REVISIONS

NO.	DATE	INITIAL	DESCRIPTION
1	2-4-2008		
2	11-30-2009		

GO

GANDHI AND ASSOCIATES, INC.
ENGINEERS AND PLANNERS
8035 N. NORTHWEST HIGHWAY
SUITE 308
CHICAGO, ILLINOIS 60631
TEL: (773) 714-5910

REDFLEX
TRAFFIC SYSTEMS

15020 N. 74TH STREET
SCOTTSDALE, AZ 85260
PH: 480 607 0705

DRAWN BY: XXX

REVIEWED BY VILLAGE STAFF

APPROVED BY:

VILLAGE OF: OAK LAWN

TITLE: REDLIGHT PHOTO ENFORCEMENT

IL. ROUTE 50 (CICERO AVE.)
AT US ROUTE 12 / 20 (95TH ST.)

DRAWING NO. 3025-103