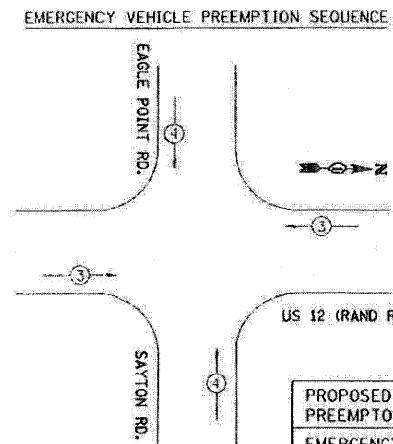


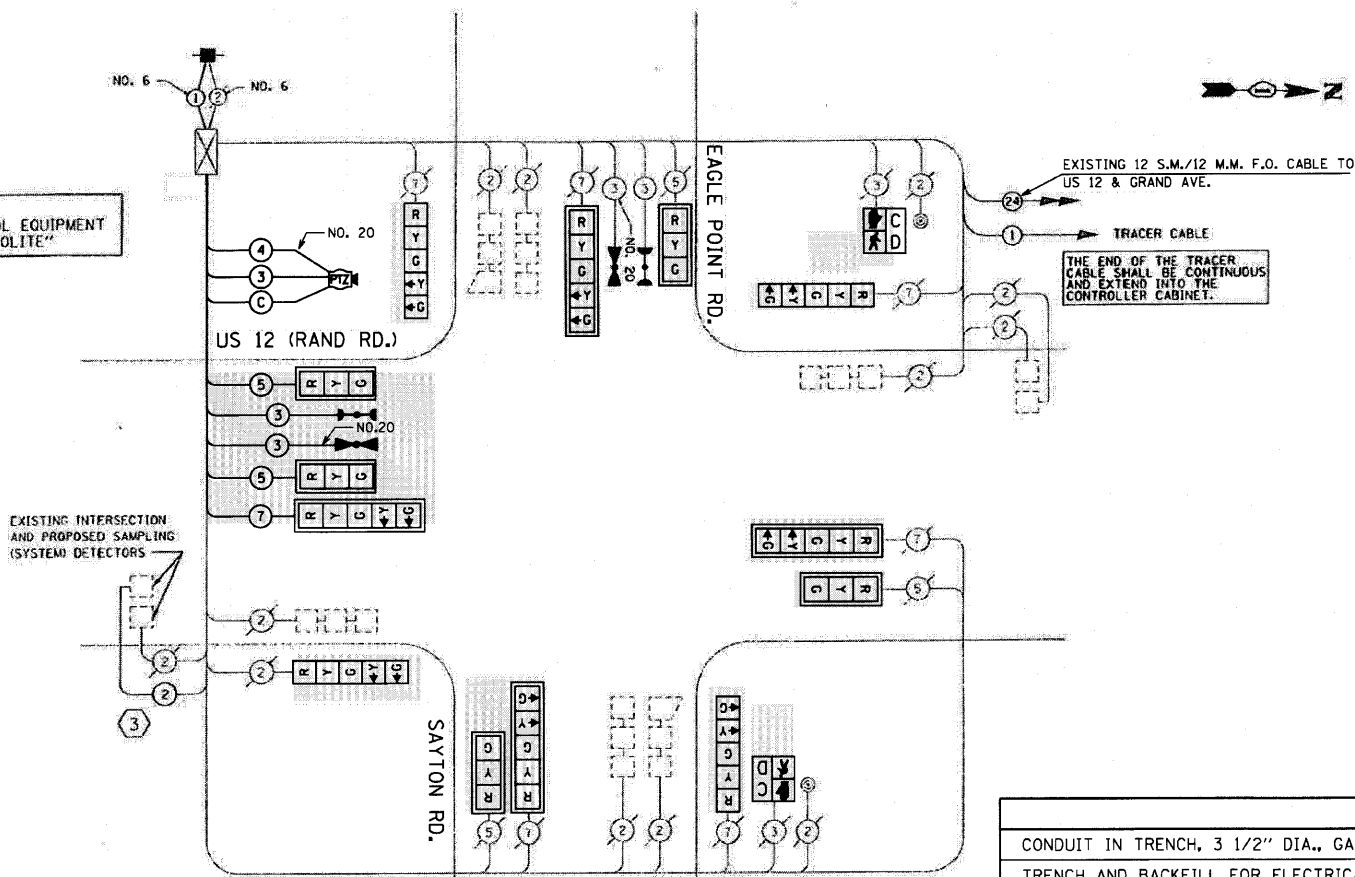
NOTE:
THE TRAFFIC SIGNAL CONTROL EQUIPMENT
FOR THIS PROJECT IS "ECONOLITE"

LEGEND:
 ○ DUAL ENTRY PHASE
 □ SINGLE ENTRY PHASE
 ○ OVERLAP
 ○ PEDESTRIAN PHASE
 NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	
MOVEMENT	←	→	



CABLE PLAN
NOT TO SCALE

SCHEDULE OF QUANTITIES

ITEM	UNIT	QTY.
CONDUIT IN TRENCH, 3 1/2" DIA., GALVANIZED STEEL	FOOT	30
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	30
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	217
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	194
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	115
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	3
LIGHT DETECTOR	EACH	1
LIGHT DETECTOR AMPLIFIER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	340
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 20 3/C, TWISTED, SHIELDED	FOOT	113
ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	104
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED, RETROFIT	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED, RETROFIT	EACH	3
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
VIDEO ENCODER	EACH	1
UPGRADE EXISTING CONTROLLER TO NTCIP SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, 4/C #20, VIDEO	FOOT	104

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

TYPE	NO. OF LAMPS	WATTAGE LED	% OPERATION	TOTAL WATTAGE (LED)	
SIGNAL	(RED)	12	10	0.50	60
	(YELLOW)	12	19	0.10	22.8
	(GREEN)	12	11	0.40	52.8
ARROW	16	9	0.10	14.4	
PED SIGNAL	2	9	1.00	18	
CONTROLLER	1	100	1.00	100	
LUMINAIRE		250	0.50		
L.E.D. ST. NAME SIGN		64	0.50		
VIDEO SYSTEM	1	150	1.00	150	
BATTERY BACKUP		25	1.00		
TOTAL				418.00	

ENERGY COSTS - BILLED TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
(ADDRESS) 201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY - CONTACT: JUDY SCHOMER
PHONE: 847-870-2063
COMPANY: COMED



USER NAME = JM	DESIGNED - DG	REVISED -
PLOT SCALE = 1 INCH = 20 FEET	DRAWN - JM	REVISED -
PLOT DATE = 10-05-2010	CHECKED - DG	REVISED -
	DATE - 10-05-2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VIDEO CAMERA LOCATION		ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
US 12 (RAND RD.) @ EAGLE POINT RD./SAYTON RD.		FAU		09-00999-07-TL	34	72
SCALE: N/A		CABLE DRAWING		VCL-3-1	CONTRACT NO. 09472	