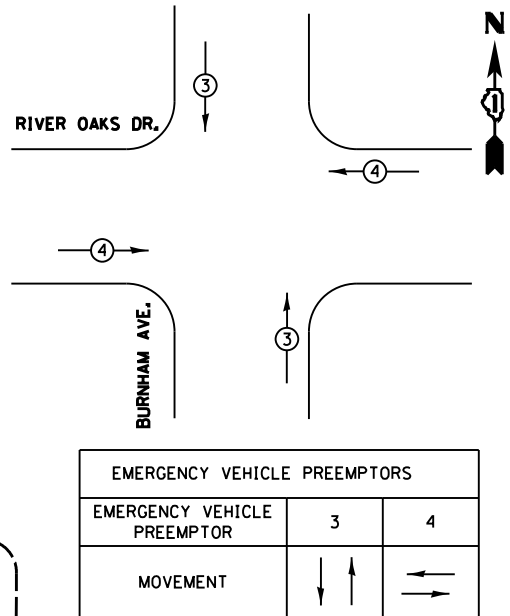


EMERGENCY VEHICLE PREEMPTION SEQUENCE

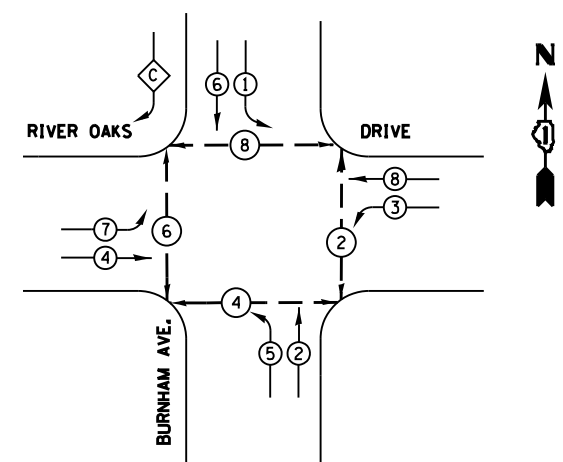


TRAFFIC SIGNAL SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 1	SO. FT.	37.5
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1340
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1710
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2080
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7 C	FOOT	1820
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO.14 1 PAIR	FOOT	3566
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	190
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	802
TRAFFIC SIGNAL POST, 10 FT.	EACH	1
TRAFFIC SIGNAL POST, 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3
INDUCTIVE LOOP DETECTOR	EACH	11
DETECTOR LOOP, TYPE 1	FOOT	680
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5140
SERVICE INSTALLATION, GROUND MOUNTED	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIAMETER	FOOT	1650
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2-1/2" DIAMETER	FOOT	57
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIAMETER	FOOT	53
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIAMETER	FOOT	370
HANDHOLE	EACH	7
DOUBLE HANDHOLE	EACH	1
HEAVY-DUTY HANDHOLE	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1
MASTER CONTROLLER, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED ALUMINUM	EACH	12
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE NO. 20	FOOT	315

* 100% COST TO CALUMET CITY

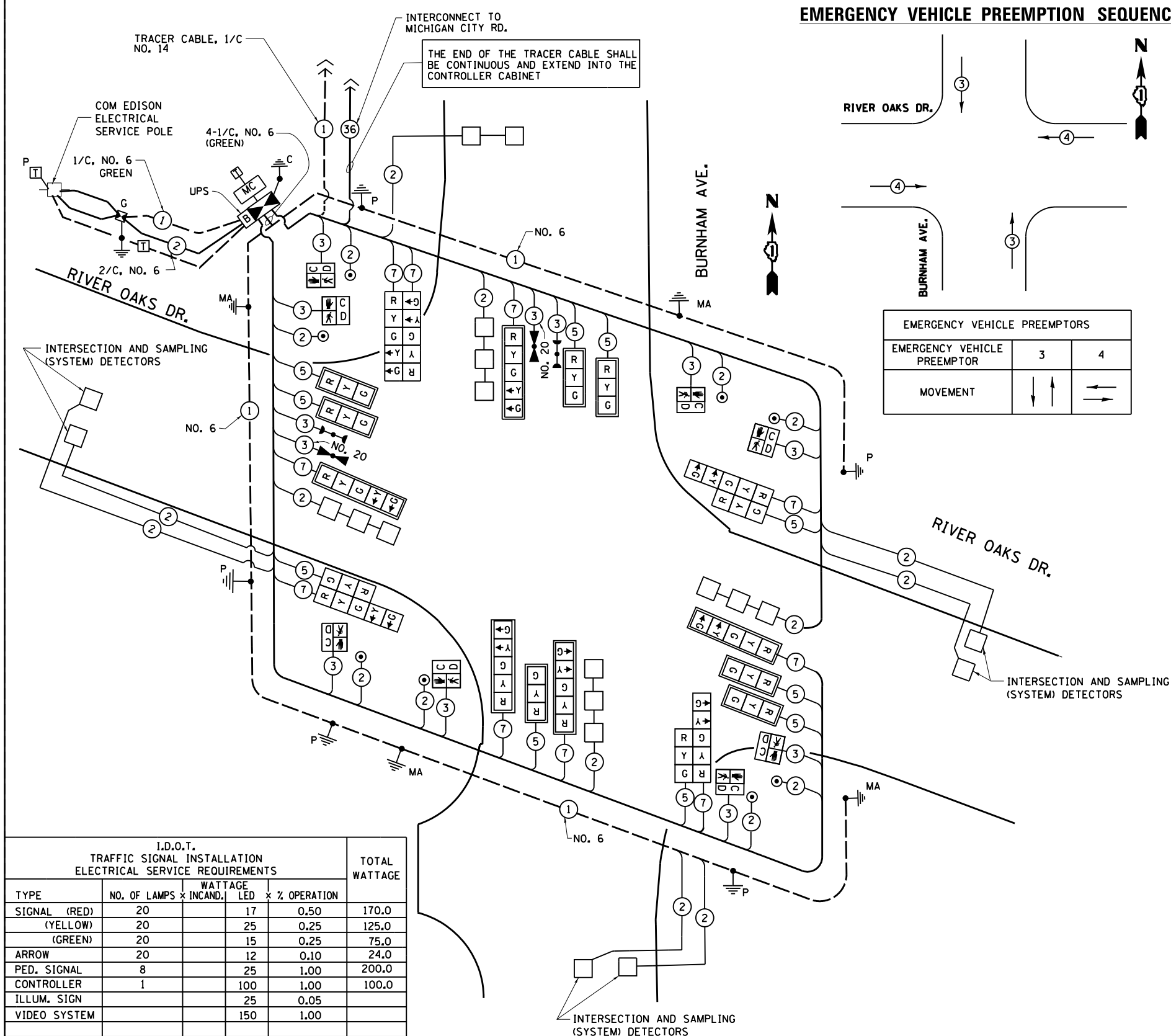
CONTROLLER SEQUENCE



LEGEND

- ⊙ DUAL ENTRY PHASE
- ⊠ SINGLE ENTRY PHASE
- ⊙ OL OVERLAP
- ⊙ PEDESTRAIN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM



CABLE PLAN

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	20		17	0.50	170.0
(YELLOW)	20		25	0.25	125.0
(GREEN)	20		15	0.25	75.0
ARROW	20		12	0.10	24.0
PED. SIGNAL	8		25	1.00	200.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN			25	0.05	
VIDEO SYSTEM			150	1.00	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	694.0

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY: CONTACT: ILYAS MOHIUDDIN
 PHONE: (708) 235-2692
 COMPANY: COMED

FILE NAME =	USER NAME = hamdanah	DESIGNED - JHE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BURNHAM AVENUE AT RIVER OAKS DRIVE CABLE PLAN PHASE DESIGNATION DIAGRAM - SCHEDULE OF QUANTITIES			F.A.U. RTE. 2943	SECTION 3162A-N-1	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 18
et:\pwork\p\dot\hamdanah\0286304\PI11712-sht-typical.dgn	PLT SCALE = 48.0000' / in.	CHECKED - JHE	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
MODELNAME	PLT DATE = 10/22/2012	DATE - OCT. 2012	REVISED -		CONTRACT NO. 60T47							