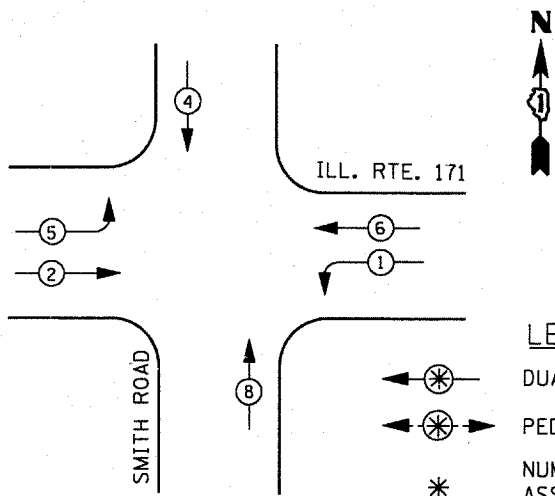
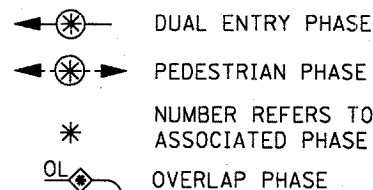


CONTROLLER SEQUENCE



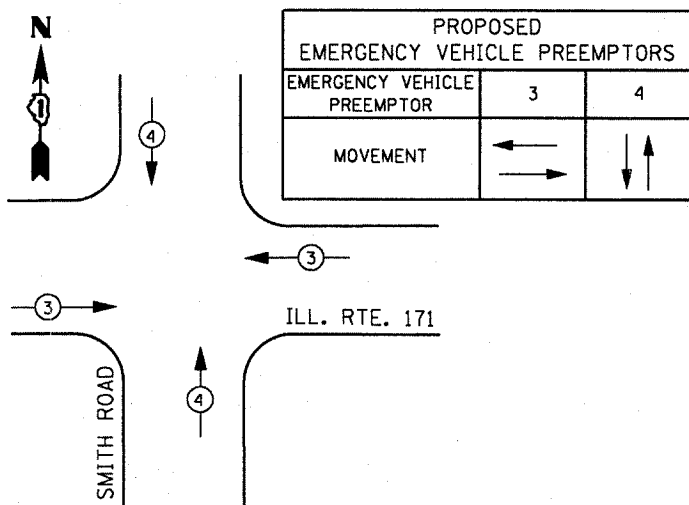
CONSTRUCTION NOTES:
 REMOVE EXISTING CONTROLLER AND CABINET. INSTALL NEW CONTROLLER AND TYPE IV CABINET. SPECIAL, RE-USE EXISTING FOUNDATION.

LEGEND

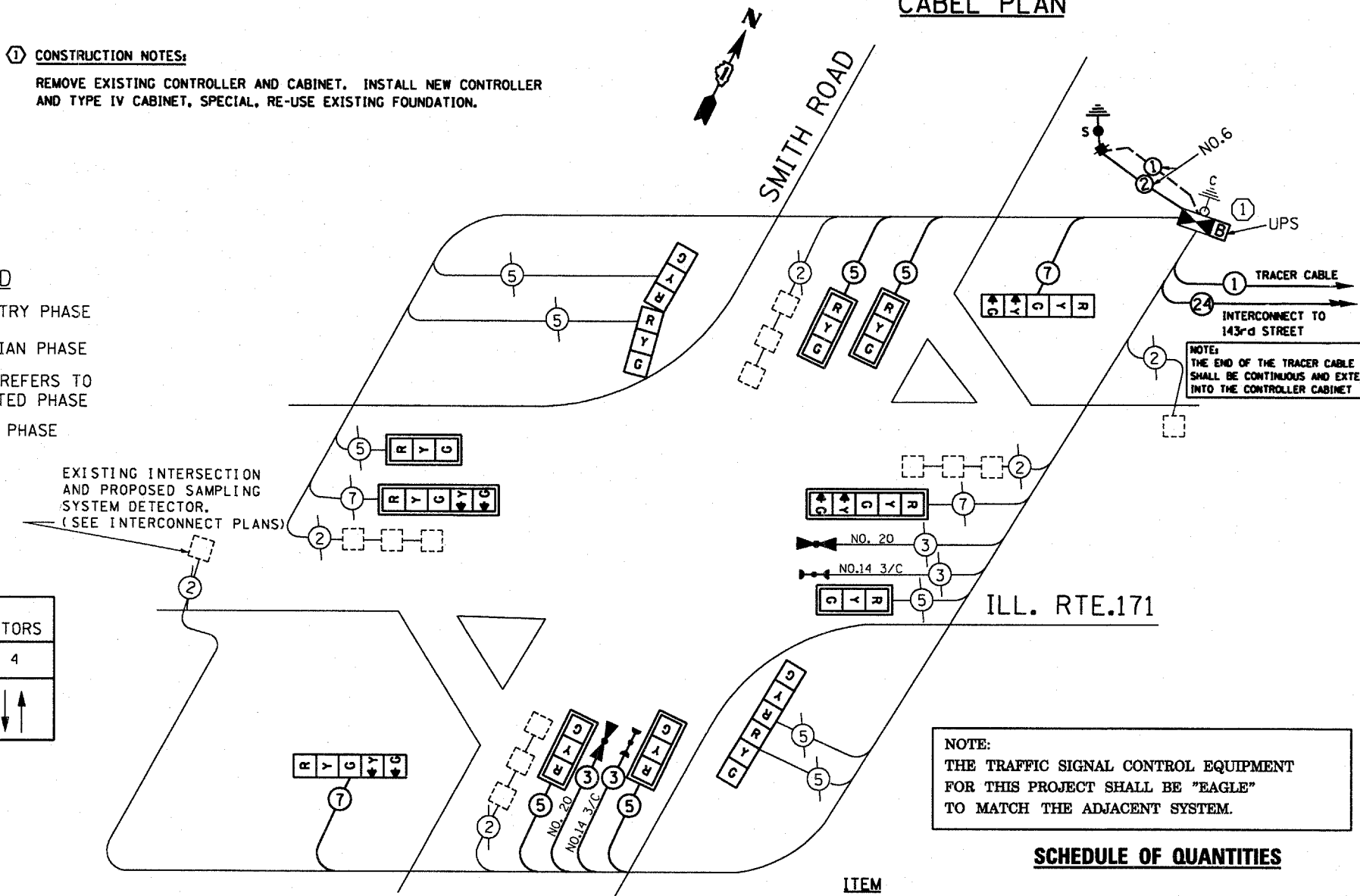


PHASE DESIGNATION DIAGRAM

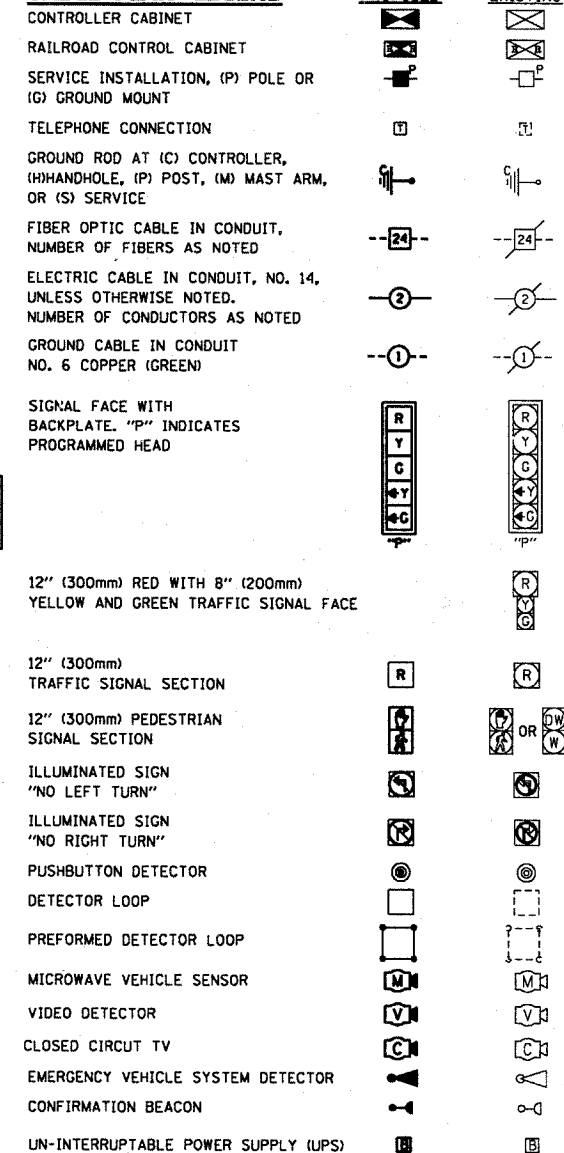
EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABEL PLAN



CABLE PLAN LEGEND



NOTE:
 THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE ADJACENT SYSTEM.

SCHEDULE OF QUANTITIES

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTIBLE POWER SUPPLY (UPS)	EACH	1
DRILL EXISTING HANDHOLES	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2

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'+L-2'= (6m+L-0.6m)=
E - M. ARM POLE	10 (3.0)	SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
		ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

ITEM	UNIT	QUANTITY
TEMPORARY INFORMATION SIGNING	SQ. FT.	102.8
THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	50
CONCRETE FOUNDATION, TYPE "E" 36" DIAMETER	FOOT	30
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	85
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	475
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	35
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	35
* ELECTRIC CABLE IN CONDUIT NO. 20 3C, TWISTED, SHIELDED	FOOT	731
* ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	731
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	808
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	316
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
TRANSCIEVER-FIBER OPTIC	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	6
SERVICE INSTALLATION, POLE MOUNT	EACH	1

* 100% COST WILL BE PAY BY NORTHWEST HOMER FIRE PROTECTION DISTRICT

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	* ZOPERATION	
SIGNAL (RED)	14	135	17	0.50	119.00
(YELLOW)	14	135	25	0.25	87.50
(GREEN)	14	135	15	0.25	52.50
ARROW	8	135	12	0.10	9.60
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 368.60

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY CONTACT: HARRY JOHNS
 PHONE: (815) 724-5057
 COMPANY: COMMONWEALTH EDISON

DESIGNED - SN
 DRAWN - SN
 CHECKED - DAD
 DATE - 3/27/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE SEQUENCE AND SCHEDULE OF QUANTITIES
 IL. 171 (ARCHER AVE.) @ SMITH ROAD

F.A.P. RTE. 577
 SECTION 2004-019 TS
 COUNTY WILL
 TOTAL SHEETS 13
 SHEET NO. 8
 CONTRACT NO. 62738
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT