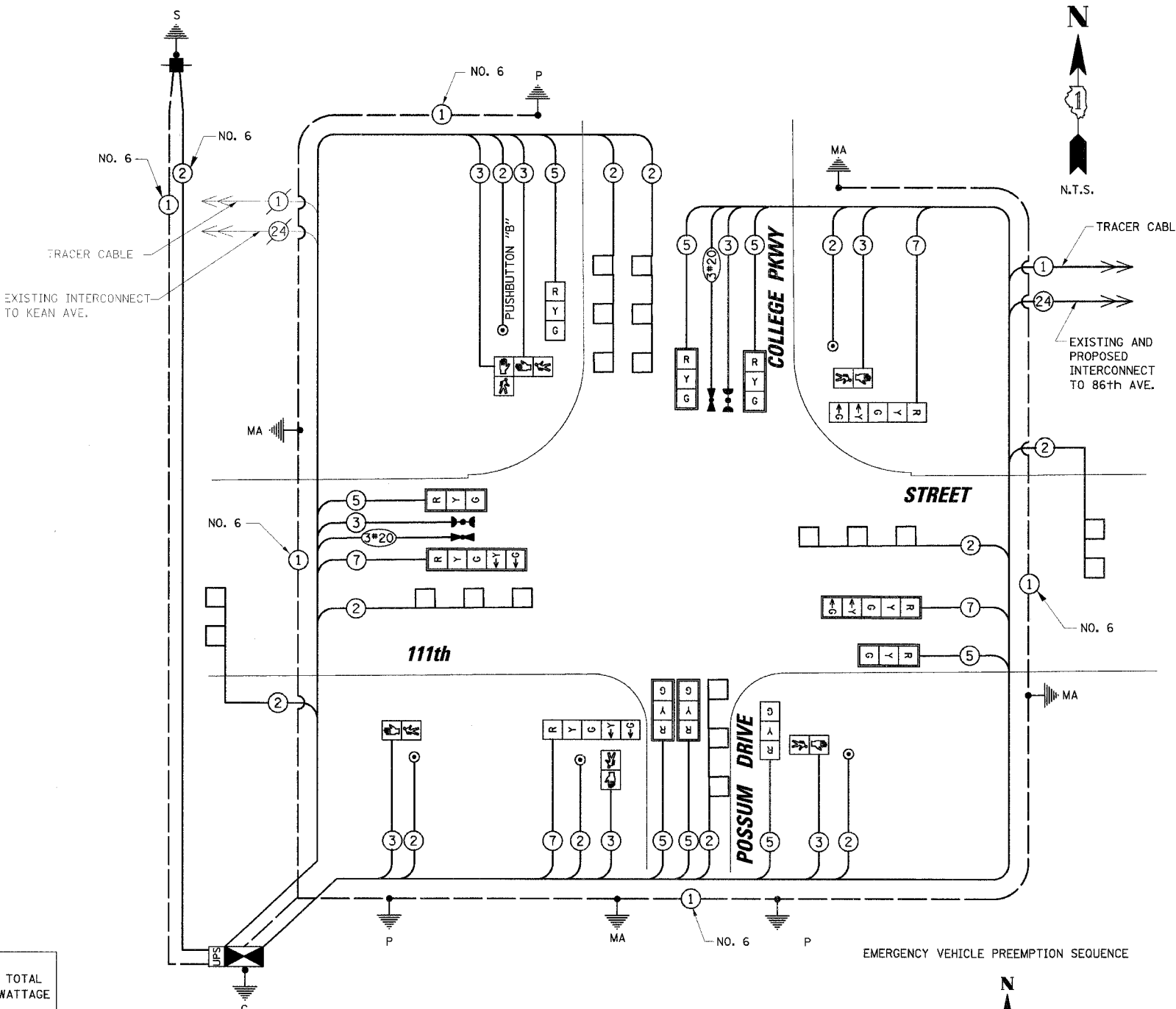
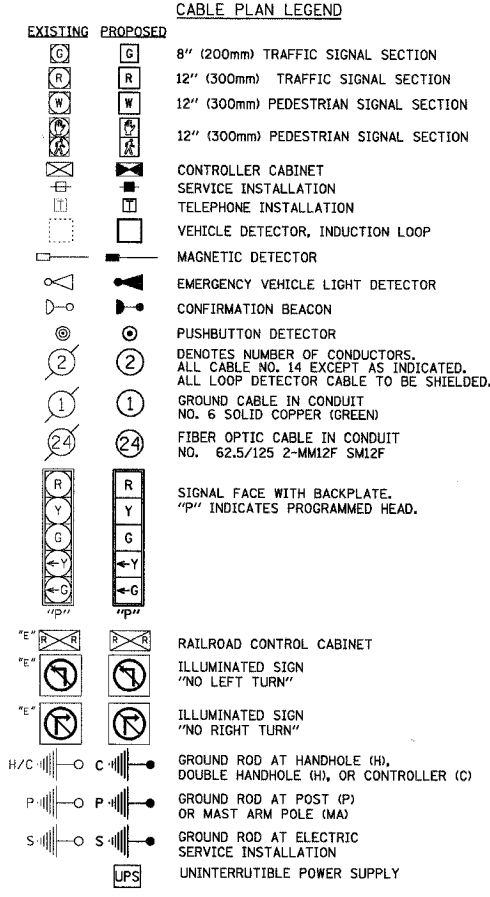


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	04-00029-00-CH	COOK	13	4
STA. TO STA.		ILLINOIS FED. AID PROJECT		
83895				

ITEM	UNIT	TOTAL
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	118
DETECTABLE WARNINGS	SQ FT	63
COMBINATION CURB AND GUTTER REMOVAL	FOOT	8
SIDEWALK REMOVAL	SQ FT	106
MEDIAN REMOVAL	SQ FT	165
PAVEMENT RESTORATION (SPECIAL)	SQ YD	22
EXPLORATION TRENCH (SPECIAL)	CU YD	75
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-8.12	FOOT	27
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	8
SIGN PANEL TYPE 1	SQ FT	98
SIGN PANEL TYPE 2	SQ FT	43.5
THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	163
THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1865
THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	854
THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	38
THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	110
RAISED REFLECTIVE PAVEMENT MARKER	EACH	43
PAVEMENT MARKING REMOVAL	SQ FT	554
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	37
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	243
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	69
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	18
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	69
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	90
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	196
HANDHOLE	EACH	5
HEAVY DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	497
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	788
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1589
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1431
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	691
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1304
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	575
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
CONCRETE FOUNDATION TYPE A	FOOT	12
CONCRETE FOUNDATION TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	45
CONCRETE FOUNDATION TYPE E 36-INCH DIAMETER	FOOT	15
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	7
INDUCTIVE LOOP DETECTOR	FOOT	656
DETECTOR LOOP TYPE 1	EACH	2
LIGHT DETECTOR	EACH	1
LIGHT DETECTOR AMPLIFIER	EACH	5
PEDESTRIAN PUSH-BUTTON	EACH	1
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	484
ELECTRIC CABLE IN CONDUIT NO. 23 3C, TWISTED, SHIELDED	FOOT	481
UNINTERRUPTIBLE POWER SUPPLY AND TYPE III CABINET	EACH	1



NOTES:
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.

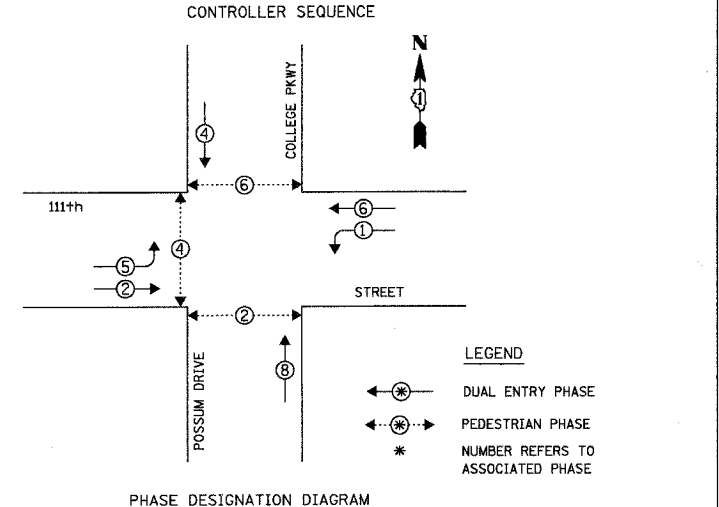
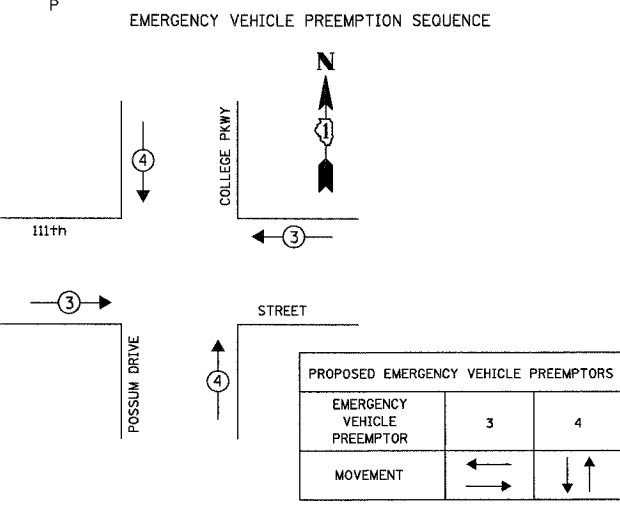
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE	LED	% OPERATION	
SIGNAL (RED) (YELLOW) (GREEN)	12	135	17	0.50	102.00
	12	135	25	0.25	75.00
	12	135	15	0.25	45.00
ARROW	8	135	12	0.10	9.60
PED. SIGNAL	6	90	25	1.00	150.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN	0	252	25	0.05	-

ENERGY COSTS TO: TOTAL = 481.60

CITY OF PALOS HILLS
10335 S. ROBERT ROAD
PALOS HILLS, IL. 60465

ENERGY SUPPLY: CONTACT: NILES AGBKAR
PHONE: (708) 235- 2338
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'+L-2'
E - M. ARM POLE		SIGNAL POST	2 (1.0)		(6m+L-0.6m)
		24" (600mm)	10 (3.0)	CONTROLLER CAB.	13 (4.0)
		30" (750mm)	15 (4.6)	FIBER OPTIC	4 (1.2)
		36" (900mm)	15 (4.6)	ELECTRIC SERVICE	13.5 (4.1)
				SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)



REVISIONS		DATE	

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
111th STREET AT COLLEGE PKWY / POSSUM DRIVE
PALOS HILLS, ILLINOIS

SCALE: N.T.S.
DATE: 2/16/2007

DRAWN BY: FCP/FPB
DESIGNED BY: WCE
CHECKED BY: GMZ

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(815) 825-6500