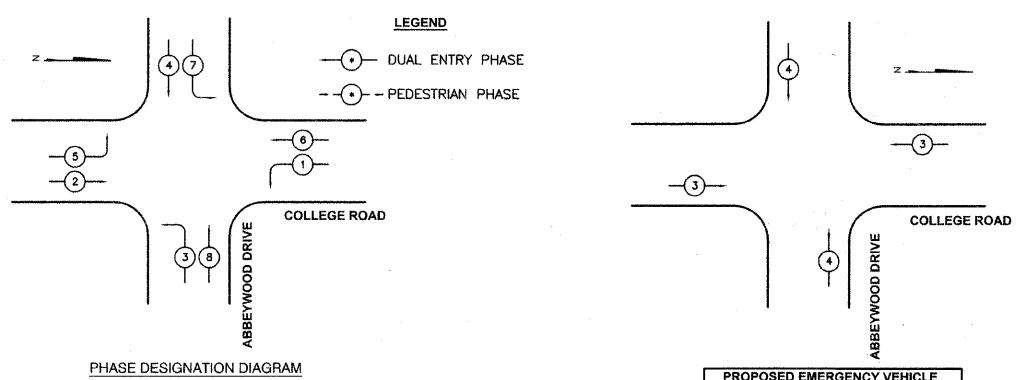
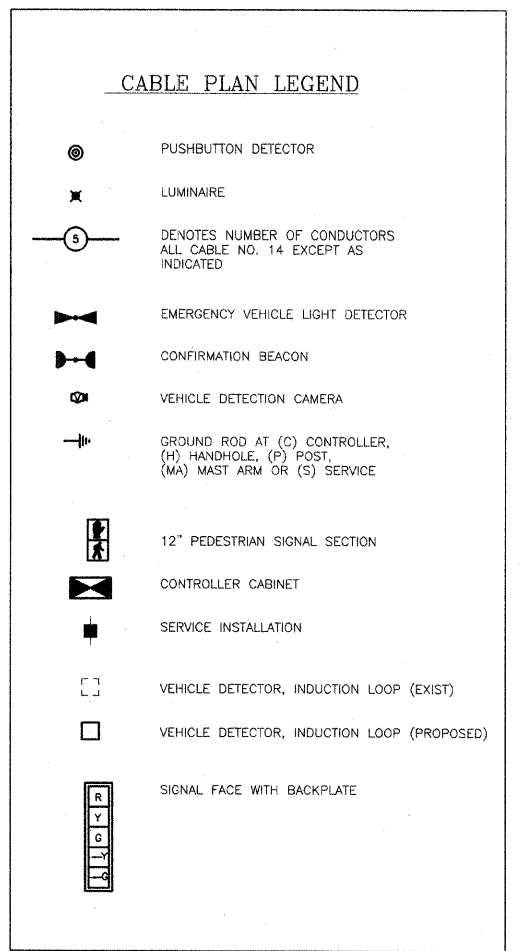
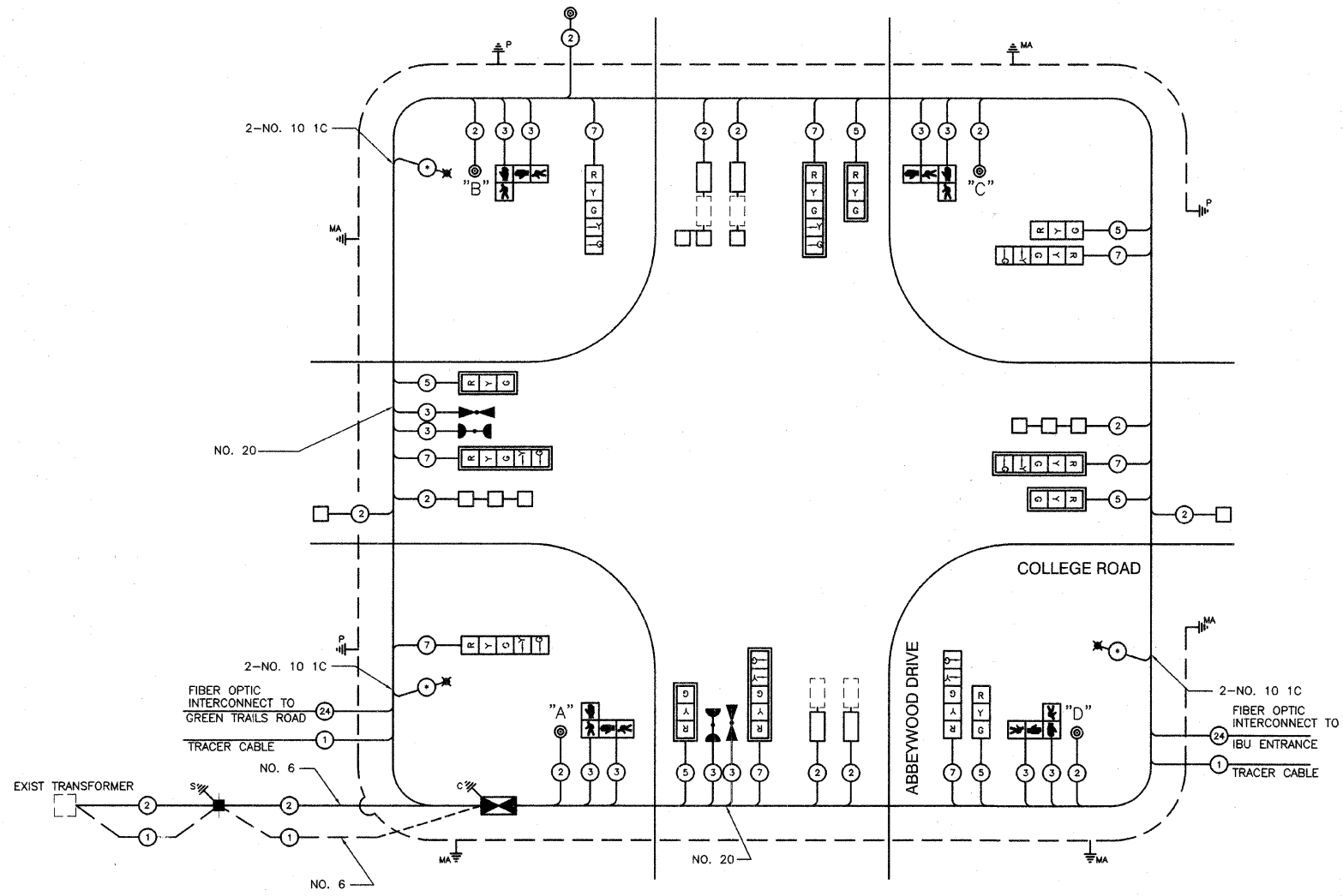


CABLE PLAN

SCHEDULE OF QUANTITIES

PAY CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITIES
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	220
XX008064	SAW CUT CURB	FOOT	23
42400800	DETECTABLE WARNINGS	SQ FT	11
25200110	SODDING, SALT TOLERANT	SQ YD	11
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	490
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	150
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	10
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	115
81018800	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	280
81400100	HANDHOLE	EACH	1
81400200	HEAVY DUTY HANDHOLE	EACH	4
81400300	DOUBLE HANDHOLE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	650
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
86400100	TRANSCEIVER-FIBER OPTIC	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	2295
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1420
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1160
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1390
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PR	FOOT	365
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	245
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1070
X8730250	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	340
X0324477	ELECTRIC CABLE IN CONDUIT NO. 10 1/C	FOOT	1015
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	8
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	15
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
88500100	INDUCTIVE LOOP DETECTOR	EACH	15
88800100	DETECTOR LOOP, TYPE 1	FOOT	655
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
88502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88100400	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	4
82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	3
X8050010	SERVICE INSTALLATION-GROUND MOUNTED	EACH	1
X0324007	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	==	

NOTE: PUSHBUTTON "A" SHALL PLACE CALLS IN PHASES 2 AND 4.
 PUSHBUTTON "B" SHALL PLACE CALLS IN PHASES 4 AND 6.
 PUSHBUTTON "C" SHALL PLACE CALLS IN PHASES 6 AND 8.
 PUSHBUTTON "D" SHALL PLACE CALLS IN PHASES 2 AND 8.

DU PAGE COUNTY D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		OPERATION (%)	TOTAL WATTAGE
		INCAND.	LED		
RED BALL	14	135	10	0.60	84
YELLOW BALL	14	135	22	0.03	9
GREEN BALL	14	135	12	0.37	62
RED ARROW	0	135	5	0.85	0
YELLOW ARROW	8	135	10	0.02	1.6
GREEN ARROW	8	135	5	0.13	5.2
PED - WALK	8	90	5	0.05	2
PED - DON'T WALK	8	90	6	0.95	45.6
CONTROLLER	1	100		1.00	100
LUMINAIRE	2	310		0.50	310
TOTAL=					619

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" (600 mm)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
	30" (750 mm)	FIBER OPTIC	13 (4.0)	PED. BUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	8 (1.8)

REVISIONS

NAME	DATE

DUPAGE COUNTY DIVISION OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITIES COLLEGE ROAD & ABBEYWOOD DRIVE

SCALE: NONE
 DATE: 10/24/08

DRAWN BY: TH
 DESIGNED BY: TH
 CHECKED BY: DAZ