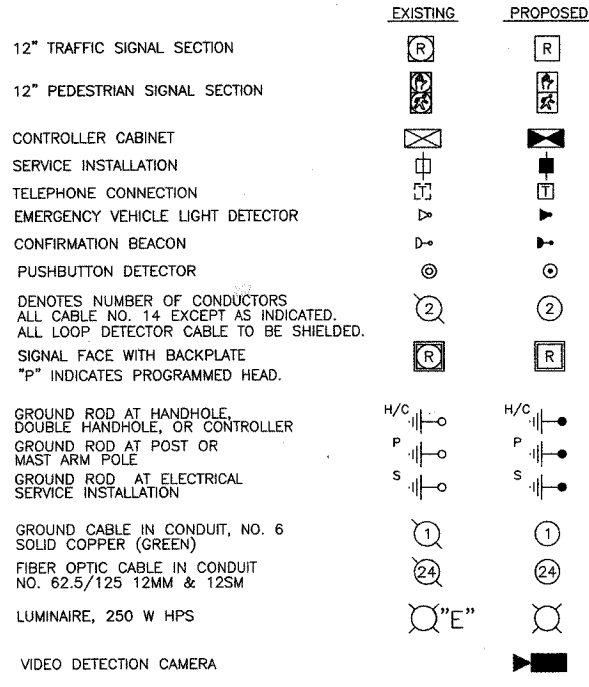


CABLE PLAN LEGEND



SUMMARY OF QUANTITIES

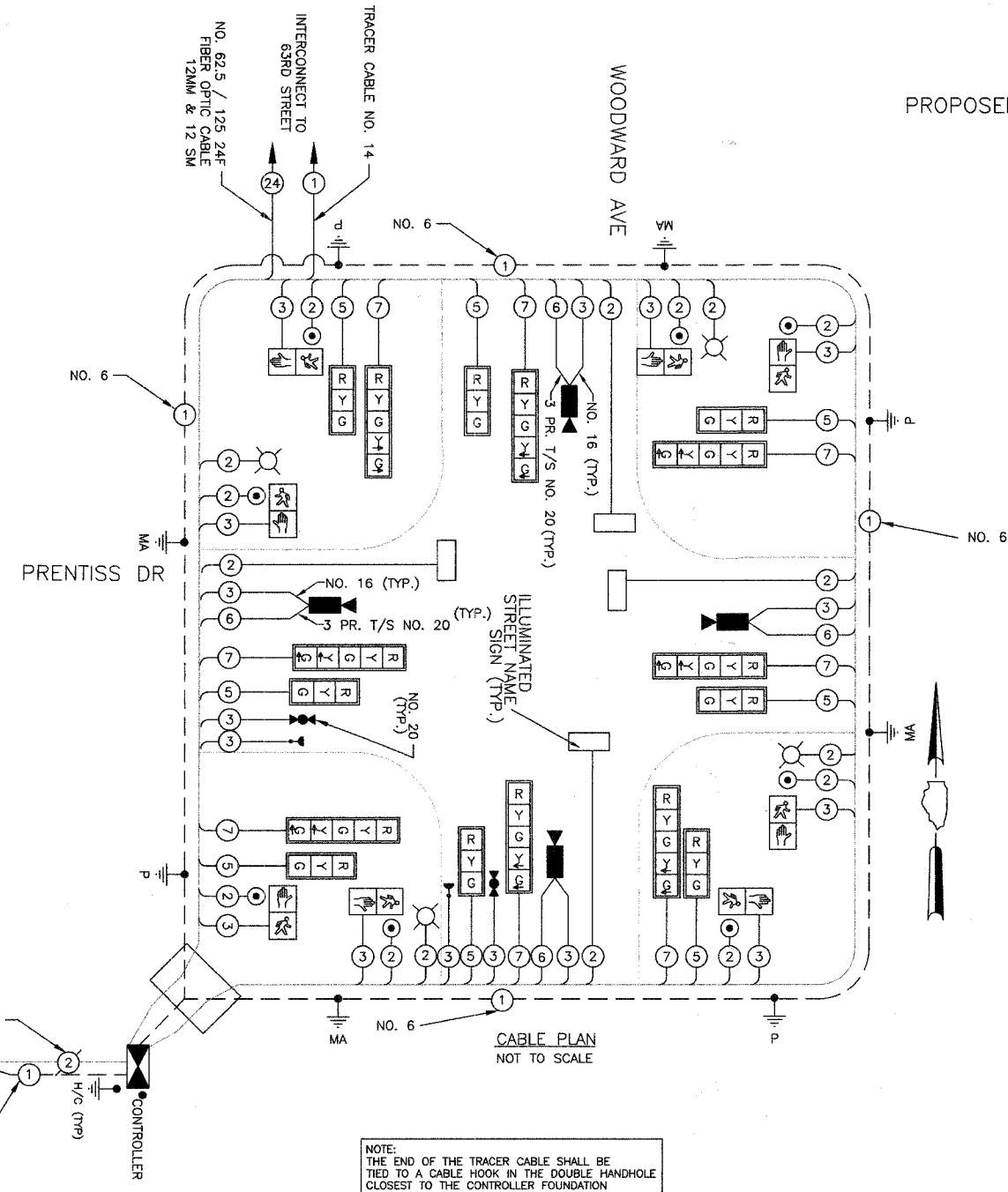
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
81000700	CONDUIT TRENCH, 2 1/2" DIA. GALVANIZED STEEL	990	FOOT
81001000	CONDUIT TRENCH, 4" DIA. GALVANIZED STEEL	275	FOOT
81001100	CONDUIT TRENCH, 5" DIA. GALVANIZED STEEL	10	FOOT
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	6	EACH
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	1	EACH
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	531	FOOT
85700200	FULL ACTUATED CONTROLLER AND TYPE IV CABINET	1	EACH
87100160	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 24F	1600	FOOT
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	2834	FOOT
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	1392	FOOT
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	1392	FOOT
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	1392	FOOT
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	4	EACH
87600200	PEDESTRIAN PUSH BUTTON, TYPE II	8	EACH
87702860	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 26 FT.	2	EACH
87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 32 FT.	2	EACH
87800100	CONCRETE FOUNDATION, TYPE A	16	FOOT
87800200	CONCRETE FOUNDATION, TYPE D	4	FOOT
87800415	CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER	60	FOOT
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	4	EACH
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	4	EACH
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	4	EACH
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	4	EACH
88102740	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE BRACKET MOUNTED	8	EACH
88200100	TRAFFIC SIGNAL BACKPLATE	8	EACH
88700200	LIGHT DETECTOR	2	EACH
88700300	LIGHT DETECTOR AMPLIFIER	2	EACH
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	1	EACH
89100300	ILLUMINATED SIGN	4	EACH
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	1	EACH
89502380	REMOVE EXISTING HANDHOLE	5	EACH
89502385	REMOVE EXISTING CONCRETE FOUNDATION	15	EACH
X0323481	VIDEO VEHICLE DETECTION, 4 CAMERAS	1	EACH
X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C	1600	FOOT
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	1392	FOOT
X8730250	ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, OVERALL SHIELED	540	FOOT
XX003552	VIDEO DETECTION SYSTEM	1	EACH
XX007160	ELECTRIC CABLE IN CONDUIT, NO. 20 6C, TWISTED, SHIELED, 3 PAIR	751	FOOT
X0321760	DOUBLE HANDHOLE REMOVAL	1	EACH

VILLAGE OF DOWNERS GROVE  
PUBLIC WORKS ENGINEERING DIVISION  
5101 WALNUT AVENUE 60515 (630)434-5480

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	N.O. LAMPS	WATTAGE INCAND.	LED	% OPERATION
SIGNAL (RED)	16	17	50	1080
(YELLOW)	16	25	25	439
(GREEN)	16	15	25	439
ARROW	16	12	10	216
PED. SIGNAL	8	25	100	720
CONTROLLER	1	100	100	100
TOTAL =				2994

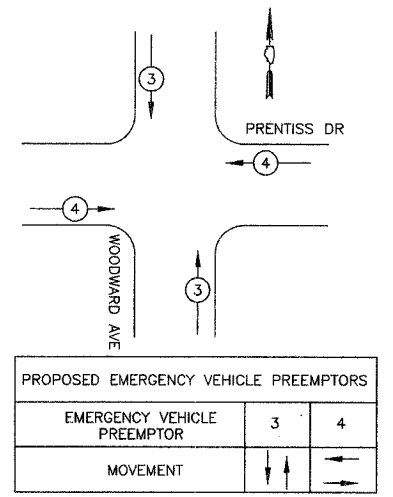
ENERGY COSTS TO: VILLAGE OF DOWNERS GROVE  
5101 WALNUT AVENUE  
DOWNERS GROVE, IL 60515  
CONTACT: BOB TAYLOR  
PHONE: 630-985-4055  
COMPANY: COMMONWEALTH EDISON

TYPE	FOUNDATION (DEPTH) (FT.)	CABLE SLACK (FT.)	VERTICAL (FT.)
A - POST	4	HANDHOLE 6.5	ALL FOUNDATIONS 3.5
D - CONTROLLER	4	DOUBLE HANDHOLE 13	MAST ARM (L) POLE 20+L-2
E - M. ARM POLE	4	SIGNAL POST 2	BRACKET MOUNTED 13
24"	10	CONTROLLER CAB. 1	PFD. PUSHBUTTON 4
30"	15	FIBER OPTIC 13	ELECTRICAL SERVICE 13.5
		ELECTRICAL SERVICE 1	SERVICE TO GROUND 13.5
		GROUND CABLE 1	POST MOUNTED 6

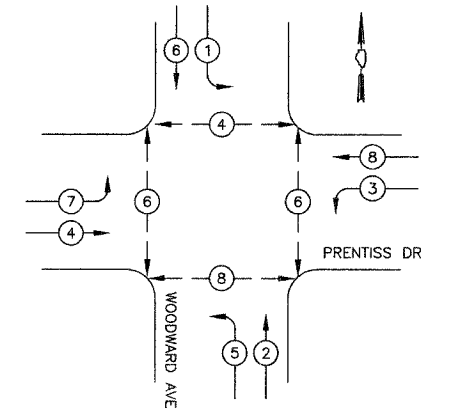


NOTE:  
THE END OF THE TRACER CABLE SHALL BE  
TIED TO A CABLE HOOK IN THE DOUBLE HANDHOLE  
CLOSEST TO THE CONTROLLER FOUNDATION

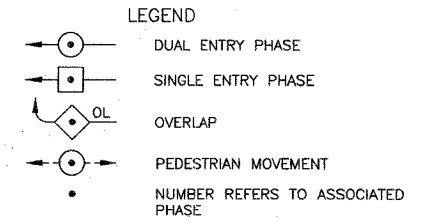
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



REVISIONS		WOODWARD AVENUE IMPROVEMENTS PROPOSED CABLE PLAN, SERVICES & SCHEDULE OF QUANTITIES	
NAME	DATE	DATE: 2/09/07	CHECKED BY: S.A.V.
		SCALE: N.T.S.	DRAWN BY: R.W.B.
FILE NAME: C:\CADFILES\WOODWARD\CABLE-PLAN-PROP			