



CABLE PLAN

CABLE PLAN LEGEND

- | PROPOSED | EXISTING | |
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| | | 8" (200mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | CONTROLLER CABINET |
| | | SERVICE INSTALLATION |
| | | TELEPHONE CONNECTION |
| | | MAGNETIC DETECTOR |
| | | PUSHBUTTON DETECTOR |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | | DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| | | SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD |
| | | RAILROAD CONTROL CABINET |
| | | ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN" |
| | | ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN" |
| | | GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER |
| | | GROUND ROD AT POST OR MAST ARM POLE |
| | | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| | | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F |
| | | MICROWAVE VEHICLE SENSOR |
| | | VIDEO DETECTOR |
| | | CLOSED CIRCUIT TV |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | UNINTERRUPTIBLE POWER SUPPLY |

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
40	SO FT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
40	SO FT	DETECTABLE WARNINGS
0.33	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501
0.33	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	UNINTERRUPTIBLE POWER SUPPLY
95	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
95	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
4	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION OPTICALLY PROGRAMMED, BRACKET MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED
1	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED
8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
4	EACH	ILLUMINATED SIGN, L.E.D.
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
51.4	SO FT	TEMPORARY INFORMATION SIGNING
1	EACH	SERVICE INSTALLATION, POLE MOUNT

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	16		17	0.50	136.00
(YELLOW)	16		25	0.25	100.00
(GREEN)	16		15	0.25	60.00
ARROW	16		12	0.10	19.20
PED. SIGNAL	4		25	1.00	100.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	4		35	0.05	7.00
FLASHER					
ENERGY COSTS TO: VILLAGE OF BURNHAM, 14450 S. MANISTEE AVENUE, CHICAGO, IL 60633					TOTAL = 522.20
ENERGY SUPPLY CONTACT: ANTHONY ESCALANTE, (708) 235-2328, COMMONWEALTH Edison					

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	(m)	VERT.	FT. (m)
TYPE A - POST					
D	6.5	HANDHOLE	13 (4.0)	ALL FOUND	(1.0)
E	2	HANDHOLE	2 (1.0)	MAST ARM (L) POLE	
24" (600mm)	10 (3.0)	TRUCK	13 (4.0)	BRACKET MOUNTED	6m
30" (750mm)	15 (4.5)	TRUCK	13 (4.0)	BRACKET MOUNTED	6m
		OPTIC	4 (1.2)	TON	
		OPTIC	1 (0.3)	TON	
		OPTIC	1 (0.3)	TON	
		OPTIC	1 (0.3)	TON	
		OPTIC	1 (0.3)	TON	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED CABLE PLAN BRAINARD AVENUE AT BURNHAM AVENUE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2009-009 TS	COOK	24	15
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.