



NOTE:
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.

OVERLAP	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5

TEMPORARY CABLE DIAGRAM LEGEND

	PROPOSED	EXISTING
TEMPORARY CONTROLLER CABINET	◻	◻
TEMPORARY SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT	◻ ^P	◻ ^P
TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION, 12" (300 mm)	◻ R	◻ R
12" (300 MM) PEDESTRIAN SIGNAL SECTION	◻	◻
ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED	— 2 —	— 2 —
PEDESTRIAN PUSHBUTTON DETECTOR	⊙	⊙
VEHICLE DETECTOR, INDUCTION LOOP	◻	◻
MICROWAVE VEHICLE SENSOR	◻ M	◻ M
VIDEO DETECTOR	◻ V	◻ V
CLOSED CIRCUIT TV	◻ C	◻ C
EMERGENCY VEHICLE SYSTEM DETECTOR	◻	◻
CONFIRMATION BEACON	◻	◻
WIRELESS INTERCONNECT (ANTENNA)	⊕	⊕
UNINTERRUPTIBLE POWER SUPPLY	◻ B	◻ B

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE (LED)	% OPERATION	
SIGNAL (RED)	12		17	0.50	102.00
(YELLOW)	12		25	0.25	75.00
(GREEN)	12		15	0.25	45.00
ARROW	16		12	0.10	19.20
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN				0.05	
FLASHER				0.50	
TOTAL =					541.20

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±H-0.6m±	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	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	6 (1.8)

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
 ENERGY SUPPLY CONTACT: 708-410-5069
 PHONE: COM. EDISON
 COMPANY:

DESIGNED - STEVEN N./JOE E./BRENDA K.
 DRAWN - STEVEN N./BRENDA K.
 CHECKED - JOE E.
 DATE - 3/15/09

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN
 ILLINOIS RTE.1 @ DIXIE HIGHWAY

F.A.P. RTE. 353/876
 SECTION 2009-033 TS
 COUNTY COOK
 TOTAL SHEETS 49
 SHEET NO. 42
 CONTRACT NO. 60640
 ILLINOIS FED. AID PROJECT