

NOTES:

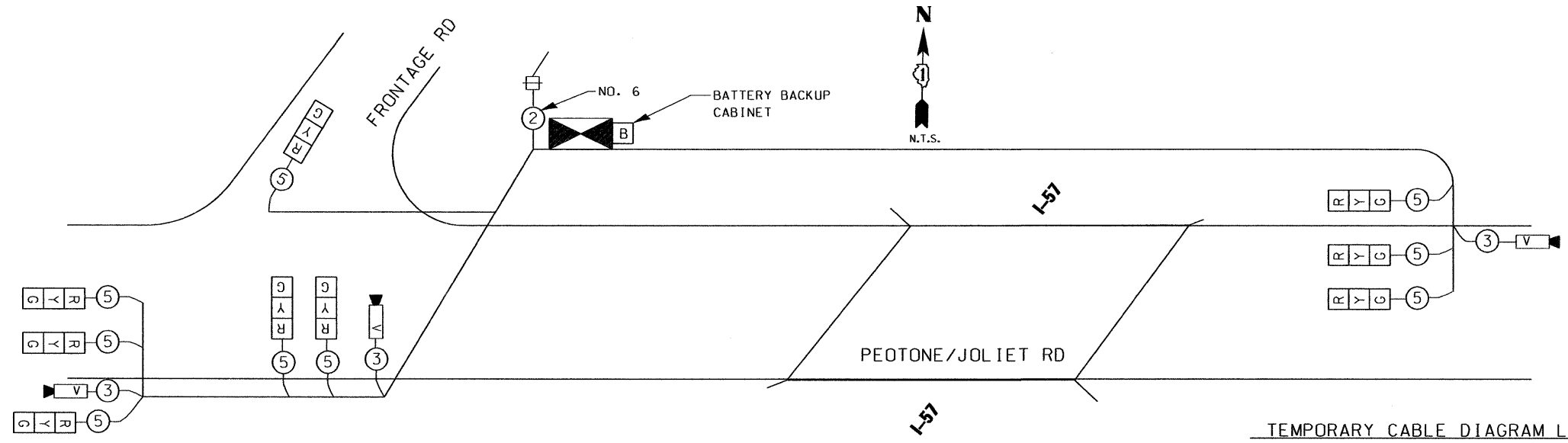
1. CONTROLLER WITH STEEL BASE CABINET AND BATTERY BACK-UP CABINET SHALL BE MOUNTED ON A WOOD STAND.
2. UN-INTERRUPTABLE POWER SUPPLY (UPS) SHALL BE INCLUDED IN "TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION" PAY ITEM.
3. WOOD POLES INSTALLED BY THE TRAFFIC CONTRACTOR (SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR LOCATIONS).
4. ALL SIGNAL HEAD SHALL BE L.E.D.

SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY
X8900005	TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION	EACH	1

LEGEND

- ◉ DUAL ENTRY PHASE
- ◻ PROTECTED LEFT TURN PHASE
- ◊ OVERLAP
- ② PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE



TEMPORARY CABLE PLAN

TEMPORARY CABLE DIAGRAM LEGEND

- ◻ TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- ◻ TEMPORARY CONTROLLER CABINET
- ② INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- ◻ TEMPORARY SERVICE INSTALLATION
- ◻ EMERGENCY VEHICLE LIGHT DETECTOR
- ◻ CONFIRMATION BEACON
- ◉ PEDESTRIAN PUSHBUTTON DETECTOR
- ◻ VEHICLE DETECTOR, INDUCTION LOOP
- ◻ 12" (300") PEDESTRIAN SIGNAL SECTION
- ◻ VIDEO VEHICLE SENSOR
- ◻ MICROWAVE VEHICLE SENSOR
- ◻ CLOSED CIRCUIT TV
- ◻ BATTERY - BACK UP
- ◻ TELEPHONE CONNECTION
- ◻ UNINTERRUPTABLE POWER SUPPLY

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	L.E.D.	OPERATION	
SIGNAL (RED)	9	135	17	0.50	76.5
(YELLOW)	9	135	25	0.25	56.3
(GREEN)	9	135	15	0.25	33.8
ARROW		135	12	0.10	
PED. SIGNAL		90	25	1.00	
COTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
VIDEO VEH. SENSOR	3	15	15	1.00	45
FLASHER				0.50	
TOTAL					311.5

FOUNDATION (DEPTH)	(FEET) (m)	CABLE SLACK	(FEET) (m)	VERTICAL	(FEET) (m)
TYPE A - POST	4 , (1.2)	HANDHOLE	6.5 , (2.0)	ALL FOUNDATION	1.0 , (2.0)
D - CONTROLLER	4 , (1.2)	DOUBLE HANDHOLE	13 , (4.0)	MAST ARM (1.) POLE	20'+L-2 = (6m+L-0.6m)
E - M. ARM POLE	()	SIGNAL POST	2 , (1.0)	BRACKET MOUNTED	13 , (4.0)
24" (600mm)	10 , (3.0)	CONTROLLER CAB.	1 , (0.5)	PED. PUSHBOTTON	4 , (1.2)
30" (600mm)	15 , (4.5)	FIBER OPTIC	13 , (4.0)	ELECTRIC SERVICE	13.5 , (4.1)
		ELECTRIC SERVICE	1 , (0.5)	SERVICE TO GROUND	13. , (4.1)
		GROUND CABLE	1 , (0.5)	POST MOUNTED	6 , (1.8)

ENERGY COSTS - BILLED TO: I.D.O.T
 (ADDRESS) 201 CENTER CT.
SCHAUMBURG, IL 60196

ENERGY SUPPLY - CONTACT:
 PHONE: (708) 235-2327
 COMPANY: COMMONWEALTH EDISON

PLOT DATE = 1/18/2009
 FILE NAME = P:\2007\MEB7808_Ver-Yer_Pht\Cadd\W01\Bases\Sh1_Peotone\TEMP503PEOT.sht
 PLOT SCALE = 20.0000 / IN.
 USER NAME = Millennium Engineering
 MODEL =

200 22ND Street, Suite 216, Lombard, IL 60148
 630.705.0110 voice, 630.839.2566 fax
 www.millenniaeng.com
MILLENNIA ENGINEERING

DESIGNED - TVN	REVISED -
DRAWN - TVN	REVISED -
CHECKED - RPD	REVISED -
DATE - 01/14/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAI 57/I-57
AT N. PEOTONE/JOLIET RD**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	99-2H-1-1-2	WILL	34	11

CONTRACT NO. 60D65
 FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT