

CONSTRUCTION NOTES

1. TEMPORARY RADIO INTERCONNECT MAY BE USED ON THIS PROJECT AS SHOWN IN THE PLANS. RADIO ANTENNAS SHOULD BE INSTALLED ON THE WOOD POLE ADJACENT TO THE TEMPORARY CONTROLLER. ALL WORK RELATED TO INSTALLATION AND ENSURING PROPER OPERATION OF THE TEMPORARY INTERCONNECT SHALL BE INCIDENTAL TO THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
2. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL THROUGHOUT ALL STAGES OF CONSTRUCTION.
3. ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCIDENTAL TO THE COST OF THE "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
4. ALL TEMPORARY TRAFFIC SIGNAL SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. ALL PERMANENT TRAFFIC SIGNAL SECTIONS SHALL BE BAGGED OR REMOVED WHILE THE TEMPORARY TRAFFIC SIGNAL IS IN OPERATION.
5. THE CONTRACTOR MUST PROVIDE ASSURANCE THAT THE RADIO DEVICE WILL OPERATE PROPERLY AT ALL TIMES AND DURING ALL CONSTRUCTION STAGES. IF WIRELESS INTERCONNECT FAILS DURING TESTING OR OPERATIONS, CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING NECESSARY POLES, FIBER OPTIC CABLE AND OTHER INFRASTRUCTURE FOR PROVIDING TEMPORARY FIBER INTERCONNECT AT NO COST TO THE CONTRACT.

CONSTRUCTION NOTES (CONTINUED)

THE CONTRACTOR SHALL REMOVE THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM CONSISTING OF:

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

AND SHALL DELIVER IT TO THE VILLAGE OF PALATINE FIRE DEPARTMENT AT THE ADDRESS BELOW FOR STORAGE. AFTER THE NEW TRAFFIC SIGNAL EQUIPMENT IS IN PLACE, THE CONTRACTOR SHALL BE REQUIRED TO PICK UP ALL DELIVERED EQUIPMENT AND INSTALL THE PHASING UNIT IN THE CONTROLLER CABINET AND THE DETECTOR UNIT ON THE PROPOSED MAST ARM AS INDICATED ON THE PLANS.

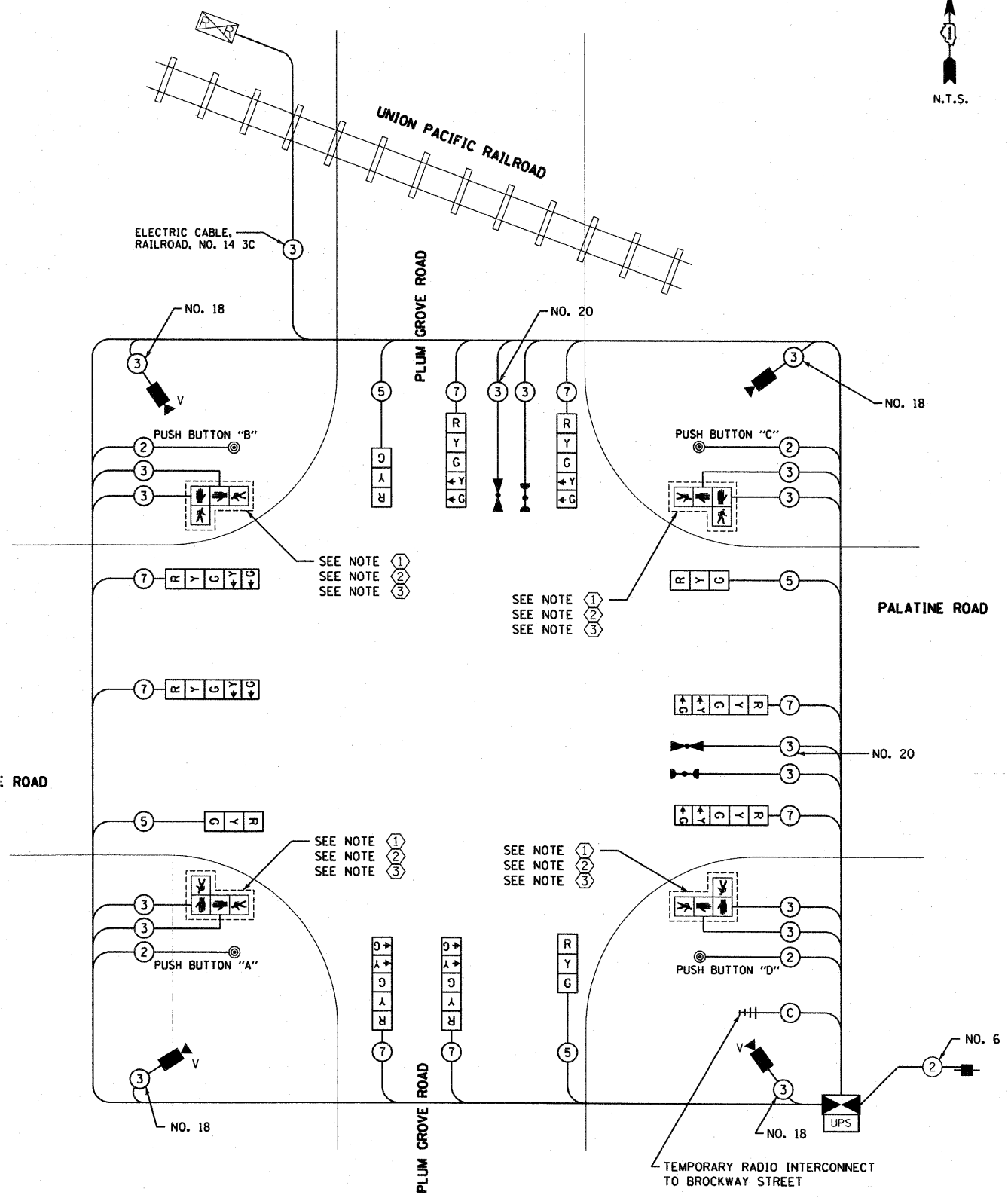
PALATINE FIRE DEPARTMENT
 39 EAST COLFAX
 PALATINE, IL 60067

PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
 PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
 PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
 PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER		25		0.50	
ENERGY COST TO:				TOTAL =	541.2

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY: CONTACT: ELLI SARALLO
 PHONE: (630) 424-5124
 COMPANY: COMMONWEALTH EDISON

PLOT DATE = 08/26/09
 FILE NAME = 02-00075-00-PV
 USER NAME = AUSAER



TEMPORARY CABLE PLAN

NOTE:
 THE TEMPORARY TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TEMPORARY CABLE PLAN LEGEND

- | EXISTING | PROPOSED | |
|----------|----------|---|
| | | 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 (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C). |
| | | GROUND ROD AT POST (P), OR MAST ARM POLE (MA). |
| | | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| | | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 24F |
| | | DENOTED COAXIAL CABLE |
| | | NO. 14 1/C TRACER CABLE |
| | | 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 |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | PUSHBUTTON DETECTOR |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | | DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| | | VIDEO DETECTION CAMERA |
| | | RADIO INTERCONNECT ANTENNA |
| | | UNINTERRUPTIBLE POWER SUPPLY |

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PALATINE ROAD AND PLUM GROVE ROAD
 TEMPORARY CABLE PLAN
 PRE-STAGE, STAGE I, STAGE II
 & FINAL STAGE CONSTRUCTION
 SCALE: NTS
 DATE: OCTOBER 19, 2009
 DRAWN BY: DMB
 CHECKED BY: RY