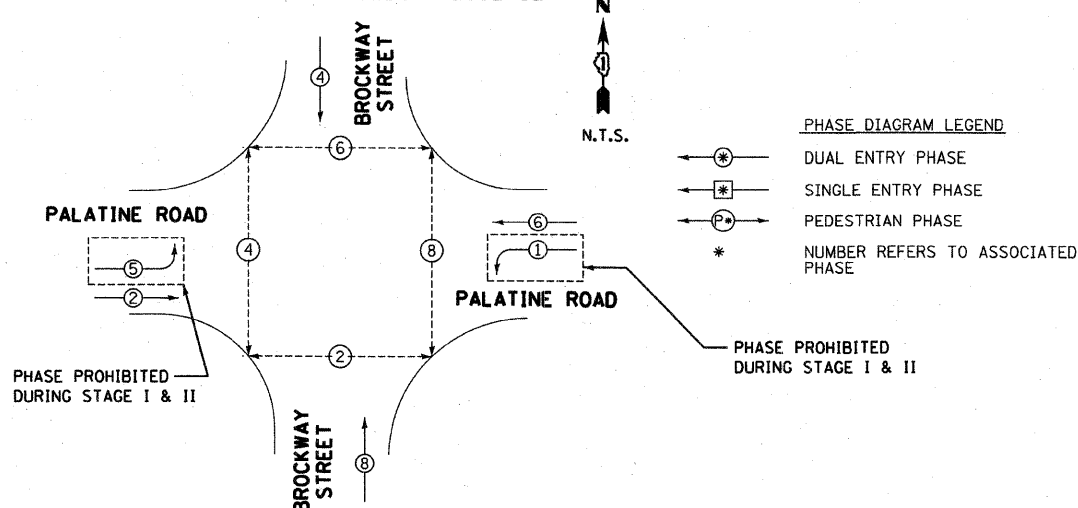


**TEMPORARY CONTROLLER SEQUENCE**



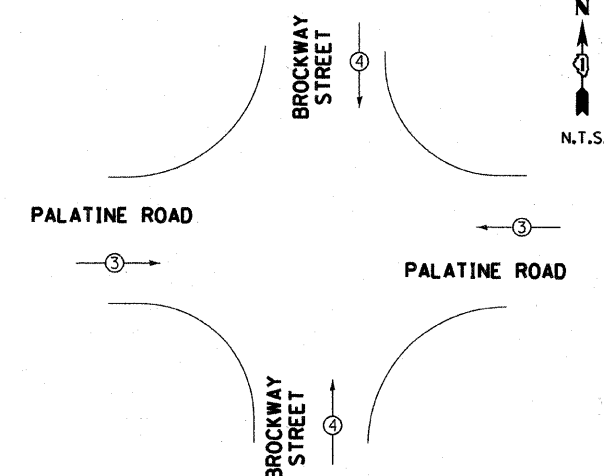
- CONSTRUCTION NOTES**
1. TEMPORARY RADIO INTERCONNECT MAY BE USED ON THIS PROJECT AS SHOWN IN THE PLANS. RADIO ANTENNAS SHOULD BE INSTALLED ON THE WOOD POLE ADJACENT TO THE TEMPORARY CONTROLLER. ALL WORK RELATED TO INSTALLATION AND ENSURING PROPER OPERATION OF THE TEMPORARY INTERCONNECT SHALL BE INCIDENTAL TO THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
  2. 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".
  3. 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.
  4. 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)**
- ① ALL PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED WHEN EXISTING PAVEMENT IS REMOVED.
  - ② ALL PEDESTRIAN SIGNAL HEADS SHALL REMAIN BAGGED UNTIL THE PAVEMENT IS RESTORED TO PROVIDE A SAFE CROSSING AREA.
  - ③ PEDESTRIAN SIGNAL HEADS AT THIS LOCATION SHALL BE DETERMINED BY THE RESIDENT ENGINEER ON LOCATION.

**TEMPORARY PHASE DESIGNATION DIAGRAM**

PRE-STAGE, STAGE I, STAGE II & FINAL STAGE

PROPOSED EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTOR	3 4
MOVEMENT	← → ↑ ↓



**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**

PRE-STAGE, STAGE I, STAGE II & FINAL STAGE

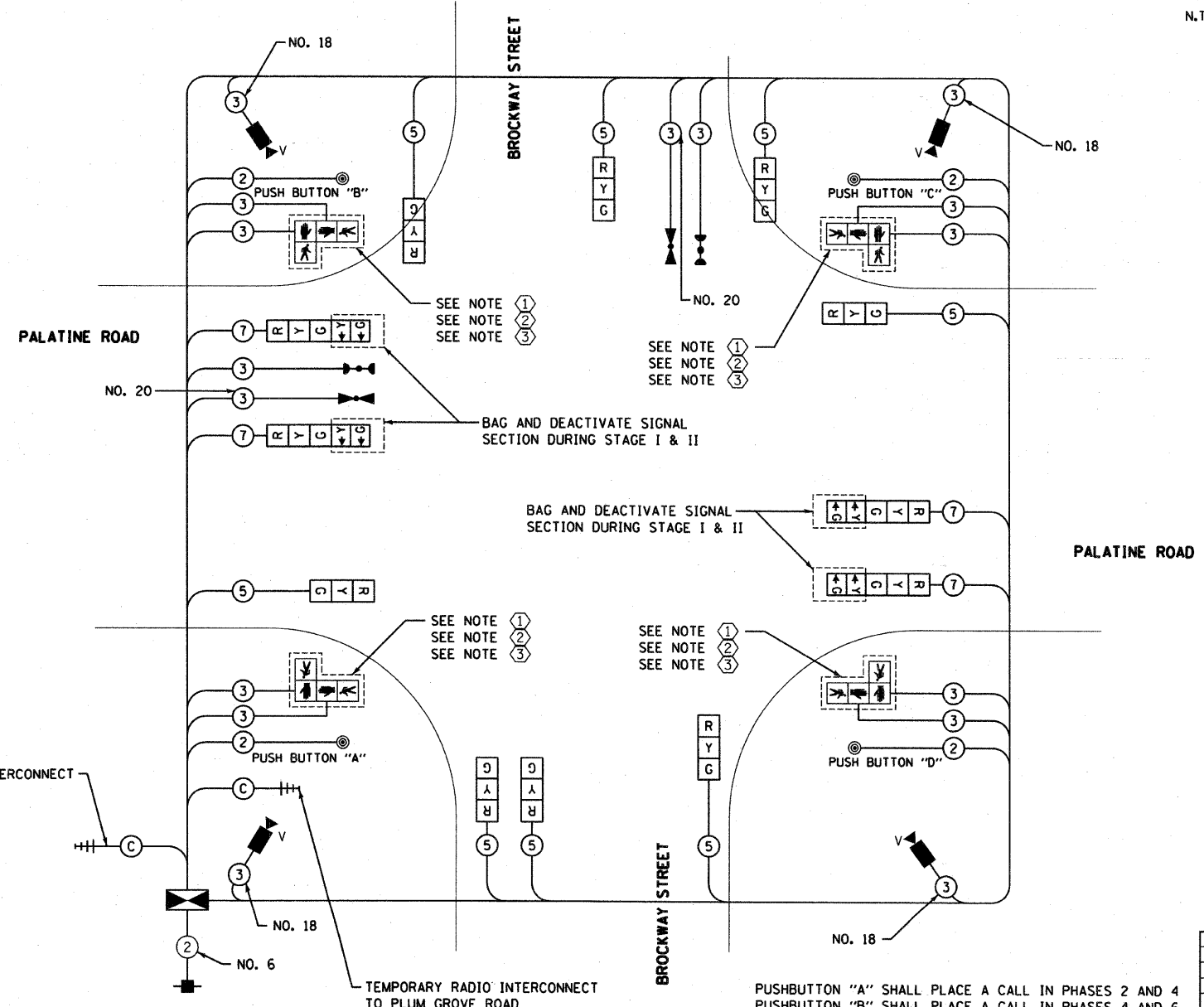
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE	% OPERATION		
SIGNAL (RED)	12	135	0.50		102
(YELLOW)	12	135	0.25		75
(GREEN)	12	135	0.25		45
ARROW	8	135	0.10		9.6
PED. SIGNAL	8	90	1.00		200
CONTROLLER	1	100	1.00		100
ILLUM. SIGN		84	0.05		
VIDEO DETECTION	1		100		150
FLASHER		25	0.50		
ENERGY COST TO:				TOTAL =	681.6

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

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



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

**TEMPORARY CABLE PLAN**

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	VILLAGE OF PALATINE	
		PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION	
		SMITH STREET TO US 14 (NORTHWEST HIGHWAY)	
		PALATINE ROAD AND BROCKWAY STREET	
		TEMPORARY CABLE PLAN, TEMPORARY PHASE	
		DESIGNATION DIAGRAM, TEMPORARY	
		EMERGENCY VEHICLE PREEMPTION SEQUENCE	
		SCALE: NTS	DRAWN BY: DMB
		DATE: OCTOBER 19, 2009	CHECKED BY: RY

PLOT DATE = #DATE#  
 FILE NAME = #SCALE#  
 USER NAME = #USER#