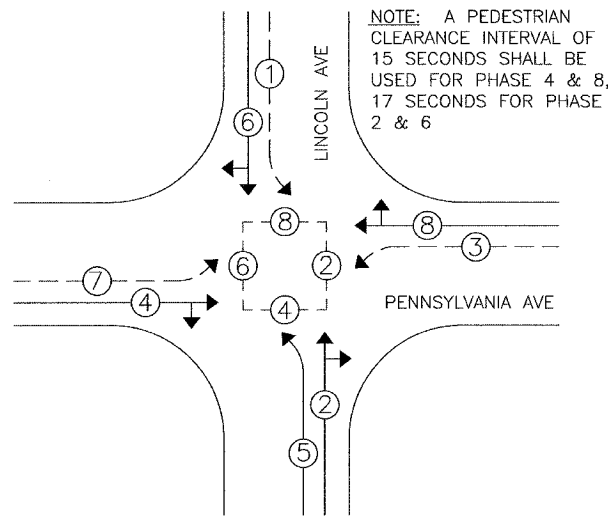


**CABLE DIAGRAM LEGEND**

- CONTROLLER AND CABINET
  - SIGNAL POST OR MAST ARM POLE
  - CONCRETE HANDHOLE
  - CONCRETE DOUBLE HANDHOLE
  - GULFBBOX JUNCTION
  - ELECTRIC CABLE IN CONDUIT
  - SIGNAL FACE WITH TURN ARROW
  - SIGNAL FACE WITH BACKPLATE
  - PEDESTRIAN SIGNAL FACE
  - PEDESTRIAN PUSH-BUTTON APS
  - 2-WAY EMERGENCY PRE-EMPTION DETECTOR
  - CONFIRMATION BEACONS
  - DETECTOR LOOP, 6" X 6"
  - NUMBER OF CONDUCTORS IN CABLE  
ALL CABLE #14 EXCEPT AS INDICATED  
ALL LOOP DETECTOR CABLE TO BE NO. 18 3 PR. TWISTED AND SHIELDED
  - LUMINAIRE, 400W METAL HALIDE
  - LUMINAIRE WITH PHOTOCELL CONTROL
- CONDUIT SIZE  $\frac{1}{2}$ "  $\frac{1}{2}$ "  $\frac{1}{2}$ "
- NUMBER OF CABLES IN CONDUIT
- NUMBER OF CONDUCTORS IN EACH CABLE

**Suggested Timings**

PHASE:	1	2	3	4	5	6	7	8
MIN. GRN. AM	20.0		10.0	7.0	20.0		10.0	
PM	20.0		10.0	7.0	20.0		10.0	
SEC./ ACT.	1.3				1.3			
MAX. GRN. AM	55.0	22.0	9.0	43.0	22.0			
PM	57.0	30.0	7.0	47.0	30.0			
PASSAGE	4.7	3.0	3.0	4.7	3.0			
MIN. GAP	3.2			3.2				
AMB. CLR.	3.5	3.5	3.0	3.5	3.5			
RED CLR.	1.5	1.0	1.0	1.5	1.0			



**Phasing Diagram**

NOTE: A PEDESTRIAN CLEARANCE INTERVAL OF 15 SECONDS SHALL BE USED FOR PHASE 4 & 8, 17 SECONDS FOR PHASE 2 & 6

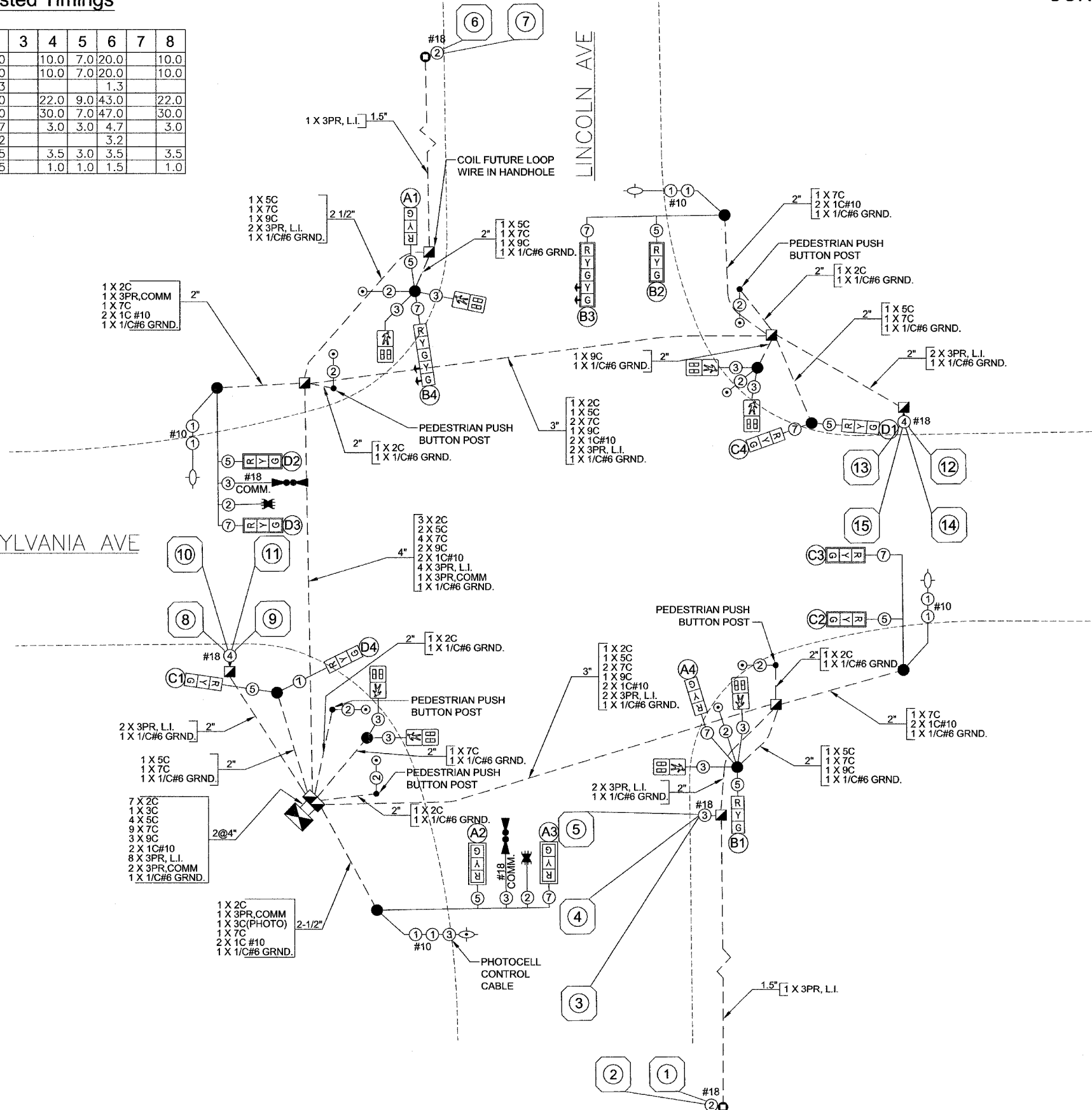
**Detector Loop Data**

LOOP:	SIZE:	MODE:	QUADRA-POLE	DELAY
8,9,10,11 12,13,14,15	6.0 ft.x6.0 ft. 7	PRESENCE	NO	7 8,9,12,13 ONLY
1,2,6,7	6.0 ft.x6.0 ft.	PULSE	NO	0
3,4,5	6.0 ft.x6.0 ft.	PRESENCE	NO	0

THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS:  
(1,2), (6,7), (3,4,5), (8,9,10,11), (12,13,14,15)-  
5 AMPLIFIERS TOTAL REQUIRED WITH 3 AMPLIFIERS INSTALLED FOR FUTURE USE  
THE CONTROLLER SHALL BE SET TO MINIMUM RECALL LINCOLN AVENUE

PENNSYLVANIA AVE

LINCOLN AVE



NO SCALE

**LINCOLN-PENNSYLVANIA TRAFFIC SIGNAL INSTALLATION**  
City Section 04-00396-00-TL

Design/ACAD by: JLS  
Approved by: WRG  
Date: 12/30/05

**TRAFFIC SIGNAL CABLE DIAGRAM**  
H:\j\smith\LINC PENNSIGNAL\LincolnPenn7SignalPlan.dwg

TOTAL SHEETS: 12  
SHEET NO.: 11