

GENERAL CIRCUITING

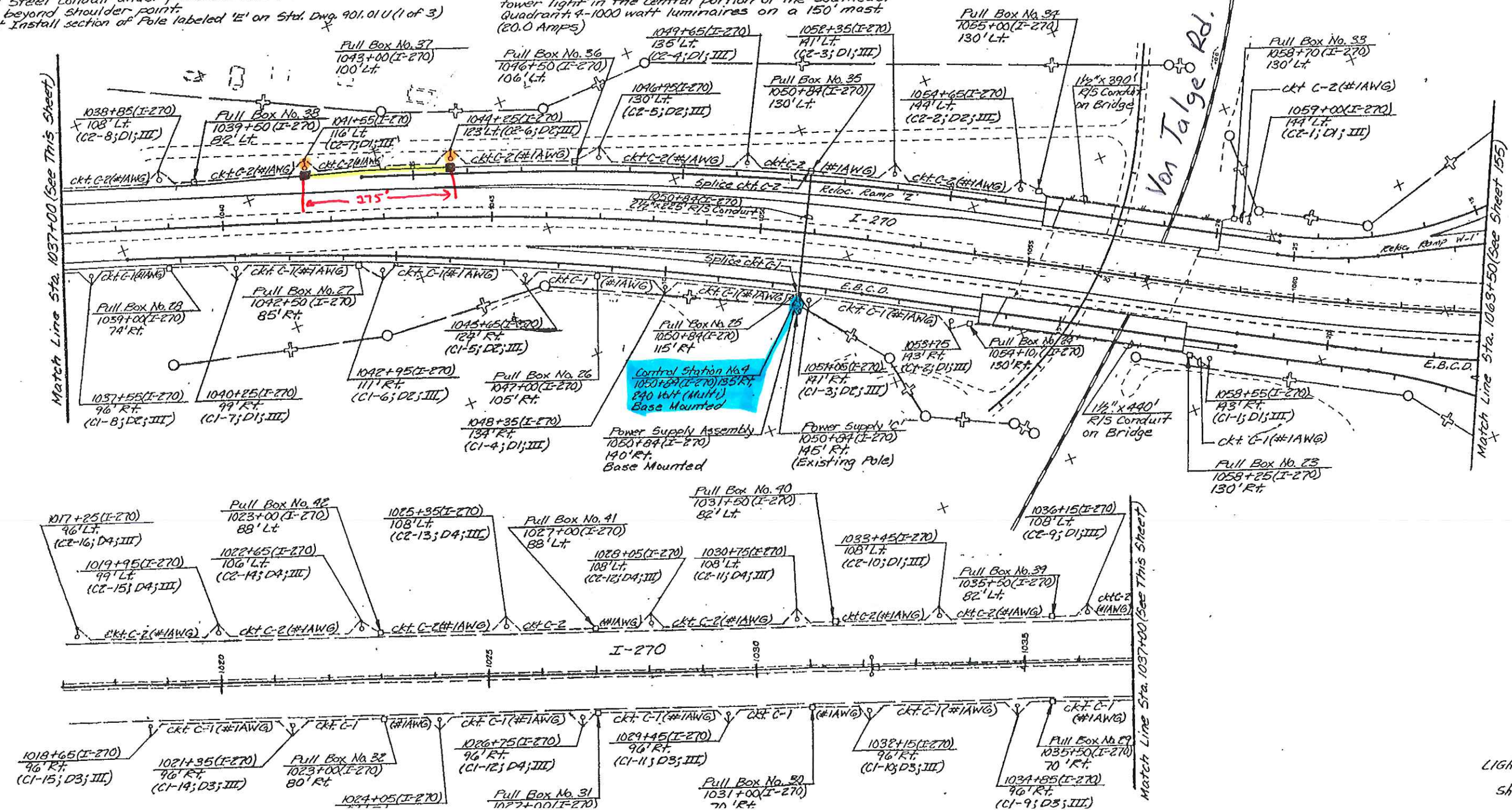


LEGEND

- ⊕ 250 Watt H.P.S. Luminaire & Pole (45' Mounting Height)
- ⊕ 150' Mast w/1000 Watt H.P.S. Luminaires (No. of Luminaires Vary)
- Pull Box
- Single Conductor Cable
- Rigid Conduit Under Pavement
- Exposed Conduit Under Bridge (Hachures Indicate No. of Wires)
- ⊙ Power Supply Station
- ⊙ 250 Watt H.P.S. Underpass Luminaire
- ⊕ 12-3; D3; III - 3rd Light on Ckt. A-2; Pole Height Design; Illumination Distribution
- kt - Circuit
- ⊕ - Control Station, Base Mounted
- R/S - Rigid Steel
- JB - 12"x12" Junction Box Cast into Concrete Traffic Barrier
- Δ - Power Supply Assembly

1. Circuit A-1 serves 13-250 watt HPS Type III medium distribution luminaires on 45' Poles on North-Bound I-55, approaching the interchange. (18.2 Amps)
2. Circuit A-2 serves 13-250 watt HPS Type III medium distribution luminaires on 45' Poles on South-Bound I-55, leaving the interchange. (18.2 Amps)
3. Circuit A-3 serves the most southern high mast tower light in the Southwest Quadrant. 4-1000 Watt luminaires on a 150' mast. (20.0 Amps)
4. Circuit A-4 serves the most northern high mast tower light in the Southwest Quadrant. 4-1000 Watt luminaires on a 150' mast. (20.0 Amps)
5. Control Station No. 2, Circuit B-1 serves the most eastern high mast tower light in the Southeast Quadrant. 4-1000 Watt luminaires on a 150' mast. (20.0 Amps)
6. Control Station No. 2, Circuit B-2 serves the high mast tower light in the central portion of the Southeast Quadrant. 4-1000 Watt luminaires on a 150' mast. (20.0 Amps)
7. Control Station No. 2, Circuit B-3 serves the high mast tower light in the Northeast Quadrant. 4-1000 Watt luminaires on a 150' mast. (20.0 Amps)
8. Control Station No. 3, Circuit B-4 serves 10-250 watt HPS Type III medium distribution luminaires on 45' Poles on East-Bound I-255, leaving the interchange. (14.0 Amps)
9. Control Station No. 3, Circuit B-5 serves 10-250 watt HPS Type III medium distribution luminaires on 45' Poles on West-Bound I-255, approaching the interchange. (14.0 Amps)
10. Control Station No. 3, Circuit B-6 serves 13-250 watt HPS Type III medium distribution luminaires to light the I-270/I-55 Underpass. Rigid Steel conduit on bridge to contain two #2 AWG insulated cables and one #2 AWG bare wire. (18.2 Amps)

NOTES:
 1. Rigid Steel Conduit under pavement shall extend one (1) foot beyond shoulder point.
 2. Do not install section of Pole labeled 'E' on Std. Dwg. 901.01 U (1 of 3)



- 1.) LINE BORE NEEDED FROM PULL BOX TO PULL BOX ON MAP.
- 2.) #1 AWG WIRE NEEDED.
- 3.) PULL BOXES ARE LOCATED DIRECTLY IN FRONT OF LIGHT POLES.
- 4.) LINE BORE IS APPROXIMATELY 275 FEET.
- 5.) LIGHT POLES IN ORANGE
- 6.) LINE BORE IN YELLOW
- 7.) PULL BOXES IN BLACK
- 8.) CONTROLLER IN BLUE