

**80% PLAN SUBMITTAL (CONTINUED)**

- 2) Reference associated sign plan sheet in the reference box on signal plan sheet, (Series No. and Page No.). [\[Appendix IVA-5\]](#)

**Lighting, Utilities & Bridges Plans**

- 1) Identify power source for combination luminaire signal poles and show luminaire electrical service connection. [\[Appendix VB-3\]](#)
- 2) Coordinate electrical wiring for combination luminaire signal poles with lighting design. [\[Sec. V, Chapter 4, 4.5.2\]](#)
- 3) Orient combination luminaire signal poles in accordance with the lighting design. [\[Sec. V, Chapter 4, 4.5.2\]](#)
- 4) Verify power provider approves traffic signal electrical service connection location. [\[Sec. IV, Chapter 4, 4.1, Step 11\]](#)
- 5) Ensure signal poles, mast arms, pedestal poles, etc. are not in conflict with underground or overhead utilities.
- 6) Ensure conduits and junction chambers are provided by the structure and bridge designer, if required.
- 7) Reference lighting, utility and bridge plan sheets in the reference box on signal plan sheet, (Series No. and Page No.). [\[Appendix IVA-5\]](#)

**Signal Plan Layout**

- 1) Update traffic signal plan base sheets with most current roadway design plan sheets. [\[Sec. IV, Chapter 4, 4.1, Step 2\]](#)
- 2) Ensure all traffic signal infrastructure is within right of way or authorized easements.
- 3) Verify traffic signal infrastructure (poles, foundations, cabinets, etc) is free from conflict with underground and overhead utilities.
- 4) Locate traffic signal structures either outside of clear zone, protected by guardrail or made breakaway design.
- 5) Locate vehicle signal heads properly and in accordance with guidance provided in the Traffic Signal Questionnaire and MUTCD. [\[Sec. IV, Chapter 4, 4.1, Step 9\]](#)
- 6) Verify pedestrian signal heads are in proximity to and visible within crosswalk. [\[Sec. IV, Chapter 4, 4.1, Step 9\]](#)
- 7) Ensure pedestrian pushbuttons are located correctly and readily accessible from the sidewalk, (meets ADA requirements). [\[Sec. IV, Chapter 4, 4.1, Step 10\]](#)
- 8) Locate the controller cabinet where maintenance activities will least likely be hindered. [\[Sec. IV, Chapter 4, 4.1, Step 11\]](#)
- 9) Identify electrical service type for the traffic signal on plan sheet and ensure it agrees with Summary of Quantities pay item. [\[Sec. IV, Chapter 4, 4.1, Step 11\]](#)
- 10) Provide electrical grounding conductors on plan sheet.
- 11) Ensure signal equipment (heads, pushbuttons, detections and specialty devices) are wired correctly. [\[Sec. IV, Chapter 4, 4.1, Step 14\]](#)