

Each of the previously mentioned typical roadway designs is discussed in detail in both the AASHTO and FHWA lighting warrant sections.

3.10.1 Items to be installed by Others

Not all lighting systems will be owned and maintained by the State after installation.

For example, the lighting system may be part of an urban roadway project. In this situation, the State may design the system, the local power utility may install and maintain it, and the local government may pay for the cost of operating the lighting system. These systems may not include some of the typical VDOT lighting system components, such as a lighting control center.

The lighting designer must determine those items to be installed by the VDOT Contractor and those items to be installed by “Others” at the project Scoping Meeting. The following checklist provides an example of items that need to be considered:

| | Items to be installed by VDOT Contractor | Items to be installed by Others |
|---|--|---------------------------------|
| Locations where conduit or pipe sleeve must be jacked or bored under roadways | | |
| Junction Boxes | | |
| Lighting Control Center | | |
| Electrical Service | | |
| Pole Foundations, e.g.; ground mount, bridge parapet, median mount, retaining wall, other: | | |
| Poles, e.g.; architectural, ground mount, bridge parapet, median mount, retaining wall, other: | | |
| Luminaires, e.g.; standards roadway luminaires, architectural, under bridge, recessed wall or ceiling, other: | | |
| Conduit, e.g.; buried, bridge parapet systems, exposed, other: | | |
| Conductor Cable, e.g.; direct bury, buried conduit, bridge conduit, median/retaining wall conduit, other: | | |

The selection of other components, such as poles and luminaires, may be restricted to units stocked in the power company’s inventory. In this case, the VDOT lighting designer may be required to specify only the number and location of lighting standards as well as any junction boxes, conduit and jacked pipe installations. The power company, working with the VDOT contractor, will provide the lighting poles, luminaires and supporting electrical equipment. The **VDOT Local Assistance Division**, [Urban](#)