

2.8.5.5 VDOT Standard Junction Boxes



Figure 2-19: Standard VDOT Junction Box

VDOT Standards provide 2 Junction Box styles and has 5 different sizes. It is not uncommon for the VDOT District or Residency to dictate the choice of junction box. The following notes briefly describe each style. The “*” noted below designates the size of the junction box. The designer should reference the [VDOT Road and Bridge Standards, Section 1300](#) for a more detailed description of these components.

- **JB-*R:** The concrete junction box, may be pre-cast or cast in place. This item is preferred for traffic use areas.
- **JB-*S:** The fiberglass junction box. See in Figure 2-19. The bottom of the box is open and placed on 12” of gravel fill. This item is for non-deliberate traffic use areas.

The lighting designer should note:

- Roadway lighting projects normally call for JB-S1, JB-S2, JB-R1 or JB-R2, however, there is no restriction on using any of the other VDOT standard boxes.
- The VDOT standard junction box pay item is a “JUNCTION BOX JB-S1, JB-S2, JB-S3, JB-R1 or JB-R2. This standard allows the contractor flexibility in choosing the type of junction box to install. However, if the Regional Traffic Engineer requests a particular style of junction box, the lighting designer must specify that type as a