

# EXPECTED IMPLEMENTATION (FY 2023-24)

## 635 PULL, SPLICE, AND JUNCTION BOXES. (REV 9-20-22) (FA 9-28-22) (FY 2023-24)

SUBARTICLE 635-3.2 is deleted and the following substituted:

**635-3.2 Pull and Splice Boxes:** Install pull and splice boxes in accordance with Standard Plans, Index 635-001. Ensure pull and splice boxes are sized for the amount of cable to be placed inside. Ensure that the pull or splice box cover is flush with the concrete apron or sidewalk. Do not install pull or splice boxes in roadways, driveways, parking areas, or public sidewalk curb ramps. Avoid placing pull and splice boxes in low-lying locations with poor drainage.

Ensure that pull and splice boxes house fiber optic cable without subjecting the cable to a bend radius less than 14 times the diameter of the cable. Install identification plates according to the box manufacturer's instructions.

**635-3.2.1 Placement and Spacing:** Place pull and splice boxes as shown in the Plans and at the following locations, unless directed otherwise by the Engineer:

1. At all major fiber optic cable and conduit junctions.
2. Approximately every 2,500 feet for fiber optic cable applications in rural areas with any continuous section of straight conduit if no fiber optic cable splice is required.
3. At a maximum of 1,760 feet for fiber optic cable applications in metropolitan areas.
4. At a maximum of 500 feet for electrical applications.
5. At each end of a tunnel, and on each side of a river or lake crossing.
6. On each side of an aboveground conduit installation, such as an attachment to a bridge or wall.
7. At all turns in the conduit system.
8. Near the base of a service pole or communication cabinet to

provide:

- a. A transition point between the fiber optic conduits extending from the fiber backbone and the conduit feeding the communication cabinet.
- b. An assist point for the installation of fiber optic drop cable.
- c. Storage of slack fiber optic drop cable.