

Traffic Signal Cabinet Base Installation

Installation Instructions

1. General

- 1.01 This section covers the description, installation and use of traffic signal cabinet bases for traffic signal cabinets.
- 1.02 The foundation base is designed for most cabinets now being used in the field.

2. Description and Use

- 2.01 The foundation base is constructed of polymer concrete and reinforced by a heavy-weave fiberglass mat.
- 2.02 The types and sizes of the bases vary depending on the size of the cabinet to be installed.
- 2.03 Inserts (1/2" anchors) are molded into the base and must align with the cabinet footprint.
- 2.04 Base is resistant to most chemicals.

3. Installation

- 3.01 The following installation procedure is the same for all sizes of foundation pads.
- 3.02 Determine cable/conduit entry position.
- 3.03 Excavate to the proper depth for traffic cabinet signal base. (The base should extend no more than 50% above grade level.)
- 3.04 Excavate the site to the proper depth as determined by the final grade. The work pad may be installed directly on undisturbed soil. (If the soil compaction is substandard, or if you wish to provide drainage, you need to lower the excavation 4" to 6" to accommodate pea gravel.)
- 3.05 Install conduit, 90° bends, to extend at least 2" above final grade of the base.
- 3.06 Compact the soil or pea gravel base.
- 3.07 Install the traffic signal cabinet base. When lowering the base in place, be sure the conduit is straight in line with the opening on the top surface of the base. After setting the base, check for alignment and plumb.
- 3.08 Backfill evenly around the base to maintain alignment and plumb. Tamp backfill after each 4" fill. Fill 1" to 2" above grade and tamp to grade.
- 3.09 Set the cabinet.

