MICROLEOP INSTALLATION
(Individually Highway)

Approximate Edge of Pavement (Typ)
Edge of Travelway (Typ)

Capped at End with Locator
No. 7 Master Pull Box

To Cabinet Location
May Vary see Note 9

Stacked No. 7 Pull Box
(Typ)

Notes:
1. Microloop installations require two parallel directional drilling
   boxes, 26' apart, leading edge to leading edge, and 18' to 24'
   beneath the roadway for each direction of the roadway.

2. Microloop speed monitoring systems require 2 Microloops sensor
   sets per conduit per lane, one in the leading conduit and one in
   the lagging conduit, evenly distributed across the lane. (A
   Microloop sensor set is defined as a 1, 2, or 3 probe sensor
   set that is wired in series at the factory, resulting in a
   single sensor).

3. All excavated material not reused shall be properly disposed of.

4. Where pull boxes are used to terminate conduit for the directional
   drilling, an extension or deeper pull box shall be used.

5. Refer to the STI Canoga Traffic Sensing System Technical
   Bulletin describing Directional Drilling for Installing Conduit for
   702 Microloops.

6. An Approved Directional Drilling Contractor Certification Course
   must be completed prior to installation.

7. Contact MPO Traffic Monitoring Section at (602-712-8585) no less
   than 10 working days prior to Installation of the loop detectors.
   MPO Traffic Monitoring System will have a technician available to
   oversee the installation, and to answer any questions pertaining
   to the proper installation and layout of the Microloop components.

8. See T.S. 6-7 for pull box and pull box installation details. Use
   heavy duty No. 7 pull box either stacked or extended 12-inch
   boxes or 24-inch deep box with a concrete collar.

9. See T.S. 6-7 for cabinet placement and installation details.

SECTION J-J
(Microloop directional drill boring)

Depth of Pavement Varies

18" Min
24" Max

3" Conduit

16"

3" Conduit

SECTION H-H

NOT TO SCALE