**Microloop Placement in New Pavement**

**Notes:**
- Drill 1/2" dia. holes to a minimum of 2 in. below bottom of microloop detector probe.
- Drill 1/2" dia. holes around top of conduits.
- 4" wide trench bed fill with sand and compact to density of surrounding material and test microloops prior to placing PCC pavement.
- Install 1" dia. conduit, and install microloop detector as shown. Recompact aggregate base to the density of surrounding material and test microloops prior to placing PCC pavement.
- Seal as recommended by detector manufacturer.

**Microloop Placement in Existing Pavement**

**Notes:**
- Drill 1/2" dia. holes, cut saw slot in the pavement, install 1 in. conduit, and install microloop detector as shown. Recompact aggregate base to the density of surrounding material and test microloops prior to placing PCC pavement.
- Fill 1" dia. conduit with sand, seal 1/2" dia. holes, cut saw slot in the pavement, install 1" dia. conduit, and install microloop detector as shown. Recompact aggregate base to the density of surrounding material and test microloops prior to placing PCC pavement.

**Plan with curb**

**Plan without curb**

**Elevation with curb**

**Elevation without curb**

**Saw Slot Details**

(A) 2" minimum on asphalt surface
2" minimum on aggregate surface

**Preformed Loop Detector Layout**

Installation of Preformed Loop detector wire placed in new pavement.

**Notes:**
- Securely tie down Preformed Loop to prevent loop from floating while placing concrete.
- Maintain 12" driving lane, minimum 2' clearance, and twist loop wire to pull box.