



## **MnDOT Specification for Rodent Intrusion Barrier 10/13/2017**

### **DESCRIPTION**

A rodent abatement product designed to prevent nesting and damage to wiring in traffic signal and light pole bases.

### **REQUIREMENTS**

Provide a rodent intrusion barrier meeting the following:

- (1) Keeps rodents from entering through the bottom of pole bases,
- (2) Nonmetallic,
- (3) Designed to be installed inside pole bases or directly under base plates,
- (4) Allows for air flow, air to circulate,
- (5) Allows for moisture to escape,
- (6) Factory placed air and moisture venting in an evenly distributed pattern, (no field cutting or drilling allowed for venting),
- (7) Does not promote water collecting in, on, or around pole bases and foundations,
- (8) Weather resistant, able to withstand;
  - (3.1) Severe temperatures ranging from -40°F to 131°F,
  - (3.2) Direct sunlight, and
  - (3.3) Rain, snow, and ice,
- (9) Anti-icing and de-icing chemical resistant, including;
  - (4.1) Sodium chloride,
  - (4.2) magnesium chloride,
  - (4.3) calcium chloride,
  - (4.4) calcium magnesium acetate, and
  - (4.5) potassium acetate,
- (10) Able to withstand damp and wet locations,
- (11) Able to withstand repeated freezing and thawing,
- (12) Compatible with latex and petroleum based sealants,
- (13) Does not warp or bend once installed,
- (14) Does not obstruct or prevent access to anchor rod connections, pole access openings, conduits, wiring, and components,
- (16) Able to be installed in standing poles without disconnecting the wiring and components,
- (17) Able to be installed in standing poles without removing or loosening anchor rod connections,
- (18) No drilling, screws, nails, or metal fasteners required for installation,

- (19) Designed to be installed flush against the base plate to no more than a ¼ in gap between the base plate and the barrier.  
(19.1) Manufacturer approved sealant required to fill gaps ¼ in or less between the base plate and barrier, and between the foundation and barrier,
- (20) Maximum height of 4 in for breakaway poles,
- (21) Provide a computer-aided design (CAD) technical detail drawing of the rodent intrusion barrier dimensions, etc., and,
- (22) Provide installation instructions and distribute at least 3 copies per project order.

## **MnDOT ACCEPTANCE**

- (1) The barrier is reviewed against each item listed on this specification. If the barrier is not in compliance with each item on this specification it is not placed on the MnDOT's Approved Products List (APL).
- (2) Provide samples upon request at no expense to MnDOT.
- (3) MnDOT reserves the right at its own expense to perform random sample testing. Random sample testing is completed within 90 days, and as soon as possible after delivery. MnDOT determines the sampling parameters to be used for the random testing. If the barrier tested fails random testing, the barrier is removed from the MnDOT's APL.
- (4) Once the barrier has been placed on the MnDOT's APL no substitutions of materials are allowed unless the manufacturer has received written permission in advance from MnDOT allowing substitution.
- (5) Provide a product catalog number for the barrier to be placed on MnDOT's APL. Notify MnDOT of any change to the catalog number and include the reason for the change. Failure to meet this requirement may cause the barrier to be removed from the MnDOT's APL.
- (6) Provide a website address, mailing address, phone number and other manufacturer contact information to be posted on MnDOT's APL.