

IN-ROAD ANTENNA INSTALLATION GUIDE

WA00222 In-road Antenna



Wavelet Edge Device

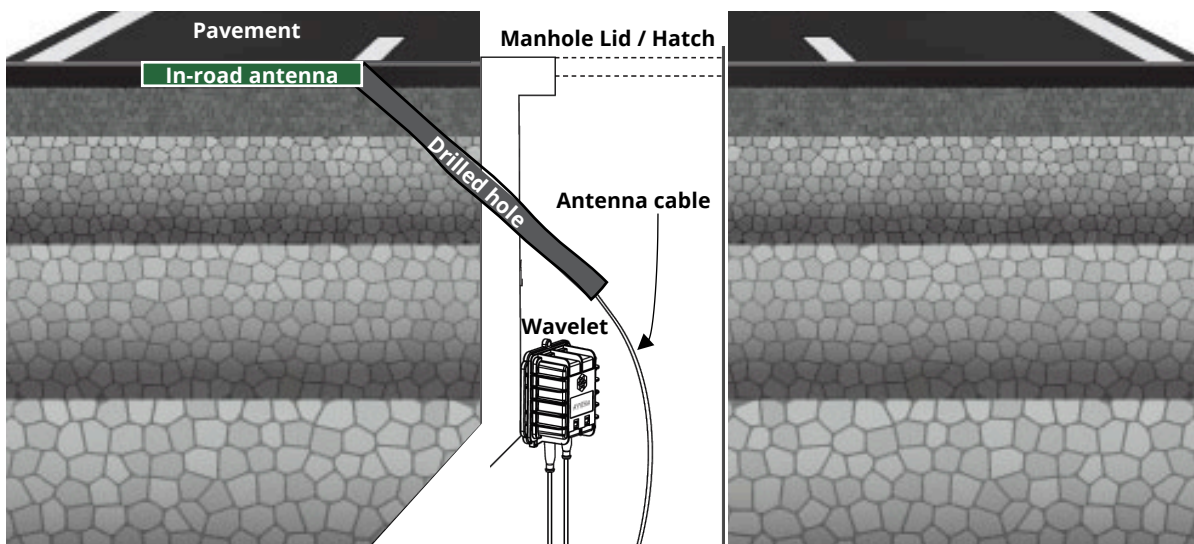


Antenna Port

1. Excavate a section of road approximately 180 mm (7.1 inches) in length by 60 mm (2.4 inches) in width by 80 mm (3.1 inches) deep near the manhole; be sure to factor in the available length of antenna cable to connect to the Wavelet device installed in the manhole.
2. Drill a hole from the closest position from the excavated section of road into the manhole.
3. Put the antenna cable through the hole from where the base of the antenna is installed to the inside of the manhole where the Wavelet is mounted. Pull the antenna cable taut to remove cable slack.
4. Ensure that the antenna is installed safely inside of the excavated section of road.
5. Attach the antenna SMA male connector to the SMA female connector on the Wavelet and activate the device with the magnetic activator. Ensure that the device is transmitting successfully.
6. Once a successful transmission is confirmed, install the antenna so it sits level and flush with the road surface. Insert a mix of asphalt cold patch around the sides of the antenna and pack it firmly in place to mitigate the possibility of the antenna being knocked around.
7. After the cold patch settles, ensure another transmission from the Wavelet device prior to leaving the site.

IMPORTANT NOTES:

- i. Do not cover the top surface of the antenna with cold patch.
- ii. In areas where snowplows may be utilized, be sure to situate the antenna just below the road surface with the face still visible to avoid incidental damage to the antenna.



Note: cross-section depiction of Wavelet and an in-road antenna; not drawn to scale

NEED HELP?

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