1. Using point and a straight edge, carefully mark the layout of the sensor installation. Ensure sensors are placed exactly perpendicular to the line of traffic and that all lines are straight. Verify that the sensor cone length can reach the cabinet with a minimum of 6 ft. of cable inside the cabinet.

2. Using a wet-cutting pavement saw with a 3/4'' blade width, cut the piece slot approximately 4 to 6 inches longer than the sensor cone length. The piece slot depth must be a minimum of 1'' to a maximum of 1 1/2''.

3. Install the piece slot in the sensor cone slot. The piece slot should be 1/4'' minimum width, at a depth of 1 1/2'' to 2''.

4. Using a pressure washer, remove all debris and loose material from the piece slot.

5. Completely dry piece slot. No moisture or oily residue should be allowed in the piece slot.

6. After piece slot is dry, use brush sides and bottom of entire piece slot. Allow out loose debris.

7. Install the sensor according to manufacturer's recommendations. Class 2 sensor sensor shall be placed at bottom of piece slot. Base 1 sensor must be installed at a specific depth particular to each site location. This depth will be measured and set by the Engineer. The sensor placement and testing shall be performed by a qualified inspector on site.

8. Place two pieces of 2' duct tape along the length of the sensor slot. Tape should be about 1/16'' from slot edges.

9. Mix epoxy according to manufacturer's recommendations and pour into sensor slot. Mix every sixth pour into sensor slot. Avoid air pockets. Mix at the time and end pour toward the center of sensor at attachment point. The epoxy should be completely filled, at least two times.

10. Use a utility knife with a notched blade to spread the epoxy smooth along the length of the sensor.

11. Remove tape.

12. Class 2 sensor installation is complete after epoxy has cured. Class 1 WMD sensors shall be placed flush with the pavement surface the entire length of the sensor. Use a ball mallet with a coarse grit paper to get an even surface finish.

13. Use a wood anchor with a coarse grit paper to get an even surface finish.

14. Place the installation brackets on the sensor for the length of each sensor, every 3/4'' for class 1 sensor, every 1'' for class 2 sensor, and every 2'' for class 3 sensor. Use the 3/4'' brackets.