



<b>Case Study:</b>	Permanent Installation
<b>Location:</b>	Oregon State Highway 99
<b>Diamond Traffic Product Unit:</b>	Phoenix II Permanent Loop/ Piezo Classifier
<b>Setting:</b>	ODOT Testing Site

Diamond Traffic Products, in partnership with the Oregon Department of Transportation (ODOT), installed a fully automated complete permanent count and classification system on one of the busiest state highway. This project fit the need for a full turnkey permanent installation for testing.

### Inductive Loop Technology

This system uses inductive loop technology with minimal user maintenance required. ODOT utilizes an automated and fully programmable counter and classifier that provides incident detection, remote administration and monitoring for urban highway/interstate applications.

### Low Power & Feature Rich

Low power consumption is a key feature for isolated sites with minimal DOT check-ins, this allows the Phoenix a long life in the field. Remote sites are easily accomplished with the Phoenix as it can be powered permanently using solar panels. The Phoenix can be programmed via a laptop, PC (direct or via modem / IP), by the counter keyboard/display.

### Versatile

The Phoenix is capable of counting 1 to 8 lanes using axle sensors, counting 16 lanes with loops, and classifying 1-8 lanes of traffic with axle, speed, gap, headway, and length type studies.



## Benefits Delivered

- Low power consumption with optional solar panels
- Large memory capacity
- Multi-lane time interval counter/classifier
- Designed for permanent installs or large portable applications
- Accurately displays car counting in real-time
- Ideal for remote sites
- Incident detection
- Modem and IP ready
- Multiple classification mode selection and reporting options

## Project Partners

Oregon Department of Transportation

For more information contact [sales@diamondtraffic.com](mailto:sales@diamondtraffic.com)

