

Product Evaluation

RE: Pod Wireless Detection System

PRODUCT

The Pod Wireless Detection System is manufactured by Trafficware Group, Inc. Sugarland Texas and distributed by ATS Traffic located in Edmonton, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

Pod Detection System™, is a wireless magnetic field sensor embedded in the road to accurately measure vehicle occupancy and detection. Powered by an industry-leading D-cell lithium battery, the Pod will transmit real-time data autonomously for up to 10 years, providing a solution to a broad range of transportation needs. The Pod Detection System™ is simple to install and easy to use. Product Web link - <http://www.trafficware.com/detection.html>

DESCRIPTION

The Pod Wireless Detection System has three primary components: the Pod, Access Point, and Base Station. Pods with sensors are located in the roadway. They sense the disturbances in the earth's magnetic field due to the presence of a vehicle and wirelessly transmit vehicle data and receive administrative data. Access Point and antenna are mounted on an intersection pole or mast-arm. The Access Point and Antennas provide two-way wireless communication between the Pod and Base-Station. Base station located in the control cabinet has the computing power of a full ATC controller, providing data processing and storage.

POTENTIAL USAGE

Highways and at intersections

STANDARDS

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

AT has no experience with this product.

APPLICABLE STANDARDS

The Alberta Transportation specification for Highway Signs is as follows:

- Alberta Transportation Specification 5.18, Supply of Permanent Highway Signs, Posts and Bases

RECOMMENDATIONS

The Pod Wireless Detection System be listed as Potential Product under Alberta Transportation Products List, Traffic Control Devices – Traffic Detection – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field evaluations.

TRIAL PROJECTS

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cc New Product Evaluation Standing Committee – Roger Skirrow
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