Product Evaluation

RE: Review of SmartSensor Matrix – SS-225 Detection System

PRODUCT
SmartSensor Matrix – SS-225 Detection System is manufactured by Wavetronix LLC located in Provo, Utah and distributed by Interprovincial Traffic services Ltd located in Surrey, British Columbia.

VENDOR CLAIMS AND INFORMATION

CLAIMS
SmartSensor Matrix – SS-225 is a first of its kind stop bar presence detector designed for use at signalized intersections to detect vehicles with the reliability of radar and with all the advantages of non-intrusive detection. SmartSensor Matrix corner radar is versatile enough to perform accurately from a variety of mounting locations. Product web link: http://www.wavetronix.com/en

DESCRIPTION
SmartSensor Matrix consists of 16 radars for two-dimensional coverage; tracks vehicles through a 90 degree field of view that extends out 140 ft.; includes radar vision technology to detect and track in two dimensions; reports real-time presence of both moving and stopped vehicles; standard detector-rack contact-closure interface and easy to install and operate.

POTENTIAL USAGE
SmartSensor Matrix is very easy to use, it features auto-configuration and traffic visualization capabilities with intuitive click and drag functionality that makes it possible to configure a sensor in as little as 15 minutes. SmartSensor Matrix has been used at 2 Alberta Transportation locations, City of Lethbridge, Utah department of Transportation and West Virginia Department of Highways.

STANDARDS
Complies with NEMA TS2, FCC CFR 47, part 15, Section 15.249, IEC 6100-4-5-Class 4, IPC-A-610C-Class 2part 15 of the Federal Communications Commission (FCC) rules

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE
Alberta Transportation has limited experience with radar detection.

APPLICABLE STANDARDS
At present Alberta Transportation has no standard.

RECOMMENDATIONS:
SmartSensor Matrix – SS-225 System be listed as a Proven Product under Alberta Transportation Products List, Traffic Control Devices – Traffic Detection – Proprietary, based on the information provided.

TRIAL PROJECTS

Hwy 2A – Ponoka
Hwy 3 Coaldale

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