

Product Evaluation

RE: Review of RRFB-Pro system

PRODUCT

The RRFB-Pro system is manufactured and supplied in Alberta by Fox Canada located in Medicine Hat.

VENDOR CLAIMS AND INFORMATION

CLAIMS

the RRFB-Pro is equipped with cutting-edge features that enhance performance, functionality, and evaluation. The RRFB Pro system is designed to operate in extremely cold weather conditions, with all components rated to -40C operating temperatures. The system comes with dual light bars that enhance bi-directional visibility for both pedestrians and drivers. With a 24Ahr storage capacity, the system has ample battery capacity to ensure reliable operation. Equipped with data logging functionality, which records and stores key functional parameters. This feature enables the evaluation of system performance measures such as pedestrian usage activity and battery health. Universal file format (.cvs) is compatible with MS Excel spreadsheet software. The on-board Bluetooth module of the RRFB Pro system allows for system programming and data downloading. With a range of up to 5m, system connection can occur from the safety of your vehicle, enhancing user convenience and safety. Website: <https://www.foxcanada.net>

DESCRIPTION

Rectangular Rapid Flashing Beacons (RRFB) are recognized in Canada as a Pedestrian Control Device (PCD) providing safe crossing control and protection for pedestrians. The system is composed of Solar Enclosure, Solar Panel, Solar Powered Energy Management System, Battery, Post Slip Fitter, Traffic Safety Controller, Light Bar(s), Pedestrian Activated Push button, Cabling, and Signage. Various system performance options are available for custom configurations.

POTENTIAL USAGE

The RRFB-Pro system, an advanced pedestrian safety solution designed specifically for use on Provincial Roadways. It is designed for pedestrian crossing highways safely.

STANDARDS

MUTCDC

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has used this product in its project, and it is under trial status.

APPLICABLE STANDARDS

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

RECOMMENDATIONS

RRFB-Pro system be listed as a Trial Product under Alberta Transportation and Economic Corridors Products List, Signs and Supports – Specialized Applications, Warning Signs – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

TRIAL PROJECTS

Site 1: Intersection of AB Hwy #54 & 20th ST, Spruce View, AB; Site 2: Intersection of AB Hwy #54 & 19ST Spruce View, Alberta; Installed date - October 23, 2023; Installed by - FoxCanada, Medicine Hat

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cc Innovations Evaluation Committee – Roger Skirrow,
Hal Cook