

**Product Evaluation**

**RE: Review of R920-MX Crosswalk Flashing Beacon (Solar or AC)**

**PRODUCT INFORMATION**

Product Name: R920-MX Crosswalk Flashing Beacon      Manufacturer: Carmanah Technologies, Victoria, BC  
Website: <https://carmanah.com/>      Supplier: Carmanah Technologies, Victoria, BC

**VENDOR CLAIMS AND INFORMATION**

**CLAIMS**

R920-MX Crosswalk Flashing Beacon systems have connectivity embedded into their design, making installation easy. From the moment a system receives power, it connects both locally to the MX Field App and remotely to MX Cloud, providing easy remote access to system status, settings, and data. RRFB systems come with default settings that meet MUTCD Standards, including wig-wag plus simultaneous (WW+S) flash pattern. Every MX module is built to last with durable, weatherproof aluminum construction and vandal-resistant wireless antennas. Solar-powered models are solar-sized to project locations, backed by a Solar Power Report (SPR) to prove year-round sustainability. All MX systems come with MX Cloud, a web-based application that lets users remotely access system locations, alerts, settings, and data like daily activation counts. The GPS map not only gives cities better visibility, but enables streamlined, proactive asset management and future planning.

**DESCRIPTION**

The Carmanah R920-MX Crosswalk Flashing Beacon (RRFB) is a pedestrian-actuated beacon system that helps improve yield compliance at uncontrolled crossings by adding conspicuity to regulatory signage. It can be paired with RRFB light bars, LED enhanced signage, circular LED modules, or a combination of beacon types. These MUTCDC compliant crosswalk beacon systems are available in either solar-powered or AC-powered configurations and can be actuated by pedestrian push buttons, passive detection devices, or both. An optional overhead lighting fixture can also be added to enhance nighttime visibility for pedestrians.

**POTENTIAL USAGE**

Designed to be installed at Crosswalks.

**STANDARDS**

MASH (2016) Test Level 3

**ALBERTA TRANSPORTATION COMMENTS**

**EXPERIENCE**

Transportation and Economic Corridors has some experience with similar other products.

**APPLICABLE STANDARDS**

The Transportation and Economic Corridors Standard Specification for Highway Construction: 5.18, Supply of Permanent Highway Signs, Posts and Bases.

**RECOMMENDATIONS**

R920-MX Crosswalk Flashing Beacon be listed as a Potential Product under Alberta Transportation Products List, Signs and Support Systems - 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**

Rishi Adhikari

cc New Products Evaluation Group – Roger Skirrow,  
Saeed Ahmad / Kristen Tappenden / Shahin Abji