

## Product Evaluation

**RE: Solar Flashing Beacons  
(24/7 Flasher – R247C)  
(Pedestrian Crosswalk Beacon – R820C)  
(School Zone Flasher – R829C)**

### **PRODUCT**

The Solar Powered Beacons are intended to enhance the visibility of traffic signs. These products are manufactured by Carmanah Technologies Corporation in Victoria, British Columbia and distributed by Alberta Traffic Supply of Edmonton, Alberta.

### **VENDOR CLAIMS AND INFORMATION**

#### **CLAIMS**

Solar Flashing Beacons will effectively improve driver awareness of pedestrians at uncontrolled crosswalks, marked school zones and enhance safety for a broad range of traffic applications. Solar Flashing Beacons are effective all day long, especially in rain, fog, snow and in low light conditions. Product Web link - [www.carmanah.com](http://www.carmanah.com)

#### **DESCRIPTION**

24/7 Flasher – The R247C assembly includes the solar panel and electronics all housed in a compact enclosure located above the MUTCD-compliant traffic signal module.

Pedestrian Crosswalk Beacon – The R820C assembly includes the solar panel, batteries and all electronics are integrated in one solar engine at the top of the pole.

School Zone Flasher – The R829C solar LED flasher includes the solar panel, battery and electronics all housed in one compact enclosure located above the signal head.

#### **POTENTIAL USAGE**

Solar Flashing Beacons are effective under all weather and ambient light conditions.

#### **STANDARDS**

MUTCD and ITE compliant.

### **ALBERTA TRANSPORTATION COMMENTS**

#### **EXPERIENCE**

AT has no experience with these products.

#### **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**

Solar Flashing Beacons be listed as Proven Products under Alberta Transportation Products List, Signs and Supports – Specialized Applications, Warning Signs – Proprietary, based on the information provided.



Transportation

Product ID: 8250-2-6  
Initiation Date: October 2007  
Revision Date: March 6, 2013

**TRIAL PROJECTS**

1. Hwy 2 N. at Int. Cardiff Rd. near Morinville
2. Hwy 2 S. of Red Deer (Didsbury area)
3. Hwy 63 & Hwy 28 VIS Radway
4. Hwy 795 & Glenpark Road EB & WB S. of Calmar
5. Hwy 625 & Hwy 21 East of Leduc
6. Hwy 44 & 651 South of Westlock
7. Hwy 766 & 567 near Cochrane

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow  
Richard Chow/Wing Choy/Bill Kenny/Jim Gavin