

## Product Evaluation

### RE: Review of Alpha Traffic Intersection Uninterruptible Power Supply (UPS)

#### **PRODUCT**

Alpha Traffic Intersection Uninterruptible Power Supply is manufactured by Alpha Technologies located in Burnaby, British Columbia and distributed by Interprovincial Traffic Services located in Surrey, British Columbia.

#### **VENDOR CLAIMS AND INFORMATION**

##### **CLAIMS**

Alpha Traffic Intersection Uninterruptible Power Supply is designed to provide continuous power to traffic and signal equipment. Alpha has 30 years of outdoor power experience and over one million power installations around the world with approximately 10,000 specifically backing up traffic signals. Web link for this product: <http://www.alpha.com/Products/UPS-and-Backup-Power/>

##### **DESCRIPTION**

Alpha Traffic Intersection Uninterruptible Power Supply incorporates fully intelligent and reliable power monitoring control and conditioning. The Alpha UPS system provides remote monitoring capability for Ethernet/SNMP/radio installations, hardened for outdoor applications meeting the industry stringent requirements and multiple power ratings, extended run times and quick battery recharge.

##### **POTENTIAL USAGE**

Alpha Traffic Intersection Uninterruptible Power Supply product offers backup power supply for traffic light intersections in the event of power failure.

##### **STANDARDS**

CSA Canadian Standards Association

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE**

Alberta Transportation has no experience with this product.

##### **APPLICABLE STANDARDS**

At present Alberta Transportation references the ITE specifications for traffic signals.

##### **RECOMMENDATIONS:**

Alpha Traffic Intersection Uninterruptible Power Supply system be listed as a Proven Product under Alberta Transportation Products List, Traffic Control Devices – Traffic signals – Proprietary, based on the information provided.

#### **TRIAL PROJECTS**

Intersection of Highway 16 & Battleford Road  
Intersection of Highway 16 & Highway 40

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow  
Richard Chow  
Jim Poole  
Jim Gavin