

## Product Evaluation

### RE: Review of SLX Micro-Sensors

#### **PRODUCT**

SLX Micro-Sensors are manufactured and distributed by LED Roadway Lighting Ltd / Liveable Cities located in Halifax, Nova Scotia. Website: <https://www.liveablecities.com/sensors>

### **VENDOR CLAIMS AND INFORMATION**

#### **CLAIMS**

The SmartLinx Micro-Sensing Solution (SLX) is an innovative technology that can easily launch a smart city with low cost and low risk on existing public streetlights that have a NEMA receptacle. SLX network controllers are modular and “Smart Ready”, allowing for tool-less installation of various smart city sensors such as motion sensors, environmental sensors, ambient noise, and other smart grid solutions. It can provide vehicle speed, traffic mapping, traffic flow analysis and traffic counting.

#### **DESCRIPTION**

The streetlight’s location above the street and its access to constant power creates a unique opportunity to deploy smart sensors with a wireless connected system throughout the city. Full suite of sensors includes sensors for speed monitoring, air quality measurements, noise monitoring, cameras for safety and traffic analysis.

#### **POTENTIAL USAGE**

It can be used for gathering data for five different parameters which are speed monitoring, air quality measurements, noise monitoring, cameras for safety and traffic analysis.

#### **STANDARDS**

ANSI C136.10 extreme level surging for L1-L2

ASTM B117 - Salt Fog Testing

### **ALBERTA TRANSPORTATION COMMENTS**

#### **EXPERIENCE**

Alberta Transportation has no experience with this product

#### **APPLICABLE STANDARDS**

At present Alberta Transportation has no specification/standard for traffic sensors

#### **RECOMMENDATIONS**

SLX Micro-Sensors be listed as a Potential Product under Alberta Transportation Products List, Traffic Control Devices – Traffic Detection – Proprietary, based on the information provided. The products are recommended for trial only. Final acceptance as a proven product will be based on field performance.

#### **RESTRICTIONS ON USE**

Caveat:

### **TRIAL PROJECTS**

Rishi Adhikari

cc Innovations Evaluation Committee – Roger Skirrow,  
Shahin Abji  
Muhammad Arif