



**STATE OF NEVADA  
DEPARTMENT OF TRANSPORTATION**

**CERTIFICATION OF ELECTRONIC COMPONENTS**

Traffic Operations Division

**May 22, 2017**

**TO: Paul Frost, P.E., Chief Roadway Design Engineer**  
**FROM: Kevin A. Maxwell, P.E, Principal Signals, Lighting and ITS Engineer**  
**SUBJECT: Recommendation for Certification of Electronic Components**

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Based on review of the following described electronic traffic related item, the Traffic Operations Division recommends that it be certified for the procurement as a patented or proprietary item in Nevada as documented here in.

**Manufacturer:** Trafficware Group, Inc.

**Name and Model:** 980 ATC Traffic Signal Controller with Apogee Actuated Signal Controller Software

**Description of Device:** Traffic Signal Controller. Controls the traffic signal timing at an intersection. Collects traffic data.

**Description of Need:** The traffic signal controllers must tie into the existing arterial traffic management system to allow for coordinated signal timing, remote monitoring and control of traffic signals, and collection of traffic data. This is the only controller that will work on the current regional traffic signal management system.

**Economic/Cost Analysis:** There are costs to the public if traffic signals can't be coordinated or signals can't be monitored so that



operational problems can be identified and corrected quickly, such as increased delay and increased crashes. Significant time and effort has been expended by local agencies in selecting a uniform traffic signal system to allow coordinating signals across jurisdictional boundaries and in training staff.

**Jurisdiction/Extent:**

City of Las Vegas. (Clark County, RTC of Southern Nevada, City of Henderson and City of North Las Vegas are also using this system.)

**Limitations/Conditions:**

This is the only traffic signal controller that will provide full functionality on the regional traffic management system that is operated by the Regional Transportation Commission of Southern Nevada.

**Request for Certification other than the standard 2 years:**

5 years.

**Justification for Certification other than standard 2 years:**

This system has just begun its service life. Its anticipated that this signal system will be in operation for at least 10 years before another major, regional systems engineering process is undertaken to reevaluate technology and study possible replacements.

**Justification for Certification:**

Necessary for regional cross-jurisdictional management of traffic signals.

**Synchronization**

**Function**     **Aesthetics**     **Logistics**

The Nevada Department of Transportation Chief Roadway Design does hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), that this patented or proprietary item is essential for synchronization with



Certification of Electronic Documents

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existing facilities

DocuSigned by:

*Paul Frost*

5/23/2017

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Chief Roadway Design Engineer

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Date

**NDOT USE ONLY**

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**Date of Certification:** May 24, 2017

**Certification Expiration:** May 24, 2022