# Request for Information

State of Alaska
Department of Transportation & Public Facilities
Division of Alaska Highway Safety Office

**Date Issued: June 25, 2020**

## SOFTWARE, TECHNICAL SUPPORT, INSTALLATION OF HARDWARE, MAINTENANCE AND CLOUD SERVICES FOR NINE EXISTING PHOENIX II TRAFFIC CLASSIFIERS/DETECTORS.

### *Introduction:*

The State of Alaska, Department of Transportation & Public Facilities, Alaska Highway Safety Office (AHSO) is requesting information from vendors capable of providing VSign Smart Vehicle Classification System software, technical support, installation of hardware, maintenance, and cloud services for the divisions nine Phoenix II standalone traffic classifiers/detectors. CLR Analytics has submitted a sole source letter stating they are the only company that can provide the needed parts, service and software.

### *Background Information:*

Recently AHSO received a donation of nine Phoenix II output units from the US Fish and Wildlife Service and intends to install them at various sites across the state and share the software application among their three field offices located in Juneau, Anchorage, and Fairbanks. In an effort to stay responsive and experienced in the traffic technologies market, AHSO has been using the VSign Smart Vehicle Classification Software System in one location as a pilot project, and is impressed with the capabilities it provides. The Phoenix II traffic classifiers use artificial intelligence (AI) real-time traffic data collection, analysis and reporting application that utilizes inductive loops already installed in the roads. The VSign Smart Vehicle Classification Software System creates an inductive loop signature or vehicle signature based on a traversing vehicles analog waveform and provide much more data such as speed, count, occupancy, and vehicle class. The signature similarities for the same vehicle and among vehicles of the same type are the basis for vehicle classification. AHSO also uses conventional inductive loop detection systems that are created from bivalent outputs and only indicate a vehicles presence and not the details included with the VSign Smart Vehicle Classification Software System.

**Important Note:** Upon installation, the field offices will compare the results of the data to other conventional traffic counters over a two year period to help determine which are the most technically effective and cost efficient.  AHSO received a price quote in the amount of $125,176.00 from CLR Analytics to purchase the needed software, technical support, hardware maintenance, and cloud services required to complete the installation of the nine donated Phoenix II traffic classifiers/detectors.

CLR has been working with Alaska Department of Transportation (AKDOT) since 2017 when a prototype system was deployed to a test site. The VSign system has been improved since then and is currently a cloud based system that implements a secured and connected IoT (Internet of Things) environment and a loop diagnostics module to monitor the system operation and loop sensor performance. This improves

classification data quality by solving data issues from the root and will save operational and maintenance costs by reducing field trips for on-site diagnosis.

*Response Information:*

**Interested parties are invited to submit responses to the following:**

- Please provide a detailed description of your company's capabilities and experience related to providing the required VSign Smart Vehicle Classification Software System, technical support, hardware installation, maintenance, and cloud services with the Phoenix II traffic classifiers/detectors.
- Please provide a signed letter from CLR Analytics indicating that your company is authorized to provide the VSign Smart Vehicle Classification Software System hardware, maintenance, and software.

Responses to this RFI are for informational purposes only. Do not include cost estimates as they will not be considered in a response.

It is the responsibility of the interested party to follow up with the contracting officer listed above to ensure your response was received prior to the time and date specified.

This RFI does not extend any rights to prospective vendors or obligate the state to conduct a solicitation or purchase any goods or services.

*Procurement Officer contact information:*

Interested parties must submit their response in writing by **2:00 pm Alaska Time** on **July 6, 2020**, to the following person:

**Paul DiCarlo**
Procurement Officer
Department of Transportation & Public Facilities
Division of Administrative Services

Phone:   (907) 465-8446
Email:    paul.dicarlo@alaska.gov

Emailed or hard copy responses are acceptable. If sending a hard copy response, send the response to the following address:

U.S. Mail:
P.O. Box 112500
Juneau, AK  99811-2500

Delivery Service (FedEx, UPS):
3131 Channel Drive
Juneau, AK  99801