

GENIVI ALLIANCE & NEVADA CENTER FOR  
ADVANCED MOBILITY

REQUEST FOR INFORMATION TECHNOLOGY  
SOLUTIONS FOR CONNECTED CAR AND  
ENHANCED PEDESTRIAN SAFETY PILOT

Issued: MAY 1, 2017

## 1. Purpose (Scope & Objectives)

In January of 2017, the GENIVI Alliance (GENIVI) and the Nevada Center for Advanced Mobility (Nevada CAM) signed a Letter of Intent defining a one year pilot project to deploy the GENIVI open source Remote Vehicle Interaction (RVI) technology on a fleet of vehicles that will capture and communicate vehicle and other telematics data. The intent is to create a secure, peer-to-peer connectivity network (between vehicles, smart infrastructure, data architecture) to better communicate vehicle and pedestrian movements. The RVI-enabled On-Board-Unit (OBU) deployed will serve as a temporary technology solution that would eventually be fully integrated into future vehicles.

Throughout the pilot, the following four initial scenarios will be used to test the technology:

- Bus Stop Warnings – alerting drivers as they approach bus stops in order to reduce speeds and increase awareness of the potential for high pedestrian activity
- High-Risk Warning Areas – using a vehicle’s position and time of day to display an in-vehicle warning as the vehicle nears a marked crosswalk or an area that is known to be high-risk for pedestrians
- Speeding Warning – displays a warning to drivers that they are exceeding the current speed limit
- Traffic Stopped Ahead – provides drivers with an alert of traffic conditions ahead by displaying a warning of upcoming traffic jams and the proximity to the back up to reduce the potential for rear-end collisions.

The project is now underway and the expectation is that all scenarios will be operational by October 2017.

Since the launch of the pilot, both GENIVI and Nevada CAM have received interest from other companies with technologies that may apply to and/or extend the stated scope of the pilot. In order to consistently process these indications of interest, GENIVI and Nevada CAM have produced this document to gather a standard set of information that pilot leadership can use to evaluate potential inclusion of additional scenarios and organizations.

Should your organization wish to be considered for participation in this pilot or a second phase of this project, please complete the below information and return to Steve Crumb ([scrumb@genivi.org](mailto:scrumb@genivi.org)), Executive Director of GENIVI and current project manager for the pilot.

Please note that the current budget for this pilot is to be applied to the EXISTING SCOPE of the project. Any additional scope and participation will require either self-funding or a request for funding to GENIVI and to Nevada CAM. Self-funded activities will likely be prioritized during the review.

## 2. Evaluation Process.

GENIVI, Nevada CAM and its partners intend to evaluate the proposed solutions and invite the most promising and innovative submitters to enter into further negotiation. Criteria will be based on how effectively the technology solution addresses the need, the viability and demand for the technology, knowledge transfer opportunities, commercialization revenue, and potential for jobs created in Nevada. Negotiations will be held during and decisions taken soon after a mid-summer project review meeting with communication to soon follow.

### 3. Response Format

Responses to this RFI must be received by May 30, 2017 and must not exceed 4 pages in length (not including supplemental materials). Supplemental materials, if necessary, must not exceed an additional 5 pages in length. Respondents are asked to submit their responses in English in the following format.

#### SECTION 1 - VENDOR INFORMATION

- a. Name of Company
- b. Address and Telephone Number
- c. Vendor Representative, contact number and email address

#### SECTION 2 - VENDOR OVERVIEW & EXPERIENCE

Briefly describe your company, your products and services, history, and ownership; for example:

- a. Web site address
- b. Main product/services
- c. Main market/customers
- d. Company location(s)
- e. Product deployment sites
- f. Year of first deployment

#### SECTION 3 - SOLUTION INFORMATION

Narrative describing your solution that enhances pedestrian safety and the above mentioned context of the pilot including:

- Define the scenario or problem you are intending to solve
- List the features and benefits of your proposed solution.
- List the stage of the proposed solution, i.e. in development, R&D required, ready for testing, deployed etc. Please provide references for deployed solutions.
- Brief description of the competition (products, services and other alternatives)
- Applicability to disadvantaged populations (low income families, accessible affordable housing, disabled, elderly etc.)
- If feasible provide a rough order of magnitude (ROM) cost requirements for all solution deployment phases.

#### SECTION 4 – EXAMPLE EXTENSION TO THE PILOT PROJECT

- Define the scope of the proposed scenario or extension to the pilot project that will demonstrate the technology in Las Vegas Metropolitan area
  - List resources and access to infrastructure required, including specific data streams/types
  - Cost Estimate (including cost sharing)
  - Other potential benefits to your company if selected for a pilot project in Las Vegas
4. Disclaimer This Request for Information (RFI) is for planning purposes only and is not a Request for Proposals (RFP), Invitation for Bid (IFB) or any obligation on the part of Nevada CAM or GENIVI.