

Delaware Department of Transportation

REQUEST FOR INFORMATION



Delaware Department
of Transportation

**ENHANCED SAFETY INFORMATION SHARING
FOR MULTI-MODAL SUPPLY CHAIN
AND
WORKZONE & INCIDENT
ELECTRONIC NOTIFICATION SYSTEMS**

RFI NO. 201501

RESPONSES DUE DATE/TIME: September 30, 2015 3:00 p.m. (local time)

Responses are to be delivered to Contract Administration, Delaware Department of Transportation, 800 Bay Road, Dover, Delaware 19901 by **3:00 p.m.** local time on due date shown above.

Issued: August 26, 2015

OVERVIEW

The Delaware Department of Transportation (DelDOT) desires to develop an information and notification system to expand safety and security capabilities for commercial vehicles as related to roadways conditions. DelDOT is trying to understand the best way to continue to evolve services related to the Commercial Vehicle Information Systems and Networks (CVISN) program while also gaining analytical capabilities for managing the different systems and related activities carried on by DelDOT CVISN program partners, end user and the U.S. Federal Government.

CVISN is a collection of governmental and private information systems and communication networks, whose objective is to improve the efficiency and effectiveness of commercial vehicle operations. It implements this in three areas: (a) electronic credentialing and data sharing; (b) safety information exchange; and (c) electronic screening and enforcement.

DelDOT is asking for information that can support advancing CVISN capabilities into a solution that is interactive, computer-based, and multi-sided combining data and information from prior systems developed and/or operated by DelDOT, cooperating agencies and private sector. To the extent possible, DelDOT would like a solution with the following capabilities:

- Integrated or interoperable systems, with data collection, incident management information and mapping and reporting capabilities
- Scenarios, analysis and simulations system and data reconstruction/recovery capabilities
- Data correlation and learning capabilities
- Secured and customizable features access to users, DelDOT partners or DelDOT key stakeholders, manager, Director(s) and the Secretary of Transportation
- COTS solution with modular building capabilities and standard ITS communication capabilities
- Solution pointing to systems/sensors data sources either for direct feed or by any other means data can be made available
- Data and reports storage
- Analysis for drawing historical trends and finding gaps
- Mathematical/physical and/or statistical capabilities for planning activities and functional needs
- Scenario and simulation analysis base capabilities

- Internet access or no internet access to carry on functions capabilities with finite parallel power capabilities to work also during incidents, providing information to the carriers in an uninterrupted service fashion
- Automation of information service and minimum system dependency on staff for operations
- Customer interaction feasibility and help by leveraging existing DelDOT resources and structure.

Information sharing with the existing silo systems can provide improved consolidation of the CVISN program, both core and expanded capabilities and management with analysis basis functionalities, as well as improved integration of planning and operations.

BACKGROUND

The context in which DelDOT CVISN program is part of includes the following:

- DelDOT Department's and Divisions utilizing CVISN features: ITMS, Department of Motor Vehicles (DMV), Motor Carrier Services, Enforcement, Commercial Vehicle Operations
- Electronic credentialing: International Registration Plan (IRP) and International Fuel Tax Agreement (IFTA) and Tax Filing
- Safety Information Exchange: Commercial Vehicle Information Exchange Window (CVIEW); Safety and Fitness Electronic Records system (SAFER) and Oversize Overweight permitting system (OOPS)
- Electronic Screening and Enforcement: PrePass, virtual weigh stations, Weigh In Motion (WIM) system
- ITMS systems and equipments: enforcement camera, dynamic message signs, License Plate Readers (LPR), USDOT number, HAZMAT placard readers
- DelDOT general traffic operations Intelligent Transportation Systems (ITS): traffic signals, cameras, radar detection, Bluetooth, Dynamic Message Signs (DMS), Variable Message Signs (VSL), Road Weather Information Systems (RWIS) and flooding sensors, Automatic Traffic Recorder (ATR), radio communication, virtual DMS, Interactive Traffic Map, Electronic Operations Management Application (EOPS) customized managing system with internal visualization capabilities
- DelDOT developed Freight Strategic plan and a Supply Chain Plan.

DelDOT achieved CVISN core compliance and is working to expand capabilities. Expected areas for expansion include:

- Workzone and incident electronic notification systems
- Enhancement of safety information sharing for multi-modal supply chain
- HAZMAT detection initiatives
- Additional VWS (Virtual Weigh Stations)
- Other data quality improvements opportunities (maybe).

As we increase the options available to stakeholders and motor carrier users, the complexity of the system grows; thus the need increases for interoperable and interactive systems including feasibility and applicability features considerations. Correspondingly, with the volume and diversity of information and users, the need for a system that can help identify trends, needs for improvement, and identify gaps make the work of the managers of such systems very challenging.

DelDOT is interested in a modular base solution, supporting analytical capabilities, and allowing for an overall “one-stop-shop” and other possible benefits of economy of scale in a business perspective for such system. DelDOT would like to investigate the possibility of having these areas developed privately either through a design-build or a design-build-operate-maintain process. Thus this RFI is seeking information from private or public-sector organizations that may be interested in designing, developing, implementing/ building and maintaining such system.

Special Request

Additional information related to other Department of Transportation competitively bided systems and other existing contracted business and business modalities, and current RFP’s in process for similar systems are of interest to DelDOT.

DelDOT is also interested in suggestions on approaching building or purchasing this system.

RFI RESPONSE

DelDOT, in its sole discretion, may issue a future formal request for proposal (RFP), modify the project in whole or in part, take no further action regarding this project, or exercise any other available options. DelDOT encourages the participation of small, minority and women-owned businesses in all of its endeavors.

Responses are to be mailed or delivered to:

Jim Hoagland, Contract Services Administrator
Contract Administration
Delaware Department of Transportation
800 Bay Road, Dover, DE 19901

SUBMISSIONS

Interested parties shall submit one (1) original and one (1) copy of a response to this RFI. **In order to comply with the State of Delaware’s Freedom of Information Act**, firms responding to this Request for Information **shall prepare and submit one (1) electronic copy** (e.g. CD, flash drive) of their response with any proprietary or confidential information redacted. This copy should be clearly marked as “Redacted Copy” and submitted along with the other copies. **This electronic copy is required even if the submission contains no proprietary or confidential information.** Firms should review Delaware’s Freedom of Information Regulations, section 6, Requests for Confidentiality, on the DelDOT Website www.deldot.gov and Section 10002(1) “Public record” of the Delaware Code, <http://delcode.delaware.gov/title29/c100/index.shtml> to determine what information may be considered proprietary or confidential and may be redacted from their response.

CONTACTS

Replies to questions concerning the RFI, submissions, and procedures may be obtained by submitting questions to the DOT Professional Services mailbox at DOT.Profservices@state.de.us or via telephone at (302)760-2034. In order to ensure a timely response, questions must be submitted at least two (2) business days before the response due date.

QUESTIONS

Questions regarding this RFI should be submitted via email to the mailbox listed above. The Department’s response to questions will be posted on the State of Delaware Bid Solicitation Directory Website: <http://www.bids.delaware.gov/>.