



1. Solicitation #: 25-PROC-0006

2. Solicitation Issue Date: 09/24/2024

3. Brief Description of Requirement:

**Purpose: Request for Information (RFI) for Transportation Related Transportation Management Services.**

Questions regarding this RFI are to be submitted via the Smartsheet located at the address listed on Page 10, Section 5.a no later than November 15th, 2024, at 3:00pm CST. Answers will be posted to the Smartsheet no later than November 22nd, 2024.

**This is not a solicitation and will not result in an award of contract.**

4. Response Time: 12/17/2024

Time (CST/CDT): 2:00PM

5. Issued By and RETURN SEALED BID TO<sup>1</sup>:

**Electronic Submission Address:**

6. Solicitation Type (type "X" at one below):

Invitation to Bid

Request for Information XXXX

Request for Quote

7. Contracting Officer:

Name: Laura Bybee, CPOII

Phone: (405) 628-4034

Email: Laura.Bybee@odot.ok.gov

<sup>1</sup> If "U.S. Postal Delivery" differs from "Carrier Delivery, use "Carrier Delivery" for courier or personal deliveries.

## Responding Vendor Information

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*"Certification for Competitive Bid and Contract" **MUST** be submitted along with the response to the Solicitation.*

1. **RE: Solicitation #** 25-PROC-0006

2. **Bidder General Information:**

FEI / SSN: Not Needed Supplier ID: Not Needed

Company Name: \_\_\_\_\_

3. **Bidder Contact Information:**

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Contact Title: \_\_\_\_\_

Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Website: \_\_\_\_\_

Email: \_\_\_\_\_

## Response Instructions

**This is not a solicitation and will not result in an award of contract.**

The State of Oklahoma invites all interested parties to submit a written response to this Request for Information (RFI). This RFI is being sought strictly for the purpose of gaining knowledge of services and applications available with an estimate of their corresponding costs and should not be construed as an intent, commitment, or promise to acquire services, supplies, or solutions being offered, nor does this RFI guarantee the issuance of such solicitations in the future.

Information submitted in response to this RFI will become the property of the State of Oklahoma and will not be returned.

The State of Oklahoma will not pay for any information herein requested, nor is it liable for any cost incurred by the Supplier in response to this RFI.

## **1. Statement of Need**

The Oklahoma Office of Management and Enterprise Services (OMES), on behalf of the Oklahoma Department of Transportation (“ODOT” or “Oklahoma Transportation”), is requesting written information from qualified suppliers for a statewide, Transportation Management system for detecting, confirming, reporting, and managing transportation-related incidents. ODOT is seeking information on existing applications and systems that are currently in use and fully operational. ODOT understands not all suppliers can provide the full breadth and scope of this RFI. However, the supplier is required to clearly indicate the sections or topics they are not responding to within the required structured format detailed in Section 6(d) “Preparation of Response.”

## **2. Organization Information**

ODOT is an agency of the government of Oklahoma. ODOT is responsible for the construction and maintenance of the state’s transportation infrastructure. Oklahoma’s transportation system has many needs with nearly 30,500 lane miles of the transportation infrastructure system.

ODOT has multiple Divisions working on improving the operations of ODOT’s and OTA’s transportation system. The Transportation Management Team includes the Traffic Division, Multimodal Division and Maintenance Division’s Intelligent Transportation System (ITS) Branch.

Each of these offices, along with other areas, provide broad oversight into the operations, construction, and improvement of Oklahoma’s state and federal highway system, which is the state’s largest asset. These transportation management areas are looking to ensure Oklahoma’s transportation systems are selected and designed to meet or exceed local, state, and federal guidelines and specifications while meeting the needs of the department.

ODOT is currently using a variety of tools and applications to monitor and operate the state’s transportation system. Specifically, the Transportation Management Team has created a public-facing website (OkTraffic.org) and a mobile application (Drive Oklahoma) the Drive OK application dedicated to providing real-time traffic information and resources to Oklahoma travelers. The website also offers data such as traffic conditions, incident closures, and construction updates to help drivers make informed decisions about their travel routes. Additionally, Oktraffic.org aims to improve road safety and efficiency for residents and visitors.

ODOT has also teamed up with Waze to collect crowdsourced data and present it on OKTraffic.org, consolidating all the information in one place. This partnership enables users to make informed travel decisions based on comprehensive, real-time data. Additionally, the Traffic Division currently uses Iteris’s ClearGuide, a transportation analytics software.

The Transportation Management Team recognizes the need to enhance efficiency in detecting incidents, enhancing monitoring technology, implementing integration capabilities, increasing communication and notification of incidents, gathering data, and developing performance measure reports. ODOT’s Transportation Management Team is looking to discover emerging technologies to

enhance the existing system to include a component that actively predicts unusual congestion, potential incidents, and origin destination trip data to improve quality and decrease cost.

### 3. Organization Information

#### a. Goals and Objectives

ODOT is seeking to integrate additional transportation management platforms capable of monitoring multiple roadway data sources to create actionable alerts. ODOT seeks to have real-time alerts and data updates from an intelligent platform for greater incident accuracy, awareness, and reporting. Functional requirements include:

- I. Incident detection and alert management API to TOC (Statewide Traffic Operations Center)
- II. Integration with current ODOT systems
- III. Management of both rural and urban roadway environments
- IV. Real-time management reports and dashboards
- V. Ability to integrate/share data
- VI. Support multiple FHWA vehicle classifications
- VII. Function in all environments/weather conditions
- VIII. Possible use of solar power.
- IX. C2V, V2X, Connect to vehicle technologies

#### b. Potential Scope of Work

ODOT has industry standards that guide our efforts and, in the same instance, inhibit flexibility in some areas. ODOT is open to integrating transportation management processes when possible and beneficial to the state, but suppliers must have the flexibility to accommodate business processes and standard requirements that cannot be changed.

At a minimum, any considered platform with supporting tools should support the following:

*I. Analytics/Detection: Be able to detect the following on our existing cameras.*

- a. Wrong Way Drivers
- b. Pedestrians
- c. Collisions
- d. Slowdowns/Queues
- e. Debris, Vehicles Stopped on Shoulders
- f. Classification and Vehicle Identification
- g. Right on Red Violations
- h. Secondary Collisions
- i. Driver Behaviors
- j. Lane Departures
- k. Signal Usage
- l. Travel Times

*II. Integration: Identify real-time data to automatically place the incident on the Oktraffic.org map.*

- a. Integrate with Department of Public Safety's (DPS) and Oklahoma City's Computer Aided

- Dispatch (CAD) system.
- b. Provide automatic incident data tracking.

### III. *Notifications*

- a. The above integrations would provide a way to get notifications and real-time incidents displayed on OKTraffic.org and the Drive Oklahoma App.
- b. Vehicle/cellphone traffic and collision notification
- c. Ability to automatically post relevant messages within the defined areas for each event/incident to DMS.
- d. Automatic posting to the portable and permanent message signs for slowdowns and detected congestion.

### IV. *Data/Reports*

- a. Percentage of original equipment manufacture (OEM) and how it is acquired, including:
  - Hard braking
  - Aggressive accelerations
  - Severe speeding
  - Locations
- b. Percentage of stopped traffic: 0-25mph, 25-50mph; free flowing (+50mph)
- c. Number of incidents by day, week, month, and facility

## 4. Information Required

### a. General

- I. Describe how your solution fulfills the proposed requirements and whether your solution fulfills only portions of the requirements or encompasses all aspects of this RFI. Provide recommendations for key technology components that may have been omitted from the proposed requirements but may provide value in meeting the ODOT Transportation Management Team's objectives. Identify perceived risks and provide mitigation strategies for the state to consider.

### b. Previous Working Relationship

- I. Describe experience and past working relationships the supplier has with other government entities such as federal, state or municipal and their use cases.
- II. Provide a description of experience providing similar services and products to other DOTs, engineering, or construction companies.

### c. Financial Considerations

This RFI is being requested as a planning exercise to assist the state in the preparation of the transportation management plan, which will include considerations for financial and non-financial resources. Thus, the supplier's response must consider the implementation and scalability of the program from a technology perspective. See further information within the "Financial Considerations" section and respond to the questions or statements therein. Responses to the questions and statements shall be found within the supplier's response under the "Financial Considerations" section title.

**d. Learning**

Describe your company approach and vision for learning pathways. Provide information on the following:

- I. Product Accreditation or certification
- II. Training and Continuing Education
- III. Current or planned Oklahoma Educational Programs curriculums and partnerships
- IV. User Conferences, events, and peer exchanges.

**e. Development and Support**

Provide information regarding the following support topics:

- I. Resource allocation and availability of resources, including on-site support, training, and transition planning.
- II. Conference presentations as needed.
- III. Issue resolution
- IV. Deliverables, communication, and timelines
- V. Business system enhancements
- VI. User acceptance testing (UAT)

**f. Inclusion of Transportation Management Tools**

The vendor must be able to provide the identification of:

- I. Origin destination
- II. Known bottlenecks
- III. Known delays
- IV. Speed data
- V. Hard braking
- VI. Seatbelt Usage
- VII. Travel time trends

**g. Data Transfer**

The vendor must be able to import, export, and transfer data from the vender's application to the ODOT's ITS network in a JSON format or with an API interface.

- I. Describe your company's ability to transfer data.

**h. Project Scope**

For each subsection found in the "Potential Scope of Work" section, indicate whether your solution will accommodate the current platforms and describe any changes in business process that would be necessary or that may be a better process.

**i. Closed Network**

ITS operates on a closed network that is accessible only through computers in the TOC or with specialized VPN access.

- I. Provide experience your company has related to working with closed networks.

**j. Terminology**

- I. *Video Analytics*  
Technology that uses a unique algorithm to detect, track, and monitor inappropriate vehicle conditions, as well as produce traffic counts, speeds, and vehicle classifications.
- II. *Computer Aided Dispatch (CAD)*  
CAD is used by public safety professionals to record events called in by the public via 911 and to dispatch law enforcement, emergency medical services (EMS), and the fire department.
- III. *Dynamic Message Sign (DMS)*  
Electronic signs on roadways, specifically highways, which provide live traffic updates and information to assist drivers.
- IV. *Traffic Operation Center (TOC)/ Traffic Management Center (TMC)*  
Where all ITS data, computers, and network equipment are used to access and control all ITS devices and monitor the system. There are multiple access points at various agencies operating as a virtual TOC remotely.
- V. *Intelligent Transportation Systems (ITS)*  
A network that uses a variety of technologies to improve the safety, efficiency, and mobility of transportation systems.

**k. Confidential Terms, Non-Disclosure Agreement (NDA)**

It is not ODOT's intent to require confidential or proprietary information or trade secrets be submitted in response to this RFI; however, respondents are hereby notified that all information submitted is subject to the Oklahoma Open Records Act, 51 O.S. §24A.1 et seq., and will be handled in accordance with applicable laws, regulations, and policies of the State/Agency. Should your response contain confidential information, such information should be clearly marked as confidential, should your asserted basis for the claim of confidence. ODOT will make the final determination as to whether information is indeed confidential. Marking an entire response as confidential does not exempt it from the Oklahoma Open Records Act.

ODOT shall consider all submitted response materials as ODOT property. ODOT shall have the right to use all ideas, concepts, or know-how that any response presents, unless a respondent claims confidentiality, as described above, or otherwise affirmatively notes an objection as part of its response. Notwithstanding copyright designations contained within responses, ODOT shall have the right to reproduce and distribute responses internally and to ODOT consultants for further consideration and potential development of a future solicitation for statewide transportation-related collaboration, design, data management, and model authoring solutions.

**I. Financial Considerations**

This Request for Information ("RFI") is being issued to obtain information only and does not constitute a Request for Proposal ("RFP") or any other type of solicitation. No formal price quote is requested as part of this RFI; however, the supplier's response may be used to develop a budget estimate. Importantly, we are requesting suppliers provide information and details that will allow ODOT to understand the pricing approach and available commercial models your company will take to respond to our needs in possible future solicitations. There is no guarantee the issuance of such solicitations will occur in the future.

For scaling and pricing purposes use the following user base figures in your response.

**a. Estimate of Oklahoma Transportation Users:**



Traffic Engineering Divisions	5-10 users
Field Districts	8-10 users
ITS Internal	6-10 users
ITS External	10 users

**b. Desired Responses**

The state will consider RFI responses that comprehensively and completely address the below points. ODOT requests answers with as much detail and insight as possible (enter 'N/A' if a question is not applicable to your solution or organization). Each response should correspond to the point being addressed.

- I. Describe your currently available pricing model(s) and indicate how each scale with an organization's changing needs.
- II. For each available commercial model, describe how year-one pricing is calculated.
- III. Define "active user" and how use is calculated for each product related to this RFI.
- IV. Describe how administrators can control, limit, and monitor use for each product related to this RFI.
- V. If the supplier will offer a professional services solution, define the parameters and general costs associated with this as well as your nonprofessional services general costs for comparison purposes.
- VI. What costs are associated with maintenance and support of the software the supplier will provide? (If applicable)
- VII. What length contract terms are available for each of your commercial models?
- VIII. For the past seven (7) years, detail the percentage price increase or decrease impacting each of your products related to this RFI, including maintenance and support increases.
- IX. Articulate the supplier's philosophy and formula for calculating future price increases impacting each of your products related to this RFI.
- X. Document all available purchasing vehicles (i.e., channel partners, resellers, subsidiaries, or contract vehicles such as GSA, NASPO, etc.).
- XI. Does your company offer any non-profit or government agency discounts, and if so, what percentage of reduction does this represent?
- XII. Does your company offer a "competitive buyback" discount in exchange for the state ceasing use of a product under current use related to this RFI?
- XIII. Do you have any information on the usage acceptance rate since implementing solution(s) for clients? If so, provide examples and any use cases where applicable.
- XIV. To increase user acceptance and adoption rate of suppliers' solution(s), what features or innovations should ODOT consider? Provide examples and any use cases where applicable.

**5. Demonstrations, Questions, Timeline, and Supplier Response**

If desired by ODOT, select respondents may be asked to provide demonstrations of services. Each respondent should be prepared to participate in oral presentations and demonstrations to define the response, to introduce the respondent's team, and to respond to all questions regarding its response to this RFI. Presentation format, time limits, materials requested, etc., will be sent to all respondents with whom interviews are deemed appropriate. Respondents willing to participate in an interview are responsible for all costs associated with attendance. Submitting a response to this RFI does not guarantee contact or a request for a demonstration. ODOT reserves the right to interview any, all, or no respondents. Demonstrations are by request of ODOT only.

**a. RFI Portal:**

<https://app.smartsheet.com/dashboards/jVX4jWWgJxXwfx8Wq9cJj7fc6XpJjWvfg87JrRj1>

**b. Clarifying requests and questions from the supplier**

ODOT reserves the right, at its sole discretion, to respond to supplier questions. Suppliers may submit clarification requests and questions through the RFI Portal as referenced within Section 6(a) of “Demonstrations, Questions, Timeline, and Supplier Response”. Supplier questions will only be accepted until 3:00 pm CST, November 15th, 2024. Answers will be posted on the RFI portal no later than 5:00 pm CST, November 22nd, 2024.

**c. Clarification requests from ODOT**

ODOT reserves the right, at its sole discretion, to request clarifications of response information or to conduct discussions for the purpose of clarification with any or all respondents. The purpose of any such discussion shall be to ensure full understanding of the response. If clarifications are made because of such discussion, the respondent shall put such clarifications in writing.

**d. Response Submittal**

Provide one (1) electronic copy of your response no later than 3:00 pm (CST) on December 17th, 2024. The electronic copy shall be in searchable PDF, in the structured format as detailed within Section 6(e) “Preparation of Response” and officially submitted via the RFI Portal as referenced within Section 6(a) of “Demonstrations, Questions, Timeline, and Supplier Response”. In the event you claim and have marked any portion of your response as “confidential,” please provide one (1) additional electronic copy with the information claimed as confidential redacted therefrom, along with your unredacted copy.

**e. Preparation of Response**

To streamline the review process, suppliers are required to submit their responses in a structured format, as identified below. Ensure that all responses are submitted in a searchable PDF format with no less than 0.50” margins and 12-point Arial font.

- I. Learning – Describe your company approach and vision for learning pathways. Provide information on the following:
  - a. Not to exceed two pages
  - b. Include contact information.
- II. Table of Contents, List of Figures, List of Tables, List of Appendices
  - a. Not to exceed three pages.
- III. Response to information required, objectives, and specifications.
  - a. Not to exceed fifteen pages.
  - b. Third parties or subcontracted parties must be clearly identified. Technical requirements, overall timeline, case studies, and additional supporting documentation should be incorporated into the response with the corresponding materials.
- IV. Financial Considerations

- a. Not to exceed three pages.
- b. Fully accounted for pricing breakdowns should be provided, including but not limited to support, maintenance, and licensing fees.
- c. Responses must include a breakdown of pricing by subscription implementation, training and ongoing support and maintenance.

V. Company Information

- a. Not to exceed six pages.
- b. Organization Contact: Provide the name, title, address, telephone number, and email address of the person to contact concerning your organization's RFI response.
- c. Include awards and recognitions, as well as additional products, solutions, and integrations of potential additional value. Suppliers should include details of any technology that would complement ODOT Transportation Management.
- d. Describe similar use cases, previous work samples, examples, and associated references. Include solution references for projects similar in scope implemented within the last five years and using the solution for a period exceeding 12 months.
- e. References must include the company/public sector entity's name, the solution or solutions used, the name, email address, and phone number of a contact, and the length of time the company/public sector entity has been using the solution.

VI. Visual charts, diagrams, or graphics

- a. Not to exceed five pages.
- b. Any additional materials the supplier needs referenced within the response. Any additional information must be clearly marked both on the specific material and the reference location.

VII. Appendix

- a. Not to exceed five pages.
- b. All requested information/sections must be responded to completely; "inapplicable/NA" should only be used in instances where a responding supplier does not offer a solution fitting the need.

**All requested information/sections must be responded to completely, "not applicable/NA" should only be used in instances where a responding supplier does not offer a solution fitting the need.**