

PID 125063
Date: May 4, 2026
Location: Central Office

VAR-STW-ATMS System CENTRAL OFFICE TSMO PROGRAM Scope of Services

Task Order contract to select a qualified consultant team to develop a Request for Proposal (RFP) to solicit vendors to modernize ODOT's Advanced Traffic Management System (ATMS). The selected team will be primarily responsible for developing the document that will be used to solicit all necessary information for ODOT to evaluate products and solutions that integrate with ODOT's current and future field devices, along with supporting ODOT to bring to implementation.

This project includes, but is not limited to: in FY27, creating the RFP document, modification of the original ATMS Systems Engineering Analysis (SEA) to incorporate enhancements that have been added to the current system (ARCADIS inSIGHT ATMS) since 2018, procurement support (i.e. Pre-Bid questions/Addendum creation) when the RFP is out to bid, and, in FY28, support and management of the selected vendor to transition to full deployment.

1. Project Purpose & Need

- Purpose of the RFP (why ODOT is seeking an ATMS solution) and Consultant support Assisted by:
 - Discovery through stakeholder meetings/interviews
 - Document review
- Overview of ODOT's current traffic management systems and limitations
 - Current system: ARCADIS inSIGHT ATMS
- Goals for the new ATMS
 - Improving reliability of system
 - Betterment of enhancement procedure, while maintaining existing functions
 - Documentation of expected requirements
- Systems Engineering Analysis (SEA) Compliance
 - Review of current SEA & Development of new/revised SEA, based on RFP requirements

2. Scope of Work

- Consultant Responsibilities/objectives:
 - Coordinating with ODOT stakeholders (Transportation Engineers, TMC Management and Operators, IT staff) to:
 - Gather requirements and desired features
 - Evaluate integration needs
 - Discover current pain points
 - Summarized document and slide deck of ODOT ATMS needs and priorities to confirm clear requirements
 - Drafting the RFP document, based on current ATMS solutions in the market today
 - Define functional and technical requirements for the ATMS, which may include:
 - Improving efficiency for maintaining existing device capabilities with addition of future/new/unplanned enhancements
 - Development of testing procedures for new requirements
 - Need for actionable and written disincentives for downtime or enhancement delays or failures
 - Product cybersecurity and data privacy standards
 - Vendor cost and licensing model scenarios
 - Vendor support and maintenance offerings
 - Developing scoring matrix for use by ODOT to evaluate vendors' solutions
 - Developing tactical roadmap for existing to proposed ATMS switchover (if applicable)
 - SEA modification/development
 - Managing vendor submittals
 - Engagement of interested parties
 - Create matrix that compares qualifications, features and architecture, and compliance with industry standards
 - Organize vendor demonstrations
 - Procurement support with vendor pre-bid question/Addendum needs
 - Deployment support by providing guidance and managing the support necessary between ODOT and the selected vendor for the transition
 - Ensure compliance with ODOT standards and state/federal regulations for all documentation