



Regional Oversize/Overweight (OS/OW) Permitted Load Traveler Alert System

Proposed System

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Team Introductions

Steven Todd - Vice President

Specialized Carriers & Rigging Association

Danny Wells - Subject Matter Expert

Former Colorado DOT Permit Program Manager

Nick Owens - Transportation Planner

Washington Business Dynamics

Ron Schaefer - Transportation Engineer

Leidos, Technical Lead

Problem Statement

*SC&RA members moving permitted
oversize/overweight loads identified the
availability of timely and detailed information on
events that require changes in a permitted route
as a critical need to help ensure our ability to
move loads on a multi-state route safely and
efficiently*

Project Purpose

Develop and test as a model deployment in a multi-state, regional, and/or corridor-specific application designed to provide real-time information specific to the movement of freight and permitted oversize/overweight loads.

Proposed Project

- Leverage existing state systems to develop a multi-state, regional, and/or corridor-specific application used to disseminate information on a real-time basis to oversize/overweight permitted loads
- Application will be designed to address the safety concerns identified by SC&RA members by providing real-time traveler information to permit holders on conditions that adversely impact permitted routes

Key System Components

- Location of work zones and height, weight and width restrictions that require changes in the permitted route
- Expected duration of the work zone and when any restrictions will be lifted
- Location of traffic incidents with expected incident duration and any restrictions that result from the incident
- Road weather events that may cause problems along a permitted route
- Location and duration of planned special events
- Information on locations where the operator can stop or park safely and address whatever issue is adversely impacting the permitted route

Key System Components

- System will include either the integration of an existing truck parking application or a new system will be developed to enable drivers identify the location and availability of truck parking facilities.
- The application will also provide for the upload of permitted route information to in-cab GPS systems for driver accessibility.

Additional Components

- System for collecting and synthesizing data
- Development of common data formats and message sets
- Test delivery applications for effectiveness
 - Identify participating motor carriers through SC&RA
 - Freight
 - Permitted loads
 - Include assessment of potential driver distraction
- Evaluate safety, operational efficiency, and other benefits
- Identify additional applications
- Develop a concept of operations for permanent system
- Identify a business model(s) for a permanent system

Stakeholders

- SC&RA proposes that the project be implemented as a Public-Private Partnership (PPP) between industry, state DOTs and enforcement agencies, regional or corridor associations that promote the safe and efficient movement of freight such as the Ports to Plains Alliance
- Other stakeholder groups such as
 - Insurance industry
 - Shippers
 - Receivers
 - Trucking industry
- Project oversight would be provided by a Steering Committee including public and private sector representatives
- Technical support for the project will be provided by the SC&RA Team including Mr. Wells, Mr. Owens, and Mr. Schaefer (Leidos).

Funding Sources

- Internal Funding
 - Team with other states
- Pooled Funds Study
- USDOT Grants
 - Accelerated Innovation Deployment (AID)*
 - Advanced Transportation Congestion Management Technology Deployment (ATCMTD)
 - Infrastructure for Rebuilding America (INFRA)
 - FMCSA

Next Steps

- Determine what other States that may have interest
 - Texas, Oklahoma, Illinois, Kansas, and Missouri have expressed interest
- What other organizations should participate?
- Pooled Funds Study
 - Concept of Operations
- Other Grant Funding
 - System Development and Testing

Contact Information

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Thank You!

Questions