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