Freight Advisory Council
December 11, 2015
TIGER GRANT

• MAASTO Consortium (8 of 10 States)
  • Missouri and Illinois Opted out
• Applied for TIGER Grant
  • Regional Truck Parking Information and Management Systems
  • Focus on ITS technology to provide real-time data on parking availability at Private and Public truck stops and rest areas.
• Award for $25 million
  • Request: Just over $28.5
  • State match 10% of original
EXTENT

TRUCK PARKING INFORMATION
DEPLOYMENT CORRIDORS

<table>
<thead>
<tr>
<th>Corridor</th>
<th>State Deployed Across</th>
<th>Number of Deployed Rest Areas</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-35</td>
<td>Minnesota</td>
<td>3 DOT</td>
</tr>
<tr>
<td>I-64</td>
<td>Kentucky</td>
<td>2 DOT, 2 Private</td>
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<tr>
<td>I-65</td>
<td>Indiana, Kentucky</td>
<td>13 DOT, 5 Private</td>
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<tr>
<td>I-70</td>
<td>Ohio, Indiana, Kansas</td>
<td>32 DOT, 21 Private</td>
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<tr>
<td>I-71</td>
<td>Kentucky</td>
<td>1 DOT, 3 Private</td>
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<tr>
<td>I-75</td>
<td>Michigan, Ohio, Kentucky</td>
<td>14 DOT, 23 Private</td>
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<td>I-80</td>
<td>Iowa</td>
<td>7 DOT, 10 Private</td>
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<tr>
<td>I-94</td>
<td>Michigan, Indiana, Wisconsin, Minnesota</td>
<td>16 DOT, 11 Private</td>
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<tr>
<td>I-135</td>
<td>Kansas</td>
<td>4 DOT</td>
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WHY

• Improve efficiency, economic competitiveness and safety of the national freight network
• Provide safe and reliable access to truck parking
• Reduce overcrowding at rest areas and truck stops
• Decrease unsafe commercial vehicle parking on shoulders and ramps
• Drivers ability to better manage hours of service
• I-35 Cameras
HIGHLIGHTED BY JASON’S LAW

- MAP-21, Section 1401
- 2009 Tragedy
- Jason Rivenburg, Commercial truck driver
- Had a full load for delivery in South Carolina
- He was tired and sought a spot to pull over and rest
- No rest areas or truck stops available
- Parked at abandoned gas station
- Tragically, he was robbed and murdered

- Projects include a variety of options for increasing opportunities for truck parking.
WHY MIDWEST

• Three states are already implementing systems
  • Michigan, Minnesota and Wisconsin
• Implementing existing shovel ready technologies will provide a B/C ration of greater than 4.0.
• Already identified as a significant problem on the Midwest's congested freight corridors.
• 8 States willing to invest

• Safety Benefit
• Travel Time Benefit
• Environmental Benefit
INCREASING TRUCK VOLUME

2011

2040
WHAT WILL IT LOOK LIKE

- Each state will design and implement its own system
- Regional integration is a must
- Combination of existing technologies
  - Digital message signs
  - In cab information systems
  - Smart phone application
  - Traveler Website (511)
  - Dedicated Short Range Communication

- CCTV
- Presence detection systems
- Traffic Detectors
ARCHITECTURE
COMMUNICATION AND COOPERATION

• Private Owner Engagement
  • Apprehension mitigation
• Inter-state Data Sharing Agreements
• Technology Accuracy and Integration
  • Traffic count validation
• Kansas DOT Lead State for Overall Project Management
<table>
<thead>
<tr>
<th>Project Schedule</th>
<th>FFY 2016</th>
<th>FFY 2017</th>
<th>FFY 2018</th>
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<tr>
<td></td>
<td>1Q</td>
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<td>Obligation of Tiger Grant Funds</td>
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<td>Planning and Stakeholder Coordination</td>
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<td>Design</td>
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<td>System Launch</td>
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