Need

• Smooth Roads Initiative – value of portable signs
• Safety issues
  – On shoulder
• Maintenance issues
  – Reliability
Funding

• AMBER Alert Grant
  – $500K
• Traffic Division Operating Funds
  – $1.5M
Procurement

• Strike one
• Consultant Design Services
  – Telvent
    – Procurement specs for the sign
    – Site selection
    – Design drawings
    – Messaging and Operational Guidance
Location Selection

• Current Portable locations
• Even spacing throughout corridor
• Major Intersections
• Site Criteria
  – Sight distance
  – Terrain, existing guardrail
  – Source of electrical power
Installation

- T.G.B. Inc.
- $1.8M (48 signs total)
- Utility hook up cost Approx. $65K
Telecommunication

LEDSTAR DMS SYSTEM INTEGRATION
MISSOURI DOT RFP 6-070306

1. Travel Time
   Computer

2. Client workstation

3. Client workstation

4. Cisco Sonet Switch

5. Firewalls

6. Workstations

7. Springfield / KC Scout TMC

8. Fiber

9. Future connection to MoDOT Sonet

10. MoDOT Existing DMS Central

Router

MoDOT Wide Area Network (If Available)

Hub

Workstation

District Office

Backup server running Ledmaster server side software under Windows XP PRO or 2003 Server OS.
Operational Logistics

- Centralized Messaging
  - KC Scout (I-70)
  - Gateway Guide (I-44)
- CMS/DMS Guideline Document
- Types of messages
  - General Messages
## MODOT STATE WIDE DMS SYSTEM

<table>
<thead>
<tr>
<th>Sign Location</th>
<th>Comm Status</th>
<th>Sign Status</th>
<th>Remaining</th>
<th>Poll</th>
<th>Current Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>D6-I-44.DMS222.20EB</td>
<td>Normal</td>
<td>Normal</td>
<td>Infinite</td>
<td></td>
<td>BUCKLE UP ARRIVE ALIVE</td>
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<tr>
<td>D6-I-44.DMS234.30WB</td>
<td>Normal</td>
<td>Normal</td>
<td>Infinite</td>
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<td>DRIVE SMART <a href="http://WWW.MODOT.ORG">WWW.MODOT.ORG</a></td>
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<td>D6-I-44.DMS237.00EB</td>
<td>Normal</td>
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<td>FOR HIGHWAY EMERGENCIES CALL #55</td>
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<tr>
<td>D6-I-44.DMS249.05WB</td>
<td>Normal</td>
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<td>Infinite</td>
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<td>YOU DRINK YOU DRIVE YOU LOSE</td>
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<tr>
<td>D6-I-44.DMS249.90EB</td>
<td>Normal</td>
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<td>Infinite</td>
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<td>RIGHT LANE CLOSED AT MM 261</td>
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<tr>
<td>D6-I-44.DMS255.10WB</td>
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<td>FOR HIGHWAY EMERGENCIES CALL #55</td>
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<td>D7-I-44.DMS01.30EB</td>
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<td>FOR HIGHWAY EMERGENCIES CALL #55</td>
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<td>D7-I-44.DMS04.95WB</td>
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<td>FOR HIGHWAY EMERGENCIES CALL #55</td>
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<td>D7-I-44.DMS10.15EB</td>
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<td>BUCKLE UP ARRIVE ALIVE</td>
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<td>D7-I-44.DMS16.80EB</td>
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<td>SEATBELTS SAVE LIVES</td>
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<tr>
<td>D7-I-44.DMS17.25WB</td>
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<td>Infinite</td>
<td></td>
<td>TRAVEL INFO <a href="http://WWW.MODOT.ORG">WWW.MODOT.ORG</a></td>
</tr>
<tr>
<td>D7-I-44.DMS20.20WB</td>
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<td>BUCKLE UP ARRIVE ALIVE</td>
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<td>D7-I-44.DMS24.85EB</td>
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<td>TRAVEL INFO <a href="http://WWW.MODOT.ORG">WWW.MODOT.ORG</a></td>
</tr>
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</table>
## Messaging Guidance

<table>
<thead>
<tr>
<th>Situation</th>
<th>Interstate Corridor DMS’s</th>
<th>Portable CMS’s</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Route Accident</td>
<td>ACCIDENT AT MM 225 RIGHT LANE CLOSED</td>
<td>ACCIDENT AT MM 225 RIGHT LANE CLOSED</td>
</tr>
<tr>
<td>Primary Route Incident (Problem Unknown)</td>
<td>RIGHT LANE CLOSED AT MM 252 USE CAUTION</td>
<td>RHT LANE CLOSED AT MM 252 USE CAUTION</td>
</tr>
<tr>
<td>Primary/ Intersecting Route Closure</td>
<td>I-44 CLOSED AT EXIT 118 USE OTHER ROUTES</td>
<td>I-44 CLOSED EXIT 118 USE OTHER ROUTES</td>
</tr>
<tr>
<td>Exit Closure</td>
<td>EXIT 175 CLOSED USE OTHER ROUTES</td>
<td>EXIT 175 CLOSED USE OTHER ROUTES</td>
</tr>
<tr>
<td>Incident Clearance Messages</td>
<td>ACCIDENT AT MM 162 CLEARED AT 7:00 PM</td>
<td>ACCIDENT AT MM 162 CLEARED ALL LANES OPEN</td>
</tr>
<tr>
<td>Route Closure Clearance Messages</td>
<td>ALL LANES OPEN AT EXIT 118</td>
<td>ALL LANES AT EXIT 118 OPEN</td>
</tr>
</tbody>
</table>
Amber Alerts

- Amber Alerts posted on Urban and Rural DMS
- National Amber Alert Awareness Day Partnership between the Patrol and MoDOT
Public Service Announcements

TO REPORT EMERGENCIES
DIAL *55
Questions?

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