Presentation Outline

• Interstate 24: A Strategic Corridor
• Study Approach and Schedule
• Current Conditions along I-24
• Website and Comment Form
Interstate 24: A Strategic Corridor
I-24 Corridor Map
Study Purpose

Identify and Prioritize Projects for Efficient Programming into Long Range Plans & TDOT 3-Year Program

Evaluate the impact of multimodal solutions that will manage congestion, improve safety, maximize potential for freight diversion, and preserve/enhance the corridor’s economic benefits

Identify deficiencies on Interstate 24 within the State of Tennessee based on current and future travel demands
Study Approach

1. Inventory & Data Compilation
2. Existing Conditions Assessment
3. Identification & Evaluation of Multimodal Alternatives
4. Project Identification and Prioritization
5. Public Involvement
6. Project Management
Study Update

Schedule

1. Inventory and Data Compilation
2. Existing Conditions Assessment
3. Identification and Evaluation of Multimodal Alternatives
4. Project Identification and Prioritization
5. Public Involvement
6. Project Management

“P” – Public Meeting
“A” – Advisory Committee Meeting
2040 Population by County

Legend

<table>
<thead>
<tr>
<th>2040 Population (1,000s)</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;=35</td>
<td>Dark Green</td>
</tr>
<tr>
<td>35 - 50</td>
<td>Green</td>
</tr>
<tr>
<td>50 - 100</td>
<td>Medium Green</td>
</tr>
<tr>
<td>100 - 200</td>
<td>Yellow</td>
</tr>
<tr>
<td>200 - 350</td>
<td>Orange</td>
</tr>
<tr>
<td>350 - 500</td>
<td>Dark Orange</td>
</tr>
<tr>
<td>&gt;500</td>
<td>Red</td>
</tr>
</tbody>
</table>

- Interstate 24
2010 Employment by County
2040 Employment by County

Legend
2040 Employment (1,000s)
- <10
- 10 - 20
- 20 - 50
- 50 - 90
- 90 - 150
- 150 - 350
- >350
- Interstate 24

Study Update
Delay in the I-24 Study Area

Total Daily Vehicle Hours of Delay

Corridor Areas

- Clarksville: 5 (2010), 56 (2040)
- Nashville: 143 (2010), 1,094 (2040)
- Chattanooga: 25 (2010), 111 (2040)
Average Speed in I-24 Study Area

<table>
<thead>
<tr>
<th>Corridor Areas</th>
<th>Average Travel Speed (MPH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clarksville</td>
<td>46 (2010), 37 (2040)</td>
</tr>
<tr>
<td>Nashville</td>
<td>44 (2010), 31 (2040)</td>
</tr>
<tr>
<td>Chattanooga</td>
<td>47 (2010), 42 (2040)</td>
</tr>
</tbody>
</table>
Truck Trips in I-24 Study Area
Truck Travel in I-24 Study Area

![Graph showing daily vehicle miles of travel in 2010 and 2040 for Clarksville, Nashville, and Chattanooga in the I-24 study area.](image)

- **Clarksville**: 500 (2010), 1,290 (2040)
- **Nashville**: 4,256 (2010), 11,408 (2040)
- **Chattanooga**: 2,000 (2010), 4,515 (2040)
Peak Hour Congestion Along I-24

Legend

Peak Hour Level of Service
- LOS C or Better
- LOS D
- LOS E or F

City Limit Boundary
Study Corridor Boundary

Map showing congestion levels along I-24.
Peak Hour Queuing of Vehicles Along I-24
Animation of Traffic Along I-24
Website and Comment Form

- http://www.tdot.state.tn.us/i24/
  - Documents
  - Public Meeting Dates and Locations
  - Comment Form

- Fill out Comment Form Online or at Public Meeting
Q: How were the comment forms submitted?

- On-line Survey: 83%
- Electronic PDF: 6%
- Mail: 10%
- Fax: 1%
Q: Why do you use I-24?

- To/From Work: 53%
- Business: 23%
- Leisure: 16%
- Other: 8%
Q: How often do you use I-24?

- Frequently: 55%
- Often: 30%
- Sometimes: 12%
- Rarely: 3%
- Never: 0%
Q: What is the importance of less congestion to you?

- Very: 58%
- 4: 24%
- 3: 4%
- 2: 5%
- Least - 1: 9%
Q: What is the importance of safer travel to you?

- Very - 5: 51%
- 4: 21%
- 3: 15%
- 2: 8%
- Least - 1: 5%
Q: What is the importance of better/more efficient interchanges to you?

- Very - 5: 29%
- 4: 29%
- 3: 22%
- 2: 12%
- Least - 1: 8%
Q: What is the importance of other issues to you?

- Lack of enforcement of existing laws
- Not enough commuter rail and bus options
- Not enough exits
- HOV lanes don’t work
- Speed of trucks too high
- Poor “wayfinding” and lane markings
Q: What ideas do you have that could improve/correct your I-24 Corridor problems/concerns?

1. Additional lanes  29%
2. Public transit alternatives  27%
3. Longer merge lanes / on-ramps  10%
4. Remove / open HOV lanes  10%
5. More state troopers / improved enforcement  8%
6. Additional exits  8%
7. Widen lanes  6%
8. Expand freight alternatives  2%
9. Alternative routes  2%
Questions
Interstate 24 Multimodal Corridor Study