Interstate 24 Multimodal Corridor Study

Study Update Presented at the Chattanooga-Hamilton County / North Georgia TPO TCC Meeting

March 12, 2013
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
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
Schedule

1. Inventory and Data Compilation
2. Existing Conditions Assessment
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Study Update

"P" – Public Meeting
"A" – Advisory Committee Meeting
2040 Population by County
2010 Employment by County

Legend

- <10
- 10 - 20
- 20 - 50
- 50 - 90
- 90 - 150
- 150 - 350
- >350
- Interstate 24

Study Update
2040 Employment by County
Delay in the I-24 Study Area

Total Daily Vehicle Hours of Delay

<table>
<thead>
<tr>
<th>Corridor Areas</th>
<th>2010</th>
<th>2040</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clarksville</td>
<td>5</td>
<td>56</td>
</tr>
<tr>
<td>Nashville</td>
<td>143</td>
<td>1,094</td>
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<tr>
<td>Chattanooga</td>
<td>25</td>
<td>111</td>
</tr>
</tbody>
</table>

- **Clarksville**: 5 hours of delay in 2010, 56 hours in 2040.
- **Nashville**: 143 hours of delay in 2010, 1,094 hours in 2040.
- **Chattanooga**: 25 hours of delay in 2010, 111 hours in 2040.
Average Speed in I-24 Study Area

Average Travel Speed (MPH)

<table>
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<th>2040</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clarksville</td>
<td>46</td>
<td>37</td>
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<tr>
<td>Nashville</td>
<td>44</td>
<td>31</td>
</tr>
<tr>
<td>Chattanooga</td>
<td>47</td>
<td>42</td>
</tr>
</tbody>
</table>
Truck Trips in I-24 Study Area
Truck Travel in I-24 Study Area

Daily Vehicle Miles of Travel

Clarksville
Nashville
Chattanooga

Corridor Areas

2010
2040

Clarksville
Nashville
Chattanooga

Daily Vehicle Miles of Travel

500
1,290
4,256
11,408

4,515
2,000
4,000
6,000
8,000
10,000
12,000
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
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/](http://www.tdot.state.tn.us/i24/)
  - Documents
  - Public Meeting – **April 25th** at the Brainerd Community Center, 5 – 7pm
  - Comment Form

- **Fill out Comment Form Online**
Questions

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