Las Vegas Regional Goods Movement Study and Master Plan

October 21, 2015
Agenda

- Study objectives
- Data collection and Analysis
- Regional Economy
- Freight movement and obstacles
- Strategy objectives and actions
Study Objectives and Desired Outcomes

- Inventory road freight movement through and within the Las Vegas Valley
- Assess the capabilities of our infrastructure and identify needs
- Envision and shape the future of the Las Vegas Valley
- Develop near- and long-term strategies for improving the flow of goods
- Grow and strengthen the Logistics and Operations sector of our economy
Methodology of Data Collection

National Data:
FHWA Freight Database with national O-D pairs

Regional Data:
Roadside truck driver intercept surveys to understand regional truck trips

Local Data:
Local shippers and receivers surveys to understand local truck trips

Truck Trip Generators:
Aligning FAF with employment database to develop truck trip generators

NDOT & FAST:
Truck counts, travel time reliability, crash data

Stakeholders:
Public agencies and private partners—shippers & receivers
42 million tons inbound
8 million tons outbound
41 million tons inside the Valley

88% by Truck
6% by Pipelines
3% by Rail
1% by Air
2% Multiple modes

Combined imports, exports and internal freight movements
Truck Driver Intercept Survey

- Collected 1,160 surveys on March 27, 2012
- Estimated: 55% of those surveyed were through trips
- Does not adequately account for local deliveries/trips

<table>
<thead>
<tr>
<th>ID</th>
<th>Location</th>
<th>Count</th>
<th>% of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Love's Travel Stop</td>
<td>155</td>
<td>13%</td>
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<tr>
<td>2</td>
<td>Petro (Speedway)</td>
<td>213</td>
<td>18%</td>
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<tr>
<td>3</td>
<td>Pilot</td>
<td>410</td>
<td>35%</td>
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<tr>
<td>4</td>
<td>Morton's Truck Stop</td>
<td>105</td>
<td>9%</td>
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<tr>
<td>5</td>
<td>Wild Wild West</td>
<td>16</td>
<td>1%</td>
</tr>
<tr>
<td>6</td>
<td>TA Las Vegas</td>
<td>199</td>
<td>17%</td>
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<tr>
<td>7</td>
<td>Whiskey Pete's</td>
<td>62</td>
<td>5%</td>
</tr>
</tbody>
</table>

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Local Surveys

Top locations where dispatches most commonly begin (★) and end (★★)
Truck Generators and Receivers by Industry

Employment Categories

- 1 - Natural Resources
- 2 - Construction
- 3 - Industrial/Manufacturing
- 4 - Warehousing/Distribution
- 5 - Retail Trade
- 6 - Accommodation/Food
- 7 - Large Casinos

TAZ's
Businesses Generating >20 Truck Trips per Day

Legend

Truck Trip Generators/Receivers
All Employment Categories - Truck Trips > 20
- 23 - 50
- 51 - 100
- 101 - 338

TAZ's
Technical Advisory Committee

- Met 8 times with:
  - 40 Private partners
  - Local, state, federal partners
- One-on-one interviews
Economic Profile - Potential Up-and-coming Sectors

- Trade, Transportation and Utilities
- Manufacturing
- Professional and Business Services
- Education and Health Services
- Other Services

Sources: BLS QCEW, analyzed by RCG.
Freight Movement and Obstacles
Strategy Objectives and Actions
Scenario planning allows us to shift from...

**Predicting** future **Events**

to

**Preparing** for potential **Effects**
Strategies for Addressing Current and Future Needs

- Categorized existing RTP projects relevant to freight movement
- Identified additional projects needed
  - Short- and long-term
  - Cost estimates
- For possible inclusion in upcoming RTP and Nevada State Freight Plan
Strategies for Addressing Current and Future Needs

• Improved Intermodal Connectivity through Development of an Integrated Logistics Center or “Freight Village”
• Servicing Freight for Convention Facilities
• Improved access to national and global markets via two interstate corridors: I-15 and the future I-11
• Capacity and operational improvements to the local freeway network
• Capacity and operational improvements to the arterial network to address first and last mile
• Policies and initiatives
Servicing Freight for Convention Facilities

Routes without a marshalling yard
Much fewer routes with marshalling yard.

Image Source: University of Utah and Brookings Mountain West, 2010
Project Contacts

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