COUNTIES AND COLLABORATION: FEDERAL UPDATES ON TRANSPORTATION PLANNING

Transportation Steering Committee
National Association of Counties Conference
Los Angeles County- Long Beach, CA
July 22, 2016
Today’s Agenda

1. Policy Updates: MAP-21 and FAST
2. Collaborative and Innovative Approaches
3. Advancing Major Initiatives
4. Resources Available
At Last….a Final Rule

SAFETEA-LU (Aug. 10, 2005)
  – Previous Final Rule (Feb. 14, 2007)

MAP-21 (July 6, 2012)
  – Planning NPRM (June 2 – Oct. 2, 2014)
  – PEL NPRM (Sept. 10 – Nov. 10, 2014)

FAST (Dec. 4, 2015)
  – Final Planning Rule (May 27, 2016)
# FHWA TPM Rulemaking Schedule

<table>
<thead>
<tr>
<th>Performance Area</th>
<th>NPRM</th>
<th>Comments Due</th>
<th>Final Rule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statewide and Metro Planning; Non-Metro Planning</td>
<td>June 2, 2014</td>
<td>Closed October 2, 2014</td>
<td>Published May 27, 2016</td>
</tr>
<tr>
<td>Performance of the NHS, Freight, and CMAQ Measures</td>
<td>April 22, 2016</td>
<td>Open until August 2016</td>
<td>TBD</td>
</tr>
</tbody>
</table>

*Notes: NPRM = Notice of Proposed Rulemaking*
<table>
<thead>
<tr>
<th>Outreach Activity</th>
<th>Date</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTERNAL (U.S. DOT) Webinar</td>
<td>Thursday, June 9, 2016</td>
<td>COMPLETED</td>
</tr>
<tr>
<td>EXTERNAL Webinar #1</td>
<td>Tuesday, June 14, 2016</td>
<td>COMPLETED</td>
</tr>
<tr>
<td>EXTERNAL Webinar #2</td>
<td>Wednesday, July 13, 2016</td>
<td>COMPLETED</td>
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</table>
Forthcoming Planning Guidance

• Phase-in of new requirements
• Coordination on target setting
• State and MPO long-range plan – System Performance Report
• STIP/TIP description of the anticipated effect toward achieving performance targets in the Statewide and metro plans.
Unlocking Innovation through Multijurisdictional Coordination
Sample Megaregions and MPO Boundaries
Sample Megaregions and Major Cities

Cascadia
- Seattle
- Portland

N. California
- Sacramento
- San Francisco
- San Jose

S. California
- Oxnard
- Los Angeles
- Riverside
- Phoenix
- Tucson

Arizona
- Las Vegas
- Baja California
- Sonora

Front Range
- Denver

Midwest
- Minneapolis
- Milwaukee
- Detroit
- Chicago
- Cincinnati
- Columbus

Central
- Kansas City
- St. Louis
- Indianapolis
- Columbus

Texas Triangle
- Dallas
- Austin
- San Antonio

Mid-South
- Little Rock
- Memphis
- Nashville

Northeast
- New York
- Boston
- Albany

DC-VA-MD
- Washington, DC
- Baltimore
- Richmond

Piemont
- Raleigh
- Charlotte
- Wilmington

Florida
- Orlando
- Tampa
- Miami

U.S. Department of Transportation
Federal Highway Administration
Key Issues Surrounding Megaregions

- Safety
- Infrastructure / Congestion
- Freight
- Environment / Air Quality
- Economic Vitality
Los Angeles Region

FREIGHT ECONOMY OVERVIEW

Table 2. Population

<table>
<thead>
<tr>
<th>MPO</th>
<th>AREA</th>
<th>POPULATION</th>
<th>POPULATION GROWTH RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southern California Association of Govt. (SCAG)</td>
<td>33,955 sq.miles</td>
<td>18,211 million</td>
<td>9.2% (2000-2010)</td>
</tr>
</tbody>
</table>

Source: SCAG

Figure 2. Industry by Employment 2013

Health Care and Social Assistance 10,500,000
Retail Trade 9,000,000
Accommodation and Food Services 6,500,000
Manufacturing 6,000,000
Professional, Scientific, and Technical Services 5,500,000
Wholesale Trade 5,000,000
Involvement 4,500,000
Finance and Insurance 4,000,000
Construction 3,500,000

Note: Frequent Intensive Industries

Source: Bureau of Labor Statistics (BLS)

Los Angeles Region

FREIGHT FACILITY OVERVIEW

Table 1. Key Regional Transportation Facilities and Freight Hubs

<table>
<thead>
<tr>
<th>HIGHWAYS</th>
<th>RAILROADS</th>
<th>AIRPORTS</th>
<th>WATERBORNE</th>
<th>INTERMODAL TERMINALS</th>
</tr>
</thead>
</table>

Map 1. Freight Facilities

Legend:
- Airports with Major Cargo Operations
- Freight Intermodal Facilities
- Ports of Entry
- Seaports
- BNSF Railway
- UP Railway
- Other Railways
- M-5 Marine Highway Corridor
- County Boundaries

Source: CalTrans, SANDAG.

Table 3. Top 5 Commodities by Weight

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Tons (thousands)</th>
<th>% of total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2045</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gasoline</td>
<td>194,247</td>
<td>17%</td>
</tr>
<tr>
<td>Waste/scrap</td>
<td>103,860</td>
<td>9%</td>
</tr>
<tr>
<td>Foodstuffs</td>
<td>84,231</td>
<td>7%</td>
</tr>
<tr>
<td>Coal, n.e.o.</td>
<td>73,028</td>
<td>7%</td>
</tr>
<tr>
<td>Nonmetal min. prod.</td>
<td>72,865</td>
<td>6%</td>
</tr>
<tr>
<td>All commodities</td>
<td>1,123,161</td>
<td>100%</td>
</tr>
</tbody>
</table>

Table 5. Outbound by Shipment Weight

<table>
<thead>
<tr>
<th>Trade Partner</th>
<th>Tons (thousands)</th>
<th>% of total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eastern Asia</td>
<td>70,846</td>
<td>31%</td>
</tr>
<tr>
<td>Rest of California</td>
<td>47,428</td>
<td>21%</td>
</tr>
<tr>
<td>Arizona</td>
<td>10,792</td>
<td>5%</td>
</tr>
<tr>
<td>SE Asia &amp; Oceania</td>
<td>10,325</td>
<td>5%</td>
</tr>
<tr>
<td>Mexico</td>
<td>9,455</td>
<td>4%</td>
</tr>
<tr>
<td>Total outbound*</td>
<td>227,010</td>
<td>100%</td>
</tr>
</tbody>
</table>

Note: Includes all modes but excludes intraregional flows.

Table 4. Top 5 Commodities by Value

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Value (millions $)</th>
<th>% of total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2045</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electronics</td>
<td>767,777</td>
<td>23%</td>
</tr>
<tr>
<td>Precision instruments</td>
<td>255,171</td>
<td>8%</td>
</tr>
<tr>
<td>Misc. mfg. prod.</td>
<td>220,225</td>
<td>7%</td>
</tr>
<tr>
<td>Motorized vehicles</td>
<td>214,702</td>
<td>6%</td>
</tr>
<tr>
<td>Pharmaceuticals</td>
<td>204,437</td>
<td>6%</td>
</tr>
<tr>
<td>All commodities</td>
<td>3,338,807</td>
<td>100%</td>
</tr>
</tbody>
</table>

Table 6. Inbound by Shipment Weight

<table>
<thead>
<tr>
<th>Trade Partner</th>
<th>Tons (thousands)</th>
<th>% of total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eastern Asia</td>
<td>85,703</td>
<td>18%</td>
</tr>
<tr>
<td>Rest of California</td>
<td>43,763</td>
<td>12%</td>
</tr>
<tr>
<td>Arizona</td>
<td>27,958</td>
<td>6%</td>
</tr>
<tr>
<td>SW &amp; Central Asia</td>
<td>19,120</td>
<td>5%</td>
</tr>
<tr>
<td>Oregon</td>
<td>18,068</td>
<td>5%</td>
</tr>
<tr>
<td>Total inbound**</td>
<td>369,975</td>
<td>100%</td>
</tr>
</tbody>
</table>

Sources: Freight Analysis Framework 4 (FAF4), 2045 data

Note: Includes all modes but excludes intraregional flows.
* Other outbound = 78,354/38% ** Other inbound = 188,015/52%
Los Angeles Region
FREIGHT ACTIVITY OVERVIEW

Figure 1. Los Angeles Modal Freight Share by Tonnage, 2012 and 2045.

Map 3. Top Freight Bottlenecks In the Los Angeles Region

In 2014, the greater LA region’s goods movement-dependent industries collectively generated close to 3 million jobs—or 33 percent of the region’s total number of jobs. These industries also contributed $297 billion, or 36 percent of the regional GDP in the same year.

The most significant freight bottlenecks in the LA region are those along the SR-60, I-105 and I-710. In 2013, SCAG developed a Comprehensive Regional Goods Movement Plan that identified the top priority truck bottlenecks and resulted in a list of the top 50 regional priority bottlenecks.

Los Angeles, CA
Freight Truck Traffic 2045
- < 3,000
- 3,001 - 7,000
- 7,001 - 10,000
- >10,000

Sources: Freight Analysis Framework 4 (FAF4), 2012 and 2045 data

The LA region will see multimodal freight activity grow by nearly 84% in tonnage terms and expand almost 3.5 times in value between 2012 and 2045. The LA area’s freight activity is mostly domestic (76% by value and 85% by tonnage), but international freight is projected to more than triple by 2045 (value based).

The LA region accounted for the highest amount of freight activity among U.S. metropolitan markets, as measured by value (2012). By 2045, Eastern Asia is projected as the top trading partner for the LA region, for inbound and outbound shipments measured in both value and tonnage terms.

The LA region has about 70,000 lane miles of SR-60, I-710, I-105 and SR-91 sections have highest truck volumes, averaging 25,000-30,000 trucks per day.

Rail is a critical sector in LA region’s economy with BNSF and UP both carrying international and domestic cargo.

The Ports of Los Angeles and Long Beach have proposed almost $2 billion in harbor improvements to support increased on-dock rail services.

Sources for Freight Facts: FAF, BLS, ARTT, Caltrans and SCAG
# Planned Forums on Megaregions

<table>
<thead>
<tr>
<th>Megaregion Name</th>
<th>Coverage Area</th>
<th>Focus Area(s)</th>
<th>Target Date</th>
</tr>
</thead>
</table>
| Mid-Atlantic    | DE, DC, MD, PA, VA, WV | Freight  
I-95 Corridor  
High Speed Rail  
C/AV | November 2016  
*(location TBD)* |
| Mid-South       | AR, AL, LA, MS, TN | Freight  
Ports | December 8, 2016  
*Memphis* |

Other Planned Forums:

**Midwest Section One** (MI, OH, PA, WV- *target TBD*)

**Piedmont** (AL, GA, NC, SC, TN- *target TBD*)
Completed Initiatives

• Supported the establishment of the first ever Interstate 10 Corridor Coalition (Arizona, California, New Mexico and Texas)

• Award of the Smart Cities Challenge Grant to Columbus, Ohio

• On-Going Support to Practitioners via the Transportation Planning Capacity Building Peer Exchange Program
  – Counties may partner with state DOTs or MPOs to apply and receive FREE support on addressing key transportation/planning issues
Major Initiatives Underway

- **Scenario Planning Resources**
  - TRB Scenario Planning Conference in Portland, Oregon (August 14-17, 2016)
  - Peer Exchanges Available through FHWA

- **Connected and Autonomous Vehicles**
  - Participation in AASHTO Workgroup; MPO Workgroup pending
  - ITS Joint Program Office Resources
  - Expand participation to include county perspective
  - Resources and tools available through the Capacity Building program; Fall 2016
For More Information on the Planning Rule

• Download and become familiar with the new Planning Rule
  – Planning Final Rule

• New rule effective: June 27, 2016
FHWA Capacity Building Resources

- **FHWA/FTA Peer Exchange Program** available at [www.planning.dot.gov](http://www.planning.dot.gov)
- **New National Highway Institute (NHI) Courses**
  - *Basics of the Transportation Planning Process* is a 4-hour Web Based training course
  - *The Transportation Planning Process* is a 2-day Instructor Lead Training course
- **New Research Reports**
  - *The Advancing Transportation Systems Management and Operations Through Scenario Planning Guidebook*
  - *Supporting Performance-Based Planning and Programming through Scenario Planning Guidebook*
  - *Advancement of Performance-Based Scenario Planning* (Anticipated for Fall 2016)
  - *The Next Generation Scenario Planning Guidebook* (Anticipated for Fall 2016)
  - *Integrating Safety into MPO Project Prioritization* (Anticipated for Fall 2016)
FHWA Capacity Building Resources

- **The Health in Transportation Corridor Planning Framework**

- **New Case Studies on Transportation and Health** added to the website June 2016: (http://www.fhwa.dot.gov/planning/health_in_transportation/)

- **The Transportation and Health Tool (THT)** was developed by the U.S. Department of Transportation and the Centers for Disease Control and Prevention to examine the health impacts of transportation systems.
  - Provides data on a set of transportation and public health indicators for each U.S. state and metropolitan area (https://www.transportation.gov/transportation-health-tool)
FHWA Capacity Building Resources

- FHWA Megaregions Effort
  - Megaregions are defined as a group of geographic locations and/or areas that are combined because of specific commonalities and mutual interest in resolving any essential barriers.
  
  - Focus on Multi-jurisdictional coordination and partnering across boundaries, building off our EDC3/Regional Models of Cooperation effort

  - For more information and sample case studies: www.fhwa.dot.gov/planning/megaregions
Thank You

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