“The world's mega-cities are merging to form vast "mega-regions" which may stretch hundreds of kilometers across countries and be home to more than 100 million people.”

Source: UN-Habitat, (2010)
By 2015, twenty-six cities in the world are expected to have populations of 10 million or more. To feed a city of this size today - for example, Tokyo, Sao Paulo or Mexico City - at least 6,000 tonnes of food must be imported each day.

Megaregions

“The neighborhood is a critical building block for a city, cities are now the building blocks for megaregions which in turn are the new economic unit in world markets.”

Ross, Catherine. Megaregions: Planning for Global Competitiveness, Island Press, 2009
Megaregions represent a new and potentially beneficial context for American transportation planning and a new tool appropriate for national and global environments.

Emerging Megaregions

Why Megaregion Matters

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Megaregion</td>
<td>25%</td>
<td>75%</td>
<td>76%</td>
<td>60%</td>
<td>69%</td>
<td>87%</td>
<td>90%</td>
</tr>
<tr>
<td>Non-megaregion</td>
<td>75%</td>
<td>25%</td>
<td>24%</td>
<td>20%</td>
<td>52%</td>
<td>13%</td>
<td>10%</td>
</tr>
</tbody>
</table>
The Midwest Chicago Megaregion

Population (Millions, 2015)

Employment (Millions, 2015)

Midwest Chicago Megaregion: A Key National Economic Center

- One of the most populous megaregions
- Class I Railroads
- High density of development patterns and economic activities
- Areas within the megaregion are connected by multimodal infrastructure

<table>
<thead>
<tr>
<th>State</th>
<th>2015 GDP (billion dollars)</th>
<th>Share</th>
<th>Largest MSA</th>
<th>2015 GDP (billion dollars)</th>
<th>Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illinois</td>
<td>772</td>
<td>4.32%</td>
<td>Chicago-Naperville-Ogden, IL-WI</td>
<td>641</td>
<td>3.57%</td>
</tr>
<tr>
<td>Indiana</td>
<td>333</td>
<td>1.86%</td>
<td>Indianapolis-Carmel-Anderson, IN</td>
<td>134</td>
<td>0.75%</td>
</tr>
<tr>
<td>Iowa</td>
<td>176</td>
<td>0.98%</td>
<td>Des Moines-West Des Moines, IA</td>
<td>466</td>
<td>0.26%</td>
</tr>
<tr>
<td>Michigan</td>
<td>471</td>
<td>2.63%</td>
<td>Detroit-Warren-Dearborn, MI</td>
<td>246</td>
<td>1.37%</td>
</tr>
<tr>
<td>Minnesota</td>
<td>327</td>
<td>1.82%</td>
<td>Minneapolis-St. Paul-Bloomington, MN-WI</td>
<td>240</td>
<td>1.39%</td>
</tr>
<tr>
<td>Missouri</td>
<td>293</td>
<td>1.63%</td>
<td>St. Louis, MO-S - IL</td>
<td>155</td>
<td>0.87%</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>302</td>
<td>1.68%</td>
<td>Milwaukee-Waukesha-West Allis, WI</td>
<td>103</td>
<td>0.57%</td>
</tr>
<tr>
<td>US Total</td>
<td>17,925</td>
<td>100%</td>
<td>US Total</td>
<td>17,925</td>
<td>100%</td>
</tr>
</tbody>
</table>
E-Commerce: A Leader

Challenges

- Infrastructure repair and maintenance
- Asset management
- Capacity challenge (e.g. freight facilities)
- Megaregion governance
- Sustainability

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Federal Highway Administration
Opportunities

- Technologies (e.g. Intelligent Transportation Systems)
- Creation of multimodal freight terminals
- Infrastructure upgrading due to the Panama Canal expansion
- Passenger rail upgrading
- Investment in transit and inter-city connection
- Public action
- Redevelopment of industrial bases

National Highway System
Class I Railroads

Congestion Impacts

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Transportation Infrastructure and Gateways

- Highways
- Railroad
- Airports
- Seaports
- Border Crossings

Efficiency

Environment

Collaboration

Around Gateways

Safety

Derived from SANDAG and Caltrans (2013)

Planning in Context

**Coordination**

Megaregions are here

**Strategic Infrastructure**

Gateways and their connections cross modes and form a system.

**Demand Disruptions**

From e-commerce to telecommuting, travel demand disruptions will continue.

**Energy**

Energy is making progress, starting in cities and megaregions.

**Modes**

Modal assumptions will change, under impetus of automated technology.

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TRUCK PARKING INFORMATION
DEPLOYMENT CORRIDORS

Legend
- Planned Deployment Corridors
- Public Sites
- Private Sites
- Existing Sites

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