Class 11: Infrastructure and Growth - continued

Growth $\iff$ Infrastructure ... 
- Growth $\iff$ Infrastructure: How can cities ensure adequate infrastructure?
- Infrastructure $\iff$ Growth: How can cities use infrastructure to manage growth?

Regional Transportation Planning

For reference:

<table>
<thead>
<tr>
<th>Level</th>
<th>Agency</th>
<th>Funding</th>
<th>Long-Range Plans</th>
<th>Project Selection</th>
<th>Project Implementation</th>
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<tr>
<td>Federal</td>
<td>US DOT</td>
<td>Federal gas tax</td>
<td></td>
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<tr>
<td>State</td>
<td>Caltrans</td>
<td>State gas tax</td>
<td>For state</td>
<td>Outside metro areas</td>
<td>Build and maintain highways</td>
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<td>Regional</td>
<td>MPOs</td>
<td>Regional sales tax</td>
<td>For metro area</td>
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<td>Transit agencies</td>
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<td>Regional sales tax</td>
<td>For transit</td>
<td></td>
<td>Build and operate transit facilities</td>
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</tbody>
</table>

FAST Act: Fixing America’s Surface Transportation
$305$ billion for surface transportation for $5$ years, plus requirements for planning process

Metropolitan Planning Organizations (MPOs): SACOG, MTC, SCAG, SANDAG, etc.
- Regional Transportation Plans: $20$ year horizon; goals, policies, proposed projects (like GP)
- Transportation Improvement Programs: $4$-$5$ year list of funded projects (like CIP)

Question: How are transportation and land use connected?
Question: How to coordinate transportation and land use planning?
Voluntary cooperation: Regional Blueprint Plans
Financial incentives: Transit-Oriented Development

SB 375 of 2008: Redesigning Communities to Reduce Greenhouse Gases
ARB sets regional targets for GHG emissions reductions from vehicle travel (VMT)
MPOs adopt Sustainable Communities Strategies to meet targets
Incentives: CEQA streamlining, transportation funding

Water Supply

Suppliers: Projects, agencies, districts, companies, cities, counties
Implications for local planning: e.g. Dougherty Valley project in Contra Costa Co.

- SB901 of 1995: local governments must consult with water agencies for projects $>500$ units.
- SB 610 of 2001: requires cities and counties to review detailed “water supply assessment reports” as part of CEQA process for various types of large development projects
- SB 221 of 2001: prohibits cities/counties from approving new subdivisions creating more than $500$ new residential units unless adequate water supply is available