Future of the Regional Travel Surveys in the Twin Cities

May 20, 2015

CTS 26th Annual Transportation Research Conference
TBI History
Questions

- Is this the right data to collect?
- Are we collecting it in the right way?
- Are we responding to changes in society?
- Are we responding to changes in technology?
- Are we responding to stakeholder needs?
Data Stakeholders

Data is a shared asset

- Metropolitan Council
- MnDOT
- Counties and Cities
- University of Minnesota / Researchers
- Media
- Advocacy
Behaviors that are currently modeled, but could be modeled in more detail:

• Bicycle and pedestrian modes
• The use of transit
• The use of toll roads
• Modeling departure time and peak-spreading
• Substitution of in-home and out-of-home activities
• Understanding destination choice behavior
• Long-distance travel behavior
• Behavior of “millennials” and university students

Behaviors that are not currently modeled explicitly

• Car sharing, bike sharing, taxi sharing
• Choice of auto and fuel type
• Automated vehicle technology
• Productive use of travel time
• Residential location choice
• Parking choice behavior
• Employer based TDM
• Effect of auto route guidance information
• Weekend travel

Policy Questions
## Structure and Funding

<table>
<thead>
<tr>
<th>Funding Agency for the Most Recent Survey</th>
<th>Metro Atlanta (ARC)</th>
<th>Michigan DOT</th>
<th>SF Bay Area (MTC)</th>
<th>Metro Salt Lake City (WFRC)</th>
<th>TBI 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal (other)</td>
<td>---</td>
<td>---</td>
<td>Some</td>
<td>---</td>
<td>Some</td>
</tr>
<tr>
<td>State Planning Research (SPR)</td>
<td>Some</td>
<td>Majority</td>
<td>Some</td>
<td>Some</td>
<td>Majority</td>
</tr>
<tr>
<td>Surface Transportation Program (STP)</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>Majority</td>
<td>---</td>
</tr>
<tr>
<td>MPO's (not primary agency)</td>
<td>---</td>
<td>Some</td>
<td>---</td>
<td>Some</td>
<td>---</td>
</tr>
<tr>
<td>Public Law Funds</td>
<td>Majority</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Other Planning Funds</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>Some</td>
</tr>
<tr>
<td>General Fund</td>
<td>---</td>
<td>---</td>
<td>Majority</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Contingency Funds Available?</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>---</td>
</tr>
<tr>
<td>Funding Types Stable?</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>
Third Party Data
# Household Survey

<table>
<thead>
<tr>
<th>Design Option</th>
<th>Example</th>
<th>Brief Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Periodic Cross-Sectional</td>
<td>MSP, NHTS</td>
<td>Data collected during distinct period every 6-20 years</td>
</tr>
<tr>
<td>Recurrent</td>
<td>Texas, Ohio</td>
<td>Cross-sectional repeated at regular intervals (e.g. every other year)</td>
</tr>
<tr>
<td>Continuous</td>
<td>Calgary, Sydney</td>
<td>Cross-sectional survey is continual and ongoing (e.g. 365 days per year)</td>
</tr>
<tr>
<td>Panel</td>
<td>Germany, Netherlands</td>
<td>Same households participate multiple times to measure change over time</td>
</tr>
</tbody>
</table>
Other Data Collection
What do you want out of the Council’s travel survey program?