Moving ahead with Technology
Robert Puentes, Eno Center for Transportation
Virginia Transit Association Conference, May 2017
About the Eno Center for Transportation

Founded in 1921 by William Phelps Eno, inventor of the stop sign

Only U.S. think tank focused:
On all modes of transportation
To all levels of government
With public, private, non-profit
sectors
Demographic & cultural changes
Globalization complexities
Environmental & resiliency challenges
Technological disruptions
Political & financial hurdles
Transit ridership is declining in almost every major U.S. urban area

<table>
<thead>
<tr>
<th>URBANIZED AREA</th>
<th>CHANGE</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blacksburg</td>
<td>-72,498</td>
<td>-2.0%</td>
</tr>
<tr>
<td>Harrisonburg</td>
<td>-131,702</td>
<td>-4.7%</td>
</tr>
<tr>
<td>Lynchburg</td>
<td>-788,273</td>
<td>-28.5%</td>
</tr>
<tr>
<td>Richmond</td>
<td>-127,241</td>
<td>-1.5%</td>
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<tr>
<td>Virginia Beach</td>
<td>-2,201,019</td>
<td>-13.2%</td>
</tr>
<tr>
<td>Washington DMV</td>
<td>-52,959,627</td>
<td>-11.3%</td>
</tr>
<tr>
<td>Williamsburg</td>
<td>32,762</td>
<td>1.3%</td>
</tr>
</tbody>
</table>

Unlinked passenger trips, 2014-2016

Source: Eno analysis of National Transit Database
Public/private roles are changing
How should transit agencies respond?

- **Engage with Private Firms**: TNCs, service contractors, public/private partnerships.

- **Learn from Other Agencies**: Eno’s Innovation Officers Network (ION) helps learn from each other.

- **Redesign Bus Networks**: Update routes to get people from where they are to where they want to go.
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