2015 Comparative Data Report on State Transportation Programs

Prepared for
Fiscal Affairs and Government Operations Committee
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Legislative Research Commission
Kentucky General Assembly
Sources

- FHWA “Highway Statistics, 2013”
- Email Survey of State DOTs
- Better Roads Magazine
- Federal Transit Administration
Report Highlights

- Legislation
- Quick Facts / Budget Information
- Demographics and Road Mileage
- Highway Finance
- Fuel Taxes
- Public Transit
- Bridges
- Fatalities
- Administration
Recent Legislation

- State Infrastructure Banks (AL, WV)
- Ballot Initiatives (LA, TX)
- Gas Tax Increases or Stabilizations (GA, KY, NC)
- Motor Carrier Operations (AR, KY, GA, MO, OK, TN)
- Traffic Code:
  - Booster Seats Requirement Expansion (KY)
  - Seat Belt Fine Increase (TN)
  - Open Container Law (WV)
# Quick Facts Example KY

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population (2014)</td>
<td>4,413,457</td>
</tr>
<tr>
<td>Land Area (Square Miles)</td>
<td>39,732</td>
</tr>
<tr>
<td>Vehicle Miles Traveled (Billions)</td>
<td>47.0</td>
</tr>
<tr>
<td>Licensed Drivers</td>
<td>3,019,283</td>
</tr>
<tr>
<td>Motor Vehicle Registrations</td>
<td>4,031,748</td>
</tr>
<tr>
<td>State Highway Miles</td>
<td>27,620</td>
</tr>
<tr>
<td>Total Highway Lane Miles</td>
<td>78,646</td>
</tr>
<tr>
<td>Gasoline Tax (Cents per Gallon) (July 2015)</td>
<td>26.0</td>
</tr>
<tr>
<td>Per Capita State Receipts from the Federal Highway Trust Fund</td>
<td>$172</td>
</tr>
<tr>
<td>Fatalities per 100 Million Miles of Vehicle Travel</td>
<td>1.36</td>
</tr>
</tbody>
</table>
## Budget Information Example KY

<table>
<thead>
<tr>
<th>Budget Area</th>
<th>Amount (Million $)</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Administration and Support</td>
<td>73</td>
<td>3.8%</td>
</tr>
<tr>
<td>Aviation</td>
<td>14</td>
<td>0.7%</td>
</tr>
<tr>
<td>Debt Service (GARVEE Bonds)</td>
<td>68</td>
<td>3.6%</td>
</tr>
<tr>
<td>Debt Service (other state-issued bonds)</td>
<td>154</td>
<td>8.1%</td>
</tr>
<tr>
<td>Public Transportation</td>
<td>32</td>
<td>1.7%</td>
</tr>
<tr>
<td>Revenue Sharing</td>
<td>397</td>
<td>20.8%</td>
</tr>
<tr>
<td>Vehicle Regulation</td>
<td>44</td>
<td>2.3%</td>
</tr>
<tr>
<td>Capital Projects</td>
<td>15</td>
<td>0.8%</td>
</tr>
<tr>
<td>Highway Construction (includes resurfacing projects)</td>
<td>774</td>
<td>40.6%</td>
</tr>
<tr>
<td>Highway Maintenance (includes snow/ice removal, tree trimming, potholes, signage, bridge maintenance, traffic signals, roadway lighting, guardrail, and rest areas)</td>
<td>335</td>
<td>17.6%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>1,906</strong></td>
<td><strong>100.0%</strong></td>
</tr>
</tbody>
</table>
Demographics and Road Mileage

- SLC States:
  - 37.1% of the nation's population,
  - 36.9% of the nation's licensed drivers,
  - 36.6% of the nation's young licensed drivers (19 and under),
  - 37.2% of the nation's registered motor vehicles,
  - 40.9% of the nation's vehicle miles traveled,
  - 40% of the nation's highway miles.
Demographics and Road Mileage

- Registered vehicles per licensed driver:
  - SLC - 1.22  
  - U.S. - 1.21

- Miles driven annually per licensed driver:
  - SLC - 15,581  
  - U.S. - 14,085

- Trends 2012-2013:
  - VMT: SLC - Up 1%  
    - U.S. - Up 0.7% 
  - Vehicle Registrations: SLC - Flat  
    - U.S. - Up <1% 
  - Young Drivers: SLC - Down 5.7%  
    - U.S. - Up 1.7%
Survey Question: Transportation Network Companies

- Transportation Network Companies (TNCs) connecting transportation providers and riders through mobile app (Uber, Lyft)
- TNCs operate in 13 of 15 SLC states (AL, WV)
- State Regulatory Ability:
  - 7 States have passed state law governing TNC operation (AR, GA, KY, OK, SC, TN, VA)
  - 6 States have no state TNC law, relay on local regulation (AL, FL, MS, NC, TX, WV)
  - 2 States have existing authority over vehicles for hire (LA, MO)
Highway Finance

• Per capita federal highway spending in the SLC states:
  • High $233 (WV)       Low $95 (FL).

• FY 2013 Federal Apportionment/Payment ratio:
  • At least 1.00 for 14 of the 15 SLC states (TX)
  • High 2.01 (WV)       Low 0.95 (TX)
  • SLC region - 1.14     U.S. - 1.25

• 3 Historical Donor States: NC, SC, TX
Survey Question:
Extraordinary Revenue Measures

• GA – Transportation Funding Act of 2015 ($990M annually):
  • 26 cpg Gas Tax / 29 cpg Diesel, indexed for fuel efficiency
  • Heavy Vehicle Annual Impact Fees ($100-$200)
  • $5/night Hotel Motel Tax
  • Annual Fees on Alternative Fueled Vehicles ($200-$300)
  • Allows LOST of up to 1% for up to 5 years for projects
  • Keeps local sales and use tax on motor fuels

• TX voters passed constitutional amendment to transfer ½ of new oil and gas severance tax revenues to the State Highway Fund for non-toll highway improvements (estimated at $1.4B for FY 15)
Survey Question:
Extraordinary Revenue Measures

• 3 states issued bonds:
  • GA - $100M Bridges; $75M Transit;
  • MS - $162M Bridges;
  • NC - $225M GARVEEs

• 2 states (LA, TX) have constitutional amendments regarding transportation funding on the November ballot:
  • LA: Funding source for state infrastructure bank
  • TX: Transfer excess sales and vehicle sales taxes to State Highway Fund
Uncertainty of FHTF Revenues
(SLIDE FROM JULY 2014)

- Long term future of the FHTF is uncertain
- Federal gas tax of 18.4 cpg unchanged since 1993, lost 38% of its purchasing power by 2013
- VMT flat or declining, increased fuel efficiency
- FHTF received GF transfers of almost $55 billion since 2008
- FHTF projected negative balance staring in August 2014
- Federal Funds – Reimbursement basis to states
- July, 2014 -- Congressional action stabilized funding through May 2015
Uncertainty of FHTF Revenues

- IT IS NOT GETTING ANY BETTER
- July 31 Deadline Looms
- Short Term Fix Probable
- Developing a Reliable and Innovative Vision for the Economy (DRIVE) Act
  - Passed Senate Environment and Public Works Committee
  - 6 year, $277 B Federal Transportation Reauthorization
  - Contains no funding
  - Senate Finance - VMT?? Not addressing solvency issues
Uncertainty of FHTF Revenues


Highway Account of the Highway Trust Fund (Includes FHWA, FMCSA & NHTSA)

1/ Graph reflects actual data through 6/26/15 and end-of-month projections for the remainder of FY 2015.
2/ Total receipt and outlay projections are based on FY 2016 President’s Budget Baseline assumptions. Projected monthly receipt and outlay rates are based on historic averages.
3/ Range of anticipated shortfall: Green brackets denote the estimated window of when the anticipated shortfall will occur.
4/ The shaded area represents when the Highway Account balance drops below $4 billion, at which point cash management procedures may become necessary.

Source: FHWA
Survey Question: Delayed Projects?

- 3 States delayed project lettings (AR, GA, TN)
- Fewer planned projects, more conservative long range plans (LA, MS, MO)
Fuel Taxes

- SLC states collected almost $14.5 billion in motor fuel taxes in 2013
  - 36.6% of the total fuel tax revenue of all the states.
- In 2013, SLC states accounted for 70.2 billion gallons of fuel use
  - 41.4% of the nation's total.
- From 2012 to 2013:
  - 8 of the 15 SLC states saw an increase in the amount of motor fuel tax receipts.
  - Overall fuel tax receipts: SLC up 0.9%  U.S. up 0.2%
Bridges

• Substandard Bridges fall into 2 categories:
  • Structurally Deficient
  • Functionally Obsolete.

• Substandard State-Maintained Bridges:
  • SLC -18.5% U.S. - 18.4%
  • SLC down 0.4% U.S. Down 1%

• Substandard Local Bridges:
  • SLC - 25.1% U.S. – 22.4%
  • SLC down 0.3% U.S. Down 1.2%
Bridges (Continued)

- Fracture Critical Bridges
  - Does not contain redundant supporting elements
  - If key supports fail, the bridge would be in danger of collapse
  - Does not mean the bridge is inherently unsafe, only that there is a lack of redundancy in its design
- Rate: SLC - 2.0%  U.S. - 3.1%
- No Change from 2013
Fatality Rates

- Motor vehicle accident fatality rates – Fatalities per 100 million miles driven
  - SLC -1.29  U.S. – 1.09

- 3 SLC states lower than or equal to the national rate:
  - VA - 0.92   GA - 1.08  MO – 1.09

- Highest rates:
  - WV - 1.73   MS -1.58   SC – 1.57

- Rates for SLC and US dropped in 2013 after increasing for first time in several years in 2012

- Rates on rural highways >2X rates on urban roads
### Fatality Rates by Road Type 2013
(Fatalities per 100 Million Miles of Travel)

<table>
<thead>
<tr>
<th>State</th>
<th>Total Rate</th>
<th>Rural Highways and Streets</th>
<th>Urban Highways and Streets</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Interstates</td>
<td>Total</td>
</tr>
<tr>
<td>Alabama</td>
<td>1.31</td>
<td>0.83</td>
<td>1.85</td>
</tr>
<tr>
<td>Arkansas</td>
<td>1.44</td>
<td>0.99</td>
<td>2.22</td>
</tr>
<tr>
<td>Florida</td>
<td>1.25</td>
<td>1.70</td>
<td>2.79</td>
</tr>
<tr>
<td>Georgia</td>
<td>1.08</td>
<td>1.08</td>
<td>2.17</td>
</tr>
<tr>
<td>Kentucky</td>
<td>1.36</td>
<td>0.63</td>
<td>1.82</td>
</tr>
<tr>
<td>Louisiana</td>
<td>1.47</td>
<td>0.82</td>
<td>1.72</td>
</tr>
<tr>
<td>Mississippi</td>
<td>1.58</td>
<td>1.96</td>
<td>2.34</td>
</tr>
<tr>
<td>Missouri</td>
<td>1.09</td>
<td>0.40</td>
<td>1.61</td>
</tr>
<tr>
<td>North Carolina</td>
<td>1.23</td>
<td>0.66</td>
<td>2.12</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>1.41</td>
<td>1.09</td>
<td>2.18</td>
</tr>
<tr>
<td>South Carolina</td>
<td>1.57</td>
<td>0.46</td>
<td>2.45</td>
</tr>
<tr>
<td>Tennessee</td>
<td>1.40</td>
<td>0.82</td>
<td>1.90</td>
</tr>
<tr>
<td>Texas</td>
<td>1.38</td>
<td>1.20</td>
<td>2.19</td>
</tr>
<tr>
<td>Virginia</td>
<td>0.92</td>
<td>0.57</td>
<td>1.57</td>
</tr>
<tr>
<td>West Virginia</td>
<td>1.73</td>
<td>0.85</td>
<td>1.87</td>
</tr>
<tr>
<td><strong>US Totals</strong></td>
<td><strong>1.09</strong></td>
<td><strong>0.83</strong></td>
<td><strong>1.85</strong></td>
</tr>
</tbody>
</table>
Questions?

For more information, contact:

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