Joint Study Committee on Critical Transportation Infrastructure Funding

Keith Golden, P.E.
August 5th, 2014
Transportation in Georgia

• **10th** Largest Road System in Nation
  – 17,967 Centerline Miles of State Routes/Interstates
  – 85,738 Centerline Miles of County Roads
  – 17,754 Centerline Miles of City Streets

• **14,666** Bridge Structures

• **4,500** Miles of Mainline & Shortline Railroad

• **Busiest** Airport in the world (Hartsfield)

• **4th** busiest container port in US (Garden City Terminal)

• **128** Transit Providers

• **103** General Aviation Airports
GDOT Responsibilities
FY 15 GDOT Fund Sources

- Federal Funds, $1.2B
- State Motor Fuel, $1B
- General Funds, $15M
- Federal Funds, $1.2B
On the Federal Side - Highway Trust Fund Structural Imbalance

Highway Trust Fund Receipts and Outlays Discrepancy

Excludes $9.017 billion transfer from General Fund to Highway Account of HTF in September 2008; $7 billion transfer from General Fund to Highway Account of HTF in August 2009; $19.5 billion transfer from General Fund to Highway and Mass Transit Accounts of HTF in March 2010; $2.4 billion transfer from Leaking Underground Storage Tank Trust Fund to HTF in July 2012; $0.2 billion transfer from General Fund to Highway Account of HTF in FY 2013; $10.4 billion transfer from General Fund to Highway Account of HTF in FY 2014; $2.2 billion transfer from General Fund to Mass Transit Account of HTF in FY 2014.
GDOT FY 14 Motor Fuel Budget

Total State Motor Fuel Budget: $1,002,773,264

- **Maintenance**: $202,565,436 (20%)
- **General Operations**: $164,264,782 (17%)
- **GO Bond Debt**: $146,938,326 (15%)
- **LMIG**: $122,470,000 (12%)
- **Capital Projects**: $273,953,626

- **SRTA**: $92,581,094 (9%)
Motor Fuel Taxes in GA

- 18.4 cent Federal Tax
- 7.5 cent State Excise Tax
- 4% State Prepaid Sales Tax (1% redirected)
- Local Tax (not dedicated to trans.)

Local Tax on Gasoline

1%  
1%  
1%  
1%
Here in Georgia - Effective State and Local Motor Fuel Taxes

Dedicated To Transportation

- Excise Tax (7.5 cents)
- 3% Prepaid Sales Tax (≈8.8 cents)

Dedicated To General Fund & Local SPLOSTs

- 1% Sales Tax + Local Tax (≈11.2 cents)

*1% sales approx. $182M/yr @ $3.43/gal; Local taxes approx. $518M in FY 2013
• ‘Other state taxes/fees’ represents state & local sales tax component.
Effective Motor Fuel Tax (Federal & State)

- Florida – 54.42 cents
- South Carolina – 35.15 cents
- North Carolina – 55.15 cents
- Tennessee – 39.80 cents
- Alabama – 39.27 cents
- Georgia Effective – 34.7 cents
Historical State Motor Fuel Collections (2003-2013)
How do we compare?

- **Florida, $5.1B**
  - Total Debt Service, $660M, 11%

- **Georgia, $2.2B**
  - Total Debt Service, $64M, 5%

- **Virginia, $4.3B**
  - Total Debt Service, $402M, 18%

- **North Carolina, $4.3B**
  - Total Debt Service, $320M, 7%

- **South Carolina, $1.3B**
  - Total Debt Service, $160M, 4%
### How do we compare?

<table>
<thead>
<tr>
<th>Category</th>
<th>49th</th>
<th>45th</th>
<th>37th</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spending/Capita</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Employees/Capita</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>System Size/Employee</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
**How do we compare?**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Illinois</td>
<td>42,122</td>
<td>15,992</td>
<td>12,882,135</td>
<td>5,449</td>
<td>$3.5B</td>
<td>$0.7B</td>
</tr>
<tr>
<td>Florida</td>
<td>43,195</td>
<td>12,079</td>
<td>19,552,860</td>
<td>7,443</td>
<td>$4.4B</td>
<td>$0.9B</td>
</tr>
<tr>
<td><strong>Georgia</strong></td>
<td><strong>48,415</strong></td>
<td><strong>17,912</strong></td>
<td><strong>9,992,167</strong></td>
<td><strong>4,750</strong>*</td>
<td><strong>$1.3B</strong></td>
<td><strong>$0.2B</strong></td>
</tr>
<tr>
<td>California</td>
<td>50,462</td>
<td>15,127</td>
<td>38,332,521</td>
<td>18,406</td>
<td>$4.0B</td>
<td>$2.0B</td>
</tr>
<tr>
<td>Ohio</td>
<td>49,381</td>
<td>19,236</td>
<td>11,570,808</td>
<td>5,536</td>
<td>$2.4B</td>
<td>$0.4B</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>88,383</td>
<td>39,791</td>
<td>12,773,801</td>
<td>12,833</td>
<td>$3.5B</td>
<td>$1.4B</td>
</tr>
</tbody>
</table>

*GDOT 2012 FTE; GDOT 2014 FTE is now 4,121*
### Cost of State Motor Fuel Taxes Dedicated to Transportation

<table>
<thead>
<tr>
<th>Miles Driven Per Year</th>
<th>Gallons Used Per Year*</th>
<th>Cost/Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>8,000</td>
<td>333</td>
<td>$4.52</td>
</tr>
<tr>
<td>12,000</td>
<td>500</td>
<td>$6.79</td>
</tr>
<tr>
<td>16,000</td>
<td>667</td>
<td>$9.05</td>
</tr>
<tr>
<td>20,000</td>
<td>833</td>
<td>$11.31</td>
</tr>
<tr>
<td>24,000</td>
<td>1,000</td>
<td>$13.58</td>
</tr>
</tbody>
</table>

*Assumes 24 mpg vehicle (US Fleet Average)
Cost of State Motor Fuel Taxes Dedicated to Transportation Comparison

$9/month*

$71/month**

$122/month***

*Assumes, 16k miles driven per year at 24 mpg
** JD Power 2012 Survey
***US Energy Information Administration – 2012 Data
Cost of Doing Business

$1.0M/lane-mile Resurface Interstate
$278,000/lane-mile Resurface State Route
$30.9M/year for mowing
$14M/year for litter pickup
$5.2M/year for Rest Areas & Welcome Centers
$5.3M to construct 1 new lane mile (urban)
$5.6M/year to maintain ITS
$8.4M/year to maintain traffic lights
Georgia Strategic Plan - Mobility
Georgia Strategic Plan - Freight
Georgia Strategic Plan - Safety

Georgia Highway Fatalities

Year

Fatalities

2005 2006 2007 2008 2009 2010 2011 2012 2013

2000 1800 1600 1400 1200 1000 800 600 400 200 0
GDOT Major Projects

Northwest Corridor Project - $598M

I-75 South Express Lanes- $176M

I-285/SR 400 - $950M*

Jimmy DeLoach Connector- $73M

*May 2014 Preliminary Estimate
GDOT Major Project to meet Strategic Plan

- I-285/I-20 West Interchange - $450M
- I-285/I-20 East Interchange - $250M
- Revive285 - $3.0B+ ($1B for Managed Lanes)
- I-85 Widening to SC - $800M
- I-85 Widening to AL - $450M
- I-16/I-75 Interchange - $300M
- GRIP Cost to Complete - $6.8B
- *ATL Managed Lanes System Tier 1 - $2.0B

*Per 2010 Managed Lanes System Plan*
Closing Thought - Importance of Transportation to Georgia

• 2005-2035 Statewide Transportation Plan Total revenues are forecast to be $86 billion.

• Financially Unconstrained scenario of $160 billion, leaving a funding gap of $74 billion.

• Cannot and Should Not Depend of Federal Government to Deliver our Needs.