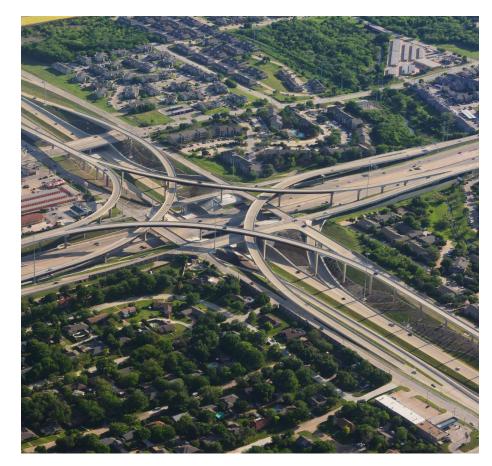


# TRANSPORTATION FUNDING AND FINANCE 101: WHY FUNDING IS POLICY

NICOLAS D. NORBOGE

Coffee and Conversation - UNC







### Funding vs. Finance

#### **FUNDING**

Transportation funding
generally refers to **new money coming in** to pay for new
transportation assets.

#### **FINANCE**

Transportation finance
generally refers to mechanisms
that help leverage funding
resources.

Mode	Major Funding Mechanisms
Roadways	<ul> <li>federal and state motor fuel taxes</li> <li>state vehicle registration fees</li> <li>federal-, state-, and local-backed bonds (debt financing)</li> </ul>
Public transit systems	<ul> <li>directly generated local revenues</li> <li>federal motor fuel taxes and fees</li> <li>state miscellaneous transportation-related revenues         <ul> <li>(not motor fuel taxes)</li> </ul> </li> </ul>
Airports	<ul> <li>state, federal and local grants and bonds</li> <li>terminal concessions</li> <li>parking fees</li> <li>passenger ticket facility charges</li> <li>landing fees</li> </ul>
Ports	<ul> <li>direct shipper user fees</li> <li>port area city and county property taxes</li> </ul>
Freight networks (rail)	private railroad dollars
Intercity passenger rail	federal and state government funds



- Federal and state motor fuels taxes
- State Vehicle Registration Fees
- License Fees
- Local Property Taxes
- Other

#### FINANCING

- Federal, state, and local backed bonds
- Credit programs
- Private equity





- Large systems are mostly funded
- through federal and local revenues
- State funding is mostly directed toward rural transit
- System revenues (e.g., farebox revenue)

#### FINANCING

- Federal and local backed bonds
- Credit programs
- Private equity

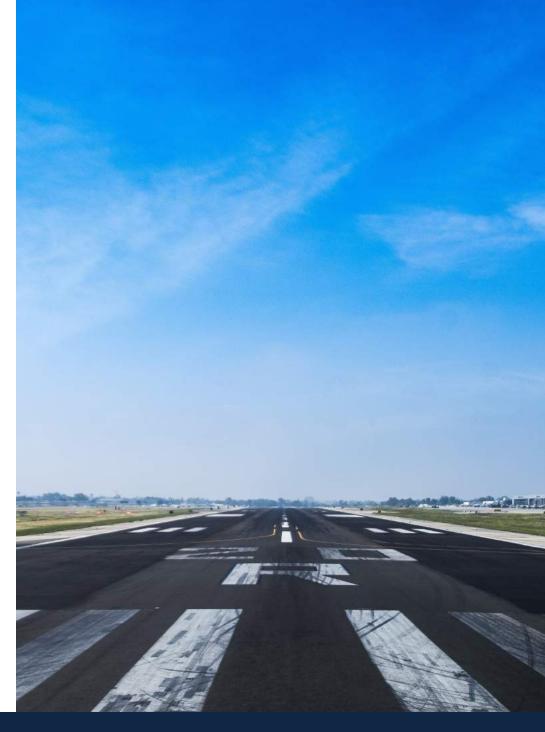




- Airport Improvement Grants
- Passenger Facility Charges
- State and Local Grants
- Parking
- Concessions
- Rental Car Operations
- Advertising

#### FINANCING

- Bonds (GR and GO)
- PFC-Backed Bonds
- Special Facility Bonds

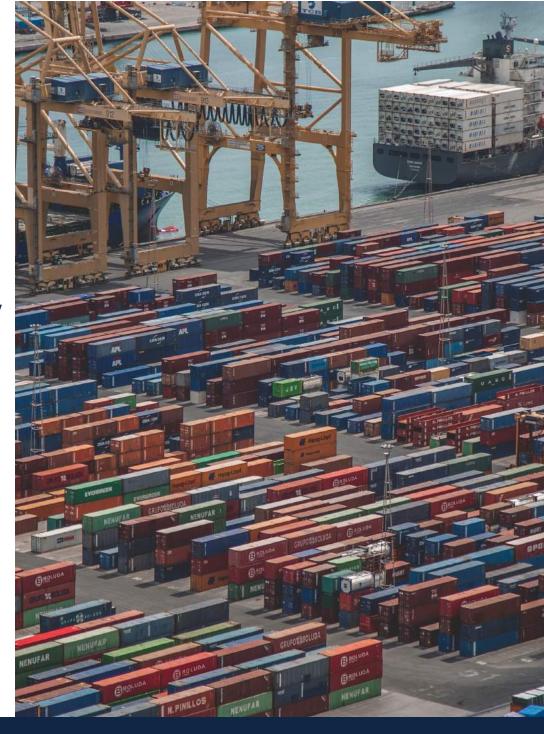




- Mostly local sources (port districts), although some states do provide some funding support
- Fees collected on leases of port property
- IWTF (Waterways)
- HMTF (Ports)

#### FINANCING

- Bonds (GR and GO)
- Grants and Fees
- Other Sources





 Funded nearly fully by private investment (freight rail companies), although federal government and some state provide indirect funding assistance

#### FINANCING

- Federal Credit Assistance
- State Revolving Loans
- Private Activity Bonds (certain facilities only)

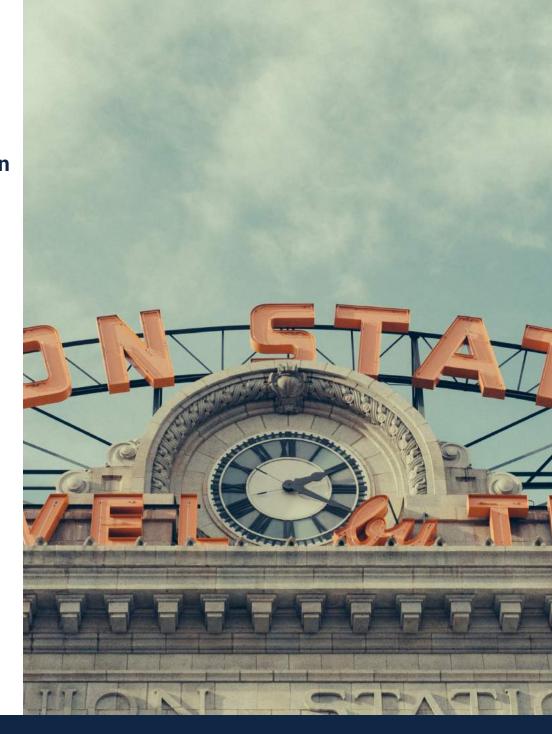




- National Railroad Passenger Corporation (AMTRAK) - ticket sales, government subsidy
- High-speed Intercity Passenger Rail
   Program (HSIPR)
- Other Grants

#### FINANCING

- Federal Credit Assistance
- State Revolving Loans
- Private Activity Bonds (certain facilities only)

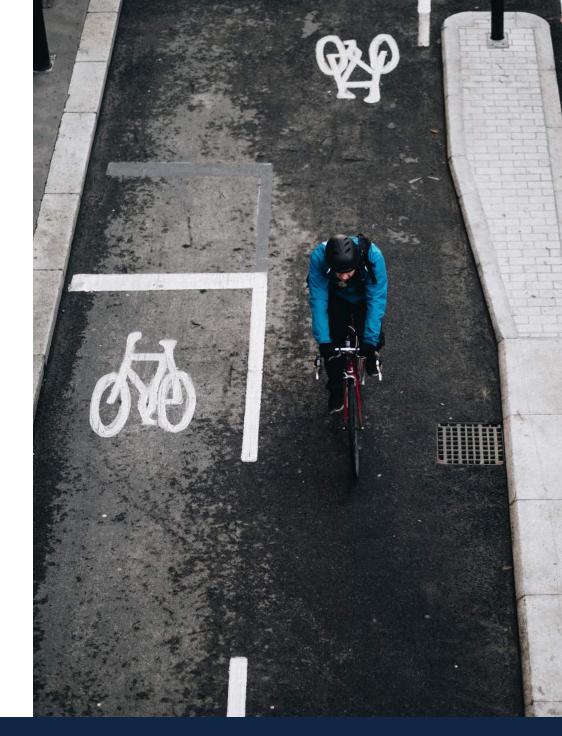




- Mostly through federal and local (municipal) programs
- Federal and state grants tend to be competitive rather than formula-based
- Non-profit/advocacy

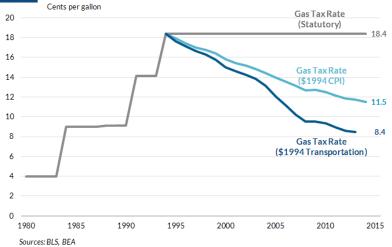
#### FINANCING

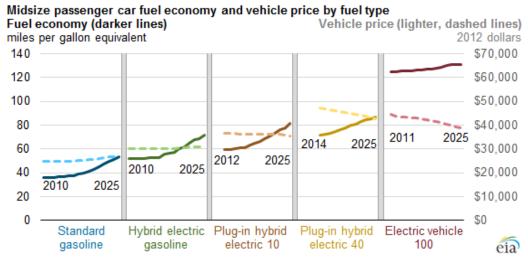
- State, county, and municipal bonds
- Non-profit/advocacy



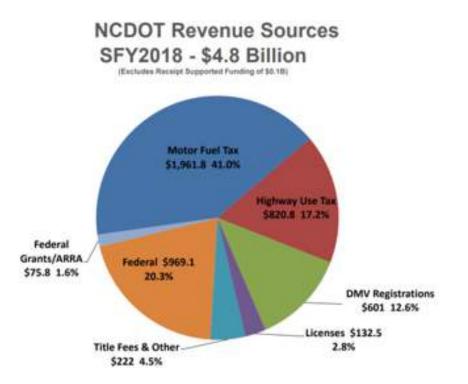
### From Pay-as-you-Go to?

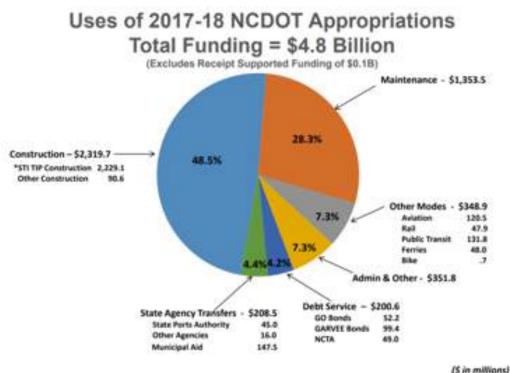






### Funding as Policy

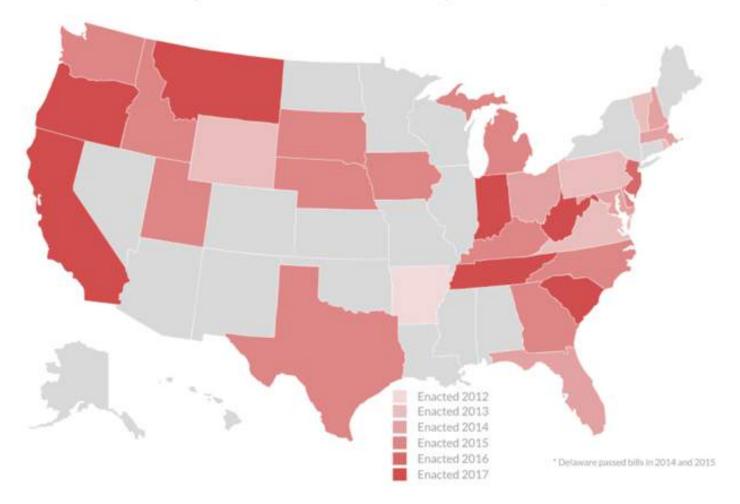




Source: NCDOT Finance and Budget, 2018.

### Funding as Policy

Successful state plans to raise additional transportation revenue, 2012-



Source: Data compiled by Transportation for America, 2018.

### Looking Ahead

- Possible expansion of private credit programs
- Incentivize "innovative" approaches to congestion mitigation
- "Liberalize" tolling policy
- Fund port/waterway projects
- Changes to environmental review process

#### **Photo Credits**

- Roads Photo by Irina Blok on Unsplash
- Ship Photo by Ksenia Kudelkina on Unsplash
- Transit Photo by Maxim Melnikov on Unsplash
- Dollar photo Photo by Madison Kaminski on Unsplash
- Bus Photo by Rhett Wesley on Unsplash
- Sound Transit Photo by Lukas Robertson on Unsplash
- Southwest plane Photo by Haley Phelps on Unsplash
- Runway Photo by Brent Cox on Unsplash
- Port Photo by Goh Rhy Yan on Unsplash
- Container Photo by Tobias A. Müller on Unsplash
- Freight train Photo by Jake Sloop on Unsplash
- Acela Photo by Mike Petrucci on Unsplash
- Union station Photo by Andrew Preble on Unsplash
- Union pacific train Photo by Levi Saunders on Unsplash
- Docked bikes Photo by Brent Cox on Unsplash
- Bike lane Photo by Brandon Wong on Unsplash
- White house Photo by David Everett Strickler on Unsplash







## THANK YOU!

**NICOLAS D. NORBOGE** 

ASSISTANT RESEARCH SCIENTIST, TEXAS A&M TRANSPORTATION INSTITUTE

N-NORBOGE@TTI.TAMU.EDU (979) 739-6463