## **National Perspective on Revenue Options for Transportation**

presented to
University of Minnesota
Symposium on Transportation
Long-Range Funding Solutions

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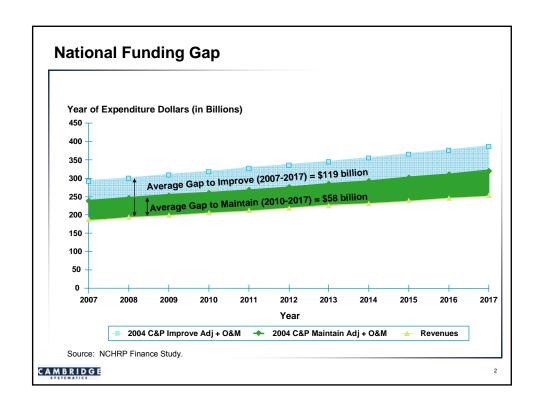


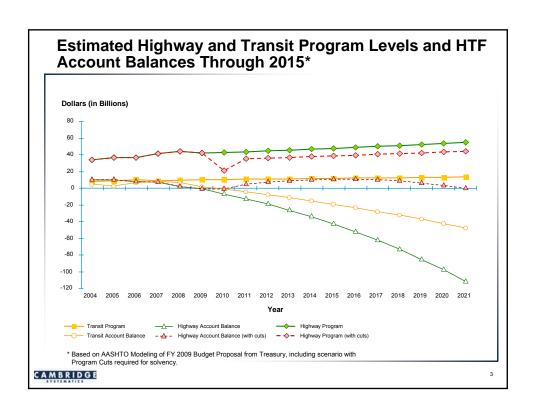
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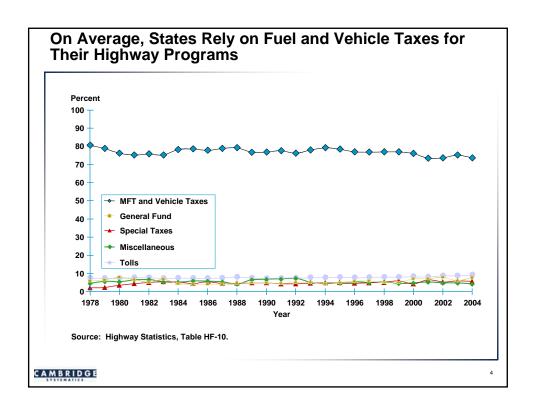
#### Outline

- Background and context
- What others have tried
- What seems to be working
- Public reaction
- . What holds promise for the future

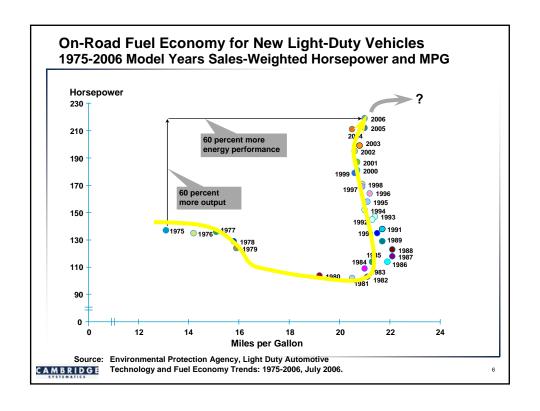
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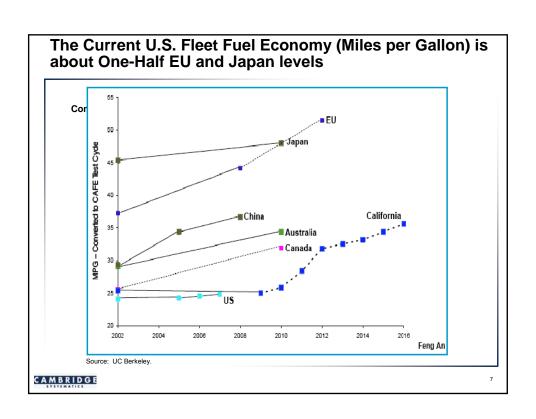






Revenue Type	Highway and Transit Revenue			
	Federal	State	Local	Total
Highway	\$34.2	\$71.7	\$41.7	<u>\$147.6</u>
Transit	\$8.1	\$8.6	\$25.4	<u>\$42.1</u>
Total	<u>\$42.3</u>	<u>\$80.3</u>	<u>\$67.1</u>	\$190 Billion
Percent	23%	42%	35%	100%





#### **Summary of Findings from Recent Policy Studies**

- Large national funding gap
- HTF in deficit before end of SAFETEA-LU and shortfall accelerates in following years
- National studies and Commission suggest multiple funding solutions to narrow gap at all levels of government
  - Federal
    - HTF Fuel and vehicle taxes, exemptions
    - Other Federal Customs duties, container fees, tax credits
  - State and local
    - Fuel and vehicle fees
    - Sales, local option, beneficiary, transit fees, freight fees, etc.
    - Tolling and pricing
    - Innovative Finance and PPPs help advance major projects
- Longer term transition away from fuel taxes as primary source (e.g., VMT fees)

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#### **Longer Term Transportation Policy Issues**

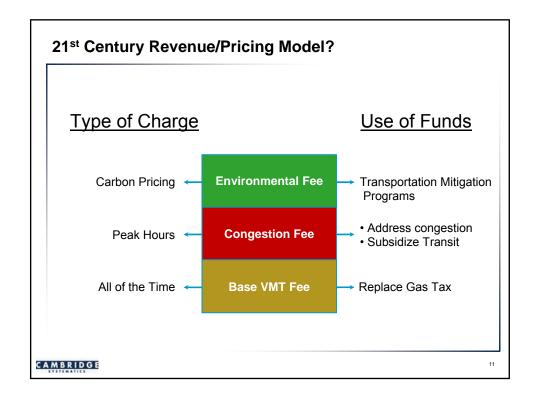
- Transition to a new revenue model for funding transportation
- Manage congestion on road system
- Meet energy and climate goals





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#### Surface transportation finance today **Gasoline Prices Reflect Policy** Gas taxes, transit fares, and vehicle fees 1. Norway \$9.85 · Public policy explicitly undervalues roads - European fuel taxation policy values urban form and travel costs differently Market failure at current equilibrium 4. Italy \$9.03 - Demand > supply = congestion Does not capture market value of travel 5. England \$8.96 capacity Ignores the cost of negative externalities 111. United States \$4.57 - Congestion cost imposed on others - Environmental and safety costs 155. Venezuela \$0.12 · Existing financing systems tend to be regressive CAMBRIDGE



#### Typology for Transportation Revenue Portfolio of Funding Direct User Fees Indirect User Fees Specialized Taxes **General Taxes** Collected from Collected from Collected from non-Collected from nontransportation users, but price not associated with an transportation users, transportation activities, but transportation activities, revenues Price directly associated with a trip revenues are are budgeted for actual trip dedicated to transportation based transportation. on legislative discretion Time-of Flat tolls State & local option sales taxes Income taxes Motor fuel taxes **Transit fares Property taxes** day Vehicle registration fees Ferry fares **General sales taxes** Other ad valorem taxes Value capture techniques CAMBRIDGE

#### **Evaluation of Revenue Sources Evaluation Criteria**

- Yield and Reliability: Revenue generation and reliability
- Economic Efficiency: Promotion of economically wise behavior
- <u>Regressivity:</u> Does strategy put an unfair burden on lowincome households?
- <u>Administrative Effectiveness:</u> Ease and cost of collection and enforcement
- <u>Public Acceptance:</u> Possible or probable, and in what timeframe?

Analysts like these...but what resonates in the real world?

Who pays? Who benefits? How much? Who wins? Who loses?

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#### What's going on nationally...

- Background and context
- What others have tried
- What seems to be working
- Public reaction
- What holds promise for the future

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## Direct User Fees AKA - Tolls

- Traditional toll financed projects needing to retrench
  - Driving is down
  - · Financing is tighter
    - Bond insurance has disappeared
  - · Projects delayed/rethought in
    - NC Triangle Exway (delayed, sale this week)
    - Virginia HOT lanes needed more public money
  - MD Inter County Connector moving forward
- PPP greenfield opportunities slowing down
  - · Similar reasons, some exceptions
- PPP asset leases almost a thing of the past
  - · Alligator Alley (FL) got no bids
- Existing toll operators looking for toll increases
  - · Some successful, some not

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## Direct User Fees "Congestion Pricing"

- New York City
  - · Congestion pricing and revenue
- Washington State
  - SR 520 Bridge, pre-construction tolling and congestion pricing
  - Alaskan Way Viaduct
  - PSRC long range plan extensive treatment of road pricing and revenue
- Oregon
  - · Legislatively mandated demonstrations
- San Francisco
  - · Doyle Drive reconstruction with parking pricing
  - MAPS 4 different cordon scenarios
  - 9-county HOT lane network

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#### Direct User Fees Mileage Based User and VMT Fees

- University of lowa study
- Oregon
  - VMT demo
  - · New legislative initiatives
- Minnesota
- Discussions in many states and at the national level
  - North Carolina
  - · Rhode Island
  - Massachusetts

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#### Direct User Fees Transit and ferry fares

Pressure to raise fares in lots of places

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## **Indirect User Fees Motor Fuel Taxes**

- By any logical test the easiest and fairest solution
  - · Some relationship to use
  - · Regressive, but so are virtually all revenue measures
  - · We know how to do it
  - · Per household, usually not a lot
    - 10 cents per gallon = \$60/year/car (roughly!)
  - · Inflation erodes value
    - Indexing to inflation ideal
    - Percent of price hard to predict
- But....
  - Hard to get through legislatures
    - Massachusetts: "Reform before Revenue"
  - Oregon passed 6 cents, but with earmarking (plus registration fees)
  - Many other proposals, some still active, some died
    - Ohio (13), Idaho (10 over five yrs), Iowa (8 over 2 yrs), NH (15 over 3 years), IL
       (8), MI (percent of gas price), TX (indexing), SD (3, killed quickly), CT (5)

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#### **Indirect User Fees** Registration fees and excise taxes

- Also proposed in many places
  - lowa (passed last year)
- Flat fees quite regressive
- Usually have low yields

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Specialized taxes
Typically state and local option sales and vehicle taxes

- Sales tax most used, particularly for transit
  - Popular in California, several passed and were extended last year
  - · Local control the big selling point
    - Usually with project lists
  - · Recent proposals in North Carolina, Georgia, Massachusetts
- Local option gas taxes
  - · Popular in Florida
- Local option vehicle taxes
  - Ohio

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## General taxes Typically income, property

- Property taxes most frequently used for local roads
- Transit agencies most frequently rely on these
- Income taxes = general fund
- Rational nexus is better than you might think

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#### Massachusetts

- . Big-dig induced funding shortfalls
  - \$15-\$19B funding gap over 20 years
- Proposals:
  - Gas tax increase, ranging: 11 to 25 cent
  - · 50% toll hikes
  - Border tolling
  - · Transit fare increases
  - Sales tax increase by 1.25 points from 5% to 6.25% (not all dedicated to transportation)
  - · "Reform before revenue"
- Outcome stay tuned!

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#### **New Hampshire**

- Motor fuel tax increase from 18 to 23, 28, 33, 38 cents year by year
- Border tolling
- Transferring state highways to toll authority

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#### Oregon

- Governor appointed "vision committee" at end of last session:
  - · Implement least cost planning
  - · Expand user fee per mile concept
  - Reduce GHG emissions
  - · Create a transportation utility commission
  - Increase fuel tax by 2 cents
  - · Increase vehicle registration fee
- Legislature passed:
  - 6 cent fuel tax increase (but no increases by locals)
    - Virtually all earmarked
  - Vehicle fee increases (much lower rate)
  - Congestion pricing pilot (implement by 2012)

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### **European experience**

- Traditionally higher motor fuel taxes
- Area and cordon pricing
- Truck tolling on motorways
- Nationwide VMT fees

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