

# A New Approach to the Transition from Per-Gallon to Per-Mile

Robert Poole
Director of Transportation Policy
Reason Foundation



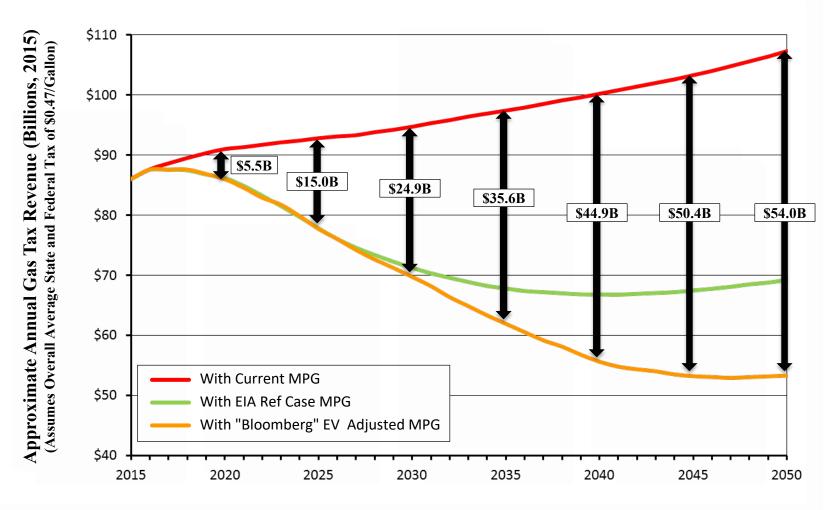
# The problem: MBUF is not popular

- NCHRP Synthesis 487: average support only 24% of population
- Media portrayal as "Big Brother in your car"
- Populist/taxpayer opposition to "yet another tax on driving"
- Focus on revenue shortfalls reinforces such concerns.
- Complex and intrusive proposals that would charge motorists for all kinds of things

## Projected State/Federal Fuel Tax Revenue

2017 Dollars; Assumes Nominal \$0.47/Gal. Combined Average Tax







## We need to reframe the issue

#### Two key concepts:

- Create a genuine value proposition for highway users.
- Begin the transition with a morecompelling need than dwindling fuel tax revenues.



# Better value proposition (1): Fix all the fuel tax's shortcomings

- Not applicable to all vehicles
- Not keeping pace with roadway needs
- Not transparent
- No effect on congestion
- Not fully dedicated to user benefits
- It's a tax, not a real user fee



# Tax or user fee?

- Is it a "vehicle miles tax" or a charge per mile driven?
- A tax is paid by all and spent at government's discretion.
- A user fee is paid by those who use a service and spent on the costs of providing that service.
- Long legal history of tax vs. user fee.



# Better value proposition (2): make it customer-friendly

- Simple and understandable—pay for roads
- Replace fuel tax, not add to it
- Make it fair to all road users
- Make it transparent
- Offer a choice of methods
- Report only miles, not details
- Include strict privacy protections
- Foster accountability of road providers



## Who should lead: feds or states?

#### The case for state-led transition:

- States own & operate the roadways
- States are more credible on roadway funding than Congress
- States are laboratories of democracy
- States pioneered fuel tax as highway user tax 35 years before feds.
- Successful state projects will inspire others to do likewise.



# The case for feds leading

- Ensure nationwide interoperability
- Provide political cover for state officials
- Economies of scale for equipment
- Could fix the under-funded Highway Trust Fund



# My assessment:

- Federal MBUF effort could set us back significantly.
- Populist and anti-tax groups would mobilize against this.
- Trucking industry would likely also mobilize, especially if trucks singled out to go first.
- This risks serious politicization of MBUFs—and likely defeat.



# A more-compelling problem to solve

- Aging, undersized Interstate highway system: a major problem, with no current solution.
- With 5% of lane-miles, they handle 25% of all VMT (35% if other limited-access included)
- Toll-financed Interstate reconstruction using well-accepted all-electronic tolling
- Tolls can be stated on per-mile basis.

The National Academies of SCIENCES • ENGINEERING • MEDICINE

#### **CONSENSUS STUDY REPORT**

#### Renewing the National Commitment to the Interstate Highway System

A Foundation for the Future







# TRB report conclusion: We need to <u>replace</u> existing Interstates

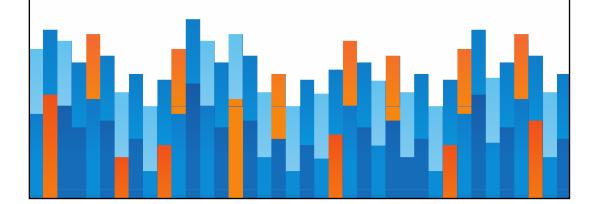
- Pavement is wearing out.
- Numerous bottleneck interchanges.
- Not enough lanes for projected growth.
- No dedicated truck lanes (for LCVs, platooning, autonomous trucks).
- Poor services.





# THE CASE FOR TOLL-FINANCED INTERSTATE REPLACEMENT

by Robert W. Poole, Jr. March 2019





### Customer-friendly tolling provisions

- 1. Tolls all-electronic and charged per mile.
- 2. Charged *instead of* fuel tax, not in addition.
- 3. Revenues used *only* for capital and operating costs of Interstates.
- 4. Charge tolls only *after* bridge or corridor is rebuilt, in operation.
- 5. Charge all vehicles, not just trucks.
- 6. Charge *same rates* to in-state and out-of-state vehicles.



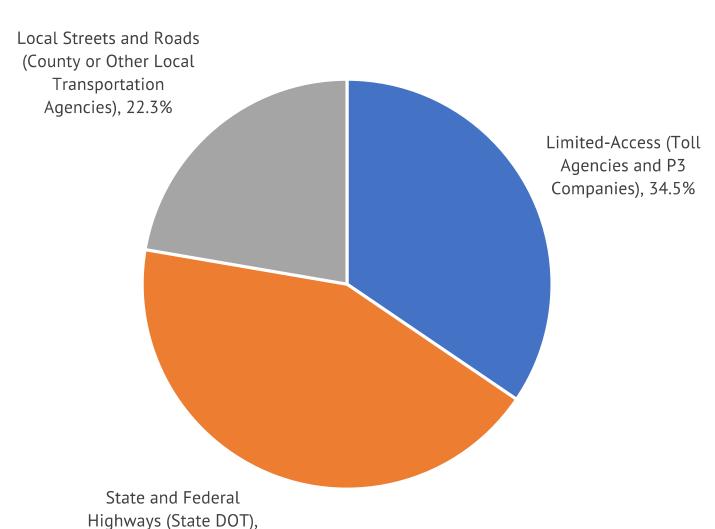
#### What about all other roads?

- Propose this after state is under way on limited-access highways.
- Lower per-mile rate than Interstates.
- State DOT responsible for state highways and major arterials.
- County/regional agencies responsible for local roads.

# MBUF revenue division among roadway providers, based on VMT in each

43.2%







# Roadway provider accountability

- MBUF revenues paid to each provider, based on its VMT.
- Regulatory oversight of spending and MBUF rate by state transportation commission (and local equivalents)
- Transparency and accountability summarized by annual roadway bill (comparable to local property tax bill).

### Sample roadway user fee bill





### **2025 [STATE NAME] ROADWAY UTILITY**

#### ACCOUNT INFORMATION

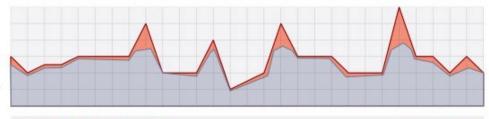
Account Number Name Address

# **STATEMENT**

#### ROADWAY USE AND CHARGES

Providers	Per-Mile Rate	Miles Driven	Amount
County Agency	2.0 cents/mile	3,122	\$62.44
State DOT	2.5 cents/mile	6,048	\$151.20
[Limited Access Providers*]	5.5 cents/mile average	4,830	\$265.65*
Total Amount Due *billed separately		14,000	\$479.29 <b>\$213.64</b>

#### ROADWAY USAGE



**AMOUNT DUE:** 

\$213.64



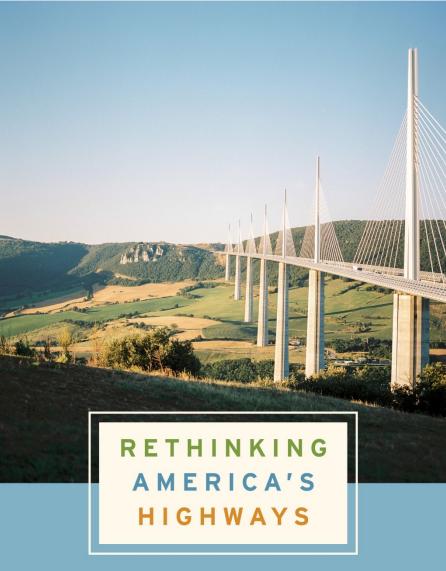
# Topics needing further research

- Regulatory oversight of new highway/roadway utilities
- Revised funding for non-highway modes (e.g., expanded transport sales taxes)
- Role of vehicle registration fees and local property taxes in MBUF world
- Canadian and Mexican drivers on US roadways
- Federal role in state-led transition



### **Conclusions**

- Address <u>all</u> fuel-tax shortcomings
- Customer-friendly approach, like other utilities
- Begin with revenue-neutral approach
- States should lead, not the feds
- Start transition with a more-visible problem: aging Interstates





A 21st-Century Vision for Better Infrastructure

ROBERT W. POOLE JR



# Questions?

#### **Contact information:**

https://reason.org/topics/transportation

Bob.poole@reason.org