Symposium on Mileage-Based User Fees U.S. Deployment Approaches: Truck Fees April 20, 2010

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National Perspective

- Federal and state highway finance systems are broken
 - Current revenues fall well short of demand
 - Growth in high-efficiency light vehicles will reduce revenues from gasoline and shift financial burden toward trucks
 - Federal goal of 35.5 MPG for new cars by 2016
- Growing interest (enthusiasm by some) in mileage-based fees but full deployment will take time due to:
 - Technology issues
 - Privacy concerns
 - Cost to deploy and operate
 - Political support
 - A few pilot projects, but no deployment planned in North America

VMT Fees and Truck-based VMT Fees

- Truck based VMT fees have several advantages:
 - Most large trucks already have installed required equipment
 - at no cost to public and no additional costs for motor carriers
 - Privacy less of an issue since fleet owners have the right to know the location of their trucks
 - But concerns over release of origin and destination data
 - Some union issues
 - Low cost to equip additional trucks
 - May require subsidies, soft loans, or financial incentives



NY Truck VMT Fee Project

- NOT modeled on the German truck fee system!
- Goal: establish a revenue-neutral, mileage-based tax model that generates support from motor carrier industry and public sector.
 - Revenue Neutral for motor carriers and public sector
 - Mileage fee will replace existing state truck taxes
 - Emphasize Simplification
 - Use Based Fees
 - Vary by class of truck, class of road, time of day and congestion
 - Industry Inclusive
 - Data and information from four motor carriers with a variety of operations
 - Work from ground up to build support within industry
 - Data Intensive
 - Actual data from NY-based fleets
 - Statewide
- Possible partial implementation in 2010

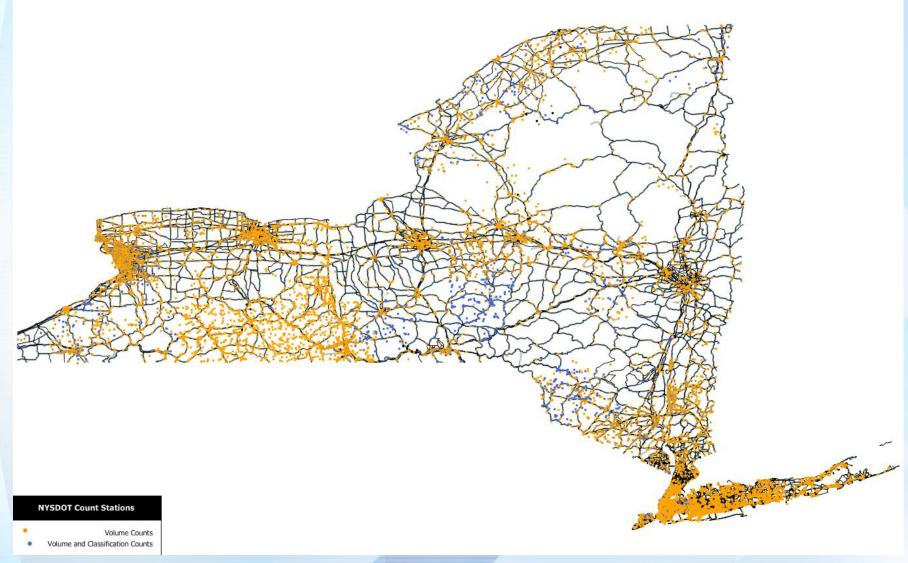


Analytic Work

- Estimate truck VMT by vehicle class and by type of road
 - Build on NYSDOT data
 - Total close to FHWA estimate for NY truck VMT
- Estimate truck payments by truck class
 - Ton mile tax
 - Diesel tax
 - Registration fees
- Compare with actual receipts
- Findings
 - Significant under payment of ton mile tax matches earlier findings by ATRI
 - Under payment of NY state diesel fuel tax



Development of VMT – NYSDOT Count Stations





Detail by Class of Road and Type of Truck

	Total	Straight Trucks F05 - F07	Trucks with trailers F08 - F10	Trucks with multi-trailers F11 - F 13
Hwy VMT (million miles)	10,139	4,147	5,865	126
Non-Thruway VMT (million miles)	8,566	3,794	4,646	126
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Thruway tolled VMT	1,573	353	1,219	
A1 + Ramps	3,805	1,348	2,391	66
A2	977	597	367	12
A3 + Others	3,784	1,849	1,888	48
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- A1 Primary highways with limited access
- A2 Primary highways without limited access
- A3 and Others secondary highways

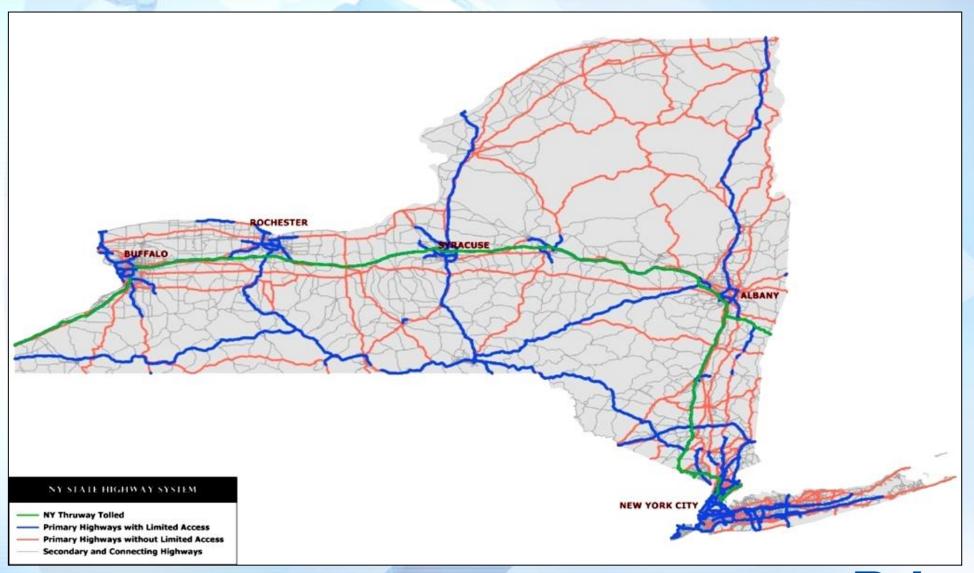


Proposed Fee Structure

- Focus on tractor-trailers and straight trucks
- Average fee for all miles
- Variable fee by:
 - Thruway no substitute for tolls
 - Other limited access roads
 - Primary roads
 - Local (all other roads)
 - Off-peak discount



NY State Highway System





Preliminary Proposed VMT Fees – Tractor Trailers

Baseline Flat Fee – Single Per-mile Fee

- Non-Thruway =10.6 cents per mile
- Thruway = 5.1 cents per mile in addition to existing tolls

Congestion Fee Option - Based on Time of Day

 Discount for travel in off-peak rather than higher fees for peak travel. Off peak travel in urban areas = 4 percent of VMT for our sample of trucks



Preliminary Proposed VMT Fees – Tractor Trailers

Fees by Class Of Road

- 7 cents per mile for A1 roads Primary highways with limited access other than Thruway
- 11 cents per mile for A2 roads Primary highways without limited access
- 15 cents per mile for local roads

But, some truckers argue for a simple, single fee system

- Is it Revenue Neutral?
 - Rates match current law (on average)
 - Revenues for NY state would be higher



Project Timeline

Fast Track Plan

- Phase I: Use real data to test alternative fee structure
- Phase II: A "live" voluntary test with some truck fleets paying the new VMT tax in exchange for dropping other truck fees
 - Possible for late 2010
- Phase IIA: Use IFTA filings for simple national system
 - Could this also replace the truck excise tax (12 %)?
- Phase III: Full implementation
 - Requires legislation
 - Best if done on a multi-state basis



Adds Value for Operations and Planning

- Data about truck movements and characteristics support
 - Improved freight efficiency
 - Freight planning
 - Aggregate O and D data
 - Fuel use data provides actual costs, rather than reliance on models
 - Greenhouse gas analysis
 - Potential for carbon credits
- Provide data for truck-focused spending in return for non-revenue neutral fee
- A "poor man's" Intellidrive?



Who is Working on This Project?

- Greater Buffalo-Niagara Regional Council
 - With support from MPOs in Albany and Binghamton
- Funds from FHWA Value Pricing program
 - Competitive procurement
- Consultant team
 - Delcan Corporation
 - 800-person transportation consulting firm
 - Experience in finance, policy, economics, and technology
 - Calmar Telematics
 - Based in Syracuse
 - Specialty in truck fleet management data
- Advisory Panel includes NYSDOT, 3 MPOs, NYCDOT, AASHTO, I-95, EPA, NYSERDA ...

