

Congestion Pricing in the U.S.: Where Do We Go From Here?

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Overview

- Congestion pricing today
- Congestion pricing in 2010
- Outlook for the next decade through 2020

Congestion Pricing Today:

Scope

- **Managed Lanes:**
 - Separate lanes on freeways
- **Managed Highways:**
 - All lanes on highway managed with pricing
- **Area or Regionwide Pricing:**
 - User charges on all roads

Congestion Pricing Today: *Policies*

- **Fixed charges:**
 - But different for peak vs. off-peak
- **Variable charges:**
 - Rates change within peak periods to maintain a specific level of service
 - Dynamically
 - Periodically, e.g., every 3 months

Congestion Pricing Today:

Examples – Managed Lanes

Fixed peak vs. off-peak toll differential	Toll rates set to maintain specific LOS
<ul style="list-style-type: none">•Houston I-10 and US 290	<ul style="list-style-type: none">•SR 91 in Orange Co., CA•I-15, San Diego•I-394, Minneapolis•I-25, Denver

Congestion Pricing Today:

Examples –Managed Highways

Fixed peak vs. off-peak toll differential	Toll rates set to maintain specific LOS
<ul style="list-style-type: none">•Ft Myers bridges•NYC crossings•Orange Co., CA•Dulles Greenway•France & S. Korea	<ul style="list-style-type: none">•Singapore expressways and major arterials

Congestion Pricing Today:

Examples –Area Pricing

Fixed peak vs. off-peak toll differential	Toll rates set to maintain specific LOS
<ul style="list-style-type: none">•London•Stockholm•Singapore•Milan•Valletta, Malta	<ul style="list-style-type: none">•Singapore CBD cordon

Congestion Pricing Today:

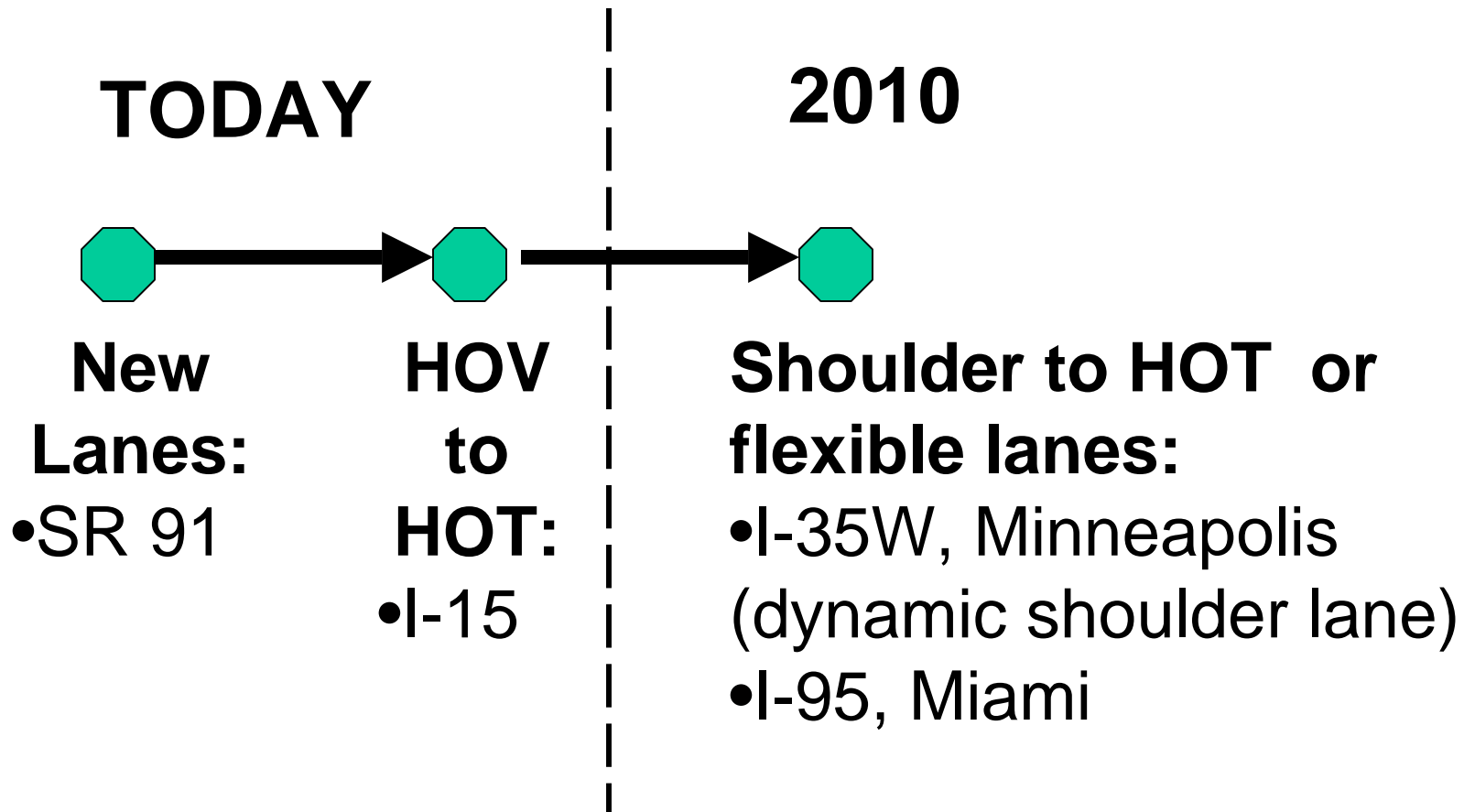
Examples – Regionwide Pricing

Technology & behavior pilot tests	Public opinion studies
<ul style="list-style-type: none">•Oregon (ODOT)•Seattle (PSRC)•Minnesota (MnDOT)•Atlanta (Georgia Tech)•University of Iowa	<ul style="list-style-type: none">•Oregon•Minnesota•N. Virginia and Philly (USDOT)•Netherlands, U.K.

Overview

- Congestion pricing today
- **Congestion pricing in 2010**
- Outlook for the next decade through 2020

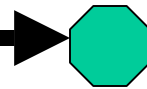
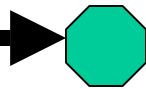
Congestion Pricing in 2010: *Managed Lanes*



Congestion Pricing in 2010: *Managed Highways*

TODAY

2010



**Bridges
&
Tunnels**

Tollways

Bridge: SR 520, Seattle
Highway: Doyle Drive, San Francisco

Peak/off-peak toll differential

Toll rates set to maintain specific LOS

Congestion Pricing in 2010: *Area Pricing*

TODAY



**Cordon
Pricing:**
San
Francisco

Study only

2010



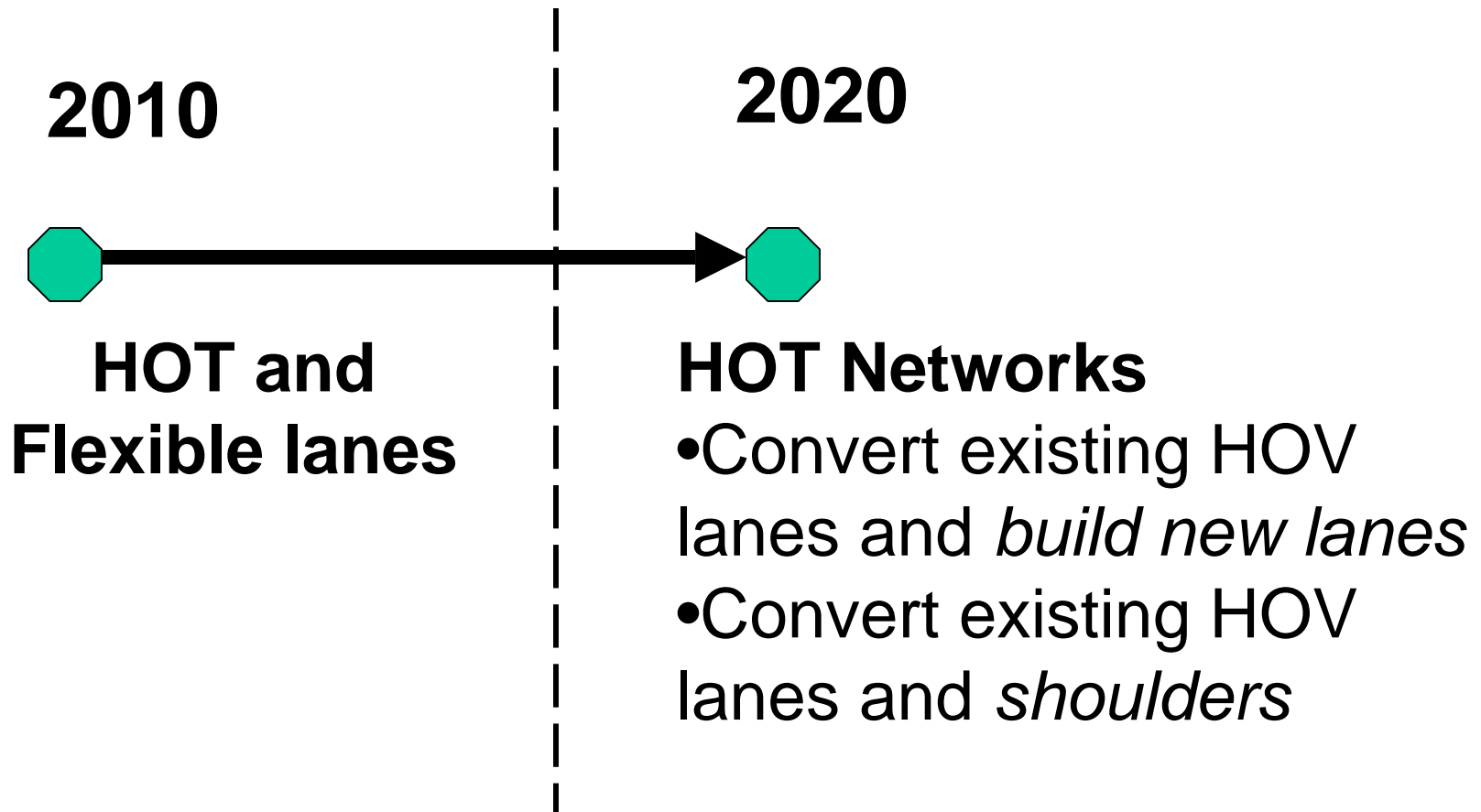
Cordon or area pricing:
Manhattan, New York City

**3-year trial
implementation**

Overview

- Congestion pricing today
- Congestion pricing in 2010
- **Outlook for the next decade through 2020**
 - **Optimistic scenario**

Congestion Pricing in 2020: *Managed Lanes*



HOT Network with Added Lanes: *Washington DC*

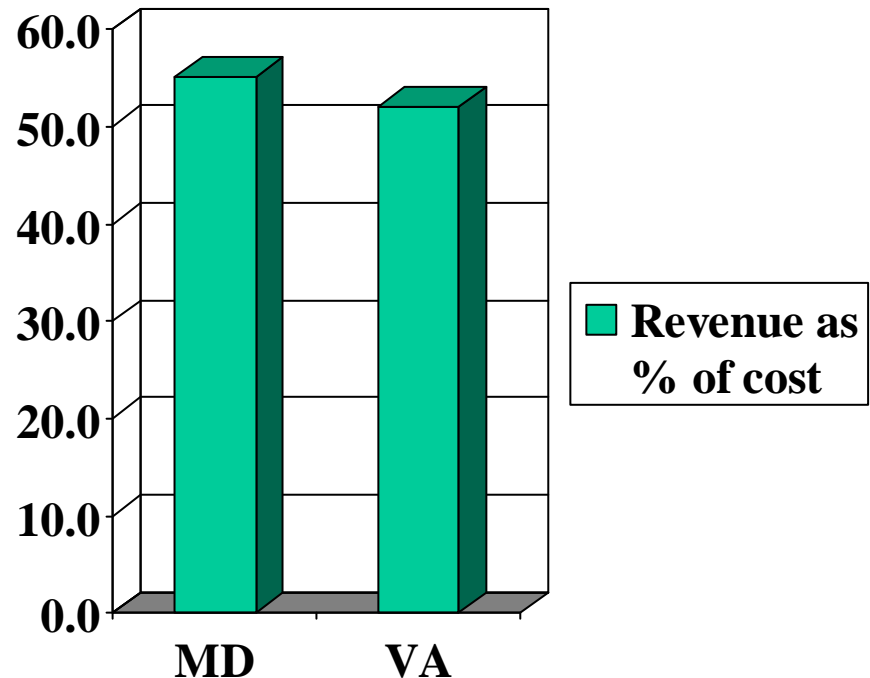
Maryland portion:

- Cost = \$37.5 B
- Revenue = \$20.8 B

Virginia portion:

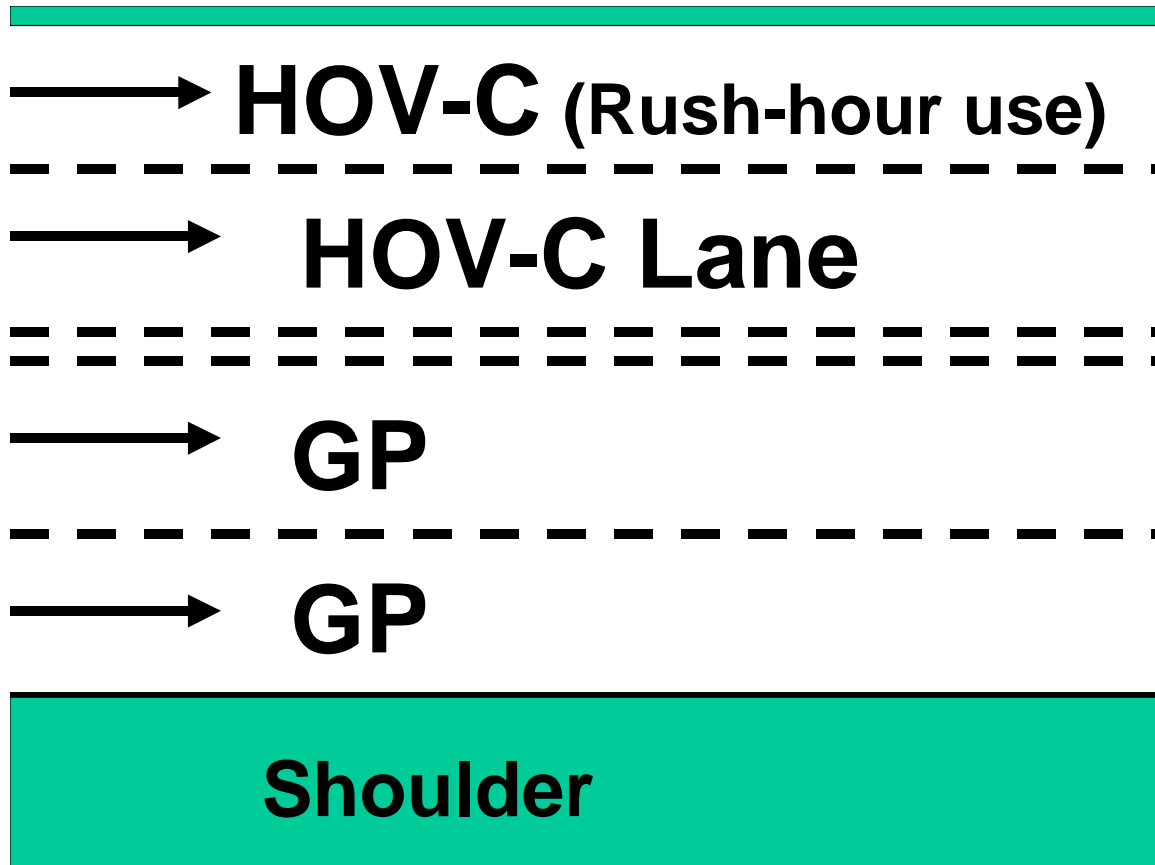
- Cost = \$24.4 B
- Revenue = \$12.7 B

*Source: DRAFT Report, Dec 5,
2007 by MWCOG*

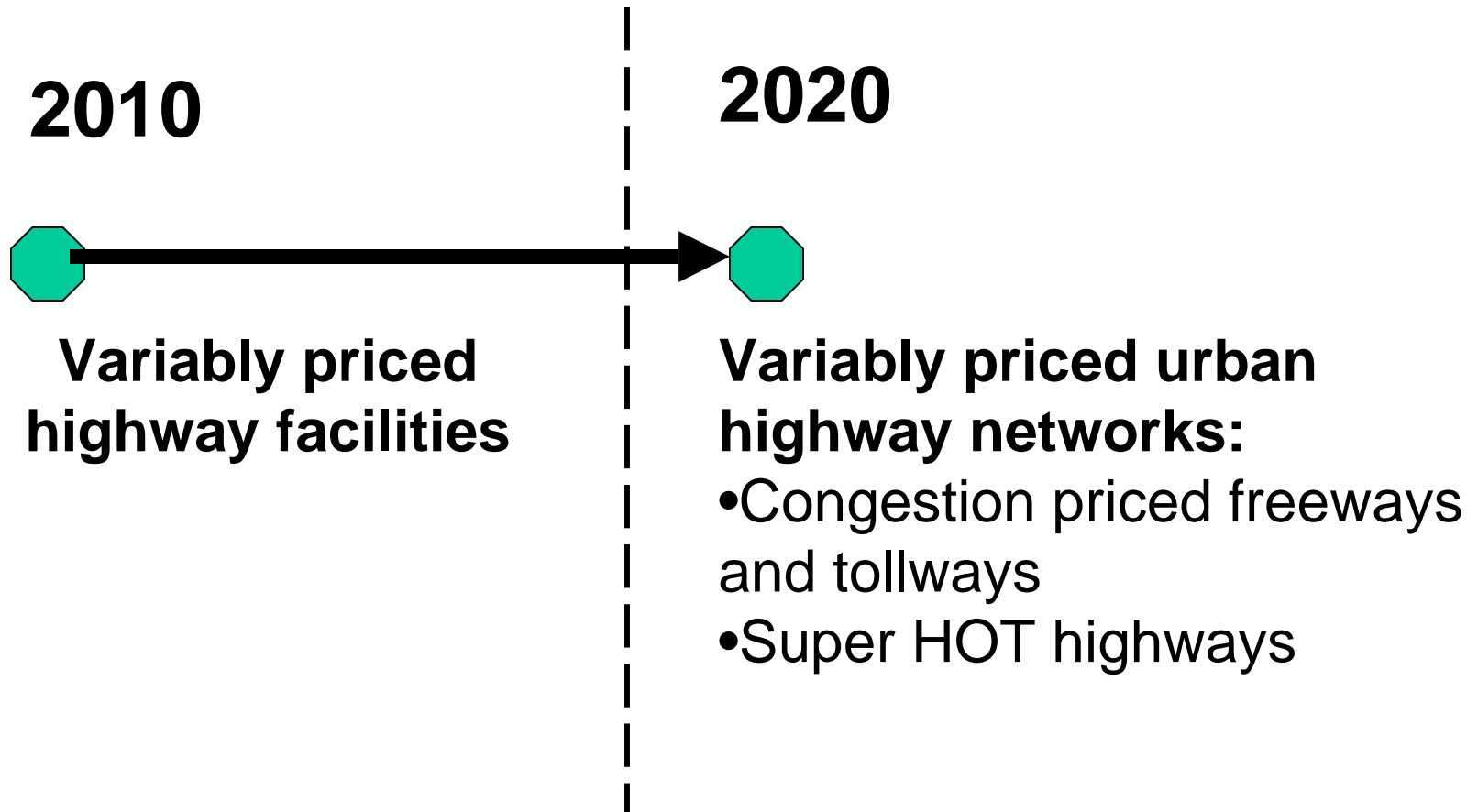


HOT Network with No Added Lanes

(TRB paper No. 08-0184)



Congestion Pricing in 2020: *Managed Highways*



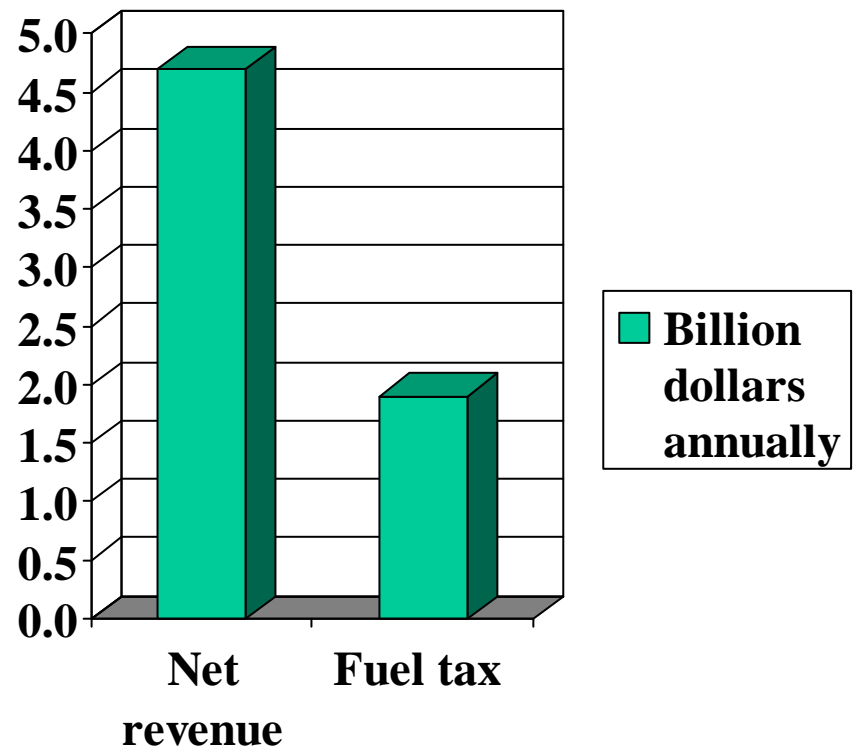
Priced Urban Freeway Network: *Los Angeles (TRB Paper 08-0182)*

Annual toll revenue:

- Gross = \$5.5 B
- Net = \$4.7 B

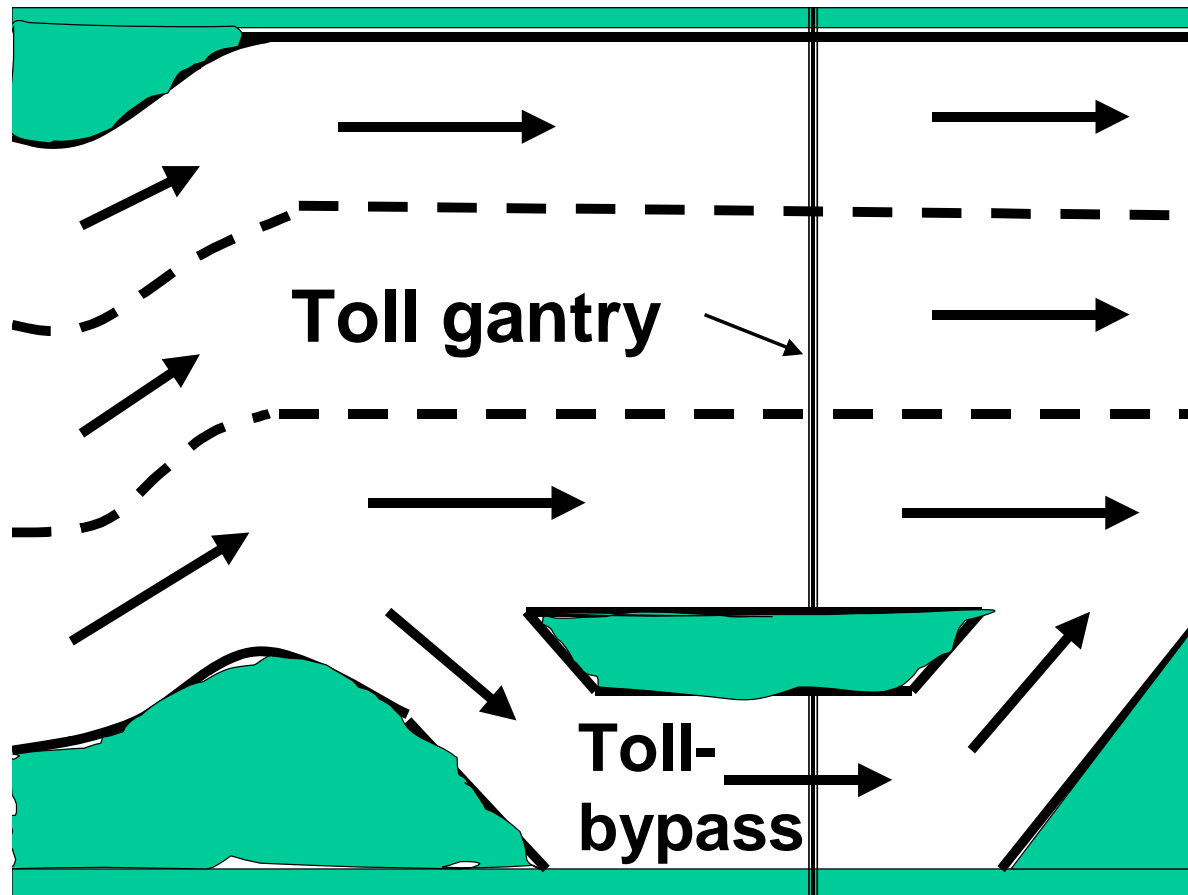
Current fuel tax receipts:

- Metro area = \$1.9 B



Super HOT Highways

(TRB Paper No. 08-0185)



Congestion Pricing in 2020: *Area or Regionwide Pricing*

2010



**Area pricing in NYC
provides transit
funding**

2020



- Cordon pricing in other cities**
- Variable road user charges replace the fuel tax**

Concluding Thoughts

- **Financing shortfalls are pushing governments to take a serious look at pricing:**
 - New York, Seattle, San Francisco initiatives under USDOT Urban Partnership Program
- **Key factors that will influence the future:**
 - Success of pilot projects
 - National leadership and resources
 - Public outreach and education