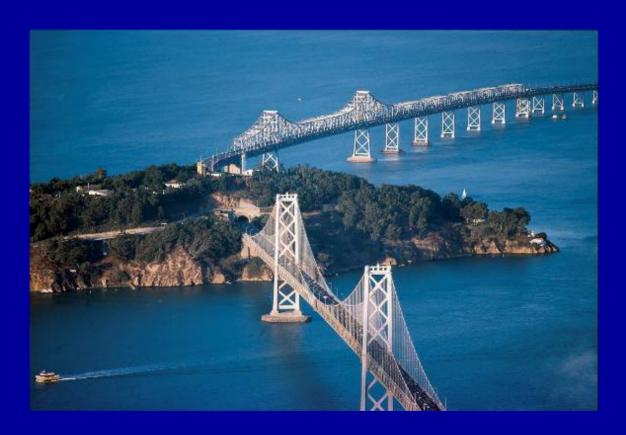
# Political Dimensions of Congestion Pricing: the Case of the San Francisco-Oakland Bay Bridge



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## Roadmap

- Context setting
- First, the not so good news
   Bay Bridge effort

Second, the better news
 Overcoming challenges &
 political hurdles if the timing is right

## Non-Road Examples

Airline tickets: peak seasons, time-of-day

Matinee movie tickets

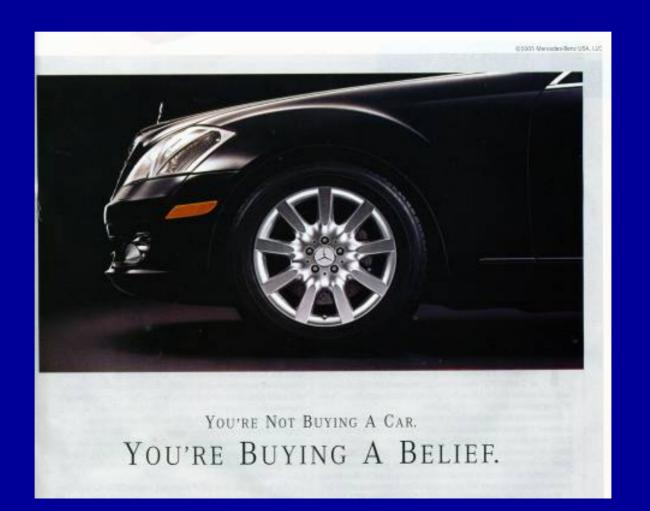
 Telephone use: business hours vs. evenings/weekends (esp. cell calls)



## A student favorite example!



# Should freeways be "free-of-charge"?



## Congestion Pricing Types: one size does not fit all

- Existing versus new
- ➤ All lanes (toll bridge, toll road)
- ➤ high-occupancy toll lanes (HOT) lanes
- ➢Area-based (London)

## Relevance of Bay Bridge Case

- A new frontier goal of reducing delay plus others
- No pricing projects in US to point to then
- None on existing facility
- Significant congestion (20 minutes delays)
- Geographically constrained--where expand capacity? new bridge would be costly & major environmental issues
- Equity & political consequences...

- First federal project selected in U.S.
- Funded through federal Congestion Pricing grant (program now called "Value Pricing")
- Test case for federal grant process, agreements, guidance



## **Key Partners**

- Metropolitan Transportation Commission
- State Dept of Transportation (Caltrans)

- Business and environmental groups— Important combination
- Federal Highway Administration (FHWA)

- Need state legislative authorization to increase toll because bridge is a state facility
- Toll was \$1, carpools (3+ occupants) free
- Examined \$2 to \$5
   peak toll, both
   directions with \$ to
   travel alternatives



Many preconceptions in bridge case

For airports, preconceptions? historic issues?

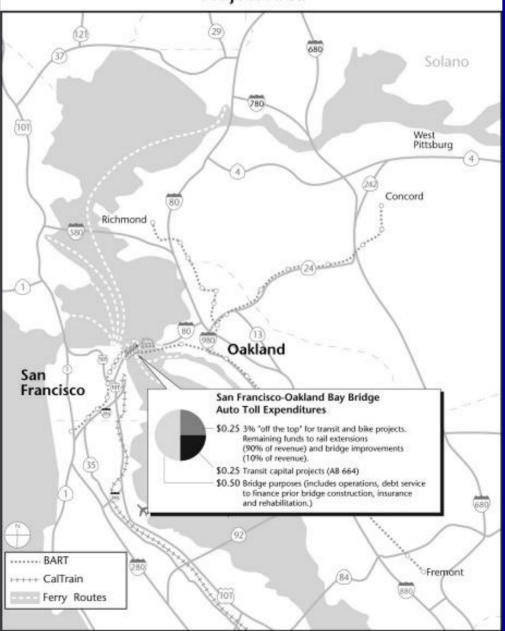
## Preconception #1

Bridge already paid for

Tolls should be removed

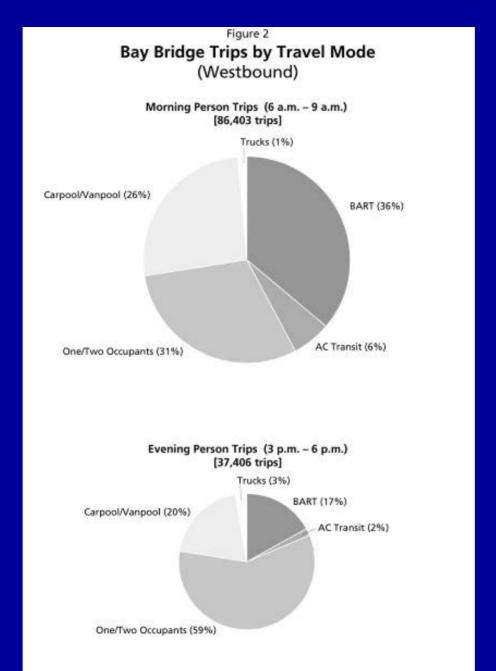
- Pricing as "double taxation"
  - regular toll and the peak surcharge???
  - What about the gas tax?

## Bay Area Congestion Pricing Demonstration Program Project Area



## Preconception #2

Everyone in corridor would pay more

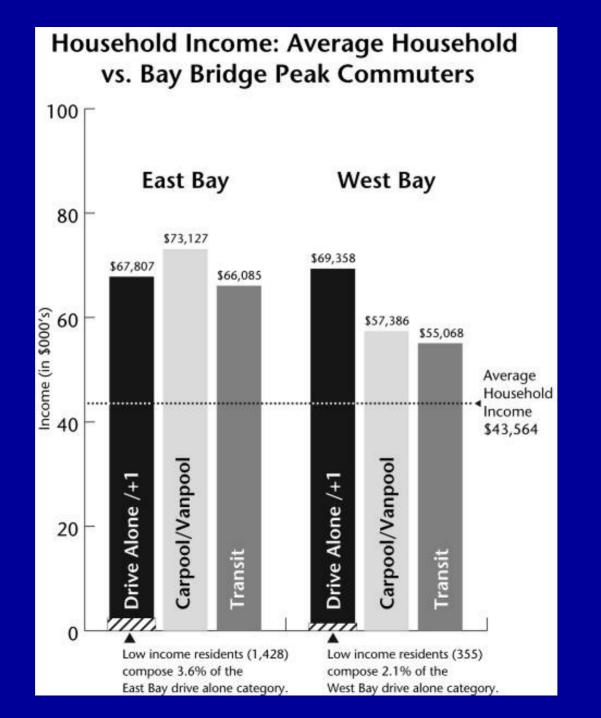


## Preconception #3

Higher tolls will hurt low income drivers

Isn't that the main equity issue?

 Key issue for elected officials—wanted a clear solution to this problem



# Also equity issues— not just income related

- Individual equity:
  - impact on poor
  - "car-dependents" (for work, travel during peaks because of childcare, inflexible work schedules), and/or do not have commute alternatives
- Geographic equity: East vs. West Bay
- Modal equity: \$ distribution between transit agencies, carpool, bicycle

## Preconception #4

Drivers will not want to pay a higher toll





## Preconceptions gathered through:

- -focus groups
- -stakeholder interviews
- -media accounts

## Five major concerns voiced

- 1. need visible delay reduction
- 2. toll could not be too high

- 3. <u>But...skeptical</u> about reducing delay unless very high toll
- 4. need visible transit improvements

 skeptical on government spending new dollars wisely and delivering promised projects

## The Proposal--"package approach"

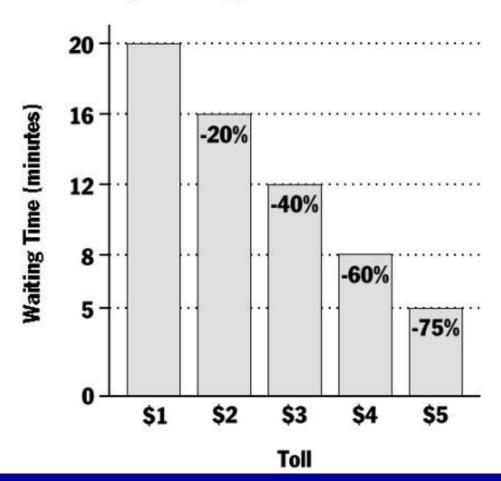
\$3 peak toll, morning and evening

Carpools remain toll-free

 \$23 million generated to fund transit, rideshare, bicycle improvements

"Lifeline" toll via electronic toll collection

## Reducing Congestion in the Bay Bridge Corridor



#### "SHOW ME THE MONEY"



#### **Proposed Mobility Alternatives**

The revenue to fund the proposed alternatives listed below is based on a one-time federal demonstration grant of \$23.5 million and an estimated \$22 million annually in new toll revenues.

One-Time Expenditure

\$9.8 million

Estimated Annual Funding Level

\$8.0 million

#### **Transbay Transit Services**

Additional BART service and increased complementary AC Transit transbay service

Additional ferry service to San Francisco from Vallejo, Alameda, Oakland, and Harbor Bay and new service from Berkeley \$3.9 million \$6.2 million

#### Access Improvements to Transbay Transit Services

Improved feeder service (buses or shuttles) from core areas of transbay commuters' home and work locations to transbay transit services:

- Oakland Hills/Piedmont, East Oakland/Coliseum, Alameda, Richmond, Hercules, Hayward, Fremont/Union City, Vallejo
- Hunter's Point/Bayview, Mission/Bernal Heights, Downtown, South of Market, Potrero Hill, Fisherman's Wharf/Embarcadero, Excelsior/Diamond Heights
- · Pleasant Hill, Concord, Lafayette, Orinda
- San Francisco International Airport, South San Francisco, San Bruno

#### Other Components \$9.8 million \$7.8 million

Total

No increase in the peak toll for low-income travelers who qualify for PG&E/Pacific Bell lifeline programs

Transit discounts for passengers who transfer between two systems

Increased security at stations, on vehicles or at bus stops for BART, AC Transit and SF Muni

Ridesharing, telecommuting and alternative work schedules assistance

Bike program (additional bike racks/lockers and enhanced bike shuttle service)

Increased accident-clearing tow service

Public information and education on congestion pricing and related mobility improvements

Required monitoring, evaluation and administration

\$23.5 million \$22.0 million

Source: MTC

## **Lifeline Toll Component**

 Eligible low-income drivers would remain at \$1

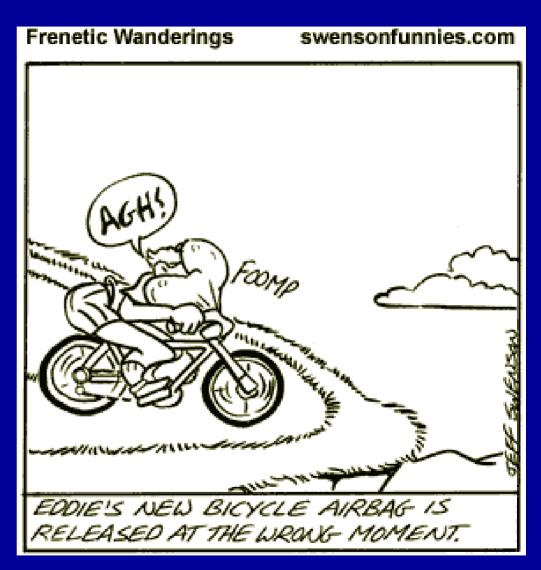
- Modeled after Pacific Gas & Electric's program
- 1,780 eligible households estimated out of 56,260 (3%)
- A \$3 peak toll = \$22.5 million annually



lifeline toll "cost" = \$1.5 million

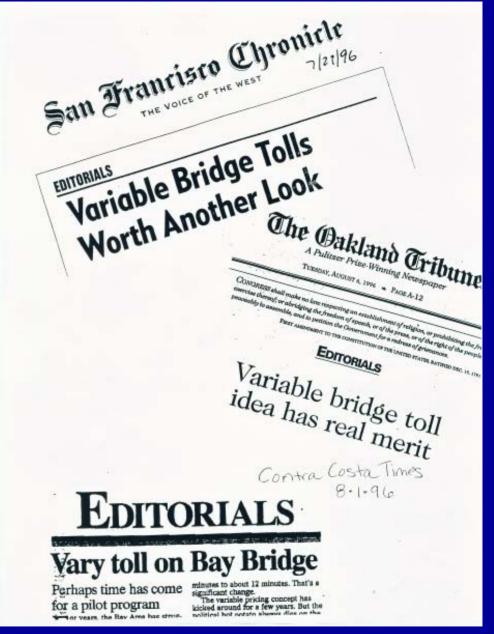
#### Timing, Timing, Timing

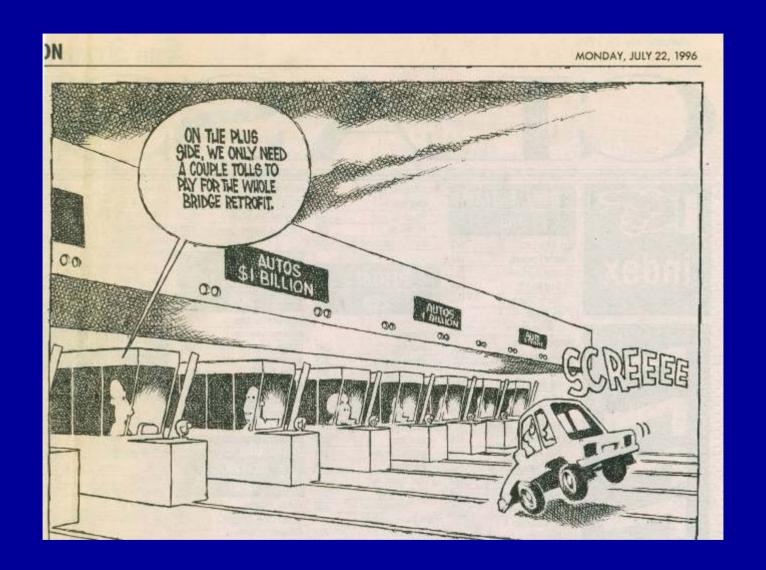
- November 1994 election, state and federal
- Revenue Neutrality pitched:
  - off-peak discounts
  - "shoppers special"
- From inception, recommended citizens oversight committee

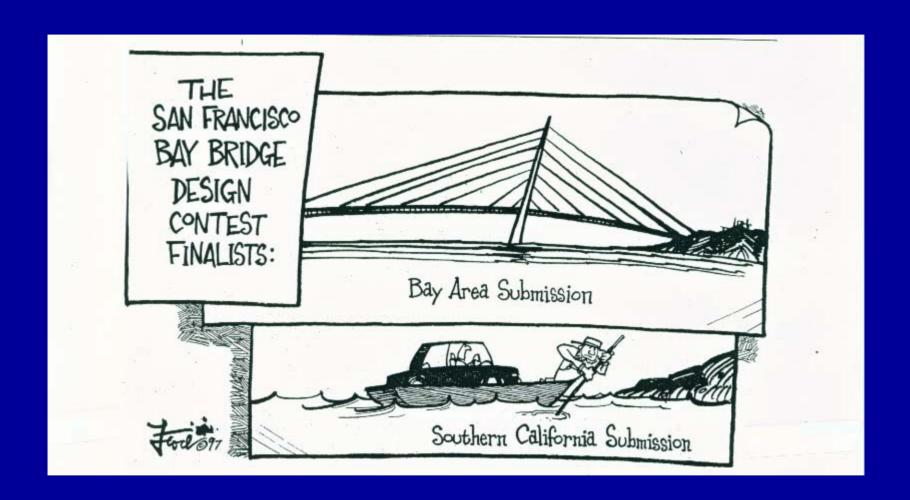


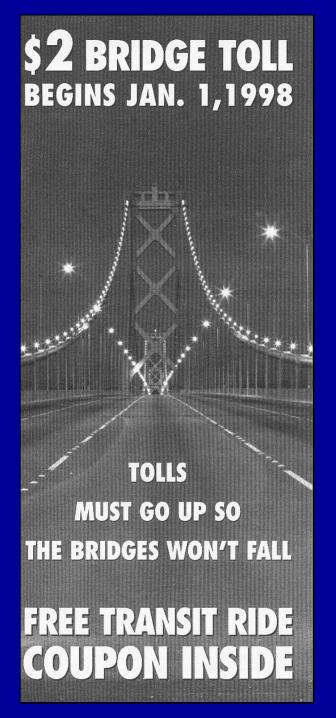


With a funding crisis, pricing viewed as a potential solution









Flat toll increase prevailed to fund new bridge

## **Existing and New Spans**





**Existing Bridge** 

New East Span (simulation)

## **Bay Bridge Lessons Learned**

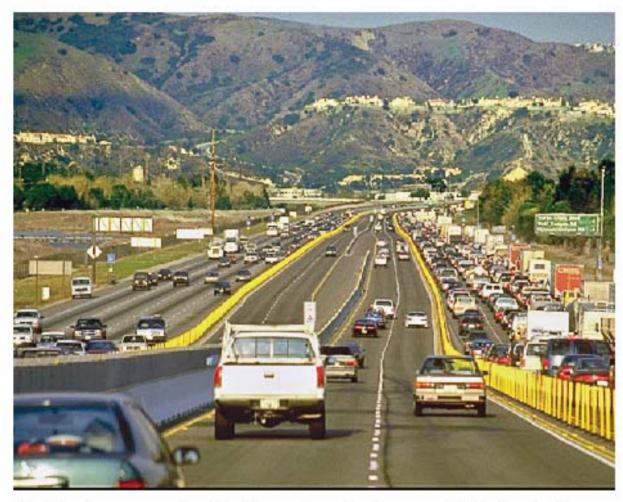
- Revenue Implications, federal pilot program
- Equity is multi-faceted—need visible projects to address
- Timing, timing, timing
- Partnerships / local champions
- Patience, Flexibility, & Perseverance (also, on-going monitoring & evaluation, transparency, accountability)

# Lessons are good... but from the bridge effort & others what can we do?

"the better news"

## Marketing & Project Positioning

- ✓ Public & media involvement early!
- √ Clear, visible benefits
- ✓ Provide choice (to pay or not pay toll?) or off peak discount?
- √ reliability
- ✓ easier to market new/expanded facilities (ex: new HOT lanes)



Plastic pylons separate priced lanes from free lanes on State Route 91

### Seeing is believing!





For a commercial of SR 91 in California, see <a href="http://www.91expresslanes.com/virtdrive.html">http://www.91expresslanes.com/virtdrive.html</a>

"...customers estimated shaving nearly 30 minutes off their morning and afternoon drives, even during rush hour.

That's enough time to catch a child's soccer game, stop at a grocery store before dinner or simply enjoy more time relaxing at home"

Orange County Transportation Authority

"HOT lanes really are a form of 'congestion insurance' for any traveler willing to pay the toll whether it is a businessperson late for a meeting or a parent racing to pick up a child at day care"

Metropolitan Transportation Commission

# Consider toll setting via a performance measure

- San Diego and in CA future HOT lanes:
  - Price varies to maintain a certain level of service
  - Shifts toll setting from public officials to drivers! (Shoup, 2005)

# Visible Benefits of New Revenues

Consider whether off-peak discounts and revenue neutrality needed

Where does the \$ go? New infrastructure, transit, other

Recent paper looks at not investing in transit/transp. necessarily (King & Shoup)

## Pilot Tests & Sunset Provisions

To find out "real world" impacts & if preconceptions about equity, other sticking points come to pass

Demo funding assistance?

Transparency, oversight & accountability

# When is pricing implemented on roads?

- benefits are clear & defined
- Clarity on use of funds
- local area perceives a <u>crisis</u> in terms of
  - congestion
  - Needing additional funds
  - Increasing use of an underutilized facility, such as an HOV lane
- diverse constituency in support; strong local champions (policy entrepreneurs)

## Is Pricing Worth the Price--

## Your thoughts?



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