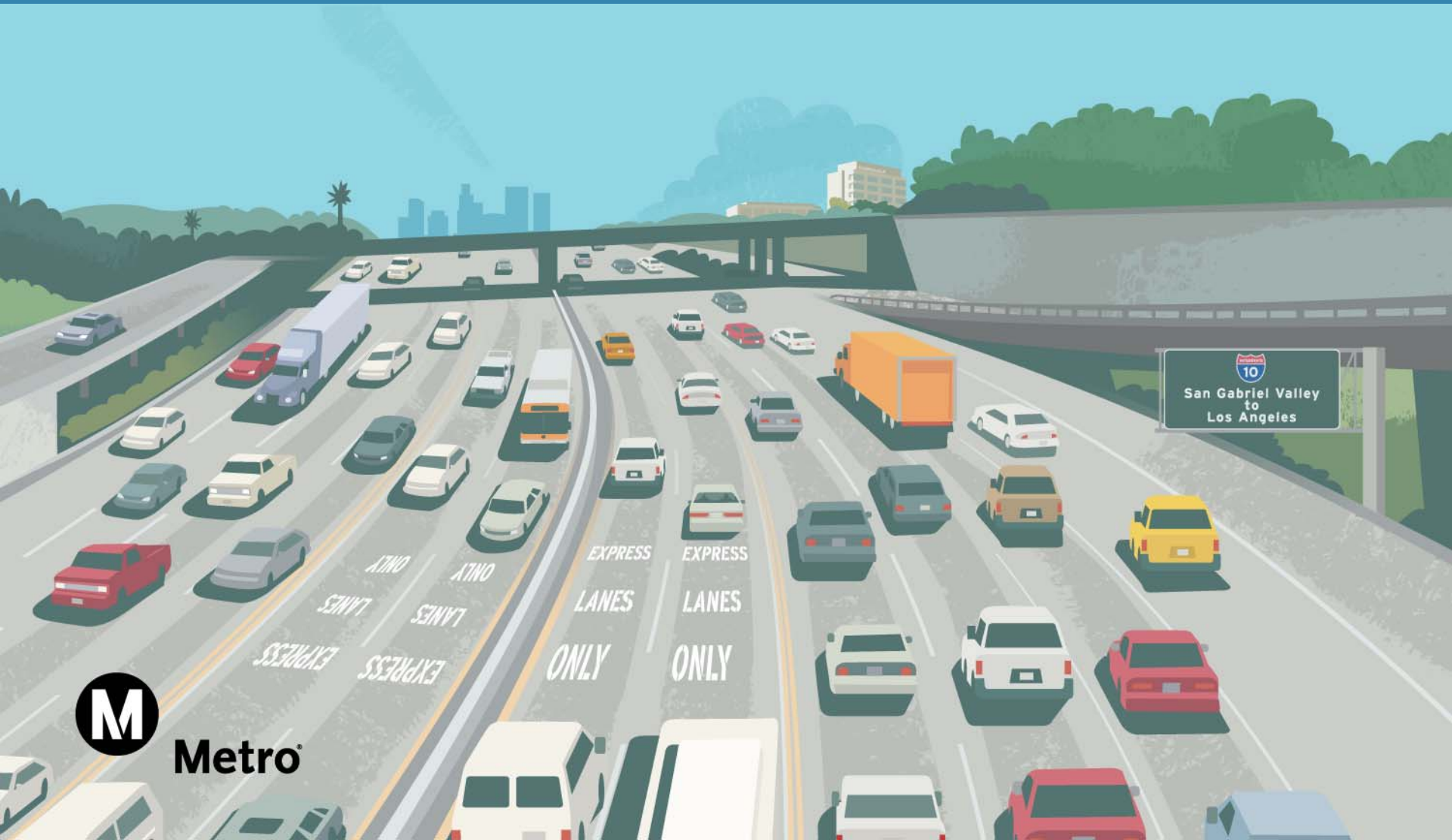


# ExpressLanes/HOT Lanes (I-10)

DEIR Project Overview

March 10 2010



Metro

# Project Goals

## Move More People, Not More Vehicles

- > Increase Throughput of HOT Lanes
- > Effectiveness (Mode Shift)
- > Efficiency (Cost of Project Relative to Benefits)
- > Equity (Address Impact on Low Income Commuters)
- > Educate Community (Extensive Community Outreach)
- > Execute as a 1-Year Demonstration Project

64 people who need to get to work, appointments do errands, etc...

Options

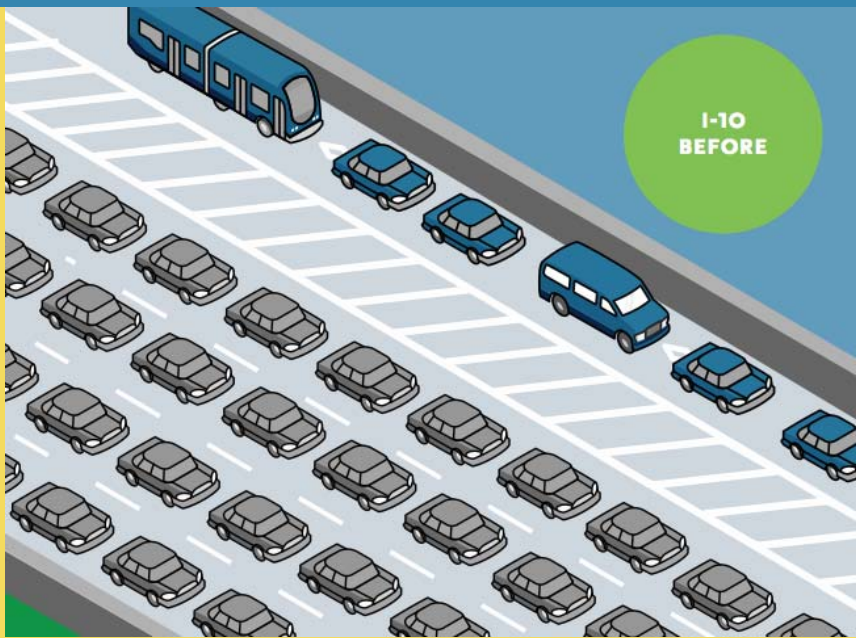


64 separate cars

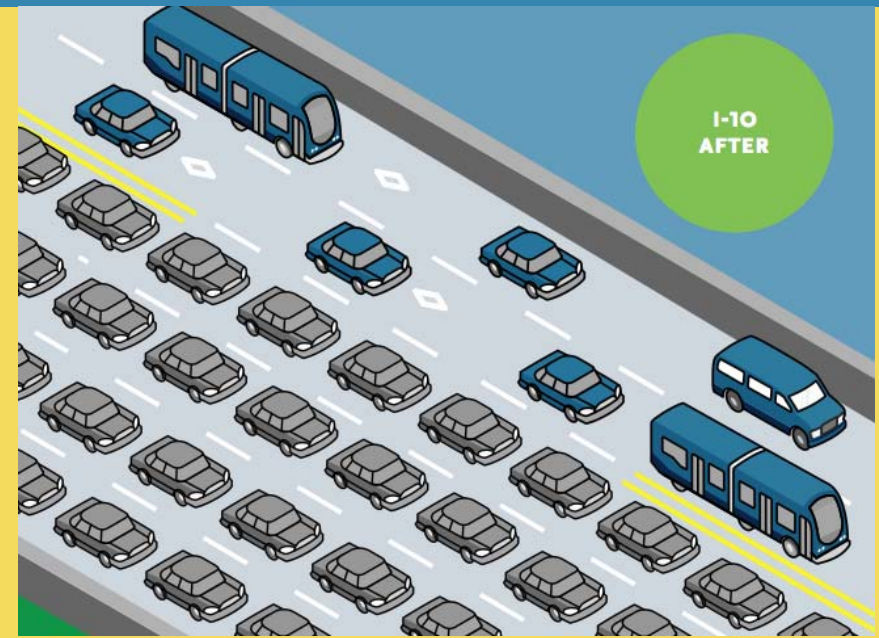


1 carpool, 1 vanpool, 1 coach

# I-10 El Monte Busway Improvements



Majority of westbound HOV traffic exits at I-710



Add one additional HOT lane in each direction between I-710 and I-605

Minor widening

Additional freeway signs & message signs

# Concept of Operations

ExpressLanes Demonstration	Business Rule
I-10 El Monte Busway Lanes Only	SOV Pay HOV-2 Pay: Peak Hours (5am–9am; 4pm–7pm) HOV-2 Free: Off-Peak Hours HOV 3+ Free All Hours

## All electronic “open road” tolling

- Dynamic, segmented pricing assembled by trip
- Dedicated Enforcement CHP Officers

 Dedicated Incident Response Tow Trucks

**Metro Access Points Same as Current HOV access**

- Transponders for all vehicles in ExpressLanes



# Toll Rates

- > Minimum Toll per Mile: \$0.25
- > Maximum Toll per Mile: \$1.40
- Avg Peak Toll (End to End) – I-10 is \$6
  
- > Toll Rates will vary within the range based upon demand.
- > **The Toll Rate is based on traffic levels in the ExpressLanes to ensure 45 mph.**
- > **Maximum toll represents a Price to Discourage More Entry rather than generate more revenue**

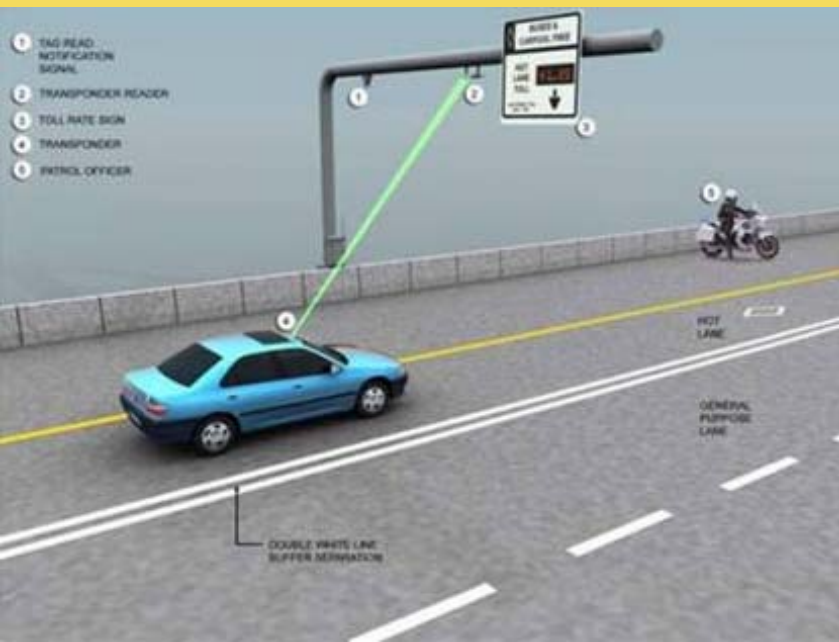


# Electronic Toll Collection



Photo courtesy of Washington State DOT

- > Used to Effectively Manage Lanes (Less Labor Intensive than Toll Booths) & Prevents Back-up Queuing on Freeway
- > Works w/All Existing Toll Facilities in CA
- > All Users Pay Toll via Pre-Paid Account
- > Need Automatic Ability to Identify Carpools/Vanpools



# Transponder Upgrade

- > Can Self-Declare Vehicle Occupancy
  - > SOV
  - > HOV 2
  - > HOV 3+



- > Allows Carpools/Vanpools to be Automatically Identified So They Don't Get Charged a Toll
- > Requires Pre-paid Balance to Off-set Charges When Not Carpooling/Vanpooling



# Administrative Account Fees

**PURPOSE:** Address Costs Incurred by MTA associated with Issuing a Transponder & Maintaining an Account

## 3 Types of Fees

- > Account Set-Up/Establishment – One Time Only
- > Account Replenishment – User Generated
- > Account Administrative Service – Per Occurrence

## Methodology

- > Fiscal Responsibility
- > Tailor to LA County
- > Comparison to Other HOT Lanes in California



**Metro**

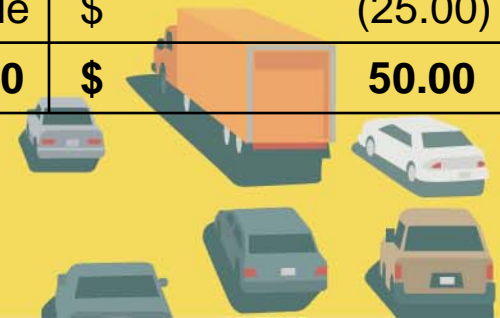


# Account Set-Up – One Time Only

Multiple Vehicles Can be Registered to a Transponder Account	Proposed Metro - Standard	Proposed Metro - Low Income Commuters
<b>Account Set-up/Establishment – Credit/Debit Card</b>		
Prepaid Toll Balance – Credit/Debit	\$ 40.00	\$ 40.00
Transponder Deposit – Credit/Debit	Waived	Waived
Low Income Toll Credit Discount	Not Available	\$ (25.00)
<b>Total Cost for Account Establishment</b>	<b>\$ 40.00</b>	<b>\$ 15.00</b>
<b>Account Establishment - Cash/Check</b>		
Prepaid Toll Balance - Cash/Check	\$ 50.00	\$ 50.00
Transponder Deposit - Cash/Check	\$ 25.00	\$ 25.00
Low Income Toll Credit Discount	Not Available	\$ (25.00)
<b>Total Cost for Account Establishment</b>	<b>\$ 75.00</b>	<b>\$ 50.00</b>



**Metro**



# Account Replenishment

<b>User Generated</b>	<b>Proposed Metro - Standard</b>	<b>Proposed Metro - Low Income Commuters</b>
<b>Account Replenishment – Credit/Debit Card</b>		
Minimum Balance - Threshold	\$ 10.00	\$ 10.00
Replenishment Amount	\$ 40.00	\$ 40.00
<b>Account Replenishment - Cash/Check</b>		
Minimum Balance – Threshold	\$ 25.00	\$ 25.00
Replenishment Amount	\$ 50.00	\$ 50.00



# Administrative Services

	Proposed Metro - Standard	Proposed Metro - Low Income Commuters
Non-User Fee per Transponder (monthly)*	\$ 3.00	Waived
<b>Per Occurrence</b>		
Transponder Replacement Fee	\$ 35.00	\$ 35.00
Defective/Malfunctioning Transponder	No Charge	No Charge
Credit/Debit Card Declined Fee	\$ 25.00	\$ 25.00
Returned Check Fee	\$ 25.00	\$ 25.00
Negative Balance Fee	\$ 25.00	\$ 25.00
Forced Account Closing Fee	\$ 25.00	\$ 25.00
Return Transponder in Good Condition	\$ (25.00)	\$ (25.00)



\* Fee is Waived if use ExpressLanes at least 4 trips per month whether SOV or carpooling.

# Low Income Commuter Assessment

Required by State Law

## Findings

- > Threshold - \$35,000 Annual HH Income
- > Consider Waiving Account Set-up Fees
- > Minimum Account Balances & Consequences of Going Below Them
- > Minimum Monthly Usage Charges for Low Activity Accounts
- > Distribution Network for Transponders
- > Performance Measures
- > Transit Riders Benefit Substantially from \$70 M Investment & Increased Transit Service



# Low Income Commuter Assessment

## Proposed Mitigation

- > \$25 Credit to Qualifying Low-Income HH for Account Set-up that can be applied to Transponder Deposit or Pre-Paid Toll Balance
- > Waive the Monthly \$3 Non-User Fee
- > Limit Eligibility to LA County Residents, 1 per HH Address
- > Offer Alternative Options for Unbanked Customers (Pre-paid Visa TAP Card)
- > 1<sup>st</sup> in the State to Offer Low Income Discount/Toll Credit



# Impact of Toll Credit/ Discount

A Driver Will Choose to Pay the Toll if it is Lower than His/Her Value of Time on that Occasion

- > Model Shows that w/o a Toll Credit/Discount, there would be No Situations where a Low Income Commuter Would Choose to Pay a Toll
- > With the \$25 Toll Credit/Discount, Low Income Drivers would be induced to Pay During Certain Times/Directions:
  - > I-10 WB Morning Peak (SOV & HOV2)
  - > I-10 WB Evening Peak (SOV & HOV2)
- > Waiving Monthly Non-User Fee Addresses Low Income Commuter Traditional Behavior of Low Activity on HOT Lanes



**Metro**

# Project Schedule

Description	2010	2011	2012
Environmental Document Approval	●		
Award Design-Build- Operate-Maintain Contract	●		
Begin Construction		●	
ExpressLanes Open			●
I-10 2 <sup>nd</sup> HOT Lane & I-110 Adams Blvd Improvements			●