

# **Ad-Hoc Congestion Pricing Committee**

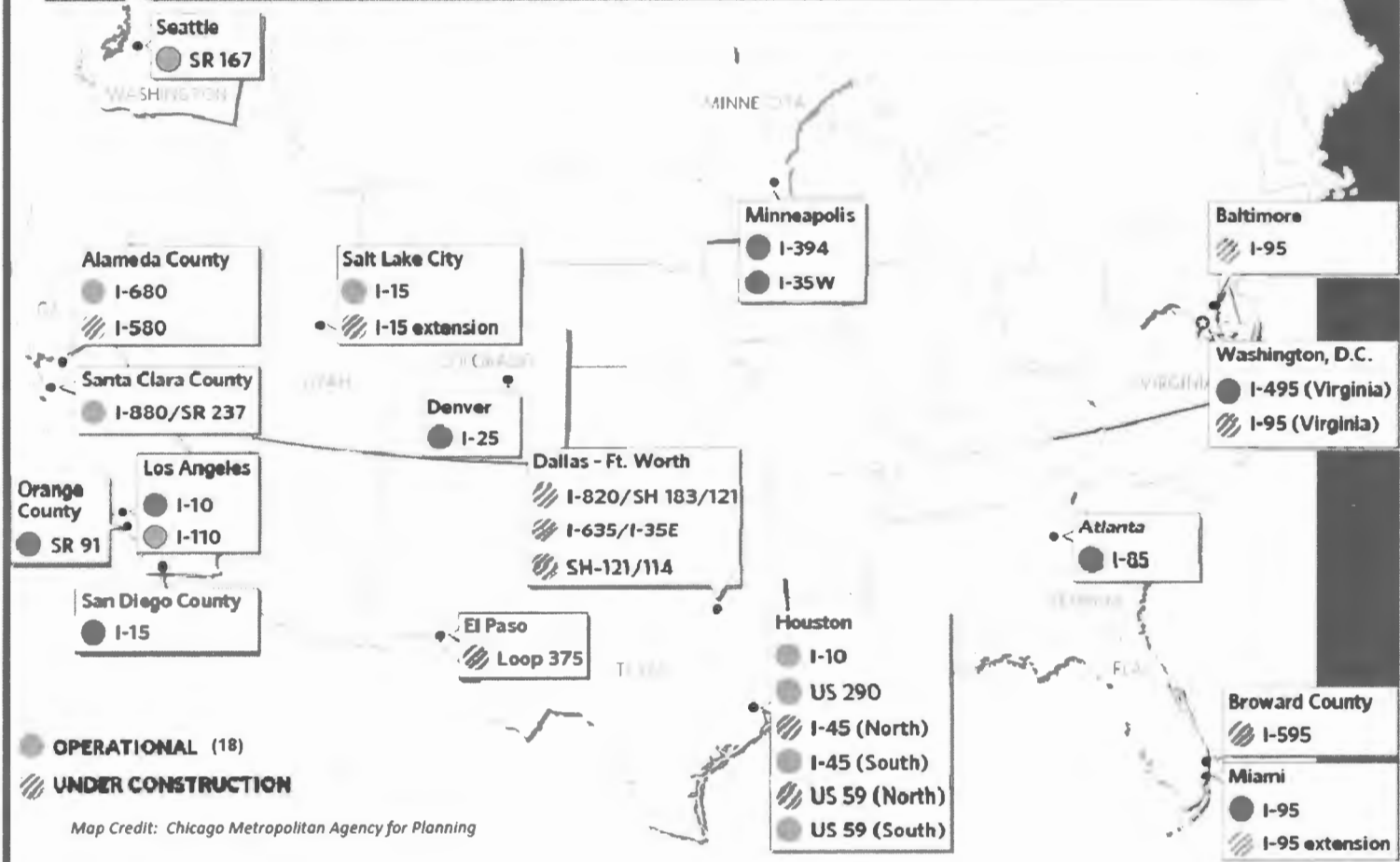
**April 17, 2013**



**Metro**

# ExpressLanes in the U.S.

Express Lanes Growing in the US (LA County is the 5<sup>th</sup> county in the State to deploy Express Lanes, representing a trend across the country.)



# I-110 Performance Summary (Nov. 10/12 – Feb. 28/13)

1

Travel speeds **above 45 mph 100% of the time** during peak period. This exceeds the FHWA requirement of above 45 mph 90% of the time during peak period. Northbound peak hour (7am-8am) travel speeds average 10 mph higher than before “opening” November 10, 2012.

2

**Average Work Week Trips have increased 23%** from 39,820 to 49,017. Current volume is now at 96% of the before “opening” volume of 50,000. Metro anticipates meeting the before “opening” volume by June 2013 (three months earlier than original forecasts).

3

**Transit on-time performance improves** for the Metro Silver Line BRT. 15 new vanpools have been formed by the Metro ExpressLanes.

4

Offering a Choice: **HOV2+ (toll-free) = 60% /SOV (toll-payer) = 40%**. Average toll during the Northbound AM peak period is \$5.25 for an 11 mile one-way trip. Average weekday toll for the same trip is \$3.44.

5

The number of **FasTrak® transponders issued is 105,431**. FasTrak deployment continues to grow by more than 15,000 transponders per month as more people become familiar with the features and benefits of the program. 83% of customers would recommend 110 ExpressLanes to friends and family.

6

**\$40 M Transit investment:** 47 new clean fuel buses, lighting & security improvements at the Harbor Transitway stations; new bus stops at Manchester & Slauson Stations, noise barrier at 37th St., and 16 new bike lockers.

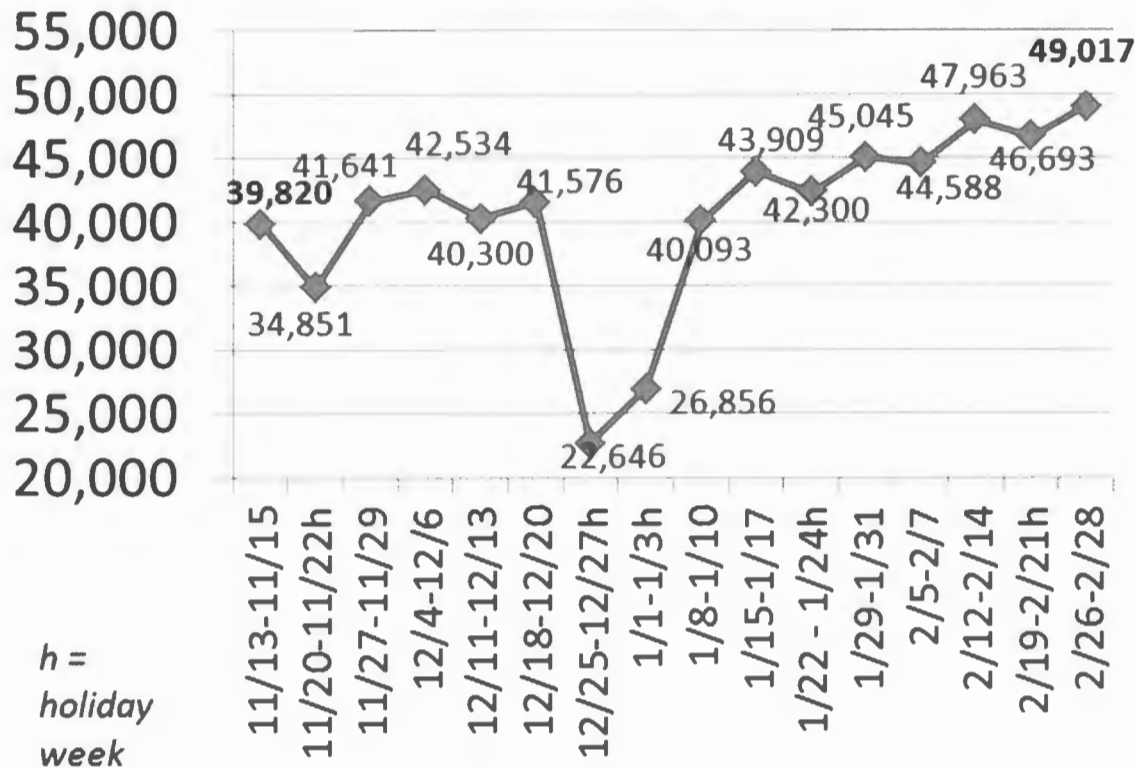
7

**Other operational improvements** include a widened Adams Blvd off-ramp and an added new lane on Adams Blvd that have reduced traffic delays. A new pedestrian bridge on Adams Blvd provides direct connection to the new Expo Line 23rd/Flower St Station.



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# Average Weekday Trips



- ‘Pre’ volume weekday average was 50,000 trips
- Steady increase in volumes since opening (holidays excluded)
- Current numbers as of last week: 56,401 (12% above “pre” volume)

# Traffic on Express Lanes – I-710

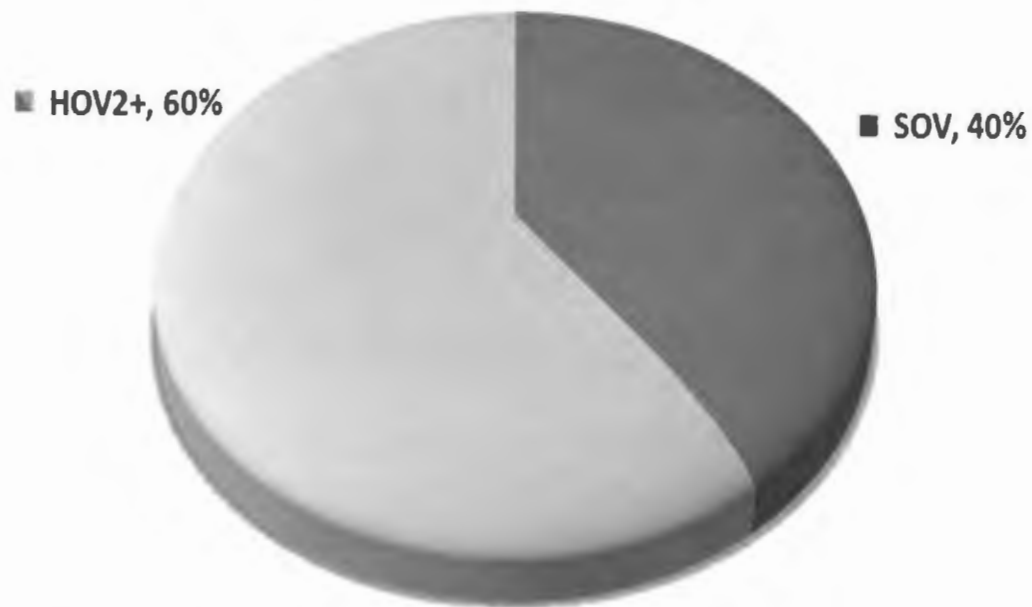


Photo taken 4/10/13 - AM Peak, NB at NT04: Slauson Ave to 39th St



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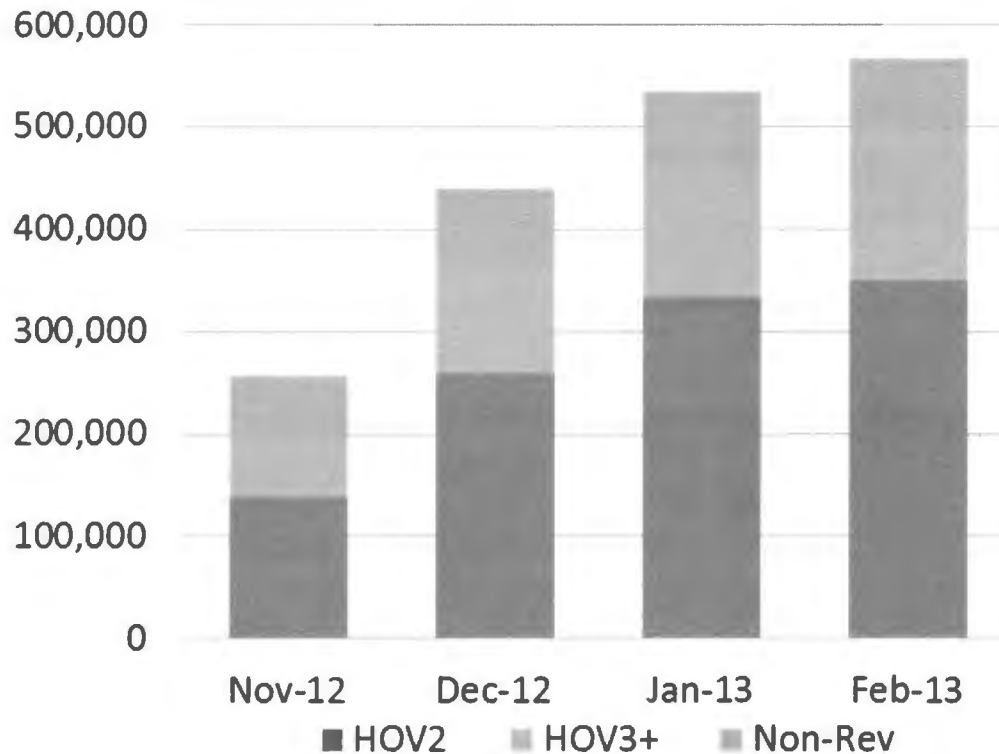
# Carpool and SOV Usage



- Majority of users are vehicles with 2 or more people
- These vehicles travel toll-free 24/7
- Includes carpools, vanpools, motorcycles, buses



# Toll Exempt Monthly Trips



- Numbers derived from switch setting on transponder
- HOV 2 and HOV 3+ denotes number of people in vehicle
- Non-Revenue trips include transit and registered emergency vehicles
- Carpool Loyalty Program – 120 gift cards

# Posted Tolls on I-110

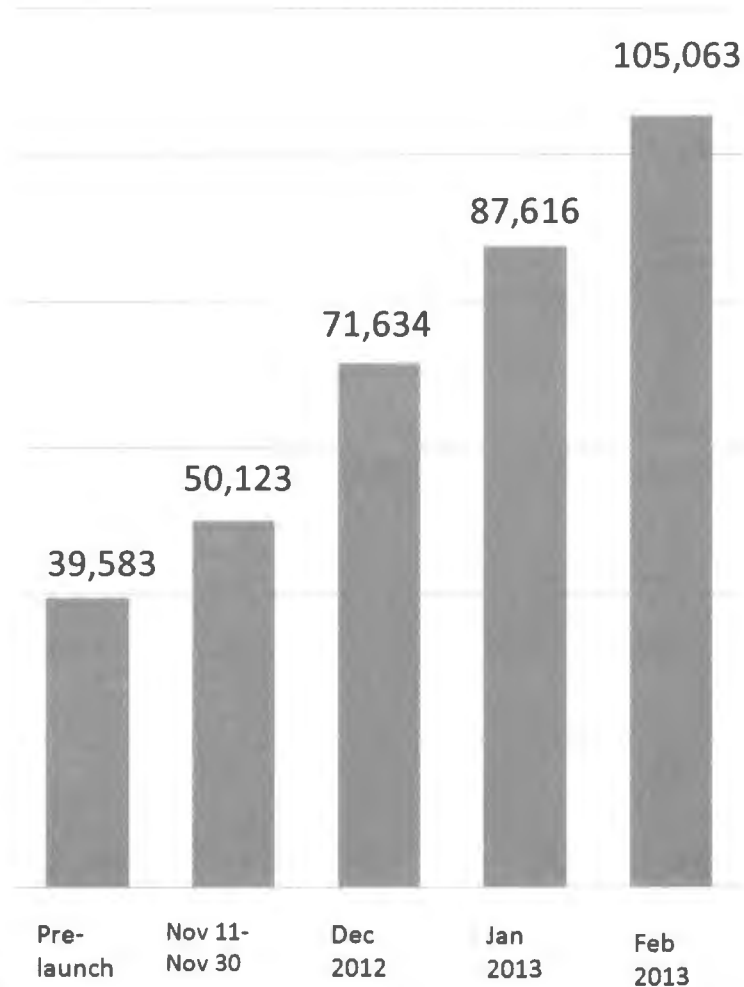
Period	Nov 2012	Dec 2012	Jan 2013	Feb 2013	
<b>Tolls below assume an 11 mile one-way trip</b>					
NB Avg AM Peak Toll	\$5.40	\$5.57	\$5.33	\$5.25	
NB Max AM Peak Toll	\$10.85	\$10.55	\$10.10	\$8.00	
NB Avg Weekday Toll	\$3.67	\$3.66	\$3.45	\$3.44	
SB Avg PM Peak Toll	\$4.65	\$4.79	\$4.59	\$4.73	
SB Max PM Peak Toll	\$8.10	\$7.50	\$7.05	\$7.45	
SB Avg Weekday Toll	\$3.38	\$3.41	\$3.37	\$3.33	
<b>Fiscal year 2013</b>					<b>Total</b>
Gross Toll Revenue (in 000s)	\$526	\$783	\$945	\$971	\$3,225

- O & M Costs November through February ~ \$2.9 million, excluding start up costs





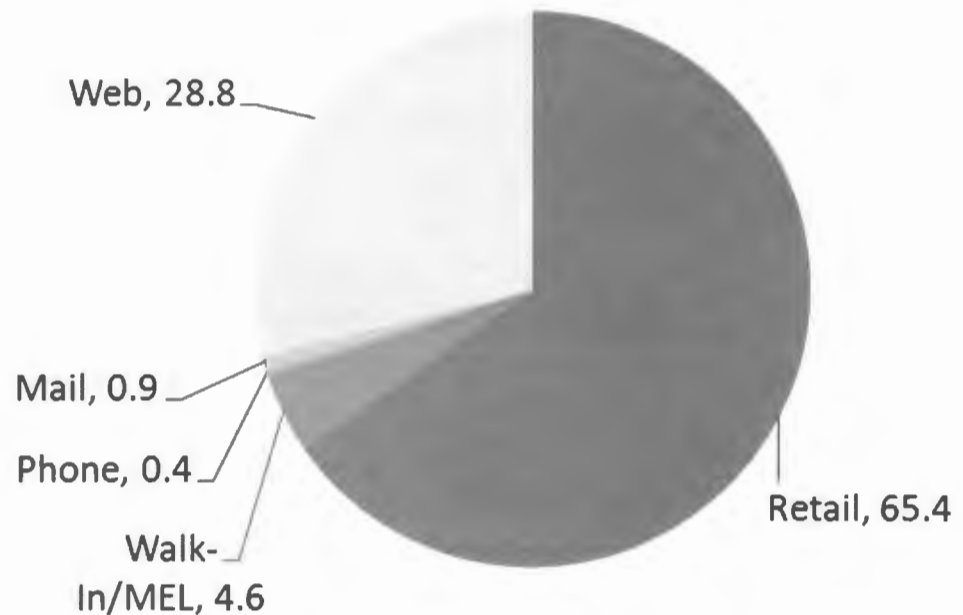
# Transponders Issued



- Transponder adoption has proven consistently strong
- Opening of the I-10 ExpressLanes contributed to the increase
- Current numbers as of April 15<sup>th</sup> are 144,150

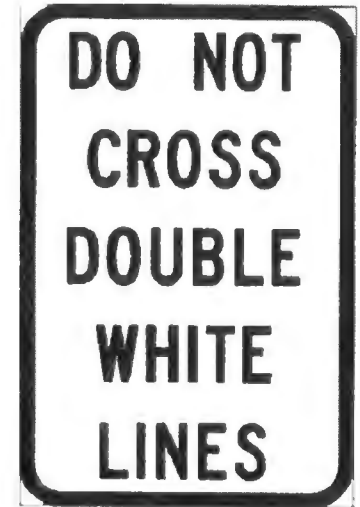
# Accounts Opened by Channel

- Transponders available through 6 different channels
- Retail – AAA Branches, Costco, Albertsons
- Equity Plan – 2,835 LA County residents enrolled (\$70,875 toll credits)



# Performance Improvements

- In response to customer feedback, 19 new signs installed in January 2013
- Upgraded system software in February to identify standard issue motorcycle plates so motorcycles don't need to open a FasTrak account
- Coming soon:
  - Text notification of account activity such as “low balance”, “account replenishment” and so forth
  - Mobile web (similar to mobile app)
  - E-newsletter



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# 10 ExpressLanes – Preliminary Data

Metro ExpressLanes

- > **Safety:** 0 accidents attributed to ExpressLane Operation
- > **Travel Speeds:** Above 45 mph 99% of the time
  - > I-10 WB AM Peak Period: average 65 mph
- > **Usage is Rising:** Avg work week trips have increased 57% from 17,156 to 27,861 (“pre” volume weekday average was 28,000 trips)
- > **Choice:** 50% SOV/HOV 2-Tolled Trips/50% HOV3+
  - > 24% of Tolled Trips during peak period are HOV2; remaining 69% of Tolled Trips are SOV



# Measures for Board Evaluation

Metro ExpressLanes

- > **Safety**
- > **Moving More People in the ExpressLanes during the peak period than before conversion: Person Throughput**
- > **Travel Time Savings: Avg vehicle speed in ExpressLanes & General Purpose Lanes**
- > **Equity Considerations: Improved transportation access for low income commuters – transit ridership, toll credit redemption**
- > **Sustainability: Financial sustainability and reduction in greenhouse gas emissions**



