Enforcement
Occupancy Count

- Field observation on Sept 7th
- Vehicle counts at Central Toll Zone – 8 to 9 am

- Total Vehicles in EL 1153
- Valid Toll Reads 379
- Observed Carpoools 639
- Estimated Violations 135
Challenges With Occupancy Detection

- Speed of Vehicles
- Tinted Windows
- Baby in backseat
- SUV/Vans/Third Row Seats
- Accuracy of Tag Reads
Evaluation of Readers

• 75 Vehicle Test Runs

• 95% accurate reads

• Reasons for Mis-Reads:
  – “Un-Framed” Tag Reads
  – Improper Mounting of Fastrak
  – Weak Fastrak Battery
Automated Enforcement Strategy

• Installation of camera system for license plate capture

• Observers in field determine occupancy for any vehicles without a valid toll read

• Violators matched to images of license plate
Evaluation of Occupancy Detection

- Options Evaluated
  - Single observer working independently – monitoring enforcement beacon, determining occupancy
  - Observers working in two person teams
  - Observers only counting SOVs
Evaluation of Occupancy Detection

• Next Steps

  • Move forward with system to capture all license plates when no tag is read

  • Link SOV counts to license plates for recapture of lost toll revenue
Next Steps

• Additional field surveys to determine areas with high buffer zone violations

• Coordinate with CHP for “high presence” enforcement day in late Sept

• Continued discussions with Caltrans and CHP regarding delineators and or rumble strips in buffer zone