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Colorado Department of Transportation

Quarterly Meeting
January 2007



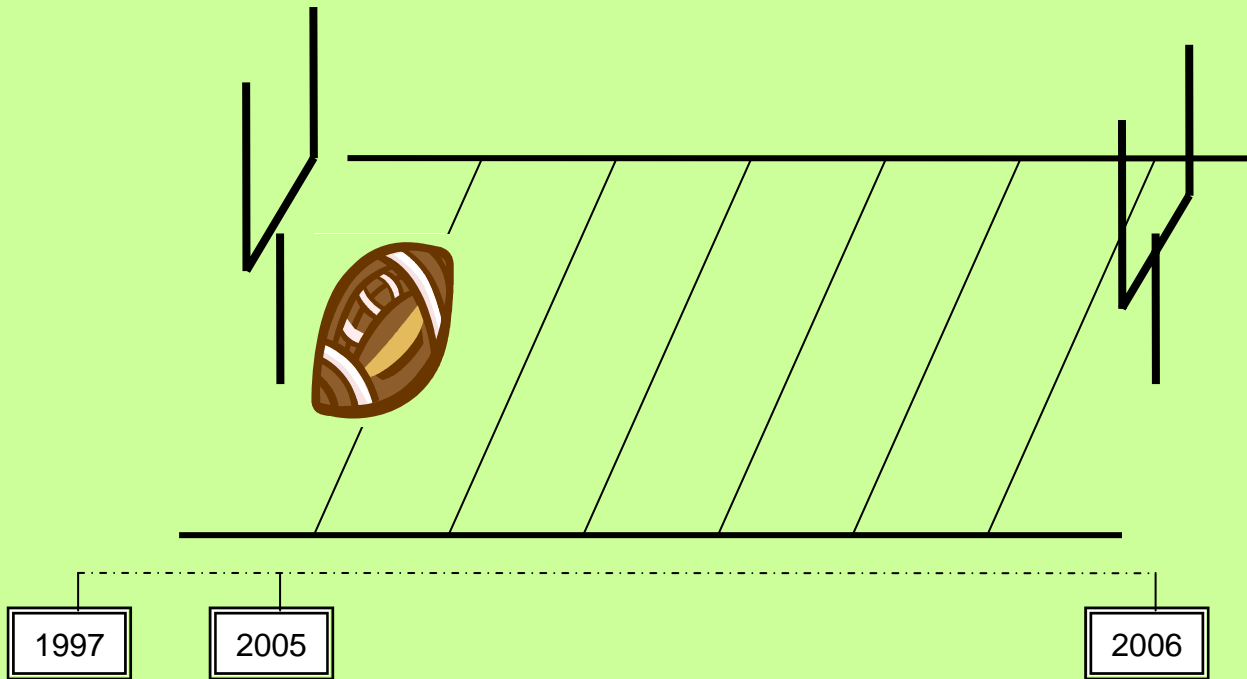
EXPRESS YOURSELF!

I-25



**EXPRESS
LANES**

TEAM FLORIDA
I-25HOV/*Express Lanes* Project
January 5, 2007



Putting Theory into Practice

Agreements

- Policy – RTD/FTA/FHWA
- Maintenance – RTD/Denver
- Enforcement – CSP
- Incident Management Plan
- E-470 back office operations / equipment

Unique Challenges

- Business Plan
 - Operating procedures
- Software design / development
 - E-470 tolling to accept HOV free and reversible flow
 - Connections to the systems and making them talk to each other
- Marketing
 - Developing educational newsletters, website, videos
- Electronics
 - Cameras, toll equipment

Unique Challenges (cont.)

- Coordination with other agencies
 - IGA's for Policies,
- Maintenance, and equipment
 - Incident Management Plan
- Biggest challenge was keeping on schedule with all of the details and coordination

Traffic and Congestion will be Managed

- Prices for toll lanes will change based on time of the day. The varying toll rate manages traffic such that the HOV/ *Express Lanes* never become congested.
- Performance monitoring
- Hierarchy of Users
- *Pilot project will be evaluated, adjusted and improved as needed to ensure convenient, efficient and easy use of lanes*

Initial Toll Rate Schedule*

AM		PM	
5:00 – 6:00	\$0.50	Noon- 3:00	\$0.50
6:00 – 6:45	\$1.75	3:00 – 3:30	\$1.50
6:45 – 7:15	\$2.75	3:30 – 4:30	\$2.00
7:15 – 8:15	\$3.25	4:30 – 6:00	\$3.25
8:15 – 8:45	\$2.75	6:00 – 7:00	\$1.50
8:45 – 10:00	\$1.25	7:00 – 3:00a	\$0.50

*Schedule may change to maximize congestion-reducing power of lanes. Commercial vehicles over three axles will be assessed an \$18 fee in addition to base toll rate.

Enforcement and Violations

- Visual on-site inspection with law enforcement will determine vehicle occupancy
- If any vehicle without a transponder passes through the *Express Lane*, a license plate photo will be taken and a citation will be sent by mail
- Toll evasion violation is \$70
- Fine for using the HOV lane with only one occupant in a vehicle is \$65 for the first and second offense and \$125 thereafter

I-25 HOT Lanes Conceptual Drawing



Police Enforcement Area
for HOT Violators
(near 58th Ave)

Electronic
Toll Reader



TOLL
LANE
ONLY

HOV 2+
ONLY

15' Enforcement Area

HOV2+ users' Lane

Toll Users' Lane

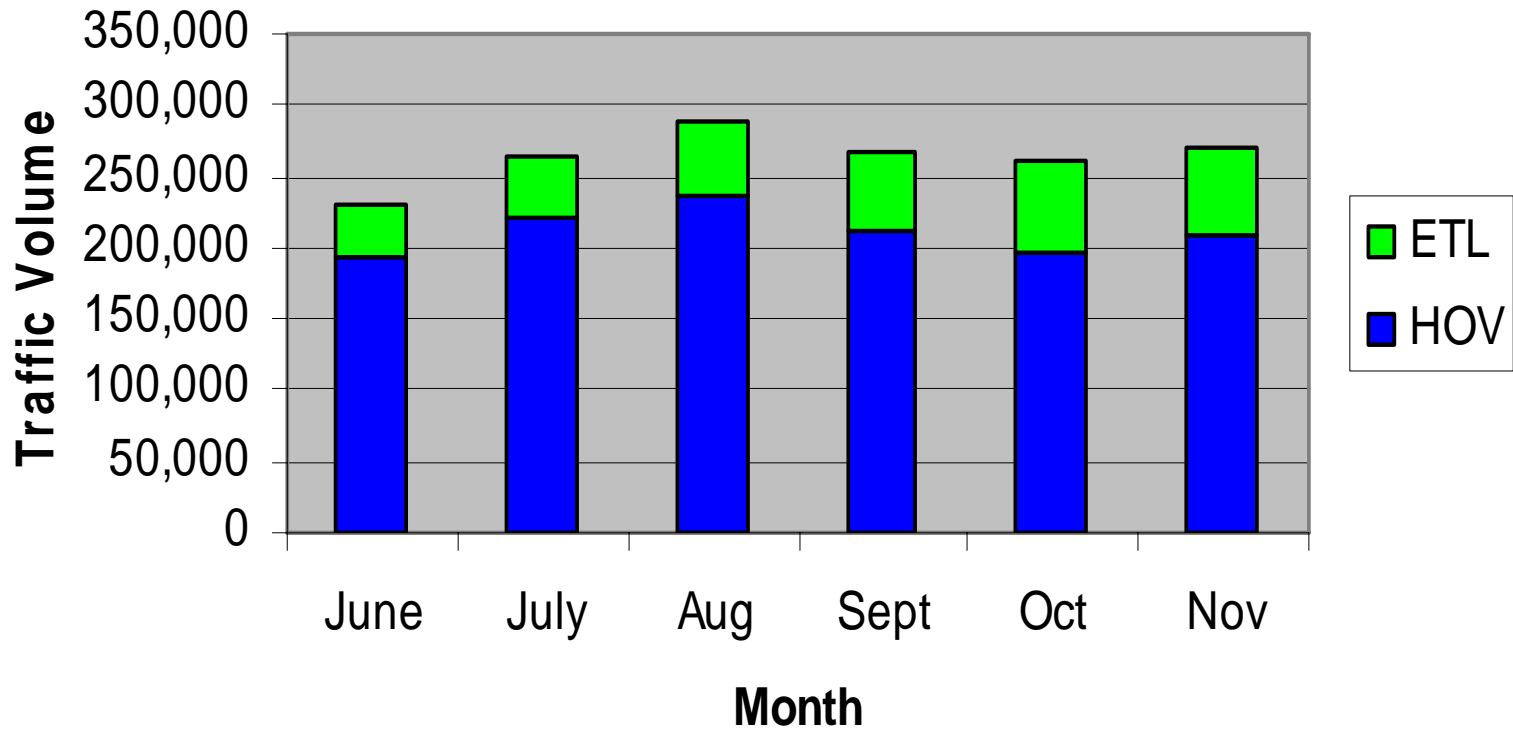
10' Shoulder

Shoulder

General Purpose
Lanes

Shoulder

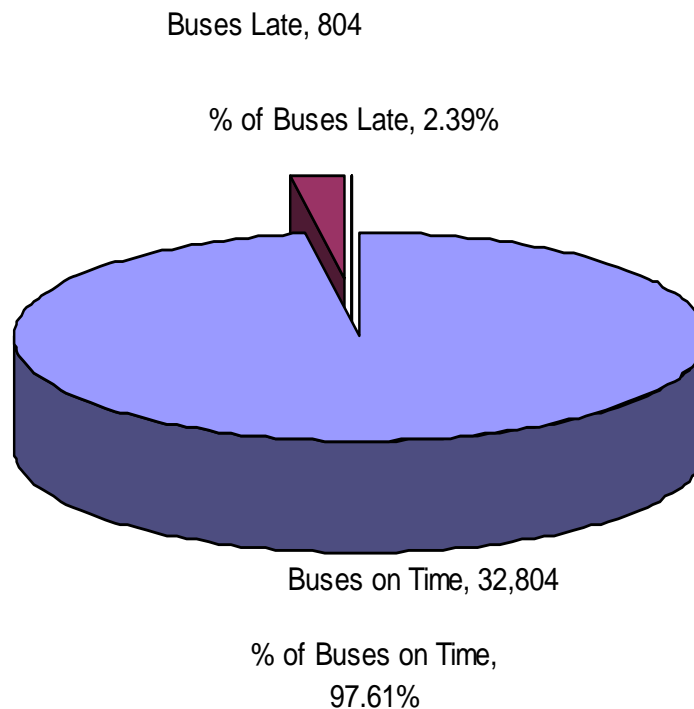
2006 Monthly Traffic Volumes



TOLL LANE ONLY
HOV 2+ ONLY

Bus Performance

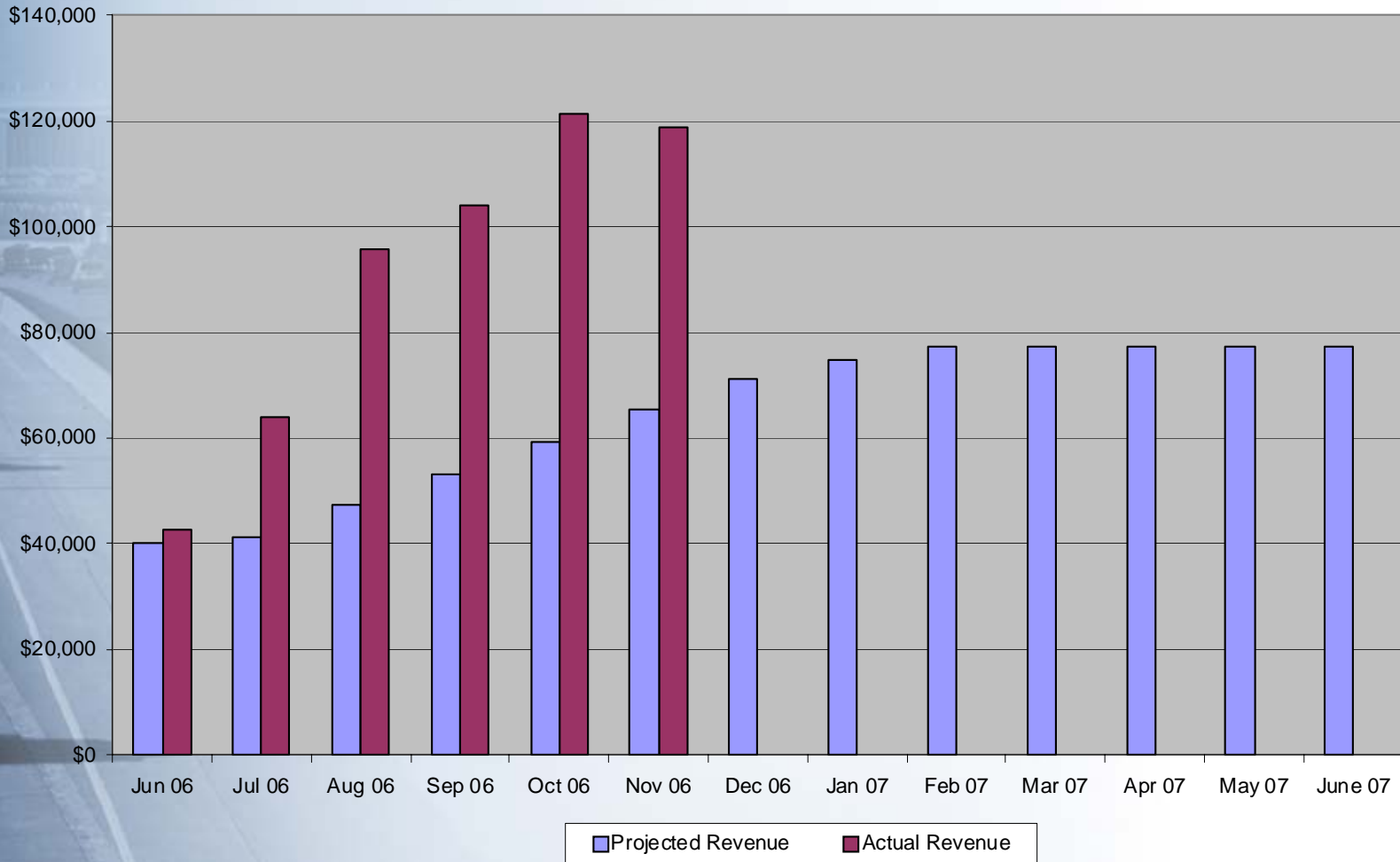
Average Weekday Bus Performance June through November



Toll Revenue

- Goal is to break even
- Operations, maintenance and enforcement
 - Includes snow removal, law enforcement, day-to-day operations, and eventual reconstruction
- Toll revenue will now cover the maintenance costs previously funded by RTD

Toll Revenue



TOLL LANE ONLY
HOV 2+ ONLY