

**I-25 Express Lanes**  
**Monthly Progress Report**  
**October, 2006**



## TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
1.0 VEHICLE USAGE BY TIME	1
2.0 BUS AND HOV TRAVEL TIMES	3
3.0 REVENUES	4
4.0 INCIDENTS	4
5.0 ENFORCEMENT	4
6.0 OPERATIONAL ISSUES	5
7.0 ADDITIONAL INFORMATION	5

### TABLES

OCTOBER 2006 TRAFFIC DATA SUMMARY	1
COLORADO STATE PATROL MANUAL CITATIONS	4
PEAK PERIOD TRAFFIC DATA (AM – INBOUND)	6
PEAK PERIOD TRAFFIC DATA (PM – OUTBOUND)	7

### FIGURES

OCTOBER 2006 PEAK PERIOD TRAFFIC (AM INBOUND)	2
OCTOBER 2006 PEAK PERIOD TRAFFIC (PM OUTBOUND)	2
OCTOBER 2006 BUS TRAVEL TIME PERFORMANCE	3
FIRST YEAR MONTHLY ESTIMATED REVENUE VS. ACTUAL	4
OCTOBER 2006 DAILY TRAFFIC VOLUMES	6

## INTRODUCTION

October use of the I-25 Express Lanes is similar to that in September. Total vehicular traffic in October was 260,611 compared to 268,214 in September. The peak daily usage for the month occurred in the middle of the month, on October 13, when 12,231 vehicles accessed the lanes. This compares to the peak day in September of 11,562. There were a greater number of toll users in October vs. September, (63,519 vs. 56,339) as apposed to HOV lane users where there were less, (211,875 vs. 197,092). Drivers are becoming more accustomed to using the correct lane.

Monthly information in this report includes:

- Vehicle Usage
- HOV vs. Express Toll Lane Vehicle counts
- Bus Travel times
- Revenues
- Incidents (that might impact operations or revenues)

### 1.0 VEHICLE USAGE BY TIME

The following is the October summary of traffic data (segregated by HOV Lane and Tolloed Express Lane). These include weekend and non-peak traffic.

October 2006 Traffic Data Summary			
	Express	HOV	Total
<b>Total Monthly Traffic</b>	63,519	197,092	260,611
<b>Maximum Daily Traffic</b>	3,548	9,414	12,231
<b>Average Weekday Traffic</b>	2,049	6,358	8,407
<b>Average Weekday AM Peak Traffic *</b>	1,290	2,691	3,981
<b>Average Weekday PM Peak Traffic **</b>	1,146	3,137	4,283

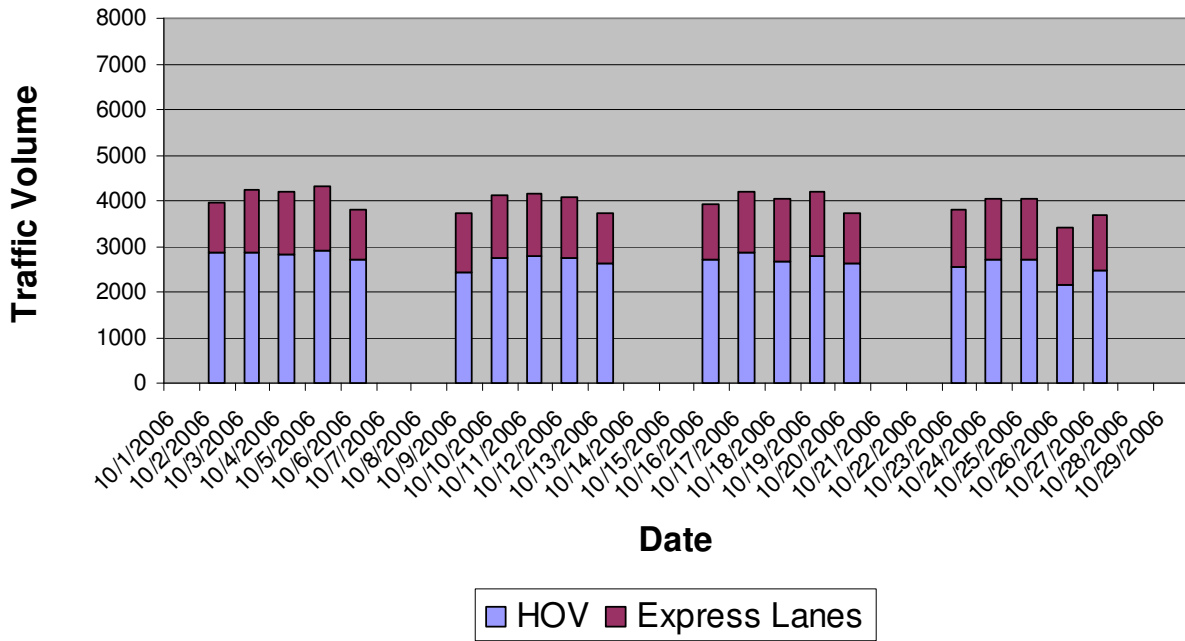
\* 6:00 AM – 10:00 AM

\*\* 3:00 PM – 7:00 PM

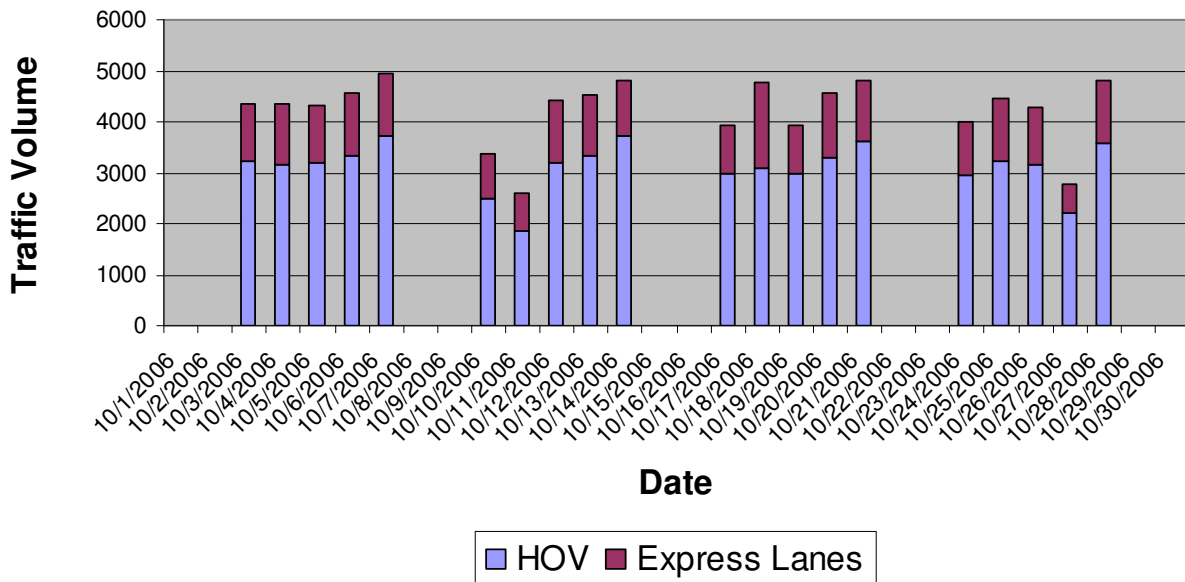
Violations rates have stabilized. Those in the morning (inbound) continue to be considerably less than in the afternoon (outbound).

Below is an illustration of Express Lane Vehicle Usage during the peak periods. These data are based on raw data (not reconciled, as noted above). The data are represented in tables in the Additional Information Section of this Report.

## October 2006 Peak Period Traffic (AM - Inbound)



## October 2006 Peak Period Traffic (PM - Outbound)



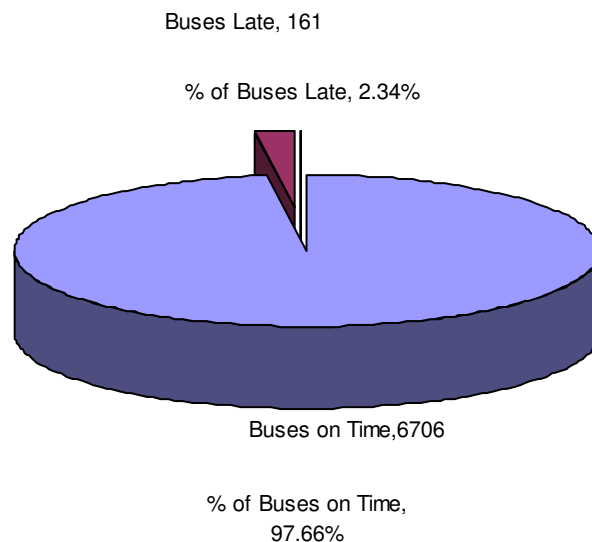
## 2.0 BUS AND HOV TRAVEL TIMES

The IGA between CDOT and RTD prescribes triggers to determine if there is any degradation to travel times for buses and carpools. These are:

- Exceeding travel time for more than one bus in an hour (provided the excess was not due to a stall, crash and closure of the lane or special event).
- Exceeding the travel time for more than one day per week for three weeks in a row.
- Predictable patterns.

There were 161 buses that did not meet their target travel times. It is estimated that all but four of these were weather related and not operational. Traffic volumes were in the normal range so the delays are not assumed to be related to congestion. 109 of these bus delays occurred on October 18 during snow and ice conditions. Other weather days were October 5 and 6 where 35 buses experienced delays, and then again on October 26 when there were 13 buses delayed. RTD bus operations were contacted to verify performance and personnel there expressed no concerns.

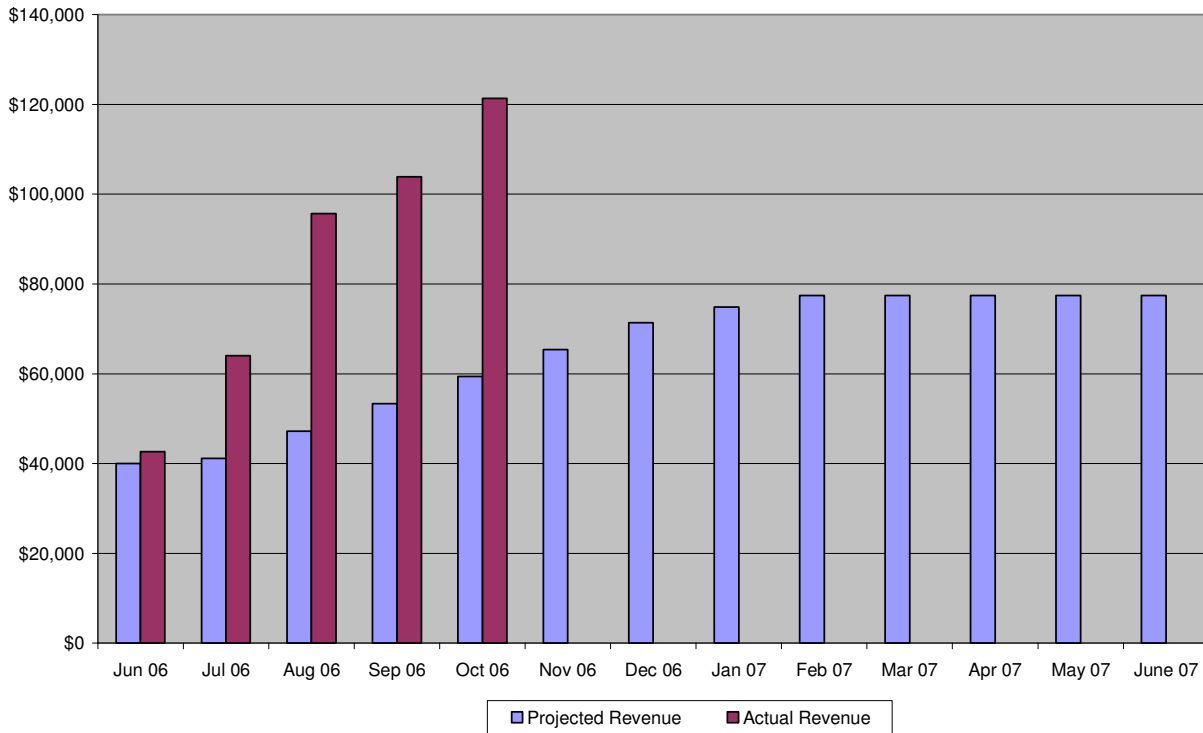
## OCTOBER 2006 BUS TRAVEL TIME PERFORMANCE



## 3.0 REVENUES

The annual fiscal year 2007 revenue projection was approximately \$800,000. This assumed approximately 60% of the average monthly projection would be achieved in the first month, (approximately \$40,000 for the months of June and July). This amount was assumed to “ramp up” over time. Revenues continue to far exceed projections. October revenues from tolls were \$121,330. The figure below shows the projected vs. actual revenue to date. Revenues do not include any monies that have been collected for citations (tolls, fees, and fines).

### First Year Monthly Estimated Toll Revenue vs. Actual



#### 4.0 INCIDENTS

There were no apparent traffic incidents that impeded the flow of traffic in the lanes. Refer to Section 6.0 describing operational issues that affected traffic and revenue in the lanes.

#### 5.0 ENFORCEMENT

Month	Total Stopped	Toll Citations	HOV Citations	Hazardous Citations	Seatbelt Citations	All Other Citations	Arrests
June	320	43	59	22	5	7	1
July	152	20	26	24	7	19	1
August	127	19	18	45	11	37	1 (DUI)
September	88	7	7	26	4	7	
October	42	5	8	15	4	73	

#### 6.0 OPERATIONAL ISSUES

There were several days in October when the lanes were closed for all or part of a day for maintenance. These were:

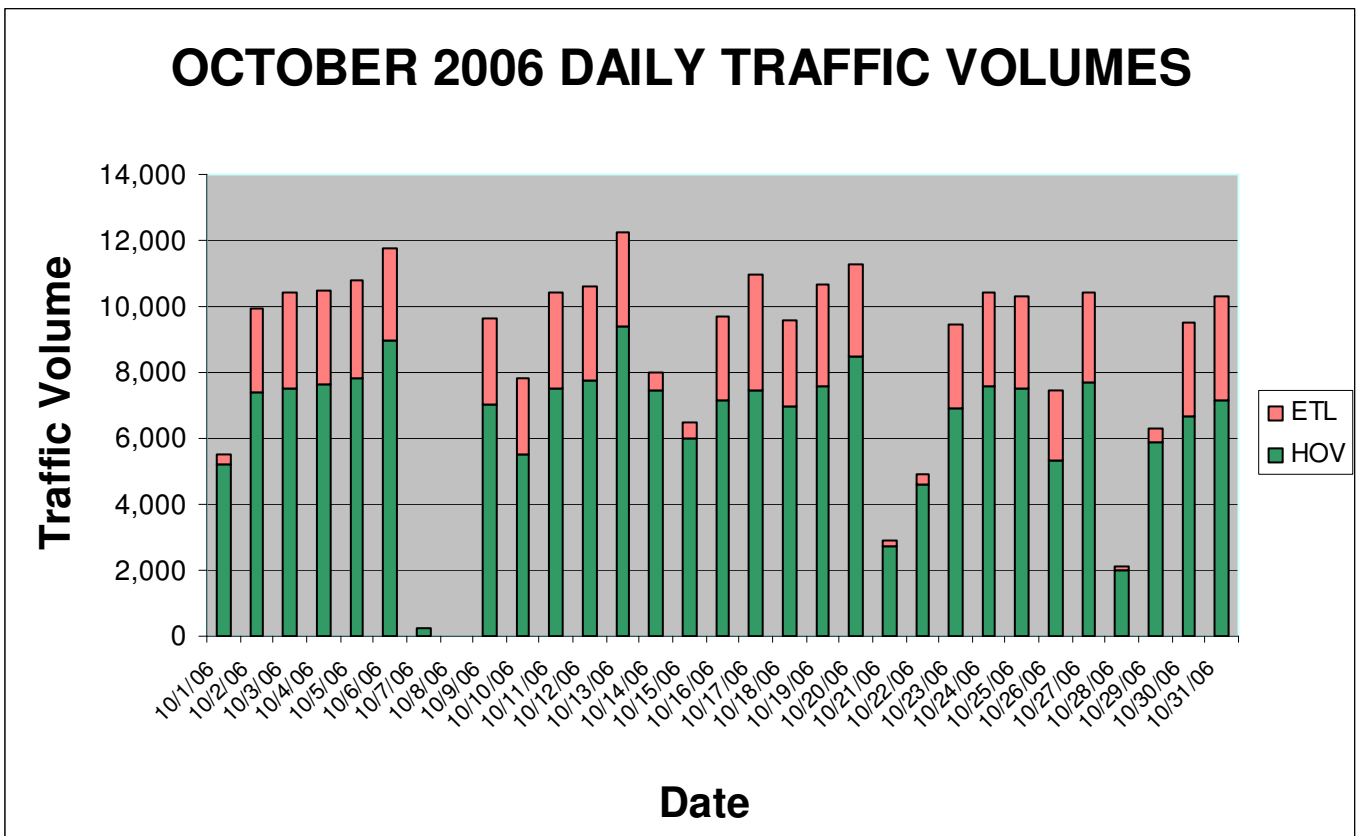
- October 7                      Closed for Maintenance
- October 8                      Closed for Maintenance

October 13	Late Opening due to system “crash”
October 24	Closed (partial day) for Maintenance
October 26	Late Opening due to gate replacement
October 28	Closed (partial day) for Maintenance
October 30	Closed early (7:00 PM) for Maintenance
October 31	Closed early (7:00 PM) for Maintenance

On October 21 there was a problem with the Automatic Vehicle Identification (AVI) readers for a period of time. As a result, toll transactions were not recorded and were reported initially as violations. These were reconciled in the routine fashion, by license plate verification.

## 7.0 ADDITIONAL INFORMATION

Total daily traffic volumes for October are shown on the following graph:



Peak Period data are included in the following tables:

Morning Peak Period							
		Total Peak Period			Avg Per Hour		
	Weekday	Express	HOV	Total	Express	HOV	Total
10/2/06	Monday	1,096	2,851	3,947	274	713	987
	Tuesday	1,395	2,858	4,253	349	715	1,063
	Wednesday	1,378	2,805	4,183	345	701	1,046
	Thursday	1,397	2,902	4,299	349	726	1,075
	Friday	1,107	2,708	3,815	277	677	954
10/9/06	Monday	1,305	2,434	3,739	326	609	935
	Tuesday	1,364	2,746	4,110	341	687	1,028
	Wednesday	1,381	2,785	4,166	345	696	1,042
	Thursday	1,299	2,761	4,060	325	690	1,015
	Friday	1,075	2,631	3,706	269	658	927
10/16/06	Monday	1,219	2,689	3,908	305	672	977
	Tuesday	1,361	2,849	4,210	340	712	1,053
	Wednesday	1,369	2,654	4,023	342	664	1,006
	Thursday	1,406	2,775	4,181	352	694	1,045
	Friday	1,128	2,611	3,739	282	653	935
10/23/06	Monday	1,268	2,552	3,820	317	638	955
	Tuesday	1,303	2,724	4,027	326	681	1,007
	Wednesday	1,349	2,701	4,050	337	675	1,013
	Thursday	1,264	2,155	3,419	316	539	855
	Friday	1,226	2,459	3,685	307	615	921
10/30/06	Monday	1,371	2,763	4,134	343	691	1,034
	Tuesday	1,320	2,785	4,105	330	696	1,026

Afternoon Peak Period							
		Total Peak Period			Avg Per Hour		
	Weekday	Express	HOV	Total	Express	HOV	Total
10/2/06	Monday	1,136	3,224	4,360	284	806	1,090
	Tuesday	1,176	3,163	4,339	294	791	1,085
	Wednesday	1,118	3,183	4,301	280	796	1,075
	Thursday	1,229	3,316	4,545	307	829	1,136
	Friday	1,247	3,717	4,964	312	929	1,241
10/9/06	Monday	883	2,502	3,385	221	626	846
	Tuesday	757	1,848	2,605	189	462	651
	Wednesday	1,248	3,185	4,433	312	796	1,108
	Thursday	1,207	3,328	4,535	302	832	1,134
	Friday	1,074	3,729	4,803	269	932	1,201
10/16/06	Monday	964	2,970	3,934	241	743	984
	Tuesday	1,664	3,095	4,759	416	774	1,190
	Wednesday	958	2,984	3,942	240	746	986
	Thursday	1,283	3,282	4,565	321	821	1,141
	Friday	1,190	3,608	4,798	298	902	1,200
10/23/06	Monday	1,037	2,964	4,001	259	741	1,000
	Tuesday	1,225	3,236	4,461	306	809	1,115
	Wednesday	1,118	3,157	4,275	280	789	1,069
	Thursday	581	2,201	2,782	145	550	696
	Friday	1,207	3,589	4,796	302	897	1,199
10/30/06	Monday	1,285	3,218	4,503	321	805	1,126
	Tuesday	1,635	3,514	5,149	409	879	1,287



