

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



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## INTRODUCTION

November use of the I-25 Express Lanes is stabilizing, with total volumes similar to September and October volumes. Total vehicular traffic in November was 270,845 compared to 260,611 in October. Weekly volumes were also fairly consistent, with the exception of Thanksgiving week where less volume could be expected. There were however, a greater number of both toll users and HOV users in November vs. October, (63,575 and 207,270 vs.63,519 and 197,092 respectively).

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 November summary of traffic data (segregated by HOV Lane and Tolloed Express Lane). These include weekend and non-peak traffic.

November 2006 Traffic Data Summary			
	Express	HOV	Total
<b>Total Monthly Traffic</b>	63,575	207,270	270,845
<b>Maximum Daily Traffic</b>	3,602	8,652	11,630
<b>Average Weekday Traffic</b>	2,753	7,448	10,201
<b>Avg Weekday AM Peak Hour</b>	287	612	899
<b>Avg Weekday PM Peak Hour</b>	287	756	1,043
<b>Avg Weekday AM Peak Period *</b>	1,187	2,460	3,647
<b>Avg Weekday PM Peak Period **</b>	1,169	2,888	4,057

\* 6:00 AM – 10:00 AM

\*\* 3:00 PM – 7:00 PM

Violations rates have stabilized. A decrease in violation rates in the PM Peak period is occurring, which suggests that there is less driver confusion about lane usage.

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.

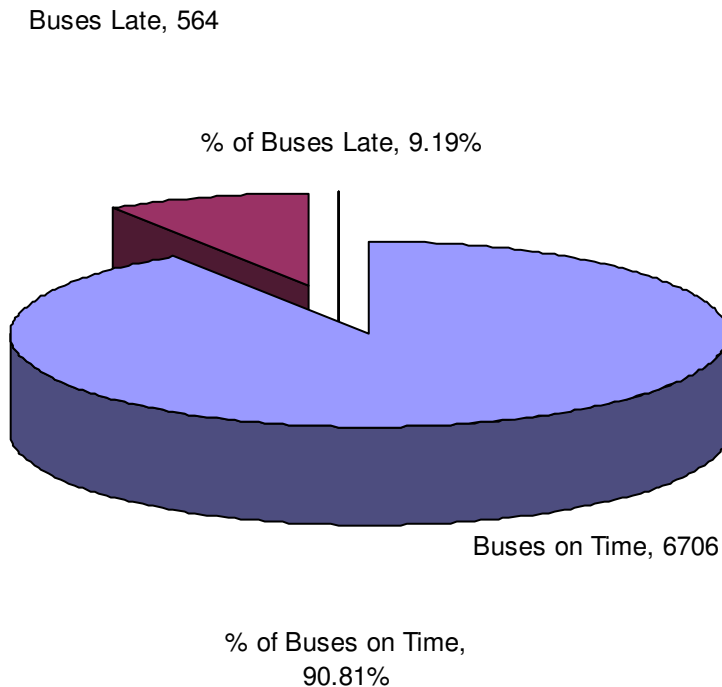
## 2.0 BUS AND HOV TRAVEL TIMES

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 564 buses that did not meet their target travel times, but these were limited to the snow days of Nov 28 and Nov 29. The longest delay was just over 5 minutes and traffic volumes were in the normal range so the delays are not assumed to be related to congestion. RTD bus operations were contacted to verify performance and personnel there expressed no concerns, even with the storm. Note that there were fewer buses overall due to holiday scheduling.

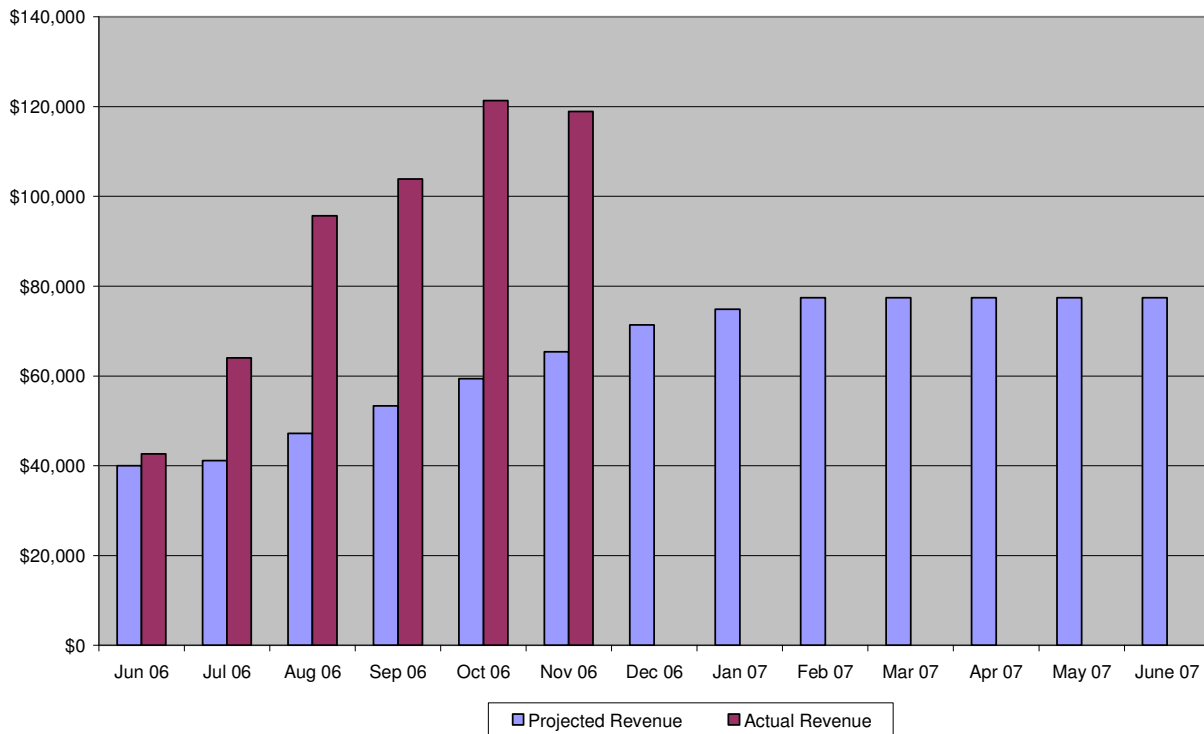
### NOVEMBER 2006 BUS TRAVEL TIME PERFORMANCE



### 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. November revenues from tolls were \$118,889 which is somewhat lower than the October revenues of \$121,330. Very little revenue was collected over the Thanksgiving four day period. 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

During the storm the backup for the 19th St ramp extended well onto the bridge and it would take two signal cycles to clear the intersection. One crash on the on NB I-25 general purpose lanes caused minor problems for the Express lanes as a truck hit the barrier and scattered debris into one lane. This did not cause any serious delay and this was cleared right away by the maintenance contractor.

## 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	
November	56	0	0	14	7	3	

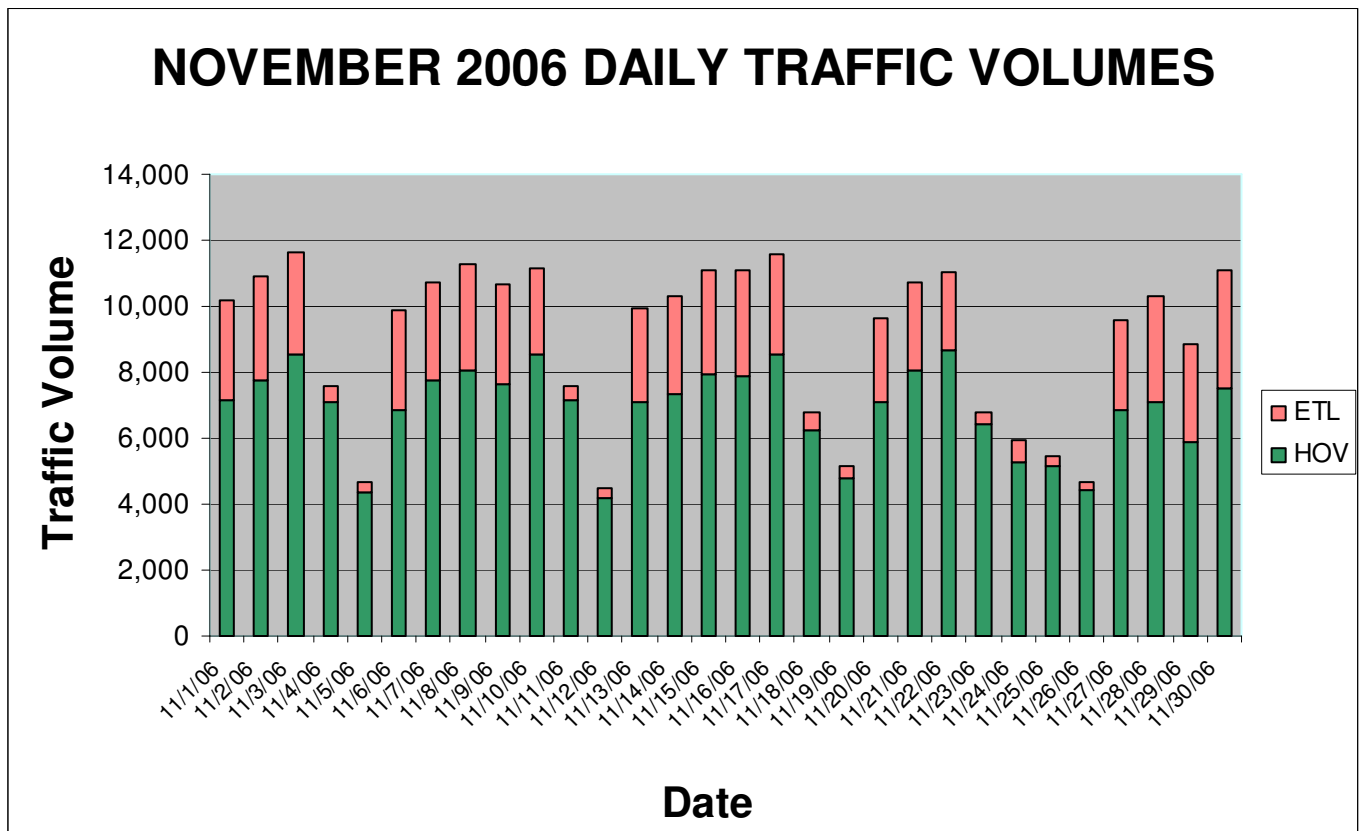
November was the first month that there were no toll evaders or HOV violators in the lanes. Colorado State Patrol reported that they had difficulties staffing the lanes from November 13 through November 17 so there was no officer presence.

## 6.0 OPERATIONAL ISSUES

During the snow days, heavy traffic was in the Express Lanes. Delays at the 19th St signal with backups well on to the bridge occurred primarily between 8:00 and 8:30 AM. However, traffic was still moving better than the mainline. A bus hit the gate at 16th St but did not interfere with operations. A truck hit the barrier at NB I25 but did not interfere with operations.

## 7.0 ADDITIONAL INFORMATION

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



November Peak Period data are included in the following tables:

Morning Rush Period							
		Total Peak Period			Avg Per Hour		
	Weekday	Express	HOV	Total	Express	HOV	Total
1st	Wednesday	1,426	2,659	4,085	357	665	1,021
	Thursday	1,303	2,699	4,002	326	675	1,001
	Friday	1,174	2,609	3,783	294	652	946
6th	Monday	1,389	2,697	4,086	347	674	1,022
	Tuesday	1,283	2,834	4,117	321	709	1,029
	Wednesday	1,336	2,851	4,187	334	713	1,047
	Thursday	1,417	2,802	4,219	354	701	1,055
	Friday	987	2,354	3,341	247	589	835
13th	Monday	1,378	2,642	4,020	345	661	1,005
	Tuesday	1,393	2,698	4,091	348	675	1,023
	Wednesday	1,416	2,878	4,294	354	720	1,074
	Thursday	1,469	2,874	4,343	367	719	1,086
	Friday	1,310	2,771	4,081	328	693	1,020
20th	Monday	1,182	2,622	3,804	296	656	951
	Tuesday	1,138	2,652	3,790	285	663	948
	Wednesday	872	2,395	3,267	218	599	817
	Thursday	8	181	189	2	45	47
	Friday	146	737	883	37	184	221
27th	Monday	1,212	2,555	3,767	303	639	942
	Tuesday	1,293	2,615	3,908	323	654	977
	Wednesday	1,395	2,260	3,655	349	565	914
30th	Thursday	1,577	2,742	4,319	394	686	1,080

Afternoon Rush Period							
		Total Peak Period			Avg Per Hour		
	Weekday	Express	HOV	Total	Express	HOV	Total
1st	Wednesday	1,426	2,659	4,085	333	785	1,117
	Thursday	1,303	2,699	4,002	368	854	1,222
	Friday	1,174	2,609	3,783	349	908	1,257
6th	Monday	1,389	2,697	4,086	340	764	1,104
	Tuesday	1,283	2,834	4,117	337	801	1,138
	Wednesday	1,336	2,851	4,187	334	713	1,047
	Thursday	1,417	2,802	4,219	354	701	1,055
	Friday	987	2,354	3,341	247	589	835
13th	Monday	1,184	3,051	4,235	296	763	1,059
	Tuesday	1,274	3,172	4,446	319	793	1,112
	Wednesday	1,403	3,293	4,696	351	823	1,174
	Thursday	1,329	3,404	4,733	332	851	1,183
	Friday	1,278	3,685	4,963	320	921	1,241
20th	Monday	1,100	3,146	4,246	275	787	1,062
	Tuesday	1,223	3,497	4,720	306	874	1,180
	Wednesday	809	3,226	4,035	202	807	1,009
	Thursday	94	1,666	1,760	24	417	440
	Friday	203	1,830	2,033	51	458	508
27th	Monday	1,236	3,038	4,274	309	760	1,069
	Tuesday	1,452	3,096	4,548	363	774	1,137
	Wednesday	1,241	2,624	3,865	310	656	966
30th	Thursday	1,576	3,300	4,876	394	825	1,219

