

# **I-25 HOV/Express Lanes**

## **Monthly Progress Report**

### **September 2007**



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## INTRODUCTION

During September 2007, recorded use of the I-25 HOV/Express Lanes (including both HOV and toll-paying vehicles) was 325,078: compared to 348,175 in August and 298,439 in July. Usage typically drops in months with holidays.

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

<b>September 2007 Traffic Data Summary</b>			
	<b>Express</b>	<b>HOV</b>	<b>Total</b>
<b>Total Monthly Traffic</b>	95,091	229,987	325,078
<b>Maximum Daily Traffic</b>	5,654	10,212	14,899
<b>Average Weekday Traffic</b>	4,485	12,797	12,797
<b>Avg Weekday AM Peak Hour</b>	561	730	1,291
<b>Avg Weekday PM Peak Hour</b>	409	822	1,231
<b>Avg Weekday AM Peak Period</b>	2,246	2,918	5,164
<b>Avg Weekday PM Peak Period</b>	1,635	3,289	4,925

\* 6:00 AM – 10:00 AM

\*\* 3:00 PM – 7:00 PM

Detailed data for daily and peak period traffic 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:

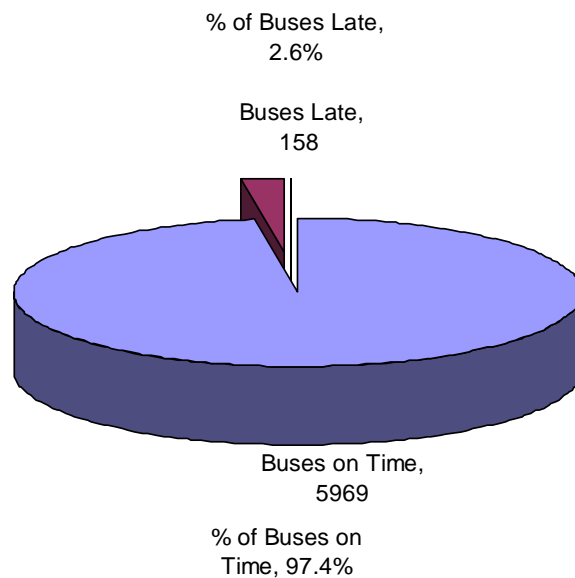
- Exceeding travel time for more than one bus in an hour (provided the excess was not due to a stall, crash and closure of the lane or special event).
- Exceeding the travel time for more than one day per week for three weeks in a row.
- Predictable patterns.

The following delays occurred during the month of September:

- First week, 82 delays between 7:50 and 8:10 on Wednesday
- Second week, 18 delays between 8:05 and 8:10 on Monday
- Third week, 32 delays between 7:57 and 8:08 on Thursday
- Fourth week, 26 delays between 7:53 and 8:07 on Wednesday

During the month of September, there were 158 delays of all vehicles with transponders (10 buses) during the morning rush period. The typical delay was less than 90 seconds or about one cycle of the signal at 19<sup>th</sup> St. RTD reported no major issues. The delays occurred on four different days (one day per week), each week. One consistent pattern observed was that all delays occurred between 7:50 and 8:10 a.m. Twice, the delays did not occur on the busiest day of the week. The backups seemed to occur based on traffic at the signal; the more conflicting traffic, especially pedestrian traffic, the greater potential for delay. However, when there was no conflicting traffic for two cycles of the signal at 19<sup>th</sup> St., the backup completely cleared out. The delay is random and the period between 7:45 and 8:15 will be monitored very closely.

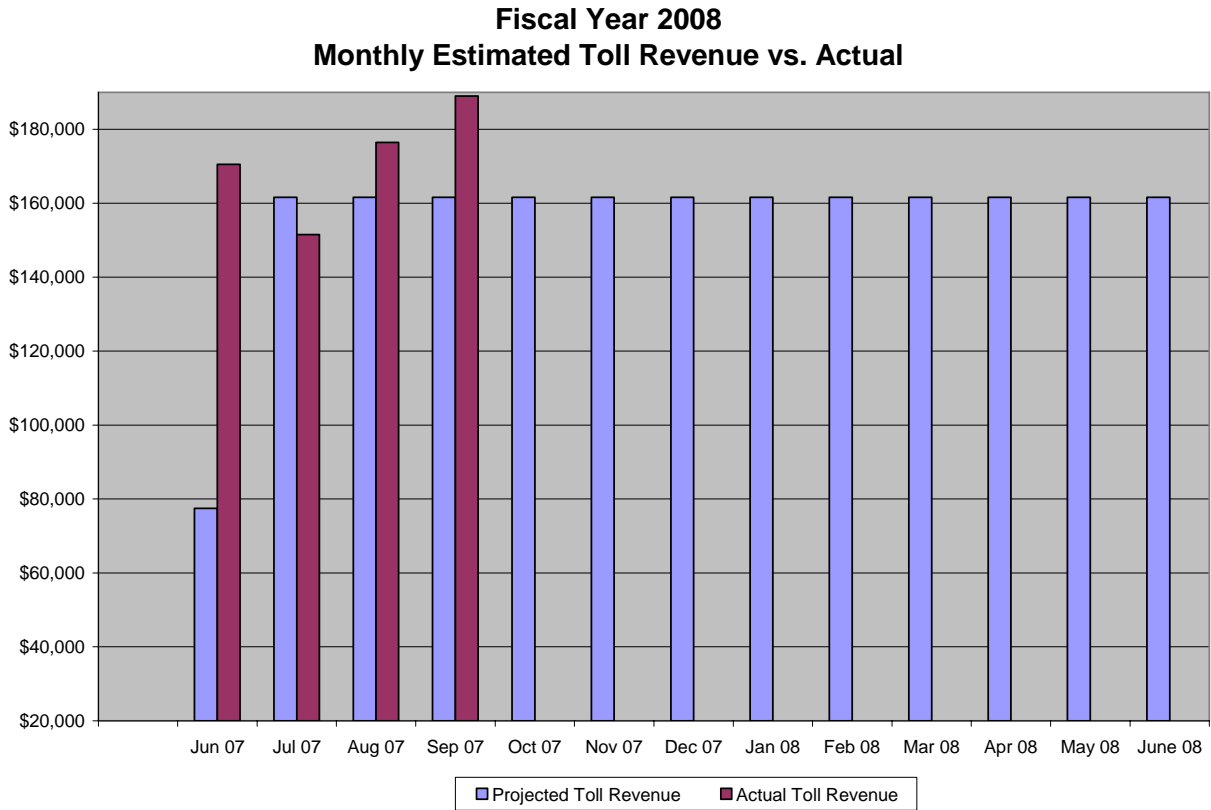
## SEPTEMBER 2007 BUS TRAVEL TIME PERFORMANCE



### 3.0 REVENUES

September 2007 revenues rose, with revenues from tolls totaling \$188,982.75. September 2007 fees and fines collected were \$33,779.67, representing 17.9% percent of total revenues. Total revenues, including tolls, fees, and fines were \$222,762.42.

The following figure shows the projected vs. actual toll revenue to date for Fiscal Year 2008.



### 4.0 INCIDENTS

There were no incidents that impacted traffic during the month.

## 5.0 ENFORCEMENT

Law enforcement activities for the month of September are shown in the table below.

<b>COLORADO STATE PATROL MANUAL CITATIONS</b>							
	<b>Total Stopped</b>	<b>Toll Citations</b>	<b>HOV Citations</b>	<b>Hazardous Citations</b>	<b>Seatbelt Citations</b>	<b>All Other Citations</b>	<b>Arrests</b>
<b>June</b>	320	43	59	22	5	7	1
<b>July</b>	152	20	26	24	7	19	1
<b>August</b>	127	19	18	45	11	37	1 (DUI)
<b>September</b>	88	7	7	26	4	7	
<b>October</b>	42	5	8	15	4	73	
<b>November</b>	56	0	0	14	7	3	
<b>December *</b>							
<b>January</b>	36	2	4	9	1	10	2 (misd)
<b>February</b>	78	13	15	34	8	24	
<b>March</b>	127	6	18	46	10	32	1
<b>April</b>	36	2	8	6	0	3	
<b>May</b>	98	11	14	36	17	37	2
<b>June *</b>							
<b>July</b>	41	5	5	31	7	12	31
<b>August</b>	81	6	10	47	8	19	1
<b>September</b>	84	6	9	16	8	15	

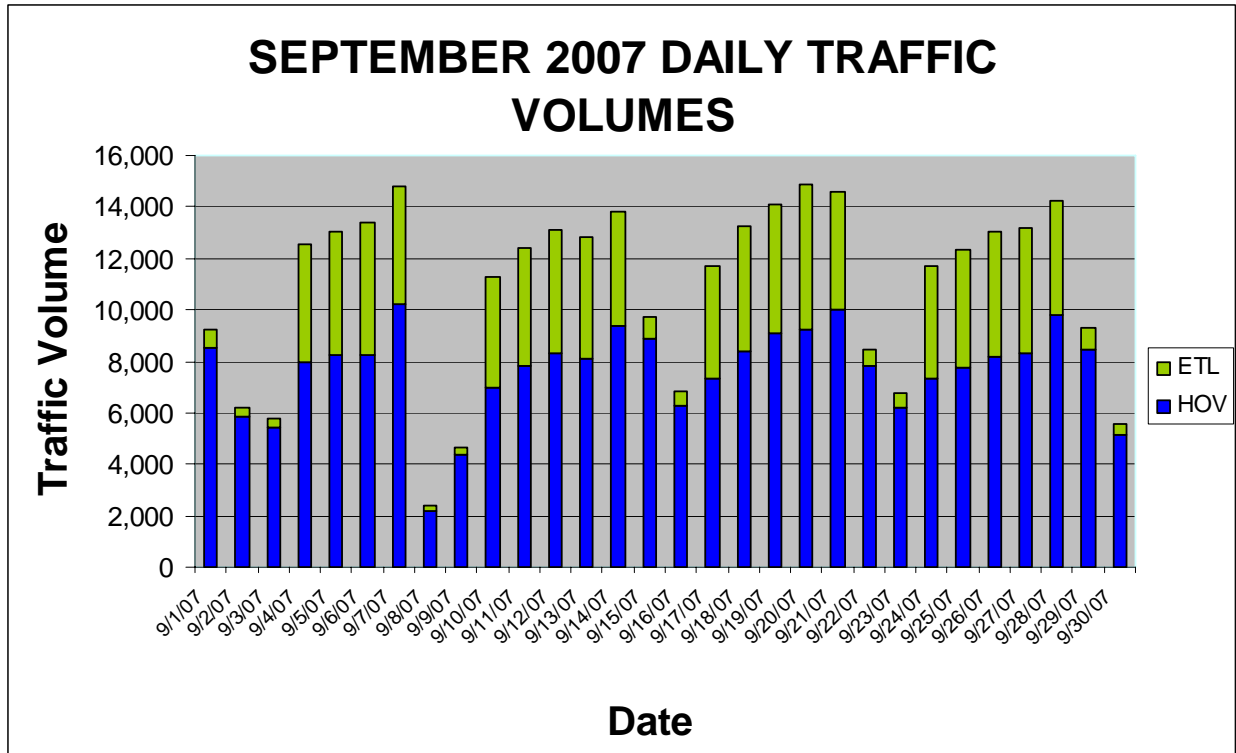
\* no enforcement

## 6.0 OPERATIONAL ISSUES

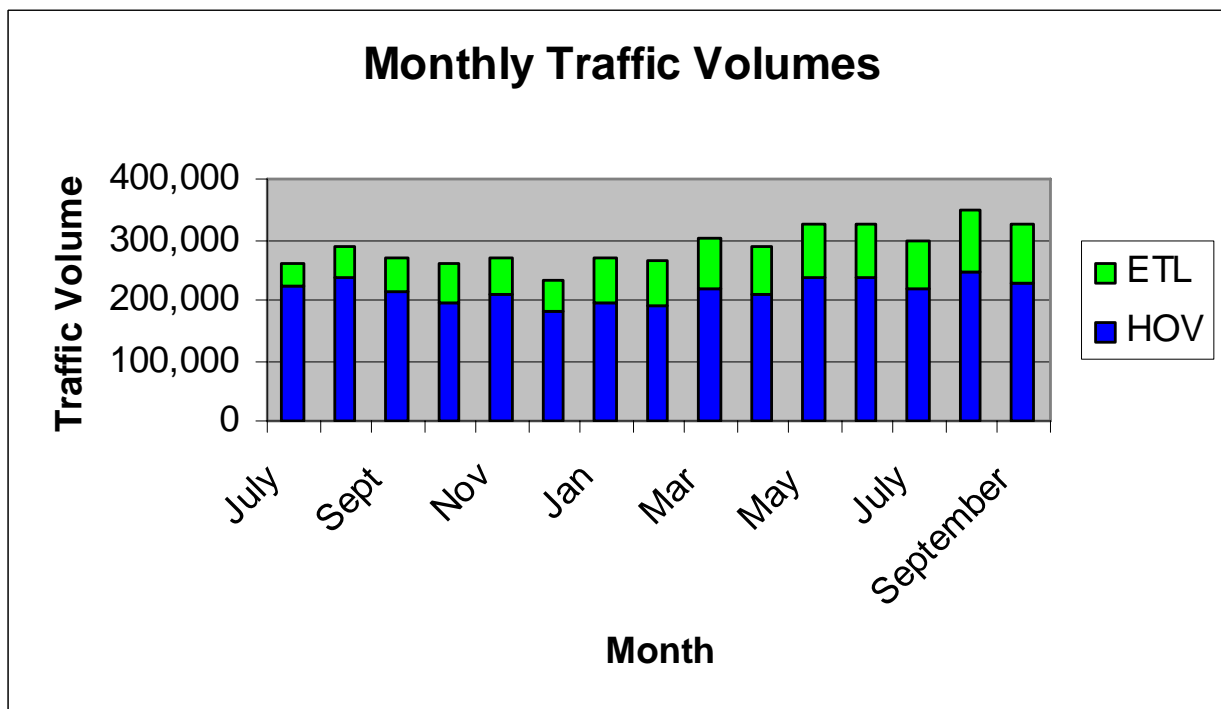
There were no unusual operational issues during September.

## 7.0 ADDITIONAL INFORMATION

Total daily traffic volumes for September 2007 are shown on the following graph.



The chart below summarizes monthly traffic since July 1, 2006.



Peak period traffic volumes are summarized below:

		Morning Peak Period					
		Total Peak Period			Avg Per Hour		
		Express	HOV	Total	Express	HOV	Total
3rd	Monday	16	184	200	4	46	50
	Tuesday	2,358	3,013	5,371	590	753	1,343
	Wednesday	2,424	3,112	5,536	606	778	1,384
	Thursday	2,612	3,155	5,767	653	789	1,442
	Friday	2,137	2,955	5,092	534	739	1,273
10th	Monday	2,401	2,800	5,201	600	700	1,300
	Tuesday	2,427	3,059	5,486	607	765	1,372
	Wednesday	2,351	3,088	5,439	588	772	1,360
	Thursday	2,337	3,003	5,340	584	751	1,335
	Friday	2,057	2,924	4,981	514	731	1,245
17th	Monday	2,416	2,973	5,389	604	743	1,347
	Tuesday	2,399	3,094	5,493	600	774	1,373
	Wednesday	2,467	3,279	5,746	617	820	1,437
	Thursday	2,521	3,196	5,717	630	799	1,429
	Friday	2,150	3,201	5,351	538	800	1,338
24th	Monday	2,353	2,950	5,303	588	738	1,326
	Tuesday	2,350	3,060	5,410	588	765	1,353
	Wednesday	2,480	3,130	5,610	620	783	1,403
	Thursday	2,529	3,164	5,693	632	791	1,423
	Friday	2,128	3,024	5,152	532	756	1,288

		Afternoon Peak Period					
		Total Peak Period			Avg Per Hour		
		Express	HOV	Total	Express	HOV	Total
3rd	Monday	108	2,165	2,273	27	541	568
	Tuesday	1,676	3,189	4,865	419	797	1,216
	Wednesday	1,777	3,284	5,061	444	821	1,265
	Thursday	1,907	3,318	5,225	477	830	1,306
	Friday	1,570	3,594	5,164	393	899	1,291
10th	Monday	1,461	2,882	4,343	365	721	1,086
	Tuesday	1,606	3,189	4,795	402	797	1,199
	Wednesday	1,908	3,492	5,400	477	873	1,350
	Thursday	1,734	3,263	4,997	434	816	1,249
	Friday	1,696	3,717	5,413	424	929	1,353
17th	Monday	1,499	2,940	4,439	375	735	1,110
	Tuesday	1,758	3,303	5,061	440	826	1,265
	Wednesday	1,744	3,329	5,073	436	832	1,268
	Thursday	2,177	3,781	5,958	544	945	1,490
	Friday	1,589	3,781	5,370	397	945	1,343
24th	Monday	1,583	2,995	4,578	396	749	1,145
	Tuesday	1,742	3,259	5,001	436	815	1,250
	Wednesday	1,807	3,425	5,232	452	856	1,308
	Thursday	1,749	3,316	5,065	437	829	1,266
	Friday	1,618	3,565	5,183	405	891	1,296



