



# FY 2011 1st QUARTER PERFORMANCE REPORT

October 2010

# TABLE OF CONTENTS

		PAGE
Intro	duction	1
1.0	Volumes and Lane Usage	1
2.0	Bus Travel Times	4
3.0	Revenues and Expenditures	4
4.0	Incidents	6
<b>5.0</b>	Enforcement	6
6.0	Operational Issues	6
<b>7.0</b>	Hybrid Utilization	6
	TABLES	
July	2010 Traffic Data Summary	1
_	ust 2010 Traffic Data Summary	1
	ember 2010 Traffic Data Summary	2
	rado State Patrol Manual Citations	6
FY1	1 1 <sup>st</sup> Quarter Hybrid Counts	7
	<u>FIGURES</u>	
July	2010 Daily Traffic Volumes	2
-	ust 2010 Daily Traffic volumes	
_	ember 2010 Daily Traffic Volumes	3 3 5
_	2010 Monthly Estimated Toll Revenue vs. Actual	5
FY 1	0/11 Revenue Comparisons	5



## INTRODUCTION

This report is a compilation of three months of data regarding traffic volumes and lane usage, bus travel times, revenues and expenditures, law enforcement activities, and incidents which may have impacted operations or revenues during the first quarter of Fiscal Year 2011 (FY 11).

## 1.0 VOLUMES AND LANE USAGE

Recorded use of the I-25 HOV/Express Lanes (including both HOV and toll-paying vehicles) has stabilized over the past few years with volumes ranging plus or minus 300,000 vehicles per month.

The highest traffic volume recorded since opening was in December 2007, at 355,308.

The tables below summarize of traffic data for both Tolled Express and HOV lanes for the months of July, August, and September 2010. Data includes weekend and non-peak traffic.

License plate tolls are presumed to be customers until such time that a bill is not paid. After a period of time, unpaid toll bills move to the violation process.

July Monthly Summary									
	Express	HOV Violations		LPT	Total				
<b>Total Monthly Traffic</b>	81,566	215,127	975	13,600	311,268				
Maximum Daily Traffic	4,365	8,976	56	709	13,439				
Average Daily Traffic	3,569	7,376	43	562	11,551				
Avg Weekday AM Peak Hour	434	559	6	54	1,053				
Avg Weekday PM Peak Hour	350	761	4	63	1,178				
Avg Weekday AM Peak Period*	1,736	2,237	23	215	4,211				
Avg Weekday PM Peak Period**	1,401	3,043	15	253	4,712				

August Monthly Summary									
	Express	HOV Violations		LPT	Total				
Total Monthly Traffic	88,911	210,194	1,152	15,670	315,927				
Maximum Daily Traffic	5,312	8,435	84	1,129	14,467				
Average Daily Traffic	3,896	7,113	51	655	11,715				
Avg Weekday AM Peak Hour	479	571	7	66	1,123				
Avg Weekday PM Peak Hour	380	749	5	71	1,204				
Avg Weekday AM Peak Period*	1,915	2,286	27	265	4,493				
Avg Weekday PM Peak Period**	1,519	2,997	18	284	4,818				

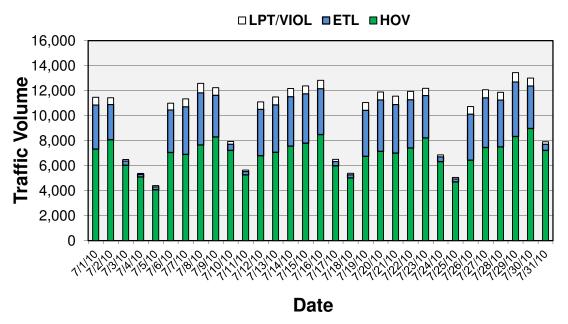


September Monthly Summary								
Express HOV Violations LPT								
Total Monthly Traffic	87,498	202,129	1,444	15,413	306,484			
Maximum Daily Traffic	4,462	8,237	91	773	12,602			
Average Daily Traffic	3,819	6,819	63	639	11,339			
Avg Weekday AM Peak Hour	483	575	9	70	1,137			
Avg Weekday PM Peak Hour	360	691	6	65	1,122			
Avg Weekday AM Peak Period*	1,931	2,302	36	280	4,548			
Avg Weekday PM Peak Period**	1,439	2,766	22	261	4,489			

<sup>\* 6:00</sup> AM – 10:00 AM

Daily and monthly traffic volumes are illustrated in the following figures. They include High Occupancy Vehicle (HOV), Electronic Toll Collection (ETC), License Plate Tolling (LPT) and Violations combined. The reason for combining these two is that previously they were simply considered to be violators at the time of transaction if there was not an active Express Toll account. The current practice is to send a bill to users who do not have an Express Toll Account to give them an opportunity to pay, and if they do not pay after a second notice, only then do they become violators.

# **JULY 2010 DAILY TRAFFIC VOLUMES**

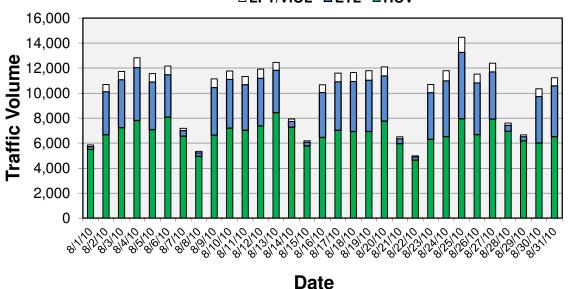


<sup>\*\* 3:00</sup> PM - 7:00 PM

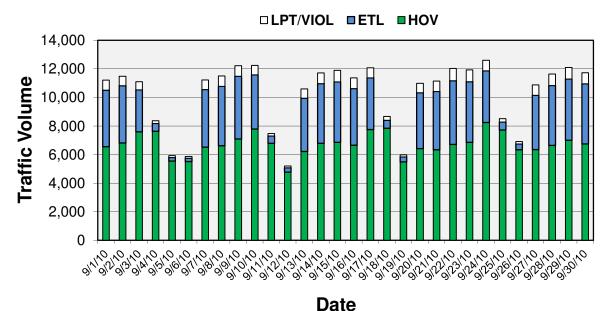


# **AUGUST 2010 DAILY TRAFFIC VOLUMES**





# **SEPTEMBER 2010 DAILY TRAFFIC VOLUMES**





#### 2.0 BUS TRAVEL TIME

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

- Exceeding travel time for more than one bus in an hour (provided the excess is not attributable 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.

In July there were eight buses that exceeded the allotted travel time of 8 minutes and 45 second. Three of these delays occurred during the rush hour period.

In August five buses exceeded the travel time threshold.

September had a travel time excedence of 28 buses. Eight of these were not in the peak period, indicating other factors than congestion. 18 of the remaining 20 peak period buses that exceeded the travel time threshold can be attributed to an accident that occurred on the September 28<sup>th</sup> on the I-25 mainlines that created backups and resulted in diversion of traffic to the I-25 Express lanes.

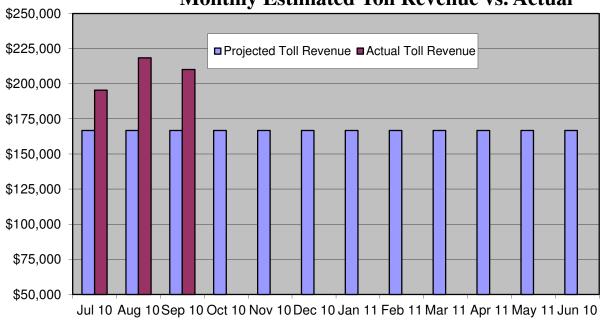
## 3.0 REVENUES AND EXPENDITURES

As is the case with traffic volumes, revenues are stable. Fees and fines decreased with the license plate tolling initiative and toll revenues increased. The HPTE has been conservative in revenue estimates, (estimating approximately \$167 thousand per month, totaling \$2 million annually) versus actual revenues that continue to be somewhat higher as shown in the chart below. Revenues were \$195,391 in July, \$218,374 in August, and \$210,151 in September, all exceeding the \$166,667 monthly projection.

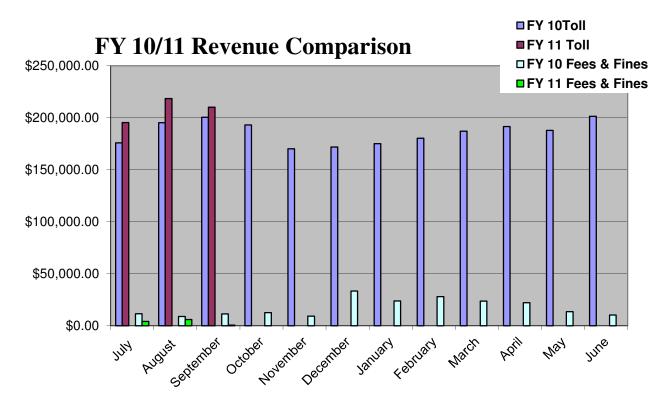
The following figure shows the projected vs. actual toll revenue to date for Fiscal Year 2011.







The figure below illustrates a comparison of previous year monthly revenues to current year.





#### 4.0 INCIDENTS

During the quarter, no major incidents occurred.

## 5.0 ENFORCEMENT

Law enforcement activities during FY 2011 are shown in the table below.

COLORADO STATE PATROL MANUAL CITATIONS										
	Total	Toll	HOV	Hazardous	Seatbelt	Other				
July 10	111	12	21	18	7	15	0 felony, 0 misd.			
Aug 10	93	14	20	7	3	11	0 felony, 0 misd.			
Sept 10	82	9	12	5	4	21	0 felony, 0 misd.			

## 6.0 OPERATIONAL ISSUES

During the last week of July a northbound dynamic message sign malfunctioned and appeared blank to motorists. This did not appear to hinder operations.

On August 13 a power surge during a thunderstorm damaged three dynamic message signs southbound on the corridor. Spare parts were used to repair these signs. A camera control cabinet was apparently stolen with little hope of recovery. Its estimated value was \$5,000 and a police report was filed. Another cabinet was hit by a vehicle and was able to be repaired...again with spare parts.

Two new gates were installed at 70<sup>th</sup> Avenue in September as part of the capital equipment replacement plan. The day after installation, one of the gates was hit by a vehicle resulting in some damage.

# 7.0 HYBRID UTILIZATION

Fuel Efficient vehicles have been allowed access to the I-25 Express Lanes free of paying a toll even if they have only one occupant provided that they have obtain a permit from CDOT, obtain a specially coded transponder, and display a decal in their windshield. CDOT has tracked hybrid usage of the Express Lanes. The usage has been consistent for the first quarter as illustrated in the table below.



FY11 – 1<sup>st</sup> Quarter Hybrid Counts

J	uly 2010	111		ug 2010	oria Co	Sept 2010		
Date AM PM		Date	AM	PM	Date	AM	PM	
			8/1		18	9/1	120	143
7/2	93	97	8/2	116	132	9/2	133	141
7/3		30	8/3	121	145	9/3	101	109
7/4		14	8/4	118	138	9/4		34
7/5		28	8/5	119	130	9/5		34
7/6	131	139	8/6	96	104	9/6		23
7/7	129	131	8/7		33	9/7	144	145
7/8	126	143	8/8		28	9/8	136	130
7/9	103	119	8/9	127	135	9/9	129	135
7/10		37	8/10	123	135	9/10	113	113
7/11		24	8/11	121	130	9/11		30
7/12	139	151	8/12	123	120	9/12		28
7/13	125	145	8/13	98	123	9/13	122	125
7/14	126	147	8/14		27	9/14	134	137
7/15	148	144	8/15		20	9/15	129	141
7/16	112	118	8/16	130	133	9/16	128	152
7/17		38	8/17	122	130	9/17	106	111
7/18		17	8/18	138	141	9/18		31
7/19	128	130	8/19	135	123	9/19		24
7/20	129	145	8/20	105	107	9/20	139	145
7/21	134	141	8/21		22	9/21	137	135
7/22	124	140	8/22		26	9/22	129	131
7/23	115	120	8/23	133	149	9/23	137	148
7/24		36	8/24	136	148	9/24	112	121
7/25		24	8/25	134	142	9/25		41
7/26	119	111	8/26	132	139	9/26		37
7/27	122	144	8/27	109	109	9/27	134	137
7/28	123	142	8/28		34	9/28	138	141
7/29	137	153	8/29		29	9/29	133	134
7/30	103	110	8/30	132	132	9/30	132	139
7/31		35	8/31	139	150			