



# MONTHLY PROGRESS REPORT

SEPTEMBER 2008





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**INTRODUCTION**

This report contains information 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 month of August 2008.

**1.0 VOLUMES AND LANE USAGE**

During September 2008, recorded use of the I-25 HOV/Express Lanes (including both HOV and toll-paying vehicles), decreased by 7.62% to 295,361 from 319,725 in August, and by 15.40% from July’s recorded use of 349,133. The fact that total traffic is down in September is consistent with previous years. However, this was the second straight month that overall traffic was less than the monthly traffic from 2007. There were some equipment and power failure issues on the 26<sup>th</sup>, 27<sup>th</sup>, and 28<sup>th</sup> that contributed to lost revenues.

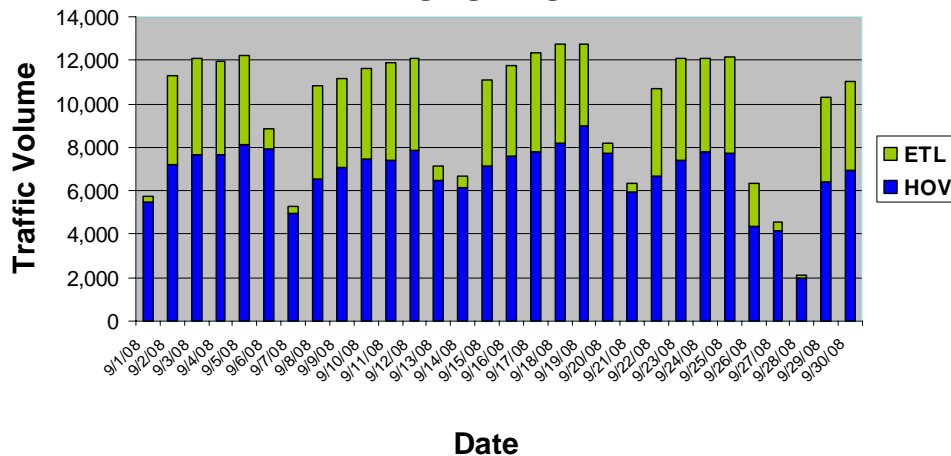
The September summary of traffic data for both Tolled Express and HOV lanes follows. Data includes weekend and non-peak traffic.

September 2008 Traffic Data Summary			
	Express	HOV	Total
<b>Total Monthly Traffic</b>	90,679	204,682	295,361
<b>Maximum Daily Traffic</b>	4,682	8,973	12,726
<b>Average Weekday Traffic</b>	3,777	6,930	10,707
<b>Avg Weekday AM Peak Hour</b>	516	666	1,181
<b>Avg Weekday PM Peak Hour</b>	359	743	1,102
<b>Avg Weekday AM Peak Period*</b>	2,062	2,663	4,725
<b>Avg Weekday PM Peak Period**</b>	1,436	2,972	4,408

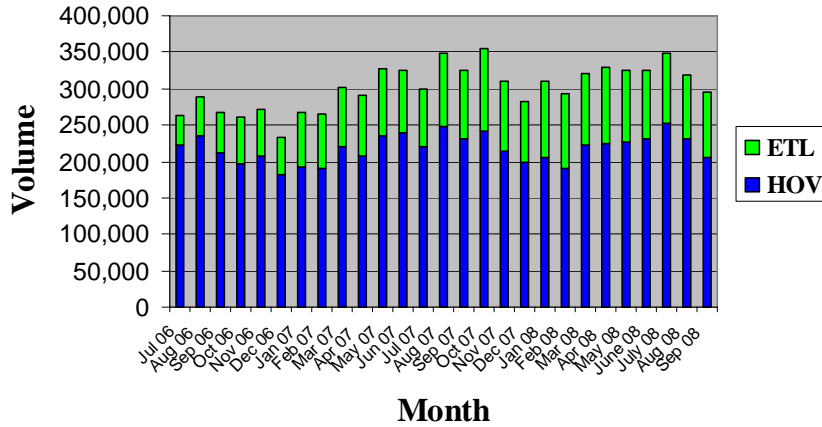
\* 6:00 AM – 10:00 AM  
 \*\* 3:00 PM – 7:00 PM

Daily and monthly traffic volumes are illustrated in the following figures.

**SEPTEMBER 2008 DAILY TRAFFIC VOLUMES**



**MONTHLY TRAFFIC VOLUMES**

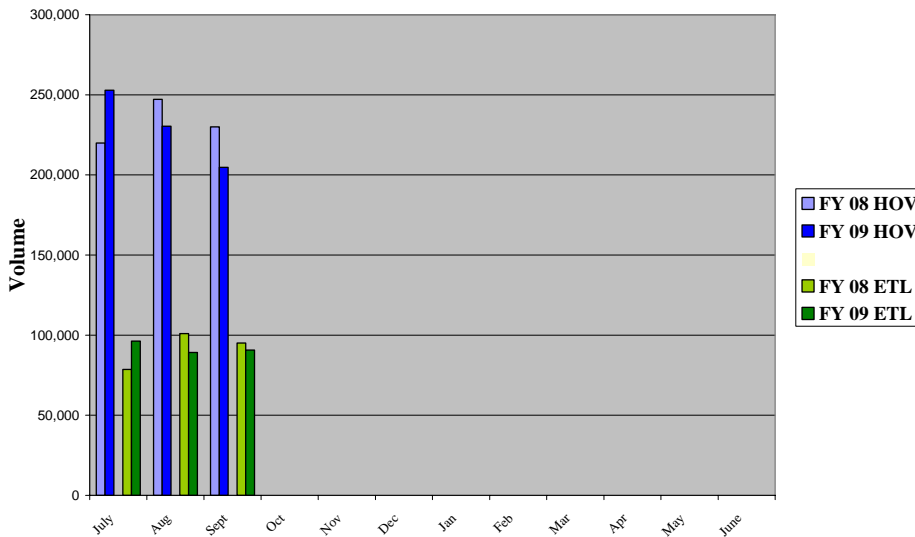


Recorded HOV lane usage during September 2008 (204,682) declined from September 2007 usage (229,987) by 25,305.

Toll lane usage during September 2008 (90,679) declined from September 2007 usage (95,091) by 4,412.

Current fiscal year traffic volumes compared to the previous fiscal year’s volumes are represented in the following figure.

**FY 08/09 Traffic Comparisons**





MONTHLY PROGRESS REPORT – September 2008

Detailed data for peak period traffic volumes are found in the following tables.

	Weekday	Morning Rush Period					
		Total Peak Period			Avg Per Hour		
		Express	HOV	Total	Express	HOV	Total
1st	Monday	19	214	233	5	54	58
	Tuesday	2,093	2,742	4,835	523	686	1,209
	Wednesday	2,274	2,898	5,172	569	725	1,293
	Thursday	2,141	2,880	5,021	535	720	1,255
	Friday	1,923	2,608	4,531	481	652	1,133
8th	Monday	2,357	2,599	4,956	589	650	1,239
	Tuesday	2,095	2,748	4,843	524	687	1,211
	Wednesday	2,109	2,832	4,941	527	708	1,235
	Thursday	2,177	2,780	4,957	544	695	1,239
	Friday	2,233	2,524	4,757	558	631	1,189
15th	Monday	2,085	2,818	4,903	521	705	1,226
	Tuesday	2,221	2,896	5,117	555	724	1,279
	Wednesday	2,240	2,858	5,098	560	715	1,275
	Thursday	2,276	2,888	5,164	569	722	1,291
	Friday	1,802	2,701	4,503	451	675	1,126
22nd	Monday	2,212	2,655	4,867	553	664	1,217
	Tuesday	2,438	2,896	5,334	610	724	1,334
	Wednesday	2,248	2,911	5,159	562	728	1,290
	Thursday	2,270	2,936	5,206	568	734	1,302
	Friday	1,693	2,596	4,289	423	649	1,072
29th	Monday	2,271	2,766	5,037	568	692	1,259
	Tuesday	2,187	2,844	5,031	547	711	1,258

	Weekday	Afternoon Rush Period					
		Total Peak Period			Avg Per Hour		
		Express	HOV	Total	Express	HOV	Total
1st	Monday	101	2,146	2,247	25	537	562
	Tuesday	1,485	2,955	4,440	371	739	1,110
	Wednesday	1,710	3,275	4,985	428	819	1,246
	Thursday	1,622	3,170	4,792	406	793	1,198
	Friday	1,675	3,521	5,196	419	880	1,299
8th	Monday	1,499	2,782	4,281	375	696	1,070
	Tuesday	1,533	3,003	4,536	383	751	1,134
	Wednesday	1,572	3,138	4,710	393	785	1,178
	Thursday	1,752	3,125	4,877	438	781	1,219
	Friday	1,355	3,108	4,463	339	777	1,116
15th	Monday	1,420	2,839	4,259	355	710	1,065
	Tuesday	1,503	2,950	4,453	376	738	1,113
	Wednesday	1,793	3,343	5,136	448	836	1,284
	Thursday	1,831	4,092	5,923	458	1,023	1,481
	Friday	1,325	3,308	4,633	331	827	1,158
22nd	Monday	1,438	2,844	4,282	360	711	1,071
	Tuesday	1,731	3,120	4,851	433	780	1,213
	Wednesday	1,446	3,057	4,503	362	764	1,126
	Thursday	1,619	3,178	4,797	405	795	1,199
	Friday	97	333	430	24	83	108
29th	Monday	1,403	2,875	4,278	351	719	1,070
	Tuesday	1,682	3,216	4,898	421	804	1,225



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The following table represents monthly averages of peak hour traffic.

	AM EXPRESS 7:00-8:00	AM HOV 7:00-8:00	PM HOV 5:00-6:00	PM EXPRESS 5:00-6:00	AM TOTAL 7:00-8:00	PM TOTAL 5:00-6:00	CAPACITY
Jul 06	268	947	1,120	312	1,215	1,432	3,000
Aug 06	331	1,065	1,179	389	1,396	1,568	3,000
Sep 06	446	1,051	990	403	1,497	1,393	3,000
Oct 06	502	1,064	1,075	453	1,566	1,528	3,000
Nov 06	456	986	1,045	457	1,442	1,502	3,000
Dec 06	378	808	831	360	1,186	1,191	3,000
Jan 07	546	1,021	1,060	523	1,567	1,583	3,000
Feb 07	618	1,099	1,081	585	1,717	1,666	3,000
Mar 07	623	1,121	1,128	575	1,744	1,703	3,000
Apr 07	684	1,123	1,117	589	1,807	1,706	3,000
May 07	697	1,098	1,112	592	1,795	1,704	3,000
Jun 07	772	1,081	1,144	591	1,853	1,735	3,000
Jul 07	659	976	1,009	509	1,635	1,518	3,000
Aug 07	810	1,169	1,144	627	1,979	1,771	3,000
Sep 07	873	1,184	1,075	623	2,057	1,698	3,000
Oct 07	895	1,180	1,101	676	2,075	1,777	3,000
Nov 07	814	1,121	1,008	591	1,935	1,599	3,000
Dec 07	670	921	882	492	1,591	1,374	3,000
Jan 08	784	1,037	1,056	700	1,821	1,756	3,000
Feb 08	694	967	1,008	747	1,661	1,755	3,000
Mar 08	804	1,083	1,078	688	1,887	1,766	3,000
Apr 08	858	1,119	1,095	689	1,977	1,784	3,000
May 08	786	1,044	1,038	609	1,830	1,647	3,000
Jun 08	770	1,078	1,133	611	1,848	1,744	3,000
Jul 08	721	1,012	1,116	561	1,733	1,677	3,000
Aug 08	732	1,073	1,035	555	1,805	1,590	3,000
Sep 08	797	1,065	966	552	1,862	1,518	3,000

Fifteen minute counts at the 19<sup>th</sup> Street exit have been collected since May 2008. Because the counts are conducted manually, this is only done during the first full week of each month, which provides a representative sample.

A table containing 15-minute counts at 19<sup>th</sup> Street follows:

15-minute counts at 19th St.						
	Monday	Tuesday	Wednesday	Thursday	Friday	Average
	8-Sep	9-Sep	10-Sep	11-Sep	12-Sep	
7:00 - 7:15	155	179	176	168	153	166
7:15 - 7:30	221	243	232	211	199	221
7:30 - 7:45	213	281	255	248	194	238
7:45 - 8:00	304	307	274	273	280	288
8:00 - 8:15	271	240	248	228	229	243
8:15 - 8:30	266	191	197	198	196	210

## 2.0 BUS 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 triggers are:

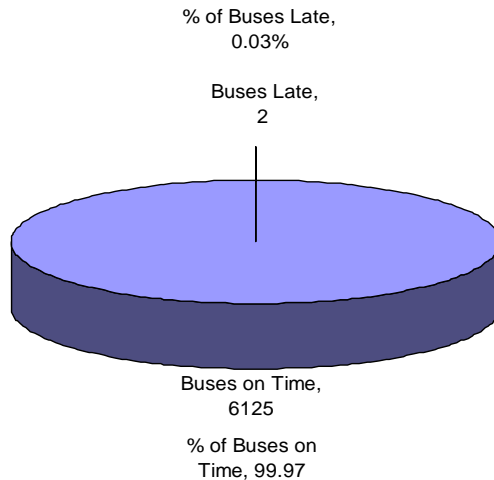
- Exceeding travel time for more than one bus in an hour (provided the excess is not attributable to a stall, crash and closure of the lane, or special event).
- Exceeding the travel time for more than one day per week for three weeks in a row.
- Predictable patterns.

During the month of September, there were 2 buses that missed the 8-minute 45-second time standard during the rush hour period. These two occurrences were completely isolated and with no apparent reason for the delay. There were 30 buses that were within the 7-minute 45-second to 8-minute 45-second time slots. Again, there was no pattern to the bus delay.

There were also 19 buses during the non-rush hour periods that missed the 7-minute 45-second time standard and of these, 6 buses exceeded the 8-minute 45 second time standard. These delays were random, although most occurred between 5:30 a.m. and 7:00 a.m.

Bus delays are depicted in the chart below.

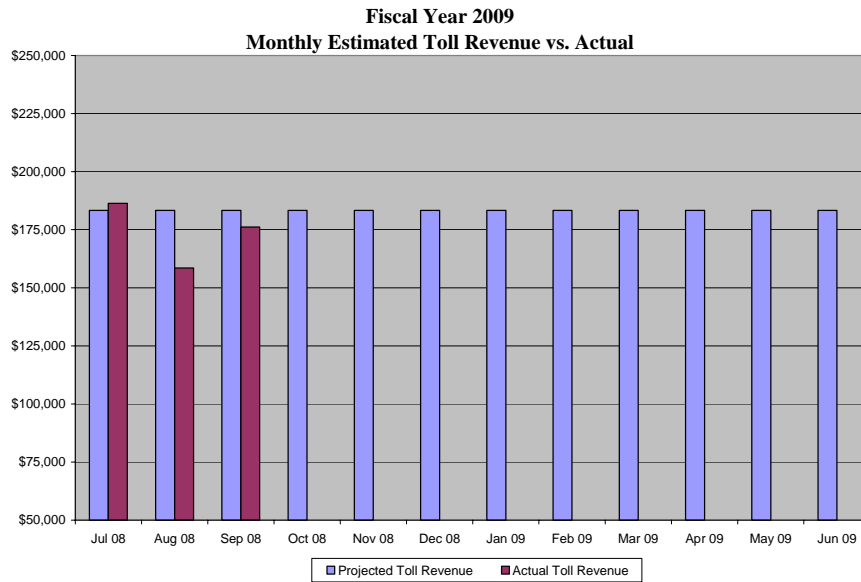
**WEEKDAY BUS TRAVEL TIME  
September 2008**



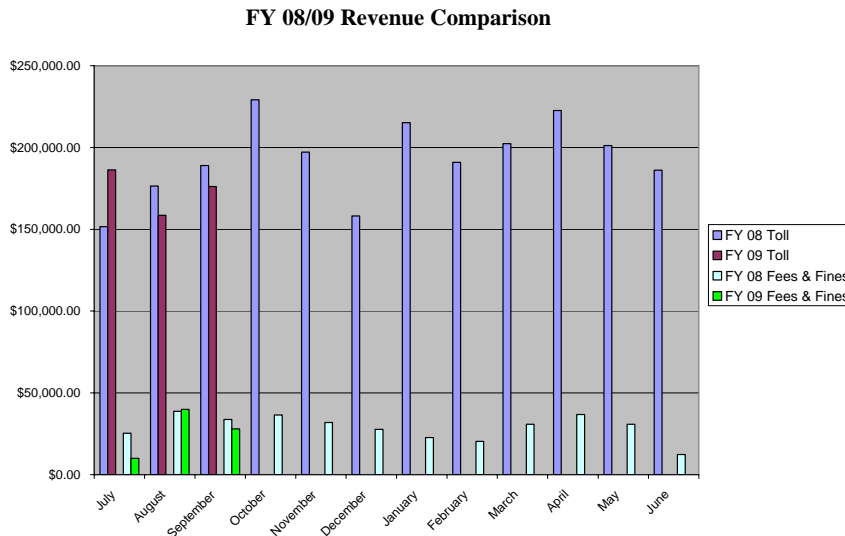
### 3.0 REVENUES AND EXPENDITURES

September 2008 toll revenues increased to \$176,173.50, from August’s total of \$158,514.50. The total of all revenues, including tolls, fees, and fines, was \$204,137.75. Fees and fines collected this month declined to \$27,961.25 from \$39,926.71 in August. The amount of fees and fines collected in September represents 13.70 % of September’s total revenues.

The following figure shows the projected vs. actual toll revenue to date for Fiscal Year 2009.



Current fiscal year revenues compared to the previous fiscal year’s revenues are illustrated in the following figure.







**MONTHLY PROGRESS REPORT – September 2008**

The following table illustrates CTE general administrative expenditures through September 2008.

ITEM	Estimated Revenues	Estimated Expenditures	Current Month Actual	Year-to-Date Actual	Remaining
<b>CTE Administrative Budget</b>					
<b>Revenues</b>					
Interest Earnings	\$ 216,000		\$ 5,590	\$ 16,569	\$ 199,431
<b>Total Revenues</b>	<b>\$ 216,000</b>		<b>\$ 5,590</b>	<b>\$ 16,569</b>	<b>\$ 199,431</b>
<b>Expenditures</b>					
General Engineering Consultant (8200)		\$ 50,000	\$ -	\$ -	\$ 50,000
Traffic and Revenue Consultant ((8200)		\$ 50,000	\$ -	\$ -	\$ 50,000
Financial Advisor (8200)		\$ 50,000	\$ -	\$ -	\$ 50,000
Misc. (Marketing/Research, Advertisement) (8200)		\$ 10,000	\$ -	\$ -	\$ 10,000
IBTTA Dues & Conference Registration (8100)		\$ 3,000	\$ -	\$ -	\$ 3,000
Misc. (Travel, Meals, Board Expenses) (8100)		\$ 3,000	\$ 237	\$ 247	\$ 2,753
CDOT/ CTE Staff Costs (8100)		\$ 50,000	\$ 7,822	\$ 21,800	\$ 28,200
<b>Total Expenditures</b>		<b>\$ 216,000</b>	<b>\$ 8,059</b>	<b>\$ 22,047</b>	<b>\$ 193,953</b>

The next table illustrates expenses specific only to the I-25/HOV Express Lanes.

ITEM	Estimated Revenues	Estimated Expenditures	Current Month Actual	Year-to-Date Actual	Remaining
<b>I 25 Express Lanes (8500)</b>					
<b>Revenues</b>					
Estimated Toll Revenues	\$ 2,200,000		\$ 176,174	\$ 524,618	\$ 1,675,382
Estimated Misc. Revenues	\$ 360,000		\$ 35,604	\$ 99,523	\$ 260,477
Loan from Transportation Commission	\$ -		\$ -	\$ -	\$ -
Carryforward Balance from FY 08				\$ -	
<b>Total Revenues</b>	<b>\$ 2,560,000</b>		<b>\$ 211,778</b>	<b>\$ 624,140</b>	<b>\$ 1,935,860</b>
<b>Expenditures</b>					
Contracted Snow Plow Operations (T-P Enterprises)		\$ 455,575	\$ 59,263	\$ 80,886	\$ 374,689
Colorado State Patrol		\$ 77,250	\$ 2,999	\$ 6,922	\$ 70,329
E-470 Back office Operations		\$ 100,000	\$ 14,646	\$ 14,737	\$ 85,263
E-470 Oversight and Management (Transactions)		\$ 300,000	\$ 27,866	\$ 31,591	\$ 268,409
E-470 Maintenance Tech.		\$ 83,166	\$ 7,613	\$ 12,251	\$ 70,915
Toll System Maintenance *		\$ 30,000	\$ 19,898	\$ (10,103)	\$ 40,103
VMS, Fiber, Travel Time, Surveillance		\$ 50,000	\$ -	\$ -	\$ 50,000
Non-revenue transponders		\$ 5,000	\$ -	\$ -	\$ 5,000
Marketing/ Outreach		\$ 10,300	\$ 690	\$ 4,054	\$ 6,246
User Survey		\$ -	\$ -	\$ -	\$ -
IBTTA Dues (25% of Total)		\$ 1,000	\$ -	\$ -	\$ 1,000
CDOT/ CTE Staff Costs		\$ 164,800	\$ 2,376	\$ 8,422	\$ 156,378
Contingency		\$ 250,000	\$ -	\$ -	\$ 250,000
TC Loan Repayment		\$ 310,475	\$ -	\$ -	\$ 310,475
Sinking Fund for Rehab or Reconstruction		\$ -	\$ -	\$ -	\$ -
Controller Cabinet Modifications		\$ 10,000	\$ -	\$ -	\$ 10,000
Gates		\$ 233,830	\$ -	\$ -	\$ 233,830
Software Upgrade for Gates		\$ 12,500	\$ -	\$ -	\$ 12,500
Variable Message sign Upgrades		\$ 20,000	\$ -	\$ -	\$ 20,000
Maintenance Response Vehicles		\$ 1,700	\$ -	\$ -	\$ 1,700
Dynamic Pricing Upgrade		\$ -	\$ -	\$ -	\$ -
Region 6 Maintenance Costs		\$ 328,404	\$ -	\$ -	\$ 328,404
Courtesy Patrol		\$ 116,000	\$ 9,052	\$ 18,066	\$ 97,934
<b>Total Expenditures</b>		<b>\$ 2,560,000</b>	<b>\$ 144,400</b>	<b>\$ 166,826</b>	<b>\$ 2,393,174</b>



\* Note regarding E-470 Task Order #6, for Hybrids: The accrual was for \$30,000, per E-470. It was reversed in the beginning of the 2009 fiscal year since it was a 2008 expense. The actual invoice only totaled \$19,898, which resulted in a negative year-to-date balance of \$10,103 for that line item.

#### 4.0 INCIDENTS

On September 9<sup>th</sup> at approximately 10:30 p.m. there was a head-on collision in the HOT lanes. It was reported that the accident was a fatality, which fortunately proved to be incorrect. However, there was an injury. The accident report noted that one of the vehicles was traveling southbound while the lanes were opened in the northbound direction. It is not known for certain where the vehicle entered the HOT lanes, but the most likely location is via the exit point on 70<sup>th</sup> St. Steve Sperry was called to close the HOT lanes so the accident could be cleared. He noted that all of the equipment was operating correctly.

#### 5.0 ENFORCEMENT

Law enforcement activities during FY 09 are shown in the table below.

COLORADO STATE PATROL MANUAL CITATIONS							
	Total Stopped	Toll Citations	HOV Citations	Hazardous Citations	Seatbelt Citations	All Other Citations	Arrests
Jul 08	99	16	16	19	9	23	0 felony, 0 misd.
Aug 08	68	9	9	21	2	24	0 felony, 0 misd.
Sep 08	113	4	5	20	1	18	0 felony, 0 misd.

#### 6.0 OPERATIONAL ISSUES

On Monday morning, September 22, communication to all of the equipment at the sound end of the HOT lanes, was lost, due to a major power problem in the Excel lines serving NODE 1 and several businesses in the area. The problem had actually occurred late Saturday night or Sunday. The battery back-up system that powers the NODE building for 24 hours was completely drained by Monday morning. Manual operation of the HOT lanes served the traveling public with only a 1 hour delay in opening on Monday morning.

On September 26<sup>th</sup> the inbound gates on US 36 closed unexpectedly, likely due to a power failure. The gates had been designed to remain in the last known condition, meaning that these gates should have remained open when power was restored. A relay timer was found to be defective. A replacement is being located.

Also, on the 26<sup>th</sup>, 27<sup>th</sup> and 28<sup>th</sup> there were equipment and power issues with the tolling location. Region 6 worked with E-470 personnel and Excel to repair the problems.



These problems resulted in lost counts and revenue from Friday afternoon until Sunday morning.