

# September 2014

## Monthly Operations Report



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# INTRODUCTION

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Pursuant to Schedule 6, Section 1.8.2(a) of the Concession Agreement, Plenary Roads Denver (“PRD”) is required to submit a monthly report covering all essential statistics related to the Managed Lanes. The following data covers the month of September 2014.

## 1.0 VOLUMES AND LANE USAGE

The total monthly traffic volume for September 2014 was 279,007.

The table below provides the monthly summary, along with a detailed breakdown of weekday volumes. For reference, the AM Peak Period is considered to be weekdays from 6:45 am – 8:45 am. The PM Peak Period is considered to be weekdays from 4:30pm – 6:00pm.

The following tables depict the daily traffic counts (Table 1) and distribution of traffic by type (Table 2) for the month.

	AVI	LPT	HOV	Violation	Total	Hybrid
<b>Total Monthly Traffic</b>	75,767	30,831	171,820	589	279,007	4,569
<b>Maximum Weekday Traffic</b>	4,423	2,039	7,223	38	13,038	245
<b>Average Weekday Traffic</b>	2,444	995	5,543	19	9,000	147
<b>Average Hourly AM Peak Traffic</b>	557	221	783	4	1,565	68
<b>Average Hourly PM Peak Traffic</b>	472	183	807	4	1,466	52

Table 1 - September 2014 Traffic Summary

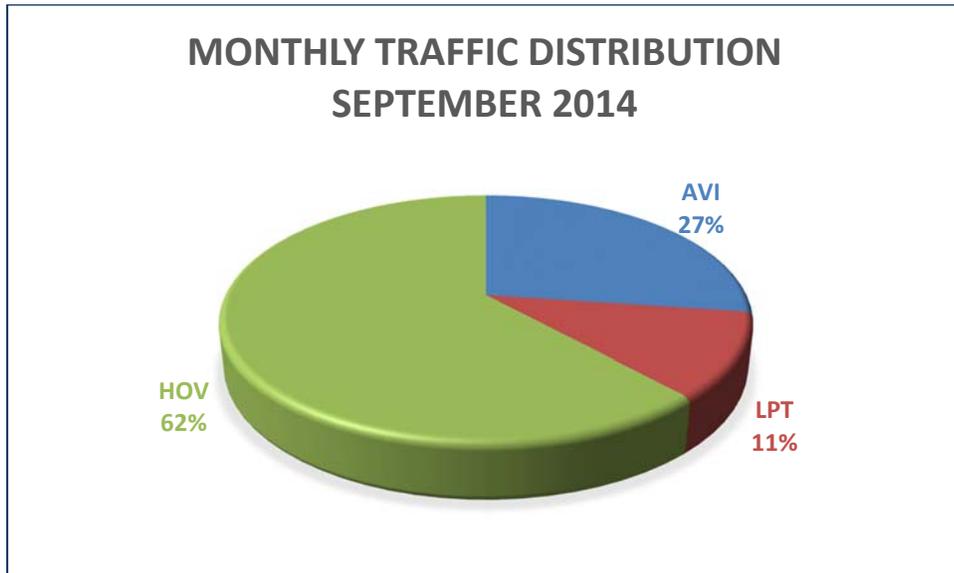


Figure 1 – Daily Traffic Counts

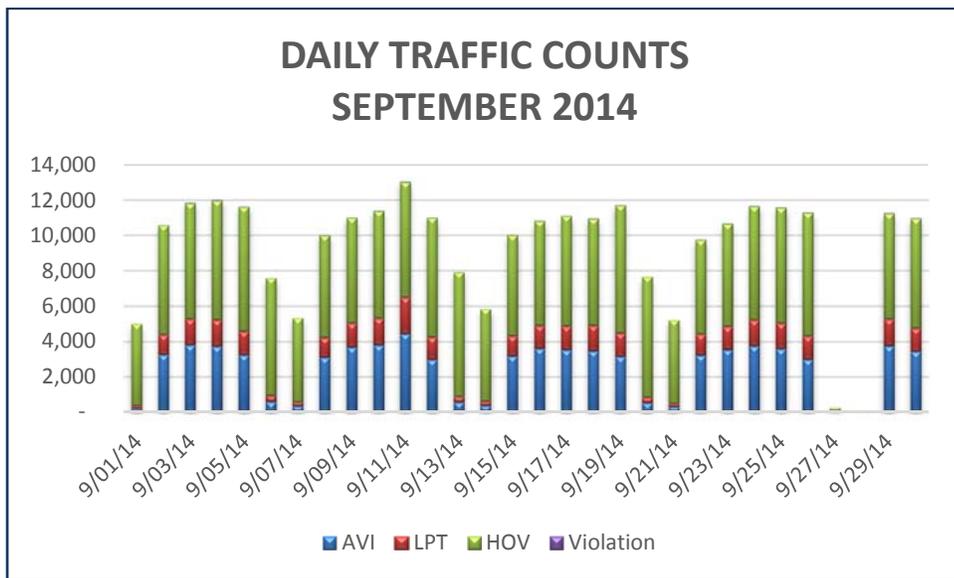


Figure 2 – Monthly Traffic Distribution

## 2.0 BUS TRAVEL TIME

Beginning in September 2013, RTD has been replacing its old T21 plastic case transponders with new 6C sticker transponders. The travel time indicators (“TTIs”) in the lanes are only able to read the T21 protocol. As a result, there is not an ability to track the travel times of the buses in the Express Lanes during the month of September 2014. As part of US 36 Phase 1, the TTI at Pecos was successfully aimed on September 25<sup>th</sup>. It will now be placed into an equipment cabinet. The new fiber optic communications line that will transmit the TTI information is undergoing testing and is expected to be completed soon. The TTI at DUS will be installed after the Pecos TTI passes all tests. CDOT will be managing the FCC forms for the new equipment.

## 3.0 REVENUES

During the month of September 2014, PRD collected \$273,965 from users of the Managed Lanes. For the purposes of this report, revenues are recognized at the time of collection, which is typically sometime after they have been incurred for those customers who are billed based on their license plate. For example, if a single-occupant vehicle uses the lanes in March but pays in September, the associated revenue is attributed to September.

## 4.0 OPERATIONAL INCIDENTS, ISSUES, AND CLOSURES

There were two operational incidents during September 2014. Both incidents were addressed within the allowable timelines. A brief description of each incident is provided below:

- **9/22/2014** – debris was reported in the Managed Lanes. The debris was removed within the allowable cure time.
- **9/29/2014** - debris was reported in the Managed Lanes. The debris was removed within the allowable cure time.

## 5.0 MEAN TIME BETWEEN FAILURE (MTBF) AND MEAN TIME TO REPAIR (MTTR)

Maintained Element	Mean Time Between Failure (MTBF) (Hours)	Mean Time To Repair (MTTR) (Hours)
040-I25-GAT-GS02-GATE01	2,481	29
040-I25-GAT-GS03-GATE03	4,511	5
040-I25-GAT-GS05-GATE02	4,316	8
040-I25-GAT-GS05-GATE04	4,735	1
040-I25-GAT-GS05-GATE05	4,735	1

## 6.0 HYBRID UTILIZATION

Total Hybrid Trips	Average AM Peak	Average PM Peak
4,569	68	52

Table 2 - Hybrid Utilization

Fuel efficient “Hybrid” vehicles are permitted to access the Express Lanes free of charge, regardless of occupant numbers, provided that they have obtained a permit from CDOT, obtained a Hybrid transponder from E-470, and display an E-470 Hybrid decal on the vehicle’s windshield.