June 2014

Monthly Operations Report

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INTRODUCTION

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, along with any Incident Reports filed during the reporting period. The following data covers the month of June 2014.

1.0 VOLUMES AND LANE USAGE

The total monthly traffic volume for June 2014 was 604,929.

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 6:00 am – 10:00 am. The PM Peak Period is considered to be weekdays from 3:00pm – 7:00pm.

June 2014 Summary						
	Transponder	Hybrid	Licence Plate	HOV	Violation	Total
Total Monthly Traffic	70,492	4,570	30,914	198.395	558	**304,929**
Maximum Weekday Traffic	3,657	231	1,593	7,744	35	**13,260**
Average Weekday Traffic	2,340	154	1,011	6,587	18	**10,110**
Average AM Peak/Hour	527	30	211	846	3	**1,616**
Average PM Peak/Hour	468	26	205	864	4	**1,566**
Average AM Peak Period	1,409	93	567	2,226	9	**4,304**
Average PM Peak Period	1,325	77	584	2,816	11	**4,813**

Table 1 - June 2014 Traffic Summary

The following tables depict the distribution of traffic types (Table 1) and daily traffic volumes (Table 2) for the month.
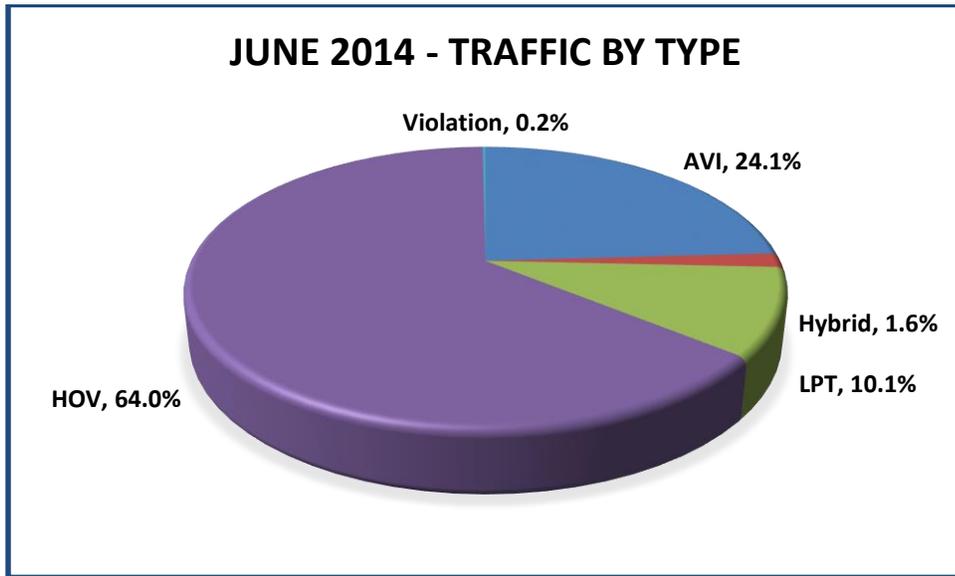
JUNE 2014 - TRAFFIC BY TYPE

Violation, 0.2%

AVI, 24.1%

Hybrid, 1.6%

LPT, 10.1%

HOV, 64.0%

Figure 1 - Traffic by Type

JUNE 2014 - DAILY TRAFFIC VOLUME
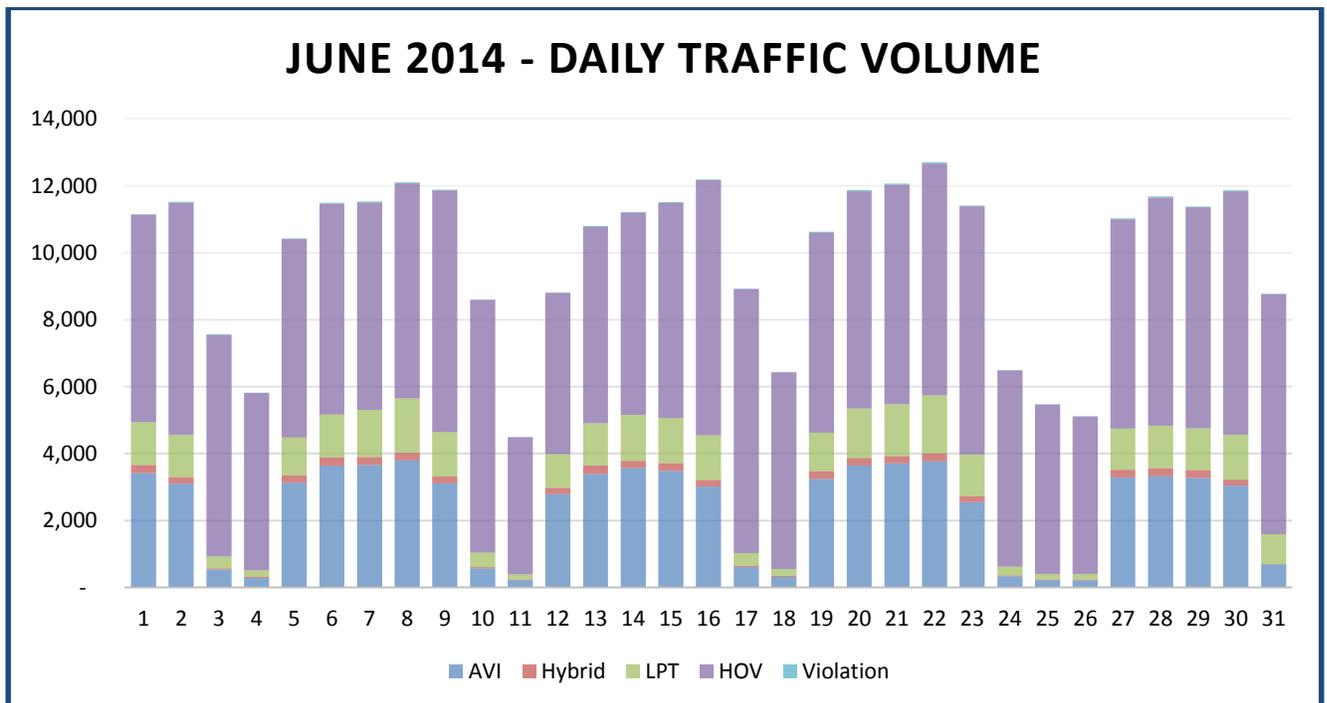
AVI Hybrid LPT HOV Violation

Figure 2 - Daily Traffic Volumes

2.0   BUS TRAVEL TIME

Beginning in August 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 June 2014. Updated TTIs have been procured and will be installed during the coming months.

3.0   REVENUES

During the month of June 2014, PRD collected $254,278 from users of the Managed Lanes. For the purposes of this report, revenues are recognized at the time which they are collected, which is typically sometime after they have been incurred for those customers who are billed based on their licence plate. For example, if a single-occupant vehicle uses the lanes in March but pays in June, the associated revenue is attributed to June.

4.0   OPERATIONAL INCIDENTS, ISSUES, AND CLOSURES

On June 20th, a transformer outage resulted in a gate closure of less than minutes. The gate in question was configured to default to closed status in the event of a power interruption and was the only gate remaining with that configuration. This issue has been remedied, and all gates are now configured to revert to their original state in the event of a power interruption.

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

MTBF and MTTR data is provided in the table below. Only Maintained Elements that were repaired this month and had a failure type breakdown are listed in the table.

Maintained Element	Mean Time Between Failure (MTBF) (Hours)	Mean Time To Repair (MTTR) (Hours)
040-I25-GAT-GS02-GATE01	2,444	0.5
040-I25-GAT-GS03-GATE05	2,664	3.75
040-I25-GAT-GS07-GATE02	2,276	0.5

The beginning date for the MTBF calculation for the elements was set equal to the Notice to Proceed date of March 7th, 2014. TSI considers a breakdown to be a failure when the element cannot be used for its intended purpose until repaired.

6.0   ENFORCEMENT

PRD, HPTE and the Colorado State Patrol ("CSP") are working together in partnership to ensure the safety and integrity of both the General and Managed Lanes. Detailed statistics related to the CSP's enforcement activities will be made available in PRD Quarterly Reports, the first of which will be released in July 2014.

7.0   HYBRID UTILIZATION

Total Hybrid Trips	Average AM Peak	Average PM Peak
4,570	93	77

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. PRD tracks Hybrid usage of the Express Lanes, which has trended downward during the past 12 months but has experienced a small increase during the current period.