

October 2015

Monthly Operations Report



Table of Contents

1.0	Volumes and Lane Usage	3
2.0	Revenues	5
3.0	Operational Incidents, Issues, and Closures	5
4.0	Mean Time Between Failure (MTBF) and Mean Time to repair (MTTR)	6
5.0	Hybrid Utilization	7

TABLES

Table 1 - Monthly Traffic Summary	Error! Bookmark not defined.
Table 2 – Managed Lanes Closures to Date	6
Table 3 – ETCS Issues per CA Schedule 6 Appendix 6-2	6
Table 4 – Mean Time Between Failure & Mean Time To Repair	6
Table 5 - Hybrid Utilization	7

FIGURES

Figure 1 – Monthly Traffic Distribution	4
Figure 2 – Daily Traffic Counts	5

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. The following data covers the month of October 2015. Operationally, October was a positive month. Several major maintenance tasks were completed along with routine maintenance tasks, there were minimal incidents to maintained elements, and traffic volumes were consistent with expectations.

1.0 VOLUMES AND LANE USAGE

On July 22, 2015, the Managed Lanes for Phase 1 on US 36 began toll operations. These Managed Lanes had been open to the public at no charge for several weeks prior to that date for toll equipment testing. The total monthly gantry traffic volume for October 2015 in the I-25 Central and US 36 Managed Lanes was 219,798 and 578,539, respectively.

The table below provides the monthly summary for each Managed Lanes roadway, 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. It should be noted that the I-25 Managed Lane traffic reflects traffic counts from a single gantry and US 36 Managed Lane counts reflect ten gantries, five gantries in each direction. Therefore, US 36 data will indicate higher traffic counts that are not comparative to those of I-25.

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

Traffic Summary (I-25C)						
	AVI	LPT	HOV	Non-Rev & Hybrid	Total	Hybrid
Total Monthly Traffic	91,955	76,951	41,937	8,955	219,798	3,513
Maximum Weekday Traffic	4,739	3,871	2,049	440	10,856	184
Average Weekday Traffic	4,092	3,299	1,854	402	9,245	158
Average Hourly AM Peak Traffic	649	469	336	64	1,454	N/A
Average Hourly PM Peak Traffic	583	454	292	59	1,329	N/A

Traffic Summary (US 36)						
	AVI	LPT	HOV	Non-Rev & Hybrid	Total	Hybrid
Total Monthly Traffic	229,237	190,940	132,218	26,144	578,539	8,263
Maximum Weekday Traffic	10,880	8,865	5,302	1,226	25,273	436
Average Weekday Traffic	9,589	7,185	4,557	1,136	22,467	354
Average Hourly AM Peak Traffic	1,518	891	565	168	3,142	N/A
Average Hourly PM Peak Traffic	1,499	963	637	154	3,253	N/A

Table 1 - Monthly Traffic Summary

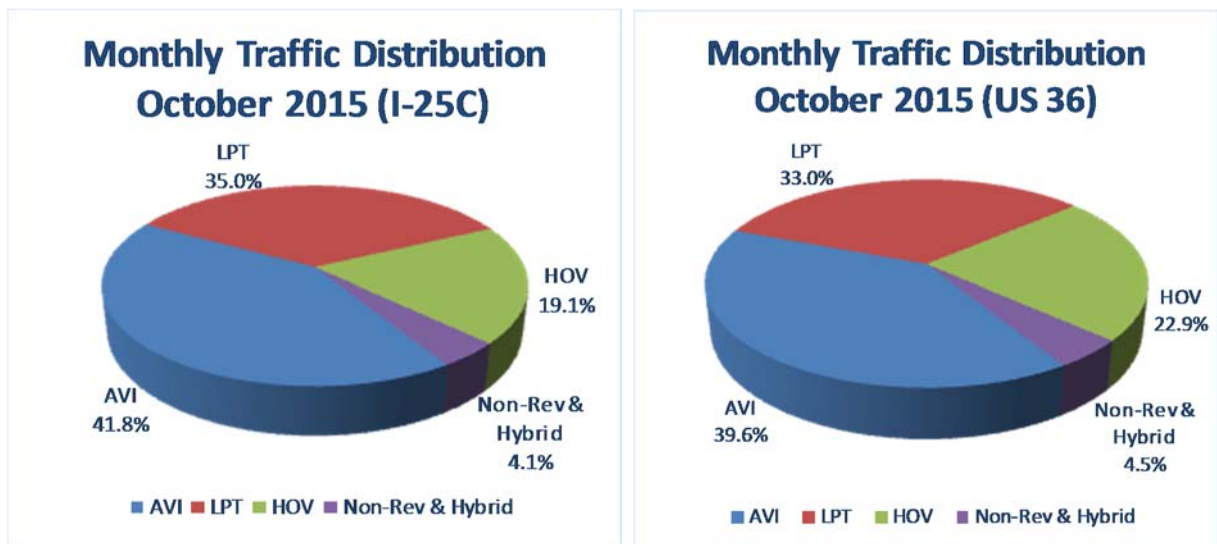
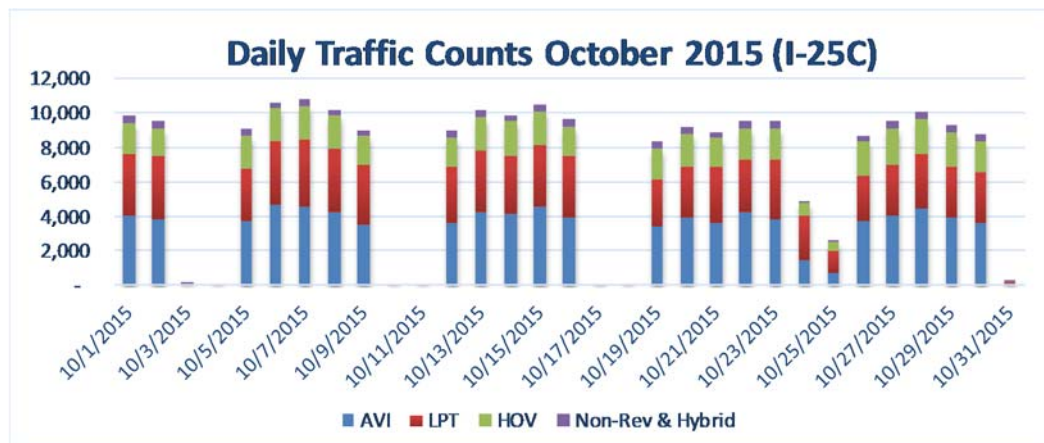


Figure 1 – Monthly Traffic Distribution



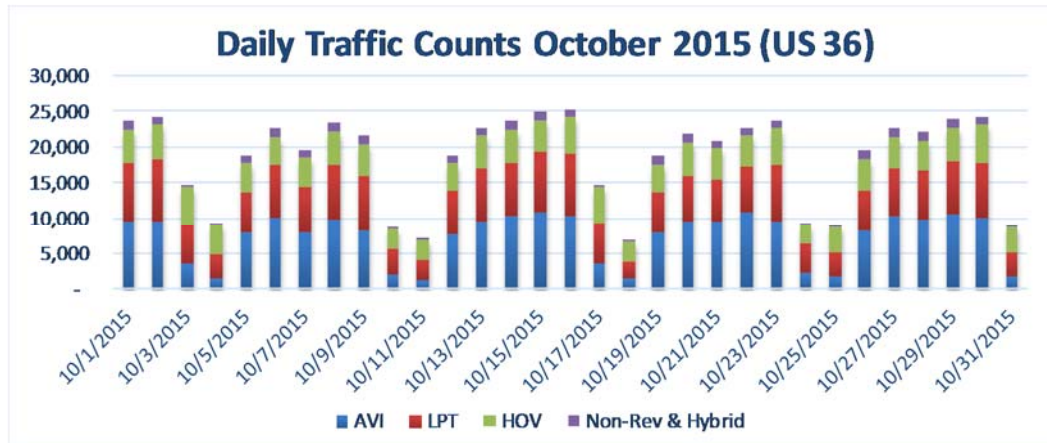


Figure 2 – Daily Traffic Counts

2.0 REVENUES

During the month of October 2015, PRD collected \$552,745 and \$222,381 from users of the I-25 Central and US 36 Managed Lanes, respectively. For 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 October but pays in January, the associated revenue is attributed to January.

3.0 OPERATIONAL INCIDENTS, ISSUES, AND CLOSURES

The project had numerous debris removals, graffiti removals, and litter removals during the month. Two routine lighting repair incidents from July were cured within the allowable response period. All incidents were responded to and rectified within the allowable timeframes except for the litter removals at Broadway, Federal, and Pecos Ramps which are still in the allowable response period. Westbound US36 was closed for two hours thirty five minutes on October 2nd at the direction of Westminster Police Department. Transfield assisted Westminster Police Department with incident response in a timely and effective manner. I-25 was also closed for four weekends to allow PRD to complete large maintenance projects as part of Initial Works.

Date	Start	Stop	Duration
July 3, 2015	12:58:00	13:39:00	0:41
July 6, 2015	05:00:00	06:30:00	1:30
October 2, 2015	10:12:00	12:47:00	2:35
Total			4:46
Remaining Closure Hours Available (Ref: CA 29.7)			7:14

Table 2 – Managed Lanes Closures to Date

The table below provides a listing of ETCS items recorded this month, consistent with Appendix 6-2 of Schedule 6.

Element Category	Reference	Element	Performance Item	PRD Notified	Contractual Cure Period	Cure Achieved
1. ETCS Equipment	1.1	Interlocken EB-“No Heartbeat” in Lane Health Report	ETCS equipment is fully functional	10/14/2015 6:01:00	14 Days	10/14/15 11:15:00 (Duration: 05:14:00)
1. ETCS Equipment	1.3	VMS 1-Lost Communications	Toll Message Sign is free from faults	10/21/2015 12:15:00	24 Hours	10/21/15 13:00:00 (Duration: 00:45:00)

Table 3 – ETCS Issues per CA Schedule 6 Appendix 6-2

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

Mean Time Between Failure (MTBF) and Mean Time To Repair (MTTR) data is provided in the table below. Only Maintained Elements that were repaired during the reporting period and had a failure type breakdown are listed in the table. We consider a breakdown to be a failure when the element cannot be used for its intended purpose until repaired.

Maintained Element	Mean Time Between Failure (MTBF) (Hours)	Mean Time To Repair (MTTR) (Hours)
None	N/A	N/A

Table 4 – Mean Time Between Failure & Mean Time To Repair

5.0 HYBRID UTILIZATION

Total Hybrid Trips	
I-25 Central	3,513
US 36	8,263

Table 5 - 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.