

FY 2014/15 – Q4  
April – June 2015  
Quarterly Report



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## Appendices

Appendix A - Transfield Quarterly Report

# INTRODUCTION

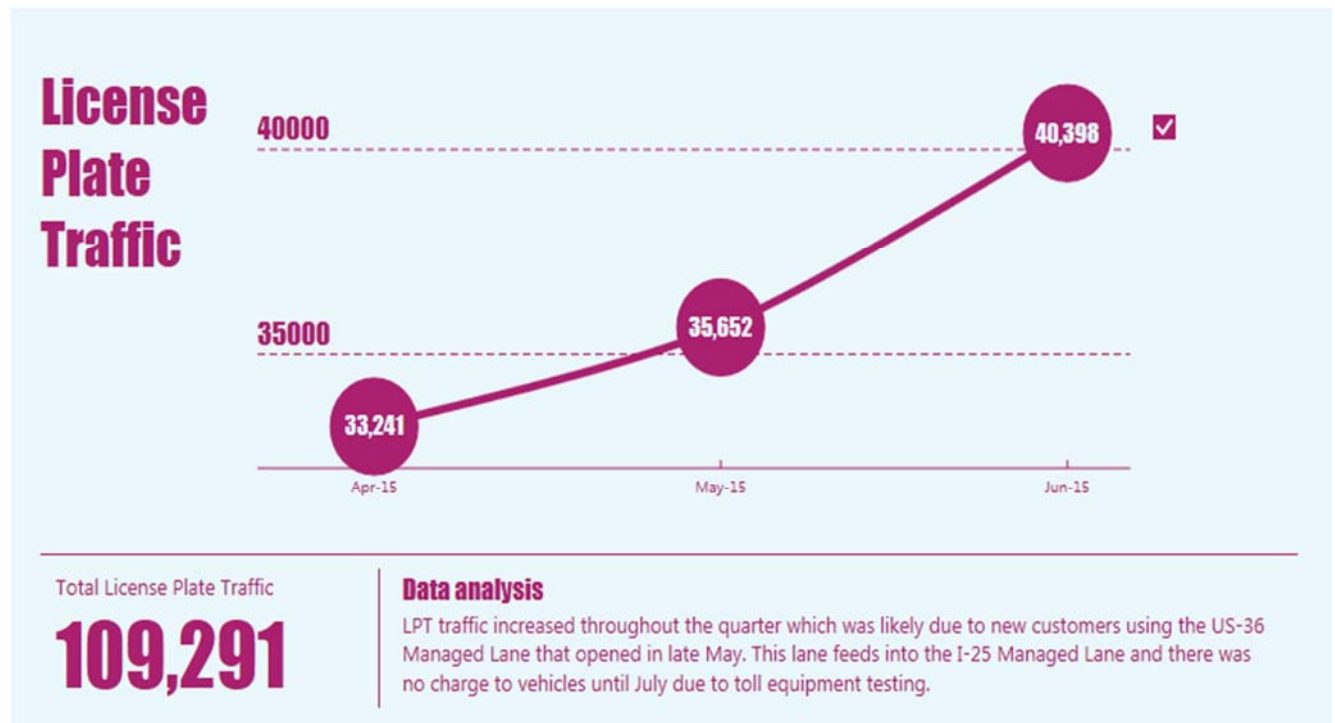
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This quarterly report draws upon data from April 1 – June 30, 2015. The purpose of the report is to provide an overview of operational performance and key events for the reporting period. This will cover items such as traffic reports, customer service levels, environmental monitoring activities and discussion of key events.

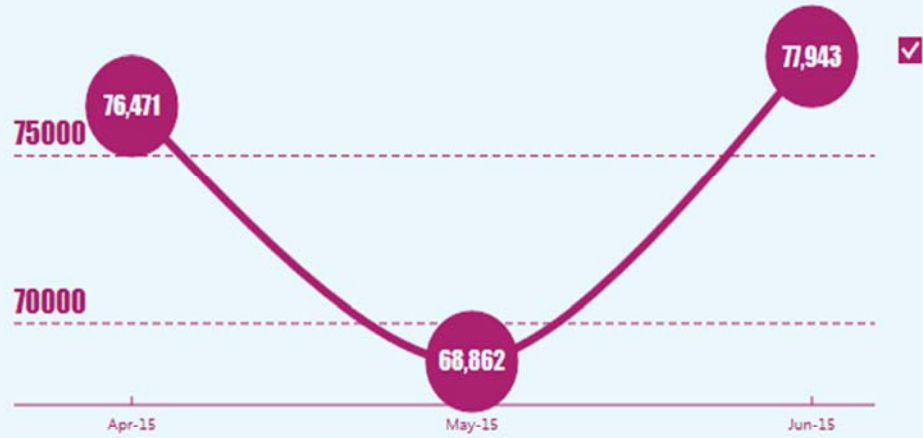
## A. SUMMARY OF MANAGED LANES TRAFFIC

Traffic volumes in this quarter are up from the prior quarter but fairly consistent prior the same quarter in 2014. The first week of April was affected by overall light traffic due to Spring Break and Easter and there was some inclement later in the month that had a negative impact. There were noticeable increases in ExpressToll™, License Plate and HOV traffic in June that was likely a result of opening the managed lanes within Phase 1 of the US-36 Managed Lanes project for testing. From the last week of May through July 21, 2015 there were no tolls being charged to vehicles on US-36 due to toll equipment testing. The eastbound US-36 Managed Lane feeds into the southbound I-25 Managed Lane so while the commuters enjoyed the free passage on US-36 it would appear that several chose to continue their trip in the I-25 Managed Lane.

Summary graphs and charts depicting the trends in traffic volume throughout the quarter are provided below.



## Express Toll Traffic



Total Express Toll Traffic

**223,276**

### Data analysis

Express Toll traffic in Q4 is consistent with the prior quarter. May volume was lower than April and June primarily due to the Memorial Day weekend which also affected Friday afternoon traffic before the holiday.

## Hybrid Traffic



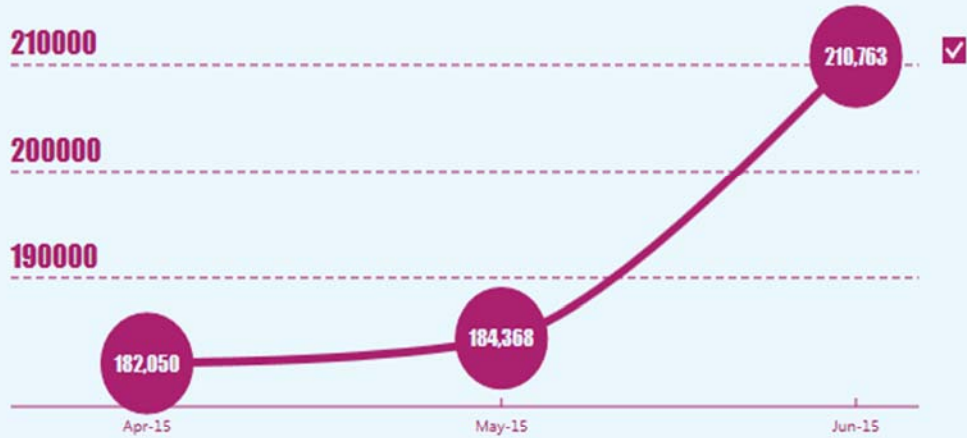
Total Hybrid Traffic

**11,200**

### Data analysis

As noted previously, Hybrid traffic generally follows the trend of total traffic and is in-line with prior quarter volume.

## HOV Traffic



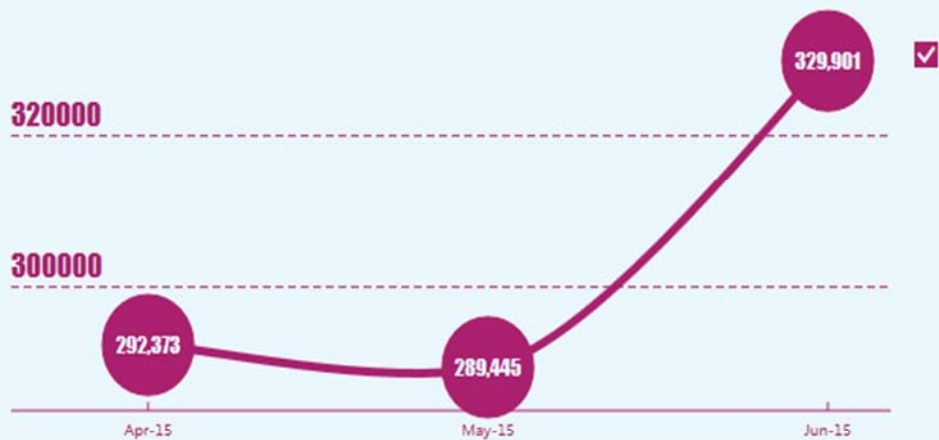
Total HOV Traffic

**577,181**

### Data analysis

HOV traffic increased throughout the quarter which is consistent with Q4 in 2014. The increase in June was likely due to summer holiday travelers, which tend to have multi-occupant vehicles, and new customers using the US-36 Managed Lane that opened in late May.

## Total Traffic

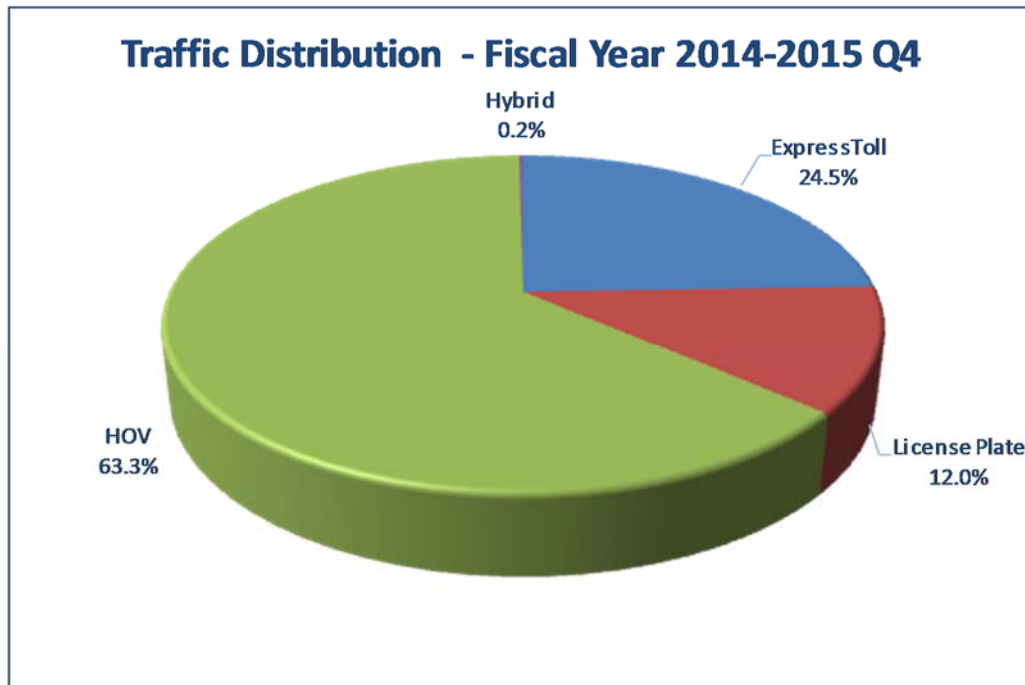


Total Traffic

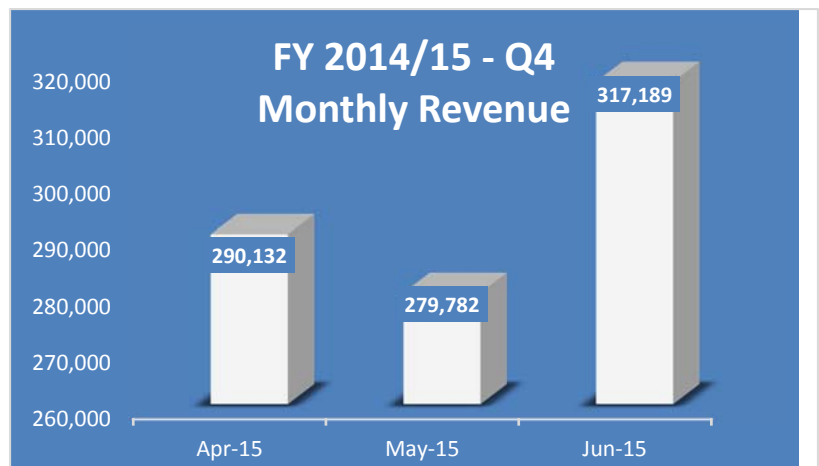
**911,719**

### Data analysis

Total traffic was mostly consistent with Q4 in 2014. The increase in June is likely attributed to new customers using the US-36 Managed Lane at no charge as noted previously.



The project collected \$887,103 in revenue from users of the Managed Lanes during the Quarter. It is important to note that this represents the amount of revenue collected during the period, and not the amount of revenue earned in the period. For example, License Plate transactions are normally paid several weeks after the journey has taken place. If a customer completes a license plate journey in June, but pays for it in July, that revenue would be included in July's report, not June's.



## B. OPERATIONAL INCIDENTS

There was one operational incident during the quarter. It was an accident at the northbound express lane entrance at I-25. Details of each incident are provided in the Transfield Services 4th Quarter Report.

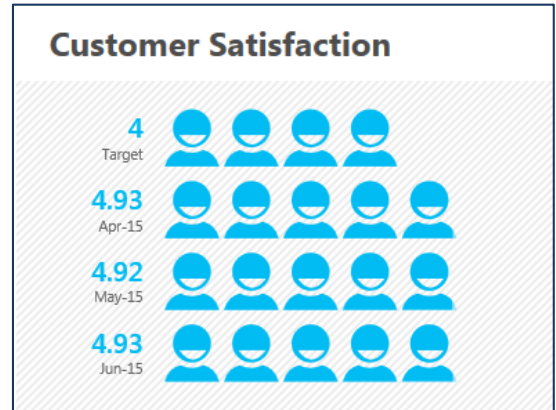
The I-25 HOV/HOT lanes were closed for scheduled maintenance on City and County of Denver lights from 10:00 PM-4:45 AM on April 14, 21, and May 12. The maintenance work was performed by Sturgeon Electric for Xcel.

**C. NON COMPLIANCE REPORTS FOR MAINTAINED ELEMENTS**

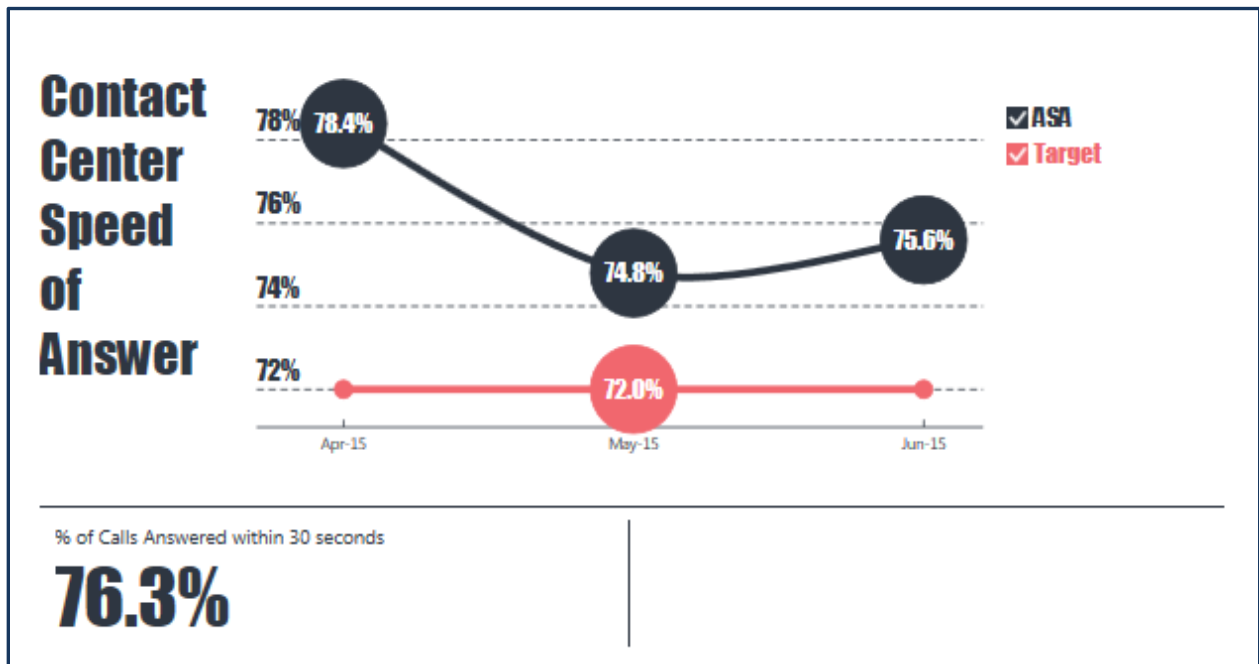
All repairs and responses related to the Performance and Measurement Criteria Table of Appendix 6-1 were made within the allowable cure time. Items that have repairs in progress are still within the allowed cure time.

**D. CUSTOMER RELATIONS ACTIVITIES**

The E-470 contact center performed at a high level during the quarter. The contact center continues to receive a high volume of calls.



As our main point of contact with our customer base, the contact center’s performance is a key aspect of the overall project. We will look to continuously improve this service over the life of the project, building upon this initial success.



#### **E. TRAFFIC REPORTS**

Hourly traffic reports are available upon request. For ease of use, this voluminous data has been excluded from the base Quarterly Report.

#### **F. QUALITY CONFORMANCE SUMMARY**

As stated previously, the handover condition of the I-25 HOV/HOT lanes has been jointly inspected and evaluated by HPTE, PRD, and Transfield and numerous Category 2 defects have been identified. However, pursuant to CA Section 22.10, these Category 2 defects will be repaired as part of the I-25 Initial Work Package and non-compliance penalties do not apply at this time. These joint inspections have replaced the Audit Inspections until the I-25 Initial Works package can be constructed. The I-25 Initial Works package construction began in late March and will continue through the end of calendar 2015. Items that are not pending the I-25 Initial Work Package are being maintained per the performance criteria listed in Appendix 6-1 of Schedule 6.

#### **G. ENVIRONMENTAL MONITORING ACTIVITIES**

No abnormal activities were observed that would have an impact on water quality, air quality, noise, wildlife, paleontology or archaeology.



## H. TIGER PERFORMANCE MEASURER

Measurement of the project’s performance against the TIGER performance criteria is scheduled to commence post-construction, per the table below.

<u>TIGER Performance Goal</u>	<u>Focus</u>	<u>Report Timing</u>
Travel Time Reliability	GP Lanes	Report post construction
	Busses	Report post construction
Improved Speeds	ML Lanes	Report post construction
	ML & GP Lanes	Report post construction
Throughput	ML & GP Lanes	Report post construction
Transit Use	Busses	Report post construction
Carpool Use	ML Lanes	Report post construction
GP Lane Speeds	GP Lanes	Report post construction
GP Lane Travel Time Reliability	GP Lanes	Report post construction
Crash Rates	ML & GP Lanes	Report post construction

The Denver Union Station TTI will be installed in July. Travel Time reporting will begin when all of the ITS equipment in Phase 1 is operational.

# Operations Quarterly Report

4<sup>th</sup> Quarter of  
Fiscal Year 2015

April - June 2015

## US 36 and I-25 Express Lanes Project



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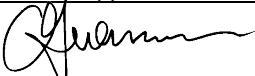
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# Operations – Quarterly Report, Q4, FY 2015

## US 36 and I-25 Express Lanes Project

Revision	Date	Approved
Rev. 0	07/18/2015	

This report titled *Operations Quarterly Report, 4<sup>th</sup> Quarter of Fiscal Year 2015* has been prepared by Transfield Services Infrastructure (TSI) for the exclusive use of Plenary Roads Denver, LLC (PRD). No other party is an intended beneficiary of this report or the information, opinions, and conclusions contained herein. Any use by any party other than PRD of any of the information, opinions, or conclusions is the sole responsibility of said party. The use of this report shall be at the sole risk of the user regardless of any fault or negligence of PRD or TSI.

The information and analyses contained herein have been completed to a level of detail commensurate with the objectives of the assignment and in light of the information made available to TSI at the time of preparation. This report and its supporting documentation have been reviewed and/or checked for conformance with industry-accepted norms. To the best of the information and belief of TSI, the information presented in this report is accurate to within the limitations specified herein.

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This Operations Quarterly Report contains the relevant information for the 4<sup>th</sup> quarter of fiscal year 2015 as required in Schedule 6, Section 1.8.2 of the Operating Contract. Transfield Services Infrastructure (TSI) continues ongoing and preventive maintenance activities for the I-25 Express Lanes Project. Typical activities include reversible lane operations, courtesy patrol, maintenance patrols, graffiti removal, trash/debris removal, snow and ice removal, and pavement repairs.

## A. Summary of Express Lanes

Intentionally deleted, please see PRD's Report Section A.

## B. Monthly Incident Reports

Below is a summary of incidents this quarter that resulted in damaged to Maintained Elements, required emergency medical services, or affected the operation of the lanes:

#	Nature of Incident	Parties Involved	Actions
1	<p>A vehicle accident on NB I-25 struck Gates 2 &amp; 3 at Gateset 3 (the NB I-25 Express Lanes entrance).</p> <p><b>Time:</b> 6:42 AM  <b>Date:</b> 5/12/2015  <b>Location:</b> I25, MP 212.1</p>	J. Montoya	<p>6:42 AM, TSI noticed a vehicle towing a trailer had struck the gates          6:45 AM, TSI on scene          7:10 AM, Courtesy Patrol on scene          6:57 AM, DPD on scene          7:32 AM, CDOT Incident Command on scene in I-25 GP Lanes          7:57 AM, Vehicle towed and incident cleared</p>

The number of incidents shown is reflective of what was either observed by TSI or was reported to TSI at the time of preparing this report. TSI has requested that Colorado State Patrol (CSP) and Denver Police Department (DPD) notify TSI of any serious incidents within the lanes. The information presented for each incident is either from accident reports or from TSI's observations. The information shown is not intended to be an official documentation of the incident but rather just to provide a briefing of qualifying occurrences as listed in the Contract.

## C. Non-Compliance Reports

All repairs and responses related to the Performance and Measurement Criteria listed in Appendix 6-1 of the Operating Contract were made within the allowed cure time. Items that have repairs in progress are still within the allowed cure time.

## D. Customer Relations Activities

Below is summary of the customer relations activities for this quarter:

#	Description	Parties Involved	Response
1	<p>A user of the I-25 Express Lanes requested an inquiry into the pavement conditions of the lanes from I-70 to 38th St.</p> <p><b>Method:</b> Email to dot_info@state.co.us  <b>Time:</b> 3:42 PM  <b>Date:</b> 6/24/2015  <b>Location:</b> I-25 Express Lanes</p>	J. Ferrer	The user was updated on the proposed paving schedule for the I-25 Express Lanes.

## E. Traffic Reports

Intentionally deleted, please see PRD's Report Section E.

## F. Quality Conformance Summary

Representatives of HPTE, TSI, and Plenary have conducted site visits of the I-25 Express Lanes throughout the quarter. During the site visits, broad visual inspections of the Maintained Elements were conducted. However, given that this portion of the project is still pending work related to the I-25 Initial Work Package, an Asset Condition Score could not be assessed. The following was concluded from the visits:

- Items pending the I-25 Initial Work Package are being maintained to the same or higher level as when the project commenced.
- Items that are not pending the I-25 Initial Work Package are being maintained per the performance criteria listed in Appendix 6-1 of the Operating Contract.

## G. Environmental Monitoring Activities

### Water

TSI observed no abnormal activities or excessive erosion in the I-25 Express Lanes that would have an impact on water quality this quarter. TSI sweeps the lanes periodically to help reduce the potential for particulate matter getting into the water.

### Air

TSI observed no abnormal activities in the I-25 Express Lanes that would have an impact on air quality this quarter. TSI sweeps the lanes periodically to help reduce the potential for particulate matter getting into the air.

### Noise

TSI observed no abnormal activities in the I-25 Express Lanes that would have an impact on noise levels this quarter. Maintenance activities typically meet the criteria for a Type III project as established in 23CFR772 and therefore no analysis for highway traffic noise impacts is necessary.

### Wildlife

TSI observed no abnormal activities in the I-25 Express Lanes that would have an impact on wildlife this quarter.

### Paleontology and Archaeology

TSI observed no abnormal activities in the I-25 Express Lanes that would have an impact on prehistoric plant, animal, or human artifacts.

## H. TIFIA Performance Measurer

Intentionally deleted, please see PRD's Report Section H.