

July 2023

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. The following data covers the month of July 2023. Operationally, July was a positive month. Several routine maintenance tasks were completed, there were minimal incidents to maintained elements, and traffic volumes were consistent with expectations.

1.0 VOLUMES AND LANE USAGE

Over the last several months as more commuters use the transponders for either ExpressToll™ (AVI) or HOV travel, License Plate (LPT) transactions have consistently decreased as a percentage of total traffic volume. The total monthly gantry traffic volume for July 2023 in the I-25 Central and US 36 Managed Lanes was 228,875 and 1,274,633 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 4:15pm – 5:45pm. 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 fourteen gantries, seven gantries in each direction. Therefore, US 36 data will indicate far greater 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 (US-36)					
	AVI	LPT	HOV	Non-Rev	Total
Total Monthly Traffic	521,188	542,145	209,398	1,902	1,274,633
Maximum Weekday Traffic	26,237	25,618	9,059	130	59,064
Average Weekday Traffic	20,733	20,762	6,804	76	48,375
Average Hourly AM Peak Traffic	2,350	2,039	598	7	4,994
Average Hourly PM Peak Traffic	3,006	2,973	851	6	6,836

Traffic Summary (I-25C)					
	AVI	LPT	HOV	Non-Rev	Total
Total Monthly Traffic	42,166	146,256	40,287	166	228,875
Maximum Weekday Traffic	2,589	7,688	1,862	13	11,989
Average Weekday Traffic	1,772	6,106	1,435	7	9,313
Average Hourly AM Peak Traffic	230	817	160	1	1,207
Average Hourly PM Peak Traffic	213	646	161	1	1,020

Table 1 – Monthly Traffic Summaries

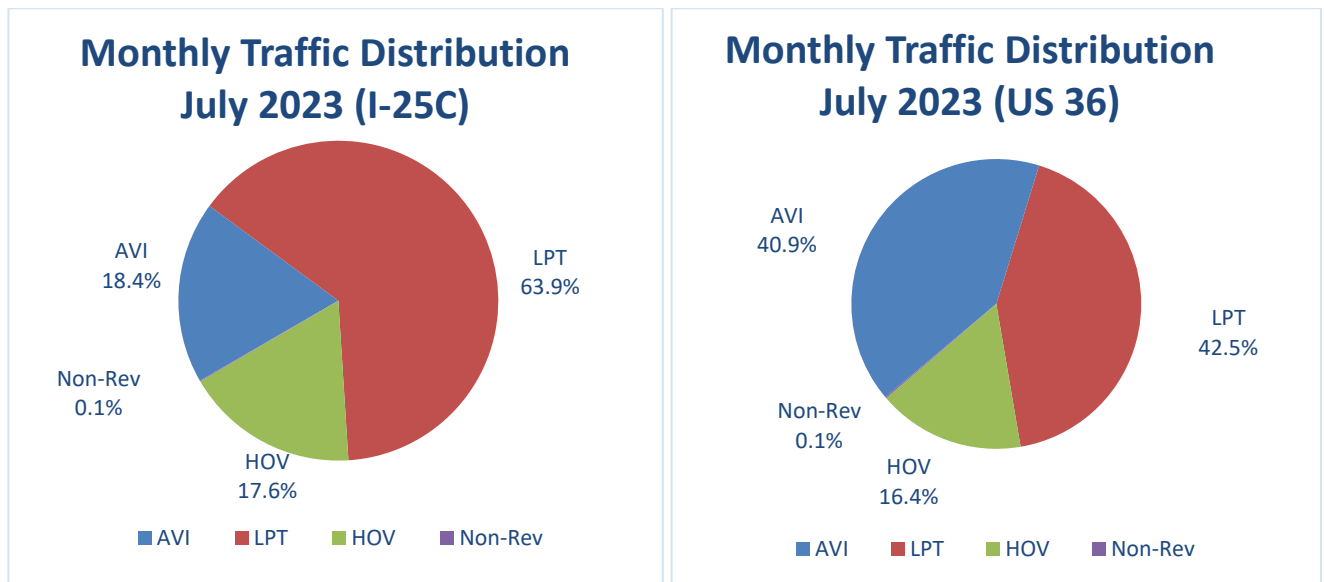
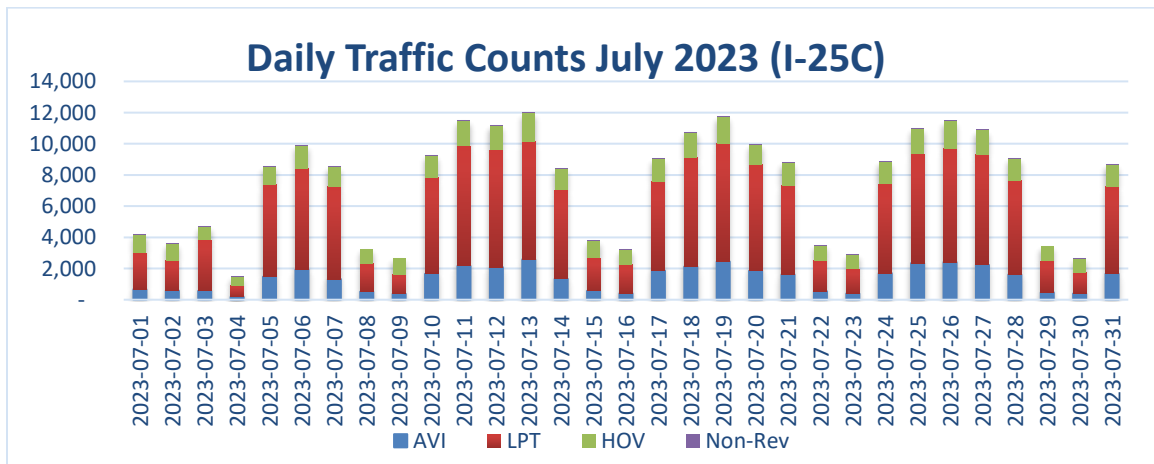


Figure 1 – Monthly Traffic Distribution



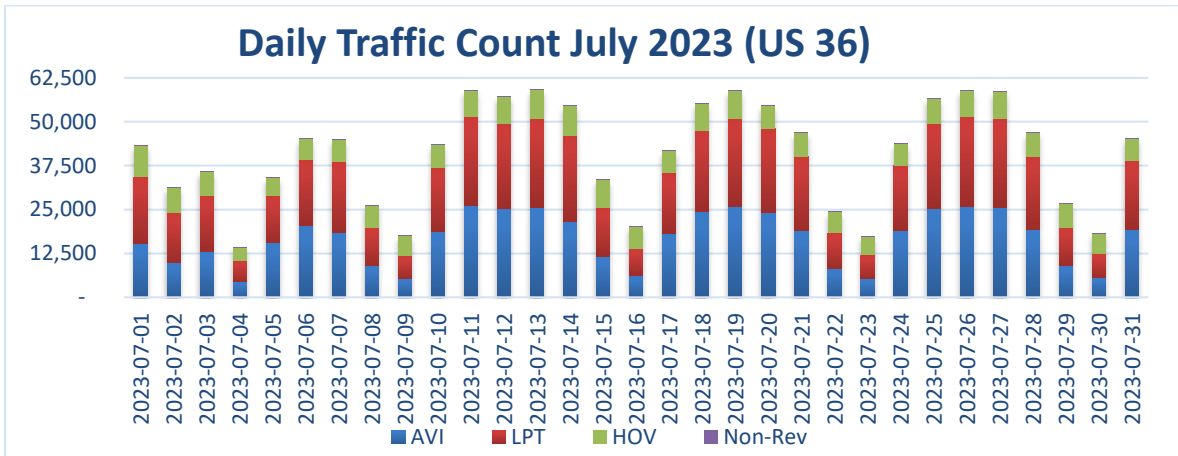


Figure 2 – Daily Traffic Counts

2.0 REVENUES

During the month of July 2023, PRD collected \$792,274 and \$991,419 from users of the I-25 Central and US36 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 routine debris removals, lighting incidents, guardrail incidents, sign incidents, and graffiti control during the month. The routine lighting, guardrail, roadway markings and sign incidents are all planned for repair within the allowable response period and several previously identified lighting incidents were repaired. All incidents were responded to and rectified within the allowable timeframes.

Date	Start	Stop	Duration
July 3, 2023	05:00	06:56	1:56
July 20, 2023	17:20	18:29	1:09
July 24, 2023	18:35	19:41	1:06
Total			4 hours 11 minutes
Remaining Closure Hours Available (Ref: CA 29.7)			0 hours 0 minutes

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 ID	Cat	Element	Performance Item	PRD Notified	Contractual Cure Period	Cure Achieved
None						

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

The table below provides a status of all Noncompliance categories in accordance with paragraph 1.2 of Schedule 10.

Non-compliance Location	Nature	Cause	Cure Date	Uncured Non-compliance Point	Unexpired Non-compliance Point	365 Day Expiration Date	1095 Day Expiration Date
None							

Table 4 – Status of Noncompliance Categories

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 5 – Mean Time Between Failure & Mean Time To Repair



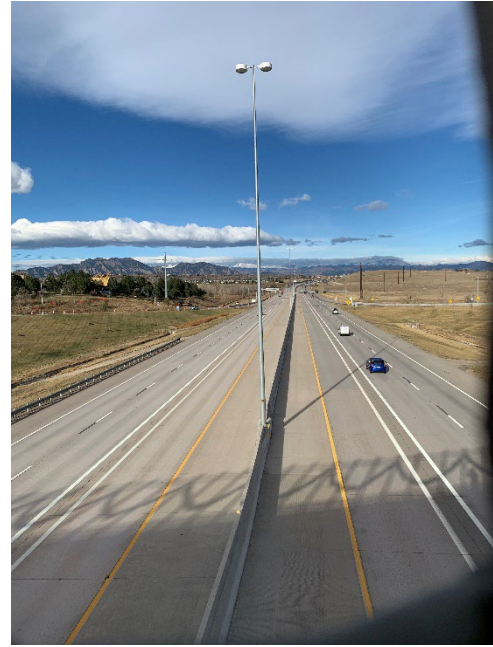
OPERATIONS AND
MAINTENANCE
MONTHLY REPORT
JULY 2023

US 36 and I-25 Express
Lanes Project

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OPERATIONS AND MAINTENANCE – MONTHLY REPORT JULY 2023 US 36 and I-25 Express Lanes Project

Revision	Date	Approved
Rev. 0	8/8/2023	<i>Nick Reinsvold</i>

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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 Webber 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 Webber, the information presented in this report is accurate to within the limitations specified herein.

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The O&M Monthly Report contains all relevant information for the month. Webber continues ongoing and preventive maintenance activities for the I-25 and US36 Managed Lanes Project.

Webber Commitment to Safety

Webber conducted weekly toolbox talk meetings during the month. The purpose of the toolbox talks is to cover important safety items that relate to the project such as near misses, “better ways” as to how safety is conducted for the Project, and discussion on safety procedures for maintenance activities. In addition to the toolbox talks, Webber conducts a weekly progress meeting. This is a forum for feedback from staff on Operations, Incident Response, and Maintenance activities.

Toolbox Talks this month included:

- Competency
- Clear Headspace
- Temperature
- Stay Focused

A. Summary of the Planned Maintenance Activities for the Upcoming Month

Webber has identified the upcoming planned maintenance activities as described in Table 1.7.1.3 of The Maintenance Management Plan. These activities include preventative and routine maintenance in order to successfully operate and maintain the Project. A listing of the planned maintenance activities for the month are included below.

Fig. A-1 Planned Maintenance Activities for the Upcoming Month

X – Indicates the day the task is planned.

P+A1:AH32e Performance Standard Identification Number (Table 6.1)	Work Activity-Description	Frequency	Aug-23																														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
			T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T
ML-1	MAINTENANCE PATROL	Daily	X	X	X	X			X	X	X	X	X			X	X	X	X	X			X	X	X	X	X			X	X	X	X
ML-1	FLEXIBLE PAVEMENT OBSERVATION / REPAIR	F-52							X						X							X								X			
ML-1	RIGID PAVEMENT OBSERVATION / REPAIR	F-52							X						X							X								X			
ML-2	DRAINAGE (INLET) OBSERVE/ CLEAN /	F-12															X																
ML-2	DRAINAGE (PIPE/CULVERT) OBSERVE	F-12															X																
ML-4	DELINATORS & MARKERS OBSERVE / CLEAN /	F-12																	X														
ML-5	GUARDRAIL, SAFETY BARRIER	F-12														X																	
ML-6	SIGN OBSERVATION / REPAIR	F-52		X							X						X								X						X		
ML-8	STREET LIGHTING OBSERVATION /REPAIR	F-52		X							X						X								X						X		
ML-8	ELECTRICAL SUPPLY INSPECTION / REPAIR	F-12																	X														
ML-8	ACCESS PANEL OBSERVATION / REPAIR	F-12										X																					
ML-10	HERBICIDE & WEED CONTROL MAINTENANCE	F-52							X							X						X							X				
ML-12	GRAFFITI OBSERVATION / REMOVAL	F-52		X							X						X								X								
ML-14	MECHANICAL ROAD SWEEPING	F-12														X																	
ML-14	LITTER OBSERVATION / REMOVAL	Daily	X	X	X	X			X	X	X	X	X			X	X	X	X	X			X	X	X	X	X			X	X	X	
ML-15	NODE BUILDING 2 MAINTENANCE	F-1							X																								
ML-15	SAND STORAGE DOME MAINTENANCE	F-1							X																								
ML-15	LIQUID STORAGE FACILITY MAINTENANCE	F-1							X																								
	REVERSIBLE LANE OPERATIONS	Daily	X	X	X	X			X	X	X	X	X			X	X	X	X	X			X	X	X	X	X			X	X	X	

Frequency of Activity:

- Daily – Daily Activity
- F-4 – Quarterly Activity
- F-52 – Weekly Activity
- F-2 – Semi-Annual Activity
- F-12 – Monthly Activity
- F-1 – Annual Activity

B. Summary of Performed and Completed Maintenance Activities

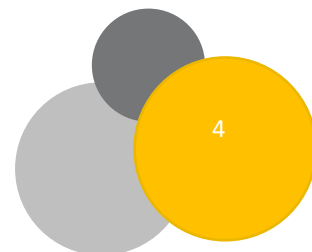


Fig. B-1 Performed and Complete Maintenance Activities for Prior Month

P+A1:AH32+A1:AH26 erformance Standard Identification Number (Table 6.1)	Work Activity- Description	Frequency	Jul-23																														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
			s	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M
ML-1	MAINTENANCE PATROL	Daily			X		X	X	X			X	X	X	X	X			X	X	X	X	X			X	X	X	X	X			X
ML-1	FLEXIBLE PAVEMENT OBSERVATION / REPAIR	F-52					X						X						X	X		X					X						
ML-1	RIGID PAVEMENT OBSERVATION / REPAIR	F-52						X					X							X							X						
ML-2	DRAINAGE (INLET) OBSERVE/ CLEAN /	F-12			X		X	X				X							X							X	X	X					
ML-2	DRAINAGE (PIPE/CULVERT) OBSERVE	F-12			X		X	X				X							X						X	X	X						
ML-4	DELINEATORS & MARKERS OBSERVE / CLEAN /	F-12					X																										
ML-5	GUARDRAIL, SAFETY BARRIER	F-12			X		X				X	X	X	X				X			X					X		X				X	
ML-6	SIGN OBSERVATION / REPAIR	F-52					X					X										X							X				
ML-8	STREET LIGHTING OBSERVATION /REPAIR	F-52					X						X							X							X						
ML-8	ELECTRICAL SUPPLY INSPECTION / REPAIR	F-12													X																		
ML-8	ACCESS PANEL OBSERVATION / REPAIR	F-12													X																		
ML-10	HERBICIDE & WEED CONTROL MAINTENANCE	F-52			X		X					X			X							X				X	X						
ML-12	GRAFFITI OBSERVATION / REMOVAL	F-52					X						X	X							X					X							
ML-14	MECHANICAL ROAD SWEEPING	F-12					X	X																									
ML-14	LITTER OBSERVATION / REMOVAL	Daily			X		X	X	X			X	X	X	X	X			X	X	X	X	X				X	X	X	X		X	
ML-15	NODE BUILDING 2 MAINTENANCE	F-1													X																		
ML-15	SAND STORAGE DOME MAINTENANCE	F-1													X																		
ML-15	LIQUID STORAGE FACILITY MAINTENANCE	F-1													X																		
	REVERSIBLE LANE OPERATIONS	Daily			X		X	X	X			X	X	X	X	X			X	X	X	X	X			X	X	X	X	X		X	

X Indicates the day of the month that the task was completed.

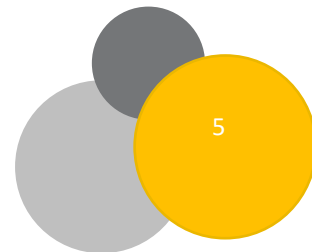


Fig. B-2 Work Accomplished This Month

102.00 - Inspections and Patrols, HR	51.0
152.00 - Flex Pavement Patch/Repair, YD2	802.0
152.10 - Rigid Pavement Patch/Repairs, YD2	243.0
163.00 - Rebuild Unpaved Surface/Shldr, HR	43.0
202.00 - Drain Structure Clean Repair Replace, EA	51.0
218.00 - Litter and Trash Clean up, HR	17.0
218.98 - Graffiti, LF	9.0
218.99 - Roadway Hazard Debris, EA	21.0
220.00 - Sweeping - Machine, MI	42.0
252.00 - Vegetation Control - Dry Land, HR	10.0
256.00 - Veg Control Herbicide Pesticide Appl., HR	55.0
302.00 - Single Sign Post Install Maintain Replace, EA	3.0
304.00 - Delineator Post Install Maintain Replace, EA	297.8
312.00 - Roadway Sign Lighting, EA	5.0
316.00 - Energy Attenuator Maint, FT	311.0
329.00 - Courtesy Patrol, HR	1260.0
329.98 - CTMC, HR	16.0
360.00 - Metal Guard Rail Install Maintain Replace, EA	12.0
402.99 - Stockpiling Salt Making Brine Washing Trucks Prestorm Check, HR	10.0
460.00 - Building Grounds, HR	68.0
701.00 - Equipment Repair by Crews, HR	84.5
701.00 - Heavy Equipment, HR	29.0

C. Summary of Planned Maintenance that was Not Completed for the Month

Webber completed all scheduled maintenance activities for the month. Frequencies and/or actual date of the month of some activities may have been adjusted based on actual conditions.

D. Summary of the Maintenance Activities and Results Performed for the Month Beyond Planned Maintenance

A summary of unplanned maintenance activities provided below: None

Snow and Ice Control: None

Hazardous Materials Incidents: None

E. Operating Contractor’s Incident Response Logs Related to Maintenance Activities

This section provides a summary of Webber performance related to the Performance and Measurement Criteria listed in Appendix 6-1.1 of the Operating Contract.

The table below provides a listing of items recorded this month:

	Description	Location	Notified	Response to Defects		
				Category 1		Category 2
				Hazard Mitigation	Permanent Remedy	Permanent Repair
GP5.2	ATTENUATOR (Impact Damage)	MP 56.1 EB	02/19/2023 16:48:00	N/A	N/A	Reqd: 6 Months Respd: 07/11/2023 Actual: 4.74 Months
GP9.1	DESIGN (Fence Down)	MP 51.2 WB	04/21/2023 20:34:00	N/A	N/A	Reqd: 6 Months Respd: 0 Actual: In Progress
GP5.1	GUARDRAIL (Impact Damage)	MP 48.8 EB	05/15/2023 12:00:00	N/A	N/A	Reqd: 6 Months Respd: 07/11/2023 22:0 Actual: 1.91 Months
GP5.1	GUARDRAIL (Impact Damage)	MP 55.8 WB	05/25/2023 00:57:00	N/A	N/A	Reqd: 6 Months Respd: 07/10/2023 22:0 Actual: 1.56 Months
GP5.1	GUARDRAIL (Impact Damage)	MP 39.7 EB	05/27/2023 09:45:00	N/A	N/A	Reqd: 6 Months Respd: 07/12/2023 22:0 Actual: 1.55 Months
GP5.2	ATTENUATOR (Impact Damage)	MP 55.0 WB	06/25/2023 13:00:00	N/A	N/A	Reqd: 6 Months Respd: 0 Actual: In Progress
GP1.1	LITTER (Plywood Removed From Shoulder)	MP 53.4 EB	07/03/2023 16:48:00	N/A	N/A	Reqd: 28 Days Respd: 07/03/2023 Actual: 0.01 Days
GP3.3	CULVERTS (Drains)	MP 43.1 WB,EB	07/05/2023 14:00:00	N/A	N/A	Reqd: 6 Months Respd: 07/05/2023 Actual: 0.01 Months
GP1.1	LITTER (Trash Bag Removed From Shoulder)	MP 41 WB	07/05/2023 13:27:00	N/A	N/A	Reqd: 28 Days Respd: 07/05/2023 Actual: 0.03 Days
GP3.3	CULVERTS (Drains)	MP 45.7 EB	07/06/2023 15:32:00	N/A	N/A	Reqd: 6 Months Respd: 07/13/2023 Actual: 0.21 Months
GP12.1	GRAFFITI	MP 45.8 EB	07/06/2023 15:38:00	N/A	Reqd: 10 Days Respd: 07/12/2023 Actual: 6.30 Days	N/A
GP1.1	DEBRIS (Debris Removed From Roadway)	MP 50.7 WB	07/06/2023 15:50:00	Reqd: 1 Hours Respd: 07/06/2023 Actual: 0.66 Hours	N/A	N/A
GP6.1	SIGN (Sign Down)	MP 48.2 WB	07/07/2023 13:00:00	N/A	N/A	Reqd: 6 Months Respd: 07/11/2023 Actual: 0.13 Months
GP1.1	DEBRIS (Debris Removed From Roadway)	MP 45.0 WB	07/07/2023 12:43:00	Reqd: 1 Hours Respd: 07/07/2023 Actual: 0.53 Hours	N/A	N/A
GP5.1	GUARDRAIL (Impact Damage)	MP 39.2 WB	07/10/2023 11:30:00	N/A	N/A	Reqd: 6 Months Respd: 07/13/2023 Actual: 0.10 Months
GP5.1	GUARDRAIL (Impact Damage)	MP 42.8 EB	07/11/2023 12:00:00	N/A	N/A	Reqd: 6 Months Respd: 07/13/2023 Actual: 0.07 Months
GP1.1	DEBRIS (Debris Removed From Roadway)	MP 45.6 EB	07/12/2023 17:25:00	Reqd: 1 Hours Respd: 07/12/2023 Actual: 0.28 Hours	N/A	N/A
GP5.2	ATTENUATOR (Impact Damage)	MP 57.0 EB	07/13/2023 13:00:00	N/A	N/A	Reqd: 6 Months Respd: 0 Actual: In Progress
GP5.1	GUARDRAIL (Impact Damage)	MP 42.62 EB	07/13/2023 19:46:00	N/A	N/A	Reqd: 6 Months Respd: 0 Actual: In Progress
GP12.1	GRAFFITI	MP 56.9 EB	07/13/2023 13:00:00	N/A	Reqd: 10 Days Respd: 07/13/2023 Actual: 0.04 Days	N/A

GP1.1	DEBRIS (Bicycle Removed From Roadway)	MP 44.0 WB	07/17/2023 23:05:00	Reqd: 1 Hours Respd: 07/17/2023 Actual: 0.75 Hours	N/A	N/A
GP1.1	DEBRIS (Trash Can Removed From Roadway)	MP 55.2 WB	07/17/2023 13:22:00	Reqd: 1 Hours Respd: 07/17/2023 Actual: 0.25 Hours	N/A	N/A
GP1.1	DEBRIS (Trash Can Removed From Roadway)	MP 56.9 EB	07/18/2023 21:15:00	Reqd: 1 Hours Respd: 07/18/2023 Actual: 0.50 Hours	N/A	N/A
GP5.2	ATTENUATOR (Impact Damage)	MP 57.1 WB	07/20/2023 20:00:00	N/A	N/A	Reqd: 6 Months Respd: 0 Actual: In Progress
GP6.1	SIGN (Sign Down)	MP 52.6 WB	07/21/2023 15:41:00	N/A	N/A	Reqd: 6 Months Respd: 0 Actual: In Progress
GP6.1	SIGN (Sign Down)	MP 45.7 WB	07/21/2023 16:48:00	N/A	N/A	Reqd: 6 Months Respd: 0 Actual: In Progress
GP1.1	DEBRIS (Ladder Removed From Roadway)	MP 51.0 WB	07/24/2023 16:20:00	Reqd: 1 Hours Respd: 07/24/2023 Actual: 0.58 Hours	N/A	N/A
GP1.1	DEBRIS (Debris Removed From Roadway)	MP 45.8 EB	07/24/2023 17:07:00	Reqd: 1 Hours Respd: 07/24/2023 Actual: 0.53 Hours	N/A	N/A
GP6.1	SIGN (Sign Down)	MP 48.2 WB	07/27/2023 12:21:00	N/A	N/A	Reqd: 6 Months Respd: 0 Actual: In Progress
GP5.1	GUARDRAIL (Impact Damage)	MP 45.3 WB	07/27/2023 12:00:00	N/A	N/A	Reqd: 6 Months Respd: 0 Actual: In Progress
GP1.1	DEBRIS (Tarp Removed From Roadway)	MP 43.1 EB	07/27/2023 13:30:00	Reqd: 1 Hours Respd: 07/27/2023 Actual: 0.68 Hours	N/A	N/A

All items were completed within the required response time. Items that are *In Progress* are still within the allowed response time.

F. Detailed Results of All Inspections, Assessments, and Testing Activities

During this reporting period there were no special inspections, assessments, or testing results outside normal operating condition.

G. Monthly Toll System Performance Reports

Toll system operated within proposed parameters per Webber observations.

H. Preventative Maintenance Plan and Progress

Preventative Maintenance work is contingent on Initial Works Package implementation.

I, J. Mean Time between Failure (MTBF), Mean Time to Repair (MTTR)

No Maintained Elements experienced a failure type breakdown this month. Webber considers a breakdown to be a failure when the element cannot be used for its intended purpose until repaired.