# September 2023 Monthly Operations Report



PRESS US EXPRESS 1-25

**Plenary** Roads



E)



## **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)	7

#### TABLES

Table 1 – Monthly Traffic Summaries	4
Table 2 – Managed Lanes Closures to Date	6
Table 3 – ETCS Issues per CA Schedule 6 Appendix 6-2	6
Table 4 - Status of Noncompliance Categories	7
	_
Table 5 – Mean Time Between Failure & Mean Time To Repair	/

### 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 September 2023. Operationally, September 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<sup>™</sup> (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 September 2023 in the I-25 Central and US 36 Managed Lanes was 244,406 and 1,421,481 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.

	Traffic	Summary	(US-36)		
	AVI	LPT	HOV	Non-Rev	Total
Total Monthly Traffic	592,546	602,050	224,508	2,377	1,421,481
Maximum Weekday Traffic	28,554	29,045	12,942	161	64,698
Average Weekday Traffic	23,377	22,766	7,107	98	53,348
Average Hourly AM Peak Traffic	2,875	2,483	704	8	6,070
Average Hourly PM Peak Traffic	3,237	3,189	920	5	7,351

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	ноу	Non-Rev	Total								
Total Manthly Troffia	0000		-										
Total Monthly Traffic	50,581	150,182	43,417	226	244,406								
Maximum Weekday Traffic	2,907	8,202	1,963	18	12,739								
Average Weekday Traffic	2,204	6,349	1,651	10	10,204								
Average Hourly AM Peak Traffic	330	894	217	1	1,441								
Average Hourly PM Peak Traffic	240	630	183	2	1,053								

Table 1 – Monthly Traffic Summaries

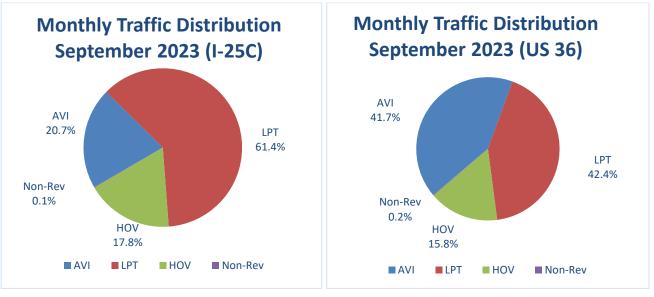
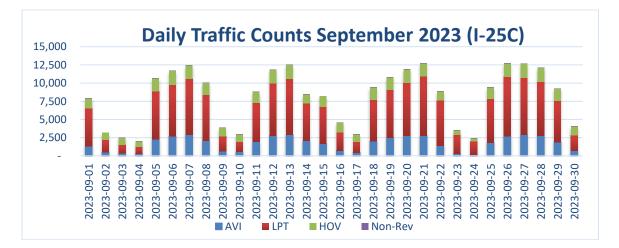
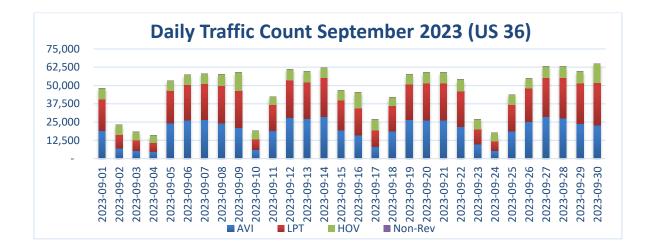


Figure 1 – Monthly Traffic Distribution







#### Figure 2 – Daily Traffic Counts

#### 2.0 REVENUES

During the month of September 2023, PRD collected \$891,623 and \$1,172,275 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
August 3, 2023	16:08	16:47	0:39
August 7, 2023	05:53	06:47	0:54
August 8, 2023	17:53	18:32	0:39
August 10, 2023	08:26	09:36	1:10



August 16, 2023	14:48	15:10	0:22
August 22, 2023	16:23	17:25	1:02
August 23, 2023	13:03	13:48	0:45
August 24, 203	18:32	19:25	0:53
August 29, 2023	08:25	09:14	0:49
August 30, 2023	07:40	08:15	0:35
August 31, 2023	07:34	08:27	0:53
September 19, 2023	08:05	10:00	1:55
September 19, 2023	18:23	18:50	0:37
September 21, 2023	17:33	18:58	1:25
September 21, 2023	18:35	18:59	0:24
September 29, 2023	07:41	08:06	0:25
September 29, 2023	09:29	10:16	0:47
September 29, 2023	14:50	16:43	1:53
September 29, 2023	18:07	19:00	0:53
Total			12 hours 30 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





## PERATIONS AND MAINTENANCE MONTHLY REPORT SEPTEMBER 2023

US 36 and I-25 Express Lanes Project



Prepared for:

Plenary Roads Denver, LLC 1700 Lincoln Street, Suite 3000 Denver, CO 80203

Attention: Mr. Christian Guevara, PE

Prepared By: Webber 10525 West 120<sup>th</sup> Avenue Broomfield, CO 80021 United States of America

> Nick Reinsvold Project Manager





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

Revision	Date	Approved
Rev. 0	10/3/2023	Nick Reinsvold

This report titled *Operations and Maintenance Monthly Report, September 2023* has been prepared by Webber 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 Webber.

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.

This report is Webber pdf file: OM Monthly Report SEPTEMBER 2023.pdf. Any reproductions or modifications of this report are uncontrolled and may not be the most recent revision.







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:

- Watch Where You Walk
- Seatbelts and Speed
- Temporary Traffic Control and MOT
- Unusual and Aggressive Behavior

#### 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:AH32+A1:A H32erformance Standard Identification	Work Activity- Description	Frequency																Oct	-23															
Number (Table	Description		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	
6.1)			S	М	Т	w	Т	F	S	S	М	Т	w	т	F	S	S	М	т	w	Т	F	S	S	М	т	W	Т	F	S	S	М	Т	
ML-1	MAINTENANCE PATROL	Daily		x	x	x	x	x			х	х	х	х	x			х	x	х	x	х			х	х	x	х	х			х	x	
ML-1	FLEXIBLE PAVEMENT OBSERVATION / REPAIR	F-52			x							х							x							х								
ML-1	RIGID PAVEMENT OBSERVATION / REPAIR	F-52			x							х							x							х								
ML-2	DRAINAGE (INLET) OBSERVE/ CLEAN /	F-12																			x													
ML-2	DRAINAGE (PIPE/CULVERT) OBSERVE	F-12																		x														
ML-4	DELINEATORS & MARKERS OBSERVE / CLEAN /	F-12																			x													
ML-5	GUARDRAIL, SAFETY BARRIER	F-12																		х														
ML-6	SIGN OBSERVATION / REPAIR	F-52					x							х							x							х						
ML-8	STREET LIGHTING OBSERVATION /REPAIR	F-52					x							х							x							x						
ML-8	ELECTRICAL SUPPLY INSPECTION / REPAIR	F-12													x																			
ML-8	ACCESS PANEL OBSERVATION / REPAIR	F-12											х																					
ML-10	HERBICIDE & WEED CONTROL MAINTENANCE	F-52			x							х							x							х								
ML-12	GRAFFITI OBSERVATION / REMOVAL	F-52						х							х							x							x					
ML-14	MECHANICAL ROAD	F-12																х	x	x	x													
ML-14	LITTER OBSERVATION / REMOVAL	Daily		x	x	x	x	x			х	х	х	х	х			х	х	х	x	х			х	х	x	х	х			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			х	x	х	х	х			x	x	x	x	x			х	х	x	х	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



P+A1:AH32+A1:AH26 erformance Standard	Work Activity-	Work Activity- Description	Frequency		Sep-23																											
Identification	Description		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
Number (Table 6.1)			F	S	S	м	т	w	т	F	s	s	М	Т	w	т	F	S	S	м	т	w	Т	F	S	S	М	Т	w	Т	F	S
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			
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	DELINEATORS & MARKERS OBSERVE / CLEAN /	F-12																						x			x	x	x		x	
ML-5	GUARDRAIL, SAFETY BARRIER	F-12												x																		
ML-6	SIGN OBSERVATION / REPAIR	F-52							x	x			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	x			x	x	x	x	x	
ML-12	GRAFFITI OBSERVATION / REMOVAL	F-52	x					x	x					x	x							x					x					
ML-14	MECHANICAL ROAD	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	
ML-15	NODE BUILDING 2 MAINTENANCE	F-1														x																
ML-15	SAND STORAGE DOME	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	

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

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

webber

infra





#### Fig. B-2 Work Accomplished This Month

102.00 - Inspections and Patrols, HR	64.0
152.00 - Flex Pavement Patch/Repair, YD2	9.0
152.10 - Rigid Pavement Patch/Repairs, YD2	21.5
216.00 - Fence Gate Cattleguard Clean Maint, LF	1090.0
218.00 - Litter and Trash Clean up, HR	246.0
218.98 - Graffiti, LF	612.0
218.99 - Roadway Hazard Debris, EA	19.0
220.00 - Sweeping - Machine, MI	307.0
252.00 - Vegetation Control - Dry Land, HR	199.0
254.00 - Veg Control - Hand Mowing trim weeding, HR	6.0
256.00 - Veg Control Herbicide Pesticide Appl., HR	9.0
302.00 - Single Sign Post Install Maintain Replace, EA	9.0
303.00 - Multi Sign Post Install Maintain Replace, EA	5.0
304.00 - Delineator Post Install Maintain Replace, EA	362.0
314.97 - Traffic Toll Operation, HR	4.0
329.00 - Courtesy Patrol, HR	228.5
329.98 - CTMC, HR	323.5
460.00 - Building Grounds, HR	23.0
701.00 - Equipment Repair by Crews, HR	228.0
701.00 - Heavy Equipment, HR	77.5

#### 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							
				Cate	Category 2						
				Hazard Mitigation	Permanent Remedy	Permanent Repair					
GP9.2	FENCE (Fence Down)	MP 51.2 WB	04/21/2023 20:34:00	N/A	N/A	Reqd: 6 Months Respd: 09/05/2023 Actual: 4.56 Months					
GP5.1	GUARDRAIL (Impact Damage)	MP 45.33 WB	07/27/2023 12:00:00	N/A	N/A	Reqd: 6 Months Respd: In Progress Actual: N/A					
GP9.2	FENCE (Fence Down)	MP 50.65 WB	07/28/2023 11:57:00	N/A	N/A	Reqd: 6 Months Respd: 09/07/2023 Actual: 1.37 Months					
GP6.1	SIGN (Sign Bent)	MP 52.6 WB	08/01/2023 16:29:00	N/A	N/A	Reqd: 6 Months Respd: 09/22/2023 Actual: 1.71 Months					
GP8.2	LIGHTING (Light Out)	MP 55.3 EB	08/07/2023 16:48:00	N/A	N/A	Reqd: 6 Months Respd: In Progress Actual: N/A					
GP5.1	GUARDRAIL (Impact Damage)	MP 48.9 EB	08/23/2023 16:42:00	N/A	N/A	Reqd: 6 Months Respd: In Progress Actual: N/A					
GP12.1	GRAFFITI	MP 56.7 EB	08/31/2023 20:32:00	N/A	Reqd: 10 Days Respd: 09/01/2023 Actual: 0.22 Days	N/A					
GP1.1	DEBRIS (Branch Removed From Lane)	MP 53.6 WB	09/01/2023 15:40:00	Reqd: 1 Hours Respd: 09/01/2023 Actual: 0.39 Hours	N/A	N/A					
GP6.1	SIGN (Exit Sign Down)	MP 39.0 EB	09/05/2023 12:15:00	N/A	N/A	Reqd: 6 Months Respd: 09/08/2023 Actual: 0.10 Months					
GP1.8	SHOULDERS (Shoulder Drop)	MP 41.0 EB	09/06/2023 20:21:00	N/A	N/A	Reqd: 6 Months Respd: In Progress Actual: N/A					
GP5.1	GUARDRAIL (Impact Damage)	MP 53.9 EB	09/06/2023 20:28:00	N/A	N/A	Reqd: 6 Months Respd: In Progress Actual: N/A					
GP1.1	DEBRIS (Carpet Removed From Lane)	MP 54.2 EB	09/06/2023 17:54:00	Reqd: 1 Hours Respd: 09/06/2023 Actual: 0.60 Hours	N/A	N/A					
GP12.1	GRAFFITI	MP 56.9 WB	09/06/2023 17:03:00	N/A	Reqd: 10 Days Respd: 09/06/2023 Actual: 0.24 Days	N/A					
GP12.1	GRAFFITI	MP 52.9 EB	09/06/2023 17:09:00	N/A	Reqd: 10 Days Respd: 09/07/2023 Actual: 0.68 Days	N/A					
GP12.1	GRAFFITI	MP 53.7 EB	09/06/2023 17:13:00	N/A	Reqd: 10 Days Respd: 09/07/2023 Actual: 0.36 Days	N/A					
GP12.1	GRAFFITI	MP 53.8 EB	09/06/2023 17:16:00	N/A	Reqd: 10 Days Respd: 09/07/2023 Actual: 0.28 Days	N/A					
GP12.1	GRAFFITI	MP 53.7 EB	09/06/2023 17:18:00	N/A	Reqd: 10 Days Respd: 09/07/2023 Actual: 0.32 Days	N/A					
GP12.1	GRAFFITI	MP 53.5 EB	09/06/2023 17:23:00	N/A	Reqd: 10 Days Respd: 09/07/2023 Actual: 0.44 Days	N/A					
GP12.1	GRAFFITI	MP 53.6 EB	09/06/2023 17:30:00	N/A	Reqd: 10 Days Respd: 09/07/2023 Actual: 0.39 Days	N/A					
GP12.1	GRAFFITI	MP 53.1 EB	09/07/2023 17:07:00	N/A	Reqd: 10 Days Respd: 09/07/2023 Actual: 0.32 Days	N/A					



## webber infra

GP12.1	GRAFFITI	MP 53.5 EB	09/07/2023 17:11:00	N/A	Reqd: 10 Days Respd: 09/07/2023 Actual: 0.42 Days	N/A
GP12.1	GRAFFITI	MP 53.4 EB	09/07/2023 17:15:00	N/A	Reqd: 10 Days Respd: 09/07/2023 Actual: 0.38 Days	N/A
GP12.1	GRAFFITI	MP 53.0 EB	09/07/2023 20:16:00	N/A	Reqd: 10 Days Respd: 09/07/2023 Actual: 0.29 Days	N/A
GP12.1	GRAFFITI	MP 53.3 EB	09/07/2023 20:17:00	N/A	Reqd: 10 Days Respd: 09/07/2023 Actual: 0.47 Days	N/A
GP12.1	GRAFFITI	MP 50.2 WB	09/07/2023 20:19:00	N/A	Reqd: 10 Days Respd: 09/07/2023 Actual: 0.32 Days	N/A
GP6.1	SIGN (Sign Down)	MP 43.2 EB	09/07/2023 22:30:00	N/A	N/A	Reqd: 6 Months Respd: 09/12/2023 Actual: 0.16 Months
GP6.1	SIGN (Sign Turned)	MP 49.5 WB	09/11/2023 19:00:00	N/A	N/A	Reqd: 6 Months Respd: 09/11/2023 Actual: 0.25 Months
GP6.1	SIGN (Sign Turned)	MP 49.4 WB	09/11/2023 16:39:00	N/A	N/A	Reqd: 6 Months Respd: 09/11/2023 Actual: 0.32 Months
GP6.1	SIGN (Sign Down)	MP 45.7 WB	09/12/2023 13:39:00	N/A	N/A	Reqd: 6 Months Respd: 09/12/2023 Actual: 0.16 Months
GP6.1	SIGN (Sign Down)	MP 216.6 SB	09/12/2023 16:56:00	N/A	N/A	Reqd: 6 Months Respd: 09/11/2023 Actual: 0.32 Months
GP12.1	GRAFFITI	MP 53.4 EB	09/13/2023 21:13:00	N/A	Reqd: 10 Days Respd: 09/14/2023 Actual: 0.28 Days	N/A
GP12.1	GRAFFITI	MP 53.8 EB	09/13/2023 21:15:00	N/A	Reqd: 10 Days Respd: 09/14/2023 Actual: 0.28 Days	N/A
GP6.1	SIGN (Debris Removed From Sign)	MP 56.8 WB	09/20/2023 20:12:00	N/A	N/A	Reqd: 6 Months Respd: 09/21/2023 Actual: 0.62 Months
GP12.1	GRAFFITI	MP 56.9 EB	09/20/2023 20:14:00	N/A	Reqd: 10 Days Respd: 09/20/2023 Actual: 0.12 Days	N/A
GP6.1	SIGN (Vegitation Removed From Sign)	MP 42.4 EB	09/20/2023 20:16:00	N/A	N/A	Reqd: 6 Months Respd: 09/21/2023 Actual: 0.07 Months
GP6.1	SIGN (Sign Bent)	MP 52.2 EB	09/20/2023 20:20:00	N/A	N/A	Reqd: 6 Months Respd: 09/21/2023 Actual: 0.01 Months
GP1.1	DEBRIS (Branch Removed From Lane)	MP 55.7 EB	09/26/2023 13:07:00	Reqd: 1 Hours Respd: 09/26/2023 Actual: 0.24 Hours	N/A	N/A
GP1.1	DEBRIS (Bumper Removed From Lane)	MP 55.7 EB	09/27/2023 18:25:00	Reqd: 1 Hours Respd: 09/27/2023 Actual: 0.16 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 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.