July 2018 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 Summaries	.4
Table 2 – Managed Lanes Closures to Date	
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 Table 6 – Hybrid Utilization	

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 July 2018. 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 2018 in the I-25 Central and US 36 Managed Lanes was 285,829 and 1,467,968, 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.

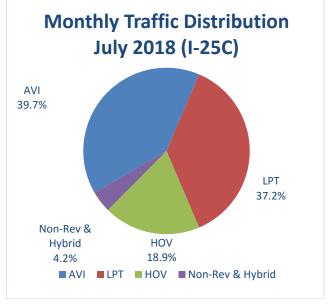
Traffic Summary (US 36)								
AVI LPT HOV Hybrid Total Hy								
Total Monthly Traffic	817,041	377,986	232,807	40,134	1,467,968	4,191		
Maximum Weekday Traffic	41,368	20,560	10,407	1,980	70,182	232		
Average Weekday Traffic	34,284	15,192	8,033	1,714	59,223	170		
Average Hourly AM Peak Traffic	4,709	1,679	777	212	7,377	N/A		
Average Hourly PM Peak Traffic	5,420	2,308	1,050	224	9,002	N/A		

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	113,543	106,334	53 <i>,</i> 882	12,070	285,829	1,184			
Maximum Weekday Traffic	5,890	5,275	2,356	580	14,034	68			
Average Weekday Traffic	4,799	4,379	2,045	513	11,223	51			
Average Hourly AM Peak Traffic	627	541	259	72	1,427	N/A			
Average Hourly PM Peak Traffic	604	526	248	71	1,378	N/A			

Table 1 – Monthly Traffic Summaries

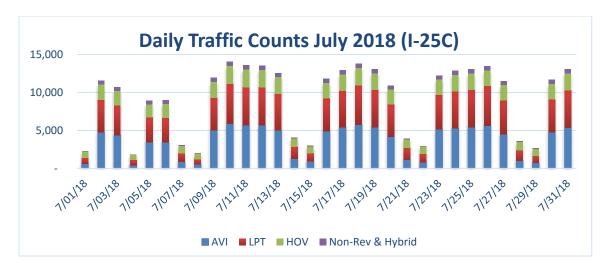


Monthly Traffic Distribution July 2018 (US 36)

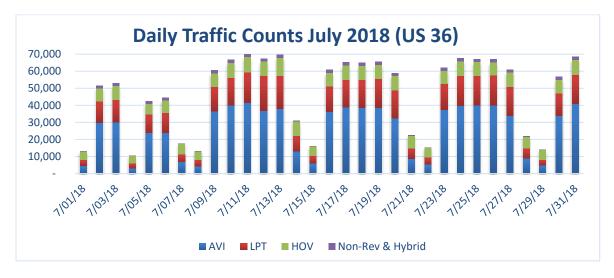
15.9%

■ AVI ■ LPT ■ HOV ■ Non-Rev & Hybrid

Figure 1 – Monthly Traffic Distribution









2.0 REVENUES

During the month of July 2018, PRD collected \$688,969 and \$756,424 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, 2018	15:42	16:20	0:38
July 6, 2018	11:08	12:55	1:47
July 16, 2018	10:09	10:52	0:43
July 20, 2018	15:40	16:32	0:52
July 24, 2018	15:15	16:04	0:49
Total			4 hours 49 minutes



Remaining Closure Hours Available (Ref: CA 29.7)			7 hours 11 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
Promenade West Toll Point	Incorrect toll schedule	Incorrect Toll Schedule was applied during a software update on 3/7/16	3/16/16 (Period II) Customer Accounts Corrected	0	3	3/16/17	3/16/19

 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

5.0 HYBRID UTILIZATION

Total Hybrid Trips					
1,184					
4,191					

Table 6 – 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.





OPERATIONS AND MAINTENANCE MONTHLY REPORT JULY 2018

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: Ferrovial Services 10525 West 120th Avenue Broomfield, CO 80021

United States of America

Justin Doles, PE Project Manager





OPERATIONS AND MAINTENANCE – MONTHLY REPORT JULY 2018 US 36 and I-25 Express Lanes Project

Revision	Date	Approved
Rev. 0	08/08/2018	Just Dole

This report titled *Operations and Maintenance Monthly Report, July 2018* has been prepared by Ferrovial Services 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 Ferrovial Services.

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

This report is Ferrovial Services pdf file: OM Monthly Report July 2018.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 of July 2018. Ferrovial Services continues ongoing and preventive maintenance activities for the I-25 and US36 Managed Lanes Project.

Ferrovial Services Commitment to Safety

Ferrovial Services conducted weekly toolbox talk meetings during the month. The purpose of the tool box 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, Ferrovial Services 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:

- Pressurized Can Safety
- "A" Frame Ladder Safety
- Extension Ladder Safety
- Fall Protection
- Underground Cable Safety

A. Summary of the Planned Maintenance Activities for the Upcoming Month – August 2018

Ferrovial Services 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 of August 2018 is included below.







FIG. A-1 Planned Maintenance Activities for August 2018 x – INDICATES THE DAY THE TASK IS PLANNED.

Performance Standard Identification Number (Table	Work Activity- Description	Frequency		Aug-18																													
6.1)			1 W	2 T		4 S	5 S	6 M	7 T	8 W	9 T	10 F	11 S	12 S	13 M	14 T	15 W	16 T	17 F	18 S	19 S	20 M	21 T	22 W	23 T	24 F	25 S	26 S	27 M	28 T	29 W	30 T	31 F
ML-1	MAINTENANCE PATROL	Daily	х	x	х			х	х	х	х	х		-	х	х	х	х	х			х	х	x	х	х			x	х	x	x	x
ML-1	FLEXIBLE PAVEMENT OBSERVATION / REPAIR	F-52	х							x							х							х							x		
ML-1	RIGID PAVEMENT OBSERVATION / REPAIR	F-52	х							x							x							х							x		
ML-4	DELINEATORS & MARKERS OBSERVE / CLEAN / REPAIR	F-12													х																		
ML-2	DRAINAGE STRUCTURE (INLET) INSPECTION	F-1													х																		
ML-2	DRAINAGE (INLET) OBSERVE/ CLEAN / REPAIR	F-12																				х											
ML-2	DRAINAGE (PIPE/CULVERT) OBSERVE / CLEAN / RPR	F-12																				х											
ML-5.1	GUARDRAIL, SAFETY BARRIER																						х	х									
ML-6	SIGN OBSERVATION / REPAIR	F-52						x							х							х							x				
ML-8	ELECTRICAL SUPPLY INSPECTION / REPAIR	F-12																х															
ML-8	ACCESS PANEL OBSERVATION / REPAIR	F-12																х															
ML-10	HERBICIDE & WEED CONTROL MAINTENANCE	F-52		x							x							x							x							x	
ML-12	GRAFFITI OBSERVATION / REMOVAL	F-52																															
ML-14	MECHANICAL ROAD SWEEPING	F-12																				х	х	x	х				x				
ML-15	NODE BUILDING 2 MAINTENANCE	F-1										х																					
ML-15	SAND STORAGE DOME MAINTENANCE	F-1																	х														
	REVERSIBLE LANE OPERATIONS	Daily	х	x	x			x	x	х	х	х			х	х	х	х	х			х	х	x	х	х			x	x	x	x	x

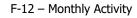
Frequency of Activity:

Daily – Daily Activity

F-4 – Quarterly Activity

F-52 – Weekly Activity

F-2 – Semi-Annual Activity



F-1 – Annual Activity

B. Summary of Performed and Completed Maintenance Activities







Fig. B-1 Performed and Complete Maintenance Activities for July 2018

Performance Standard Identification Number (Table	Work Activity- Description	Frequency	Jul-18																														
6.1)			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	М	T	w	Т	F	S	S	М	T	w	T	F	S	S	м	T	w	T	F	S	S	М	T	w	T	F	S	S	М	Т
ML-1	MAINTENANCE PATROL	Daily		x	х		x	х			x	х	х	х	x			x	х	х	х	х			х	x	х	x	х			X	x
ML-1	FLEXIBLE PAVEMENT OBSERVATION / REPAIR	F-52		x							x							x							x							x	
ML-1	RIGID PAVEMENT OBSERVATION / REPAIR	F-52		x							х							x							х							x	
ML-10	CRACK SEALING	F-1		x	x																												
ML-9	CONCRETE SEALING	F-1		х	х																												
ML-4	DELINEATORS & MARKERS OBSERVE / CLEAN / REPAIR	F-12					x																										
ML-2	DRAINAGE STRUCTURE (INLET) INSPECTION	F-1									x																						
	DRAINAGE (INLET) OBSERVE/ CLEAN / REPAIR	F-12									x																						
ML-2	DRAINAGE (PIPE/CULVERT) OBSERVE / CLEAN / RPR	F-12									x																						
ML-5.1	GUARDRAIL, SAFETY BARRIER						x					x																					
ML 5.2	IMPACT ATTENUATORS												х																				
ML-6	SIGN OBSERVATION / REPAIR	F-52											x							x							x						
ML-8	STREET LIGHTING OBSERVATION / REPAIR	F-52		x							х							x							x							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	LITTER OBSERVATION / REMOVAL	Daily		x	x		x	x			x	x	x	x	x			x	x	x	x	x			x	x	x	x	х			x	x
ML-15	NODE BUILDING 2 MAINTENANCE	F-1						x							x							х							х				
	SAND STORAGE DOME MAINTENANCE	F-1																				х											
	REVERSIBLE LANE OPERATIONS	Daily		x	x		x	x			x	x	x	x	x			x	x	x	x	х			x	x	x	x	х			x	x
	GATE MAINTENANCE & REPAIR			x							x							x							х								

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

5

Fig. B-2 Work Accomplished This Month

Activity	Actual Work
152 Asphalt Pavement Surface Rpr (YD2)	61
153 Concrete Pavemnt Surface Rpr (YD2)	2.25
157 Hnd Crck Seal Rigid Pave (LF)	955
162 Surface Shoulder Rprs (MI)	0.75
202 Clean Drains (EA)	9
216 Fence Maint (LF)	800
218 Debris in Roadway (HR)	16
218 Litter Barrel Trash Cleanup (YD3)	117
220 Sweeping (Mech) (MI)	120
221 Sweeping Disposal (TON)	28
222 Sweeping - Hand (HR)	64.5
252 Veg Cntrl Mowing/Machine (ACR)	23
254 Veg Cntrl Hnd/Chem (HR)	205
301 Misc Sign Maint (EA)	16
304 Del Post Maint (EA)	243
307 Direct Gate Maint (EA)	1
314 Reversible Lane Ops (HR)	294
329 Courtesy Assistance (HR)	346.5
540 Graffiti Removal (SF)	1804
355 Bridge/Structure Painting (GAL)	30

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

Ferrovial Services completed all scheduled maintenance activities for the period of July, 2018. 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:

Snow and Ice Control: None

Courtesy Patrol: None

Hazardous Materials Incidents: None









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

This section provides a summary of Ferrovial Services 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:

Element				Response to Defects									
Category	Description	Location	BRS Notified		gory 1	Category 2							
outogoly				Hazard Mitigation	Permanent Remedy	Permanent Repair							
GP5.1	Guardrail (Impact Damage)	US36 MP 55.04 EB	1/16/2018 23:32:00	N/A	N/A	Reqd: 6 Months Respd: 7/6/2018 03:00 Actual: 5.67 Months							
GP5.1	Guardrail (Impact Damage)	US36 MP 49.40 WB	3/2/2018 07:30:00	N/A	N/A	Reqd: 6 Months Respd: 7/10/2018 03:00 Actual: 4.32 Months							
GP5.1	Guardrail (Impact Damage)	I-25 MP 217.22 NB	4/16/2018 15:29:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
GP 8.2	Sign Lighting (L2 Light Out)	US36 MP 56.90 EB	5/2/2018 22:00:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
ML 8.1	Lighting (South Bulb Out)	040-U36-LHT- 0230, MP 56.73	5/2/2018 22:00:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
ML 8.1	Lighting (South Bulb Out)	040-l25-LHT- 0070, MP 214.85	5/2/2018 22:00:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
ML 8.1	Lighting (All Bulbs Out)	040-125-LHT- 0050, MP 214.73	5/2/2018 22:00:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
GP 8.2	Sign Lighting (L1 Light Out)	US36 MP 56.60	5/2/2018 22:00:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
GP 8.2	Sign Lighting (L3 Light Out)	US36 MP 56.60	5/2/2018 22:00:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
GP 8.2	Sign Lighting (L2 Light Out)	US36 MP 56.60	5/2/2018 22:00:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
ML 8.1	Lighting (South Bulb Out)	040-U36-LHT- 0190, MP 56.47	5/2/2018 22:00:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
ML 8.1	Lighting (East Bulb Out)	040-U36-LHT- 0150, MP 56.22	5/2/2018 22:00:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
ML 8.1	Lighting (North Bulb Out)	040-l25-LHT- 0100, MP 215.02	5/2/2018 22:00:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
ML 8.1	Lighting (All Bulbs Out)	040-125-LHT- 0020, MP 214.56	5/2/2018 22:00:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
ML 8.1	Lighting (West Bulb Out)	040-U36-LHT- 0220, MP 56.66	5/2/2018 22:00:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
GP6.1	Traffic Sign (Impact Damage)	US36 MP 49.35 WB	5/4/2018 07:30:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							
GP5.1	Guardrail (Impact Damage)	US36 MP 43.10 EB	5/8/2018 07:45:00	N/A	N/A	Reqd: 6 Months Respd: 7/10/2018 12:00 Actual: 2.07 Months							
GP9.1	Fence (Impact Damage)	US36 MP 49.35 WB	5/9/2018 13:36:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress							



Element	Description		DDC Natifie I	Response to Defects Category 1 Category 2								
Category	Description	Location	BRS Notified	Categ Hazard Mitigation	Category 2							
				Hazard Willigation	Permanent Remedy	Permanent Repair Regd: 6 Months						
GP9.1	Fence	US36	5/14/2018	N/A	N/A	Respd:						
01 3.1	(Impact Damage)	MP 42.20 EB	08:51:00	IVA	IN/A	Actual: In Progress						
						Regd: 6 Months						
GP6.1	Traffic Sign	US36	5/15/2018	N/A	N/A	Respd:						
	(Impact Damage)	MP 57.10 EB	03:30:00			Actual: In Progress						
	Troffic Cian		E/10/2019			Reqd: 6 Months						
GP6.1	Traffic Sign (Impact Damage)	US36 MP 46.80 EB	5/16/2018 15:00:00	N/A	N/A	Respd:						
	(impact Damage)	MF 40.00 ED	15.00.00			Actual: In Progress						
	Erosion	US36	5/19/2018			Reqd: 6 Months						
GP11.2	(Hail Storm Damage)	MP 40-43.4	19:16:00	N/A	N/A	Respd:						
	(Hair eterni Darnage)		10110100			Actual: In Progress						
	Traffic Sign	US36	6/26/2018			Reqd: 6 Months						
GP6.1	(Impact Damage)	MP 53.0 WB	15:10:00	N/A	N/A	Respd:						
				5 1 4 1		Actual: In Progress						
	Debris	US36	7/2/2018	Reqd: 1 Hours	N1/A	N1/A						
ML1.1	(Cleared Tire from	MP 217 SB	09:57:00	Respd: 7/2/2018 10:15	N/A	N/A						
	Lanes) Debris			Actual: 0.30 Hours								
GP1.1	(Cleared Tire from	US36	7/2/2018	Reqd: 1 Hours	N/A	N/A						
GF 1.1	(Cleared Tire from Lanes)	MP 52.7 EB	10:00:00	Respd: 7/2/2018 10:34 Actual: 0.56 Hours	IWA	IN/A						
	Debris			Regd: 1 Hours								
GP1.1	(Cleared Tire from	US36	7/3/2018	Respd: 7/3/2018 13:02	N/A	N/A						
011.1	Lanes)	MP 43.3 WB	12:40:00	Actual: 0.36 Hours		1.07.1						
				Actual: 0.50 Hours		Regd: 6 Months						
ML6.1	Sign	US36	7/6/2018	N/A	N/A	Respd:						
	(Impact Damage)	MP 53.25 WB	11:15:00			Actual: In Progress						
		11000	7/0/00 1 0			Regd: 6 Months						
ML5.1	Median Barrier	US36	7/6/2018	N/A	N/A	Respd:						
	(Impact Damage)	MP 53.25	11:15:00			Actual: In Progress						
	Incident Response			Decide 4 Lineare								
0042.4	(Responded to	US36	7/6/2018	Reqd: 1 Hours	N//A	NI/A						
GP13.1	Accident per WPD	MP 53.25 W	11:15:00	Respd: 7/6/2018 11:38 Actual: 0.38 Hours	N/A	N/A						
	Request)			Actual. 0.36 Hours								
	Guardrail	US36	7/6/2018			Reqd: 6 Months						
ord Party	(Impact Damage)	MP 53.25 WB	11:08:00	N/A	N/A	Respd:						
		WI 55.25 WD	11.00.00			Actual: In Progress						
	Debris	US36	7/7/2018	Reqd: 1 Hours								
GP1.1	(Cleared Debris from	MP 40.00 EB	14:43:00	Respd: 7/7/2018 15:31	N/A	N/A						
	Lanes)	10100 23	1.1.10100	Actual: 0.79 Hours								
	Debris	US36	7/7/2018	Reqd: 1 Hours								
GP1.1	(Cleared Tire from	MP 44.00 EB	17:16:00	Respd: 7/7/2018 18:13	N/A	N/A						
	Lanes)			Actual: 0.94 Hours		Devel 0 Meether						
	Sign	US36	7/10/2018	NI/A	N1/A	Reqd: 6 Months						
GP6.1	(Impact Damage)	MP 43.1 EB	11:20:00	N/A	N/A	Respd:						
	Debris		+	Regd: 1 Hours		Actual: In Progress						
GP1.1	(Cleared Racoon from	US36	7/12/2018	Rega: 1 Hours Respd: 7/12/2018 08:45	N/A	N/A						
GF 1.1	Lanes)	MP 39.5 WB	08:07:00	Actual: 0.63 Hours	IVA	11/7						
	Debris			Regd: 1 Hours								
M1.1	(Cleared Tire from	US36	7/12/2018	Respd: 7/12/2018 14:02	N/A	N/A						
	Lanes)	MP 40.50 EB	13:20:00	Actual: 0.70 Hours		1 10/7 1						
	Debris			Regd: 1 Hours								
GP1.1	(Cleared Metal from	US36	7/13/2018	Respd: 7/13/2018 17:17	N/A	N/A						
	Lanes)	MP 55.9 EB	16:23:00	Actual: 0.89 Hours		•						
	Debris		7/15/0019	Reqd: 1 Hours								
GP1.1	(Cleared Construction	US36 MP 54.8 WB	7/15/2018 17:05:00	Respd: 7/15/2018 17:25	N/A	N/A						
	Sign from Lanes)		17.05.00	Actual: 0.33 Hours								
	Guardrail	US36	7/15/2018			Reqd: 6 Months						
GP5.1	(Impact Damage)	MP 44.7 EB	17:30:00	N/A	N/A	Respd:						
	(impact Daillage)	1VII 444.7 ED	17.30.00			Actual: In Progress						
	Debris	US36	7/17/2018	Reqd: 1 Hours								
GP1.1	(Debris Reported,	MP 47.5 EB	07:30:00	Respd: 7/17/2018 08:25	N/A	N/A						
	Nothing Found)		07.00.00	Actual: 0.91 Hours								
	Debris	US36	7/20/2018	Reqd: 1 Hours								
GP1.1	(Cleared Debris from	MP 50.4 EB	13:45:00	Respd: 7/20/2018 14:31	N/A	N/A						
	Lanes)		10.70.00	Actual: 0.76 Hours								

ferrovial

services



Element				Response to Defects								
Category	Description	Location	BRS Notified	Categ	Category 2							
Calegory				Hazard Mitigation	Permanent Remedy	Permanent Repair						
GP5.1	Guardrail (Impact Damage)	US36 MP 46.7 EB	7/23/2018 11:30:00	N/A	N/A	Reqd: 6 Months Respd: Actual: In Progress						
GP1.1	Debris (Cleared Traffic Cone from Lanes)	US36 MP 55.9 WB	7/24/2018 14:14:00	Reqd: 1 Hours Respd: 7/24/2018 14:56 Actual: 0.70 Hours	N/A	N/A						
GP1.1	Debris (Cleared Tire from Lanes)	US36 MP 50.4 EB	7/26/2018 12:05:00	Reqd: 1 Hours Respd: 7/26/2018 12:28 Actual: 0.38 Hours	N/A	N/A						
GP1.1	Debris (Cleared Mattress from Lanes)	US36 MP 42.2 EB	7/29/2018 09:16:00	Reqd: 1 Hours Respd: 7/29/2018 10:16 Actual: 0.99 Hours	N/A	N/A						
GP1.1	Debris (Debris Reported, Nothing Found)	US36 MP 37.40 EB	7/31/2018 20:30:00	Reqd: 1 Hours Respd: 7/31/2018 21:07 Actual: 0.61 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 Ferrovial Services 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. Ferrovial Services considers a breakdown to be a failure when the element cannot be used for its intended purpose until repaired.