

SCOPE OF WORK

Colorado Department of Transportation Colorado Transportation Investment office

CTIO US 36 Concessionaire Oversight and Program Specific Engineering Services

Date: August 4, 2022

The Contract Administrator for this Task Order will be:

John Gregory
CTIO Major Projects Manager
Colorado Transportation Investment Office
2829 West Howard Place
Denver, Colorado 80204
Office: (303) 512-5915

Active day-to-day administration and monitoring of this contract will be delegated to the following CDOT employee:

John Gregory
CTIO Major Projects Manager
Colorado Transportation Investment Office
2829 West Howard Place
Denver, Colorado 80204
Office: (303) 512-5915

Task 1: US 36 Concessionaire Oversight for Maintenance and Operations

Provide oversight and quality assurance of the Concessionaire's execution of the Service Performance Requirements for Roadway Maintenance, Toll, Operations, and Snow and Ice Control. These requirements are outlined in the US 36 Concession Agreement and the Concessionaire's Maintenance Management Plan and the CDOT Maintenance Level of Service Manual, Operations Management and Safety Plan, and Environmental Compliance Work Plans. The requirements apply to the I-25 Central Express Lanes (US 36 to downtown) and Phases 1 and 2 of the US 36 Managed Lanes project.

The Consultant will provide the services necessary to identify the performance requirements and the frequency of performance monitoring for the following Schedules of the Concession Agreement:

- Schedule 6 CTIO Service Requirements for Roadway, Toll, and Operations
- Schedule 8 Concessionaire's Service Proposals
- Schedule 25 CTIO Snow and Ice Control Services Requirements
- Schedule 26 Concessionaire's Snow and Ice Control Services Proposals

The Consultant will also conduct an annual review of the Concessionaire's Maintenance Management Plan, Operations Management Plan, Safety Plan, and Environmental Compliance Plan as they relate to the Schedules of the Concession Agreement and CDOT's Maintenance Level of Service Manual. The Consultant also will provide the staff to audit the Concessionaire's performance and review the reporting of the identified areas.

The Consultant will assist CTIO in monitoring the Concessionaire's reporting and response to non-compliance occurrences and associated cure periods. The Consultant will assist in providing additional monitoring services and/or review remedial plans to verify that the non-compliance events have been addressed as required in Schedule 10.

As needed, the Consultant will to coordinate with CTIO's financial oversight consultant that is monitoring the Concessionaire's fulfillment of the Financial Requirements of the US 36 Concession Agreement. This financial oversight consultant completes quarterly audits of CTIO and Concessionaire compliance with requirements in the Concession Agreement. The financial oversight consultant also provides a monthly status report and quarterly contract compliance monitoring report to CTIO.

Staffing

The Consultant will provide the field staff who will conduct scheduled monitoring and spot-checks to verify that the Concessionaire is meeting the Service Performance Requirements as outlined in the Concessionaire's Maintenance Management Plan and adopted Maintenance Level of Service Plan, Operations Management and Safety Plan, Environmental Compliance Work Plans, and Snow and Ice Control Operations Manual. The Consultant will review the Concessionaire's Monthly Operations Reports and identify discrepancies between the report and the observations made.

If there are discrepancies found during monitoring and spot checks, the Consultant will report them to CTIO as follows:

- Activities that impact the safety of the traveling public will be reported immediately.
- Others will be documented in the monthly Quality Assurance Report submitted by the Consultant to CDOT and CTIO.

The Consultant will be responsible for communicating with the Concessionaire's maintenance and operations staff about expectations related to the Service Requirements as required. In addition, the Consultant will be available to provide additional monitoring or remediation review related to remedies to non-compliance occurrences, as defined in Schedule 10 and as instructed by CTIO.

Deliverables

The Consultant will be expected to prepare a monthly Quality Assurance Oversight Report to CDOT and CTIO on the status of the performance requirement tasks that will include:

- Summary of Service and Financial Performance of the Concessionaire.
- Observations of trends in the Concessionaire's performance.
- Recommendations for changes to the type and frequency of monitoring.
- If there have been non-compliance points assessed per Schedule 10, status of the cure(s).
- Back-up for the auditing and review tasks conducted for Service Performance.
- Back-up for the monitoring tasks conducted for Financial Performance:
- Concessionaire's reports reviewed (from their database).
- Documentation of auditing related to non-compliance points.

The Consultant will also provide review of the Concessionaire's Monthly Operations Report, the 5 Year Life Cycle Maintenance Plan and the annual Snow & Ice Control Operations Plan with recommendations for future performance requirements. Over the duration of the contract, it is anticipated that the type and frequency of the oversight tasks may change. The Consultant will coordinate with CTIO to determine the requirements and modify the documentation and Quality Assurance Oversight Plan to reflect those changes.

Task 2: Annual Engineers Reports for Express Lane Corridors

CTIO has entered into various financing agreements in order to deliver key Express Lanes projects including:

- C-470 Express Lanes Project-Phase 1
- I-25 North US 36 to Fort Collins (tolling commencement slated for early 2024)

CTIO Plans to enter into financing arrangements on include, but are not limited to:

- Floyd Hill and the Mountain Express Lanes
- I-270

As part of the ongoing reporting and monitoring under the current financings, CTIO is required to have an independent engineer inspect these projects on an annual basis and to submit reports to CTIO, CDOT and the Trustee (an "Engineer's Report"). Each Engineer's Report shall set forth:

1. The Engineer's findings as to whether the Project has been maintained in good repair, working order and condition;
2. The Engineer's advice and recommendations as to the proper maintenance and repair of the Project during the next Fiscal Year and an estimate of the amount of money necessary for such purposes; and
3. The Engineer's advice and recommendation as to each Project Renewal and Replacement (as defined under the individual financing agreements) that should be completed in the current and the next six Fiscal Years, the date on which each such Project Renewal and Replacement should be commenced and completed and the Engineer's estimate of the cost (using dollars adjusted to the year of expenditure) of

each such Project Renewal and Replacement. CTIO may rely on the Engineer's estimates of the costs of Project Renewals and Replacements in determining the Project Renewal and Replacement Reserve Requirements.

Task 3: Non-Project Specific Engineering Services

Manuals, Procedures, and Guidance

- Provide Emergency Management operations and support by supporting the development of CDOT's Incident Management Team, expanding CDOT's All-Hazard and Wildfire response capability, and updating the 2017 CDOT Emergency Operations Plan.

Data Management and Asset Management

- Assist in the design and development of technical plans for various asset categories. Including but not limited to hydraulics and drainage; pavement design and repair; structures (bridge and walls); Tolling and ITS; signage and striping, guardrail, bridgerail.
- Assist CTIO in updating the performance requirements monitoring checklist (Exhibit C).

Review and Technical Support

- Assist staff with developing, integrating, and reporting safety, traffic engineering, and operations performance measures, metrics, and KPI's.
- Provide hydraulics engineering services and support.

Design

- Provide a Colorado Licensed Professional Engineer (PE) Stamp to certify designs, changes to designs, and Plans, Specifications, and Estimates (PS&E) packages.

Construction

- Provide design support during construction to address changes to design elements due to constructability issues or plan errors.
- Provide construction management and inspection for general maintenance, capital maintenance and new construction activities when the Concessionaire is completing the work.

EXHIBIT A
INTENTIONALLY OMMITTED

EXHIBIT B
INTENTIONALLY OMMITTED

EXHIBIT C

US 36/I-25 OVERSIGHT INSPECTION FORM
 CONCESSIONAIRE AGREEMENT COMPLIANCE MONITORING

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
COMBINED GP/ML 1 ROADWAY													
1	1.1	Appendix 6-1.1 & 6-1.2	Obstructions and Debris	Roadway and clear zone free from obstructions and debris. No edge drops greater than 2 inches.	<1 hr. to respond	N/A	N/A	Bi-Weekly					
2	1.2	Appendix 6-1.1 & 6-1.2	Pavement	Ruts no more than 3% of wheel path length	24 hrs.	28 days	6 months	Bi-Weekly					
3	1.3	Appendix 6-1.1 & 6-1.2	Crossovers and other paved areas	No potholes or base failures of any severity level	24 hrs.	28 days	6 months	Bi-Weekly					
4	1.4	Appendix 6-1.1 & 6-1.2	Concrete joint sealing	Joints >1" sealed to mitigate safety issues	24 hrs.	28 days	12 months	Quarterly					
5	1.5	Appendix 6-1.1 & 6-1.2	Crack sealing	No cracks >1" due to safety issues	24 hrs.	28 days	3 years	Quarterly					
6	1.6	Appendix 6-1.1 & 6-1.2	Longitudinal joint	No joints >1" or faulting >1/4"	24 hrs.	28 days	6 months	Monthly					
7	1.7	Appendix 6-1.1 & 6-1.2	Transition	No joint width > 1" or faulting >1/4"	24 hrs.	28 days	6 months	Monthly					
8	1.8	Appendix 6-1.1 & 6-1.2	Shoulders	Appropriate drainage	24 hrs.	28 days	6 months	Weekly					
9	1.9	Appendix 6-1.1 & 6-1.2	Curbs	Curbs free of defects	24 hrs.	28 days	6 months	Monthly					
10	1.1	Exhibit B, Item 74	I-25 Pavement Defects	Correct defects occurring after Commencement Date per Schedule 6. (If existing prior to Commencement Date, treat as compensation event.)	24 hrs.	28 days	6 months	Bi-Weekly					
11		Exhibit B, Item 122	Category 1 Defect	Address a Category 1 defect within the time period shown in Appendix 6-1 of Schedule 6.	Per Appendix 6-1	Per Appendix 6-1	Per Appendix 6-1	Bi-Weekly					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates - Indicates Item Not Resolved

US 36/I-25 OVERSIGHT INSPECTION FORM
 CONCESSIONAIRE AGREEMENT COMPLIANCE MONITORING

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
12		Exhibit B, Item 123	Category 2 Defect	Address a Category 2 defect within the time period shown in Appendix 6-1 of Schedule 6.	Per Appendix 6-1	Per Appendix 6-1	Per Appendix 6-1	Bi-Weekly					
GP/ML 2 DRAINAGE													
13	2.1	Appendix 6-1.1 & 6-1.2	Pipes and Channels	Length with <90% clear	< 1 hr. to respond	28 days	6 months	Monthly or as required by precipitation					
14	2.2	Appendix 6-1.1 & 6-1.2	Drainage treatment devices	Devices functioning correctly	24 hrs.	28 days	6 months	Monthly or as required by precipitation					
15	2.3	Appendix 6-1.1 & 6-1.2	Permanent waters	Water quality features functioning properly	24 hrs.	28 days	6 months	Monthly or as required by precipitation					
16		Appendix 6-1.1 & 6-1.2	Travel way	No instances of hazardous water build up	< 1 hr. to respond	28 days	6 months	Bi-Weekly or as required by precipitation					
17	2.4	Appendix 6-1.1 & 6-1.2	Discharge systems	Discharge systems compliant with applicable laws, statues and regulations	24 hrs.	28 days	6 months	Monthly or as required by precipitation					
GP/ML 3- STRUCTURES													
18	3.1 & 3.2	Appendix 6-1.1 & 6-1.2	Graffiti	Structures and substructures are free of defect	<1 hr. to respond	28 days	28 days	Bi-Weekly					
19	3.1 & 3.2	Appendix 6-1.1 & 6-1.2	Undesirable Vegetation	Structures and substructures are free of defect	<1 hr. to respond	28 days	28 days	Bi-Weekly					
20	3.1 & 3.2	Appendix 6-1.1 & 6-1.2	Debris and bird droppings	Structures and substructures are free of defect	<1 hr. to respond	28 days	28 days	Bi-Weekly					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date				Route: US-36 I-25				
EXHIBIT C - SCHEDULE 6													
21	3.1 & 3.2	Appendix 6-1.1 & 6-1.2	Blocked drains, weep pipes, manholes and chambers	Structures and substructures are free of defect	<1 hr. to respond	28 days	28 days	Bi-Weekly					
22	3.1 & 3.2	Appendix 6-1.1 & 6-1.2	Blocked drainage holes in structural components	Structures and substructures are free of defect	<1 hr. to respond	28 days	28 days	Bi-Weekly					
23	3.1 & 3.2	Appendix 6-1.1 & 6-1.2	Crack sealing, deck sealing	Structures and substructures are free of defect	<1 hr. to respond	28 days	28 days	Quarterly					
24	3.1 & 3.2	Appendix 6-1.1 & 6-1.2	Defects in pedestrian protection measure	Structures and substructures are free of defect	<1 hr. to respond	28 days	28 days	Bi-Weekly					
25	3.1 & 3.2	Appendix 6-1.1 & 6-1.2	Bridge paint failures	Structures and substructures are free of defect	<1 hr. to respond	28 days	28 days	Annually					
26	3.1 & 3.2	Appendix 6-1.1 & 6-1.2	Defects in joint sealant, with the exception of expansion joints	Structures and substructures are free of defect	<1 hr. to respond	28 days	28 days	Quarterly					
27	3.1 & 3.2	Appendix 6-1.1 & 6-1.2	Defects to barrier and guardrails	Free of impact damage, vegetation and debris, graffiti, and blockages	<1 hr. to respond	28 days	28 days	Bi-Weekly					
28	3.1 & 3.2	Appendix 6-1.1 & 6-1.2	Defects to expansion joints	Free of impact damage, vegetation and debris, graffiti, and blockages	<1 hr. to respond	28 days	28 days	Bi-Weekly					
29	3.3	Appendix 6-1.1 & 6-1.2	Defects to culverts/ concrete box culvert	Expected to be free from vegetation, debris, silt, and scour damage	<1 hr. to respond	28 days	28 days	Monthly or as required by precipitation					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
30	3.4	Appendix 6-1.1 & 6-1.2	Defects to sign structures	Expected to be structurally sound and free of loose nuts and bolts, graffiti, and surface protection systems defects	24 hours	28 days	6 months	Monthly					
31	3.5	Appendix 6-1.1 & 6-1.2	Damage to retaining walls	Expected to be free from panel damage and graffiti	24 hours	28 days	6 months	Bi-Weekly					
GP/ML 4 - ROAD PAVEMENT													
32	4.1	Appendix 6-1.1 & 6-1.2	Pavement Markings	Clean and visible during the day and night. Good reflectivity. Meets MUTCD/CDOT Standards	24 hours	28 days	6 months	Generally, bi-weekly. Check reflectivity quarterly.					
33	4.2	Appendix 6-1.1 & 6-1.2	Delineators & Markers	Clean and visible, of the correct color and type, legible and reflective, straight and vertical. No more than 12.5% of the delineators and markers may be missing or not easily visible in any auditable section.	24 hours	28 days	6 months	Generally, bi-weekly. Check reflectivity quarterly.					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
GP/ML 5 – GUARDRAIL, SAFETY BARRIER, IMPACT ATTENUATOR													
34	5.1 & 5.2	Appendix 6-1.1 & 6-1.2	Guardrails, safety barriers and impact attenuators	All guardrails, safety barriers, concrete barriers, etc., are maintained free of defects, appropriately placed and correctly installed at the correct height and distance from roadway or obstacles. Installation and repairs shall be carried out in accordance with the requirements of NCHRP 350 standards. No more than 12.5% of road restraint systems may be out of spec.	< 1 hr. to respond	Repaired or marked in 48 hours	6 months	Bi-Weekly					
GP/ML 6 – TRAFFIC SIGNS													
35	6.1	Appendix 6-1.1 & 6-1.2	All General Sign	Signs and identification markers are clean, correctly located, clearly visible, legible, reflective, at the correct height, and free from electrical defects. Mounting posts are vertical, structurally sound and rust free as per MUTCD/CDOT. No signs shall have face damage greater than 5% of surface area.	24 hours	28 days	6 months	Generally, bi-weekly. Check reflectivity quarterly.					
36	6.2	Appendix 6-1.1 & 6-1.2	Safety and Critical Signs	Stop Yield, Do Not Enter, One way, and Wrong Way signs are clean, legible and undamaged, and conform to 6.1 requirements.	<1 hr. to respond	1 week	6 months	Generally, bi-weekly. Check reflectivity quarterly.					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
GP/ML 8 LIGHTING													
37	8.1, 8.2	Appendix 6-1.1 & 6-1.2	Roadway and Sign Lighting - General	All lighting is free from defects and provides acceptable uniform lighting and quality. Lanterns are clean and correctly positioned. Lighting units are free from accidental damage or vandalism. Columns are upright, correctly founded, visually acceptable, and structurally sound. 90% of lights must function correctly.	24 hours	28 days	6 months	Bi-Monthly Visual Inspection					
38	8.3	Appendix 6-1.1 & 6-1.2	Electrical Supply	Electricity supply, feeder pillars, cabinets, switches and fittings are electrically, mechanically and structurally sound and functioning.	24 hours	7 days	1 month	Bi-weekly / Annual Access Concessionaire records and conduct a visual outside inspection. Concessionaire reports are sent to HPTE monthly per Tony.					
39	8.4	Appendix 6-1.1 & 6-1.2	Access Panels	All access panels in place at all times	24 hours	7 days	1 month	Bi-Weekly					

Indicates - Newly Reported Item
 Indicates - Item Resolved Removing from List After Current Report
 Indicates - Item Not Inspected
 Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
40	8.5	Appendix 6-1.1 & 6-1.2	High & Medium Mast Structure	All masts are structurally sound and free of loose nuts and bolts, no defects in surface protection systems, and no graffiti.	24 hrs.	28 days	6 months	Bi-Weekly Continue inspecting for graffiti. Checking for loose nuts and bolts should be done by Ferrovia. Please ensure these inspections are completed by checking monthly report per Tony.					
41	8.6	Appendix 6-1.1 & 6-1.2	High & Medium Mast Lighting	All mast luminaries functioning on each pole. All obstruction lights are present and working if required. Component door is secure with all bolts in place. All winch and safety equipment are correctly functioning and maintained without rusting or corrosion. Hoists and electrical fixings clean and lubricated. Two or more lamps per mast pole shall function.	24 hrs.	48 days	1 month	Bi-Monthly to determine whether luminaires are functioning					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
GP/ML 9 – FENCES, WALLS, SOUND ABATEMENT													
42	9.1	Appendix 6-1.1 & 6-1.2	Design and Location	Fences and walls act as designed and serve the purpose for which they were intended	<1 hr. to respond	28 days	6 months	Bi-Weekly					
43	9.2	Appendix 6-1.1 & 6-1.2	Construction (includes existing)	Integrity and structural condition of the fence is maintained	<1 hr. to respond	28 days	6 months	Bi-Weekly					
44	9.3	Appendix 6-1.1 & 6-1.2	Livestock	Integrity and structural condition of all fences that hold live stock is maintained	<1 hr. to respond	28 days	6 months	Bi-Weekly					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
GP/ML 10 - ROADSIDE													
45	10.1	Appendix 6-1.1 & 6-1.2	Vegetated areas - except landscaped areas - general	Vegetation maintained so that height of grass and weeds is kept within the limits described for urban and rural areas. Mowing begins before vegetation reaches maximum height. Spot mowing at intersections, ramps, or other areas visibility of appurtenances and sight distance. Grass or vegetation does not encroach into or on paved shoulders, main lanes, sidewalks, islands, riprap, traffic barrier or curbs. An herbicide program is undertaken in accordance with the D 006 99. Development and implementation of noxious weed program to control noxious weeds and eliminate grass in pavement or concrete. A mowing cycle completed after the first frost of the first 15' from the edge of pavement.	24 hrs.	7 days	28 days	Bi-Weekly					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates - Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
46	10.2	Appendix 6-1.1 & 6-1.2	Landscaped Areas	Maintained to originally constructed condition and as required by the FMP	24 hrs.	7 days	28 days	Bi-Weekly					
47	10.3	Appendix 6-1.1 & 6-1.2	Fire Hazards	Fire hazards are controlled	24 hrs.	7 days	28 days	Bi-Weekly					
48	10.4	Appendix 6-1.1 & 6-1.2	Trees, brush, and ornamentals	Mowed, trimmed in accordance with CDOT standards. Dead vegetation trimmed or treated. Diseased trees treated or removed by licensed contractors.	24 hrs.	7 days	28 days	Bi-Weekly					
49	10.5	Appendix 6-1.1 & 6-1.2	Water Quality Ponds	Maintenance of all vegetation within ponds and surrounding area.	24 hrs.	7 days	28 days	Bi-Weekly					
50	10.6	Appendix 6-1.1 & 6-1.2	Wetlands	Wetlands managed in accordance with permit requirements.	24 hrs.	7 days	28 days	Bi-Weekly					
GP/ML 11 – EARTHWORKS & EMBANKMENTS													
51	11.1	Appendix 6-1.1 & 6-1.2	Slope Failure	All structural or natural failures of the embankment and cut slopes of the Facility are repaired.	<1 hr. to respond	28 days	6 months	Bi-Weekly					
52	11.2	Appendix 6-1.1 & 6-1.2	Slopes - General	Slopes are maintained in general conformance to the original grade. Replace landscape materials, reseed, and control erosion on roadway and shoulders.	24 hrs.	28 days	6 months	Bi-Weekly					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
GP/ML 12 - GRAFFITI													
53	12.1	Appendix 6-1.1 & 6-1.2	Graffiti	Graffiti is removed in a manner and using materials that restore the surface to a like appearance similar to adjoining surfaces	24 hrs.	10 days	6 months	Bi-Weekly					
GP/ML 13 – INCIDENT RESPONSE													
54	13.1	Appendix 6-1.1 & 6-1.2	General	Respond to incidents in accordance with the US 36 Traffic Incident Management Plan. Response times met for 98% of incidents per year on a rolling basis.	<1 hr.	N/A	N/A	As Incidents Occur					
55	13.2	Appendix 6-1.1 & 6-1.2	Hazardous Materials	Comply with requirements of Section 4.4.4 of Schedule 6 for all hazardous material spills	<1 hr.	N/A	N/A	As Incidents Occur					
56	13.3	Appendix 6-1.1 & 6-1.2	Structural Assessment	Evaluate structural damage with emergency services to ensure safe working in clearing of each incident. CDOT staff bridge must be notified immediately to complete inspection	<1 hr.	N/A	N/A	As Incidents Occur					
57	13.4	Appendix 6-1.1 & 6-1.2	Temporary and permanent remedy	Propose and implement temporary measures or permanent repairs to defects arising from each incident. Ensure structural safety of any structures affected by each incident	<24 hrs.	28 days	N/A	As Incidents Occur / As Needed					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
58		Exhibit B, Item 120, Schedule 10 Requirements	Incident Response Time	Achieve an incident response time that complies with Incident Response Plan	N/A	N/A	N/A	As Incidents Occur					
GP/ML 14 – SWEEPING AND CLEANING													
59	14.1	Appendix 6-1.1 & 6-1.2	Sweeping	Keep all channels, hard shoulders, gore areas, ramps, intersections, islands and frontage roads swept clean. Clear and remove debris from traffic lanes, hard shoulders, merges and enforcement areas. Remove all sweepings without stockpiling in the right of way and dispose of at approved site. Buildup of dirt, ice, rock, debris from accidents and otherwise, spilled materials, etc., on roads and bridges not to accumulate greater than 24" wide or 1/2" deep.	1 hr.	24 hrs.	28 days	Bi-Weekly					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
60	14.2	Appendix 6-1.1 & 6-1.2	Litter	Keep the right of way neat and remove litter regularly. Pick up large litter items before mowing operations. Dispose of litter and debris collected at an approved solid waste site. No more than 20 pieces of litter per roadside mile may be visible while traveling at a roadway speed. Litter is picked up off the roadway weekly; if in the right-of-way is every 15 days.	24 hrs.	28 days	28 days	Bi-Weekly					
GP/ ML SAFETY													
61		Exhibit B, Item 147	Adherence to Safety Plan Requirements	Concessionaire to formally establish and adhere to a policy, procedure, process, or guideline as required by the Safety Plan	N/A	N/A	N/A	As needed					
62		Exhibit B, Item 148	Adherence to Safety Plan Requirements	Concessionaire to observe the safety plan or carry out any operation or maintenance activity in contravention of (or in absence of) the safety plan or in a manner that represents a hazard to project workers or the general public in accordance with Schedule 6 of the Concession Agreement.	N/A	N/A	N/A	As needed					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
63		Exhibit B, Item 144	Reporting of Safety Related Incidents	Report safety related incidents to the HPTE <i>and copy LSG</i> within one day unless they constitute an immediate hazard (Category 1), in which case HPTE shall be notified as soon as practicable but in no case less than 1 hour from occurrence.	N/A	N/A	N/A	As needed For safety related incidents report to HPTE and copy LSG within one day unless they constitute an immediate hazard (Category 1), in which case HPTE shall be notified as soon as practicable but in no case less than 1 hour from occurrence per Tony.					
64		Exhibit B, Item 145	Courtesy Patrol	Concessionaire to provide Courtesy Patrol in accordance with paragraph 4.4.1 of Schedule 6 of the Concession Agreement.	N/A	N/A	N/A	As needed					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
65		Exhibit B, Item 146	Work Zone Safety Requirements	Concessionaire to meet requirements of work zone safety, management, maintenance of traffic and diversion routes for regular maintenance during operations.	N/A	N/A	N/A	As needed					
STAFFING													
66			Staffing Compensation	Concessionaire maintenance employees' compensation and benefits are no less than those of CDOT employees. Monitor and verify that maintenance personnel are of significant numbers and skill level.	N/A	N/A	N/A	As staff is added. Annually					
67			Use of Facility / Land	Concessionaire shall only use CDOT land for services within this contract.	N/A	N/A	N/A	As needed					
OPERATIONS, MAINTENANCE, AND LIFECYCLE PLANS													
68		Schedule 6 - Pg. 6, 1.7, 1.7.1, 1.7.1.1-1.7.1.4	Maintenance Management Plan	Concessionaire is required to prepare and update the Maintenance Management Plan on an annual basis, or as needed in accordance with Appendix 6-1 and Appendix 6-2.	N/A	N/A	N/A	Annual basis or as needed.					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates - Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
69		Schedule 6 - Pg. 10, 1.7.2-1.7.3	Operations Management Plan	Concessionaire is required to prepare and update the Operations Management Plan on an annual basis, or as needed in accordance with Section 22.4 of the Concessionaire's Agreement.	N/A	N/A	N/A	Annual basis or as needed.					
70		Schedule 6 - Pg. 8, 1.7.1.1 - O	Lifecycle Maintenance Plan for Managed Lanes	If necessary, within 90 days before the beginning of each year, Concessionaire shall prepare and submit a 5 Year Lifecycle Maintenance Plan as required by Schedule 10.	N/A	N/A	N/A	Annual basis or as needed.					
71		Exhibit B, Item 75	Lifecycle Maintenance Plan Disputes	HPTE and Concessionaire shall resolve disputes around Life Cycle Maintenance Plan within 60 days after it is provided to HPTE, or Dispute Resolution Procedures will be enacted.	N/A	N/A	N/A	Annual basis or as needed. This will pertain after the first Life Cycle Maintenance Plan after submitted on 10/2/2017 and only if there are unresolved items.					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates - Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
72		Exhibit B, Item 92	Quarterly, 1 Year, and 5 Year Work Plans	Concessionaire to produce, review and as necessary, update the following plans during the Services Period in accordance with the Concession Agreement, and Schedule 10 requirements, including but not limited to: Quarterly, One-Year and Five-Year Work Plans.	N/A	N/A	N/A	PRD sends these reports to HPTE and they are stored on the local network.					
73		Exhibit B, Item 124	Roadway Maintenance - Inspection	Identify material defects in the Inspection Reports, Lifecycle Maintenance Plan, or work currently undertaken.	N/A	N/A	N/A	As needed The 5 Year Life Cycle Maintenance Plan was received by HPTE on 10/2/17. Details are given on elements needing repair.					

Indicates - Newly Reported Item
 Indicates - Item Resolved Removing from List After Current Report
 Indicates - Item Not Inspected
 Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
74		Exhibit B, Item 125	Roadway Maintenance - Inspection / Operations	Include identified material defects in the next Life Cycle Maintenance Plan and/or the Operations and Maintenance Plan.	N/A	N/A	N/A	As needed Per Tony - I consider your tracking sheet that we discuss at the US 36 meetings to be a sufficient record of current defects on the Project.					
75		Exhibit B, Item 130	Operations Plan Compliance	Concessionaire to comply with a requirement in respect of the Operations Management Plan as required by Schedule 6 of the Concession Agreement where the failure impacts or has potential to impact on the level of service provided to users	N/A	N/A	N/A	As needed					
INCIDENT RESPONSE AND DISASTER RECOVERY PLANS													
76		Schedule 6 - Pg. 11, 1.7.4	Incident Management Plan	Concessionaire is required to prepare and update the Incident Management Plan on an annual basis, or as needed in accordance with Section 22.4 of the Concessionaire's Agreement and Schedule 10 requirements.	N/A	N/A	N/A	Annually Contained within the OMP	06/30/17, updated 09.26/17				

Indicates - Newly Reported Item
 Indicates - Item Resolved Removing from List After Current Report
 Indicates - Item Not Inspected
 Indicates - Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
77		Schedule 6 - Pg. 11, 1.7.4	Disaster Recovery Plan	Concessionaire is required to prepare and update the Disaster Recovery Plan on an annual basis, or as needed in accordance with Section 22.4 of the Concessionaire's Agreement and Schedule 10 requirements.	N/A	N/A	N/A	Annually Contained within the OMP	PRD submitted on 06/30/17 Updated 09/26/17				
78		Exhibit B, Item 121	Comply with Incident Management Plan	Comply with a requirement in respect of the Incident Management Plan as required by Schedule 6	N/A	N/A	N/A	Per Incident Per Tony's email, RSM will be monitoring Schedule 10 of that portion of Item 90 and Tony will monitor the submittal of the reports listed in Schedule 6, pgs. 13-14 from now on. Contained within the OMP	PRD submitted on 06/30/17 Updated 09/26/17				

Indicates - Newly Reported Item
 Indicates - Item Resolved Removing from List After Current Report
 Indicates - Item Not Inspected
 Indicates - Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects					Comments/Actions Taken or Required/ Functional L Location		
					Cat. 1		Cat. 2	Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Managed Lanes	General Purpose Lanes
					Hazard Mitigation	Perm. Remedy	Perm. Repair					
Inspector:					Date					Route: US-36 I-25		
EXHIBIT C - SCHEDULE 6												
MANAGED LANE COMMUNICATIONS												
79		Exhibit B, Item 85	Communication Plan	Concessionaire is required to prepare and update the Communications Plan on an annual basis, or as needed in accordance with Section 22.4 of the Concessionaire's Agreement and Schedule 10 requirements.	N/A	N/A	N/A	Annually Contained within the OMP	06/30/17, updated 09.26/17			
MARKETING PLAN												
80		Concessionaire Agreement, Section 22.4, pg. 58	Marketing Plan	Concessionaire is required to prepare and update the Marketing Plan on an annual basis, or as needed in accordance with Section 22.4 of the Concessionaire's Agreement and Schedule 10 requirements.				Annually Contained within the OMP	PRD submitted on 06/30/17 Updated 09/26/17			
MAINTENANCE MANAGEMENT INFORMATION SYSTEMS PLAN												
81		Schedule 6, Pg. 38-39, 5.0-5.1.2, Exhibit B, Item 34	Managing Maintenance	Concessionaire shall use, maintain and update the Maintenance Management Information System in accordance with paragraph 5.1 of Schedule 6.	3 days	3 days	3 days	Bi-Weekly				

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects			Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2				Managed Lanes	General Purpose Lanes
					Hazard Mitigation	Perm. Remedy	Perm. Repair					
Inspector:					Date				Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6												
REPORTS												
82		Schedule 6 - Pg. 12-14, 1.8.1-1.8.3	Monthly Reports, Operation Reports, Annual Reports and Lifecycle Reports	Concessionaire shall prepare, in the time frame prescribed, either monthly, quarterly, or annually, all the Monthly Reports, Operations Reports and Annual Reports listed in Schedule 6, pgs. 13-14.	N/A	N/A	N/A	Based on Report Per Tony - HPTE will monitor the submittal of the reports listed in Schedule 6, pgs. 13-14 from now on.				
83		Exhibit B, Item 94, Entirety of Schedule 6	Maintenance of Records	Concessionaire to keep, maintain or make available to HPTE and its designated representative any book, record, or document in accordance with Schedule 6 of the Concession Agreement and Schedule 10 requirements.	N/A	N/A	N/A	Per Tony, Schedule 10 requirements for item 82 (formerly called item 97) responsibility of RSM. (Email on file.)				
84		Exhibit B, Item 127	Maintenance of Records	Concessionaire to create the required O&M records.	N/A	N/A	N/A	Bi-Weekly HRD/LSG Monitors through SAP.				

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
MEETINGS													
85		Schedule 6 - Pg. 14, 1.9	Meetings	Concessionaire shall have monthly meetings as needed with HPTE to discuss services.	N/A	N/A	N/A	Monthly					
CONTRACTUAL COMPLIANCE													
86		Exhibit B, Item 17	Oversite of Changes to Approved Personnel	Concessionaire will maintain a list of parties with approved access to the facilities and will refuse entry to parties refused access by HPTE.	N/A	N/A	N/A	If observed – LSG to Notify PRD					
87		Exhibit B, Item 33	Oversite of Lifecycle Maintenance Plan Costs and Tasks	Concessionaire will perform Non-Separable Tasks per the Life Cycle Maintenance Plan as agreed to by HPTE.	N/A	N/A	N/A	As needed					
88		Exhibit B, Item 48	Verify Reporting	Concessionaire shall meet each and every obligation.	N/A	N/A	N/A	As needed					
89		Exhibit B, Item 52	Noncompliance Points Assessment	Ongoing compliance with Schedule 6	N/A	N/A	N/A	As needed					
90		Exhibit B, Item 53	Managed Lanes Availability	Managed lanes will be available.	N/A	N/A	N/A	As needed					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved

Item No.	Element Reference No.	REF Document	Element	Concessionaire Expectation	Concessionaire Response to Defects				Frequency of Monitoring HDR/LSG	Scheduled Inspection Date	Inspection Completed (X)	Comments/Actions Taken or Required/ Functional L Location	
					Cat. 1		Cat. 2	Managed Lanes				General Purpose Lanes	
					Hazard Mitigation	Perm. Remedy	Perm. Repair						
Inspector:					Date					Route: US-36 I-25			
EXHIBIT C - SCHEDULE 6													
QUALITY MANAGEMENT													
91		Schedule 6, 1.7.3, Exhibit B, Item 78	Quality Documentation	Concessionaire will prepare, implement, and continually maintain project quality management documentation	N/A	N/A	N/A	Annually (Same as Operations Maintenance Plan & Maintenance Management Plan)					
92		Exhibit B, Item 129	Requirements of Quality Management Plan	Concessionaire to establish, maintain, update or comply with any requirement of a Quality Management Plan in accordance with Section 25 of the Concession Agreement	N/A	N/A	N/A	Annually (Same as Operations Maintenance Plan & Maintenance Management Plan)					

Indicates - Newly Reported Item

Indicates - Item Resolved Removing from List After Current Report

Indicates - Item Not Inspected

Indicates – Indicates Item Not Resolved