



# Quarterly Status Report

April 2022 through June 2022



PREPARED BY:



**COLORADO**  
Department of Transportation

IN CONSULTATION WITH:



**COLORADO**  
Department of Transportation  
Statewide Bridge Enterprise

**DATE:** July 25, 2022

**TO:** Colorado Transportation Commission (TC)  
Colorado Transportation Investment Office (CITO) Board of Directors (formerly the Colorado High Performance Transportation (HPTE))  
Colorado Bridge and Tunnel Enterprise (BE) Board of Directors

**FROM:** Robert Hays, Project Director, Central 70 Project

**SUBJECT:** Quarterly Update

### PROJECT PROGRESS

This memo summarizes the status of the Central 70 Project across the following areas:

- Status of Design and Construction
- Status of Pre-Development Budget
- Status of Community Commitments

### ACTION

No actions are requested at this time. This memo is for information purposes only.

### BACKGROUND

Per the Amended and Restated Central 70 Project Intra-Agency Agreement (IAA) dated September 14, 2021, the Central 70 Project Director shall provide quarterly updates to the Transportation Commission, Colorado Bridge and Tunnel Enterprise (BE) Board of Directors, and the Colorado High Performance Transportation Enterprise (HPTE) Board of Directors through Final Acceptance.

### MATTERS REQUIRING POLICY INPUT

None at this time.

### COMPLETED MILESTONES THIS QUARTER

April 2022 through June 2022

- Continued work on bridge finishes for the I-70 bridge over Brighton Boulevard.
- Finished replacing Stapleton Drive signage throughout the project limits in accordance with Transportation Commission directive.
- Continued working on punch list items and remaining incomplete work in Milestone 1 and Milestone 2B.
- Continued construction of the City and County of Denver (CCD) portion of the Cover Building.
- Continued work on Eastbound (EB) I-70 median barrier.

- Continued reconstruction of the Swansea parking lot and playground.
- Completed work on the UPRR bridge, including placing the last girders for service bridge (Phase 6).
- Continued installation of the Intelligent Transportation Systems (ITS) devices east of Sand Creek and permanent fiber optic cabling from Node 1 to the Airport Road Node building.
- Continued punchlist work of Airport Node building.
- Continued garden roof assembly waterproofing on the Cover Top.
- Continued retaining walls and miscellaneous concrete work and began grading and amenities installation on the Cover Top.
- Finished construction of drainage, walls, utilities, roadway, and paving for future EB I-70 in anticipation of July 15 traffic switch.
- Continued construction of East 46<sup>th</sup> Avenue South, including roadway, walls, utilities, and drainage.
- Continued miscellaneous work in the Brighton East and West ponds.
- Completed placement of Mechanical, Electrical and Plumbing (MEP) systems at the Cover, including jet fans. System testing is completed and ready for commissioning in July prior to traffic switch.
- Finished construction on the Fire Control Center (FCC) room for the EB I-70 lanes.
- Completed soil mixing for drainage systems for EB I-70 lanes from Columbine Street to UPRR.
- Completed the placement of wall panels from Colorado Boulevard to Brighton in EB I-70 lowered section as walls are excavated.
- Continued working on various stormwater retention pond certifications from Brighton Boulevard to Peoria Street.
- Continued construction on the I-70 sign structures and roadway finishes west of Colorado Boulevard.
- Completed repairs to the York Street over I-70 bridge.
- Continued drainage crossing under the Regional Transportation District (RTD) and UPRR tracks at Colorado Boulevard.
- Continued remaining work at Safeway property adjacent to the Colorado Boulevard on-ramp to EB I-70.
- Began testing Express Lanes tolling infrastructure and equipment.

## UPCOMING MILESTONES

### July 2022 through September 2022

- I-70 traffic switch into EB Cover occurs the weekend of July 15.
- Begin far east pavement overlays from I-225 to Chambers Road.
- Demobilize UPRR field trailer and commence site restoration.
- Complete commissioning of EB I-70 Cover.

- Complete removal/relocation of temporary Cover systems equipment and infrastructure (cross passage doors, wall panels barrier, lighting, speakers and cameras) installed to support I-70 bi-directional traffic in WB Cover
- Complete Swansea Elementary playground and parking lot prior to school opening on August 22.
- Complete SMA paving of WB I-70 west of Colorado Boulevard.
- Complete all I-70 overhead sign structures west of Colorado Boulevard.
- Begin 70 day ETC Tolling equipment burn-in.
- Continue punch list item work for all segments.
- Continue work on South 46<sup>th</sup> between Brighton Boulevard and York Street.
- Complete paving and intersection reconstruction on Columbine and Clayton streets adjacent to the Cover Top.
- Continue York pond excavation and roadway reconstruction work.
- Continue miscellaneous work on local streets and intersections between Colorado and Brighton Boulevards.
- Complete CCD and CDOT buildings on the Cover.
- Continue to work on all remaining Cover Top items, including turf field, fencing, lighting, amphitheater, shade structures, and splash pad.
- Begin landscaping on Cover Top and at Swansea Elementary School.
- Continue I-70 ITS device integration with CDOT ITS group.

## LAWSUIT UPDATE

All lawsuits associated with the Project to date have been resolved.

As part of the settlement agreement with the Sierra Club plaintiffs (Sierra Club, Elyria and Swansea Neighborhood Association, Chaffee Park Neighborhood Association, and Colorado Latino Forum), CDOT funded a health study of the Elyria-Swansea neighborhoods. The Colorado Department of Public Health and Environment (CDPHE) is leading this effort on behalf of the State. CDPHE signed a contract with ENVIRONS and Colorado State University (CSU) to conduct the study in March 2022 and the study is underway.

## ISSUES

Milestone 1 was previously achieved by KMP on December 9, 2019. The Enterprises issued a change order to KMP to correct drainage and cross slope issues on I-70 east of I-225 and this work is nearing completion, with only minor elements remaining to complete. KMP continues to work on remaining Milestone 1 punch list items with an anticipated completion in September 2022.

The Enterprises and KMP continue to implement lessons learned from the Westbound (WB) I-70 Cover commissioning process for the Cover over EB I-70 (scheduled for early July). The structure and systems (lighting, fire-life safety, and ventilation) for the Cover over EB I-70 are complete and systems testing and integration is on-going. Engagement with the Denver Fire

Department (DFD) continues with DFD testing scheduled for early July 2022 and commissioning of the EB I-70 Cover completed by July 15, 2022. The final DFD approvals will occur once KMP removes the temporary fire-life safety infrastructure that was installed in the WB I-70 Cover to allow bi-directional travel during construction.

The Enterprises, KMP, and the City and County of Denver continue to work through design and submittal comments on the Cover Top from Denver Parks and Recreation (DPR) and other City entities. All parties continue to work together making progress towards resolution of these comments. The Change Order for the DPR requested modifications to the Cover Top irrigation has been sent to KMP for signature. The Enterprises are currently negotiating pricing with KMP on changes requested by the City and County of Denver Tech Services on the Closed Circuit Television (CCTV) system for the Cover Top.

The Enterprises accepted Revised Baseline Schedule 6 (RBS6) in June, which re-sequences and accelerates the Work in the lowered section to achieve Substantial Completion by late December 2022/early January 2023.

KMP continues to work with Jorgenson (the Operations and Maintenance (O&M) Contractor) on updating various management plans and submittals required for the Operating Period. Jorgenson did identify the replacement O&M Manager this period and this individual is now engaged on the project. The Enterprises continue to monitor and have regular discussions with KMP regarding the status of the Operating Period submittals and plans.

During the month of March 2020, a global pandemic (COVID-19) was declared by the World Health Organization (WHO). Federal, State, and Local leaders have all implemented mitigation measures to reduce the spread of COVID-19. These measures have ultimately reduced physical contact and person to person interactions.

As of this Quarter, the impacts of COVID-19 continue to linger in the community. Vaccinations and treatments are readily available, and all members of the project are encouraged to get vaccinated. At the project level, safety precautions such as face masks and social distancing continue to follow federal and state guidelines. Both KMP and the Enterprises are requiring all staff to work remotely if they are feeling ill, regardless of symptoms. KMP continues to update the Safety Management Plan for the project to address the current safety protocols. Staff have returned to the project office, either full time or in a hybrid model. However, large project meetings continue in a virtual format to minimize the potential for COVID-19 transmission.

COVID-19 continues to be monitored by the Enterprises but has not impacted the project schedule at this time. KMP has indicated that some supply chain issues with raw materials, ITS/CCTV equipment, and other project elements exist, but KMP to date has been able to either identify alternate suppliers or accommodate extended procurement timeframes within the project schedule.

Supervening Events (SE) are summarized in the table below (shading indicates the SE is closed). KMP submitted three new SEs during this Quarter. These SEs are all related to Recognized Hazardous Materials (RHMs) that were discovered on the project. SEs 44 and 45 relate to asbestos containing material found during excavation activities. SE 46 relates to an unknown underground storage tank filled with fuel oil that was discovered during excavation for the new Swansea Elementary School playground.

SEN #	Description	Date Received from KMP	Type of SEN	Status
1	UPRR Agreement Delay, Request for Extension to Detailed Supervening Event Submission	04/25/2018	Comp Event	Resolved with 2 <sup>nd</sup> Amendment to the Project Agreement
2	UPRR Phase 0 Work Delay	03/23/2018	Comp Event	Resolved with 2 <sup>nd</sup> Amendment to the Project Agreement
3	UPRR Work Performance Schedule	03/23/2018	Delay Relief Event	Withdrawn by KMP
4	Section 232 Steel and Aluminum Tariffs	08/13/2018	Relief Event	Resolved with 2 <sup>nd</sup> Amendment to the Project Agreement
5	Swansea Asbestos Containing Material	07/07/2018	Comp Event	Change Order was executed on 09/03/2019
6	AP-83 Asbestos Containing Material	10/10/2018	Comp Event	Withdrawn by KMP
7	Sand Creek Bridge	11/20/2018	Comp Event	Change Order was executed on 05/06/2020
8	UPRR Crossing Diaphragm Spacing	12/17/2018	Delay Relief Event	Closed. Included in 2021 Memorandum of Settlement
9	Structure E-17-FX Viaduct	12/17/2018	Comp Event	Withdrawn by KMP
10	UPRR Transverse Plate Welding	02/22/2019	Delay Relief Event	Closed. Included in 2021 Memorandum of Settlement
11	UPRR Underside Plate Welding	02/22/2019	Delay Relief Event	Closed. Included in 2021 Memorandum of Settlement
12	UPRR Drip Plates	02/22/2019	Comp and Relief Event	Withdrawn by KMP
13	UPRR Bearings	02/22/2019	Comp and Relief Event	Withdrawn by KMP
14	UPRR Impact Loading	02/22/2019	Delay Relief Event	Closed. Included in 2021 Memorandum of Settlement
15	UPRR Rebar Detailing	02/22/2019	Delay Relief Event	Closed. Included in 2021 Memorandum of Settlement
16	Severe Weather Event - Bomb Cyclone	03/27/2019	Relief Event	Withdrawn by KMP
17	UPRR Shoring	03/28/2019	Comp Event	Closed. Included in 2021 Memorandum of Settlement

SEN #	Description	Date Received from KMP	Type of SEN	Status
18	UPRR Shoring Unexcused RR delay	03/28/2019	Delay Relief Event	Closed. Included in 2021 Memorandum of Settlement
19	AP-102 Hazardous Material	03/27/2019	Comp Event	Withdrawn by KMP
20	Reserved			Not submitted to Enterprises
21	UPRR Steel Notes	05/02/2019	Comp Event	Closed. Included in 2021 Memorandum of Settlement
22	UPRR Steel Notes Relief	05/02/2019	Delay Relief Event	Closed. Included in 2021 Memorandum of Settlement
23	Recognized Hazardous Material (RHM) 46 <sup>th</sup> and Steele Southwest Gore Asbestos	05/29/2019	Comp Event	Withdrawn by KMP
24	UPRR Crossing Diaphragm Spacing	06/14/2019	Comp Event	Closed. Included in 2021 Memorandum of Settlement. Related to SE Event 8
25	UPRR Transverse Plate Welding	06/19/2019	Comp Event	Closed. Included in 2021 Memorandum of Settlement. Related to SE Event 10
26	UPRR Underside Plate Welding	06/28/2019	Comp Event	Closed. Included in 2021 Memorandum of Settlement. Related to SE Event 11.
27	Reserved			Not submitted to Enterprises
28	Reserved			Not submitted to Enterprises
29	UPRR Impact Loading	06/28/2019	Comp Event	Closed. Included in 2021 Memorandum of Settlement. Related to SE Event 14.
30	UPRR Rebar Detailing	06/28/2019	Comp Event	Closed. Included in 2021 Memorandum of Settlement. Related to SE Event 15.
31	UPRR Drainage Review	08/22/2019	Comp Event	Closed. Included in 2021 Memorandum of Settlement.
32	UPRR Drainage Review	08/22/2019	Delay Relief Event	Closed. Included in 2021 Memorandum of Settlement. Related to SE Event 31.
33	UPRR Unreasonableness	08/22/2019	Comp Event	Closed. Included in 2021 Memorandum of Settlement.
34	UPRR Unreasonableness	08/22/2019	Delay Relief Event	Closed. Included in 2021 Memorandum of Settlement. Related to SE Event 33.
35	Fire Department Review	12/26/2019	Delay Relief Event	Closed. Included in 2021 Memorandum of Settlement.

SEN #	Description	Date Received from KMP	Type of SEN	Status
36	Fire Department Review	12/26/2019	Relief Event	Closed. Included in 2021 Memorandum of Settlement. Related to SE Event 35.
37	Discovery of Recognized Hazardous Material – Dahlia & Stapleton Asbestos-Containing Material (ACM)	01/31/2020	Comp Event	Withdrawn by KMP
38	Enterprises’ Failure to Grant and Extension of Time	04/14/2020	Comp Event	Closed. Included in 2021 Memorandum of Settlement.
39	Swansea School Asbestos Containing Material – Phase 2	05/04/2020	Comp Event	Change Order was executed on 09/13/2021.
40	Shutdowns, Suspensions, Disruptions and Other Impacts Related to COVID-19	05/21/2020	Comp Event	Withdrawn by KMP
41	Shutdowns, Suspensions, Disruptions and Other Impacts Related to COVID-19	05/21/2020	Force Majeure, Delay and Relief Events,	Withdrawn by KMP
42	Discovery of Recognized Hazardous Material – 46 <sup>th</sup> & Jackson RHM	06/15/2020	Comp Event	Withdrawn by KMP
43	Discovery of Recognized Hazardous Material – 46 <sup>th</sup> & Pilot ACM	07/30/2020	Comp Event	Withdrawn by KMP
44	RHM – E 46th S between Milwaukee and Steele ACM	04/20/2022	Comp Event	Waiting on Detailed Supervening Event Submission
45	RHM – I-70 and Coliseum	05/16/2022	Comp Event	Waiting on Detailed Supervening Event Submission
46	Swansea Underground Storage Tank	06/15/2022	Comp Event	Waiting on Detailed Supervening Event Submission

### SCHEDULE STATUS

KMP reported that the Project is 90.7% complete through June 2022. Design is 100% complete and construction is 89.8%.

The Enterprises accepted Revised Baseline Schedule 6 (RBS6) in June 2022. RBS6 reflects KMP’s resequencing of the remaining construction work west of Colorado Boulevard and will improve the Milestone and Substantial Completion dates shown in RBS5. The Critical Path of the Project shifted this Quarter due to quicker than anticipated construction progress on the Cover and EB I-70. The Critical Path now begins with the preparation, submittal, and approval of the Letter of Map Revisions for the Sand Creek Overflow channel, with the anticipated FEMA approval in January 2023 driving Substantial Completion.



For Milestone 5B, KMP completed installation of the cover fire protection system for the EB I-70 Cover and began systems testing and cover systems commissioning. Testing and commissioning is anticipated to be completed in early July. EB I-70 traffic will then be placed into the future EB lanes of the lowered section the weekend of July 15, 2022. After EB I-70 traffic is placed into the future EB lanes, median barrier construction will be completed east of Brighton Boulevard and west of Colorado Boulevard where temporary ramps are currently in place for the temporary I-70 head-to-head condition, and top lift paving will be performed in the WB I-70 lanes in the lowered section. This work is anticipated to be completed in September 2022.

Construction continues west of Brighton Boulevard, with barrier reconstruction for the installation of new sign structure foundations nearing completion. Construction of the UPRR Access Road Bridge (Phase 6) was completed this period and work continues on miscellaneous remaining items at UPRR, including lighting, minor drainage, site restoration, and punch list. The UPRR construction trailer will be demobilized in July. York bridge repairs are complete, and the construction of 46th Avenue South continues between York and Steele Streets. Cover Top construction continues, with wall and planter box placement in progress, and installation of the garden roof assembly and light weight fill material placement underway. Tolling equipment and integration by ETC began this period and system testing is anticipated to commence in late July or early August.

Punch list work associated with Milestone 2B nears completion in the Center Segment. Work associated with Change Order 081 east of Peoria Street is nearly complete, with barrier placement and pavement striping remaining to be completed in late summer 2022. Following completion of this work, the punch list will be developed, and Substantial Completion will be achieved in early January 2023.

The table below provides a summary of the current status of the project Completion Milestones.

Event	Baseline Date	Forecast Date	Status
Commercial Close	11/21/2017	NA	Completed 11/21/2017
Financial Close	12/21/2017	NA	Completed 12/21/2017
NTP1	02/09/2018	NA	Completed 02/09/2018
NTP2	06/01/2018	NA	Completed 07/10/2018
NTP3 (Snow and Ice Control Services)	07/01/2018	NA	Completed 07/18/2018

Payment Milestone 1 (Sand Creek Bridge to Chambers Road)	12/09/2019	NA	Completed 12/09/2019
Milestone 2A* (WB I-70 between Monaco and Colorado; outside bridge decks complete)	11/10/2020	N/A	Completed 11/05/2020
Milestone 2B* (Sta 2091+00 (Dahlia Street) to Sand Creek Bridge)	09/29/2021	N/A	Completed 09/29/2021
Payment Milestone 3* (UPRR Phase 4B, switch SY-112 to new bridge)	10/17/2020	N/A	Completed 10/17/2020
Payment Milestone 4A* (UPRR Phase 5)	09/26/2021	N/A	Completed 09/26/2021
Payment Milestone 4B* (Viaduct Demolition)	12/20/2021	N/A	Completed 09/29/2021
Payment Milestone 5A* (Cover Girders, EB Colorado Off-Ramp, EB I-70 Mass Excavation)	03/25/2022	N/A	Completed 03/25/2022
Payment Milestone 5B* (EB I-70 between Brighton Boulevard to Dahlia Street, UPRR Phase 6, WB I-70 SMA Paving)	10/28/2022	09/19/2022	39 days
Payment Milestone 6* (Cover Top, 46 <sup>th</sup> Avenue South)	11/23/2022	11/10/2022	13 days
Complete Intelligent Transportation System(s) (ITS)/Tolling Testing/Integration	02/15/2023	10/31/2022	107 days
Substantial Completion	02/16/2023	01/13/2023	34 days
Final Acceptance	07/29/2023	06/25/2023	34 days
Design/Build Phase Close-out**	01/29/2024	12/25/2023	34 days
*Modified as part of the Fourth Amendment to the Project Agreement. ** Completion of Final project documentation.			

## BUDGET STATUS

The project budget reflects the 2022 Annual Update to the Financial Plan that was approved by FHWA in April 2022.

<b>Enterprises Costs Estimate</b>	<b>Amount</b>
Environmental Phase	<b>\$40.7M</b>
Procurement Phase	<b>\$83.7M</b>
Delivery Phase	<b>\$53.1M</b>
Miscellaneous Enterprise Reserve*	<b>\$1.2M</b>
ROW Phase	<b>\$116.7M</b>
Utility Phase	<b>\$34.7M</b>
Enterprises Construction Contingency	<b>\$45.9M</b>
<b>Enterprises Construction Total</b>	<b>\$378.4M</b>

\*Included in Delivery Phase Amount

Included in the funds listed in the above table, the Enterprises have established an Enterprises Construction Contingency (funded by the Department and Colorado Bridge and Tunnel Enterprise) to cover additional costs due to Supervening Events and Change Orders during the construction phase of the Project. Per the Project Agreement, the Enterprises have the option of paying KMP for changes via a lump sum payment or by adjusting the annual availability payment. The current balance of this contingency fund is provided in the table below.

The Enterprises have reallocated funds from cost underruns in the Utility and Delivery Phases of the Project to supplement the Project Contingency this period. The Utility Phase of the Project realized cost savings due to the Burlington Northern Sante Fe (BNSF) and UPRR railroad agreement (RRA) actual construction costs being lower than originally estimated. As the BNSF and UPRR RRA work, for which the Enterprises were responsible to pay the railroads directly, has completed, the Enterprises elected to reallocate \$11M from the unused Utility Phase funds to cover project contingency overruns. The Utility Phase still maintains an unused balance of over \$1M that will not be reallocated until the UPRR and BNSF final invoices are settled. In addition, the Miscellaneous Enterprise Reserve from the Delivery Phase is also anticipated to have remaining funds available at Substantial Completion based on actual costs to date. The Enterprises continue to monitor these cost underruns in the Utility and Delivery Phases as the Project approaches Substantial Completion. The Project has sufficient budget to cover all identified costs.

Contingency	Amount (in millions)
Enterprises Change Order/Supervening Event Initial Contingency	\$45.9M
Enterprises Transfer of Unused Funds from Utility and Delivery Phases to Change Order/Supervening Contingency	\$11.0M
Executed Change Orders – Previous	\$26.6M
Executed Change Orders – Current Quarter	\$0.2M
Settlement Agreement	\$7.6M
2021 Settlement Agreement (Base)	\$12.5M
2021 Settlement Agreement (Incentive)	\$2.5M
<b>Remaining Enterprises Change Order/Supervening Event Contingency Balance</b>	<b>\$7.5M</b>

### CONTRACT CHANGE NOTICES

As of June 30, 2022, the Enterprises have executed (117) Change Orders, issued (74) Enterprise Change Notices, received (37) KMP Change Notices, issued (31) Directive Letters, received (43) Supervening Event Notices, received (41) Preliminary Supervening Event Submissions, and received (23) Detailed Supervening Event Submissions. The change orders executed to date have had a net cost of \$26.8 million to the Project.

No claims have been filed by KMP against the Project.

## QUALITY

KMP is responsible for implementation and maintenance of an effective quality program to manage, control, document and ensure KMP compliance with all obligations and requirements in the Central 70 Project Agreement. The Enterprises implement the quality oversight program to monitor KMP's quality program but are not responsible for implementation of KMP's quality program. However, the Enterprises retain the responsibility for acceptance of the work based on the assessment and test results of the quality oversight program summarized below.

**Owner Verification Testing:** Other than as detailed in the Enterprises' Quality Report to the Federal Highway Administration (FHWA), the Enterprises' Owner Verification Testing (OVT) program has statistically verified and validated that all materials placed by KMP are in full conformance with Project Agreement requirements.

**Independent Assurance Testing (IAT):** The Enterprises' IAT program tests each OVT and Independent Quality Control (IQC) tester for each test procedure at least once per year. The Enterprises have determined that all Owner Verification and KMP IQC testers are qualified to test on the Project through June 2022.

**Construction Verification Inspections (CVI):** The Enterprises' CVIs evaluate KMP compliance with Project Agreement (PA) requirements by assessing a risk-based percentage of their Construction Work. All non-conforming work identified by the Enterprise is resolved through KMP's nonconformance report closure process. From April 2022 through June 2022, the Enterprises' conducted 142 CVIs, yielding a 99 percent overall conformance percentage. For the entire project through June 2022, the Enterprises' have conducted 2,695 CVIs, yielding a 95 percent overall conformance percentage. KMP continues to perform well for permanent construction work such as Electrical/ITS, Structures, Walls, Roadway, Earthwork, Cover, and Utilities. All nonconforming construction work identified by either KMP or the Enterprises has been properly addressed through the Nonconformance Reports (NCR) process.

**Project Management Process Audits:** The Enterprises' Project Management Process Audits evaluate KMP compliance with the PA and processes prescribed in KMP's approved Management Plans. From April 2022 through June 2022, the Enterprises' conducted 19 process audits, yielding an 87% percent overall conformance percentage (excluding civil rights audits). For the entire Project through June 2022, the Enterprises' conducted 715 process audits, yielding an 89 percent overall conformance percentage (excluding civil rights audit). Notable and outstanding process quality issues for this reporting period are presented below. This list includes all of the open Corrective Action Requests (CAR).

Element	Process	Issue	Status
Construction Quality Management	Cover MEP Systems – Requirements Traceability Matrix (RTM)	On 06/03/2021 the Enterprises requested that KMP develop a corrective action plan to address systemic Nonconforming Work related to Schedule 10, Section 12.22 traceability and management of the Cover MEP System requirements.	In August 2021, the Department Approved KMPs corrective action plan to address this issue. To close the CAR, KMP must demonstrate successful implementation of the plan by holding successful Pre-Activity Meetings and submitting test scripts/results for the upcoming Cover MEP work on the south bore. The Department expects that this will remain open until fall 2022. <b>OPEN</b>
Construction Quality Management	As-Built Verification for Invert Elevations of Drainage Structures	KMP found that multiple drainage structures along the Fixed Firefighting Suppression drainage system were out of tolerance, leading to negative flow. In September 2021, KMP notified the Department that they do not have records verifying the invert elevations of all the other drainage structures that they had placed on the Project.	In September 2021, the Department Approved KMPs corrective action plan to address this issue. KMP plans to go back and re-survey all invert elevations for previously placed structures. They will also revise the PC Drainage checklist to ensure that they document invert elevations before building on top of the structures. As of June 2022, KMP has not finished surveying the inverts of drainage structures in the Center Segment. The Department expects that this will remain open until fall 2022. <b>OPEN</b>
Operations and Maintenance	Operations and Maintenance Quality Management Plan (OMQMP)	KMP issued a corrective action to address the OMQMP and discrepancies between what was detailed in the plan and what has been implemented in the field. This Corrective Action was developed in response to various deficiencies in implementation observed in the field.	For Closure, KMP needs to resubmit the OMQMP and then properly implement the plan for a quarter. KMP submitted a draft of the OMQMP to the Department in March 2022. The Department expects that this Corrective Action will remain open through the fall 2022. <b>OPEN</b>

Element	Process	Issue	Status
Construction Quality Management	ITS	In February 2022, KMP notified the Department of damaged ITS fiber for the new CDOT backbone. This was the second instance of damaged backbone on the Project. The damage was caused by careless splicing procedures. This CAR is to document process changes with splicing and protection of finished fiber.	KMP has described the plan to revise splicing procedures and protect fiber in the Quality and ITS Task Force meetings. The Department Approved the Corrective Action Plan in May 2022. This will remain open until we receive passing test results for the splice. KMP must not have any repeat instances. The Department expects that this Corrective Action will remain open through the fall 2022. <b>OPEN</b>

**Design Verification Reviews (DVR):** The Enterprises’ DVRs evaluate KMP compliance with PA requirements by assessing KMP’s design plans and other deliverables. From April 2022 through June 2022, the Enterprises’ conducted 29 DVRs yielding a 98 percent overall conformance percentage. For the entire Project, the Enterprises conducted 1,316 reviews, yielding an 86 percent overall conformance percentage. All noncompliant design identified by the Enterprises is resolved prior to KMP releasing the plans for construction. Additionally, KMP and the Enterprises issue NCRs for design issues that are identified during performance of construction work. The nonconforming design is then resolved prior to construction acceptance. Since there has not been any known noncompliant design incorporated into the permanent work, there are not any notable design issues identified by the Enterprises and/or KMP for this reporting period.

### MAINTENANCE/TRAFFIC ISSUES

The focus of routine maintenance work for this reporting period included pavement repair, fence repair, snow and ice plowing, litter control, sweeping cycle, traffic services inspections, guardrail repair, graffiti removal, single-post and multi-post sign maintenance and resolution of any safety critical or hazardous defects which occurred during the reporting period.

The construction assessment team has been performing weekly assessments of the Maintenance of Traffic (MOT)/Method(s) of Handling Traffic (MHT) setups. Any issues are being communicated with and addressed by KMP.

### SAFETY ISSUES

KMP continues to have zero recordable events for this quarter, keeping the total at 12 for the project. “Play of the Day” meetings are held daily, and safety topics are discussed with the crews. KMP performs after-incident investigations and discusses root cause and preventative measures for each incident. KMP continues to perform “Safety Adventures” where a discipline

goes and audits an operation daily and discusses their findings during the “Play of the Day” meeting. These include best practices, lessons learned and issues that were found.

Safety Patrol responded to 1,015 events during this reporting period. This total includes 194 crash/incidents.

## CIVIL RIGHTS STATUS

### Small Business Disadvantaged Business Enterprise (DBE)/Emerging Small Business (ESB) Goals

Design Status through the 2nd Quarter 2022: KMP’s DBE goal for the design is 11.6% (\$7.03 million). KMP has commitments to DBE design firms of 13.59% (\$8.23 million) and payments to DBE design firms of 12.94% (\$7.84 million); the commitment amount exceeds the KMP DBE goal for the design period. KMP’s ESB goal for the design period is 3.0% (\$1.8 million). KMP has commitments to ESB design firms of 9.33% (\$5.61 million) and payments to DBE design firms of 9.13% (\$5.53 million); the commitments and payments exceed the ESB goal for design for the Project.

Construction Status through the 2nd Quarter 2022: KMP’s DBE goal for the construction is 12.5% (\$94.6 million). KMP has commitments to DBE construction firms of 17.91% (\$135.5 million) and payments of 117.60% (\$133.1 million); this exceeds the KMP DBE goal for the construction period. KMP’s ESB goal for the construction period is 3.0% (\$22.7 million). KMP has commitments to ESB construction firms of 10.39% (\$78.65 million) and payments of 8.52% (\$64.45 million); this exceeds KMP’s ESB goal for construction for the Project.

### Workforce Development Program and Goals

The WORKNOW program combines construction workforce training and supportive service programs into one coordinated program. The Central 70 Project is a founding partner of WORKNOW. For further information on the WORKNOW Program please go to: <https://worknow.org/accomplishments-to-date/>

During the COVID-19 crisis, coordination with WORKNOW regarding virtual outreach increased. WORKNOW continued providing services to both employed and laid off construction workers, while enacting proper health mitigation measures. In partnership with WORKNOW, the Central 70 team developed a workforce presentation that has been shared during virtual Community Office Hours and other virtual hiring events

KMP and its subcontractors have enrolled local hires for both professional services and construction. They have enrolled 689 local hires to date. This quarter, KMP met the Local Hire Goal by recording 1,221,859 Local Hire hours with more than 50% of those hours completed by New Hires. KMP is now tracking additional New Hire hours to achieve the additional New Hire financial incentive.

KMP has enrolled 282 On-the-Job Training (OJT) participants since inception. To date, 332,236.90 OJT hours have been reported. Based on hours reported, the OJT Goal of 200,000 hours has been met.

### MITIGATION/COMMUNITY COMMITMENTS STATUS

As of the date of this report, all the identified Record of Decision (ROD) mitigation measures are either in progress or completed.

The ROD included 146 mitigation commitments to be completed as part of the project. The mitigation commitments are being completed in conjunction with the construction work and are being tracked by the Enterprises and KMP in the Monthly Environmental Status Report (ESR). This Project is unique in that the core feature of the project—lowering the highway and constructing a Cover/park that will link the two sides of the community back together—was developed to address Environmental Justice (EJ) concerns that arose from original highway construction back in the 1960s. In addition to the Cover and park, the Central 70 Project includes other unique EJ mitigations such as the recognition of the importance of the Swansea Elementary School as a community center. These mitigations include two new early childhood education classrooms, a new heating and air conditioning (HVAC) system, new exterior windows and doors, a relocated and renovated main entrance and administration offices, and a new playground at the Swansea Elementary School. The table below provides the status of the EJ mitigations.

Mitigation	Status	Notes
Targeted assistance to crucial businesses to remain in the neighborhood.	Complete	Assistance was provided to all businesses that were displaced by the project per the Uniform Act. All impacted businesses have been completed and reestablished in their new location per the Uniform Act. KMP will continue the Community Outreach for businesses within the project area.
Provide funding to assist displacees with financial counseling and procurement of financing.	Complete	Funding has been provided through Community Resources and Housing Development Corporation (CRHDC)
Provide before, during, and after environmental sampling to assure the project has not caused re-contamination of residential properties.	Complete	Pre-construction soil sampling on seven residential properties was completed in June 2018. During construction soil sampling on seven residential properties was completed in August 2020.



Mitigation	Status	Notes
Mitigate noise and dust impacts by providing residents living adjacent to the project new storm windows, furnace filters, and air conditioning units.	Complete	Assessments and installations of improvements were completed on 03/14/2019. Ongoing warranty work and energy credits will continue through the Construction Period.
Fresh Food Access – Provide \$100,000 to Denver Office of Economic Developments Globeville Elyria-Swansea (GES) Healthy Food Challenge.	Complete	The Enterprises transferred funds to the City and County of Denver in early November 2018; an initial report was received by the Enterprises in July 2019.
Provide \$2M in funding to support affordable housing in Elyria and Swansea neighborhoods.	Complete	The Enterprises transferred funds to Brothers Redevelopment in late November 2018; quarterly reports began in 2019.
Monetary Incentive for Managed Lanes	In Progress	HPTE finalizing details of GES low income program.
Swansea Elementary Phase 1	Complete	Retrofit school building with new classrooms, windows, doors, and HVAC system
Swansea Elementary Phase 2	Complete	Modify outdoor areas around school to provide playground, parking, and access roads during construction period.
Swansea Elementary Phase 3	Complete	Construct temporary outdoor features including playground, parking, and access roads.
Swansea Elementary Phase 4	In Progress	Design in complete. KMP began construction in late March 2022 along with the Cover Top. Anticipated to complete in Fall 2022.

### COMMUNITY ENGAGEMENT

The Enterprises, supported by KMP, is responsible for communicating with citizens, the media, public officials and other stakeholders regarding the Project.

Public Information efforts continue to take a two-pronged approach by focusing outreach with commuters and residents through various social media outlets, ongoing presentations and check-in calls. The Public Information (PI) team also continues using various outreach tools to alert the public about upcoming traffic and construction impacts.

The PI team geared up for the final eastbound “1,2, Shift” between Washington Street and I-270 in July 2022. In advance of this traffic shift, there was a series of Project tours conducted for PI officials, community members, and Spanish and English media outlets. Yard signs and

sidewalk chalk messages were displayed within the Project limits to bring awareness to the general public about this shift.

Yard signs and stenciled messages were also used throughout the Globeville, Elyria-Swansea neighborhoods to promote safety for students during summer vacation and to urge drivers to “Slow Your Roll” in residential areas.

A Telephone Town Hall was held in mid-July to inform the general public about overall Project updates, Express Lanes and the upcoming final westbound shift.

In addition, the PI team is coordinating a Swansea Elementary School playground event to celebrate the newly constructed permanent playground. Baked goods and donated frisbees with student artwork illustrating how students “envision themselves playing on the new playground” will be distributed during this celebration. This is anticipated to be held in mid-August.

The team is hosting its last Coffee & Chat in July but will continue hybrid in-person and virtual community office hours. Chips & Chat will remain virtual through the end of the year due to the greater number of people who participate virtually compared to those who attended in person before COVID-19.