



COLORADO

Department of Transportation

I-270 Critical Bridge Replacements CM/GC Project Optional Information Meeting

October 13, 2022



Purpose of Meeting

- Introduce Proposers to the Project and the Project Team
- Review the Alternative Delivery Recommendation
- Project Schedule Update
- Q & A





Project Team

CDOT Region 1, North Program Area
Program Engineer - Stephen Henry, PE
Project Director - Katie Dawson, PE
CDOT Design Project Manager - TBD
CDOT Project Engineer - TBD
CDOT Assistant Project Engineer - Matt Brahler, PE
Administrative Assistant - Fiona Jensen
Owners Representatives - TBD

Design Consultant
TBD

CM/GC Contractor
TBD

Independent Cost
Estimator (ICE)
TBD

Technical Advisors, Project Support and Oversight:

FHWA - Chris Horn, PE

BTE - Patrick Holinda, PE

Environmental - Basil Ryer, MLA,
MUD

Staff Bridge - Tristan Siegel, PE

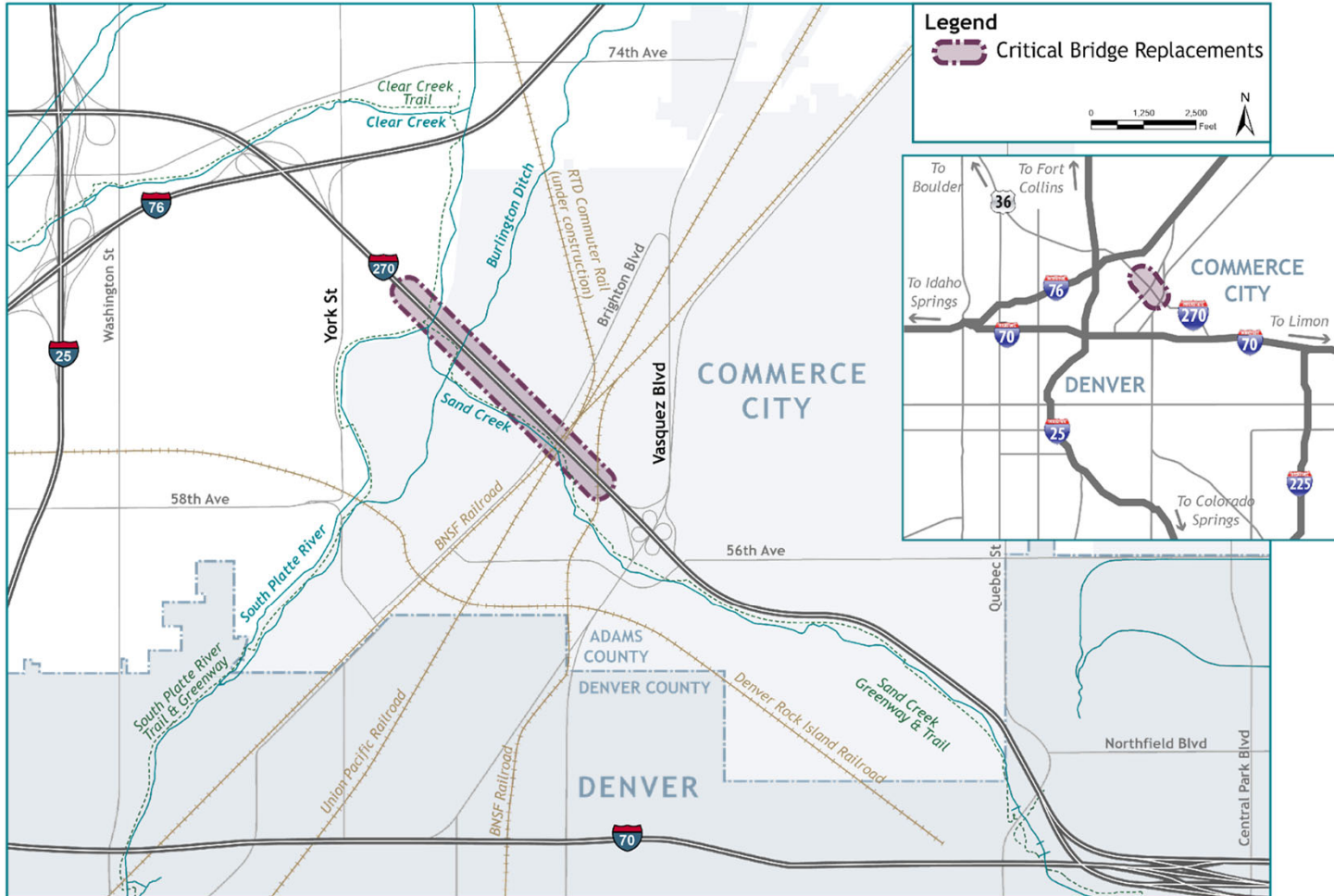
Contracts - Jan Walker

Alternative Delivery

Matthew Pacheco, PE &
Casey Valentinelli, PE



Project Location





Critical Bridge Locations on I-270





Project Background and Need



- On the I-270 corridor, there are eight (8) structures within a one-mile stretch between York St. and Vasquez Blvd. that have been in service for over 50 years and have been requiring frequent emergency deck repairs. These emergency deck repairs require lane closures which severely impact travel times and cause traffic to detour out-of-direction via I-70 and other local routes.
- Bridge inspections rated 6 of the 8 bridges in this one-mile segment as ‘poor’, which made them eligible for Bridge & Tunnel Enterprise (BTE) funding for full replacement.
- CDOT has approval to proceed with the design phase for all 8 bridges and is fully funded for construction.



Key Project Elements

- Replacement of eight mainline I-270 structures (4 pairs, most pairs to be replaced with a single bridge) between Vasquez Blvd. and York St.
- Pavement reconstruction at bridge approaches where needed for roadway profile changes
- Retaining walls as needed to reduce toe-of-slope impacts
- ROW/Easements for permanent features and temporary construction access
- Floodplain Management Coordination (MHFD/Adams County)
- CDOT is preliminarily looking at including a Maintenance package to address some issues within the project limits

I-270 Direction	Bridge Crossing	Bridge Number
WB	South Platte River	E-17-ID
EB	South Platte River	E-17-IE
WB	Burlington Irrigation Ditch Crossing	E-17-IF
EB	Burlington Irrigation Ditch Crossing	E-17-IG
WB	Brighton Blvd & 2 Railroad Crossings (UPRR & BNSF)	E-17-IH
EB	Brighton Blvd & 2 Railroad Crossings (UPRR & BNSF)	E-17-II*
WB	E. 60 th /BNSF Railroad	E-17-IJ
EB	E. 60 th /BNSF Railroad	E-17-IK*

*Not eligible for BTE Funding



CM/GC Delivery Primary Differentiators

The CM/GC delivery method provides CDOT the earliest opportunity to procure a qualified Designer and a Construction Manager with needed expertise for the Project and accommodates early and continuous collaboration between the Owner, Designer, General Contractor, and stakeholders throughout all Project phases.

In addition, the Construction Manager's early and continuous input into design may identify additional or previously unknown risks while providing further consideration of opportunities for innovation, feasible mitigation strategies and collaborative scope development.



- Advantage of early contractor input on complex project challenges:
- Railroads and Ditch Company approvals for overpass designs and construction
 - Constructability and site access planning
 - Maintenance of Traffic planning for each bridge construction phase
 - Accelerated Bridge Construction (ABC) opportunities



Potential to start construction before entire design, ROW, etc. is complete (i.e., phased design)



Project Team collaboration can result in early cost certainty



Collaborative design process, guided by CDOT, can pursue a quality and practical project



Through strong CDOT management and project team collaboration, risks can be identified, quantified, and mitigated



Project Goals

1. Traffic Control and phasing concepts shall seek to limit impacts to the traveling public by minimizing lane closure variances, formal detours, and additional traffic to other roadways.
2. Replace and decommission all deteriorating structures as efficiently as possible.
1. Anticipate and accommodate environmental requirements for design and construction.





Key Project Risks



- Third party (Railroad, Ditch Company, etc.) reviews and approvals prior to construction
- Geotechnical engineering investigations (natural or artificial obstructions)
- Escalation of project costs due to labor and material market conditions
- Timing of the Environmental Assessment Signature and Record of Decision



Project Funding

Bridge & Tunnel Enterprise (BTE)

- Design and Construction of Eligible Bridges

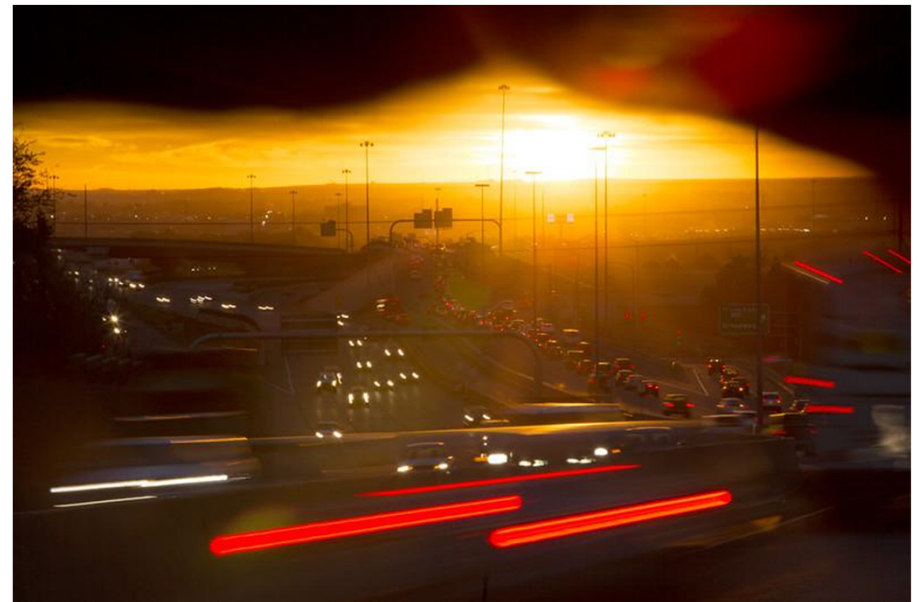
Senate Bill 18-001 funds (SB-1)

- Design of non-BTE Bridges

Senate Bill 17-267 funds (SB-267)

- Construction of non-BTE Bridges

CDOT is also pursuing funding through FHWA's Bridge Investment Grant Program.





Schedule Update



Draft Request for Proposals Released to Qualified Proposers October 27, 2022*

- To be considered a qualified proposer, the Proposer shall have submitted a letter of Interest to the Project Director prior to September 30, 2022.
- All LOI's have been posted on the Project's Active Solicitations website



Optional, Confidential One-on-One Meetings November 2 - 3, 2022*

Contractors that have submitted a LOI may sign up for a one-on-one with Project Staff by emailing katie.dawson@state.co.us **after the RFP has been released**, with three, 50-minute meeting requests starting on the hour. Requested meeting times are between 9am and 4pm, November 2nd and 3rd .



Schedule Update



Draft RFP Proposer Questions/Comments - November 4, 2022*
Advertisement of Final RFP - November 10, 2022*



Proposal Submission - December 2, 2022* - 2:00 pm

CDOT will accept proposals from Joint Ventures where at least one of the major partners submitted an LOI by the September 30, 2022 deadline.

***All dates are tentative and will be finalized in the Draft RFP. If the release date for the RFP changes, an announcement will be posted on the Project's Active Solicitation website and sent to the single points of contact provided in the LOIs.**

<https://www.codot.gov/business/alternativedelivery/opportunities/cm-gc-solicitations/i-270-critical-bridge-replacements>



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Questions & Answers

