



**COLORADO**

Department of Transportation

# Floyd Hill to Veterans Memorial Tunnels Construction Industry/Public Meeting (Virtual) May 26<sup>th</sup>, 2021



## MEETING AGENDA

- Welcome and Purpose of Meeting
- Project Background and Updates
- Construction Delivery Method Recommendation
- Questions and Answers





# Purpose of Meeting

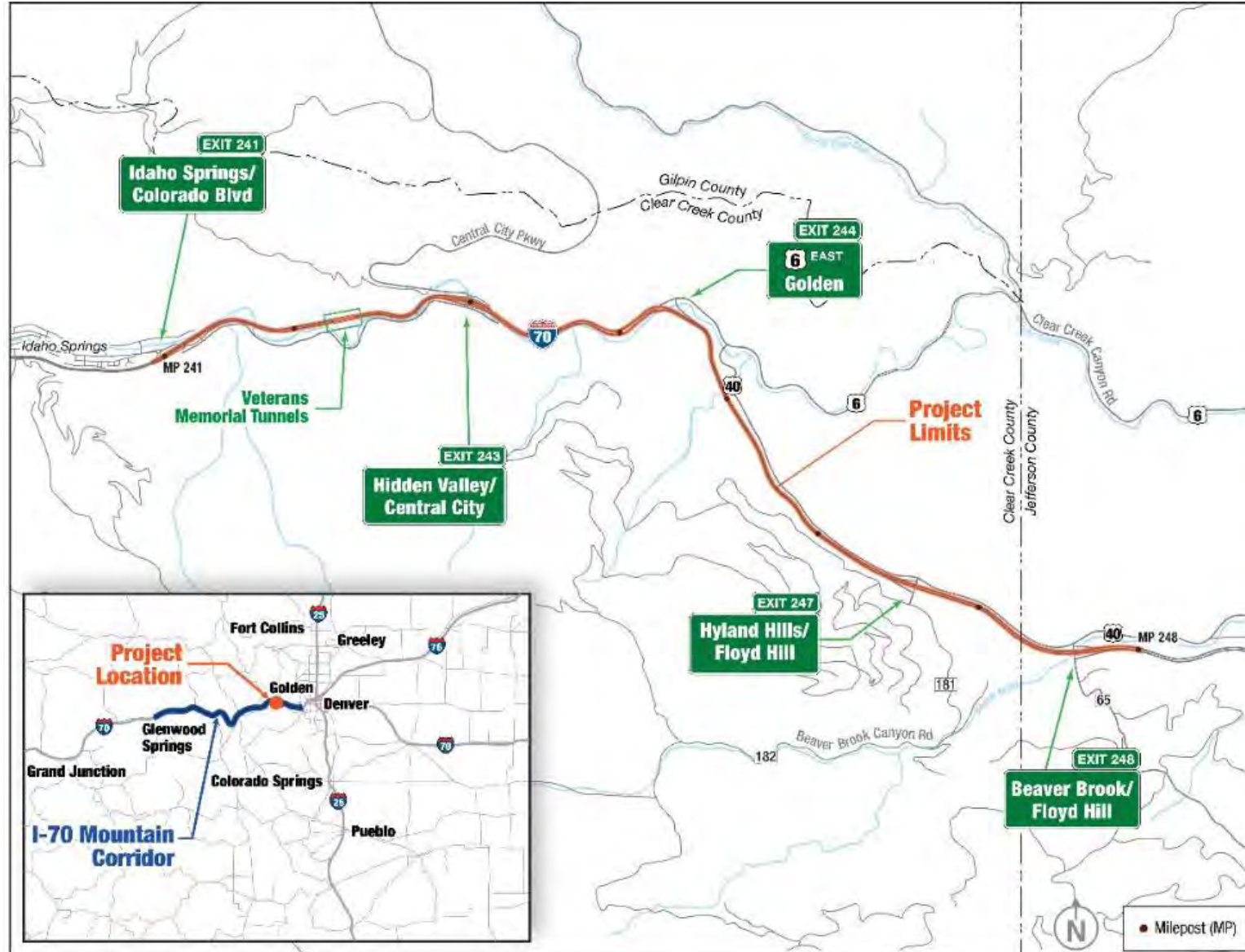


- Review Alternative Delivery Recommendation in accordance with CDOT's Comprehensive Transparency and Accountability Strategy
- Collect Industry/Public feedback on recommended project delivery method and respond to questions



# I-70 Floyd Hill to Veterans Memorial Tunnels

# Project Location





Improve travel time reliability, safety, and mobility



Address deficient infrastructure



Improve multimodal connectivity

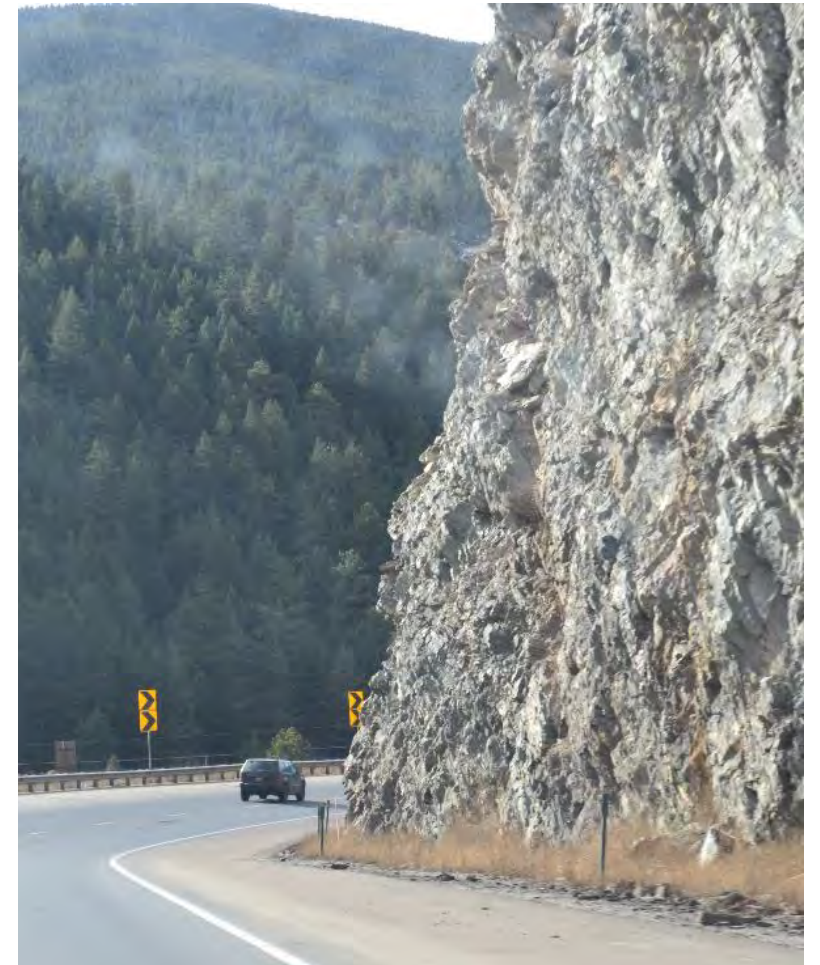


Alternate route for emergencies or severe weather





- Third westbound I-70 travel lane from top of Floyd Hill through the Veterans Memorial Tunnels
- Flatten horizontal curves (EB and WB)
- Eastbound auxiliary lane from US 6 up Floyd Hill
- New frontage road connection between US 6 and Hidden Valley interchanges
- Reconfigure and reconstruct the US 6 interchange
- Improve Hidden Valley/Central City interchange operations
- Improve the Clear Creek Greenway multimodal trail
- Reduce animal-vehicle conflicts and improve wildlife connectivity
- Two permanent air quality monitors
- Coordinated local broadband access with highway conduit and fiber



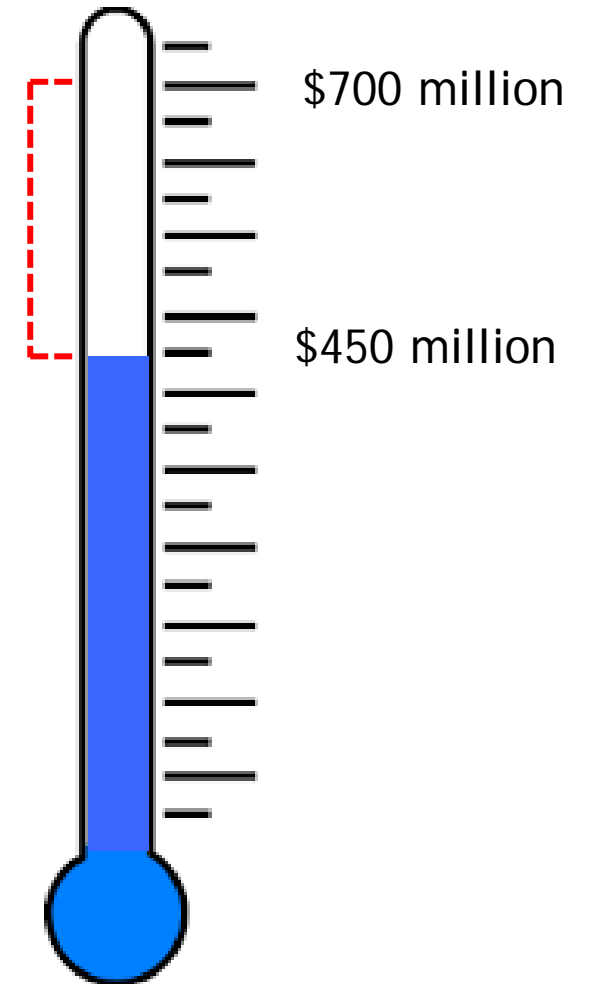


- Two alternatives evaluated in the Environmental Assessment (EA)
  - Canyon Viaduct Alternative (*Preferred Alternative*)
  - Tunnel Alternative
- Project Status
  - Preliminary design complete (20% Level)
  - EA anticipated to be complete in Summer 2021
  - Project total cost estimated at \$700M
  - Strong stakeholder and public support
  - Phased implementation delivery strategy





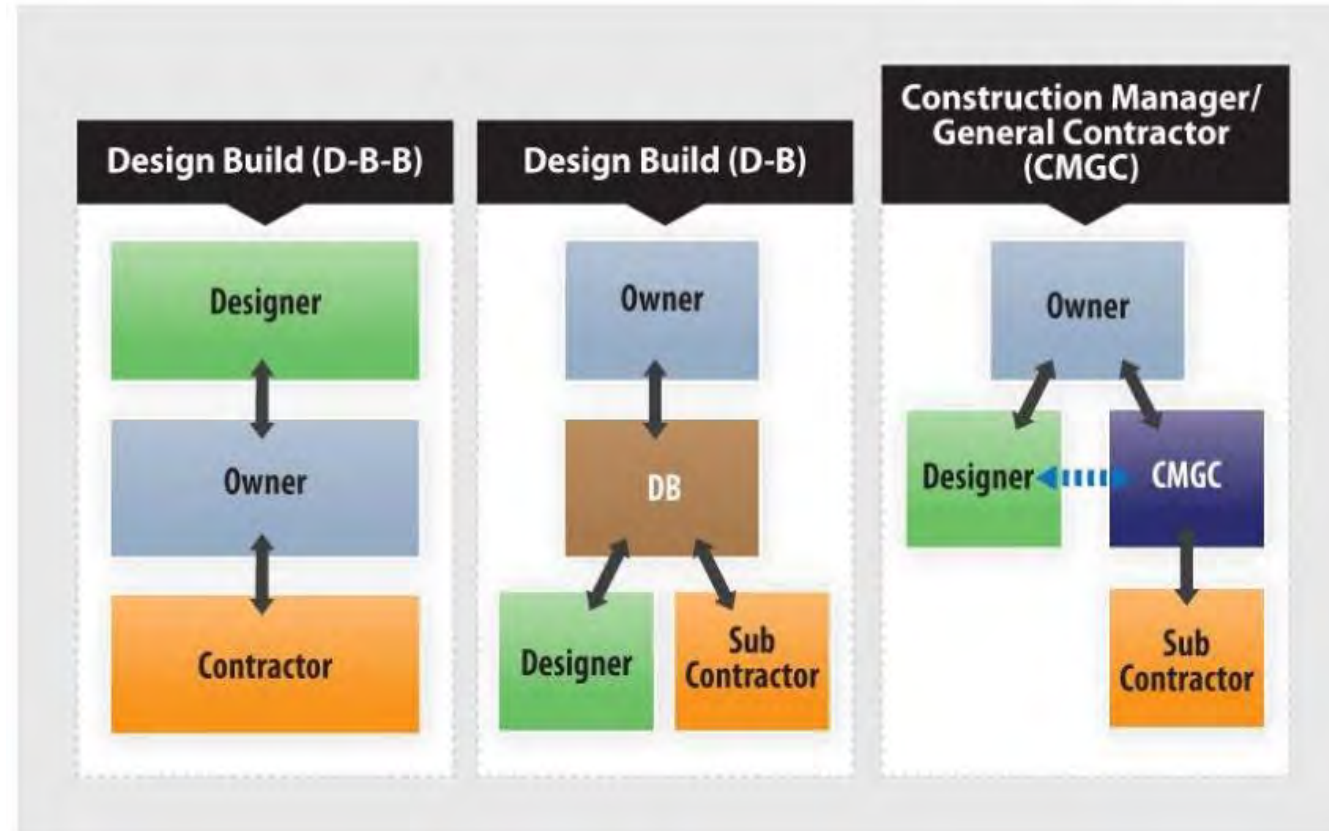
- Preliminary cost estimates approximately **\$700 million**
- CDOT has **identified \$450 million** for the Project
- CDOT and the High-Performance Transportation Enterprise (HPTE) are looking at financial scenarios to close the funding gap
- Funding gap of approximately \$250M requires project delivery phased approach







- Types of Project Delivery at CDOT
  - Design Bid Build - Standard
  - Design Build
  - Construction Manager/General Contractor





## Project Delivery Selection Workshop

- Standard Process for determining complex project delivery
- 14 participants
- Representatives from:
  - CDOT
  - HPTE
  - FHWA
  - Context Sensitive Solutions (CSS) Project Leadership Team (PLT)
- Held in 2018 and revisited in 2021





# Project Delivery Goals



Improved I-70 Safety, Mobility and Operations

Stakeholder Commitment, Partnership, and Environmental Stewardship

Minimize Construction Impacts

Fiscal Responsibility, Resources, and Project Scope

Schedule



# Westbound I-70 Delivery Selection Factors and Recommendation Summary

<b>PROJECT DELIVERY METHOD OPPORTUNITY/OBSTACLE SUMMARY</b>			
	<b>DBB</b>	<b>CMGC</b>	<b>DB</b>
<b>Primary Selection Factors</b>			
1. Project Complexity & Innovation	-	++	+
2. Project Delivery Schedule	-	++	+
3. Project Cost Considerations	+	+	++
4. Level of Design	+	+	+
5. Risk Assessment	-	++	-
<b>Secondary Selection Factors</b>			
6. Staff Experience/Availability (Agency)		<b>Pass</b>	
7. Level of Oversight and Control		<b>Pass</b>	
8. Competition and Contractor Experience		<b>Pass</b>	

## Rating Key

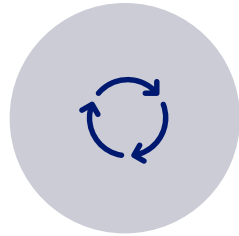
- ++** Most appropriate delivery method
- +** Appropriate delivery method
- Least appropriate delivery method
- X** Fatal Flaw (discontinue evaluation of this method)
- NA** Factor not applicable or not relevant to the selection



# CMGC Delivery Primary Differentiators



Specialized work for viaducts, rock blasting, maintenance of traffic, and phasing



Contractor input on design concept, optimization, and constructability



Risk identification assignment and mitigation



CSS process and community participation in design and innovation



Incremental funding



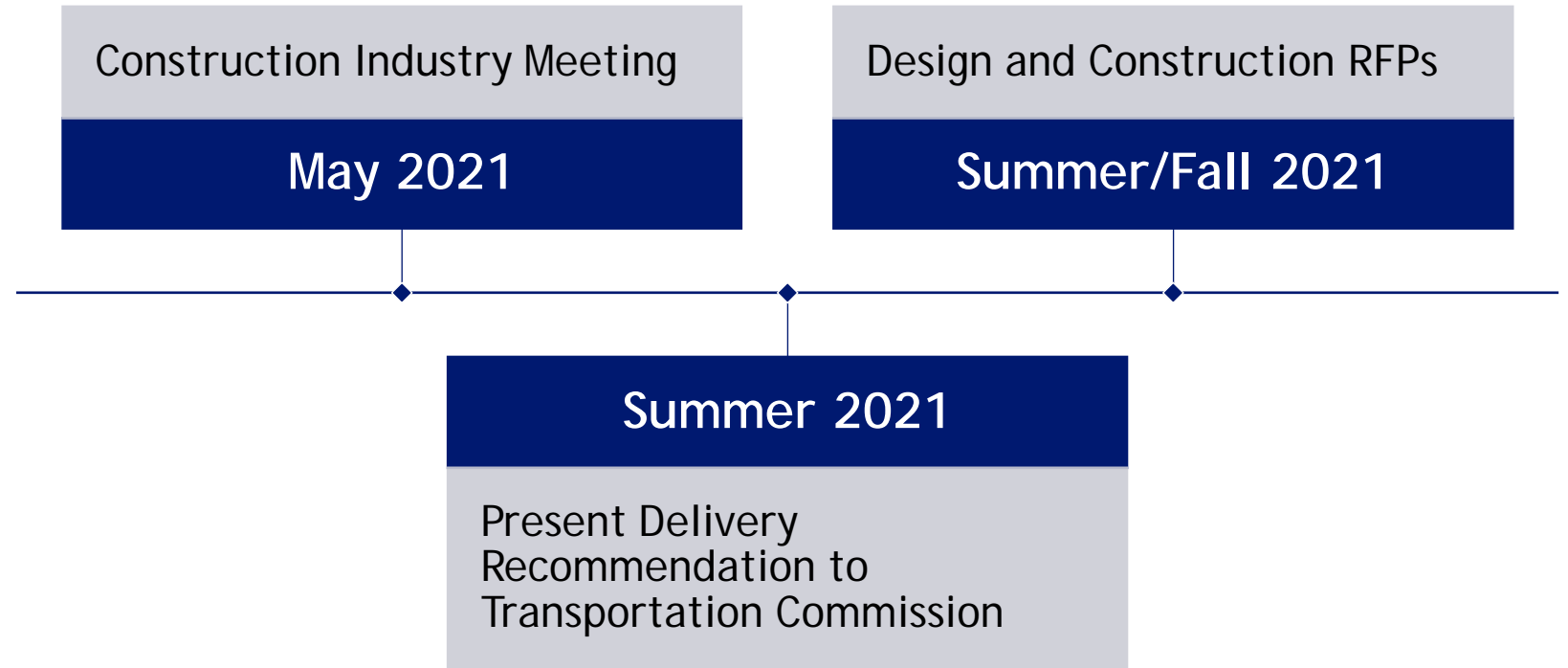
# Phased Delivery Strategy/Recommendation

- Early Project Elements - Design Bid Build (Recommended)
  - Wildlife Crossings - Empire and Genesee
  - Floyd Hill Roundabouts
  - Microtransit Infrastructure
- Westbound I-70 - CMGC (Recommended)
- Eastbound I-70 - TBD





May 2021



Construction Industry Public Meeting



Polling Questions and Survey



Comments or questions on the CMGC process?



Email additional questions or comments

## Stay Engaged



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**303-512-4408**



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[cdot\\_floydhillproject@state.co.us](mailto:cdot_floydhillproject@state.co.us)



Send a letter:  
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Golden, CO 80401  
Attn: Floyd Hill Project Team**