



**COLORADO**  
Department of  
Transportation



# I-70 East Industry Forum

March 11, 2015



# I-70 East

## Industry Forum Agenda

### 2:00pm Opening Session

- Ed Peterson, Chair, Transportation Commission
- Shailen Bhatt, Executive Director
- Josh Laipply, Chief Engineer
- Tom Clark, Executive Vice President, Metro Denver EDC

### 2:45pm Project Overview

- Project Goals and Objectives
- Technical Aspects
- Environmental, Community, and Transparency
- Financing & Legal Overview

### 4:15pm Remarks by Mayor Michael Hancock

### 4:30pm Procurement Process

### 4:45pm Question & Answer

### 5:00pm Opening Session Adjourns





**COLORADO**  
Department of  
Transportation



# Project Overview

*Peter Kozinski*  
*I-70 East Project Director*

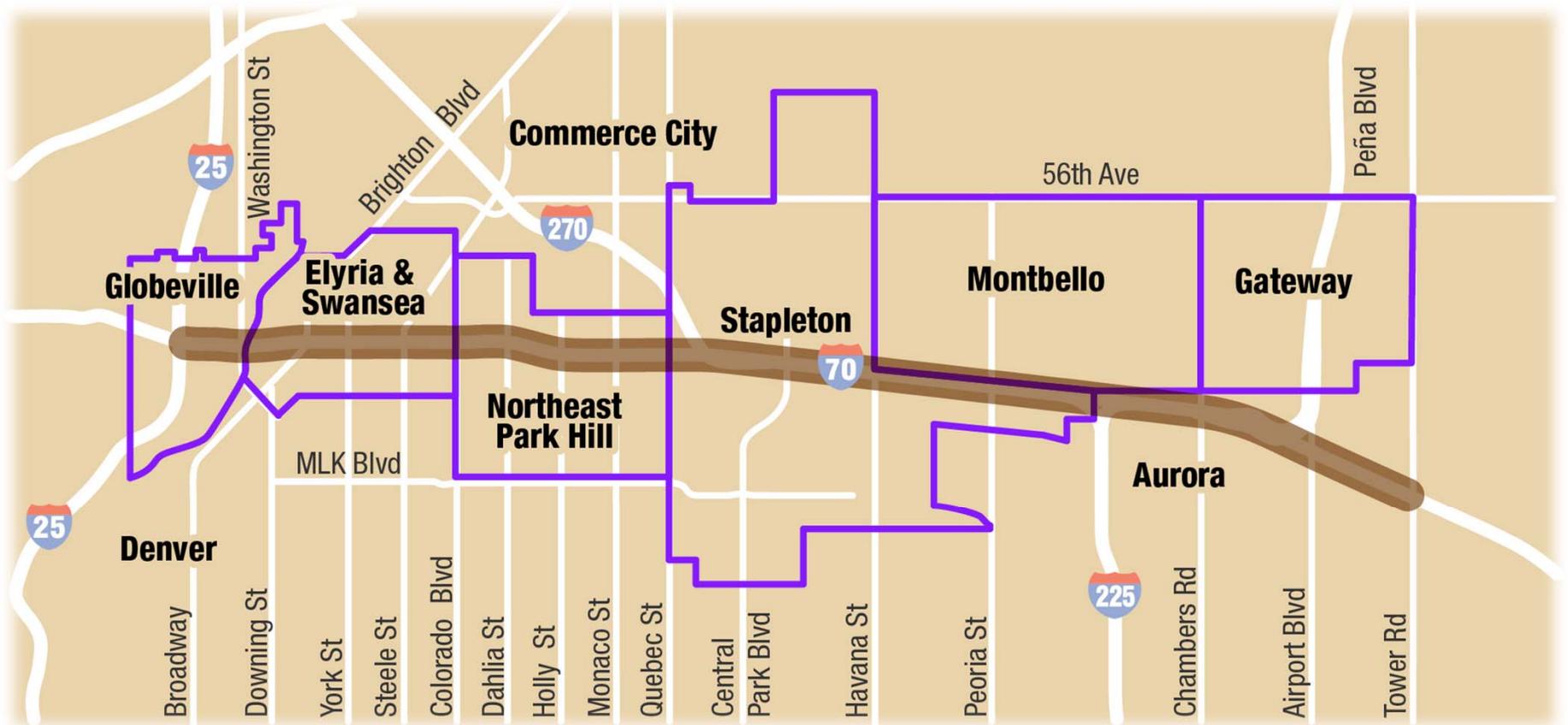




# I-70 East

## The Location

- 12 miles between I-25 and Tower Road





# I-70 East

## The Vision

The Viaduct Today

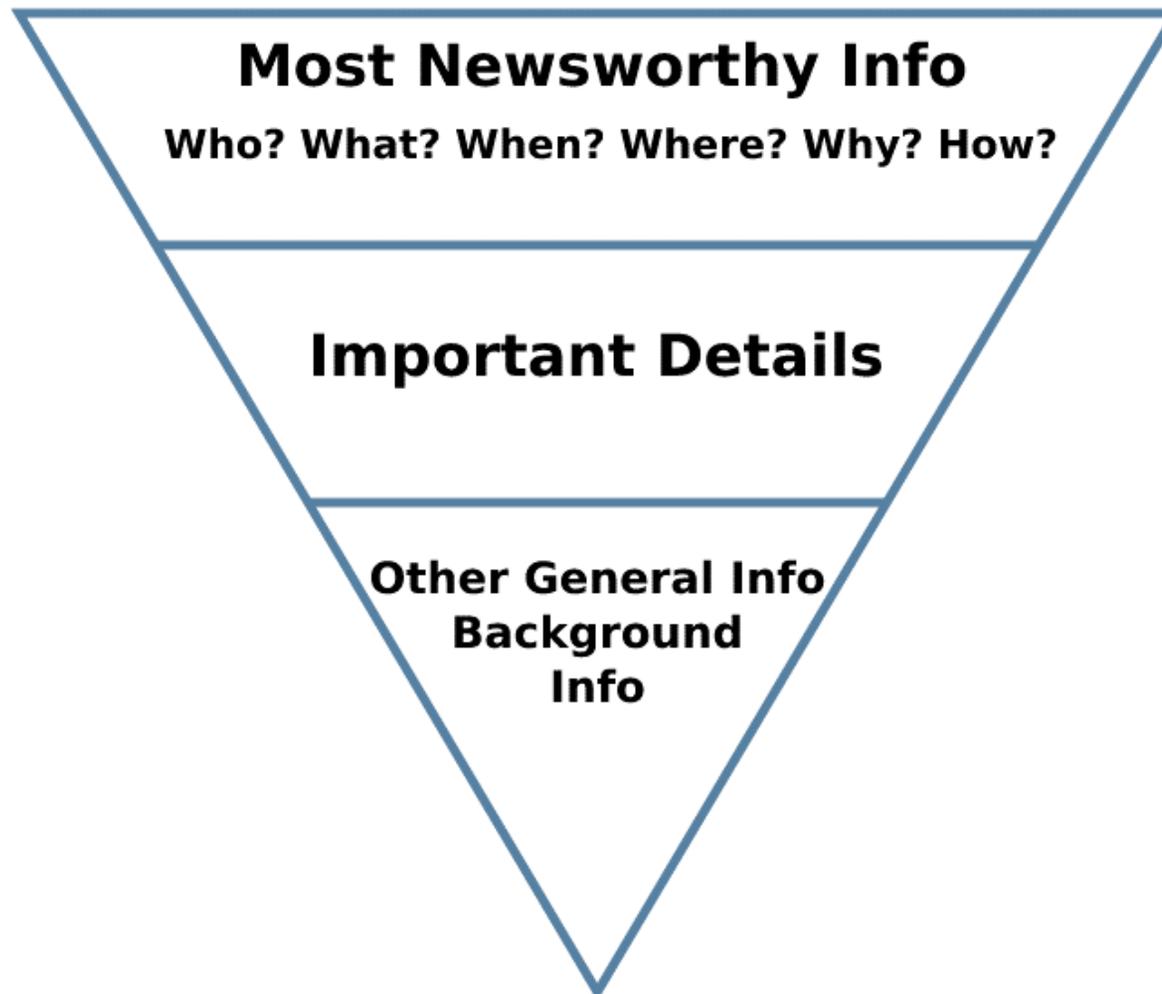
With Your Help in 2021





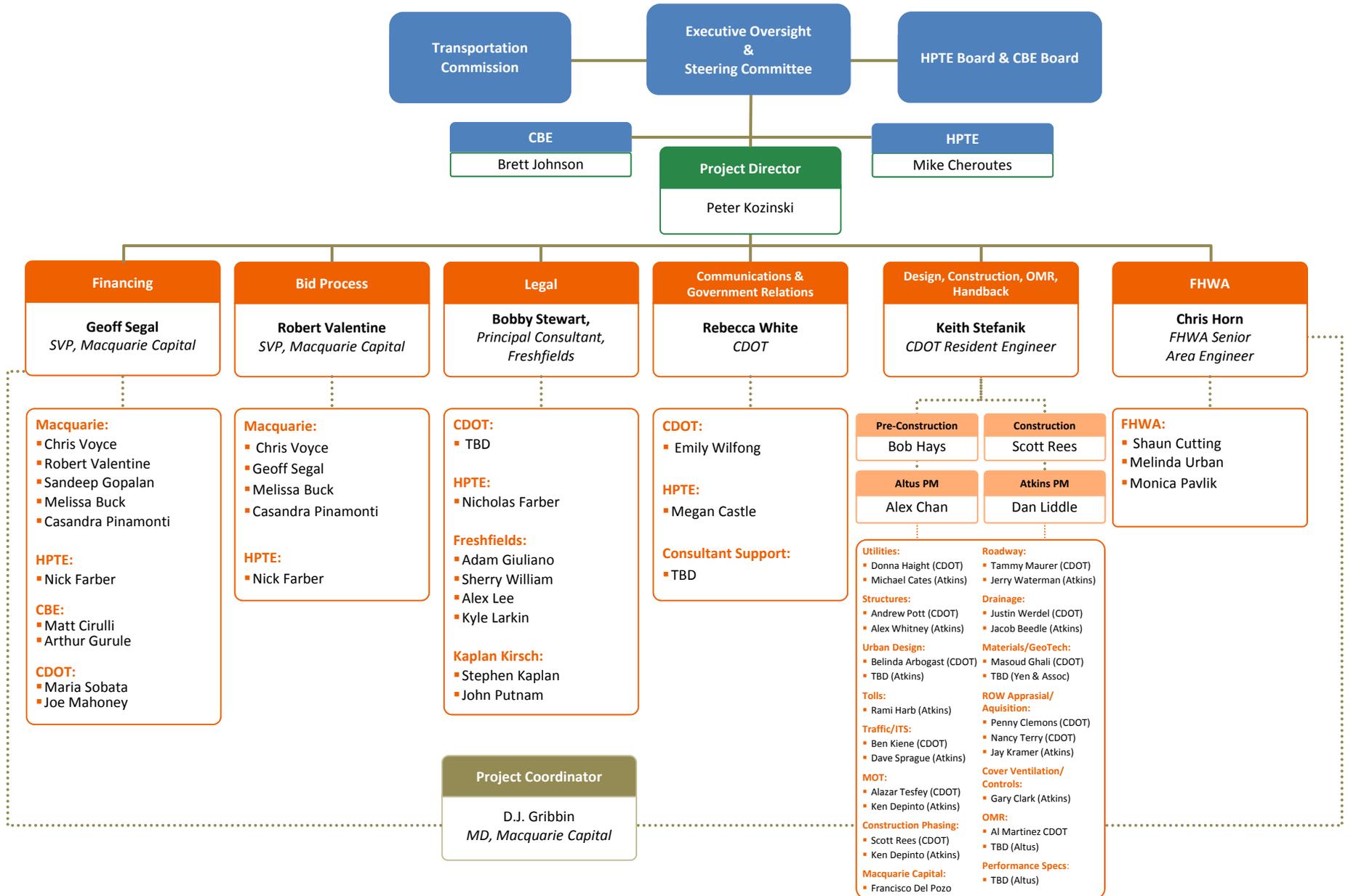
# I-70 East

## Project Overview





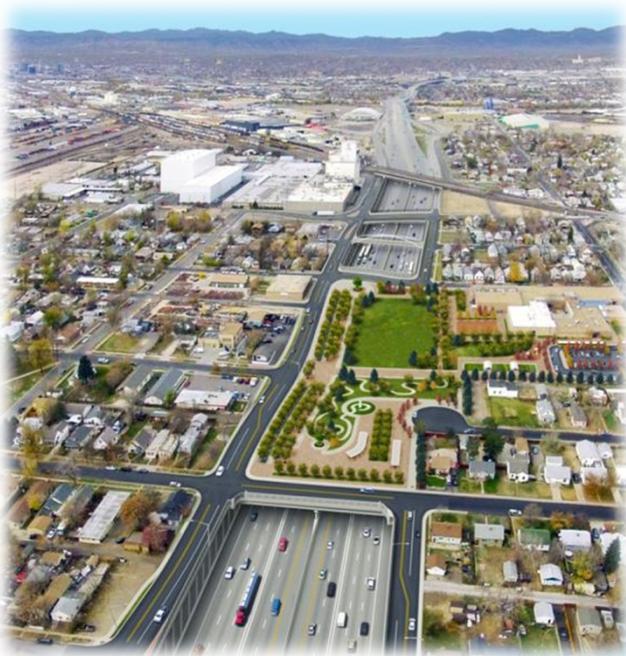
# I-70 East





# I-70 East

## The Project



- Remove 50-year-old viaduct between Brighton Blvd and Colorado Blvd
- Build the Partially Covered Lowered (PCL)
- Extend one Express Toll lane in each direction between I-25 and I-225
- Add 4 acre cover over highway





# I-70 East

## The Project

- A final determination regarding the designation of the Partial Cover Lowered Alternative as the preferred alternative will not be made until the completion of the NEPA process and the issuance of a ROD
- While the Final EIS may recommend the Partial Cover Lowered Alternative, there is no guarantee that this will be the result





# I-70 East

## The Timeline

- March 2015 RFQ Released
- June 2015 RFQ Submissions Due
- July 2015 Shortlist Announced
- September 2015 Draft RFP Issued
- Late 2015/Early 2016 Final EIS Issued (FEIS)
- Early 2016 Issue Final RFP Documents
- Mid 2016 Record of Decision (ROD)
- Summer 2016 Administrative/Technical and Financial Proposals Due
- Fall 2016 Selection, Commercial Close
- Late 2016 Financial Close





# I-70 East

## The Purpose & Need

- I-70 between I-25 and Tower Road in Denver is one of the most heavily traveled and congested highway corridors in Colorado
- Environmental Impact Statement (EIS) began in 2003
- “to implement a transportation solution that improves safety, access, mobility and addresses congestion”
- Now in its 12th year



## The Purpose & Need

- One of the most extensive public outreach processes in CDOT history
- Strong support for the Project
- Lots of commitments made through NEPA
- Expect major involvement by small and DBE firms



- |   |  |
|---|--|
|    | City of Denver                                 |
|    | Denver City Council                            |
|    | City of Commerce City                          |
|    | Adams County Board of County Commissioners     |
|    | National Western Stock Show                    |
|    | Elyria Swansea Globeville Business Association |
|    | Denver Metro Chamber of Commerce               |
|    | Metro Denver Economic Development Corporation  |
|   | Adams County Economic Development              |
|  | North Area Transportation Alliance             |
|  | Downtown Denver Partnership                    |
|  | VISIT Denver                                   |
|  | American Institute of Architects               |
|  | Colorado Motor Carriers Association            |





# I-70 East

## The Processes & Approvals

- December 2014: TC approved Phase 1 Scope
- February 2015: TC recommended DBFOM
- March 2015: CBE expected to adopt HPTE procurement guidelines

### Resolution #TC-15-2-5

I-70 East Corridor Project Scope, Delivery Method, and Financing Mechanism

Approved by the Transportation Commission on February 19, 2015

**WHEREAS**, in 2003, the Colorado Department of Transportation (CDOT) began the I-70 East Corridor Environmental Impact Statement (I-70 East Corridor EIS) to study the future of I-70 East from I-25 to Tower Road and to meet the requirements of the National Environmental Policy Act (NEPA); and

**WHEREAS**, the purpose of the I-70 East Corridor EIS is to implement a transportation solution that improves safety, access, mobility and addresses congestion along this 12-mile segment of I-70 East which is one of Colorado's most heavily traveled, congested highway corridors and an essential component of the state's only east-west interstate; and

**WHEREAS**, during the lengthy I-70 East Corridor EIS process, both Federal Highway Administration (FHWA) and CDOT have studied and considered dozens of alternatives to solve the I-70 East Corridor problems including, but not limited to, a no-action alternative, a realignment alternative, and a revised viaduct alternative; and

**WHEREAS**, a Supplemental Draft I-70 East Corridor EIS was released on August 29, 2014 in which FHWA and CDOT preliminarily identified the Partial Cover Lowered Alternative with Managed Lanes Option as the Preferred Alternative for the I-70 East Corridor Project; and

**WHEREAS**, following the public release of a Final EIS, a Record of Decision (ROD) will be signed; and

**WHEREAS**, in order to complete the ROD, CDOT must have a feasible financing plan for a specific phase of the approved project and in order to develop this financing plan CDOT must engage the construction industry to assess project construction costs and consistency with available funding; and

**WHEREAS**, the passage of FASTER legislation in 2009 established the Colorado Bridge Enterprise (CBE) in order to accelerate the repair and reconstruction of deficient bridges further defined as structures that are "poor"; and

**WHEREAS**, using the criteria outlined in the FASTER legislation, 128 bridges were originally determined to be eligible for the CBE program and the elevated portion of I-70 East corridor on a bridge, known as the Viaduct, was included on that list; and **WHEREAS**, the Transportation Commission is responsible, pursuant to C.R.S. 43-1-106(8), for formulating the general policy of the Colorado Department of Transportation (CDOT) and to promulgate and adopt CDOT budgets; and

**WHEREAS**, pursuant to Resolution #3179 approved on July 21, 2014, the Transportation Commission has directed the High Performance Transportation



# I-70 East

## The Financial Resources

- Phase 1 Estimated Cost = \$1.17 billion
  - That is an all-in estimate; ROW, NEPA, Design, RR, Utilities and oversight...
- Anticipated Funding:

■ Colorado Bridge Enterprise (CBE)	\$850m
■ DRCOG Commitment	\$50m
■ SB 228 Funds	\$180m
■ To Be Determined	\$90m





# I-70 East

## The Partnership

CDOT is prepared to bring the  
Team, Resources & Authority

We are looking for a partner.

# Is That You ?

What we want at the end...





# I-70 East

## The Desired Outcomes

- Optimize the scope of the transportation, and supporting, infrastructure delivered through the Project in order to promote corridor-wide economic and community vitality.
- Optimize operating and life cycle maintenance costs by delivering a Project using quality design, materials and techniques.





# I-70 East

## The Desired Outcomes

- Minimize impacts to the traveling public, businesses and nearby communities during and after construction
- Once operational, ensure reliable travel speeds in the tolled Express/HOV Lanes and, for all lanes, a minimum standard of maintenance
- Utilize a collaborative process to enhance community values and Project benefits
- Protect the safety of the workforce and public





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# Technical Aspects

*Keith Stefanik*  
*I-70 East Resident Engineer*



# I-70 East

## Technical Aspects

### Today's Topics:

- 1) Phase 1 Project Limits
- 2) Overview of Project Scope to be undertaken by Developer
- 3) Project Technical Issues
- 4) Design Status for Procurement
- 5) Available Due Diligence Materials



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

Due Diligence  
Materials



# I-70 East

## Project Limits Anticipated to Match ROD Phase 1



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

Due Diligence  
Materials



# I-70 East

## Overview of Developer Project Scope

- Typical Section
- Four main segments
  - 1) I-25 to Brighton Blvd
  - 2) Brighton Blvd to Colorado Blvd
  - 3) Colorado Blvd to Quebec Street
  - 4) Quebec Street to Chambers Road
- General Project Improvements
- Operation & Maintenance Phase



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

Due Diligence  
Materials



# I-70 East

## Typical Section



*Note: Ultimate typical section width will be constructed as shown. Phase 1 striping will only include (1) Tolloed Express Lane in each direction*



Phase 1 Limits	Developer Scope	Technical Issues	Design Status	Due Diligence Materials
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# I-70 East

## Segment 1: I-25 to Brighton Blvd



- Re-striping & Civil Infrastructure for Facility Operations
- Eastbound I-70: Develop Tolled Express Lane
- Westbound I-70: End Tolled Express Lane



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

Due Diligence  
Materials



# I-70 East

## Segment 2: Brighton Blvd to Colorado Blvd

- Reconstruct I-70 to ultimate I-70 PCL roadway section
- Construct 46<sup>th</sup> Avenue Roadway Network above ground
- Interchange Reconstruction (Brighton, Steele/Vasquez/Colorado with slip ramp and by-pass lane)
- UPRR grade separation & BNSF grade separation
- North/South Bridges (9 total; including interchanges)
- Construct Swansea Cover
- Remove Existing Viaduct; Non-Proclusion of potential future 2<sup>nd</sup> cover



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

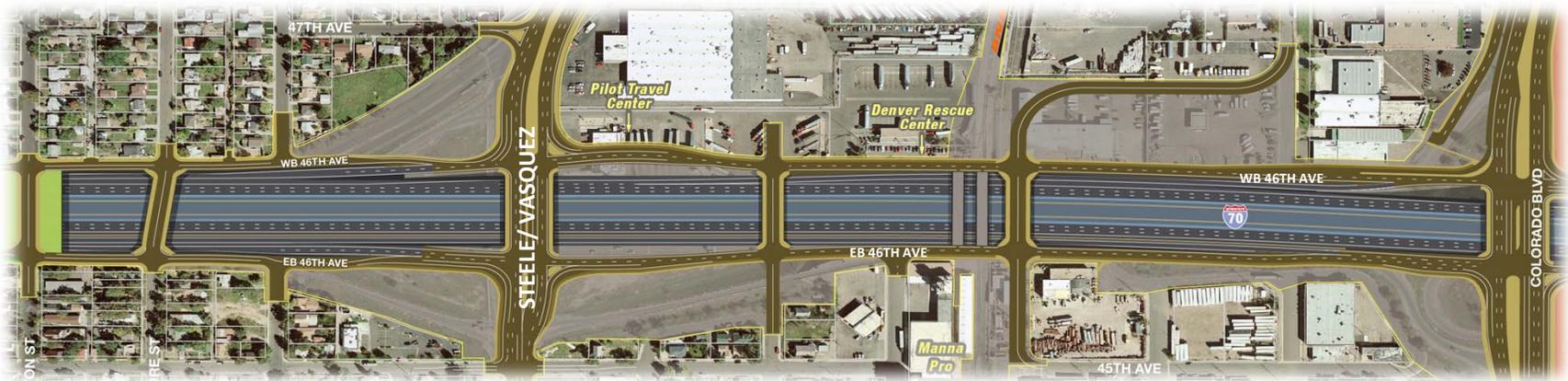
Due Diligence  
Materials





# I-70 East

## Segment 2: Brighton Blvd to Colorado Blvd



- Phase 1 Limits
- Developer Scope
- Technical Issues
- Design Status
- Due Diligence Materials





# I-70 East

## Segment 3: Colorado Blvd to Quebec Street

- Reconstruct I-70 to ultimate roadway section
- Construct Frontage Road network above ground
- Removal of existing slip ramps
- Construct new interchange at Holly Street
- Partial reconstruction of Quebec Street interchange
- Reconstruct and widen Denver Rock Island RR grade separation



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

Due Diligence  
Materials





# I-70 East

## Segment 3: Colorado Blvd to Quebec Street



Phase 1 Limits	Developer Scope	Technical Issues	Design Status	Due Diligence Materials
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# I-70 East

## Segment 4: Quebec Street to Chambers Road

- Partial roadway widening
- Mill/Overlay of existing surface
- Construct new EB I-270 flyover
- Non-disturbance of Central Park Blvd interchange
- New I-70 overpass at Peoria Street
- Use of proposed new overpass at Havana Street (by others)



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

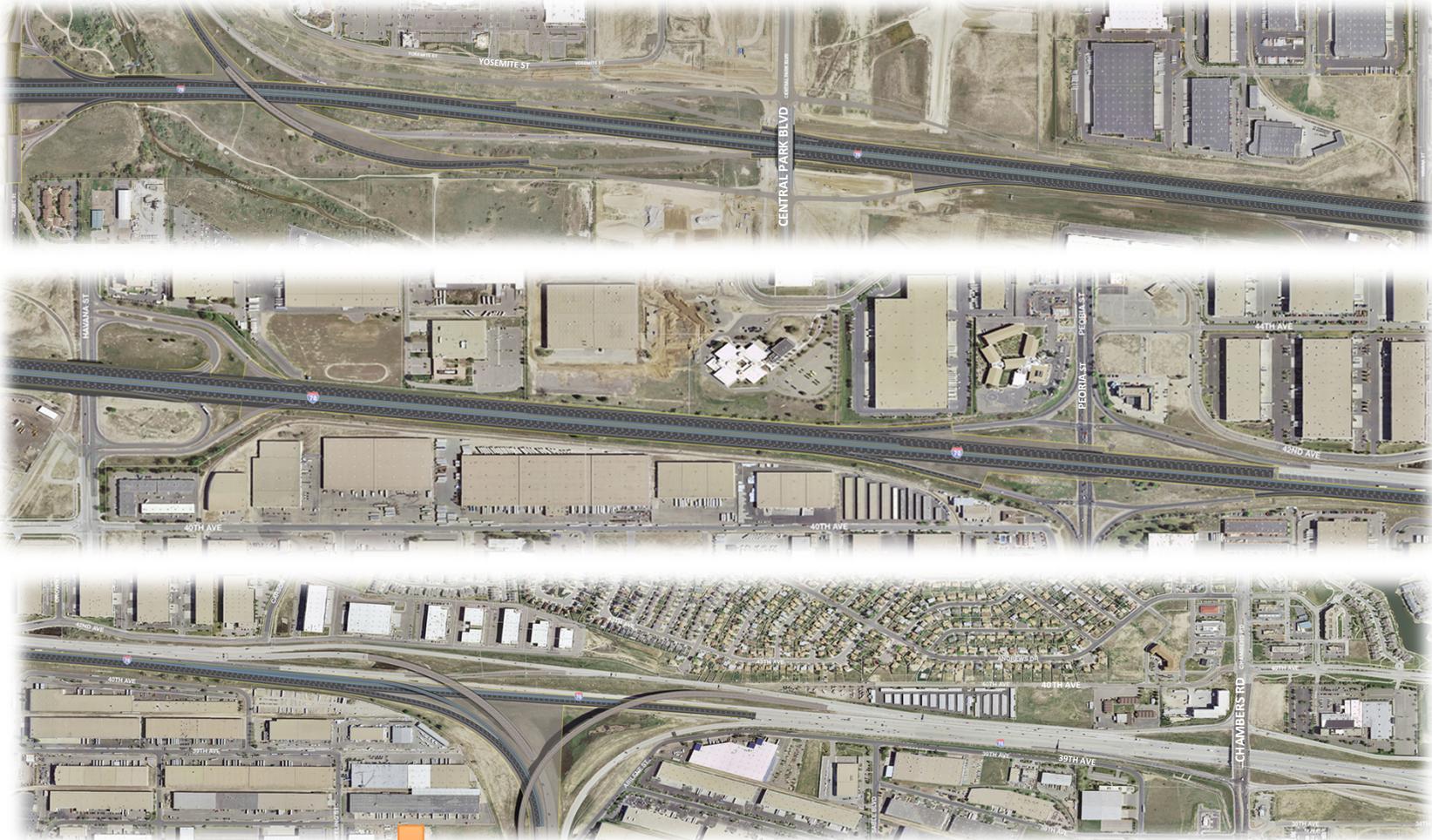
Due Diligence  
Materials





# I-70 East

## Segment 4: Quebec Street to Chambers Road



- Phase 1 Limits
- Developer Scope
- Technical Issues
- Design Status
- Due Diligence Materials





# I-70 East

## General Project Improvements

- Roadside facilities, lighting infrastructure, drainage facilities
- 46<sup>th</sup> Avenue: lighting, pedestrian & bicycle amenities, streetscape
- ITS civil construction
- Stormwater detention & drainage facilities
- Agreed upon environmental, traffic and user access impact mitigation
- Utility connections throughout entire facility



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

Due Diligence  
Materials





# I-70 East

## Operations and Maintenance

- Maintenance of infrastructure constructed by Developer
- Maintenance of existing infrastructure
  - I-70 Mainline (Quebec Street to Chambers Road)
  - I-70 Bridge over Sand Creek
  - I-70 Bridge over Havana St
- Rehabilitation of certain existing infrastructure per Project Agreement
- Snow/Ice maintenance within project limits
- Handback of infrastructure per Project Agreement



Phase 1  
Limits

Developer  
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Design  
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Due Diligence  
Materials

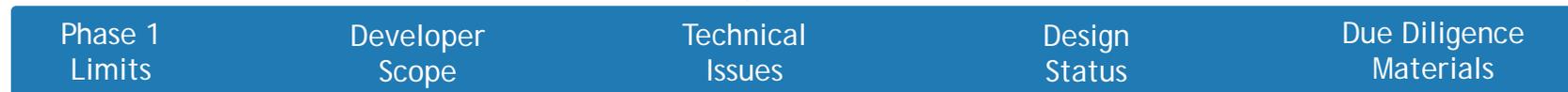


# I-70 East

## Technical Issues

Project Elements for Potential Innovation Opportunities listed in RFQ:

- Railroads
- Drainage System(s)
- Geotechnical Investigation
- Hazardous Material Investigation
- Retaining Walls & Deep Excavation
- Construction Phasing & MOT
- Utility Investigation & Relocation
- Retaining Walls & Deep Excavation
- Ground Water Considerations
- Cover Structural Design
- Ventilation & Life Fire Safety
- Tolling Infrastructure & ITS
- Permitting
- ROW Acquisition





# I-70 East

## Union Pacific Railroad

- Concept Submittal Complete
- 30% Design Submittal Complete
- Goal is to have UPRR agreement for 100% track design and phasing
- Developer responsible for all other infrastructure submittals and approvals



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

Due Diligence  
Materials



# I-70 East

## BNSF & Denver Rock Island Railroads

- CDOT anticipates obtaining preliminary 30% design approval
- Anticipated that Developer will be responsible for all final design and approvals

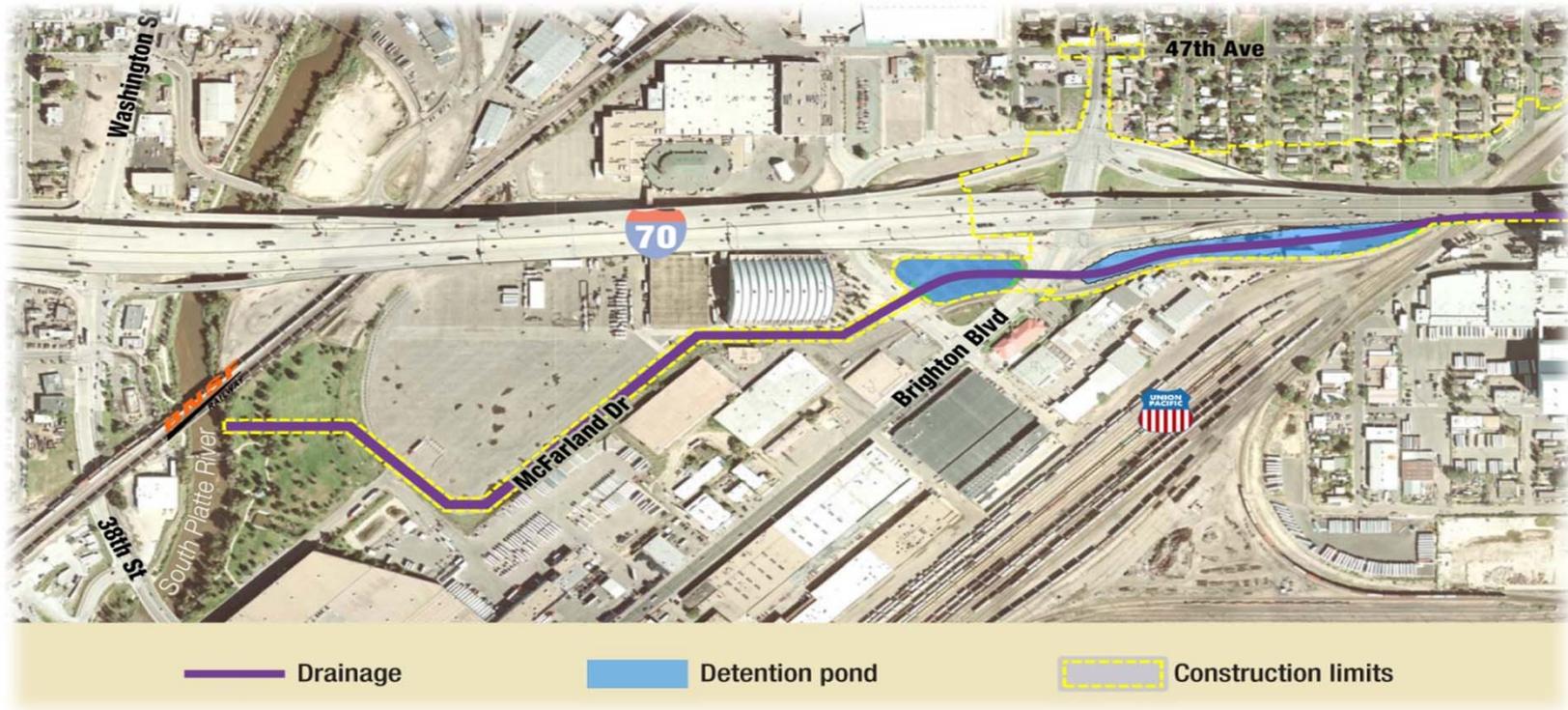


Phase 1 Limits	Developer Scope	Technical Issues	Design Status	Due Diligence Materials
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# I-70 East

## Offsite Drainage Outfall System



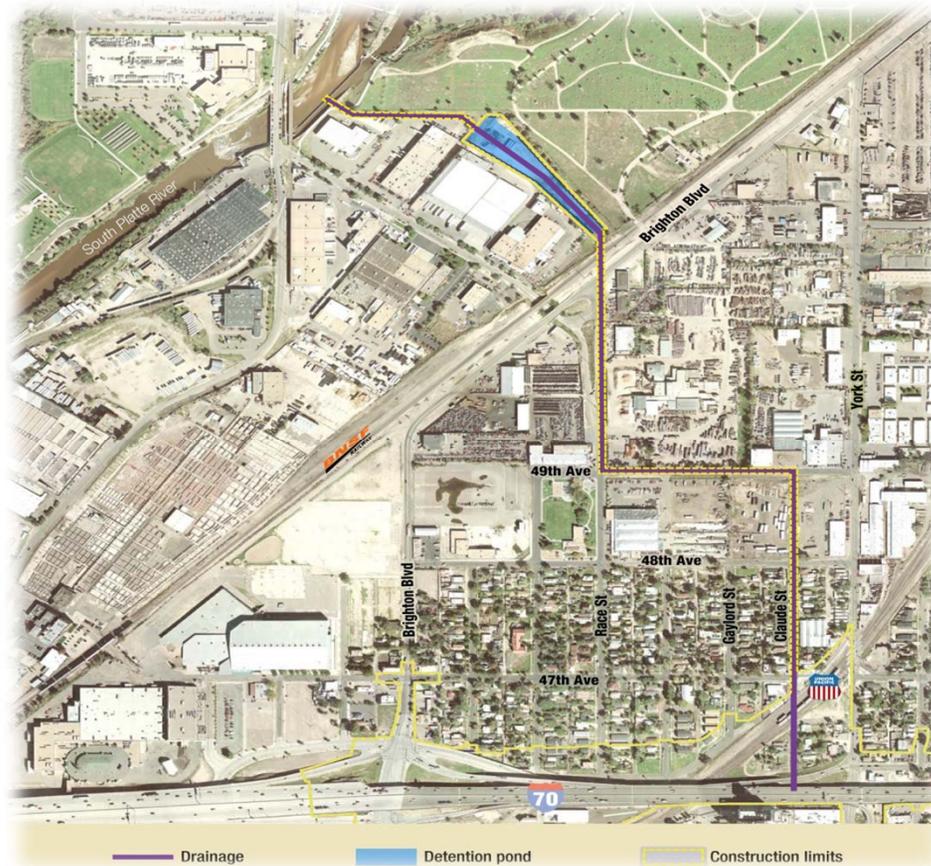
Phase 1 Limits	Developer Scope	Technical Issues	Design Status	Due Diligence Materials
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# I-70 East

## Onsite Drainage Outfall System



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

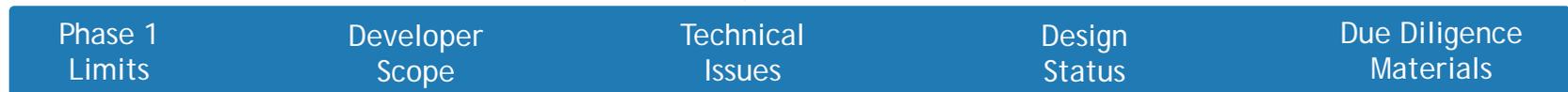
Due Diligence  
Materials



# I-70 East

## Geotechnical Investigation

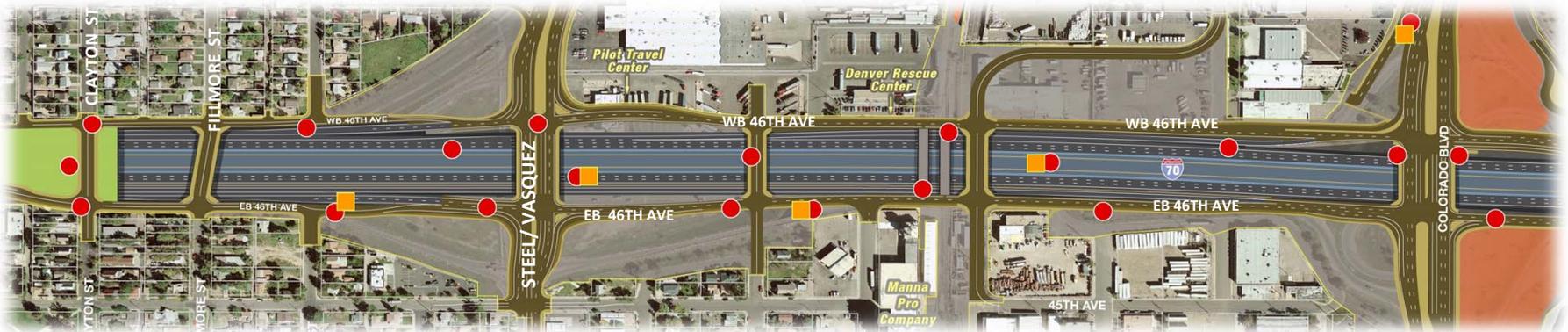
- Geotechnical borings completed Brighton to I-270
- Pavement cores currently ongoing between I-270 & Airport Road
- Groundwater Monitoring wells installed; monitoring continues
- Product: Subsurface Investigation Report





# I-70 East

## Geotechnical Investigation



● Boring  
■ Monitoring Well





# I-70 East

## Retaining Walls & Deep Excavation



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
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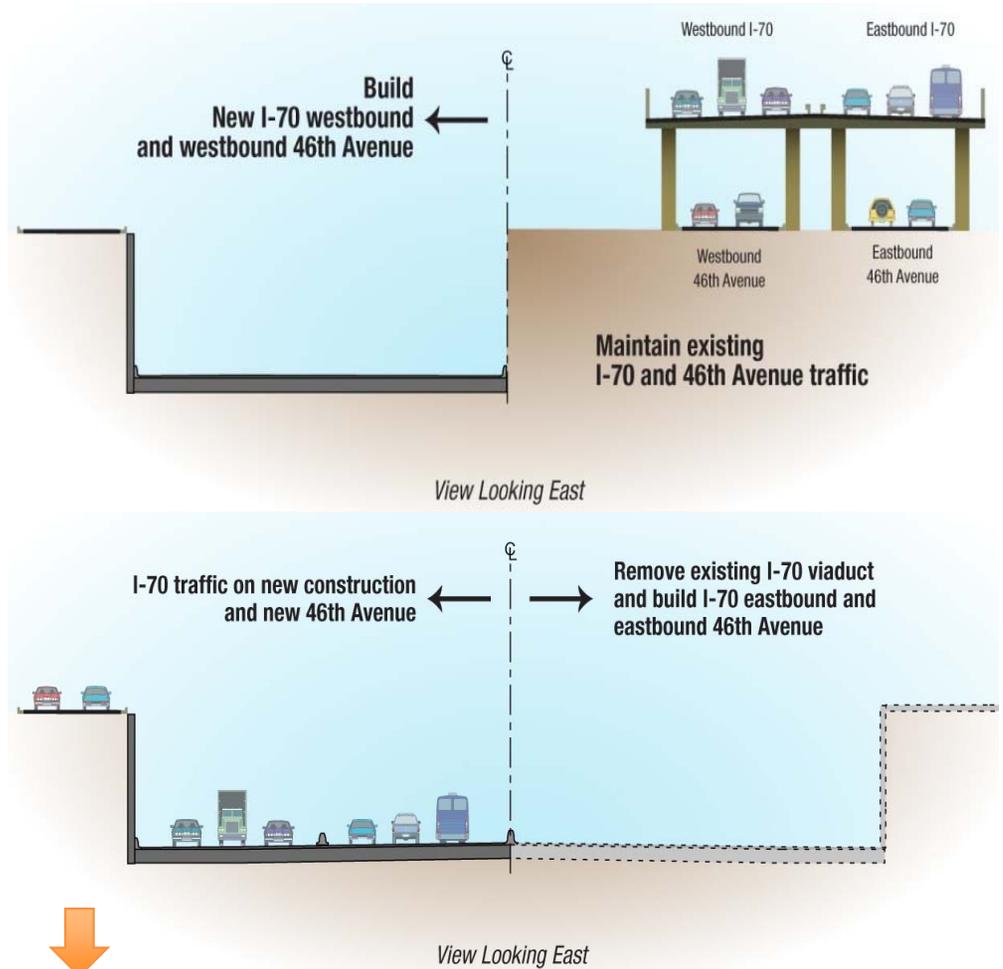
Due Diligence  
Materials



# I-70 East

## Conceptual Construction Phasing (PCL)

- North-south community connectivity
- I-70 ramp connectivity
- Maintain structural integrity of existing Viaduct



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

Due Diligence  
Materials



# I-70 East

## Utility Investigation & Relocation

- Utility locates completed and surveyed
- Utility locates compared to As-builts provided by utility companies
- 1<sup>st</sup> round of utility coordination meetings completed
- 2<sup>nd</sup> round of utility coordination meetings on-going
- Opportunity for several early relocation projects



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

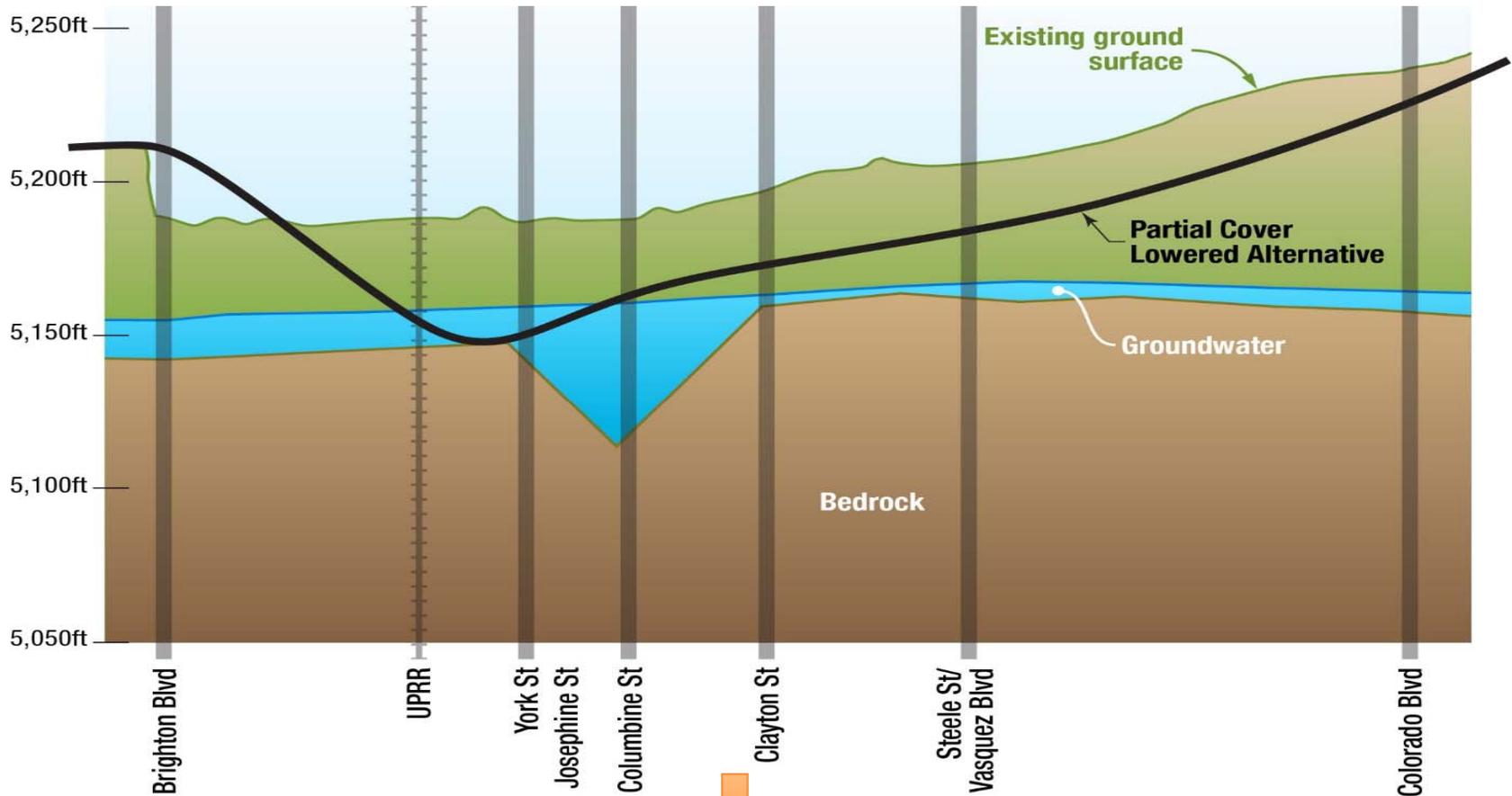
Design  
Status

Due Diligence  
Materials



# I-70 East

## Ground Water Considerations



Phase 1 Limits	Developer Scope	Technical Issues	Design Status	Due Diligence Materials
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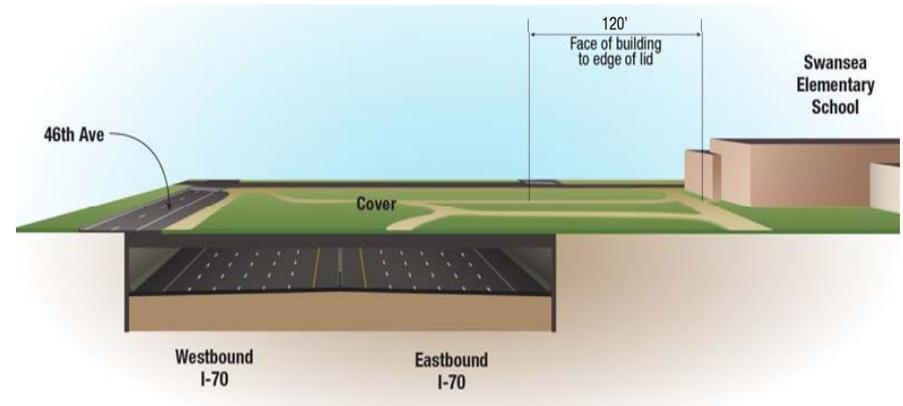




# I-70 East

## Cover Structural Design

- Ongoing Community Input
- DPS Coordination efforts
- Detailed requirements for Cover components will be defined in the RFP



Phase 1 Limits	Developer Scope	Technical Issues	Design Status	Due Diligence Materials
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# I-70 East

## Several Key Components for Ventilation and Fire Life Safety

- Ventilation requirements for pollution and fire
- Fire protection requirements
- Emergency response design requirements (Cover & Depressed Section)
- Mechanical, electrical, and lighting design
- ITS and communications
- Operations and maintenance



Phase 1  
Limits

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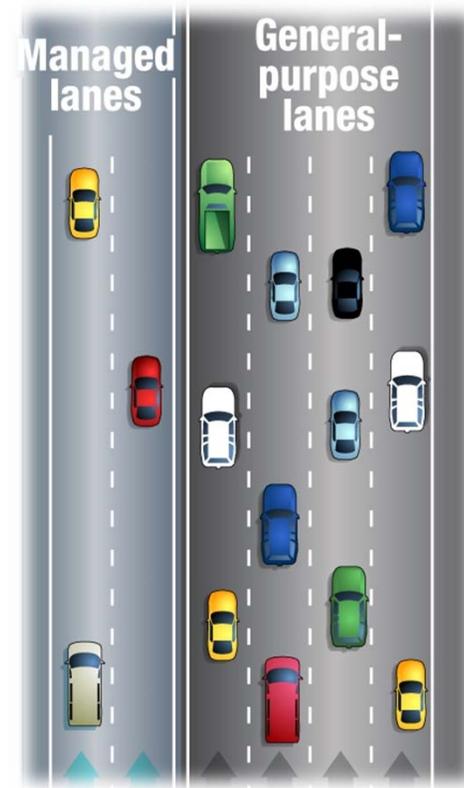
Due Diligence  
Materials



# I-70 East

## Tolling Infrastructure & ITS

- CDOT retains all tolling revenue from tolled express lanes
- CDOT responsible for tolling collection and tolling operations
- E470 for back office and tolling collection; TSA established
- Developer responsible for civil infrastructure construction and winter maintenance
- Concept of Operations Report will be provided in RFP



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

Due Diligence  
Materials



# I-70 East

## ROW Acquisition

- CDOT responsible for all total acquisitions
- Partial acquisitions responsibility to be determined (CDOT or Developer)
- Early ROW acquisition has been initiated
  - Phase 1 - *near completion*
  - Phase 2 & 2b - *ongoing*
  - Phase 3 - *start in approximately (6) months*
  - Phase 4 - *Post ROD*
- Not all ROW acquisition will be complete at NTP; anticipated ROW schedule will be provided in RFP



Phase 1  
Limits

Developer  
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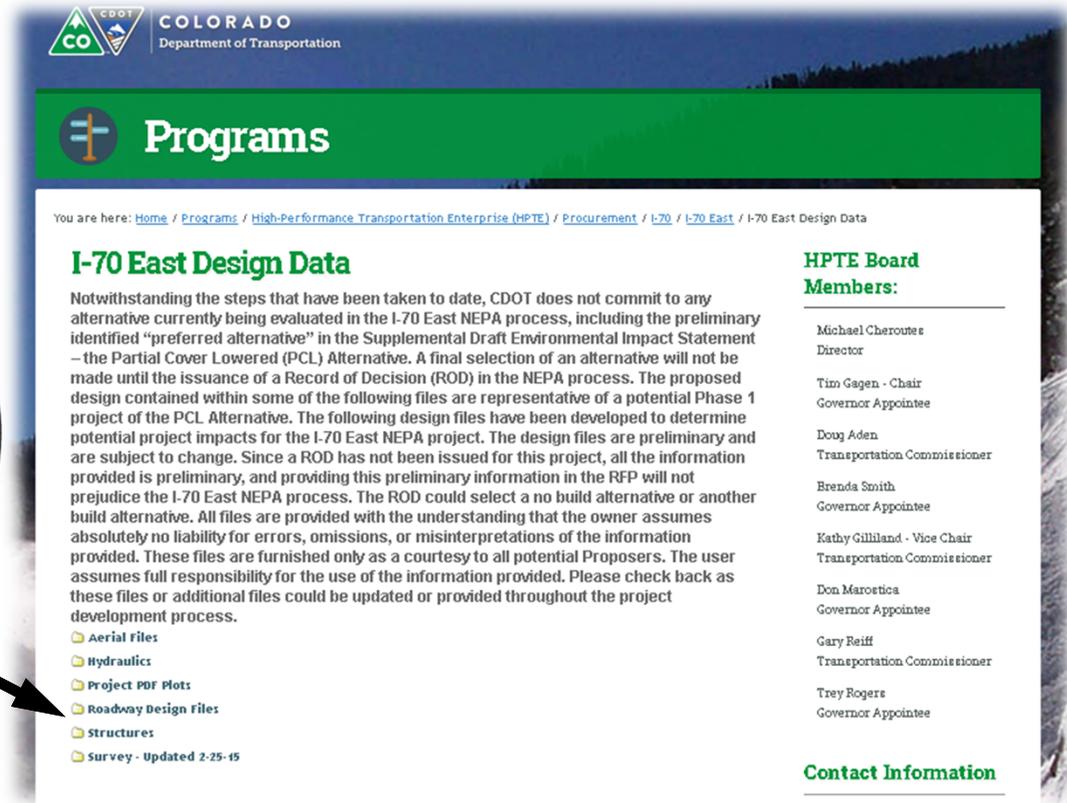
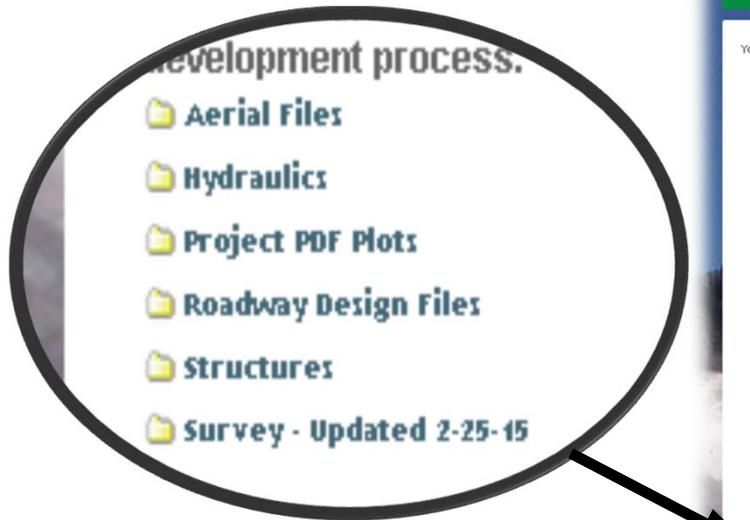
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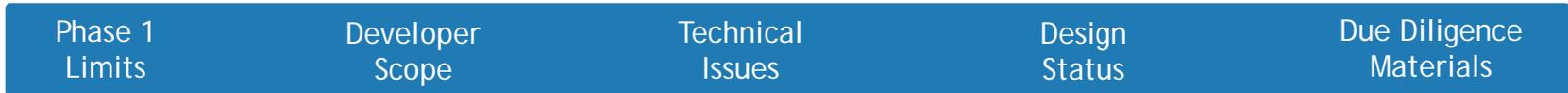
# I-70 East

## Design Status



Website:

<https://www.codot.gov/programs/high-performance-transportation-enterprise-hpte/procurement/i-70/i-70-east/i-70-east-design-data>



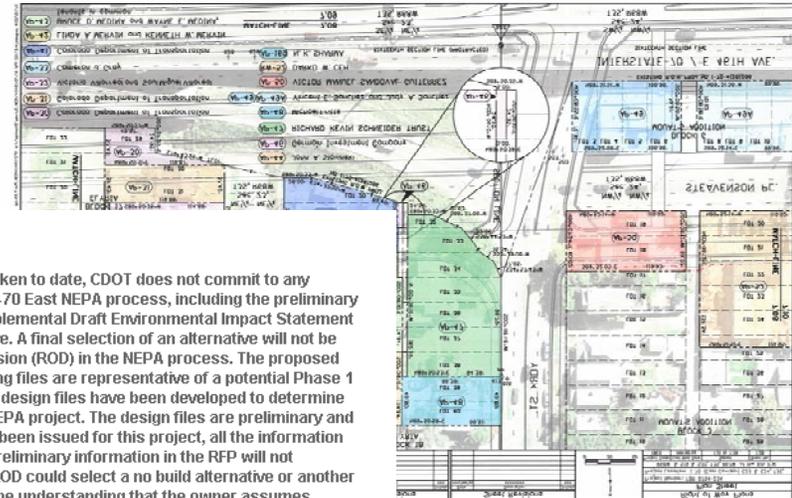


# I-70 East

## Due Diligence Materials

Intended information to be provided to Shortlisted Teams:

- Design Files
- Aerial Survey & Imagery
- ROW Plans



### I-70 East Design Data

Notwithstanding the steps that have been taken to date, CDOT does not commit to any alternative currently being evaluated in the I-70 East NEPA process, including the preliminary identified “preferred alternative” in the Supplemental Draft Environmental Impact Statement – the Partial Cover Lowered (PCL) Alternative. A final selection of an alternative will not be made until the issuance of a Record of Decision (ROD) in the NEPA process. The proposed design contained within some of the following files are representative of a potential Phase 1 project of the PCL Alternative. The following design files have been developed to determine potential project impacts for the I-70 East NEPA project. The design files are preliminary and are subject to change. Since a ROD has not been issued for this project, all the information provided is preliminary, and providing this preliminary information in the RFP will not prejudice the I-70 East NEPA process. The ROD could select a no build alternative or another build alternative. All files are provided with the understanding that the owner assumes absolutely no liability for errors, omissions, or misinterpretations of the information provided. These files are furnished only as a courtesy to all potential Proposers. The user assumes full responsibility for the use of the information provided. Please check back as these files or additional files could be updated or provided throughout the project development process.

- Aerial Files
- Hydraulics
- Project PDF Plots
- Roadway Design Files
- Structures
- Survey - Updated 2-25-15





# I-70 East

## Due Diligence Materials

Intended information to be provided to Shortlisted Teams:

- Geotechnical Investigation
- Hazardous Material Investigation
- Ground Water Monitoring



July 7, 2014

### Limited Subsurface Investigation Report

CDOT I-70 East Project  
Denver, Colorado

Prepared For:

Adline  
4601 DTC Boulevard, Suite 700  
Denver, Colorado 80237

Pinyon Project No.:

I/12-790-04.0019



**DRAFT**  
**Preliminary Subsurface Investigation Report**  
**I-70 East Corridor Project**  
**Brighton Boulevard to Dahlia Street**  
**Denver, Colorado**  
**CDOT Project No: FBR 0704-234 (19631)**

Yeh Project No.: 213-208

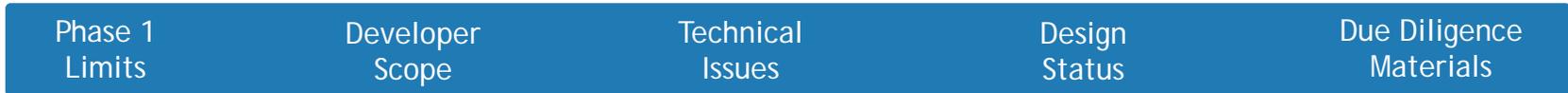
July 31, 2014

Prepared for:

Atkins North America, Inc.  
Abe M. Daniel Liddle, P.E.  
4601 DTC Boulevard, Suite 700  
Denver, Colorado 80237

Prepared by:

Yeh and Associates, Inc.  
2000 Clay Street, Suite 200  
Denver, Colorado 80211  
Phone: 303-781-0580  
Fax: 303-781-0583





# I-70 East

## Due Diligence Materials

Intended information to be provided to Shortlisted Teams:

- Drainage Report(s)
- Drainage Memorandum(s)

### Memorandum

**To:** I-70 PCL Drainage Multi-Agency Technical Team (MATTT)  
 - Urban Drainage and Flood Control District (UDFCD)  
 - Colorado Department of Transportation (CDOT)  
 - City and County of Denver (CCD)  
 - Regional Transportation District (RTD)  
 - Aurora  
 - Broomfield

**From:** Don Jacobs P.E. - Engenuity Engineering Solutions (Engenuity)

**Date:** August 1, 2014

**Re:** I-70 PCL Montebello Drainage Basin Hydrologic Analysis

**1.0 Contents of this Memorandum**

This memorandum was prepared by Engenuity Engineering Solutions documenting the Multi Agency Technical Team's (MATTT) investigation of the Montebello drainage basin hydrology in Denver, Colorado. A list of individual MATTT participating members is located in the appendix (see meeting minutes) and includes the Urban Drainage and Flood Control District (UDFCD), the Colorado Department of Transportation (CDOT), the City and County of Denver (CCD), and the Regional Transportation District (RTD). Organizational contents of this memorandum are listed below:

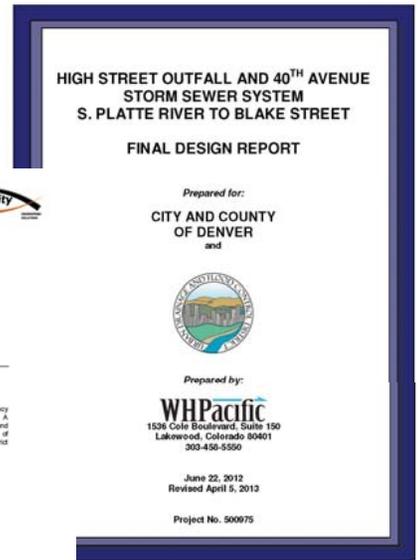
- 1.0 Contents
- 2.0 Background and Purpose
- 3.0 General Approach - Base Model Hydrology
- 4.0 Hydrologic Modeling Sensitivity Analysis
- 5.0 Revised I-70 PCL Hydrology Results and Final MATTT Recommendations
- 6.0 Appendix

**2.0 Background and Purpose**

CDOT has identified the Partial Covered Lowered Alternative (PCL) as the preferred alternative for improvements to I-70 East through Denver. A portion of this alternative includes regrading I-70 below grade between Brighton Boulevard and Colorado Boulevard, where the existing viaduct currently stands. While lowering the highway at this location provides several enhancements to the community such as reconnecting the Blythe and Swains neighborhoods, it also presents drainage challenges that must be addressed from a design standpoint.

The proposed lowered portion of the I-70 project crosses two major drainage basins in Denver - the Montebello and Park Hill basins. This memorandum specifically addresses the Montebello basin. Flood

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# I-70 East

## Due Diligence Materials

Intended information to be provided to Shortlisted Teams:

- Ventilation & Fire Life Safety Report
- Railroad Submittal(s)

I70-East Partial Covered Lowered Highway, Denver, Colorado

Covered and Depressed Sections Ventilation and Fire Life Safety Report for inclusion in the Draft EIS Report

Atkins North America  
February 2013

ATKINS

DEPARTMENT OF TRANSPORTATION  
STATE OF COLORADO

HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED  
FEDERAL AID PROJECT NO. FBR 0784-234  
STATE HIGHWAY NO. 70 UNDER UPRR (BRIDGE)  
DENVER COUNTY  
CONSTRUCTION PROJECT CODE NO. 19631  
UPRR M.P. 2.76; GREELEY SUB; DOT 4884-269C/266C

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UPRR 30% SUBMITTAL  
September 30, 2014



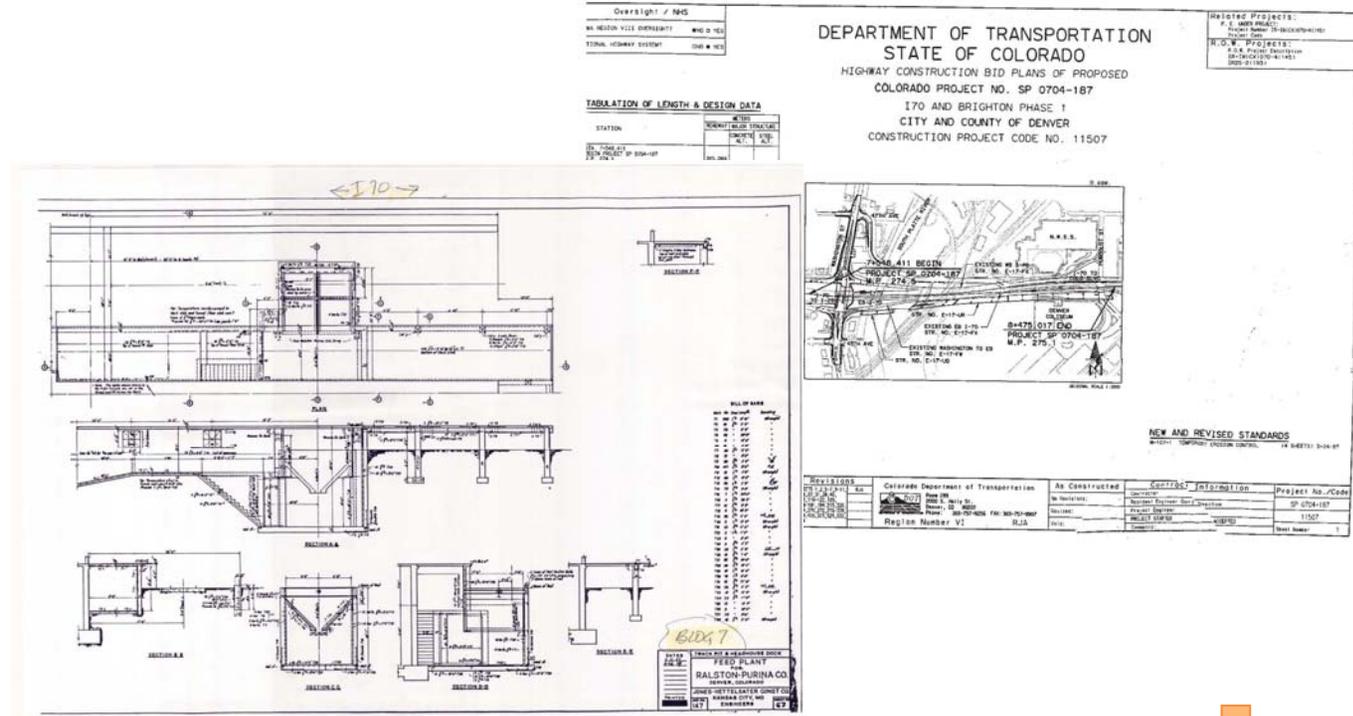


# I-70 East

## Due Diligence Materials

Intended information to be provided to Shortlisted Teams:

- As-built(s)



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

Due Diligence  
Materials

## Due Diligence Materials

Intended information to be provided to Shortlisted Teams:

- Utility As-built(s)
- Utility Matrix



Phase 1  
Limits

Developer  
Scope

Technical  
Issues

Design  
Status

Due Diligence  
Materials



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# Environmental, Community Relations & Transparency

*Rebecca White*  
*I-70 East Communications Director*



# I-70 East

## Status of Environmental Impact Statement

2003: Began Environmental Impact Statement (EIS)

- Over 90 alternatives considered in early stages of EIS

2008: Draft EIS Published

2011: Year-long Community Committee Process

- Formed to select a preferred alternative from 2008 Draft

2012: Second review of previously considered alternatives

- Led to development of Partial Cover Lowered (PCL) Alternative

2014: Supplemental Draft Environmental Impact Statement

2016: Final Environmental Impact Statement and Record of Decision

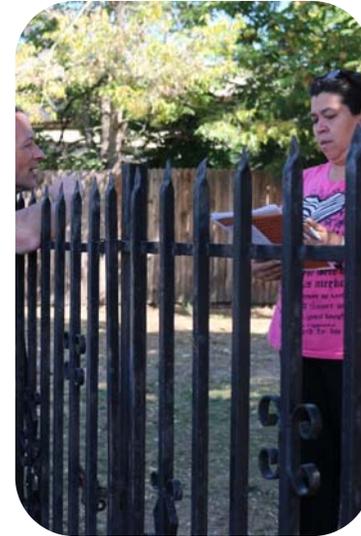




# I-70 East

## Community Engagement

- Community Meetings
  - Issue specific to corridor-wide
  - Monthly “community leaders”
- Door-to-door outreach
  - In advance of key decision points
- Spanish Translation
  - All materials and all meetings
- Being a part of the community
  - Attendance at community events church fairs, school events, etc

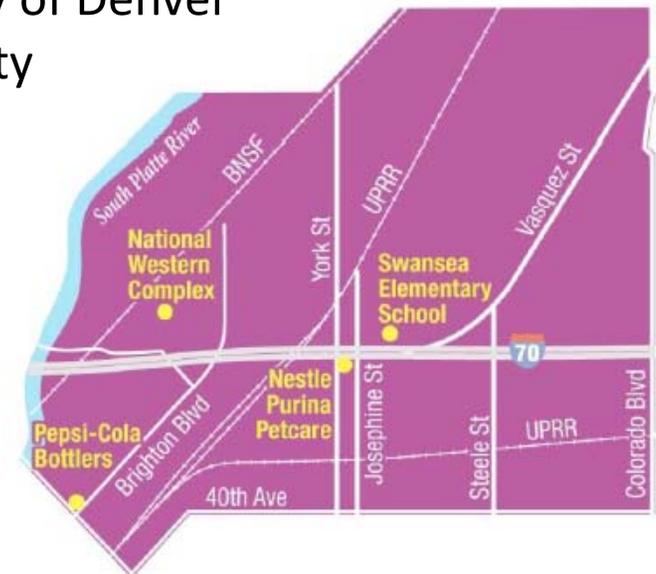
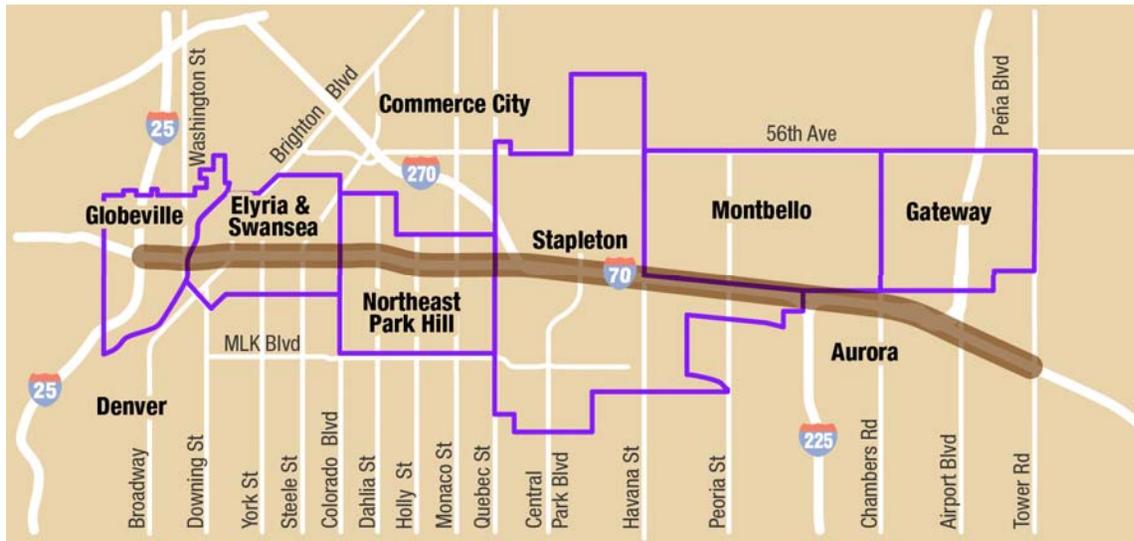




# I-70 East

## What is the I-70 East Community?

- Long-established neighborhoods
- Elyria and Swansea; predominantly Hispanic and Spanish-speaking
- Among the highest home-ownership rates in City of Denver
- Swansea Elementary School; center of community
- Major business and industrial corridor





## Communications Commitment



- CDOT is committed to engaging stakeholders through the life of the Project
- Project will require active and proactive communication with community members, businesses, and governmental agencies
- An emphasis on cultural sensitivity with respect to the surrounding communities is critical
- 1,200 businesses are located within one-quarter mile of the Project, many of which depend on access to I-70 East





# I-70 East

## Project Delivery--Transparency

- Guided by Governor's Executive Order and HPTE Transparency Policy
- Efforts to date:
  - Two rounds of townhall meetings
  - "What is an RFQ" document
  - Summary of Value for Money Analysis
- Additional outreach planned during procurement stage

I-70 East Project Financing and Delivery Options  
*A Summary of the Value for Money Analysis*



February 2, 2015



## I-70 East

# Small and Disadvantaged Business Opportunities and On-the Job-Training

- Federal requirements expected to apply
- Expectation that CDOT will seek ways to expand our programs and try new ideas
- Seeking every opportunity to stress the importance of a robust DBE program for the I-70 East project
  - October 22 “Spotlight Forum” focused on introducing DBE community to prime contractors

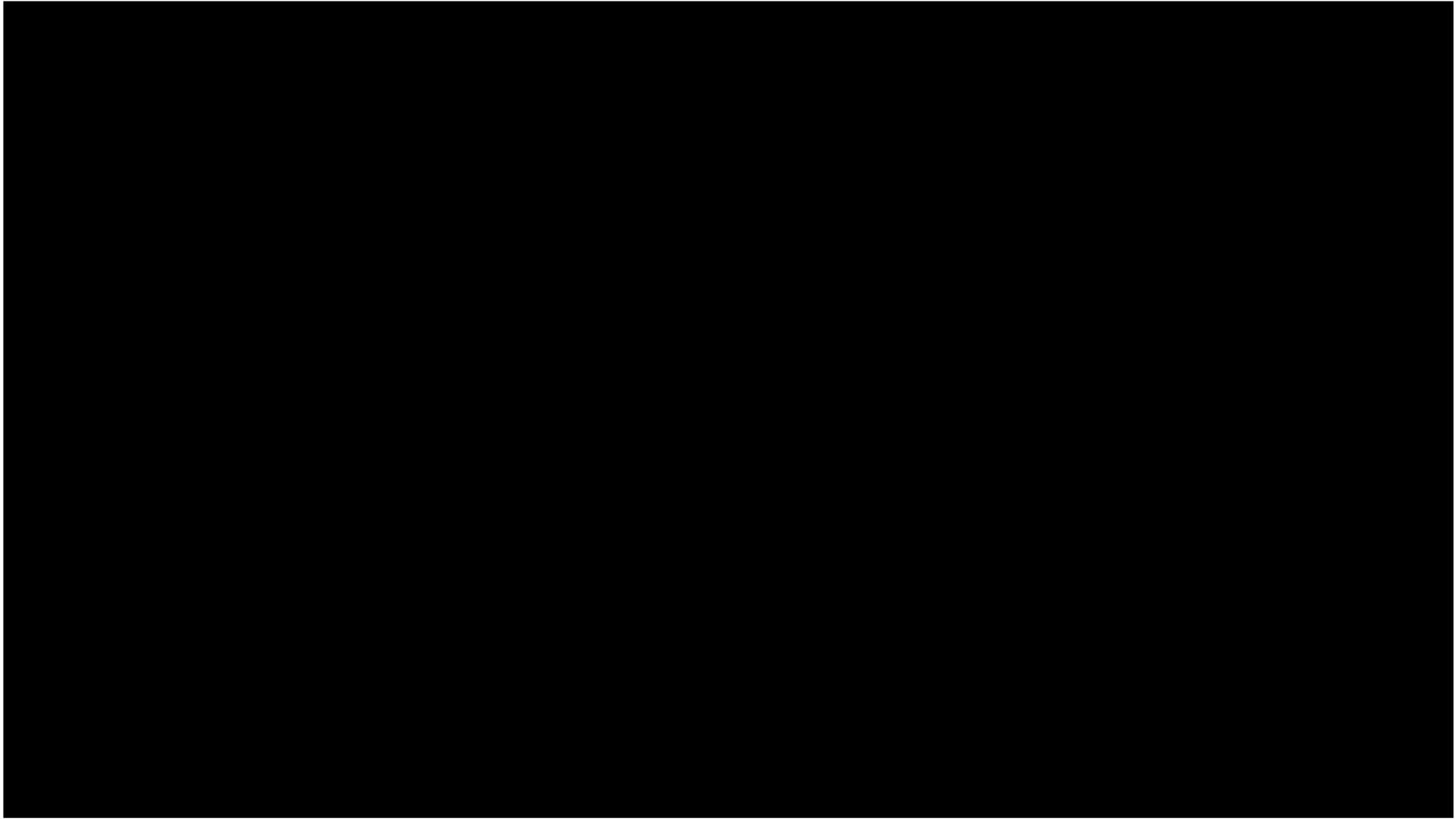


## Disadvantaged Business Enterprise: Goal Setting

- Will be coordinated with overall CDOT-wide DBE goal for FY 2016-FY2018.
  - This process requires CDOT to develop a report describing each step in the goal setting process and the ultimate goal determinations.
  - CDOT must also engage industry partners for comment on the process and its determinations.
  - The public involvement will begin in May and conclude at the end of June.
-



# I-70 East





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# Financing and Legal Overview

*Brett Johnson*  
*Director, Office of Major Projects, CDOT*



# I-70 East

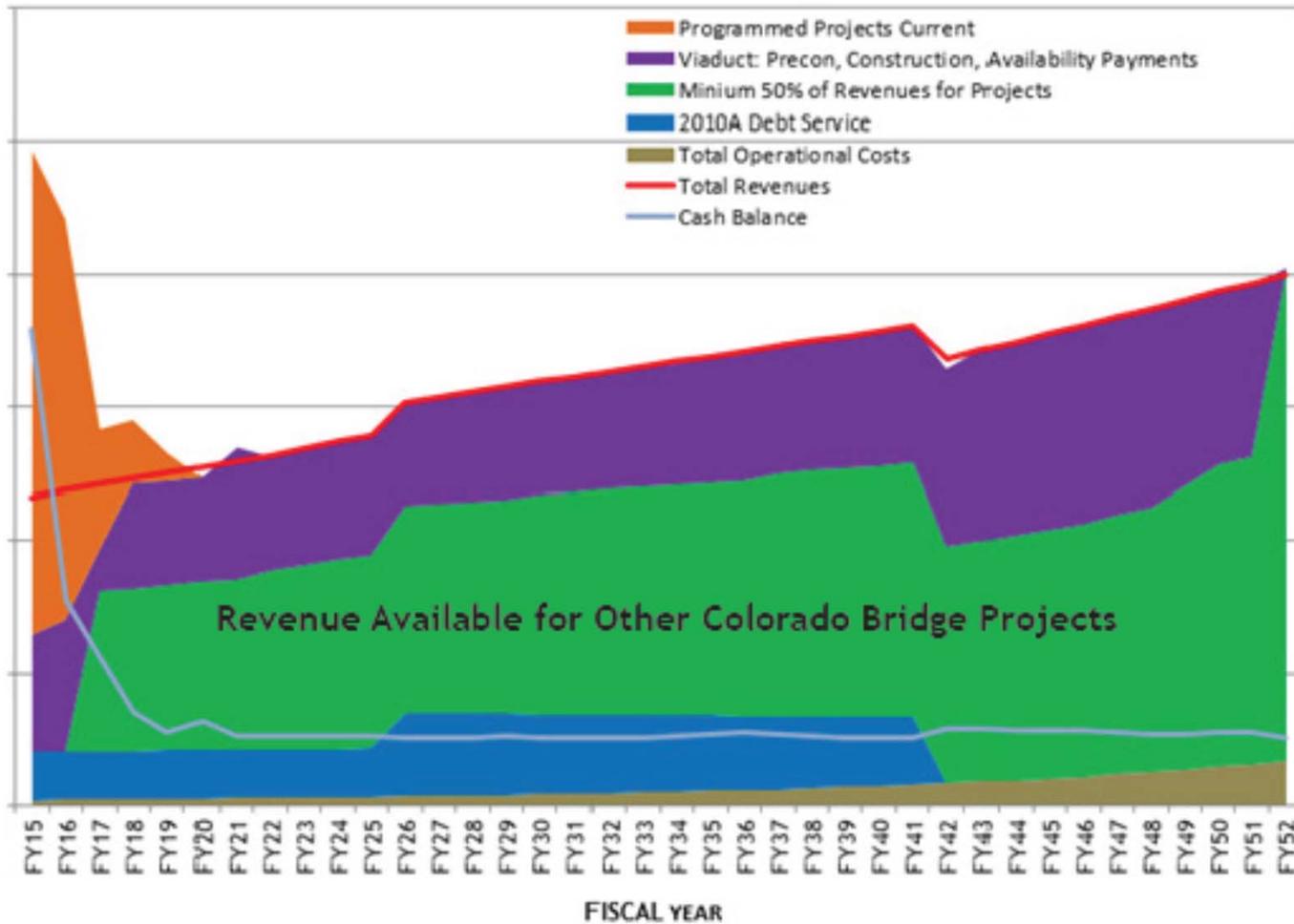
## Project Financials

- Identified Sources
    - Colorado Bridge Enterprise (CBE) \$850m
    - DRCOG Commitment \$50m
    - SB 228 Funds \$180m
    - To Be Determined \$90m
  - Financial Structure:
    - Up-front contributions and construction milestone payments
    - Ongoing availability payment structure for capital and OMR
    - Toll Risk is not transferred to Developer
    - Looking to optimize project and payment structure based on available revenues
-



# I-70 East

## CBE Revenues and Dedicated Uses





## I-70 East

### CBE Revenues and Dedicated Uses

- CBE is authorized to impose a bridge safety surcharge fee as the mechanism to finance, repair, reconstruct and replace any designated bridge.
- I-70 East represents 61% of “bridge deck” representing 128 total eligible bridges





# I-70 East

## Legal Authority

- FASTER legislation created CBE and HPTE enterprises
    - HPTE's business purpose is to pursue innovative finance and contracting solutions to deliver surface transportation infrastructure projects in the state of Colorado. C.R.S. § 43-4-806(2)(c).
    - CBE is authorized to impose a bridge safety surcharge fee as the mechanism to finance, repair, reconstruct and replace any designated bridge. C.R.S. § 43-4-805(2).
-



# I-70 East

## Legal Authority

- Other Legal Features
  - Both HPTE and CBE are not subject to TABOR (Taxpayer's Bill of Rights)
  - Both HPTE and CBE have the authority to enter into public-private partnerships. See C.R.S. §§ 43-4-805(5)(h) and 806(2)(c).





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# Rules of Engagement and Procurement Process

*Michael Cheroutes*  
*Director, High Performance*  
*Transportation Enterprise*



# I-70 East

## The Timeline

- March 2015 RFQ Released
  - June 2015 RFQ Submissions Due
  - July 2015 Shortlist Announced
  - September 2015 Draft RFP Issued
  - Late 2015/Early 2016 Final EIS Issued (FEIS)
  - Early 2016 Issue Final RFP Documents
  - Mid 2016 Record of Decision (ROD)
  - Summer 2016 Administrative/Technical and Financial Proposals Due
  - Fall 2016 Selection, Commercial Close
  - Late 2016 Financial Close
-



# I-70 East

## Key Procurement Point of Contacts

- **Nick Farber, JD, Enterprise Specialist**  
High Performance Transportation Enterprise  
Colorado Department of Transportation  
4201 East Arkansas Avenue  
Denver, CO 80222  
Phone: (303) 757-9448  
Mobile: (720) 248-8544  
Email: [DOT\\_I70EProject@state.co.us](mailto:DOT_I70EProject@state.co.us)  
Website: [www.coloradohpte.com](http://www.coloradohpte.com)
  - **Robert G. Valentine, Senior Vice President**  
Macquarie Capital, Macquarie Capital (USA) Inc.  
125 West 55th Street  
New York, NY 10019-5369  
Phone: (212) 231-6405  
Mobile: (646) 379-8952  
Fax: (212) 231-1718  
Email: [robert.valentine@macquarie.com](mailto:robert.valentine@macquarie.com)  
Website: [www.macquarie.com](http://www.macquarie.com)
-



# I-70 East

## Restricted Agency(s)

- DRCOG or any member thereof
  - City and County of Denver, Commerce City, the City of Aurora and Adams County
  - Any office of US DOT and FHWA
  - Any railroad that operates in the I-70 East Corridor, including the Union Pacific Railroad, BNSF Market Lead and Denver Rock Island Railroad
  - Any utility that provides service in the I-70 East Corridor
  - Any environmental, regulatory and permitting agencies
  - Denver Public Schools and Swansea Elementary School
  - Denver International Airport (DIA)
  - Regional Transportation District (RTD)
-



# I-70 East

## Restricted CDOT Advisors

- Macquarie Capital
- Atkins
- Altus Group Limited
- Kaplan Kirsch & Rockwell LLP
- Freshfields Bruckhaus Deringer US LLP
- Strategies 360
- Communication Infrastructure Group, LLC
- Yeh and Associates, Inc.
- Major Enterprises
- E-470





# I-70 East

## Next Steps

Stay Updated with the following Websites:

- <http://i-70east.com>
- <https://www.codot.gov/programs/programs/high-performance-transportation-enterprise-hpte>
- [www.codot.gov/projects/i70east](http://www.codot.gov/projects/i70east)
- <https://www.codot.gov/programs/high-performance-transportation-enterprise-hpte/procurement/i-70/i-70-east/i-70-east-design-data>



**Attendees at CDOT I-70 East Industry Forum    March  
11-12, 2015**

ACI Consulting  
ACS Infrastructure Devel  
AECOM Capital  
Airborne Solutions, Inc  
Ames Construction  
Anderson Drilling  
Aon Risk Solutions  
Apex Design  
Arup  
Atkins  
Aztec  
BBGI SICAV  
BBVA Compass  
Beam, Longest and Neff  
Bechtel Enterprises Holdings, Inc.  
Bechtel Infrastructure Corporation  
BMO Capital Markets  
Bracewell & Giuliani  
Bridge Diagnostics, Inc  
BT Construction Inc  
C2PM  
Celina Inc.  
CH2M Hill  
Chacon's  
Cherry Creek Insurance Group  
CIBC World Markets Corp  
Cintra  
City and County of Denver  
Civil Technology, Inc.  
CO US 36 Express Lanes Project  
Collins Engineers, Inc  
Concrete Imaging  
David Evans & Associates, Inc  
DeAndrea  
Denver MDBA Center  
Denver Public Schools  
Denver Transit Partners, LLC  
Diverse Project Consultants, LLC  
Dragados USA  
Dynalectric Colorado  
E2Optics  
EcoSys  
EnCon Colorado

EnCon United  
FCC Concessions  
FCC Construction  
Federal Highway Administration  
Ferrovia  
Flatiron Construction  
Fluor Enterprises  
Freshfields  
FulcrumOne  
Gilbane  
Gleatfs Consulting Engineering  
Goldman Sachs  
Granite Construction Co  
Ground Engineering  
H&E Equipment  
Hamon Contractors, Inc.  
Harrison Western Construction  
HDR  
HNTB Corporation  
HOCHTIEF  
Hogan Lovells  
Huitt-Zollars, Inc  
Interstate Highway Construction  
Iron Horse Architects  
Isolux Corsan  
Isolux Infrastructure  
J.P. Morgan  
Jacobs  
JKS Industries, LLC  
John Laing  
Judlau Contracting, Inc  
Kaplan Kirsch & Rockwell, LLP  
Kaplan Kirsch & Rockwell, LLP  
Kiewit  
KPMG  
Kraemer  
Lawrence Construction  
Linda Wilson Group  
Loop Capital Markets  
Macquarie Capital  
Martin Consulting Engineers  
Martin/Martin, Inc.  
Mayer Brown  
Mayer Brown, LLP  
Meridiam  
Muller Engineering Company, inc.  
NKE Engineering, LLC

North Denver Cornerstone Collaborative  
Northwest Parkway, LLC  
Oldcastle Precast  
Pacheco Construction Products, Inc  
Parsons  
Parsons Brinckerhoff  
Peak Crane Service, Inc  
Pinyon Environmental, Inc  
Plenary Group  
PM Link 360  
Precast Concepts, LLC  
Project Alliance, LLC  
Raba Kistner Infrastructure  
Robert Sakaguchi Consulting, LLC  
RockSol Consulting Group, Inc.  
Roy Jorgensen Associates  
Sacyr  
Saunders Construction  
Silverado Services  
Skanska Infrastructure Development  
Skanska USA Civil West  
Sky to Ground, LLC  
Snell & Wilmer  
Societe Generale  
Squire Patton Boggs  
Stantec  
Stifel, Nicolaus & Company  
Sturgeon Electric Company, Inc  
STV Inc  
SynEnergy  
Terrametrix, LLC  
The Denver Post  
The Lane Construction Corp  
The Sanford Group  
The Transtec Group  
Transfield Services  
Travlers  
Triunity Engineering  
Trujillo Construction  
URS Corporation  
Xerox State Solutions  
Zachry Construction Corp  
ZoZo Group, LLC