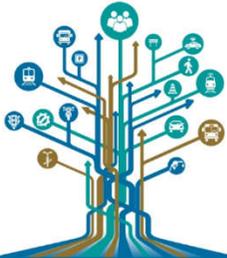


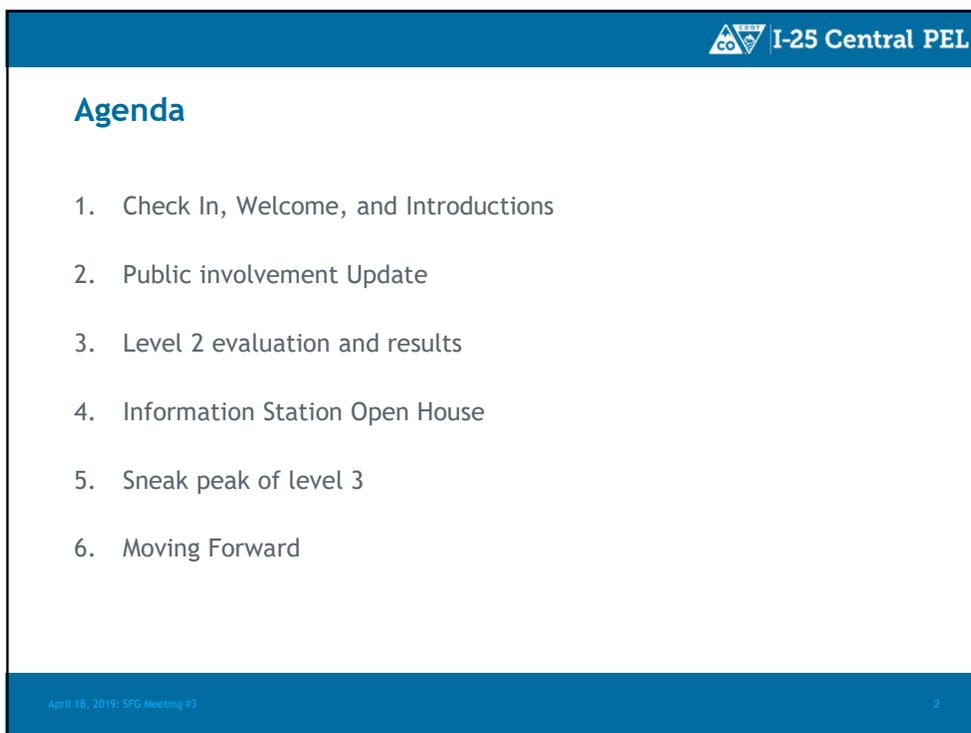
The slide features a blue header bar at the top. On the left, there is a stylized tree graphic where the branches are represented by various icons such as a person, a car, a truck, and a bus. To the right of the tree is the Colorado Department of Transportation (CDOT) logo, which includes a mountain, a river, and the letters 'CDOT' above a 'CO' in a triangle. Further right, the text 'I-25 Central PEL' is written in a bold, orange font. Below the header, the main content area has a dark blue background with white text. The title 'Stakeholder Focus Group (SFG) Meeting #3' is centered, followed by the subtitle 'Level 2 Evaluation Results'. At the bottom left, there is a small white text box containing 'April 18, 2019: SFG Meeting #3', and at the bottom right, there is a small white number '1'.

  **I-25 Central PEL**

**Stakeholder Focus Group (SFG)
Meeting #3**

Level 2 Evaluation Results

April 18, 2019: SFG Meeting #3 1



The slide features a blue header bar at the top with the CDOT logo and the text 'I-25 Central PEL' on the right. Below the header, the main content area has a white background. The word 'Agenda' is written in a bold, blue font. Below it is a numbered list of six items. At the bottom left, there is a small white text box containing 'April 18, 2019: SFG Meeting #3', and at the bottom right, there is a small white number '2'.

 **I-25 Central PEL**

Agenda

1. Check In, Welcome, and Introductions
2. Public involvement Update
3. Level 2 evaluation and results
4. Information Station Open House
5. Sneak peak of level 3
6. Moving Forward

April 18, 2019: SFG Meeting #3 2

Project Refresher

Project Limits:
I-25, US 85 to 20th Street

Meeting #1:

- Purpose and need
- Goals and objectives
- Existing conditions

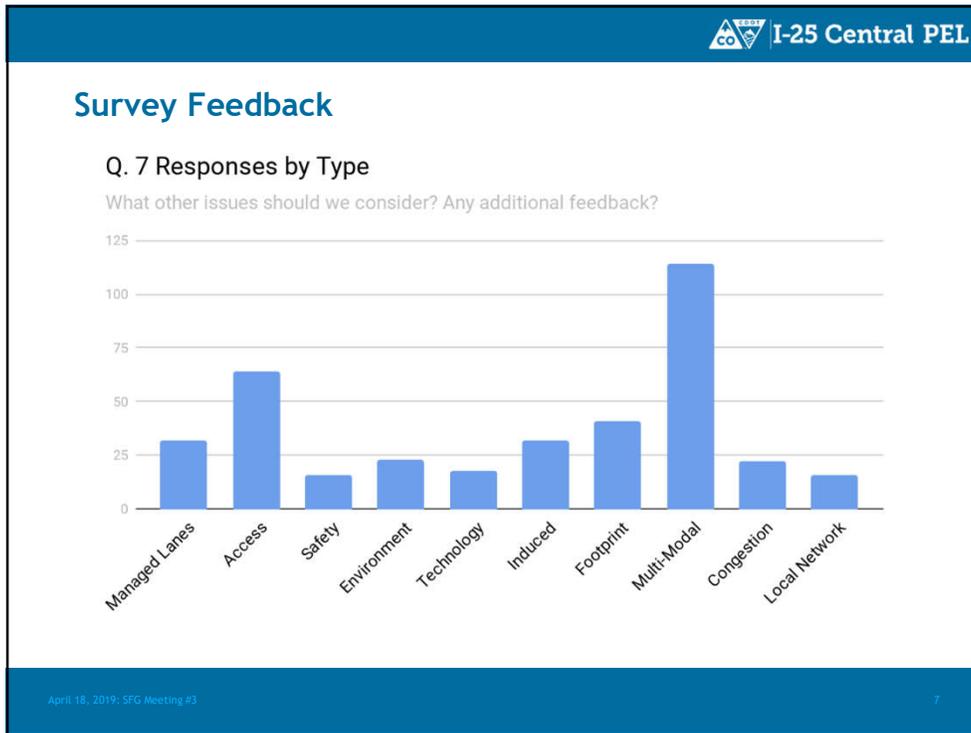
Meeting #2

- Outcomes of the Level 1 alternative evaluation (purpose and need)



Public Involvement





CO I-25 Central PEL

SFG Input

- Multi-modal (transit/bike/ped)
- Consider future density
- Induced demand
- Impact to neighborhoods



Alternatives Evaluation Process

This project is using a three level evaluation process:

Level 1:

Does the alternative meet the project's purpose and need?

Yes/No/Neutral

Level 2:

Does the alternative address the needs, goals, and objectives to a satisfactory level?

Yes/No/Neutral with qualitative discussion

Level 3:

Does the alternative address the needs, goals, and objectives to a satisfactory level and balance trade-offs?

Quantitative data and qualitative discussion

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Level 1 Evaluation Outcomes

No Action	Additional General Purpose Lanes
I-25 Reroute with Urban Boulevard X	Dedicated Transit Lanes
Lane Reductions X	New Transit Facility
Shoulder Lane Use ▶	Collector/Distributor Roads
I-25 Geometric Refinements	Add Express Lanes
I-25 Geometric Improvements	Multi-Level Highway
I-25 Realignment	TDM and ITS
Lane Conversion	Congestion Pricing

April 18, 2019: SFG Meeting #3 10

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Quantitative data and qualitative discussion

Criteria Considered During Level 2 Evaluation

- Safety
- Congestion
- Travel Time Reliability
- Crossings
- Access
- Environment
- Future Flexibility and Technology
- Constructability

Outcomes of Level 2 Evaluation

Carried Forward - Primary Element

- Alternative is carried forward as a primary element of a Level 3 alternative.

Carried Forward - Secondary Element

- Alternative has negative tradeoffs that make it an undesirable alternative for consideration as a primary element. Specific elements of the alternative will be carried forward for potential incorporation with a primary element during the Level 3 evaluation.

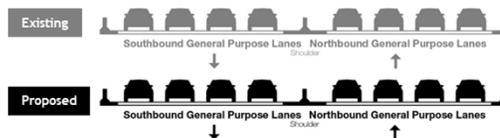
Not Recommended

- Alternative meets the purpose and needs of the project but requires extraordinary design or costs that make it difficult to implement at this time. The alternative will not be refined or evaluated further in Level 3.



No Action

Family: Operational/Offline Improvements



KEY CONSIDERATIONS:

- Does not address the identified geometric issues which result in safety concerns
- Does not add capacity nor reduce demand for I-25
- Does not reduce the impact of incident or events along the corridor
- Carried forward only to provide a baseline for future comparisons

Carried Forward as a Stand-Alone Alternative





Congestion Pricing

Family: Operational/Offline Improvements

Existing



Proposed



KEY CONSIDERATIONS:

- Does not address the identified geometric issues which result in safety concerns
- General tolling on interstate facilities is limited by current federal law. Therefore, implementation of this alternative would require extensive coordination

Carried Forward
as a Secondary
Element

15





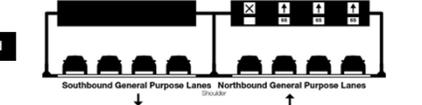
Operations and Demand Management

Family: Operational/Offline Improvements

Existing



Proposed



KEY CONSIDERATIONS:

- Does not address the identified geometric issues, which result in safety concerns
- Can improve traffic operations but not to the scale needed to adequately reduce congestion

Carried Forward
as a Secondary
Element

16





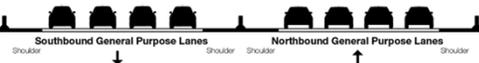
Bring the Corridor to Standard

Family: No Additional Through Capacity

Existing



Proposed



KEY CONSIDERATIONS:

- Addresses some of the identified safety issues on the corridor including adding shoulders and improving geometric conditions
- Would not smooth the lane changing (merging and weaving) required on the freeway and would therefore not adequately reduce congestion

Carried Forward
as a Secondary
Element

17





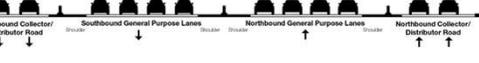
Add Collector/Distributor Roads

Family: No Additional Through Capacity

Existing



Proposed

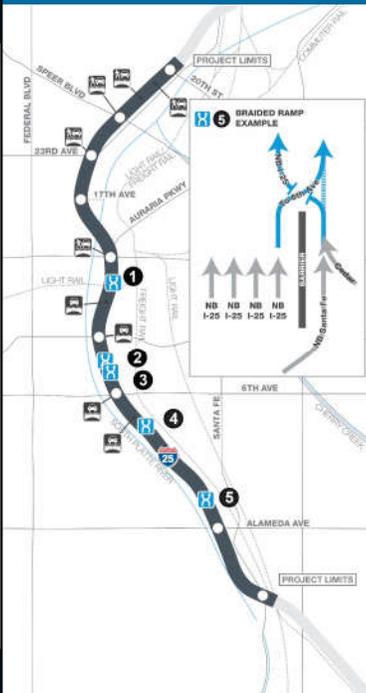


KEY CONSIDERATIONS:

- Addresses the identified safety issues on the corridor including adding shoulders and improving geometric conditions
- Would smooth traffic flow on the freeway by separating out merging and weaving traffic from through traffic
- Provides the opportunity to consolidate access to the mainline freeway while minimizing the need to eliminate access to the local roadway network
- The right of way impacts would be moderate to large

Carried Forward
as a Primary
Element

18




I-25 Central PEL

Add Braided Ramps

Family: No Additional Through Capacity

Existing



Proposed



KEY CONSIDERATIONS:

- Addresses the identified safety issues on the corridor including adding shoulders and improving geometric conditions
- Would smooth traffic flow on the freeway by eliminating the need for vehicles coming onto the freeway to change lanes across vehicles exiting the freeway
- Addresses the identified ramp spacing issues without having to reduce access to the freeway
- The right of way impacts would be moderate

Carried Forward
as a Primary
Element

19




I-25 Central PEL

New Transit Facilities

Family: No Additional Through Capacity

Existing



Proposed

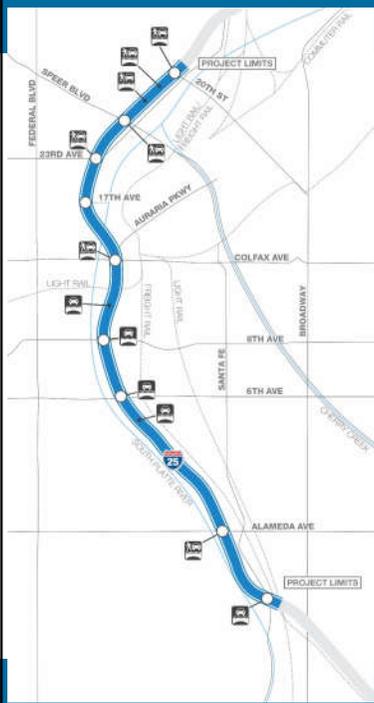


KEY CONSIDERATIONS:

- Improved transit service would not remove enough trips from I-25 to notably reduce congestion
- CDOT does not own or operate local transit service. Therefore, implementation of this alternative would need to align with RTD's resources and priorities
- By bringing the corridor to standard, addresses some of the identified safety issues on the corridor including adding shoulders and improving geometric conditions

Carried Forward
as a Secondary
Element

20




I-25 Central PEL

Add General-Purpose Lanes (One)

Family: Some Additional Through Capacity

Existing



Proposed

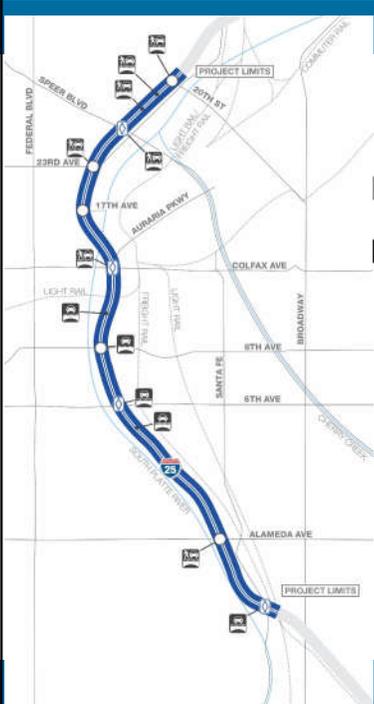


KEY CONSIDERATIONS:

- Addresses some of the identified safety issues on the corridor including adding shoulders and improving geometric conditions
- Adding a lane in each direction will help accommodate the existing and future travel demand on I-25
- Would not smooth the lane changing (merging and weaving) required on the freeway
- The right of way impacts of widening I 25 would be moderate

**Carried Forward
as a Primary
Element**

21




I-25 Central PEL

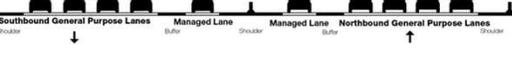
Add Managed Lanes

Family: Some Additional Through Capacity

Existing



Proposed



KEY CONSIDERATIONS:

- Addresses some of the identified safety issues on the corridor including adding shoulders and improving geometric conditions
- Adding lanes will help accommodate the existing and future travel demand on I-25
- Would not smooth the lane changing (merging and weaving) required on the freeway
- The ability to manage new lanes on I-25 increases CDOT's flexibility to meet mobility goals both now and into the future
- The right of way impacts would be moderate to large

**Carried Forward
as a Primary
Element**

22




I-25 Central PEL

Realign and Split the Corridor

Family: Some Additional Through Capacity

Existing



Proposed



KEY CONSIDERATIONS:

- Addresses some of the identified safety issues on the corridor including adding shoulders and improving geometric conditions
- Would not smooth the lane changing (merging and weaving) required on the freeway
- The right of way and environmental impacts of realigning a portion of I 25 to the west side of the South Platte River would be large

Carried Forward
as a Secondary
Element

23




I-25 Central PEL

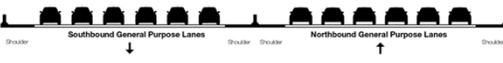
Add General-Purpose Lanes (Two)

Family: Substantial Capacity Added

Existing



Proposed



KEY CONSIDERATIONS:

- Addresses the identified safety issues on the corridor including adding shoulders and improving geometric conditions
- Adding two lanes in each direction will help accommodate the existing and future travel demand on I-25
- Would not smooth the lane changing (merging and weaving) required on the freeway
- The right of way impacts of widening I-25 would be large

Carried Forward
as a Primary
Element

24





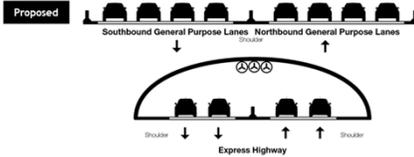
Construct a Tunnel

Family: Substantial Capacity Added

Existing



Proposed



KEY CONSIDERATIONS:

- This alternative would not address the identified geometric/safety issues identified along the existing corridor
- Would not smooth the lane changing (merging and weaving) required on the freeway
- This alternative would have extreme construction, operations, and maintenance costs.

Not Recommended

25





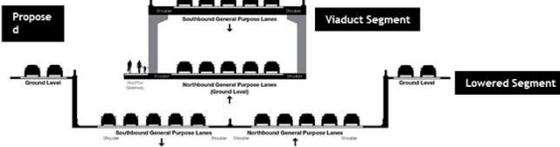
Construct a Multi-Level Highway

Family: Substantial Capacity Added

Existing



Proposed



KEY CONSIDERATIONS:

- Addresses the identified safety issues on the corridor including adding shoulders and improving geometric conditions
- Double-decking or lowering prolonged sections of the highway would have extreme construction costs
- A multi-level highway would allow some capacity expansion with minimal right-of-way expansion.

Carried Forward as a Secondary Element

26




I-25 Central PEL

Realign Adjacent to RTD

Family: Substantial Capacity Added

Existing



Proposed



KEY CONSIDERATIONS:

- Addresses the identified safety issues on the corridor including adding shoulders and improving geometric conditions
- The right of way impacts of realigning a portion of I-25 to be adjacent to the RTD light rail tracks would be large

Carried Forward as a Secondary Element

27


I-25 Central PEL

Moving from Level 2 to Level 3 Alternatives

Level 2 Alternatives	Level 2 Evaluation Results
Operational/Offline Improvements	
No Action →	Carried forward only to provide a baseline for future comparisons
Congestion Pricing →	Does not address the identified geometric issues which result in safety concerns
Operations and Demand Management →	Can improve traffic operations but not to the scale needed to adequately reduce congestion
No Additional Through Capacity	
Bring the Corridor to Standard →	Addresses some of the identified safety issues, but would not adequately reduce congestion
Add Collector/Distributor Roads →	Addresses safety issues, smooths traffic flow, and provides opportunities to consolidate access to the mainline freeway. Would have moderate to large right of way impacts.
Add Braided Ramps →	Addresses safety issues, and smooths traffic flow. Would have moderate right of way impacts.
New Transit Facilities →	Addresses some of the identified safety issues, but would not adequately reduce congestion. Extensive coordination with RTD required.
Some Additional Through Capacity	
Add General Purpose Lanes (One) →	Addresses some of the identified safety issues and better accommodates existing and future travel demand. Would have moderate right of way impacts.
Add Managed Lanes →	Addresses some of the identified safety issues and better accommodates existing and future travel demand. Would have moderate to large right of way impacts.
Realign and Split the Corridor →	Addresses some of the identified safety issues. Would have large right of way and environmental impacts.
Substantial Capacity Added	
Add General Purpose Lanes (Two) →	Addresses some of the identified safety issues and better accommodates existing and future travel demand. Would have large right of way impacts.
Construct a Tunnel X	Would not address identified safety issues, and would have extreme costs.
Construct a Multi-Level Highway →	Addresses the identified safety issues, but would have extreme costs. Would have minimal right of way impacts.
Realign Adjacent to RTD →	Addresses the identified safety issues, but would have large right of way impacts

April 18, 2019: SFG Meeting #3

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 I-25 Central PEL

Alternatives Evaluation Process

This project is using a three level evaluation process:

Level 1:

Does the alternative meet the project's purpose and need?

Yes/No/Neutral

Level 2:

Does the alternative address the needs, goals, and objectives to a satisfactory level?

Yes/No/Neutral with qualitative discussion

Level 3:

Does the alternative address the needs, goals, and objectives to a satisfactory level and balance trade-offs?

Quantitative data and qualitative discussion

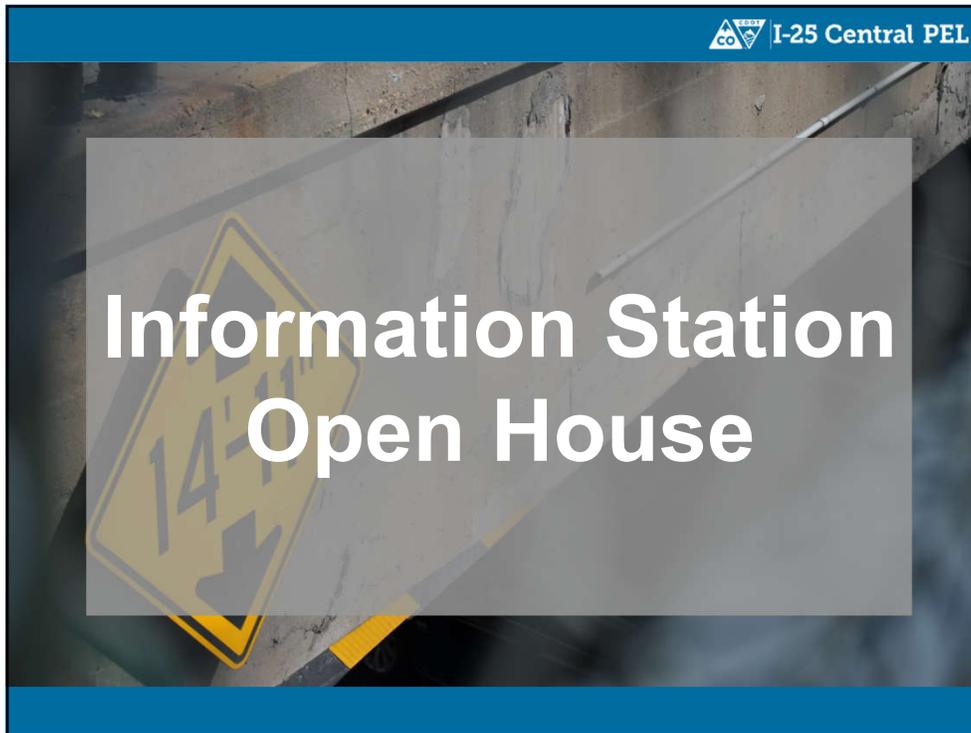
April 18, 2019: SFG Meeting #3 29

 I-25 Central PEL

Key Questions to be Answered in Level 3 and documented in the PEL report:

- Can access and geometric fixes alone meet current and future needs, goals, and objectives?
- What multi-modal (transit and bike/pedestrian) improvements are expected in the area, and how can they be promoted and accommodated in the corridor?
- How many additional lanes, if any, are needed on I-25 to support current and future needs?
- How will the highway effect volumes on parallel and cross-streets?
- Is there an option for a reasonable guarantee of consistent travel time?
- What will be the impact to the surrounding environment?
- Does the alternative provide for future flexibility?

April 5, 2017: EOC Meeting #3 30



A graphic with a blue header bar containing the logo for 'I-25 Central PEL' and the text 'Next Steps' in blue. Below the header is a vertical timeline with a blue arrow pointing downwards. The timeline consists of six steps, each with a circular marker. The first four steps have solid blue markers, the fifth has a white marker with a blue outline, and the sixth has a white marker with a blue outline. The text for each step is as follows:

- August 2017 - Project initiation/kick-off
- February to August 2018 - Purpose and Need
Develop evaluation process and alternatives
- October to December 2018 - Review alternatives and level 1 evaluation
- Spring/Summer 2019 - Review level 2 evaluation
Public open house - June 6
- Summer/Fall 2019 - Review level 3 evaluation
Next TAC, EOC, & SFG Meeting
- Fall 2019 - PEL study complete

At the bottom of the slide, there is a blue footer bar with the text 'April 18, 2019: SFG Meeting #3' on the left and '32' on the right.

Questions