



SH 52 Coalition Meeting

November 18, 2021





- Milestones Review
- Using the PEL
- Using the ACP
- Next Steps



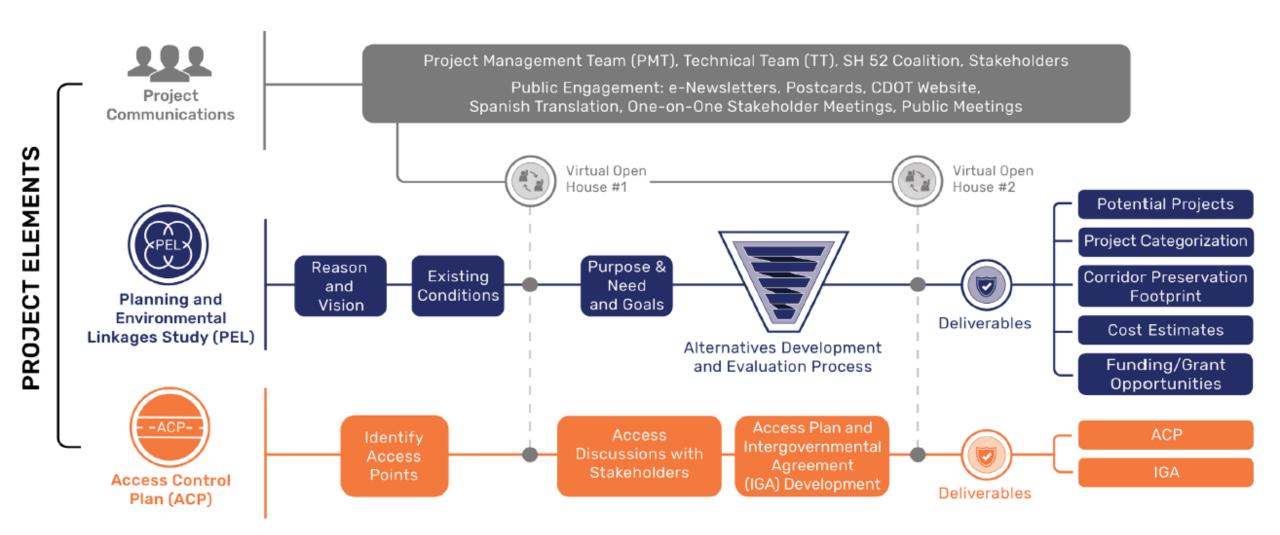




Milestones Review

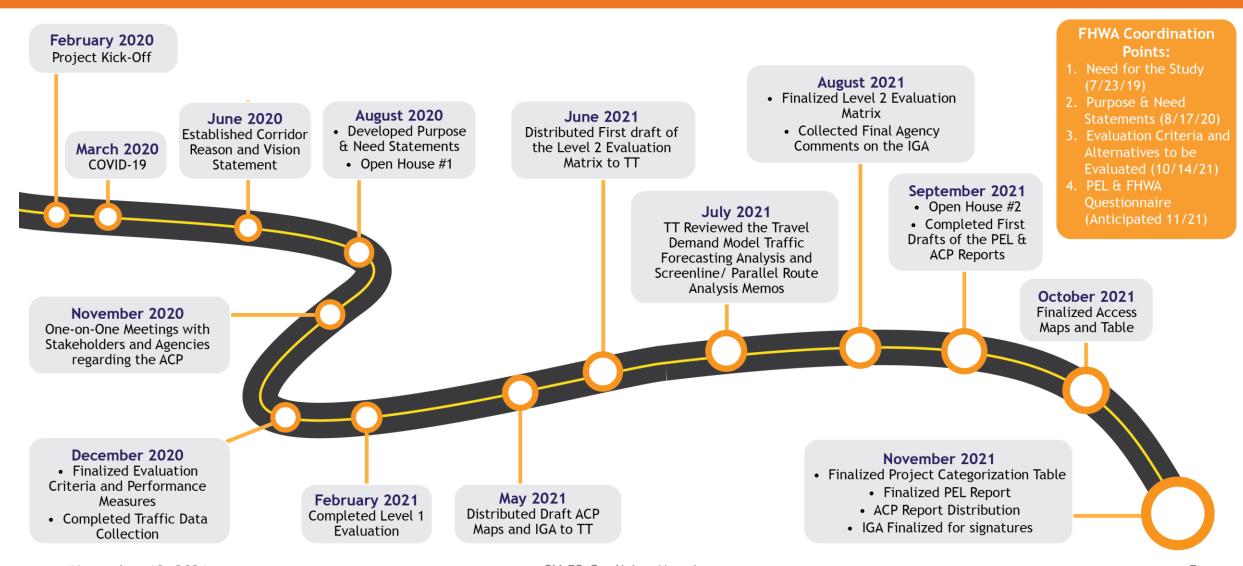


CO 52 PEL & ACP Project Delivery





PEL Milestones







Using the PEL & ACP



Using the PEL



- 1. Introduction
- 2. Existing Conditions Overview
- 3. Purpose & Need and Goals
- 4. Alternatives Development and Evaluation
- 5. Identification of Potential Projects
- 6. Agency and Public Coordination



Existing Conditions Overview



- Existing Conditions Report
 - Planning Context
 - Transportation Context
 - Environmental Overview



Purpose & Need and Goals

REASON

Why is this PEL being conducted?

The reason for conducting this PEL is to complete a high level study of CO 52 to better understand transportation issues and environmental resources along the corridor. It will support CDOT, the local agencies, stakeholders, and the public to determine improvements that should be made and estimate right of way preservation for future projects. This study will prioritize a list of short and long term projects that will benefit CO 52 in both Boulder and Weld Counties.

VISION

What is the vision for the CO 52 corridor?

The vision for CO 52 is to improve safety and travel time reliability along the corridor for all modes and accommodate future growth plans of the local communities.

PURPOSE & NEED

What are the greatest needs in the corridor that should be addressed?

The purpose of the recommended transportation improvements is to increase safety, accommodate increased travel and freight demand, and support multi-modal connections.

GOALS

What additional items need to be addressed?

The project goals should consider the natural and built environment, support local and regional planning efforts, identify estimated ROW needs, and accommodate future technology.

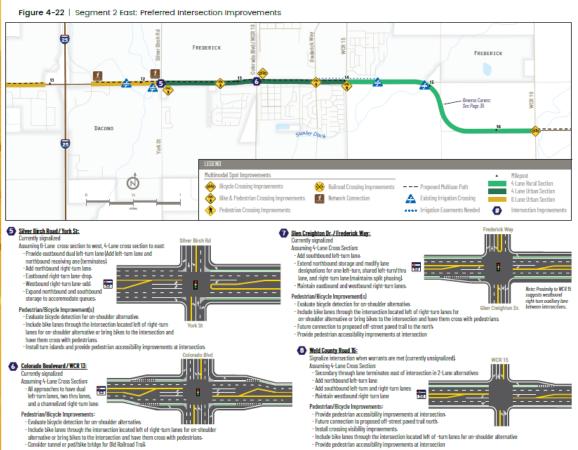


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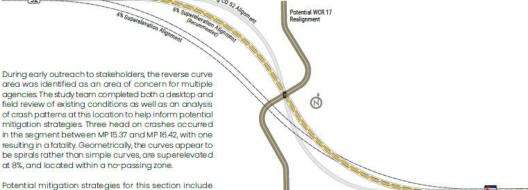
Corridor and Intersection Alternatives



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Reverse Curves (MP 15.5 to MP 15.57)

Figure 4-16 | Reverse Curves and Potential Weld County Road 17 Realignment



Potential mitigation strategies for this section include replacing the spiral curves with static radius curves, installing centerline rumble strips, and introducing curves with larger radii to flatten the superelevation. In addition to evaluating replacing the spiral curves with simple curves generally following the existing alignment, the study team evaluated two options for flattening the superelevation—a 6% and a 4% option. Although the traffic projections do not indicate a signal will be warranted at the intersection of CO 52 and WCR 12 within the forecasted period, the team recognizes that a realignment would be a major investment and therefore chose to evaluate options that did not preclude future signal installation.

The 8% superelevation alignment was not recommended following the Level 2 evaluation, the 4% alternative was carried forward, and the 6% alternative was recommended. In order to preserve the most flexibility possible, the ROW preservation line was set to accommodate all three alternatives.



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Alternative



Project Categorization

Table 5.1 | Table of Purpose & Need Measurement Ratings

Rating	Measure				
Increase Safety (Qualitative Information)					
1	Not expected to improve safety				
3	Expected to have a positive safety impact				
5	Improves safety by addressing an identified safety issue				
Improved Traffic Operations to Accommodate Increased Travel and Freight Demand (Quantitative Data)					
1	Would not improve intersection LOS or segment travel time				
2	Moderate potential to improve peak hour intersection LOS 1 letter grade				
3	Moderate potential to improve peak hour intersection LOS 2 letter grades; or improves segment travel time 5 to 15%				
4	Moderate potential to improve intersection LOS 3 letter grades				
5	High potential to improve intersection LOS 4 letter grades; or improves segment travel time >15%				
Support Multimodal Connections (Qualitative Information)					
1	Does not provide multimodal infrastructure or safety improvements				
2	Project provides minor improvements such as widening of existing shoulders that are already four feet or greater				
3	Provides shoulders of at least 4-foot width where no multimodal facilities already exist				
4	Provides on-street bicycle lanes or other dedicated improvements				
5	Provides separated bicycle/pedestrian infrastructure, such as a multiuse path				

- Project Categorization Table
- Potential Funding tab



PEL Appendices

Appendices

Appendix A: Letters of Support

Appendix B: Access Control Plan Report

Appendix C: FHWA Check-in Points

Appendix D: PEL Questionnaire

Appendix E: Existing Conditions Report

Appendix F: Technical Memos

- Logical Termini Memo
- Project Terminology Memo
- Purpose and Need Memo
- State Policy Memo
- Traffic Forecasting and Screenline Analysis
- Telework Analysis
- Origin-Destination Trip Pattern Memo
- Freight Analysis
- Traffic and Operations Memo
- Alternative Analysis Terminology memo
- Bicycle and Pedestrian Connectivity Analysis
- Technology Memo
- Funding Memo
- Travel Demand Forecasting Memo

Appendix G: Alternatives Analysis - Evaluation Matrices

Appendix H: Project Categorization Table

Appendix I: Agency Coordination and Public Engagement Report



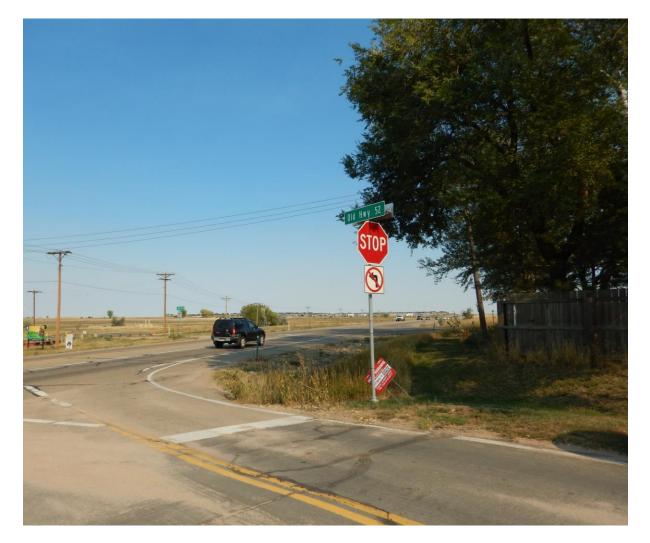
Using the Access Control Plan (ACP)

The ACP is...

- A living document
- A single transportation plan for the highway, that considers multiple access points as a network rather than as individual access points
- A plan that includes corridor-specific considerations

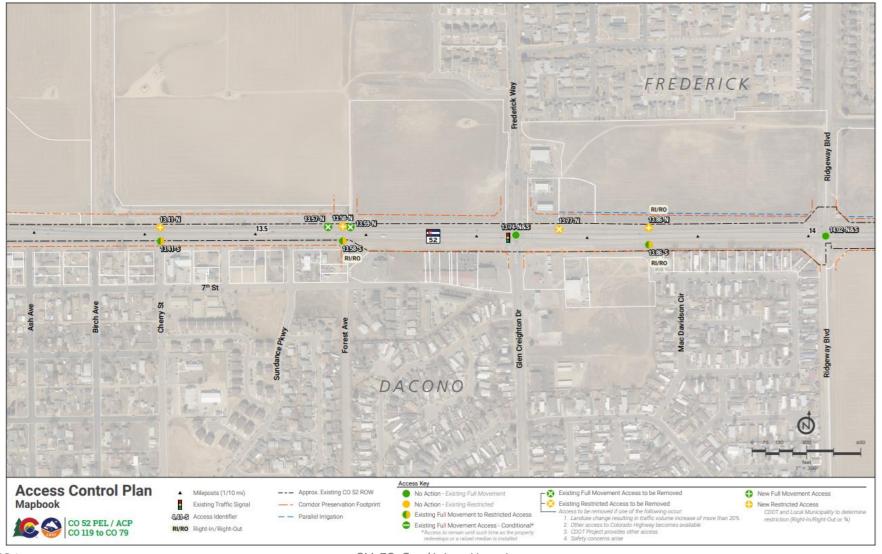
The ACP does NOT...

Define capacity improvements, off-network improvements, or funding sources for access improvements





Access Control Plan Maps





Access Control Plan Table

CO 52 Access Inventory (CO 119 to CO 79)

Access ID	Existing Condition	Future Condition	Description
0.02-N&S	Restricted Access	No Change	UP Railroad Crossing
0.17-N	-	Possible Full Movement Access	New full movement access allowed to align with 0.17-S
0.17-5	Full Movement Access	No Change	N. 71st Street
0.41-5	Full Movement Access	To Be Removed	Removed once criteria met*
0.48-N	Full Movement Access	Restricted Access	Dry Creek Parkway. Existing full movement access to be restricted
0.48-5	-	Possible Restricted Access	New restricted access allowed
0.59-S	Full Movement Access	To Be Removed	Removed once criteria met
0.82-N	Full Movement Access	No Change	Monarch Park Place
0.82-5	-	Possible Full Movement Access	New full movement access allowed to align with 0.82-N
0.94-5	Full Movement Access	To Be Removed	Removed once criteria met
0.97-5	Full Movement Access	To Be Removed	Removed once criteria met
1.1-5	Full Movement Access	To Be Removed	Removed once criteria met
1.12-5	Full Movement Access	To Be Removed	Removed once criteria met
1.2-N&5	Full Movement Access	No Change	N. 79th Street.
1.23-N	Full Movement Access	To Be Removed	Removed once criteria met
1.24-N	Full Movement Access	To Be Removed	Removed once criteria met
1.66-N	Full Movement Access	To Be Removed	Removed once criteria met
1.69-N	-	Possible Full Movement Access	New full movement access allowed to align with 1.69-S
1.69-5	Full Movement Access	No Change	
1.82-N	Full Movement Access	To Be Removed	Removed once criteria met
1.93-N	-	Possible Restricted Access	New restricted access allowed
1.93-5	Full Movement Access	Restricted Access	Existing full movement access to be restricted
2.1-5	Full Movement Access	To Be Removed	Removed once criteria met
2.17-N	Full Movement Access	No Change	Somerset Drive
2.17-5	-	Possible Full Movement Access	New full movement access allowed to align with 2.17-N
2.24-5	Full Movement Access	To Be Removed	Removed once criteria met
2.37-N	-	Possible Restricted Access	New restricted access allowed
2.37-5	Full Movement Access	Restricted Access	Existing full movement access to be restricted
2.49-5	Full Movement Access	To Be Removed	Removed once criteria met
2.65-N	Full Movement Access	No Change	Legend Ridge Trail
2.65-S	-	Possible Full Movement Access	New full movement access allowed to align with 2.65-N
2.67-5	Full Movement Access	To Be Removed	Removed once criteria met
2.86-N	-	Possible Restricted Access	New restricted access allowed



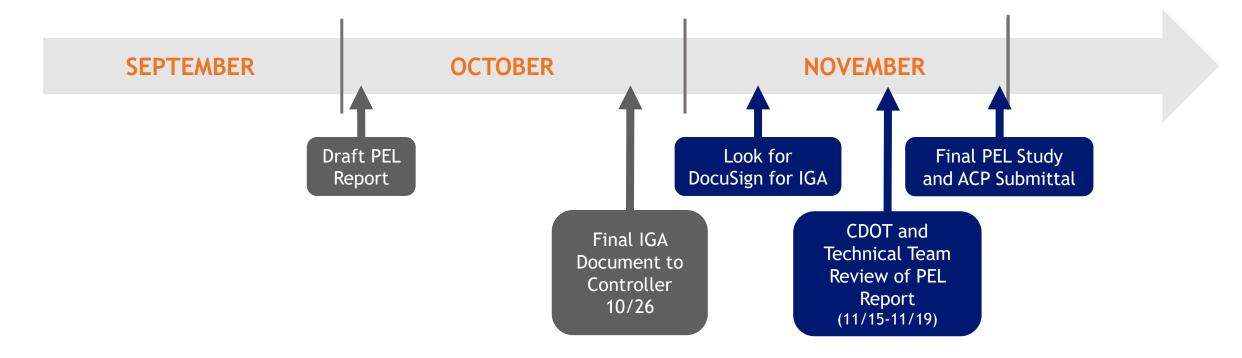


Next Steps





- The PEL was sent to TT for review on 11/16
- Project Team to compile Letters of Support and/or Resolutions
- Look for IGA signature through DocuSign





Letter of Resolution/Support

AGENCY LETTERHEAD

Agency Address Address line 2

Colorado Department of Transportation Region 4 1420 2nd Street Greeley, CO 80631

Attention: Chad Hall

August 23, 2021

Subject: Support for the CO 52 PEL Study Recommendations

Dear Mr. Hall,

[INSERT AGENCY NAME] participated in the CO 52 Planning and Environmental Linkages Study (PEL) for the area along the travel corridor stretching from CO 119 north of Boulder to SH 79 east of the Town of Hudson. Final PEL recommendations will be complete by Winter 2021. As an integral participating agency in the study, we are sending this letter of support for the study recommendations. We have regularly attended State Highway 52 Coalition, Technical Team, public outreach, and agency specific meetings; and provided consistent feedback throughout progression of the study. We are writing to endorse the following:

- The study has been a collaborative effort between FHWA, CDOT and local agencies. The PEL was
 developed with the participation of our agency and information was made available to all
 interested parties.
- 2. The purpose and need for highway improvements on CO 52 are clearly defined.
- The recommended alternatives were selected because they best meet the purpose and need and goals of the CO 52 corridor.
- A well-planned transportation system is foundational to efficient economic development of communities along the corridor.
- Corridor improvements will be phased and future projects will incorporate the identified supplemental elements such as bicycle and pedestrian facilities and technology.
- Identifying funding and continuing to partner with all agencies involved in developing the PEL will be critical in realizing the corridor vision.

We look forward to continuing communication and collaboration with you and your staff in order to implement improvements to benefit CO 52 users.

Sincerely,

AGENCY

RESOLUTION

RE: SUPPORT OF THE CO52 PLANNING AND ENVIRONMENTAL LINKAGES (PEL) STUDY AND ADOPTION OF THE CO52 ACCESS CONTROL PLAN (ACP) INTERGOVERNMENTAL AGREEMENT (IGA) AND AUTHORIZE THE CHAIR TO SIGN – VARIOUS AGENCIES

WHEREAS, the Board of County Commissioners of Weld County, Colorado, pursuant to Colorado statute and the Weld County Home Rule Charter, is vested with the authority of administering the affairs of Weld County, Colorado, and

WHEREAS, the Board has been presented with the CO52 PEL Study and CO52 ACP IGA on behalf of the Colorado Department of Transportation (CDOT), and

WHEREAS, the limits of the PEL Study and ACP IGA extend from SH119 in Boulder County to SH79, and

WHEREAS, the ACP IGA is between CDOT, Weld and Boulder Counties, the Cities of Dacono and Fort Lupton, the Towns of Erie, Frederick, Hudson and Keenesburg, and

WHEREAS, after review, the Board deems it advisable to support said CO52 PEL Study and adopt the CO52 ACP IGA, a copy of which are attached hereto and incorporated herein by reference.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Weld County, Colorado, the CO52 PEL Study and CO52 IGA of the Colorado Department of Transportation be and hereby is support and approved.

BE IT FURTHER RESOLVED by the Board that the Chair be, and hereby is, authorized to sign said Intergovernmental Agreement.





Thank You!