



120th Avenue Project Update

STUDY SESSION MEETING – Feb. 11, 2025

City Staff Representative:
Department:

Greg Labrie, Director of Public Works
Public Works

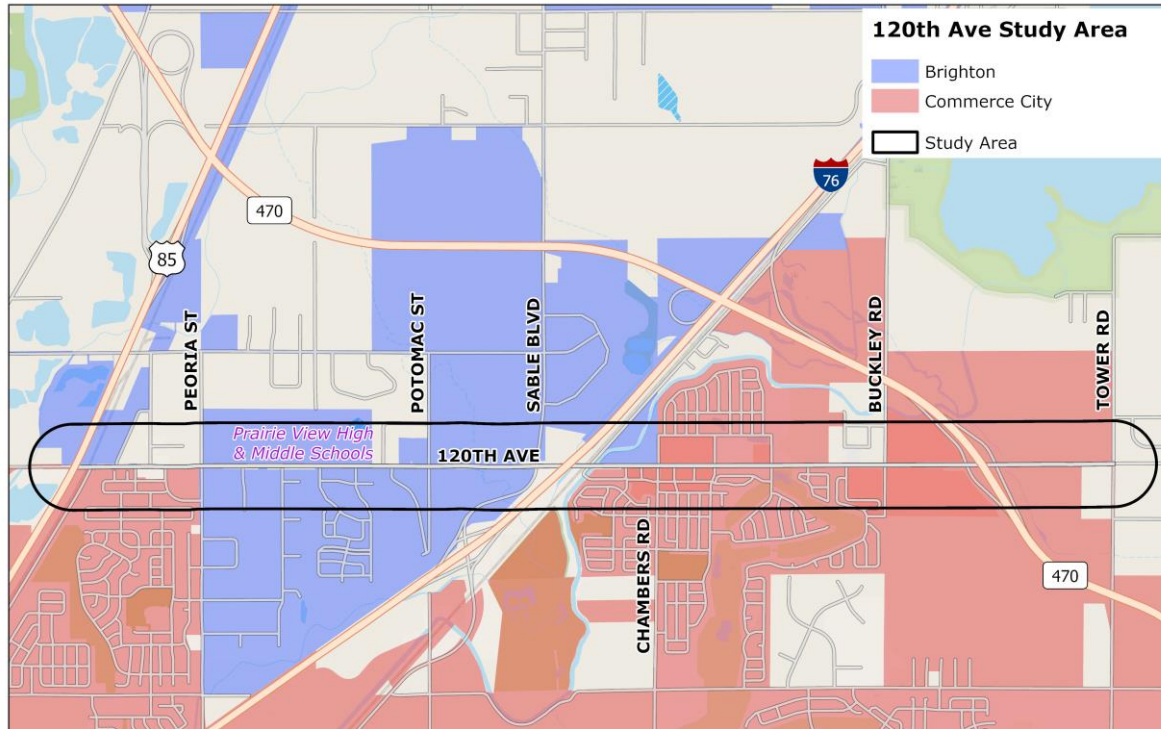
Agenda

1. Introductions
2. Project Overview
3. Stakeholder Coordination & Outreach
4. Alternatives
5. Concept Design
6. Next Steps

Project Overview

- Interagency Collaboration
- Addressing gaps, providing connections and reducing barriers
- Address all modes safely and effectively
- Right-of-way constraints
- Lacks Lighting
- Overpass does not accommodate pedestrians

Project Overview



Partners



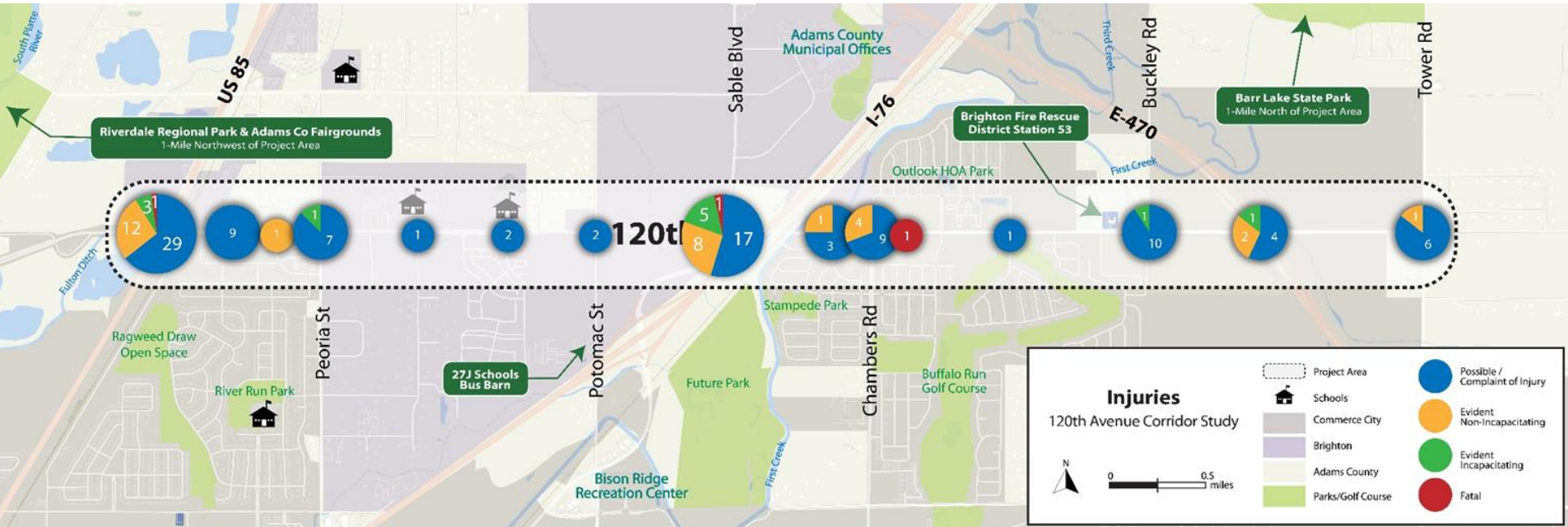
Funded through DRCOG Transportation Improvement Program FY 2022-2025

Crash Hot Spots



- Tier 1 (> 100 crashes) – US 85, Sable
- Tier 2 (30-50 crashes) – Chambers, Buckley
- Tier 3 (15-25 crashes) – Tower, E470, Peoria

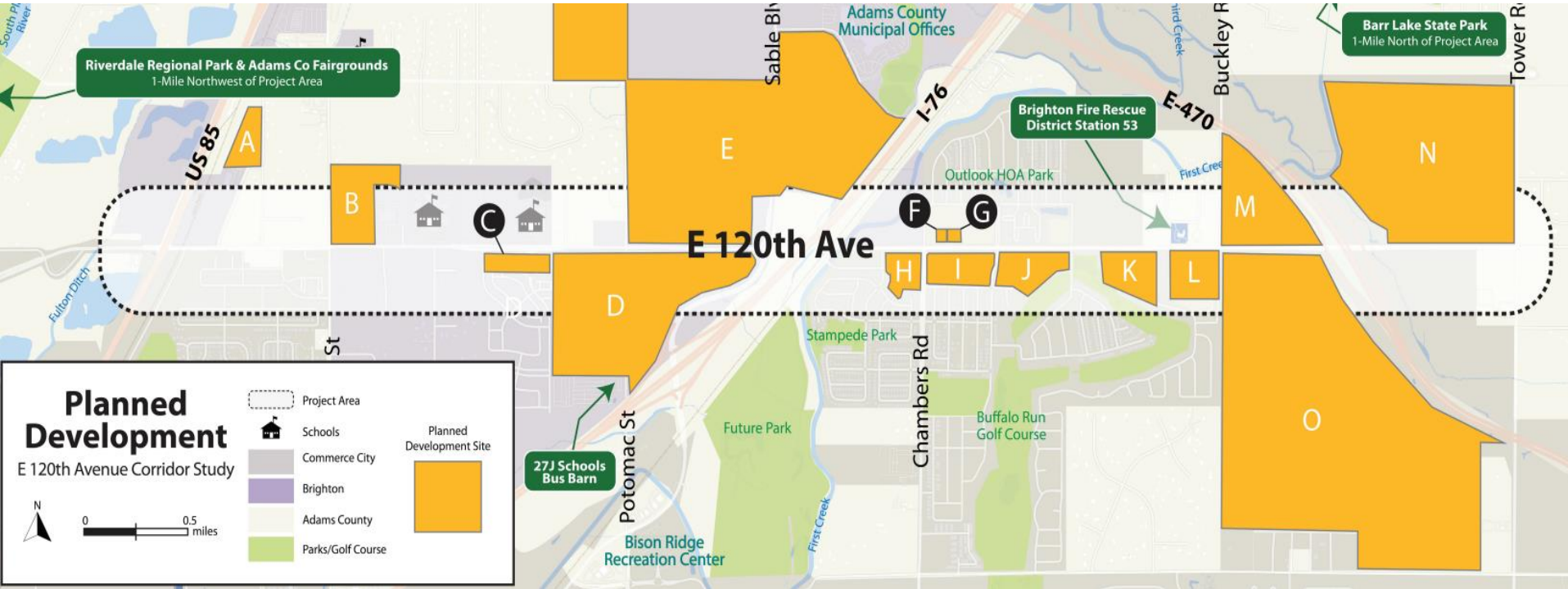
Crash Severity



3 fatal crashes


- **US 85** - Southbound vehicle drove into left turn lane to pass traffic in through lanes, hitting and killing driver of vehicle in the turn lane
- **Sable Blvd** – Southbound left turning vehicle hit and killed a northbound through motorcycle
- **East of Chambers** – Single vehicle crash, driver was under the influence, drove off side of road and collided with numerous large rocks

Planned Developments



Future ROW Widths



 140 feet

 150 feet



Stakeholder Coordination and Outreach



Stakeholder Engagement

- 5 TAC Meetings Completed
 - ✓ Adams County
 - ✓ Brighton
 - ✓ Commerce City
 - ✓ 27J Schools
 - ✓ Regional Transportation District (RTD)
 - ✓ Denver Regional Council of Governments (DRCOG)
- 2 Upcoming TAC Meetings



Public Engagement

TECHNICAL ADVISORY COMMITTEE

4 Virtual meetings

40 Members

6 Agencies

DIGITAL AND IN-PERSON OUTREACH

3,000+ Postcards mailed to nearby residents

Flyer developed in 2 languages (English & Spanish) and distributed in 6 different locations

1 Newsletter disseminated via several local channels

2 Variable message signs (VMS) placed in the community ahead of open house events

1 Dedicated project website

225 Project interest form sign-ups

Open House #3 – March 11, 2025



OPEN HOUSE #1: Existing conditions and long-term priorities



BACK-TO-SCHOOL EVENT: Priorities and improvement ideas



OPEN HOUSE #2: Preferred alternatives analysis and voting



Community Survey

METROQUEST SURVEY

Open for 43 days from March - May '24

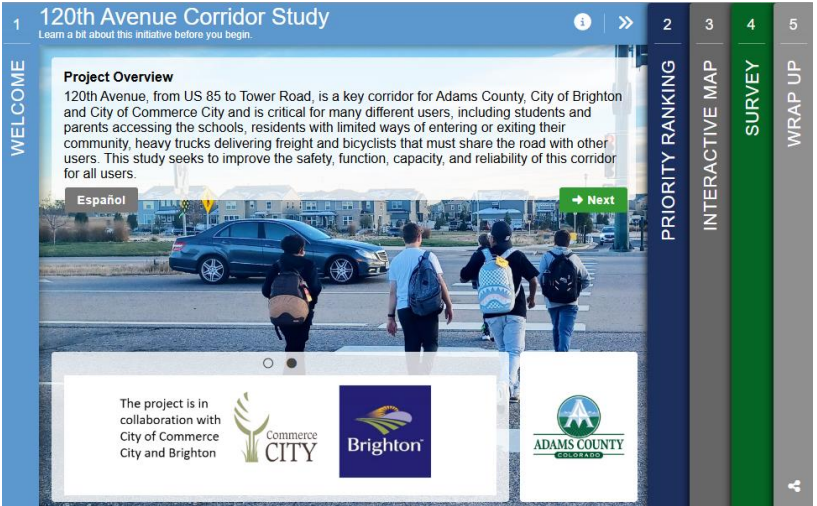
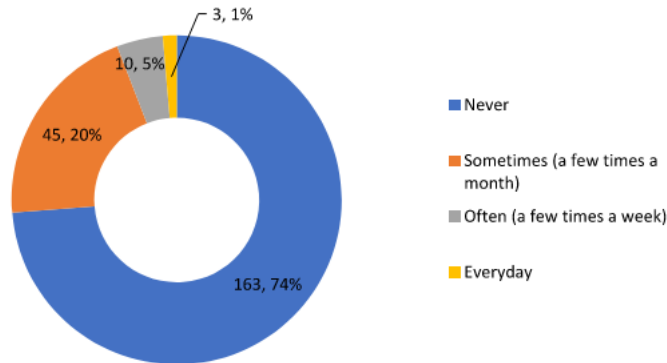
Priority ranking, interactive mapping
feedback, and improvement ideas.

309
Participants

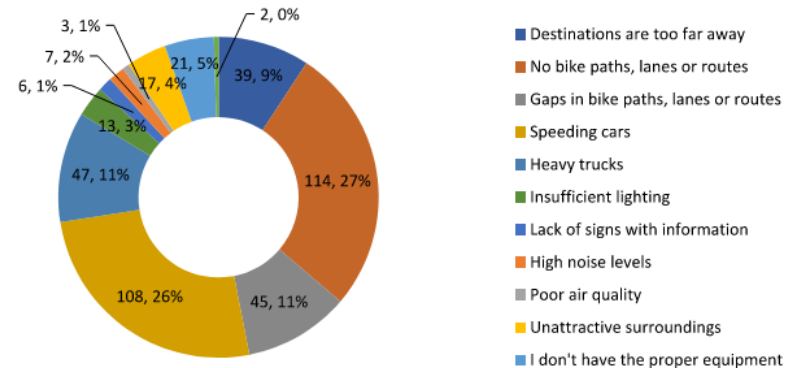
9,105
Data Points

530+
Comments

I walk to destinations on the corridor...?



What prevents you from biking on the corridor? Choose your top 3.





Alternatives

Alternative 1



3.5'	SWK	GUTTER	RIGHT TURN LANE	TRANSIT ONLY LANE	LANE	LANE	MEDIAN	LEFT TURN LANE	LEFT TURN LANE	LANE	LANE	TRANSIT ONLY LANE	RIGHT TURN LANE	GUTTER	SHARED USE PATH	3.5'
			10'	12'	12'	12'	1' 5' 1'	12'	12'	12'	12'	12'	10'		10'	

Transit lane convertible to general purpose when needed

Transit lane convertible to general purpose when needed

Alternative 2



	SHARED USE PATH	BUFFER	GUTTER	BIKE LANE		LANE	LANE	MEDIAN	LEFT TURN LANE	LEFT TURN LANE	LANE	LANE	BIKE LANE	RIGHT TURN LANE	GUTTER	BUFFER	SHARED USE PATH					
	2.5'	12'	7'	2'	6'	4'	11'	11'	1'	5'	1'	11'	11'	11'	11'	4'	6'	10'	2'	7'	12'	2.5'

Alternative 3




	SHARED USE PATH	GUTTER	BIKE LANE	TRANSIT ONLY LANE	LANE	LANE	MEDIAN	LEFT TURN LANE	LEFT TURN LANE	LANE	LANE	TRANSIT ONLY LANE	BIKE LANE	GUTTER	SHARED USE PATH			
4.5'	10'	2'	6'	4'	12'	11'	11'	5'	11'	11'	11'	11'	12'	4'	6'	2'	10'	4.5'

Alternatives

	Alternative #1	Alternative #2	Alternative #3
Criteria Category	Score	Score	Score
Travel Time <i>(Motorized)</i>	3	2	2
Multimodal Safety	2	3	1
Bicyclist / Pedestrian Experience	1	2	3
Right of Way Impacts	1	1	1
Air Quality	1	2	3
Enviornmental Impacts <i>(Historical, Biological)</i>	1	1	1
Funding Competitiveness	1	2	3
Sustainability <i>(Envision)</i>	1	2	3
Public Support <i>(Based on Metro Quest Results and Input @ Public Meeting)</i>	3	2	2
Cost Estimates	2	1	3
	Total Alternative #1	Total Alternative #2	Total Alternative #3
	16	18	22

Public Feedback





SHOULDER	BIKE	TRANSIT	TRANSIT	LANE	LANE	BIWAY	LEFT	LEFT	TRANSIT	BIWAY	SHOULDER
USE PATH	LANE	ONLY LANE	ONLY LANE	LANE	LANE		TURN LANE	TURN LANE	ONLY LANE	TURN LANE	USE PATH
12	7	12	12	12	12	0	12	12	12	12	12

Transit lanes convertible to general purpose when needed.

Alternative 1



36%

SHOULDER	BIKE	TRANSIT	TRANSIT	LANE	LANE	BIWAY	LEFT	LEFT	TRANSIT	BIWAY	SHOULDER
USE PATH	LANE	ONLY LANE	ONLY LANE	LANE	LANE		TURN LANE	TURN LANE	ONLY LANE	TURN LANE	USE PATH
12	7	12	12	12	12	0	12	12	12	12	12

Alternative 2


43%

SHOULDER	BIKE	TRANSIT	TRANSIT	LANE	LANE	BIWAY	LEFT	LEFT	TRANSIT	BIWAY	SHOULDER
USE PATH	LANE	ONLY LANE	ONLY LANE	LANE	LANE		TURN LANE	TURN LANE	ONLY LANE	TURN LANE	USE PATH
12	7	12	12	12	12	0	12	12	12	12	12

Alternative 3

21%



TAC Feedback

- Suggest raising bike lane to sidewalk height
- Would like a buffer between sidewalk and vehicle lanes
- Would prefer a minimum 10-foot-wide multiuse path
- School buses could use the transit lane
- Prefer native landscaping (waterwise) & fewer trees

Preferred Alternative



SHARED USE PATH	CYCLE TRACK	GUTTER	SHARED TRANSIT RIGHT-TURN LANE	LANE	LANE	MEDIAN	LEFT TURN LANE	LEFT TURN LANE	LANE	LANE	SHARED TRANSIT RIGHT-TURN LANE	GUTTER	CYCLE TRACK	SHARED USE PATH			
3'	8'	4'	2.5'	11'	11'	11'	1.5'	4'	1.5'	11'	11'	11'	2.5'	4'	10'	8'	3'



Concept Design

Element Examples

Raised Intersections



Element Examples

Raised Crosswalks



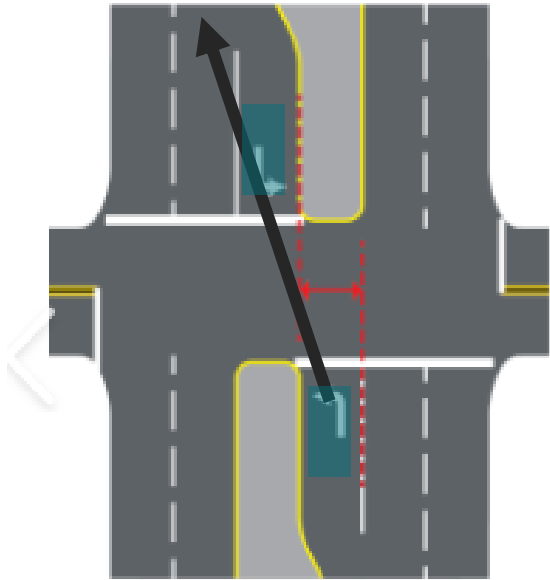
Element Examples

Protected Intersection

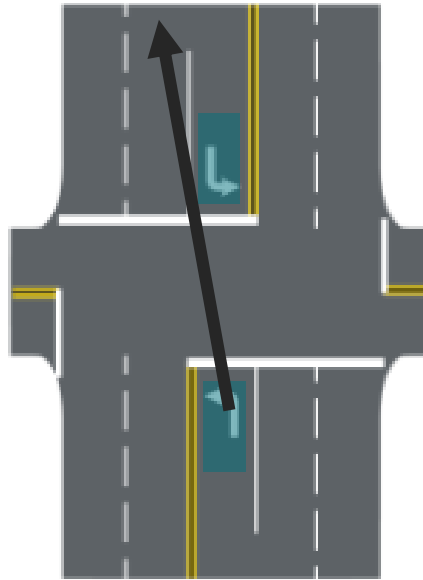


Element Examples

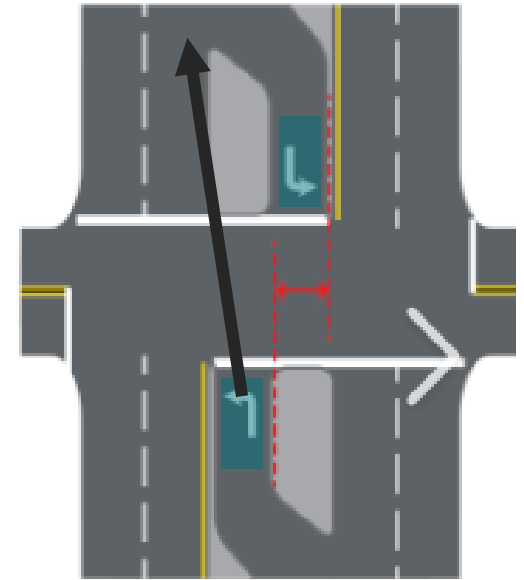
Positive Left Turn Offsets



Negative Offset



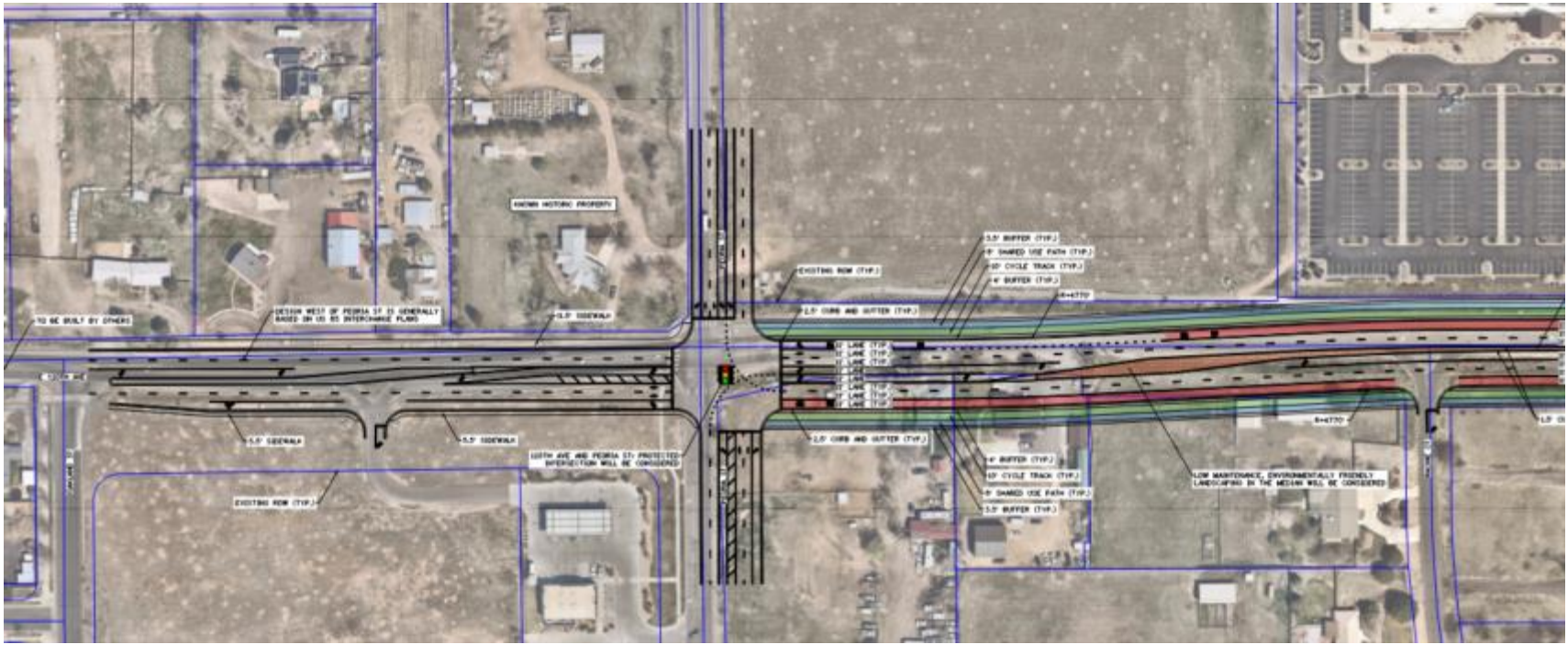
Zero Offset

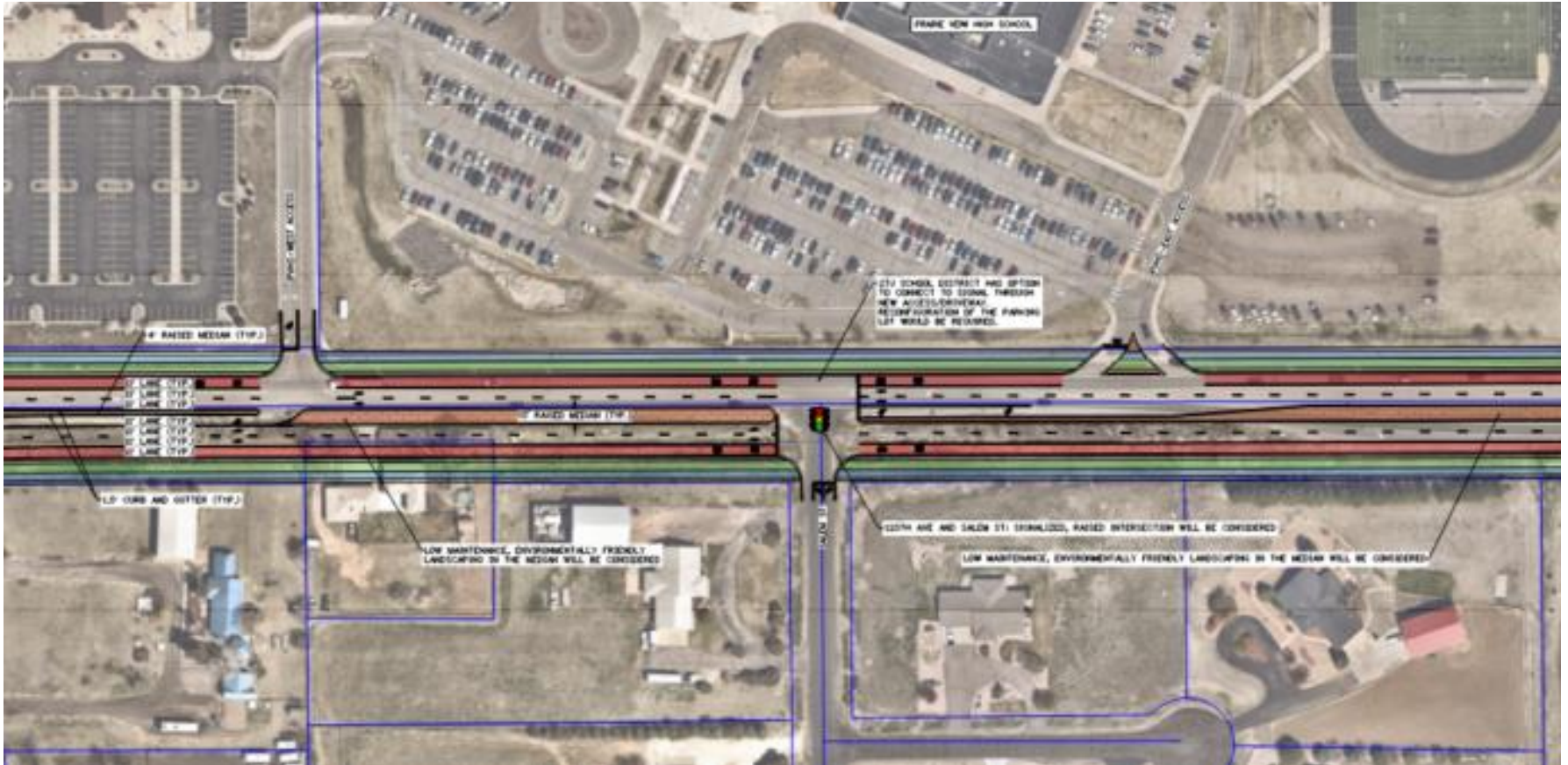


Positive Offset

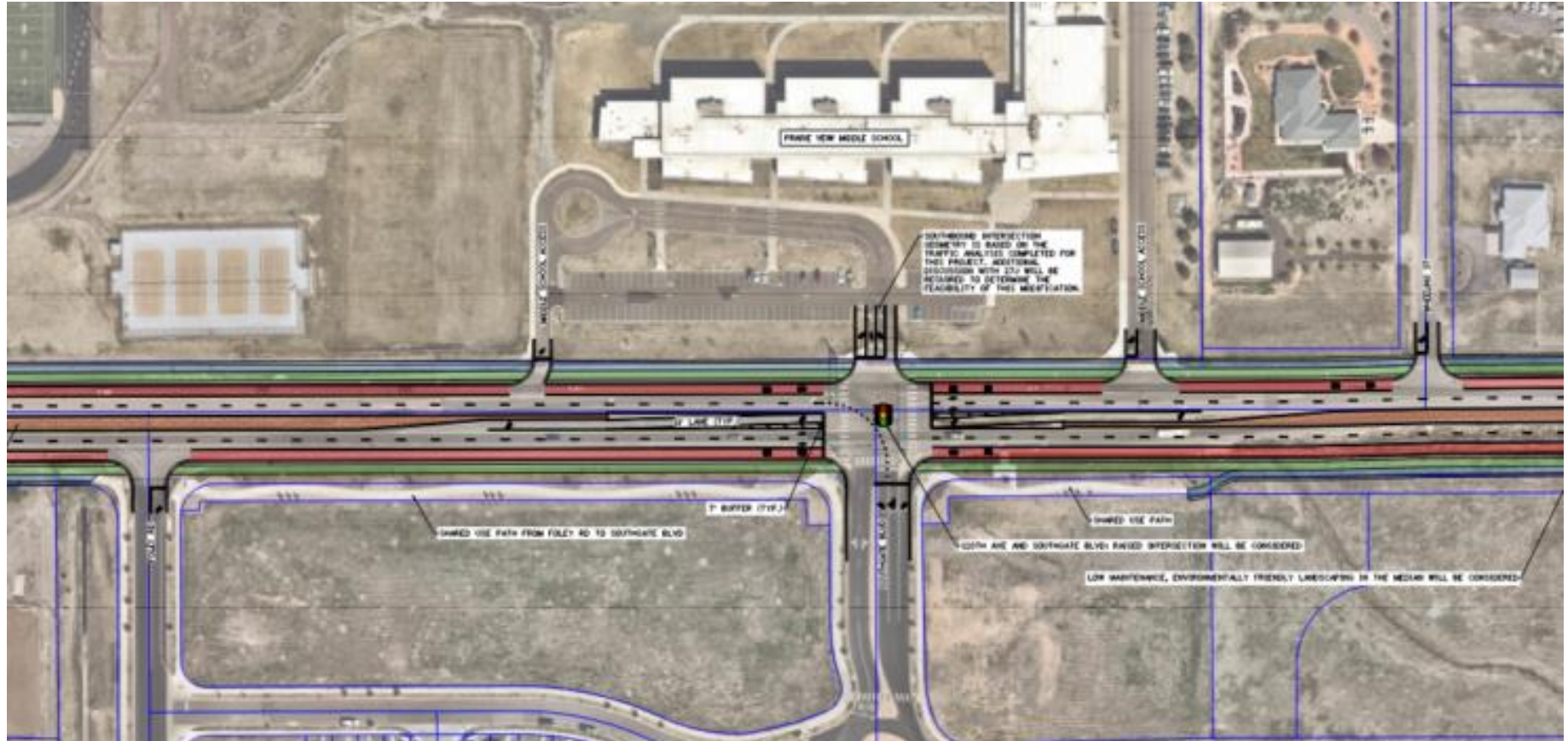


120th Avenue/Peoria Street





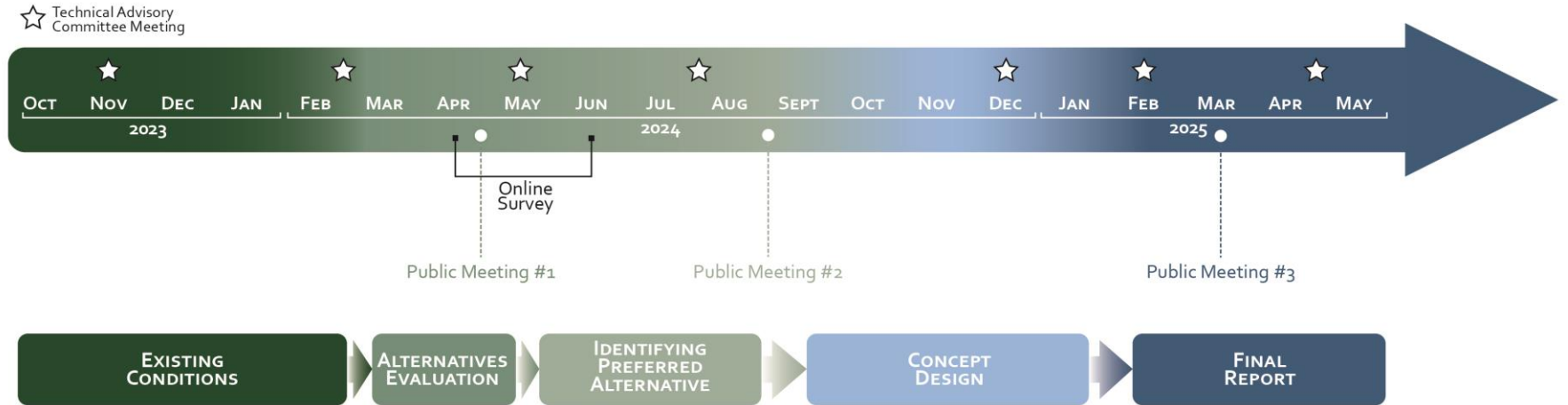
Prairie View Middle School





Next Steps

Next Steps



Funding

Design/Construction Funding

- **Local:** Capital Improvement Programs for Brighton, Commerce City, Adams County
- **Regional:** DRCOG Transportation Improvement Program (TIP) – call for projects early 2026
- **State:** CDOT Transportation Alternatives Program (TAP) – call for projects early 2026
- **Federal:** Rebuilding American Infrastructure with Sustainability and Equity (RAISE) – submitted Jan. 30, 2025; Highway Safety Improvement Program (HSIP) – underway



Questions?