



Parker Road Corridor Improvements Recommendations

DRCOG Board

February 19, 2025

Project Overview



www.arapahoegov.com/parkercorridor

Project Corridor

- Approximately six miles along Parker Road, between Mississippi and Hampden Avenues
- Colorado State Highway 83 (CO 83)
- Through and adjacent to:
 - ✦ Unincorporated Arapahoe County
 - ✦ City of Aurora
 - ✦ City and County of Denver
- Project funding (DRCOG TIP):
 - ✦ Federal
 - ✦ Arapahoe County
 - ✦ City of Aurora



Need for Improvements

Transportation improvements are needed to address:

- Safety

- ✦ Vehicular and multimodal (crashes and safety concerns)

- Multimodal Connectivity

- ✦ Pedestrian, bicyclist, and transit (focusing on key areas for community resources and enhanced connections)

- Multimodal Travel Experience

- ✦ Feelings of comfort and safety, plus convenience

Project Goals

The goals of the recommended transportation projects are to:

- Minimize environmental impacts as practicable
- **Maintain or improve vehicular traffic operations**
- Proactively support adjacent development patterns
- **Serve regional mobility and local accessibility for all modes**
- Support local and regional planning efforts
- Utilize technology advances supporting a highly functional multimodal corridor
- **Incorporate feedback received through public outreach**
- Preserve economic viability of the corridor by minimizing impacts to businesses

Public and Agency Engagement

General Public Input

- Virtual town hall April 2023
- In-person open house and interactive online experience June/July 2024

Community Focus Group

- 2 meetings held during alternatives development and evaluation

Agency Coordination

- Arapahoe County, CDOT, City of Aurora, City and County of Denver, RTD, DRCOG
- 4 Policy Advisory Committee meetings
- 7 Technical Advisory Committee meetings



Alternatives Development & Evaluation Process



Alternatives Evaluation Process

Reasonable and Feasible Concepts

LEVEL 1 SCREENING
(Evaluate improvement concepts versus Corridor Vision and the Purpose and Need qualitatively with available data)

Level of detail and analysis gets more refined through the process

Location-Specific Options

LEVEL 2 EVALUATION
(Evaluate benefits and consequences of options with criteria based on the Corridor Vision and the Purpose and Need)

Menu of Projects by Area/ Location

RECOMMENDATIONS

PROJECT DEFINITION AND COSTS

We Are Here

PHASING AND PRIORITIZATION
(Implementation Plan)

Alternatives Evaluation

■ Level 1 Concepts

- ✦ 16 categories of high-level improvement concepts considered

■ Level 2 Options

- ✦ 50 improvement options

■ Recommendations

- ✦ 36 options Recommended
- ✦ 3 options Needing Further Study
- ✦ 11 options Not Recommended

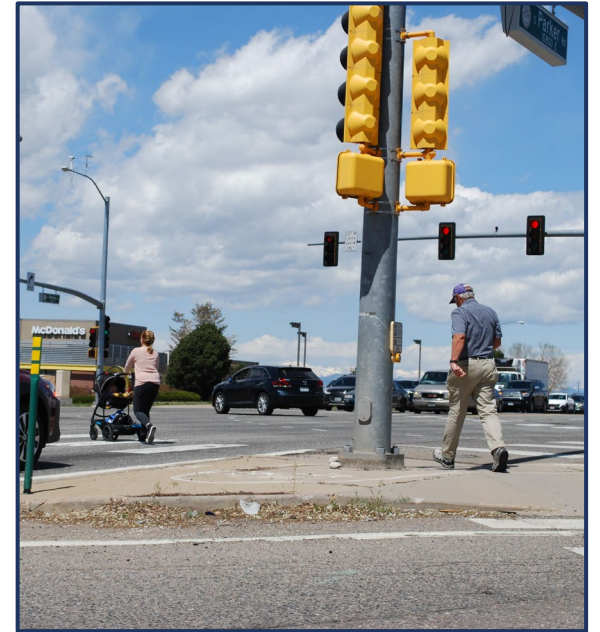
Bus Rapid Transit (BRT)

Parker Road (CO 83) identified as a BRT corridor by multiple agencies (RTD, City and County of Denver, DRCOG)

- Future BRT along Speer/Leetsdale/Parker Road
 - ✦ Downtown Denver (Civic Center Station) to Nine Mile Station
- A future BRT study will identify:
 - ✦ Operation of BRT
 - ✦ Stations
 - ✦ Costs and Next Steps



Project Development



Project Prioritization & Timeframe

- Recommended options were combined into 16 potential projects
- Projects assigned an overall priority (Higher, Medium, Less)
 - ✦ Purpose and Need and Goals
 - ✦ Timing and Effectiveness
- Potential timeframe for construction/implementation
 - ✦ Focused on ease of implementation and cost

Potential Funding Sources

Example funding sources:

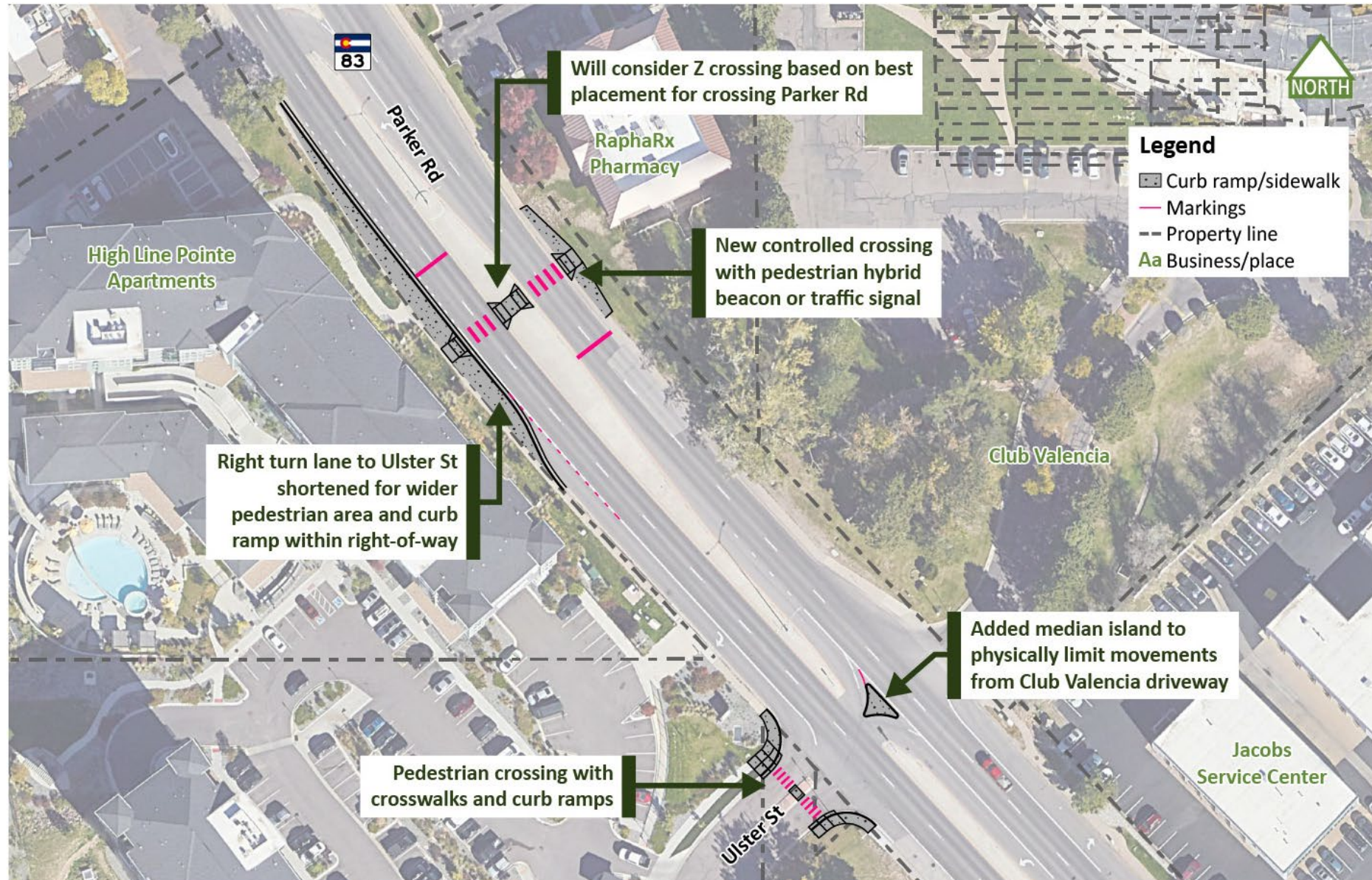
- **Multimodal:** DRCOG TIP, USDOT Multimodal Project Discretionary, CDOT TAP
- **Safety:** CDOT HSIP, CDOT FASTER Safety, CDOT Safer Main Streets, Safe Routes to School
- **Arapahoe County Open Spaces:** Grant and Shareback Programs
- **Operations:** DRCOG TIP, CDOT Bottleneck Reduction, CMAQ
- **Community:** CDOT Revitalizing Main Streets, DRCOG Innovative Mobility, DRCOG Livable Centers
- **Developer-funded**
- **Climate:** CDOT Innovative Mobility
- **Technology:** CDOT Innovative Mobility, Charge Ahead Colorado

Higher Priority Projects



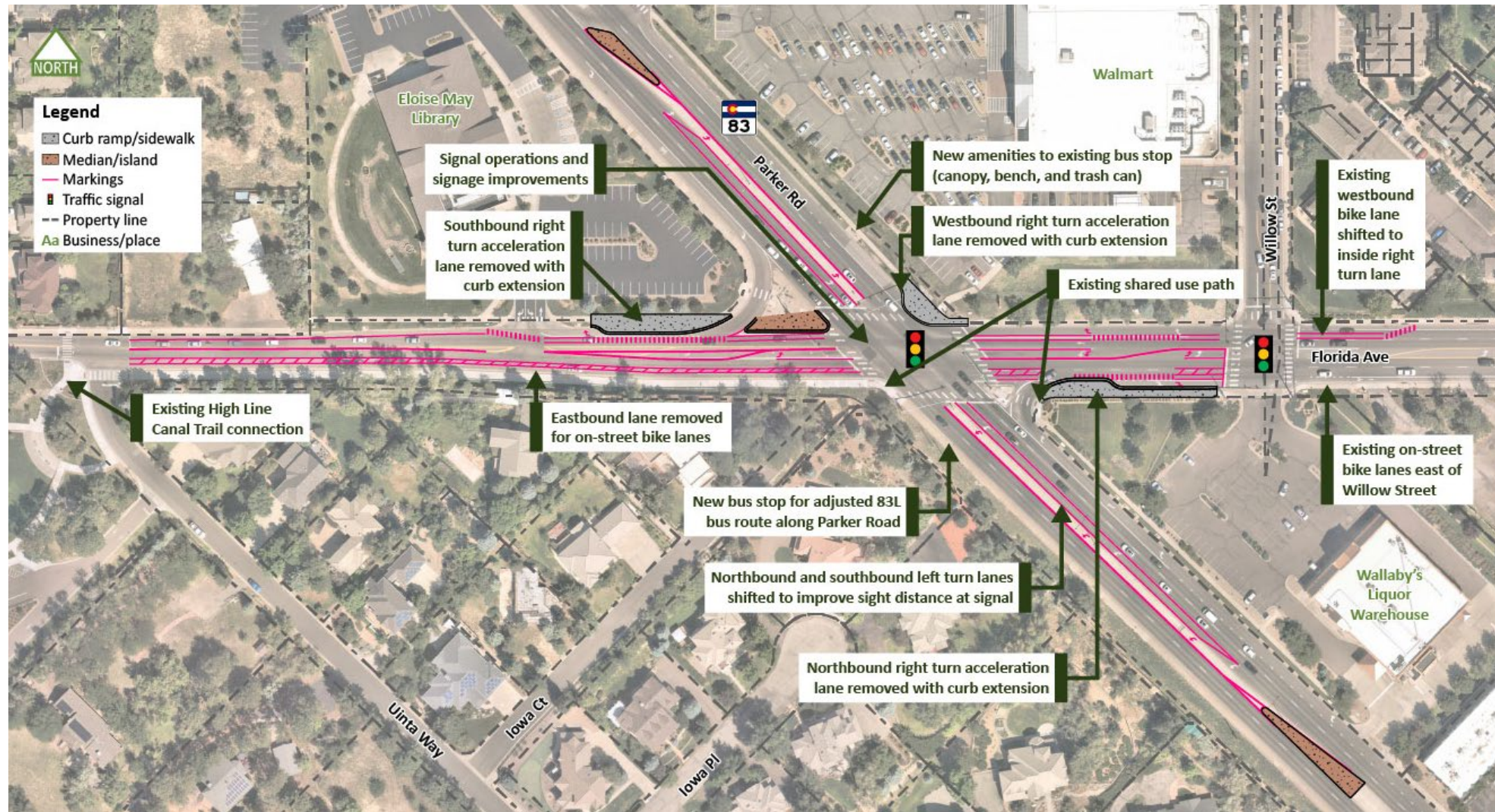
Ulster Pedestrian Improvements

- Types of Funding:
Multimodal, Safety
- Potential
Timeframe:
Short-term



Florida Improvements

- Types of Funding: Multimodal, Safety, Community
- Potential Timeframe: Short-term
- Further analysis/design within current contract



Mexico Controlled Pedestrian Crossing

- Types of Funding:
Multimodal, Safety,
Open Spaces
- Potential
Timeframe:
Short-term
- Advancing concept
within current
contract
 - Pedestrian hybrid
beacon or
pedestrian traffic
signal



Jewell Controlled Pedestrian Crossing

- Types of Funding:
Multimodal, Safety
- Potential
Timeframe:
Short-term



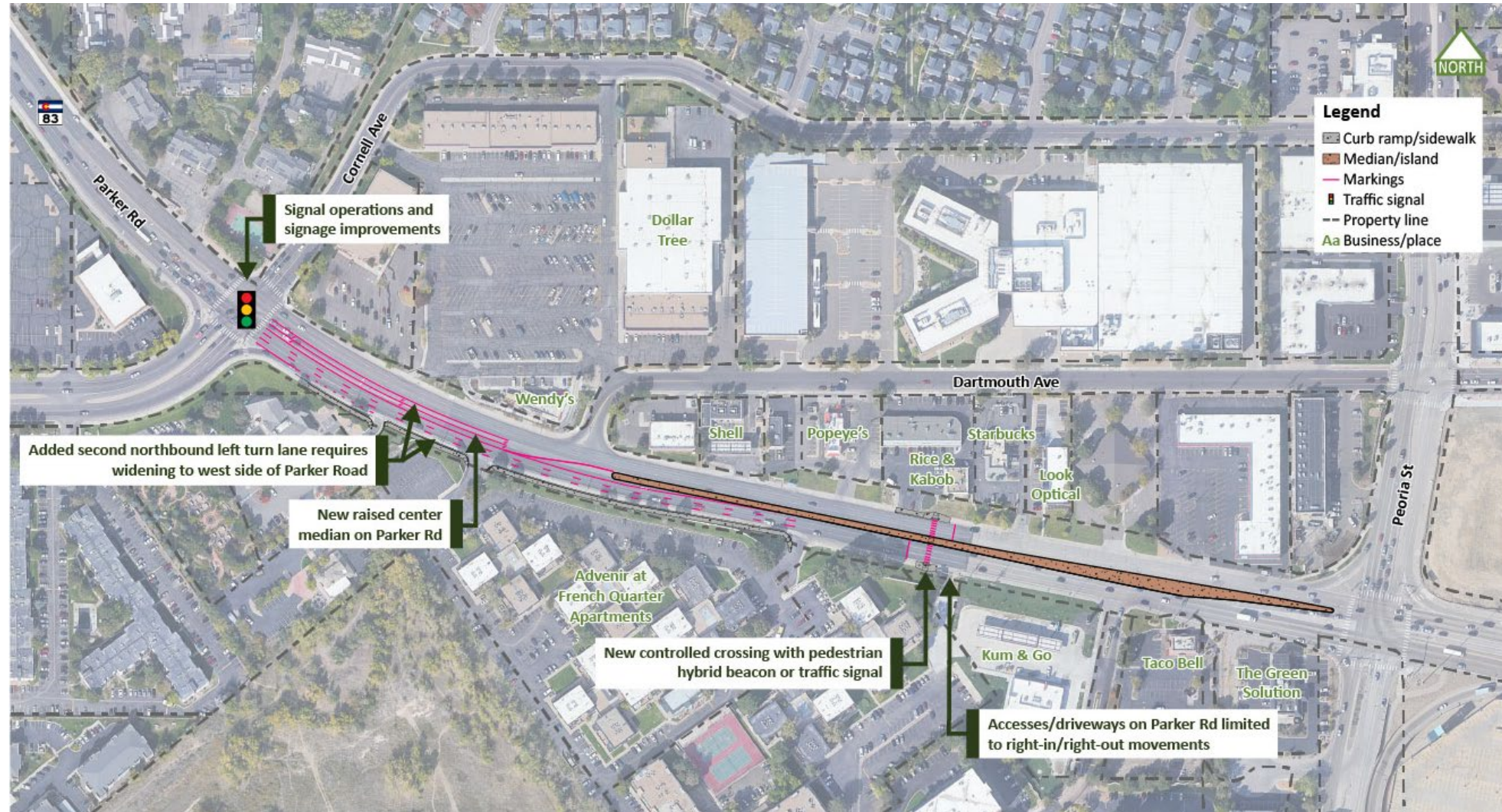
Havana through Yale

- Types of Funding:
Multimodal, Safety
- Potential
Timeframe:
Mid-term



Dartmouth/Cornell to Peoria Improvements

- Types of Funding:
Multimodal,
Safety,
Operations
- Potential Timeframe:
Mid-term



Medium Priority Projects



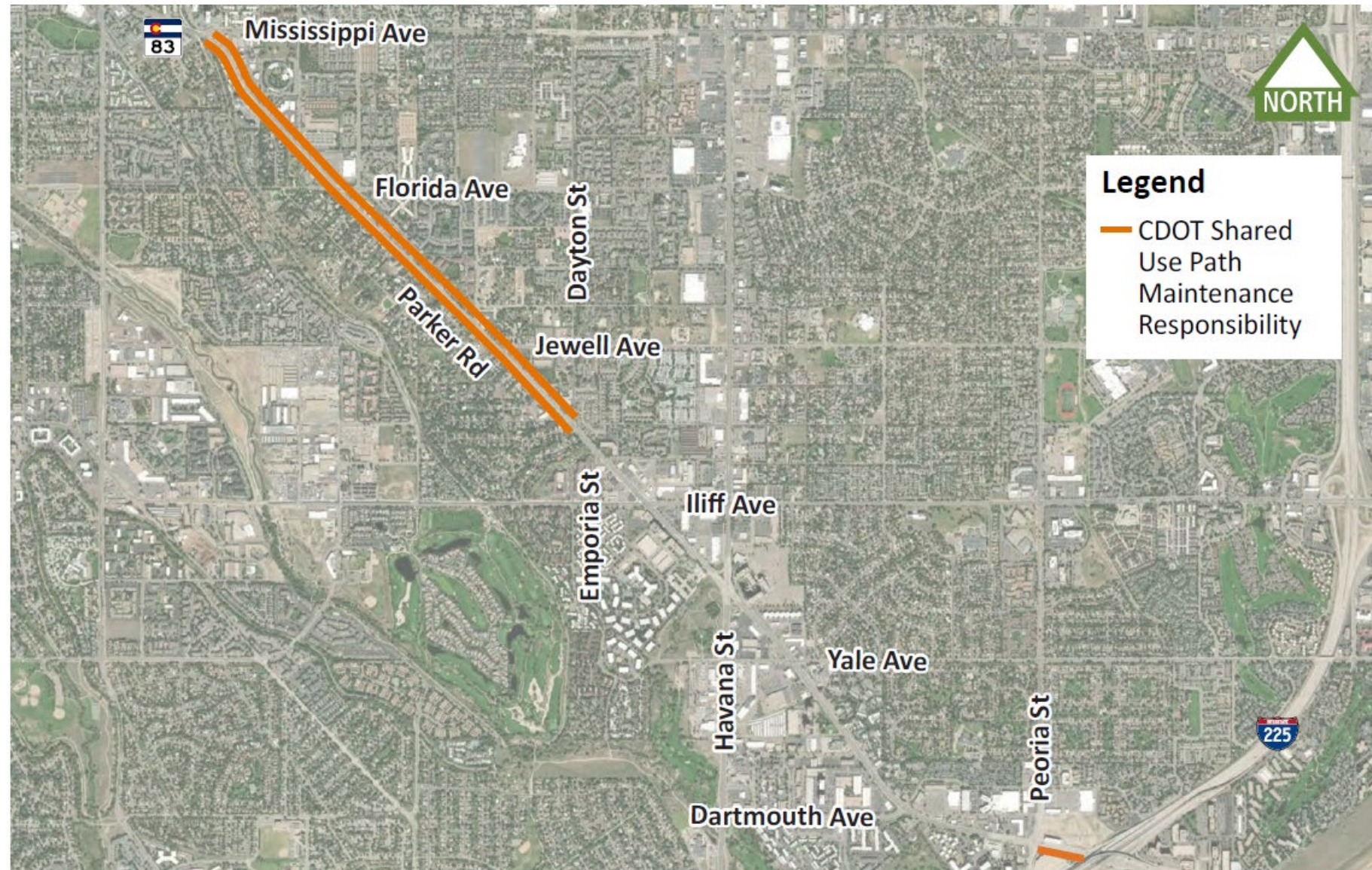
Shared Use Path – Mississippi to Peoria

- Types of Funding:
Multimodal,
Development, Open
Spaces
- Potential
Timeframe:
Short/Mid-term
- Further concept
layout within
current contract



Shared Use Path – Maintenance

- Per Revised Statute, CDOT responsible for maintenance within state highway right-of-way in counties
- CDOT should be responsible for maintenance of shared use path in unincorporated Arapahoe County
 - Will need IGA prior to project construction



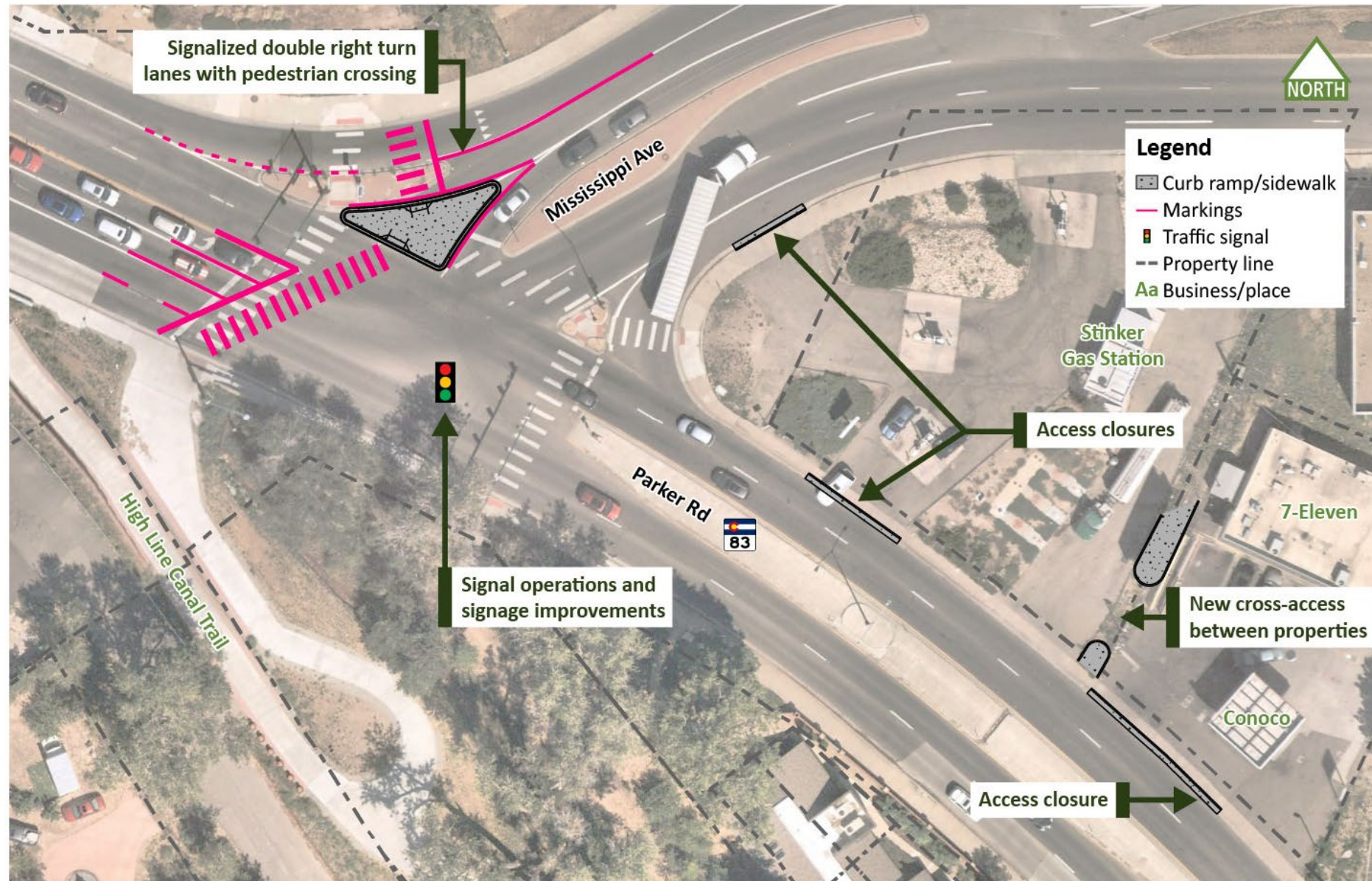
Transit Improvements

- Types of Funding:
Multimodal
- Potential
Timeframe:
Short-term



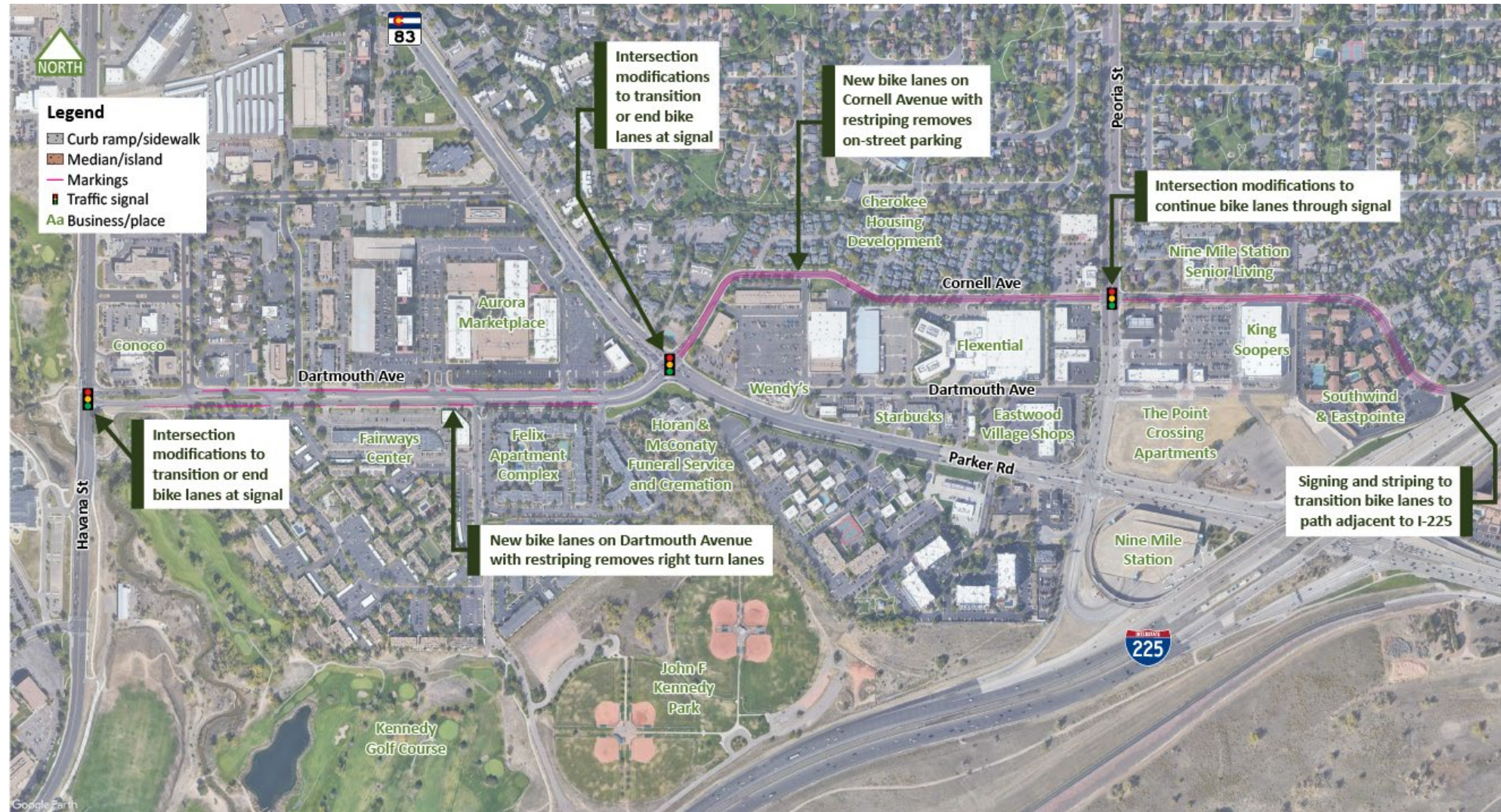
Mississippi Intersection Improvements

- Types of Funding: Multimodal, Operations
- Potential Timeframe: Short-term



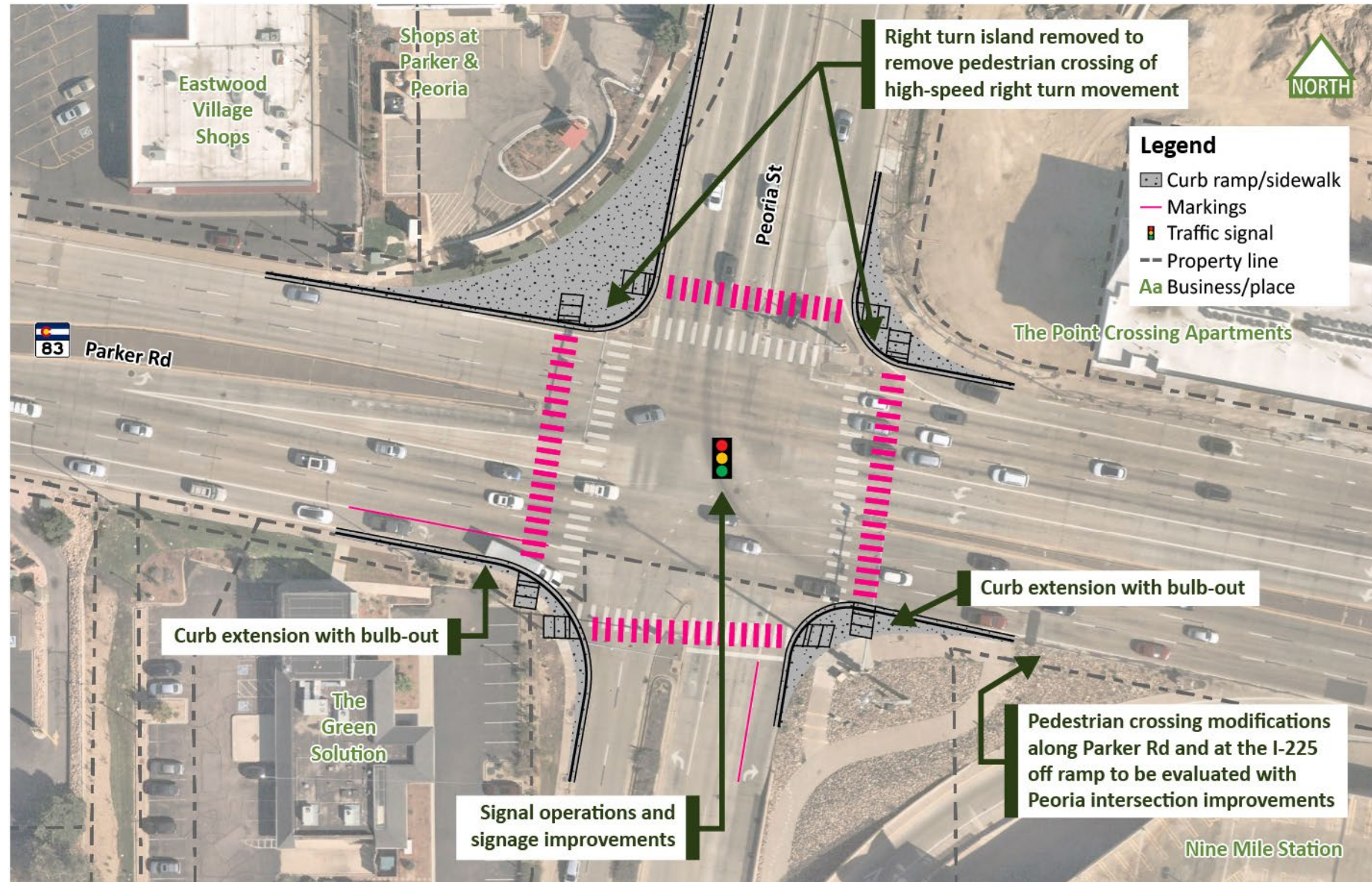
Dartmouth and Cornell Bike Lanes

- Types of Funding: Multimodal, Community
- Potential Timeframe: Short-term



Peoria Intersection Improvements

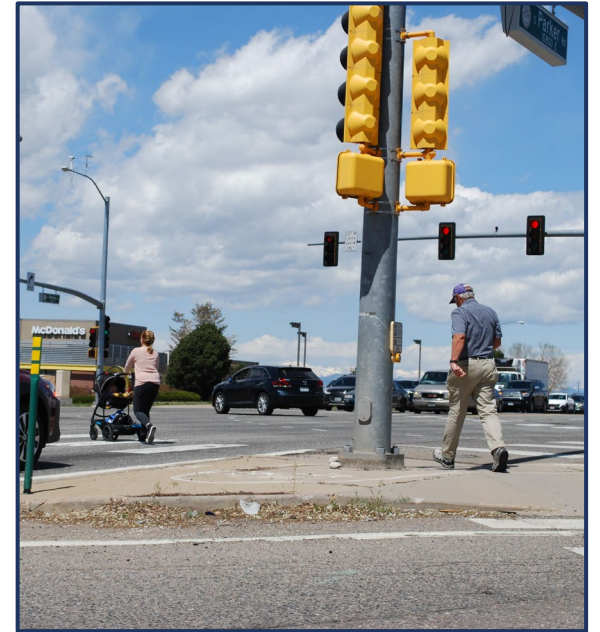
- Types of Funding: Multimodal, Safety, Operations
- Potential Timeframe: Mid-term
- Further analysis/design within current contract



Less Priority Projects

- These are not low priority, only lesser priority than the other projects, comparatively
- Dayton to Iliff Improvements (Long-term)
 - ✦ Intersection corner modifications, added left turn lane, signal improvements, raised median
- Northbound I-225 On Ramp Improvements (Long-term)
 - ✦ Added ramp lane to ramp meter, crossing improvements
- Hampden Off Ramp Pedestrian Improvements (Mid-term)
 - ✦ Crossing improvements
- Dam and Vaughn Pedestrian Improvements (Short-term)
 - ✦ Intersection corner modifications
- Corridor EV Charging Stations (Mid-term)
 - ✦ Four locations: Florida, Havana, Dartmouth, Nine Mile Station

Next Steps



Upcoming Steps

- Document priorities and timeframes in implementation plan
- Project report to be posted on public-facing web page
- Complete stakeholder presentations
 - ✦ Arapahoe County Board of County Commissioners
 - ✦ DRCOG TAC, RTC, and Board
 - ✦ Aurora Transportation, Airports & Public Works Policy Committee
- Advancing analysis/conceptual design of select projects