



HANCOCK EXPRESSWAY/ACADEMY BOULEVARD
Planning and Environmental Linkages, Study and Design

Hancock / Academy PEL Stakeholder Meeting

Hancock/Academy Planning & Environmental Linkages
Study (PEL)
August 27, 2015

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Meeting Overview

- Introductions
- Project Background
- Development and Evaluation of Alternatives
- Question and Answer
- Open House Follow Up

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Purpose and Need

- Safety
 - Higher than average crash rates when compared to similar roadways
- Mobility and Congestion
 - Long range traffic projections show congestion at the Hancock / Academy intersection in the peak hours

Study Area Crash Rate Comparison to Statewide Averages

Legend:
 PDO - Property Damage Only
 IBI - Injury Crashes
 FAT - Fatal Crashes

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Purpose and Need

- Vehicular Access
 - Access to Academy much less than most of the study area corridor
- Multimodal accessibility and connectivity
 - Deficient pedestrian facilities and lack of multimodal accessibility

Legend:
 Traffic Signal
 Side Street Stop Control
 Vehicle Access Flowway

Lack of vehicle access compared to other Academy Blvd. segments

Lack of vehicle access compared to other Academy Blvd. segments

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Existing Conditions Report

- **Topics**
 - Traffic
 - Socioeconomics/Environmental Justice
 - Land Use
 - Floodplains and Water Quality
 - Utilities
 - Wetlands
 - Noise
 - Wildlife / threatened & endangered Species
 - Cultural resources
 - Hazardous materials
 - Parks and recreation
- **Agency Coordination for Environmental Resources**
 - Colorado Department of Transportation
 - Federal Highways Administration
 - Colorado Department of Public Health and Environment
 - Colorado State Historic Preservation Officer
 - Colorado Parks and Wildlife
 - U S Army Corps of Engineers
 - US Fish and Wildlife Service
 - Environmental Protection Agency

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Alternatives Development

5 Intersection Types Evaluated

1 Existing, 2 Split, 3 Shift West, 4 Shift East, 5 Quadrant

1 Existing, 2 Split

1a, 1b, 1c, 2a, 2b

1b+c Recommended Alternative

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Alternatives Development

- Five Intersection Alignments
- Not Retained:
 - Shift east
 - Phasing of improvements
 - Utility impacts
 - Shift west
 - Leaves unusable parcel on east side due to utility easement restrictions
 - Phasing of improvements
 - Quadrant
 - Driver confusion
 - Graphic needs updating to show types not retained

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Alternative Development

- Retained Two Intersection Types

- Existing Alignment
 - Phasing
 - Best opportunity to improve access
 - Does not favor one side

- Split Alignment
 - Intersection capacity
 - Pedestrian accessibility
 - Opportunity for gateway feature

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Alternative Development

- Retained Intersection Types
 - Existing alignment
 - Split alignment
- Access
 - Five Access Options
 - Three Existing Alignment
 - Two on Split Alignment

5 Intersection Types Evaluated

1b+c Recommended Alternative

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Access Options Evaluated

5 Intersection Types Evaluated

1b+c Recommended Alternative

Existing Alignment

1a Restricted Access North & South

1b Restricted Access North & New Signalized South

1c New Signalized North & South

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Access Options Evaluated

Split Alignment

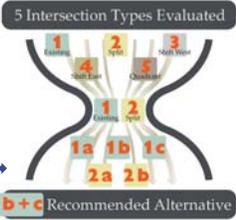


2a Restricted Access
North & South



2b Restricted Access North
& New Signalized South

5 Intersection Types Evaluated



1b+c Recommended Alternative

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Evaluation Criteria

- Purpose and Need
 - Access
 - Operations
 - Multimodal
 - Safety
- Project Goals
 - Connectivity
 - Right of Way
 - Utility conflicts
 - Environmental impacts
 - Economic development
- Evaluation
 - Ranked relative to each other
 - Meet or did not meet criteria

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Evaluation Matrix

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Evaluation Results

- Not Recommended Alternatives
 - Existing Alignment 1A
 - Limited mobility and access to adjacent parcels
 - Less opportunity for transit enhancements
 - Split 2A
 - Limited access to adjacent parcels
 - Did not meet project goals
 - Connectivity
 - Disposition of city right of way
 - Impacts to utilities
 - Split 2B
 - Similar reasons as 2A
 - Did not meet purpose and need for the project with regards to safety

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Recommended Alternative

- Combination of Existing Alignment Options 1B and 1C
- Good operations
- Access opportunities for adjacent parcels
- Maximized multimodal opportunities
- Meet Project Goals
 - Community Connectivity
 - Right of way disposition
 - No impacts to existing overhead utilities
 - Projects of independent utility

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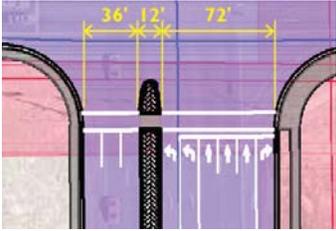
Recommended Alternative

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Recommended Alternative

- Intersection
 - 6 Lanes on Academy
 - Right turn lanes
- Wide Median
 - Pedestrian Refuge Areas



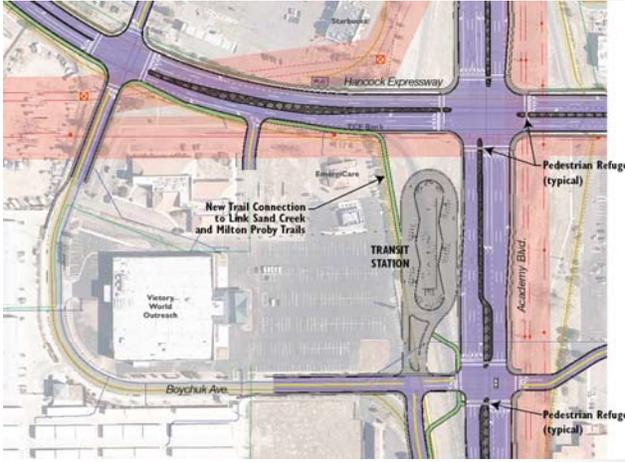

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Recommended Alternative

- Multimodal
 - New Sidewalk connections
 - Sand Creek to Milton Proby Trail connection
 - Transit station in southwest corner



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Livability - Transit

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Livability - Utility Undergrounding

- 115 kV H-frame line
- Distribution Line
- 230kV on mono-poles
- 115kV double circuit on lattice towers

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Livability – Corridor Enhancement

1. EXISTING CONDITIONS



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2. EXISTING INFRASTRUCTURE



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Livability – Corridor Enhancement

3. PROPOSED ROADWAY IMPROVEMENTS



The map displays an aerial view of an urban area with several roads highlighted. A red line runs north-south through the center, and a purple line runs east-west across the middle. A legend in the top-left corner identifies the red line as 'Infrastructure' and the purple line as 'Transportation'. Other labels on the map include 'Victory Woods Outreach' and 'Deerfield Park'. A scale bar for 500 feet and a north arrow are located in the bottom-left corner.

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4. ACCESS TO DEVELOPMENT



This map uses the same aerial view and road overlays as the previous slide. Yellow diamond markers are placed at various intersections along the red and purple highlighted roads, indicating specific points of access to development. A scale bar for 500 feet and a north arrow are located in the bottom-left corner.

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5. LANDUSE & TRANSIT OPPORTUNITY

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6. POTENTIAL PEDESTRIAN CONNECTIVITY

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Land Use Concepts

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7. COVERAGE - 6 ACRES OF POTENTIAL LAND

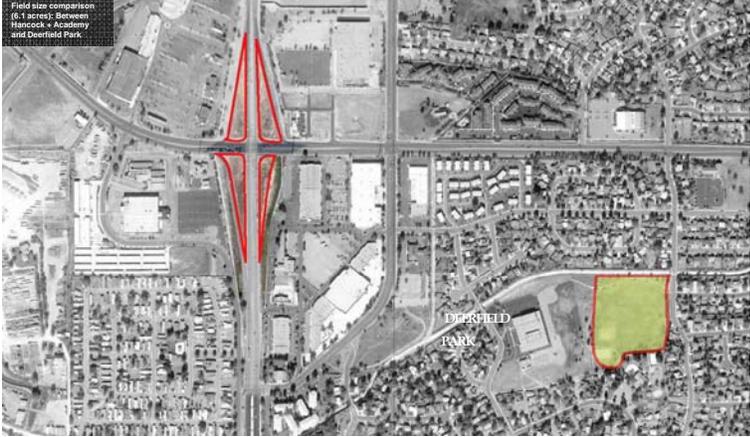
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- WHAT DOES 6 ACRES LOOK LIKE AT DEERFIELD PARK?

Field size comparison (6.4 acres) Between Hancock + Academy and Deerfield Park.



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Livability – What do YOU think should be done with 6 acres of potential land?

POTENTIAL IDEAS

- Idea #1 – **Do Nothing** (Leave Landscaping as it is)
OR
- Idea #2 – **Add Transit Center** (Leave Landscape as it is)
AND/OR
- Idea #3 - **Minimal Enhancements** (Rock Mulch, Native Plants, Dryland/ Agrarian Landscapes, Civic Banners, Environmental Art, etc.)

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Livability – What do YOU think should be done with 6 acres of potential land?

DESIGN CRITERIA

- **Affordable**
- **Resilient**
- **Sustainable**
- **Maintainable**
- **Opportunities for Partnerships**
- **Transformative**
- **Iconic Gateway**

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Community Gateways



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Dryland / Agrarian Landscapes



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Dryland / Agrarian Landscapes



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Existing Condition (looking north)



A photograph showing the current state of the road. On the left, a multi-lane highway with traffic. On the right, a grassy shoulder with a utility pole, a speed limit sign for 50, and some trees in the distance under a blue sky with light clouds.

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Potential Condition



An architectural rendering of a proposed road improvement. It features a landscaped median with a mix of yellow sunflowers and pink flowers. A modern street light stands in the foreground. A green street sign for 'Boychuk Ave' is visible. Pedestrians are shown walking on a new sidewalk. The background shows the highway and utility infrastructure.

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Civic/Commemorative Landscapes



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Civic/Commemorative Landscapes



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Existing Condition



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Potential Condition



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Iconic/ Natural Landscapes



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Iconic/ Natural Landscapes



King Soopers

Victory World Outreach

Mission Trace Shopping Center

300 feet

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Existing Condition



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Potential Condition



Boychuk Ave

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Funding Options

- PPRTA
 - Academy pavement rebuilding
 - Some signalization
- PPACG
 - Transportation Alternatives Program
 - STP Metro
 - Regional Priorities Program
 - Congestion Mitigation Air Quality Improvement Program
- Federal Transit Authority
 - Transit station
- TIGER Funding
- FASTER Funding
 - Transit station
 - Safety improvements
- Highway Safety Improvement Program
 - Safety issues
- City of Colorado Springs Parks
 - Trail improvements
- TIF / Districts
- Redevelopment
 - Access recommendations

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Next Steps

- Take home items
 - Comment form
- Refine Recommended Alternative Design
 - Costs
 - Projects of Independent Utility
- Complete PEL Report

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Thank You!

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