Denver Moves: Broadway

Design Workgroup Meeting #1
Wednesday, March 27, 2019
Meeting Purpose

- Establish roles and responsibilities of the Design Workgroup
- Gain a common understanding of the project history, purpose, need, schedule and goals
- Discuss conceptual design elements
Design Workgroup Meeting #1: Agenda

- Welcome and Introductions
- Project Overview
  - How We Got Here
  - Where We’re Going
  - Outreach Process and Role of the Design Workgroup
- Community Q&A
- Breakout Discussions: Conceptual Design
Welcome and Introductions

- Denver Moves: Broadway Project Team Members
- Design Workgroup Members
- Community Members
Project Overview
Creating vibrant places where people of all ages and abilities feel comfortable using any mode of travel is central to the project’s goals:

- Everyone arrives safely
- Community and business collaboration
- New and enhanced mobility options for everyone

<table>
<thead>
<tr>
<th>Benefits</th>
<th>Description</th>
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<tbody>
<tr>
<td>SAFETY:</td>
<td>Supports Vision Zero with street design that protects people walking and biking in part of Denver’s High Injury Network (HIN).</td>
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<td>EFFICIENCY:</td>
<td>Moves more people through the same amount of space by improving options for walking, biking, transit and driving.</td>
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<td>CONNECTIVITY:</td>
<td>Increases options for getting to and from downtown, entertainment districts, major transit stations and transportation corridors.</td>
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<td>COMMUNITY CHARACTER:</td>
<td>Provides opportunities for public art, landscaping and other streetscape improvements.</td>
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2015 – Denver Public Works begins studying Broadway to make the corridor safer for bicyclists, drivers, pedestrians, and transit riders
  • The community was engaged to understand their interests/visions for Broadway and Lincoln

2016 – Denver Public Works evaluated a two-way protected bikeway along South Broadway from Bayaud to Virginia
  • Data collection and reporting to inform future phases

2017 – Transit evaluation project and Elevate Denver Bond vote

2018 – Design contracting

2019 – After extensive community input and technical planning the City is moving forward with design of a more multi-modal Broadway
Transit Evaluation Project

Key Findings (Broadway/Lincoln 24-Hour Transit Only Lanes)

Transit Ridership

- Routes 0/0L: 2.8% increase
- Jan 2017 – Jan 2018

Transit Travel Time Savings

- Broadway: 1.1 mins faster (6%) 4-5pm
- Lincoln: 0.6 mins faster (3%) 7-8am

2.2 minutes faster round-trip (average all day)

The new pavement markings along portions of Broadway

Photo source: NACTO
Broadway North Segment

Conceptual design from Cherry Creek Trail north to Civic Center Station.

Broadway South Segment

Detailed design of construction-ready plans from Cherry Creek Trail south to Broadway Station.
Where We’re Going

Project Schedule

PROJECT SCHEDULE

2015-2018:
Broadway test bikeway (Bayaud to Virginia), data collection and reporting

Spring:
Conceptual Design

2019:
Conceptual multimodal design of North Segment

2019:
Construction-ready multimodal design of South Segment

Summer:
Detailed Design (60%)

Summer 2019+:
Funding Identification

Fall:
Final Design (Construction-ready)

2020+:
Implementation/Construction Planning
What does a holistic approach to multi-modal design include?

- Pedestrians
- Bikes
- Transit
- Vehicle traffic
- On street parking and curb lane management
- Local community/business access (e.g., left turns, alleys, parking lots, etc.)
Where We’re Going

Preliminary Conceptual Design: Parking Protected Bikeway
Where We’re Going
Preliminary Conceptual Design: Parking Protected Bikeway
Where We’re Going
Project Definition

Preliminary conceptual design subject to change
Where We’re Going

Project Definition

S. BROADWAY (CEDAR TO BAYAUD)

Preliminary conceptual design subject to change
Where We’re Going
Mayor’s Mobility Action Plan

Denver’s Mobility Action Plan
Denver is ready to transform its transportation system.

Strategic Goals

**CHOICE**
Providing more choices: Walk, Bike, Drive, Transit or Share

**SAFETY**
Improving safety through Vision Zero

**CLIMATE & HEALTH**
Expanding use of electric vehicles and charging stations

**ACCESSIBILITY**
Increasing technology to make your trip easier and faster

$2+ billion over the next 12 years to make it safer and easier to get where we need to go.
Where We’re Going
Citywide Bikeway Master Plan

<table>
<thead>
<tr>
<th>Increase Combined Walk/Bike Mode Share</th>
<th>Increase Households Within 1/4 Mile of Low Stress Bikeway</th>
<th>Increase Miles of Bikeway Implemented Annually</th>
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</thead>
<tbody>
<tr>
<td>6.8% 2017 Status</td>
<td>34.7% 2017 Status</td>
<td>Average/Year 11.5 mi/yr</td>
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<tr>
<td>15% 2030 Goal</td>
<td>100% 2030 Goal</td>
<td>2018-23 Goal 25 mi/yr</td>
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Where We’re Going
Current Bike Network

LEGEND

- Signed Route/Shared Lane
- Neighborhood Bikeway
- Bike Lane
- Protected Bike Lane
- Shared-use Sidewalk
- Multi-use Trail
- Bike/Pedestrian Bridge
- Downtown Trail Exit
- Regional Bike Route
- B-Cycle Station
- Bike Shop
- RTD Light Rail Station
- RTD Commuter Rail Station

N

Miles

0 0.5 1

Kilometers

0 0.5 1
Where We’re Going
Future Bike Network

PROPOSED FACILITIES
Shared Roadway
- Neighborhood Bikeway
- Shared Roadway

Separated Bikeways
- Bike Lane
- Shared Parking/Bike Lane
- Buffered Bike Lane

Protected Bikeways
- One-Way Protected Bike Lane
- Two-Way Protected Bike Lane
- Shared Use Sidewalk
- Trail

Needs Further Study
- Needs Further Study

Roadway Crossing
- Transition
- Intersection
- Interstate
- Bridge

EXISTING FACILITIES
Shared Roadway
- Neighborhood Bikeway
- Shared Roadway

Separated Bikeways
- Bike Lane
- Shared Parking/Bike Lane
- Buffered Bike Lane
- Climbing Bike Lane

Protected Bikeways
- Protected Bike Lane
- Shared Use Sidewalk
- Trail

FasTracks Station
- School
- RTD Light Rail Line
- Streams
- Streets
- Lakes
- Parks
- Destinations
- Denver City/County

Data Source: Denver GIS
Map Created: October 2015
Produced By: Alta Planning + Design
Where We’re Going
Bond Process

• Elevate Denver Bond Program approved by voters in 2017 to enhance roads, sidewalks, parks, recreation centers, libraries, cultural centers, public-owned buildings, health and safety facilities.

• The Elevate Denver Bond Program invests $12 million toward the construction of Denver Moves: Broadway’s South Segment.
Community Engagement
Where We’re Going
The Outreach Process

COMMUNITY-WIDE COLLABORATION

DESIGN WORKGROUP INPUT

DESIGN DECISIONS
Design Workgroup Roles and Responsibilities

1. Act as a representative of the community
2. Bring ideas and collaborate
3. Respect the ideas of others
4. Be available
5. Focus on the task at hand
6. Serve as a project partner and share information
Where We’re Going

Project Schedule

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2020+:
Implementation/Construction Planning
The Outreach Process
Engagement Timeline & Milestones

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<tr>
<th>Spring 2019</th>
<th>Summer</th>
<th>Fall</th>
<th>Fall/Winter</th>
<th>Winter 2019</th>
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<tbody>
<tr>
<td>Community Event/s</td>
<td>Community Event/s (Bike to Work Day, 6/26)</td>
<td>Community Event/s</td>
<td>TBD: Community Event/s</td>
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<tr>
<td>Community-Wide Survey</td>
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**Ongoing:** Project Email Updates | Media Relations | Small Group/1x1 Briefings
Next Steps

• Upcoming meeting dates:
  • Workgroup #2: Detailed Design (June/July)
  • Workgroup #3: Draft Final Design (September/October)

• Ongoing community engagement: Workgroup partnerships
  o Events your organization is hosting that we should know about?
  o Project team office hours and other activities in the corridor
Community Member Q&A
Conceptual Design Elements
Small Group Discussions
Preliminary conceptual design subject to change
Conceptual Design Elements
Small Group Exercise

• **Buffer type/s:**
  - Prioritization of potential design options

• **Connection and access points:**
  - Preferred option for Cherry Creek Trail connection

• **Parking and curb lane management:**
  - Prioritization of tradeoffs (ADA/metered parking, loading zones, ride share, etc.)

• **Multimodal design: What are the key benefits?**
  - Shorter pedestrian crossings, new stop lights, transit access, traffic calming

• **What topics are a priority for additional study during detailed design?**
  - Local access, parking/curb lane, traffic management, access/connection points
Conceptual Design Feedback
Small Group Discussion

- **Survey:** [www.surveymonkey.com/r/BroadwayMoves](http://www.surveymonkey.com/r/BroadwayMoves)

- **North Segment:** Roll Plot Map Discussion & Survey
  - *Hannah (facilitator), Brett (CCD), Matt (technical)*

- **South Segment:** Roll Plot Map Discussion & Survey
  - *Miles (facilitator), Brittany (CCD), Brian (technical)*

- **Floating staff:** Dan (CCD), Kiki (CCD), Melissa (technical), Nikki (technical)