



TMP Implementation Six Month Progress Update

City Council Study Session
Feb. 24, 2015



Presentation topics

- Share Progress and Highlights for 2015
- Seek Council Input:
 - Complete Streets: Living Lab & Transit
 - Transportation Demand Management
 - Evaluation and Metrics
- Next Steps





2014 TMP Highlights

- BVCP & Sustainability Framework
- Work in 5 Focus Areas:
 - Complete Streets, Regional, TDM, Funding, and Integration with City-wide Planning Initiatives
 - Comprehensive GhG Inventory
 - Updated measurable objectives
 - TMP Action Plan

Funding

- 2013 Voter approved sales tax
- 2014 Voter approved Community Culture & Safety (2A) project funding
- 2015 Development excise tax/fee analysis for Transportation
 - New development
 - Capital costs only
- Future - explore user based funding for operations/maintenance

Funding

- TIP results- City projects: \$11.5 M
 - Broadway reconstruction: Violet to US 36
 - Boulder Slough Path; 30th to 3100 Pearl
 - 30th St./Colorado Ave Bike/Ped Underpass
- CU Boulder
 - E. Campus Bridge and Trail Connection
- Regional Transit
 - BRT corridor studies (SH7 & SH119)
 - FLEX Express

Integrated Planning

- Envision East Arapahoe corridor plan
- Civic Area implementation
- Housing Boulder
- Access Management and Parking Strategy
- Climate Commitment
- Boulder Valley Comprehensive Plan

Council Feedback Requested:

- Transit planning – local & regional
- Living Lab analysis and public engagement process
- TDM efforts – TDM Tool Kit & Community-wide Eco Pass
- Measurement and evaluation – guide developing next Report on Progress



Complete Streets: Local & Regional Transit

Transit Planning

- **Service Element- Local & Regional**
 - US 36 BRT “Flatiron Flyer”
 - RTD service plan & fare study under review
 - Important role of US36 Corridor Coalition
 - BRT corridor studies – SH7 & SH119
 - FLEX service extension to Boulder
 - Boulder Junction at Depot Square
 - Transit facility opening summer 2015
 - Grand Opening with US36 BRT- Jan. 2016

Transit Planning

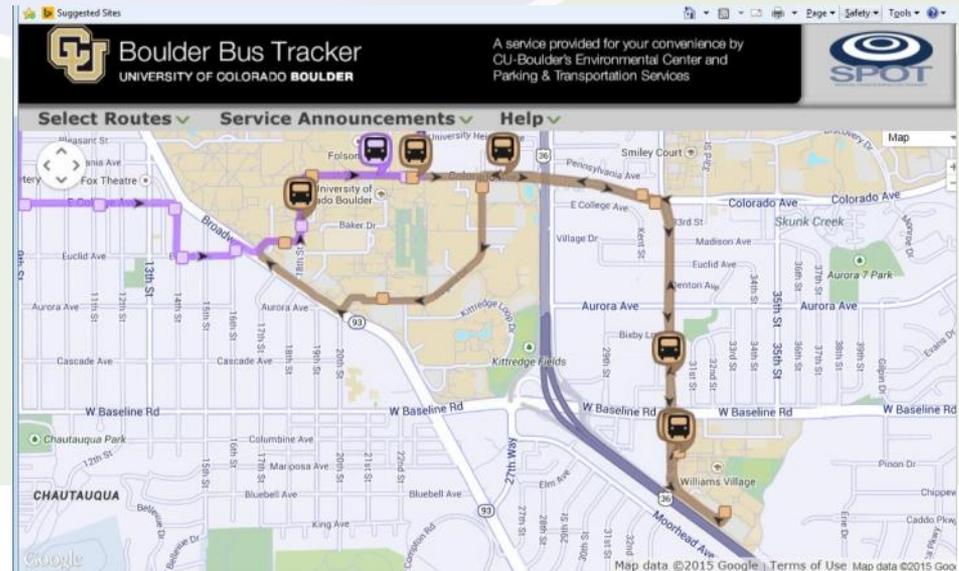
- **Capital Element**

- North Boulder Mobility Hub Concepts
- HOP Vehicle Replacement – Via
- Bus Then Bike Shelter
 - Partnership with Boulder County and RTD
 - Secure Bike Parking at Downtown Transit Center
 - Future: Boulder Junction



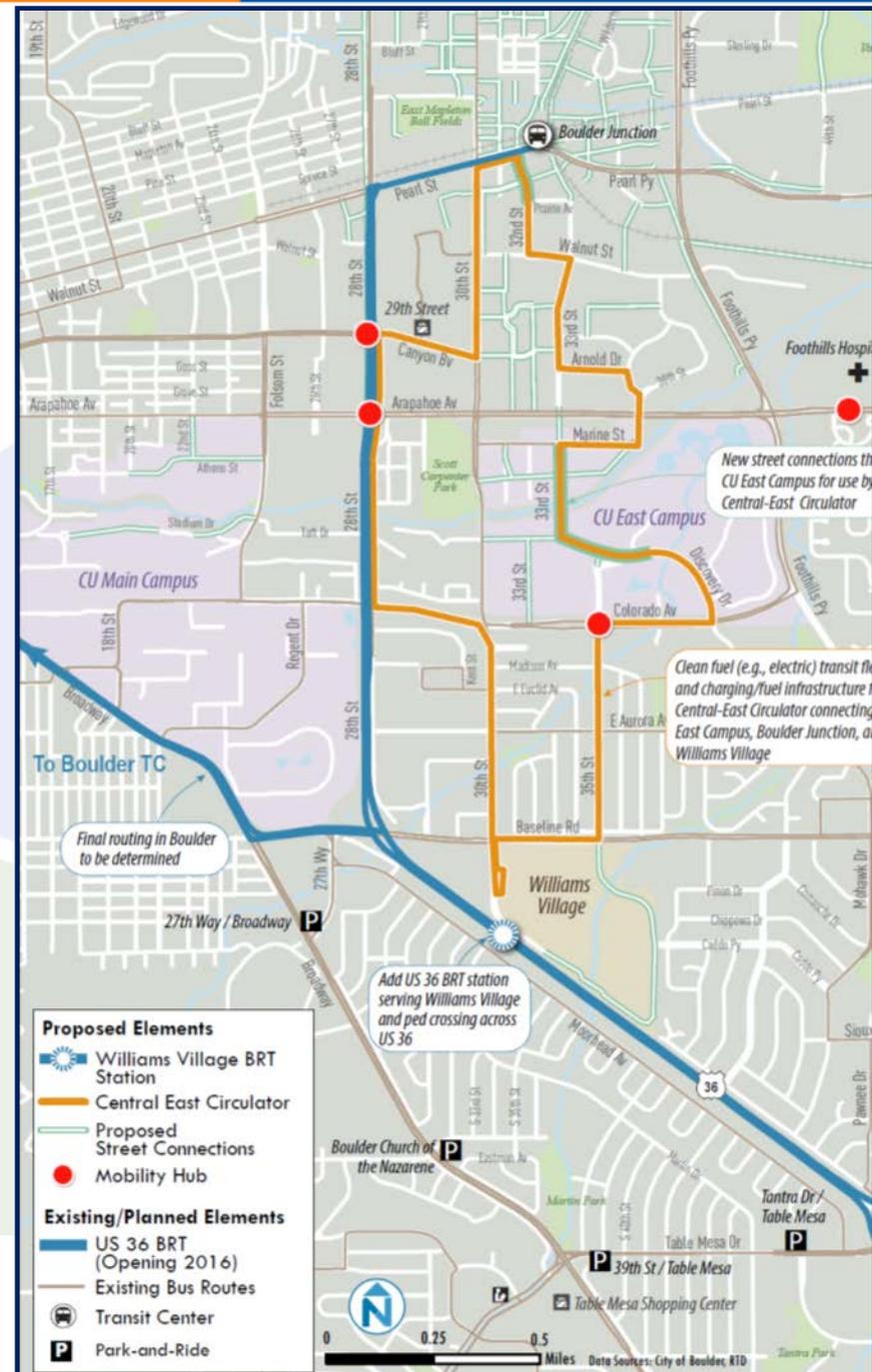
Transit Planning

- Program Element
 - Real Time Information
 - RTD's plan for 2015-16
 - CU/HOP existing



Transit Funding

- Exploring 2015 TIGER grant
 - Partnership with CU
 - Eastside circulator
 - Williams Village,
 - CU East Campus
 - Boulder Junction
 - Potential action - April 2015



Transit Funding

- RTD Fare Study
 - Released since memo prepared
 - Actively under evaluation
 - Continued conversation with partners
 - Initial Observations:
 - Positives- all day local fare; local fare for BV; DIA fare structure
 - Concerns- fare relationship to service; equity with LRT; subsidy to LRT service

TAB Feedback:

- RTD Board Chair Chuck Sisk and staff presented update at February TAB mtg
- TAB's concern with RTD funding levels and implementation of US 36 BRT
- Desire for enhanced service and general agreement with staff comments

Question for Council:

- Does council have input on the transit-related items, including US 36 Bus Rapid Transit (BRT) and the potential TIGER grant application with the University of Colorado (CU)?



Complete Streets: Living Laboratory

Living Lab – Phase I projects

Installed summer 2013

Cycle Track

Baseline Road

Buffered Bike Lanes

University Avenue

Spruce Street

Back-in-angle Parking

University Avenue

Electric Assist Bike Pilot

Off-street multi-use paths, not including paths on Open Space and Mountain Park lands

Evaluation Measures

- Field observations
- Speed & volume
- Crash experience
- Community input

Evaluation Results

- Adjust implementation
- Maintenance
- Informing Phase II



Back in angle parking



Barrier separated cycle track



Buffered bike lanes



E Bikes on multi-use paths

Living Lab – Phase I projects

University Avenue-
parking protected
bike lanes



Wave 2
Installed October 2014

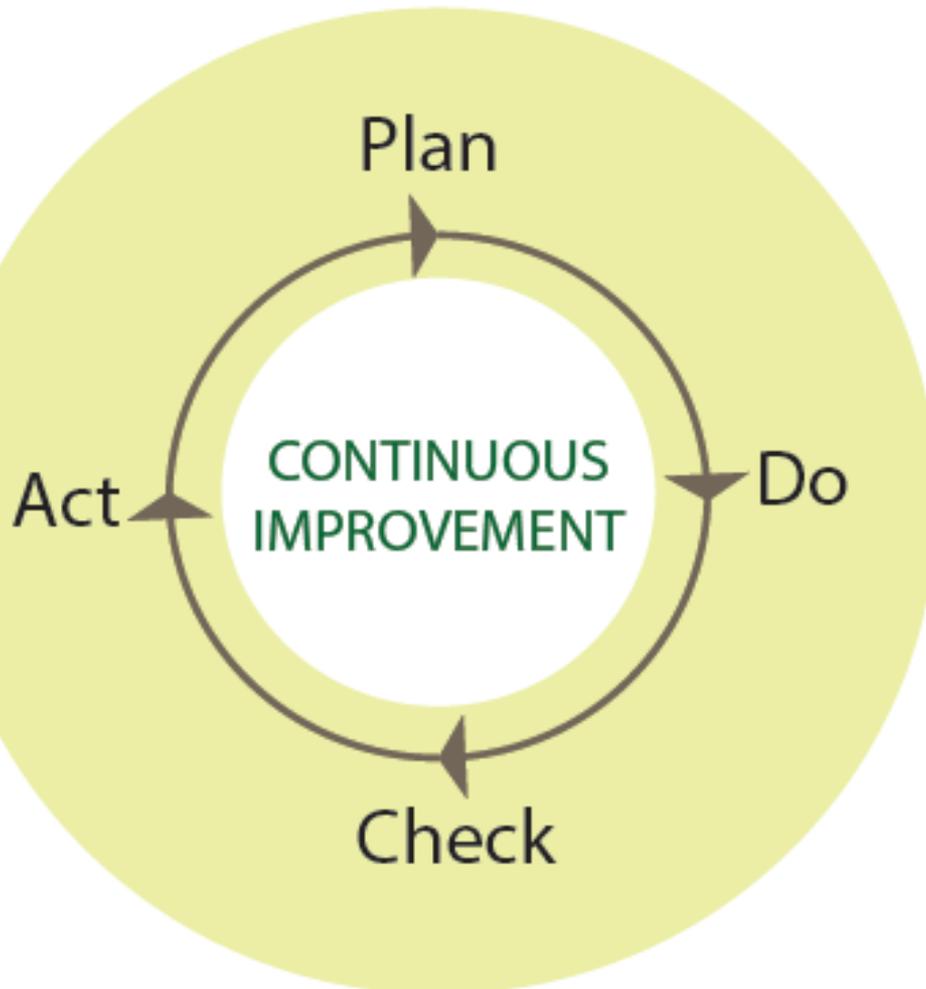


Harvard Lane
Dashed (advisory) bike lanes

University Avenue- parking protected bike lanes



Living Lab continuous improvement



Phase I

- Bike focused
- Opportunistic

Phase II

- Informed by Phase I
- Explore options and tradeoffs

Living Lab Phase II Projects

Options for repurposing or “right sizing” multi-lane arterial roadways

Selection criteria

- Technical evaluation criteria
- Local street vs. state highway
- Cross section/number of lanes
- Speed
- LOS for all modes
- Traffic volumes
- Resurfacing schedule
- Displaced traffic



- Iris Avenue
- Folsom Street
- 55th Street
- 63rd Street

Living Lab – Phase II projects

Candidate Corridors

- Iris Avenue
- Folsom Street
- 55th Street
- 63rd Street

Design considerations

- safety of all users
- Pedestrian/cyclist stress level
- Access to transit
- vehicle delay/travel time

Planning &
design
(now-spring)



Installation



Evaluation

Living Lab – Phase II

Public Process Options:

1. Enhanced and focused process

- Staff briefing to TAB (April)
- TAB hosted open house (April/May)
- Focused stakeholder meetings (May/June)
- TAB public hearing & Council update (Summer)

Planning &
design
(now-spring)



Installation
(summer)



Evaluation
(thru winter
2016)

Living Lab – Phase II

Public Process Options:

2. CEAP type process

- Public outreach and issue identification
- Exploration of design options
- Evaluation of options
- CEAP report and public hearings

Planning &
design
(now-winter)



Installation
(summer
2016)



Evaluation
(thru winter
2017)

Complete Streets: Bike/Pedestrian Innovations

Living Lab Evaluation



Technical data

Speed
Travel time
volume

Observation Surveys

demographics
Behavior
conflicts

Community Input

Inquire Boulder
Bike/Walk Audits
Pop-up events
Surveys
Stakeholder meetings

Phase II public engagement

Objectives

- Seek input on options
- Share information on complete streets and rightsizing
- Proactive communication
- Promote central feedback loop
- Host bike/walk audits, store front workshops & pop up events



TAB Feedback:

- Strongly support the Living Lab experimentation approach
- Want demonstrations to be successful
- Range of opinions on the public process needed- did not have one recommendation

Question for Council:

- Does council have feedback on the proposed approach for the Living Lab Phase II projects, including the pace of the public engagement process?
 - Enhanced and focused process (Spring 2015 – Winter 2016)
 - CEAP process (Spring 2015 – Winter 2017)



Transportation Demand Management: TDM Tool Kit Community-wide Eco Pass

TDM Tool Kit Update

- **AMPS Phase 1**

- TDM Plan policies and possible ordinance for new developments
- TAB, Planning Board and Council input summarized from 4th Qtr 2014
- Next steps:
 - Community input - March/April
 - Coordination with AMPS (on-going)
 - Update for Boards & Council – May 2015

Considerations for TDM Plans for New Developments

- **Measureable Objectives**
 - Vehicle Trips with SOV mode share as back-up
- **Thresholds**
 - Lower commercial vehicle trip generation trigger
- **TDM Plan Elements**
 - Require Eco Pass participation and unbundled parking in certain contexts
- **Timing and Duration**
 - Three years to reach compliance
 - Compliance is permanent and tied to property
- **Plan Enforcement**
 - No escrow accounts
 - No consensus- need further input

TDM

- **AMPS Phase 2**

- On-going coordination with AMPS
 - Revitalized outreach program for existing employers
 - Parking cash-out demonstration
 - Civic Area TDM/access/parking mgmt
 - Bundled “first and final mile” memberships
 - eGo carshare, Boulder B-cycle, Eco Pass
 - Partnership with Boulder Transportation Connections & 36 Commuting Solutions

TDM

- On-going TDM programs for 2015
 - Vanpool Recruitment and Retention
 - Chamber and BTC partnership
 - Boulder Junction TDM program
- **Community-Wide Eco Pass- 2nd Phase**
 - Policy Advisory Committee (PAC)
 - Technical Advisory Committee (TAC)

TAB Feedback:

- TDM Tool Kit
 - Support direction
- Support parking cash-out and additional efforts in managed parking
- On-going support for exploring Community-wide Eco Pass

Question for Council:

- Any questions or comments regarding the TDM-related items, including:
 - Proposed TDM Toolkit enhancements for new development, based on the summarized feedback from boards and council and revised staff considerations?
 - Community-Wide Eco Pass study with Boulder County?



Measurement and Evaluation

2014 TMP

Revised Objectives

No Growth in Long
Term Vehicle Traffic

Max of 20% roadways at
LOS F

Safety
Vision Zero

Reduce SOV to 20%
of Trips

Expand Fiscally Viable
Alternatives for
Residents &
Employees

Increase
Neighborhood
Accessibility
15 min neighborhoods

Reduce Mobile Source
Emissions

Increase Alternatives
with rate of Employee
Growth

Reduce VMT per
Capita by 20%
Residents &
Employees

TMP- Continuous Improvement

- 2014 - VMT & Mode Share targets revised per Climate Commitment
- 2015 - Update:
 - Transportation Report on Progress
 - Safe Streets Boulder Report
 - Coordination with city-wide measurement and dashboard projects

Ongoing Metrics Program

- LOS evaluation (multimodal)
- Travel Time survey
- Vehicle count program
- Downtown bike counts
- Employee surveys:
 - BVES, Downtown, CU faculty and staff, BVSD faculty and staff

Question for Council:

- Does council have questions or feedback on the proposed metrics and evaluation process planned for 2015?
 - Transportation Report on Progress
 - Safe Streets Boulder report
 - Web-based dashboard

TMP Next Steps

- Living Lab public process
- Continue review/discussion on transit service proposals
- Regional BRT corridor studies
- Eco Pass committee meetings
- TDM plan/toolkit development
- Coordination with agency partners
- Next Check-in August 2015



Support Slides

RENEWED VISION FOR TRANSIT

Transit Planning- Regional

- **Service Element- RTD proposed**
 - **Route S eliminated with hours reassigned to the BJCC route**
 - **Route HX replaced with route from BJ to Civic Center**
 - **No mid-day service from BJ to Civic Center**
 - **No direct service from BJ to Denver Union Station**
 - **No mid-day express service from BTC**

Transit Planning

- **Service Element- Local**

- Boulder Junction – provide BRT service in peak hours to Denver Civic Center only; latest proposal is all-station service (increasing travel time)
- Route 206 - service proposed to terminate at Boulder Junction
- Route 209 - was proposed to truncate at Baseline, change deferred at this time

**SPRUCE STREET
BUFFERED BIKE LANES**

**UNIVERSITY AVENUE
DOUBLE BUFFERED BIKE LANES**

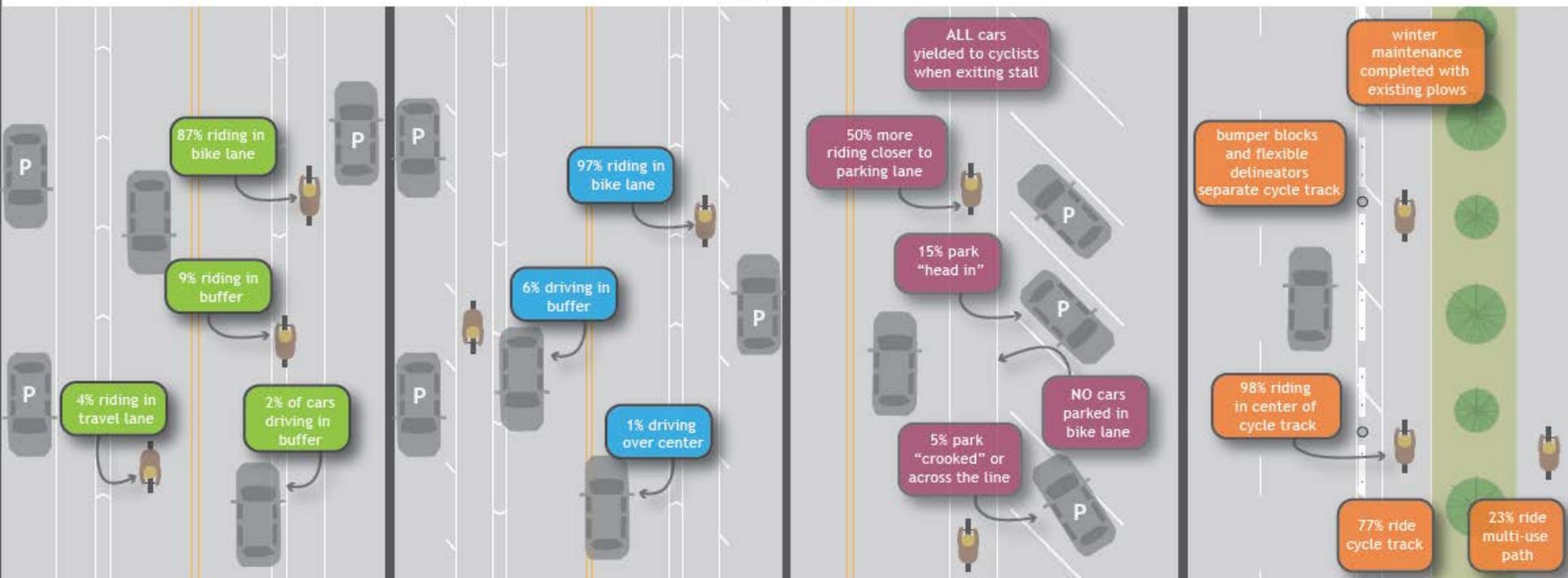
**UNIVERSITY AVENUE
BACK-IN-ANGLE PARKING**

**BASELINE ROAD
CYCLE TRACK**

BEFORE



AFTER



Phase II design visualation



Question for Council:

- Does council have feedback on the proposed approach for the Living Lab Phase II corridor right sizing projects including the pace of the public engagement process:

1. Enhanced and focused process

2. CEAP style process

