



Living Lab Folsom Street Pilot



City Council
Sept. 29, 2015

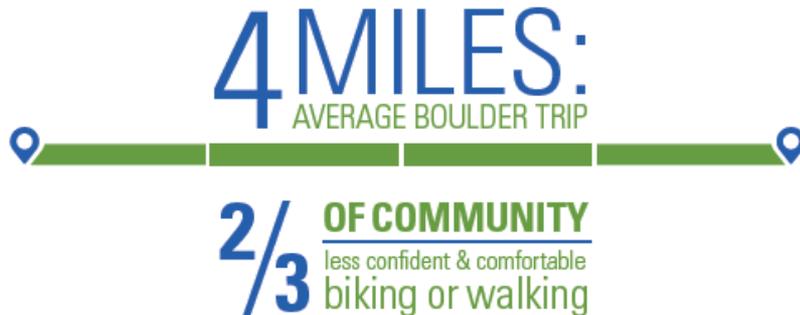
Presentation overview

- > Pilot Project Update
 - August 25, Study Session
 - September 8, Briefing
- > Evaluation Results
 - Weeks 1-8
- > Community Feedback
- > TAB Input 9/14
- > Lessons Learned
- > Staff Recommendation
- > Next Steps





The TMP sets ambitious yet realistic mode share goals of:



Objectives

Reduce Vehicle Miles Traveled (VMT) by 20%

Reduce Single Occupant Vehicles (SOV) to 20% of all trips

Reduce mobile source emissions

Max of 20% roadways at LOS F

Expand fiscally viable alternatives for residents & employees

Increase alternatives with rate of employee growth

Toward Vision Zero traffic injuries

Increase neighborhood accessibility

Reduce VMT per capita by 20% for residents and employees



- > Enhance on-street system to be more **safe and comfortable** to all users
- > Test **innovative** engineering treatments and programs
- > Provide **interactive 'real world'** user experience



Corridor Evaluation

- > Primary Evaluation Criteria
 - Vehicle Speed
 - Vehicle volume
 - Corridor Travel Time
 - Bicycle Volume
 - Collisions
- > Infographic & After Data Summary (Weeks 1-8)
- > Secondary Evaluation Criteria is being collected and will be reported mid-October.



www.BoulderLivingLab.net



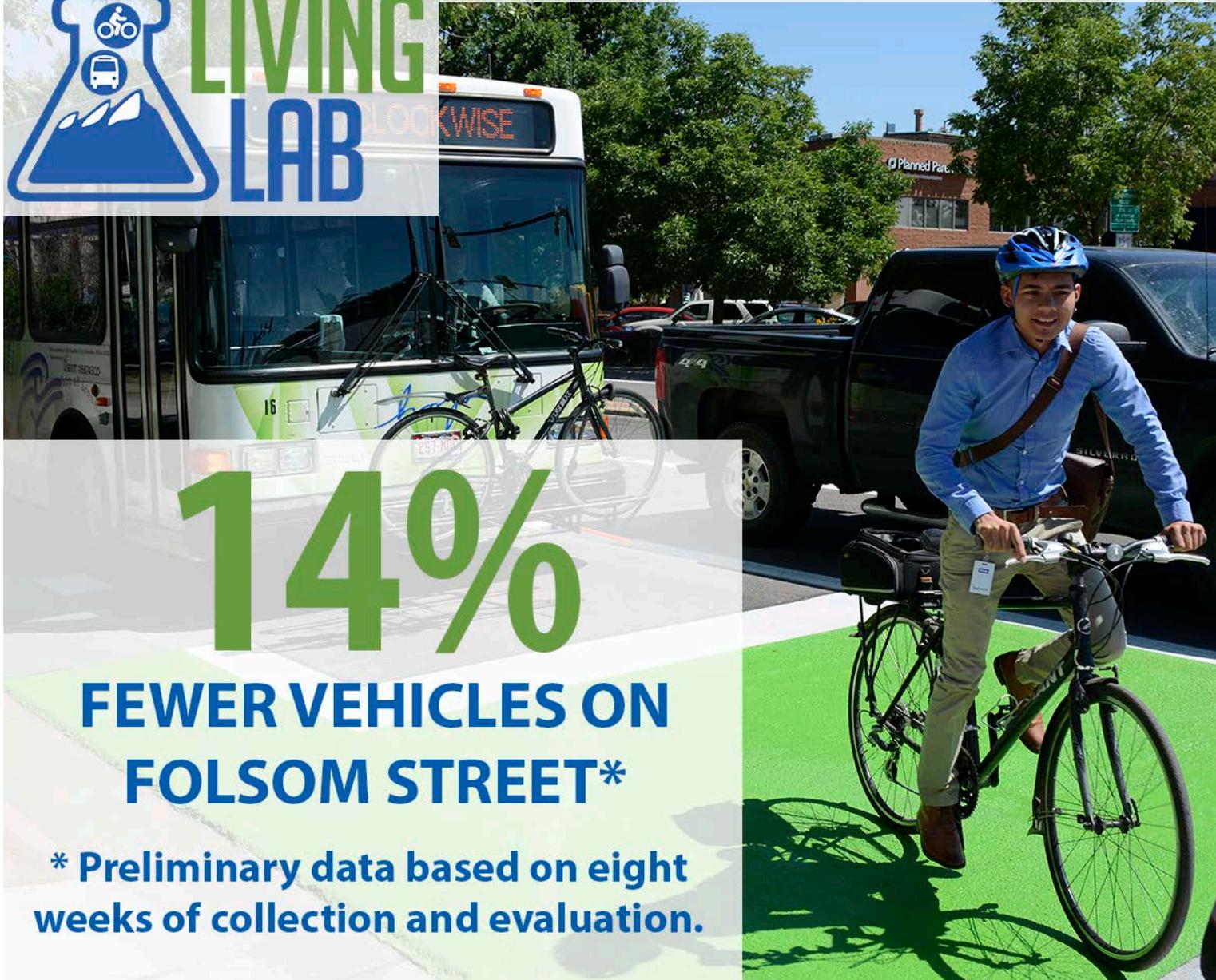
3 mph

**DECREASE IN VEHICLE SPEEDS
FROM 39 TO 36 MPH *
(speed limit - 30 mph)**

*** Preliminary data based on eight weeks of collection and evaluation.**



www.BoulderLivingLab.net



14%

**FEWER VEHICLES ON
FOLSOM STREET***

*** Preliminary data based on eight weeks of collection and evaluation.**



www.BoulderLivingLab.net



27
SECOND

**DECREASE IN AVERAGE
NORTHBOUND
TRAVEL TIME***

76
SECOND

**INCREASE IN AVERAGE
SOUTHBOUND
TRAVEL TIME***

(Arapahoe Avenue - Valmont Road)

***Based on Week 8 data compared
to the before installation travel times.**

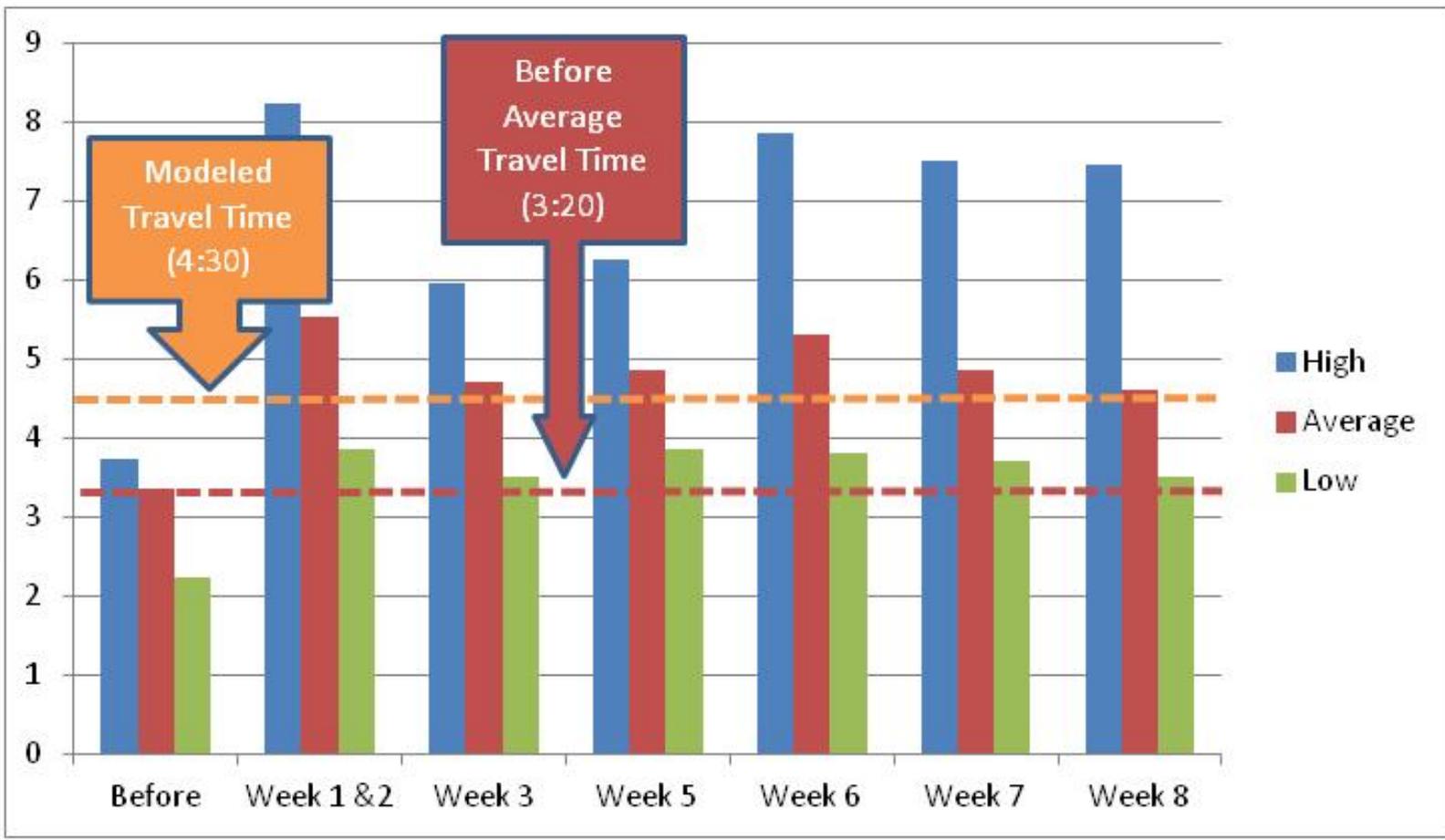


Travel Time Comparison Northbound Folsom PM Peak



Travel Time Comparison Southbound Folsom PM Peak

Minutes



Data Collection (Weeks)

www.BoulderLivingLab.net



58%
**MORE BIKES ON
FOLSOM STREET***

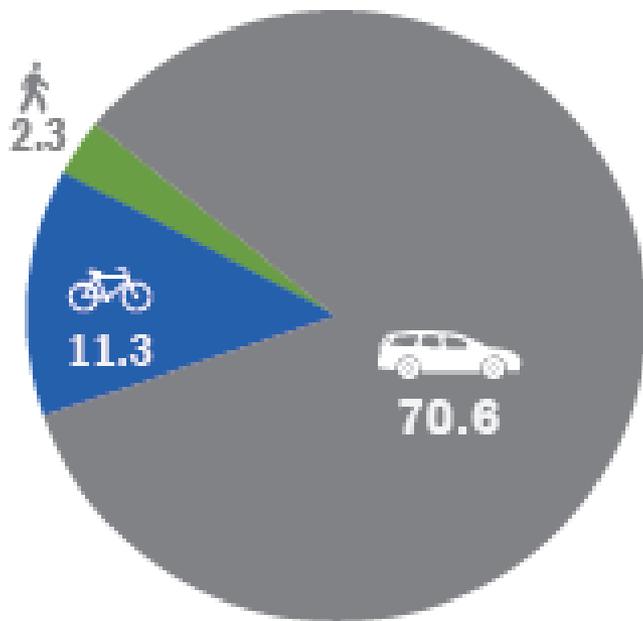
* Preliminary data based on eight weeks of collection and evaluation.

*Increase in bike volume is consistent with the increase the city typically sees when school is back in session.



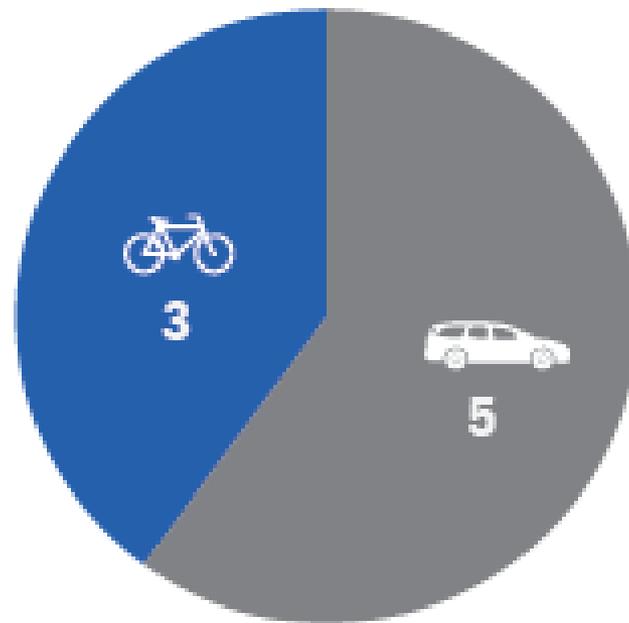
Collisions

**Before
(Average Per Year)**



**(Approximately
1.6 per week)**

**After
(Weeks 1-8)**



**(Approximately
1 per week)**

Community Outreach and Feedback

- On-going community outreach
 - Business meetings
 - Drive, walk, and bike audits
 - Pop-up events
 - Social media
- Folsom Street user guide

Community Comments

- Traffic congestion and travel time delays
- Difficult to turn on/off of Folsom
- Re-routing to adjacent streets
- Bicyclists riding on sidewalks
- Protected bike lanes safer for bicyclists
- Helpful to have center left turn lane
- Need more time and data to know if works or not, too early to tell
- New user guide information is helpful

Upcoming Events Poster

LIVING LAB

GIVE US YOUR INPUT



The City of Boulder is testing new roadway design treatments along Folsom Street to evaluate the effectiveness of improving access, safety and mobility for all people.

SCHEDULE OF EVENTS



SEP

23 Folsom Street Business Listening Session

Noon to 1 p.m. Boulder Chamber of Commerce, 2440 Pearl St.

30 Folsom Street Business Listening Session

Noon to 1 p.m. Boulder Chamber of Commerce, 2440 Pearl St.



OCT

01 Drive Folsom: Audit the driver/passenger experience

Noon to 1 p.m. meet at the Boulder Chamber of Commerce parking lot, 2440 Pearl St.

03 Bike Folsom: Audit the cyclist experience

11 a.m. to noon meet at the Boulder Creek Path underpass on the west side of Folsom St.

07 McGuckin Hardware Transportation Fair

3 to 6 p.m. in the parking area against the McGuckins building, 2525 Arapahoe Ave.

10 Walk Folsom: Pedestrian storytelling experience

10 a.m. to noon meet at the main entrance to the Millenimum Harvest House hotel, 1345 28th St.

For more details, a complete list of upcoming events and information about the Living Lab pilot project, please visit BoulderLivingLab.net

FOLSOM STREET BUSINESS LISTENING SESSIONS

The city invites area businesses to share feedback on the Folsom Street pilot project and recent project refinements. Please join us:

Wednesday, September 23 and 30 at Boulder Chamber of Commerce, 2440 Pearl Street
Noon to 1 p.m. No RSVP Needed

FOLSOM STREET WALK•BIKE•DRIVE AUDITS

Walk, bike or drive along Folsom Street and then share your observations and stories with city staff and other community members. Your experience will be recorded and shared with the city as part of the Living Lab evaluation.

Please RSVP to Matt Jones at 303-441-3266

Lessons Learned

- Recognized the importance of considering the larger community context
- Increase in major private and public construction has made traveling through Boulder temporarily more challenging
- Need for a more effective communications and public engagement process and a more comprehensive evaluation of potential issues

Lessons Learned

- Better ways to design protected bike lanes that offer greater safety to cyclists while also allowing drivers to access driveways
- Clearer ways to mark the transitions near intersections where bicycles have to merge back into traffic
- Improved ways to reduce visual clutter to make streets with protected bicycle lanes easier for drivers to navigate

TAB Input – Sept 14 Meeting

- Suggestions:
 - Improve key messages related to data metrics, to reduce jargon and to explain evaluation methodology
 - Clarify that the travel time impacts are not uniform across the day
 - Identify options to address the evening rush hour impacts.
- TAB meeting pre-dated current staff recommendation

Options for Consideration

1. Continue pilot project as originally planned
2. Refine/modify corridor and/or intersections, particularly between Pearl and Canyon. Continue weekly evaluation and updates
3. Make more substantial modifications to corridor/intersections, including the potential removal of individual segments.
4. Remove Folsom corridor pilot project.

Staff Recommendation

Option 3: *make more substantial modifications to the corridor/intersections to seek a balance and be responsive to community concerns, including potential removal*

Spruce to Canyon

- Reinstall four lane configuration
- Retain some green lane intersection treatments

Valmont to Pine

- Maintain protected bike lanes

Pine to Spruce

- Restripe adequate transition between four and two lane sections

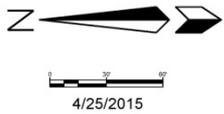
Arapahoe to Colorado

- Maintain buffered bike lanes

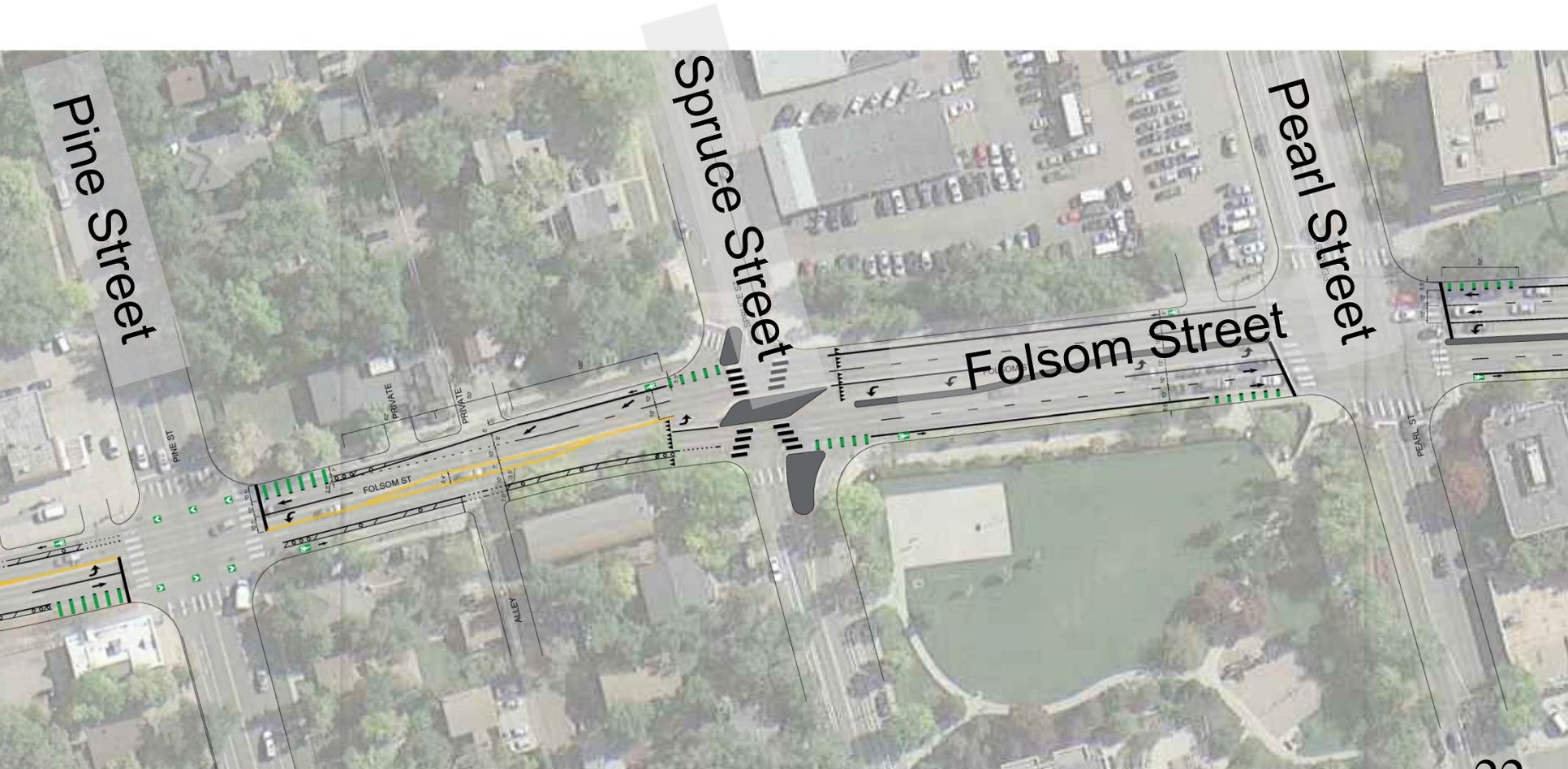
Proposed Corridor Modifications



Pine to Pearl street Transition from 2-lane to 4-lane



4/25/2015



Next Steps

- **Should council support staff recommendation and/or other modifications**
 - Make adjustments in October
- Continue primary and secondary evaluation
- Weekly updates to website
- Monthly email updates to TAB and council
- Continue community outreach efforts
- Return to City Council end of 2nd quarter 2016 with progress report on Living Lab program