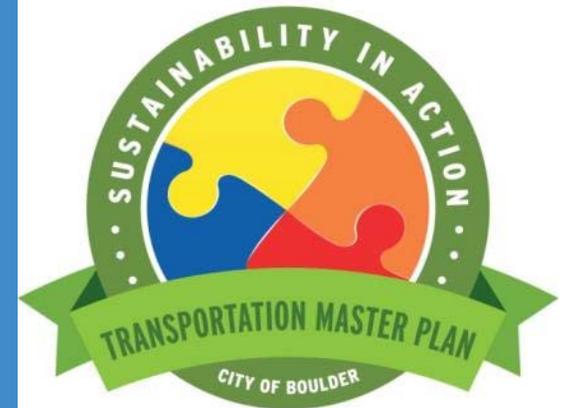




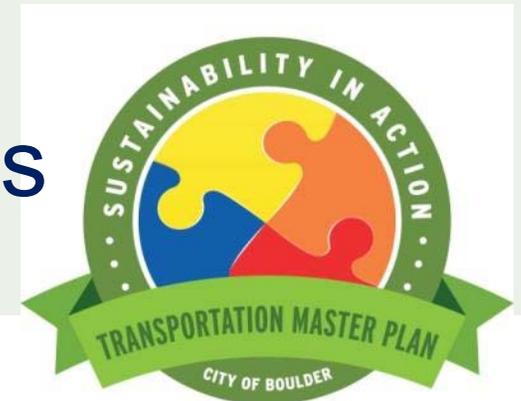
Transportation Master Plan: Progress and Implementation Update

**TAB Study Session
Aug. 10, 2015**



Presentation topics

- Share progress and highlights
- Seek TAB input:
 - Complete Streets: Living Lab
 - Transportation maintenance
 - Capital projects
- Updates across Focus Areas
- Next Steps



2014 TMP Highlights

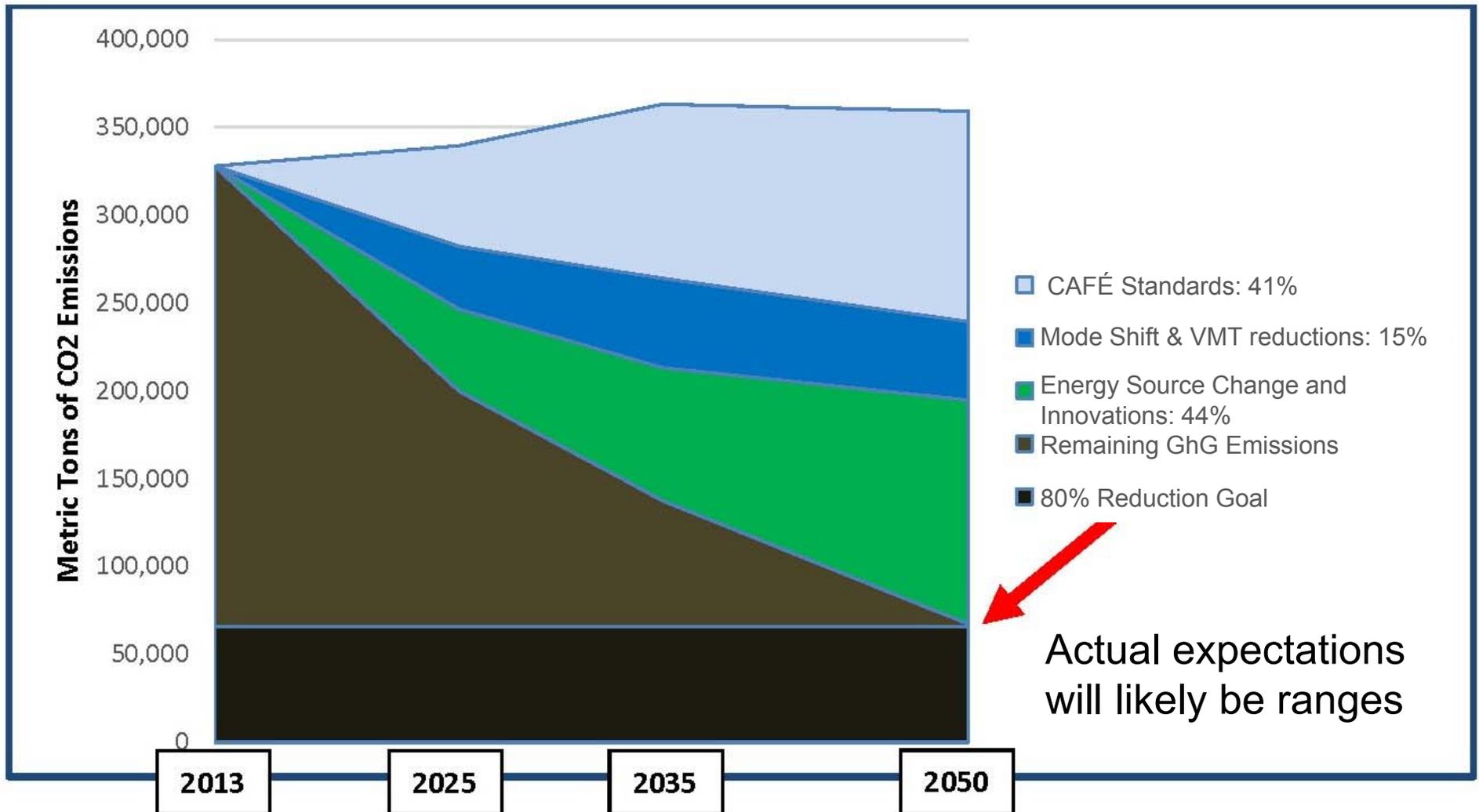


- BVCP & Sustainability Framework
- Work in 5 Focus Areas:
 - Complete Streets, Regional, TDM, Funding, and Integration with City-wide Planning Initiatives
 - Comprehensive GhG Inventory
 - Updated measurable objectives
 - TMP Action Plan

Climate Commitment Analysis

Projected GHG Reductions by Action Area

From Southwest Energy Efficiency Project 2014 Analysis



Measurable Objectives

No Growth in Long Term Vehicle Traffic

Max of 20% roadways at LOS F

Safety

Reduce SOV to 25% of Trips

Expand Fiscally Viable Alternatives for Residents & Employees

Neighborhood Accessibility

Reduce Mobile Source Emissions

Increase Alternatives with rate of Employee Growth

VMT per Capita

Measurable Objectives

Reduce by 20 percent as contribution to ambitious GhG reduction goal

No Growth in Long Term Vehicle Traffic

Reduce SOV to 25% of Trips

Reduce Mobile Source Emissions

Max of 20% roadway cost

Expand Financially Viable Alternatives for Residents & Employees

Increase Alternatives with rate of Employee Growth

Safety

Neighborhood Accessibility

VMT per Capita



TAB Feedback Requested:

- Implementation and evaluation of the Complete Streets Living Lab Phase II corridor projects/Folsom Street
- Changes to maintenance activities or the evaluation/transformation efforts
- Ongoing Transportation capital improvements program/projects



Complete Streets: Living Lab Phase II Corridor Projects



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

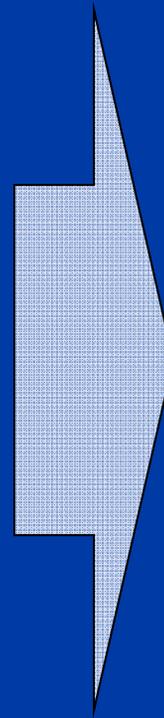
- Adjust implementation
- Maintenance
- Informing Phase II

Living Lab Phase II Projects

Options for repurposing or 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

- **Folsom Street (current project)**
- Iris Avenue
- 63rd Street
- ~~55th Street~~ (tabled)

Design considerations

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





Living Lab – Phase II

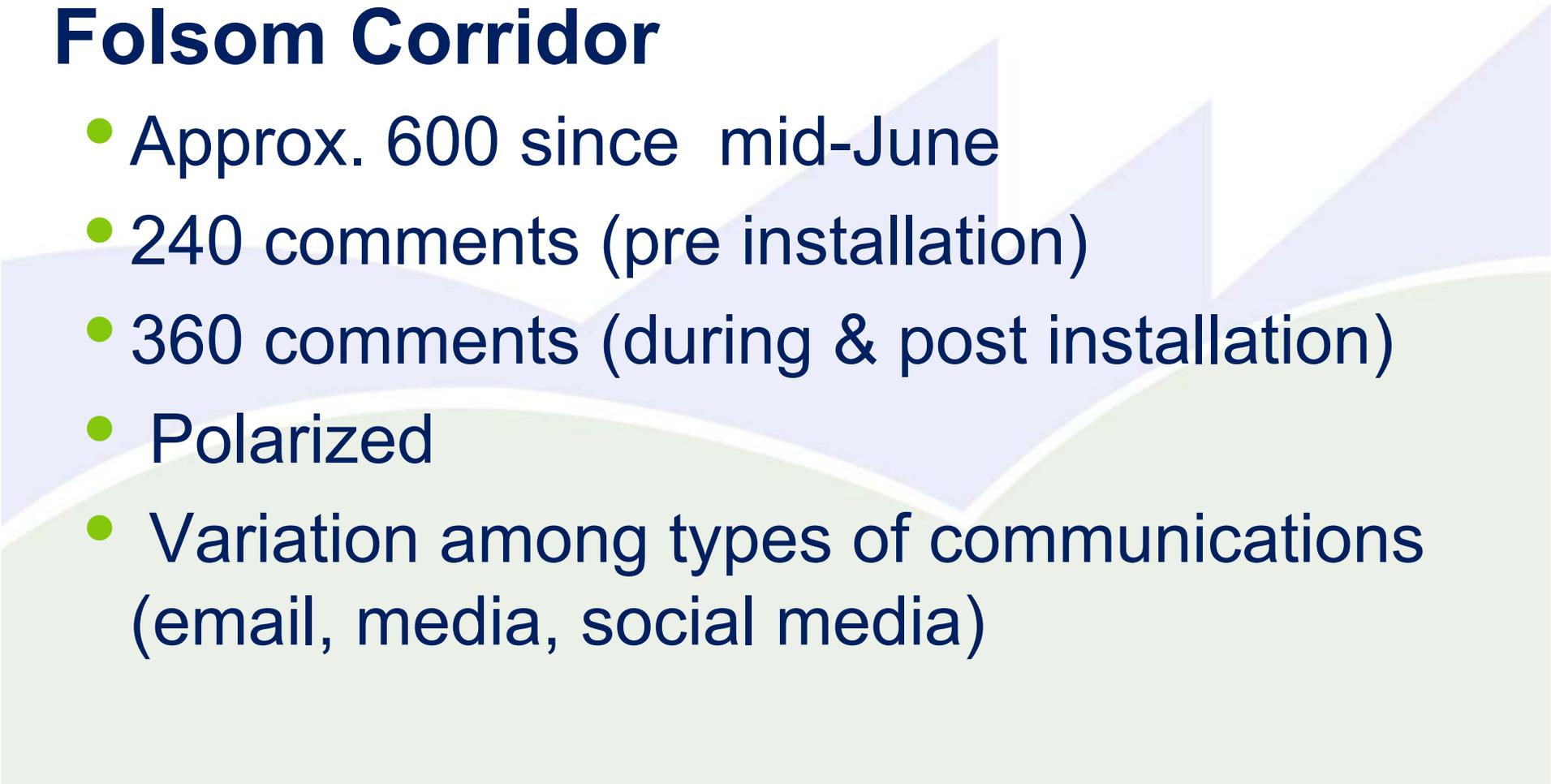
Community Input

- 1300 comments received to-date (Spring through week of August 3rd)
- All corridors
- Comments polarized
- Email, social media, Inspire Boulder, phone, website, meetings



Living Lab – Phase II projects

Folsom Corridor

- Approx. 600 since mid-June
 - 240 comments (pre installation)
 - 360 comments (during & post installation)
 - Polarized
 - Variation among types of communications (email, media, social media)
- 

During/Post-Implementation Folsom Corridor

Comment	Negative	Neutral	Positive	Total
Auto congestion	180	9	2	191
Safety	44	5	121	170
Improvement for cyclists	0	1	59	60
Environmental impacts	18	0	24	42
Communication	15	0	0	15
Cost	7	1	0	8
Access to businesses	6	0	0	6



Living Lab Phase II Folsom Street Preliminary Evaluation





Folsom Street Preliminary Evaluation

- Evaluation Criteria for Weeks 1-2
 - **Volume**
 - Speed
 - **Travel Time**
 - **Safety**
 - Emergency Response
 - **Diverted Traffic**
- **Infographic**

Non-typical Traffic Patterns Week 1

- Pre-Ironman Boulder visitors
- Final installation is on-going
- August 1st student “move in”
- Horizon West lot repaving





Folsom Street Volume and Speed Data



Folsom Volume & Speed (Week 2)

	Folsom	Mo/Yr	Avg Daily Traffic weekday (vpd)	Avg Speed (mph)	85 th Percentile Speed (mph)	Speed Limit
Before	North of Bluff St	April 2015*	15,780	35	39	30
After	North of Bluff St	Aug 2015	13,790	33	37	30
Before	North of Canyon	June 2015	18,970	29	34	30
After	North of Canyon	Aug 2015	15,790	25	30	30

* BVSD and CU was in session

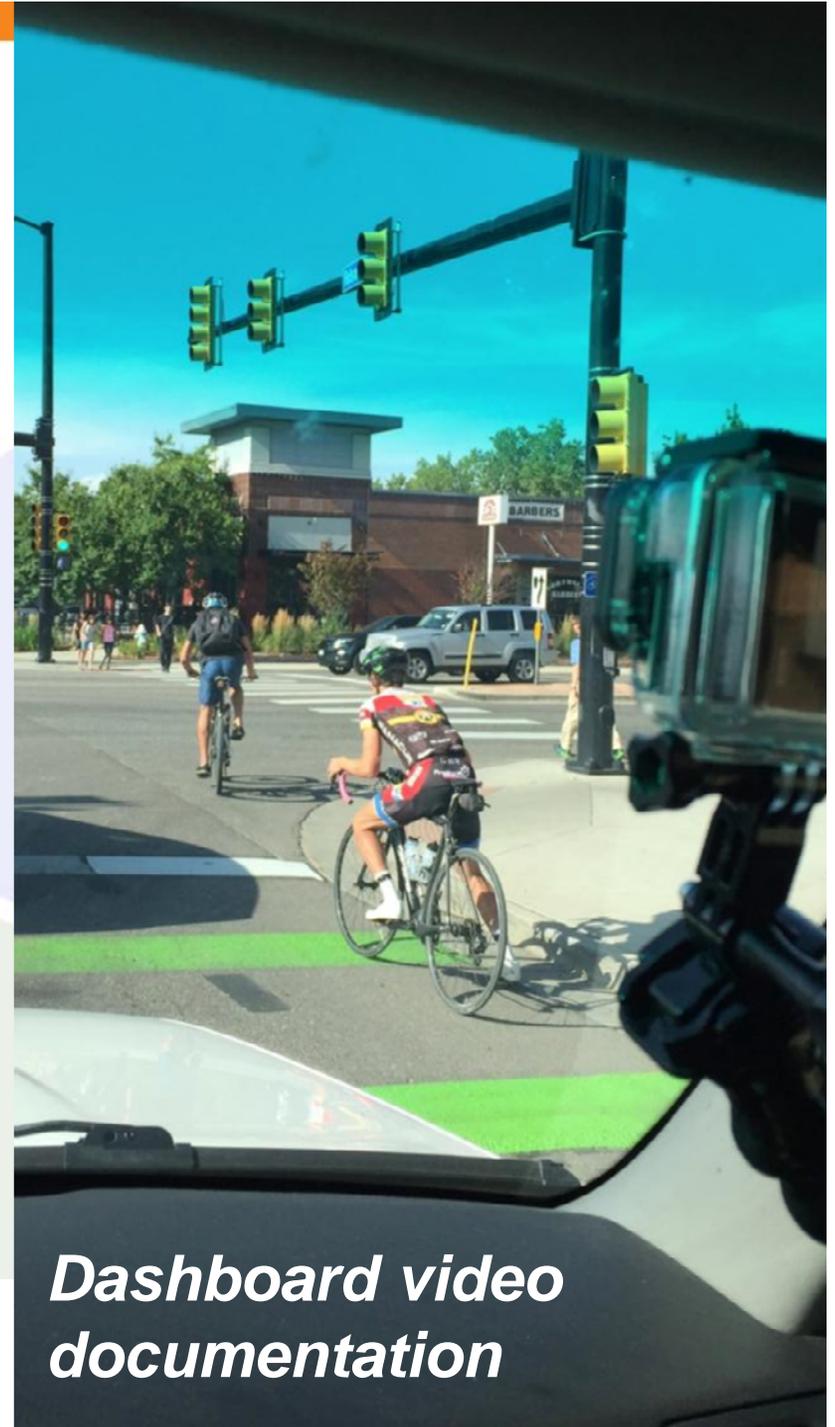


Folsom Street: Preliminary Travel Time Data and Observations



Travel Time Runs

- 65 total runs
 - AM peak times
 - PM peak times
 - Weekday off-peak times
 - Weekend times
- Six data collection days
 - Tuesday, July 28th
 - Wednesday, July 29th
 - Friday, July 31st
 - Saturday, August 1st
 - Monday, August 3rd
 - Tuesday, August 4th



*Dashboard video
documentation*