

Boulder County

Transportation Master Plan (TMP)

Connecting Communities. Planning for the Future.



Public Kick-off Meetings

Sept. 25, 2018- Louisville

Sept. 26, 2018- Longmont

Oct. 4, 2018- Boulder



Agenda

- TMP Update Presentation
- Question and Answer Session
- Open House
 - Visit tables for more detailed questions/discussion
 - Provide comments
 - Complete online survey and webmap



What is the Transportation Master Plan?

- A blueprint for Boulder County's transportation system for the next 25 years.
 - Plan for the future
 - Understand goals of the community
 - Prioritize our transportation investments
- Provide a vision for Boulder County Transportation





Boulder County Comprehensive Plan

Goal 1: Ensure Effective and Efficient Management of the Existing Transportation System

Goal 2: Minimize Environmental Impacts

Goal 3: Ensure Safety for All Modes

Goal 4: Support a Healthy & Sustainable Economy

Goal 5: Ensure Equitable Access to the Transportation System

Goal 6: Enhance County Identity and Community Character



What is in the TMP?

Strategy 1: Develop a Multimodal Transportation System	
Strategy 2: Create the Complete Trip	
Strategy 3: Invest in Key Transportation Corridors	
Strategy 4: Increase Accessibility	
Strategy 5: Enhance Mountain Area Connections	



What will the TMP update include?

- **Update** state of the system data and analysis
- Focus on **regional travel/safety/mobility**
- **Expand analysis to include:**
 - Resiliency
 - Technology
 - Low Stress/Improved Bike-Ped Mobility
 - Family/School/Aging Mobility
 - Affordable Living
 - Performance Metrics
- **Update action item recommendations**
- **Feedback from the public**



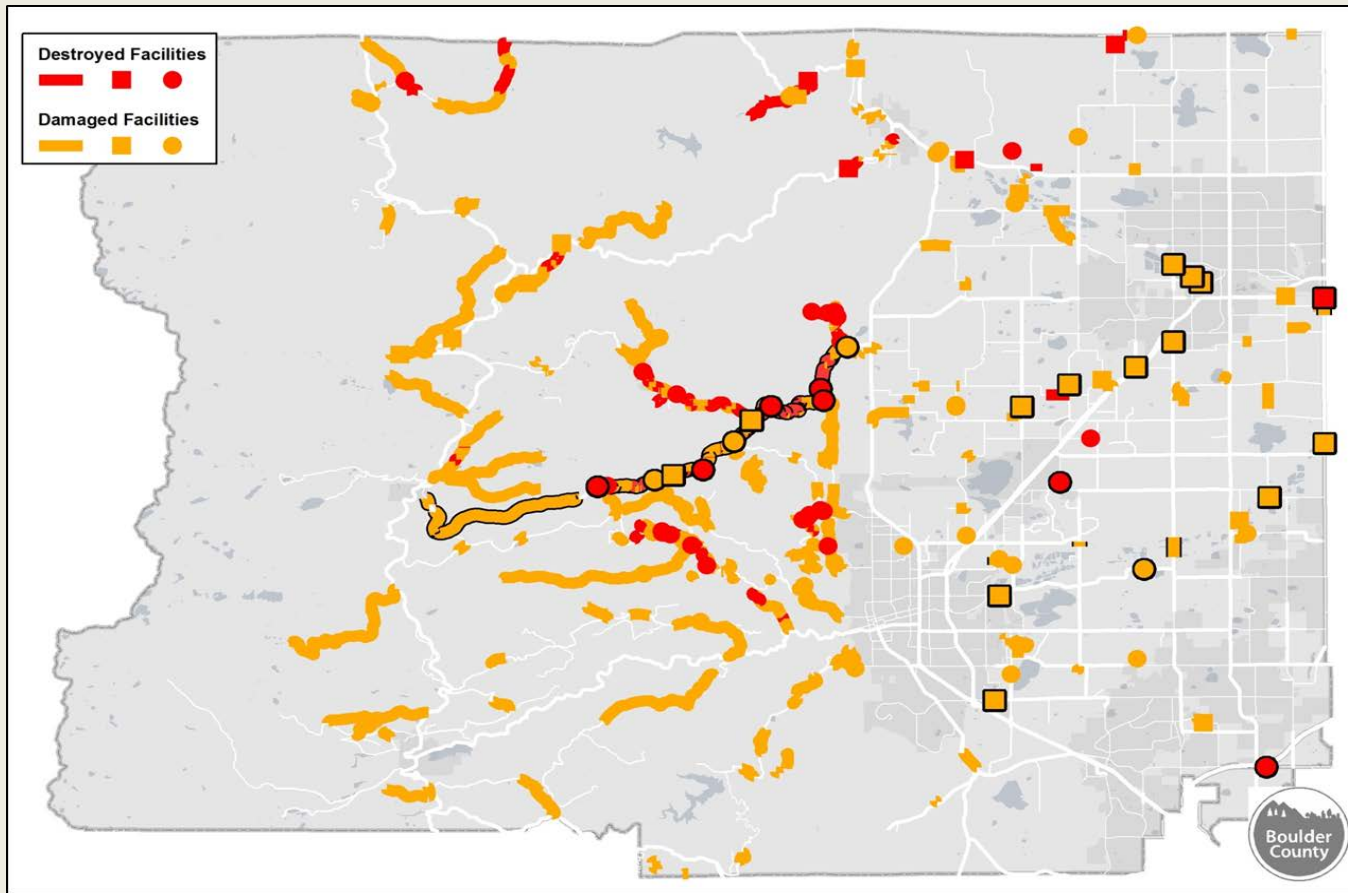


What's Changed Since 2012?

- Completed projects
- Population Growth/Aging Pop.
- Commute patterns/trends
- Cost of Housing/Affordability
- New Technology
- Resiliency-Flood/Economic Recovery
- Additional planning/projects



2013 Flood Repairs/Response



**Damaged &
Destroyed
Transportation
Infrastructure**



Major Flood Recovery Construction Projects

- Apple Valley Road – COMPLETE
- N. 83rd over Little Thompson/Watershed – COMPLETE
- Raymond Riverside - COMPLETE
- Old S. St. Vrain - COMPLETE
- 61st/63rd over St. Vrain – COMPLETE
- James Canyon Drive & James Creek /Wateshed– COMPLETE
- East County Line @ Boulder Creek - COMPLETE
- Wagonwheel Gap Road /Watershed– Underway
- Nimbus Road – COMPLETE
- 71st Street - COMPLETE
- Gold Run Road/Watershed – COMPLETE
- Logan Mill Road – Underway
- Upper Fourmile Canyon Drive/Watershed – Underway
- Lower Fourmile Canyon Drive - Underway
- Dillon Road – COMPLETE
- Lefthand Canyon – COMPLETE
- Pinebrook Hills – COMPLETE
- Flagstaff – COMPLETE
- ECL over St. Vrain – COMPLETE
- Sugarloaf/SH119 - Design





Recent Planning Efforts

Regional/Area Plans

- Northern Area Mobility Study (NAMS)
- Boulder County Comprehensive Plan
- Boulder Valley Comprehensive Plan
- City of Boulder TMP/Update (Underway)
- City of Boulder Transportation Delivery Option Study (Underway)
- Envision Longmont
- Erie Transportation Plan
- Lyons Master Plan Update
- Louisville TMP (Underway)
- DRCOG 2040 Plan Update
- Boulder County Mobility for All Needs Assessment
- Boulder County Resiliency Plan (Underway)

Project/Corridor Planning

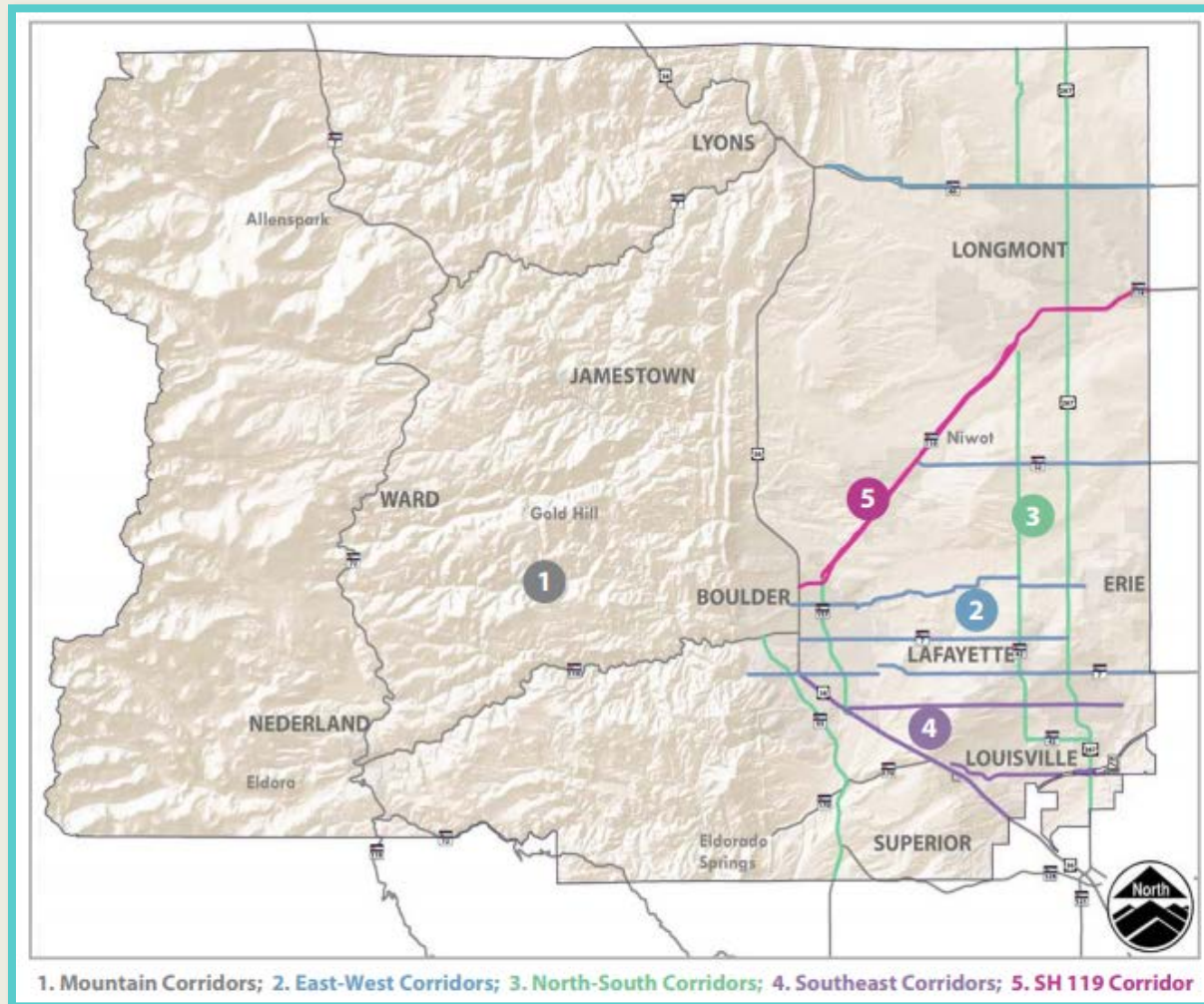
- Lafayette/SBR/120th
- Louisville/SH42/95th
- SH7
 - Brighton - SH287
 - SH287 - 75th
 - East Arapahoe Plan (City of Boulder)
 - BRT Feasibility Study
- SH119
 - BRT NEPA/Design
- SH93/Westconnect/PEL
- SH66 PEL (underway)
- NWR Peak Service Planning





Strategy 3:

Invest in Key Transportation Corridors



Northwest Area BRT Program

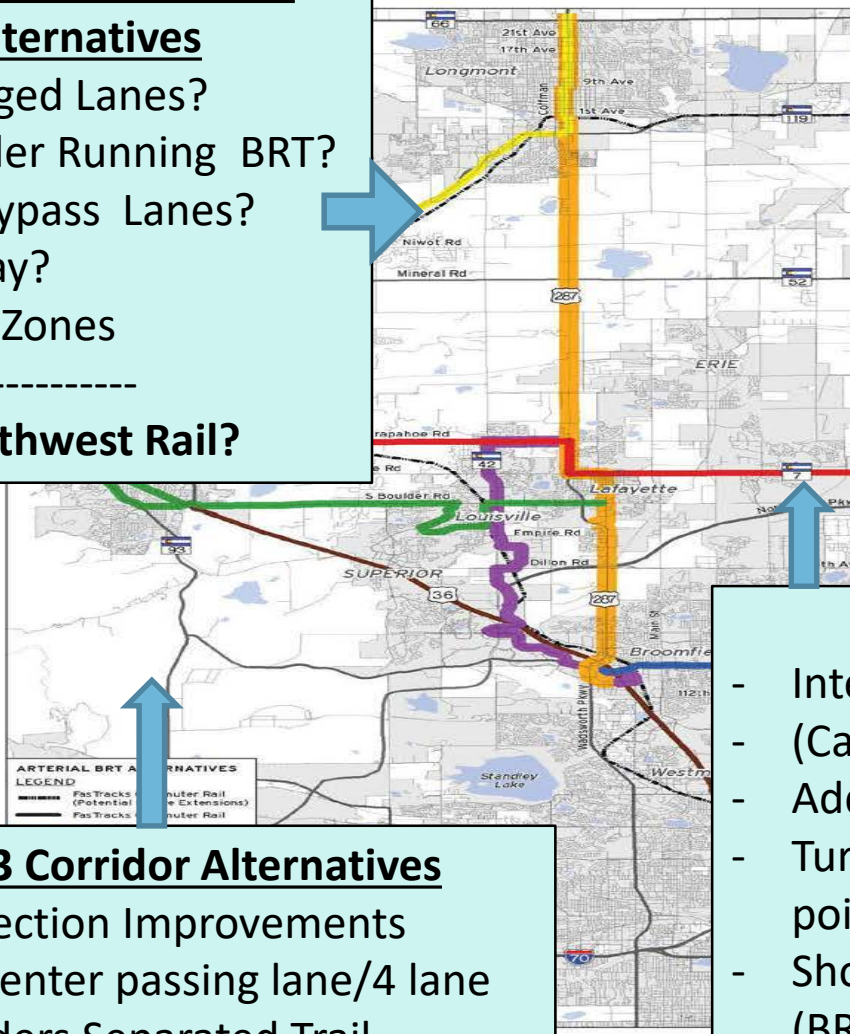
SH119 Corridor Study

Alternatives

- Managed Lanes?
- Shoulder Running BRT?
- BRT Bypass Lanes?
- Bikeway?
- Quiet Zones

Northwest Rail?

Arterial BRT Corridors



Other Studies

- East County Line Road
- Shoulders/Reconstruction
- RTD/UP Regional Trail
- Boulder – Erie Master Plan
- SH66 Planning Study
(CDOT Lead)
- South Boulder Road/120th
(Lafayette Lead)
- SH42/95th
(Louisville Lead)

SH93 Corridor Alternatives

- Intersection Improvements
- New center passing lane/4 lane
- Shoulders Separated Trail

SH7 Corridor Alternatives

- Intersection Imp. @ 95th, SH287, 120th
- (Capacity/Queue Jumps/Bike-Ped Safety)
- Additional lanes in urban sections
- Turn lane/pockets for small access points
- Shoulders for Managed Lanes (BRT/bikes/HOV/Other?)
- Separated Trail?

Changed Travel Patterns

- Eastern Population Growth
- Central County Emp. Growth
- Cost of Living

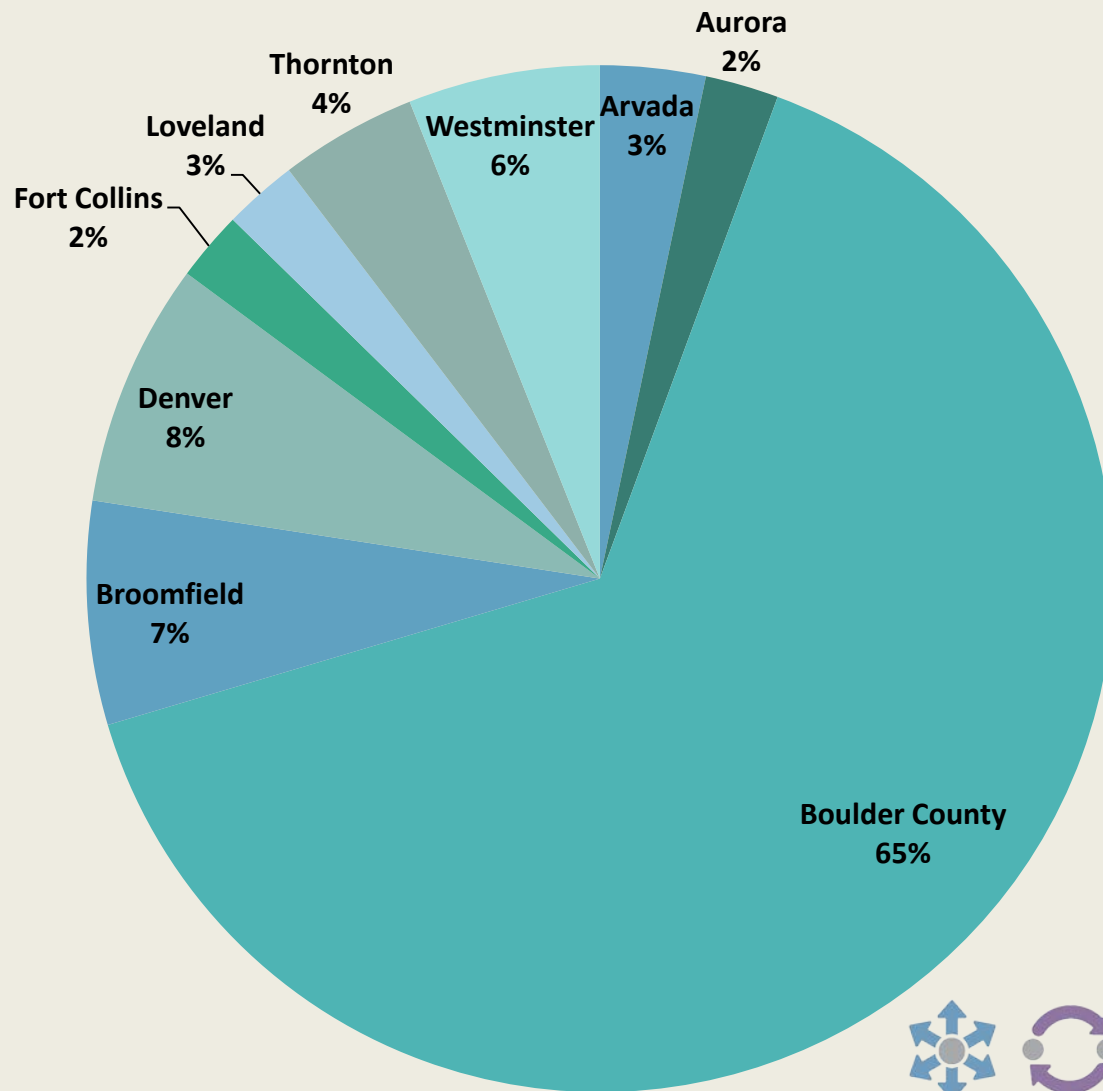
Implications for

- Affordable Living
 - (Housing \$/Commute \$/Time)
- Equity?
- Diversity?
- Sustainability?
- Community?

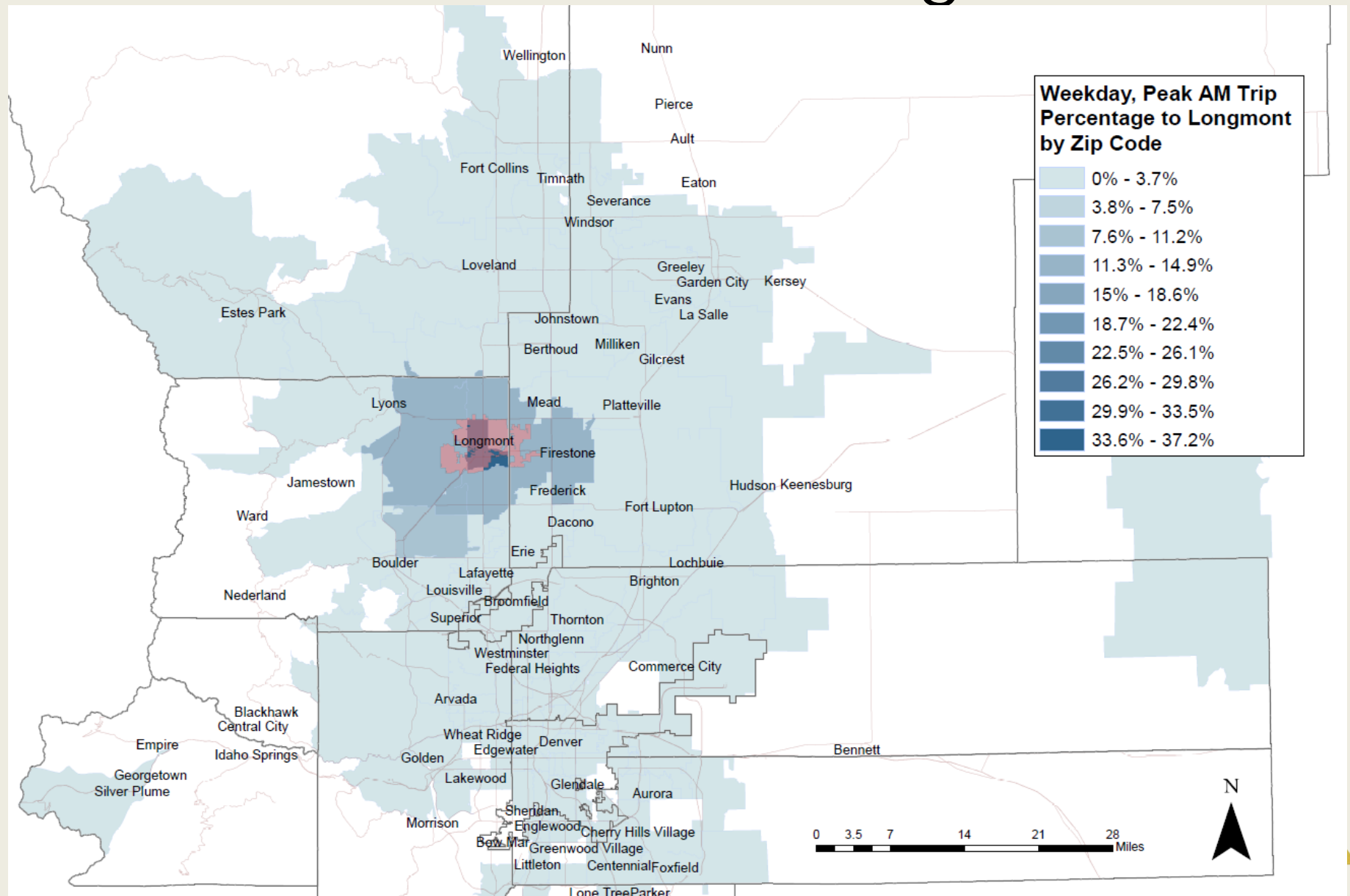


Changed Travel Patterns

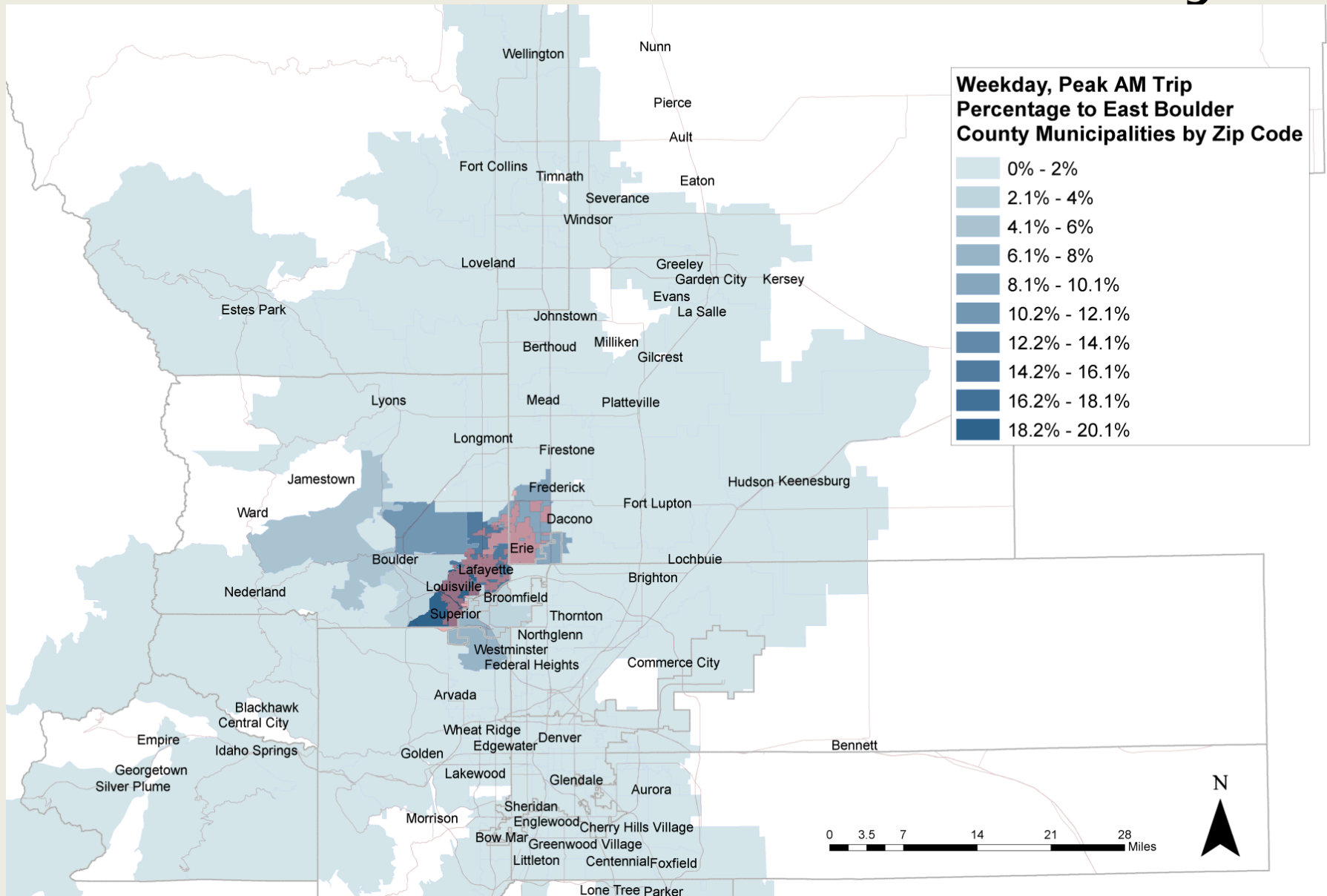
Top 15 Home Locations of Employees in Boulder County



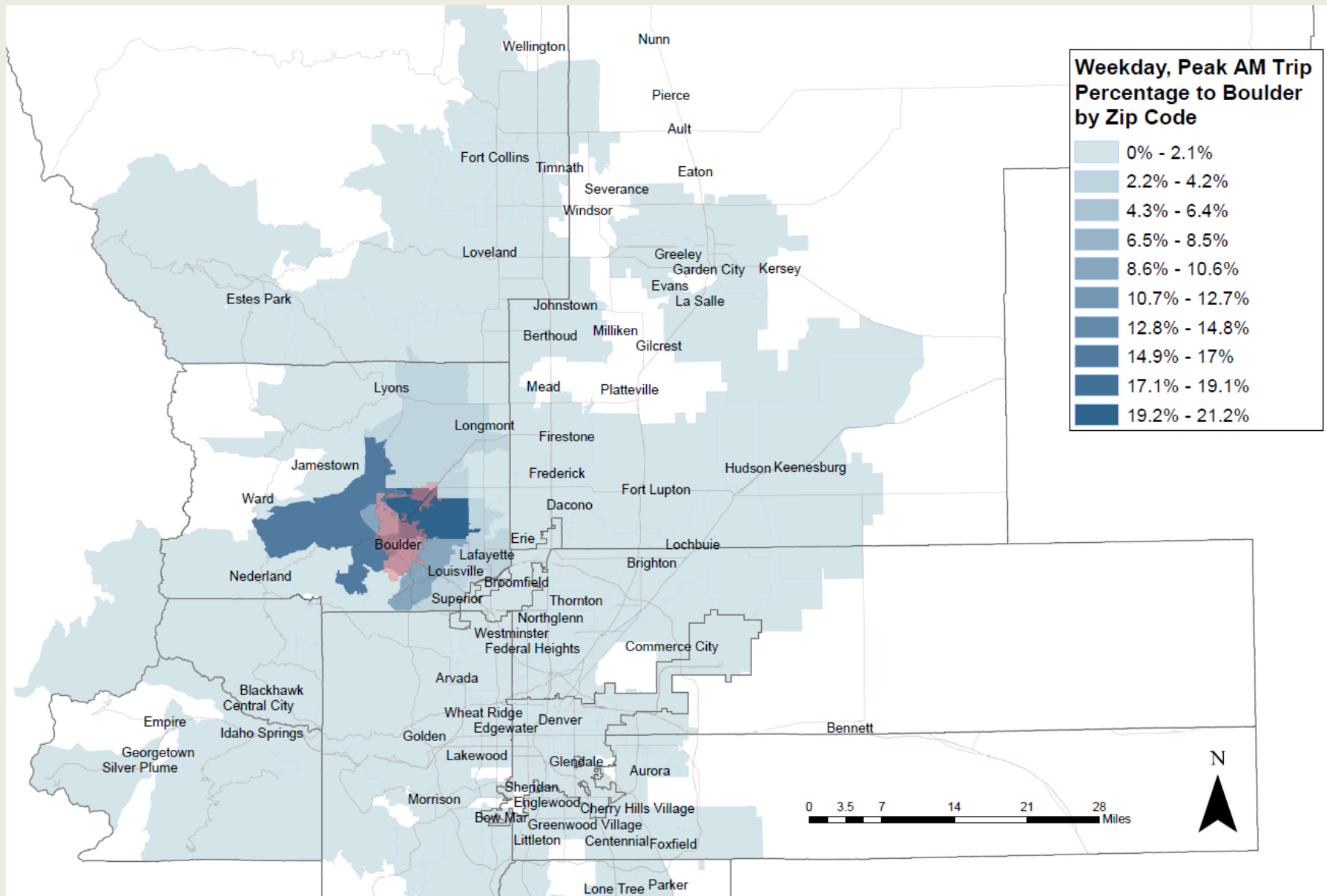
Travel Patterns- Longmont



Travel Patterns- Eastern County



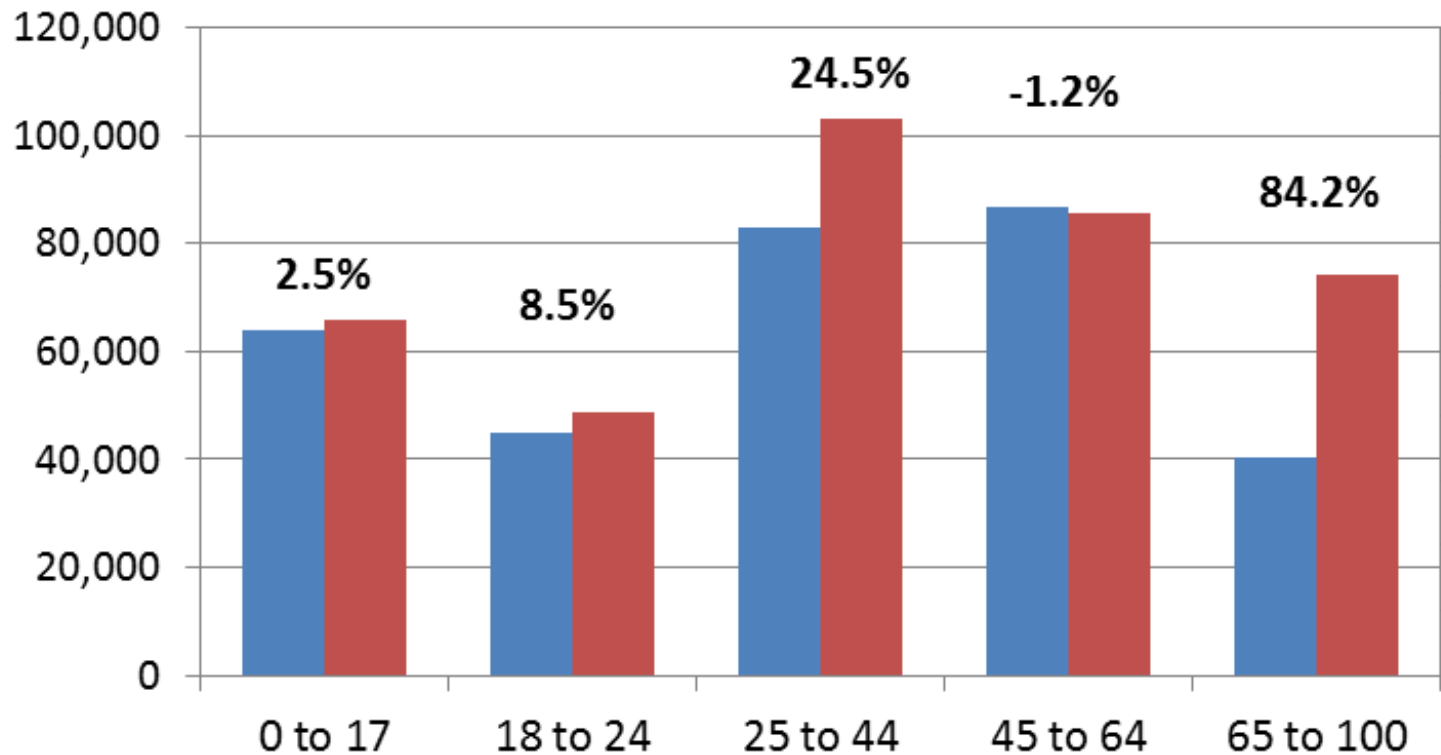
Travel Patterns- Boulder



Aging Population

Boulder County Age Forecast

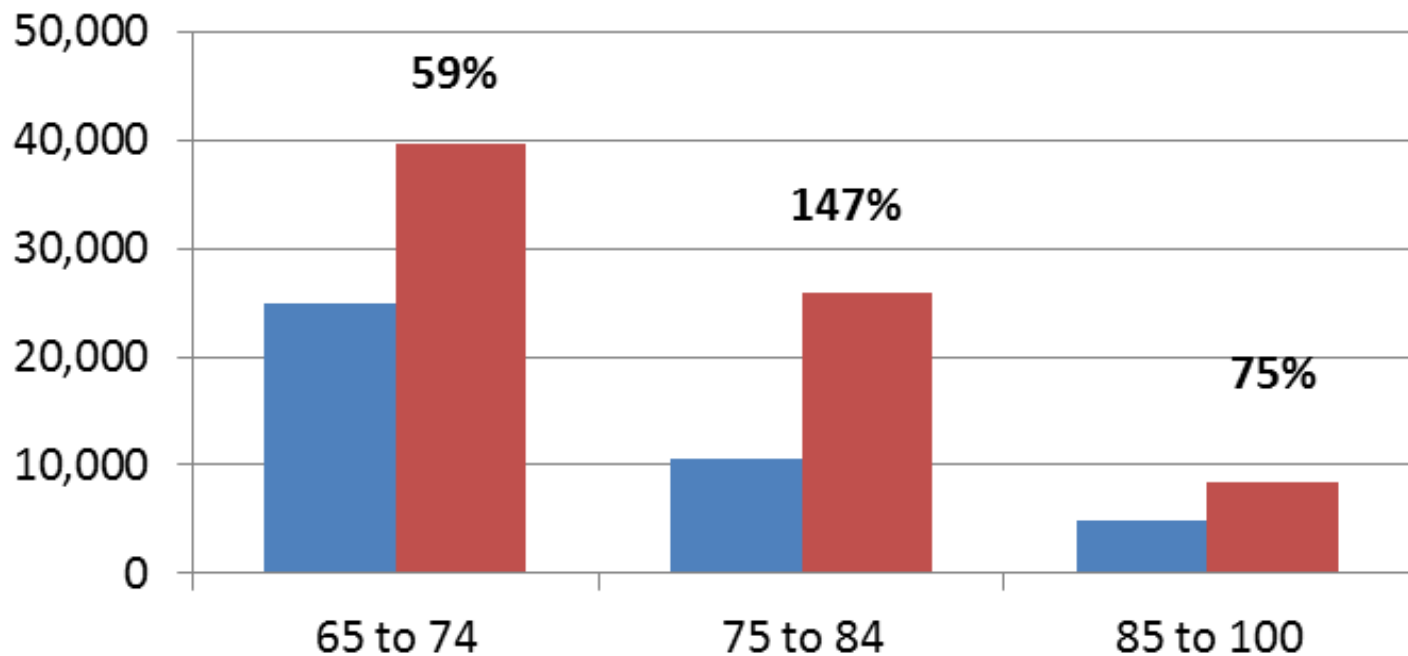
■ 2015 ■ 2030



Aging Population

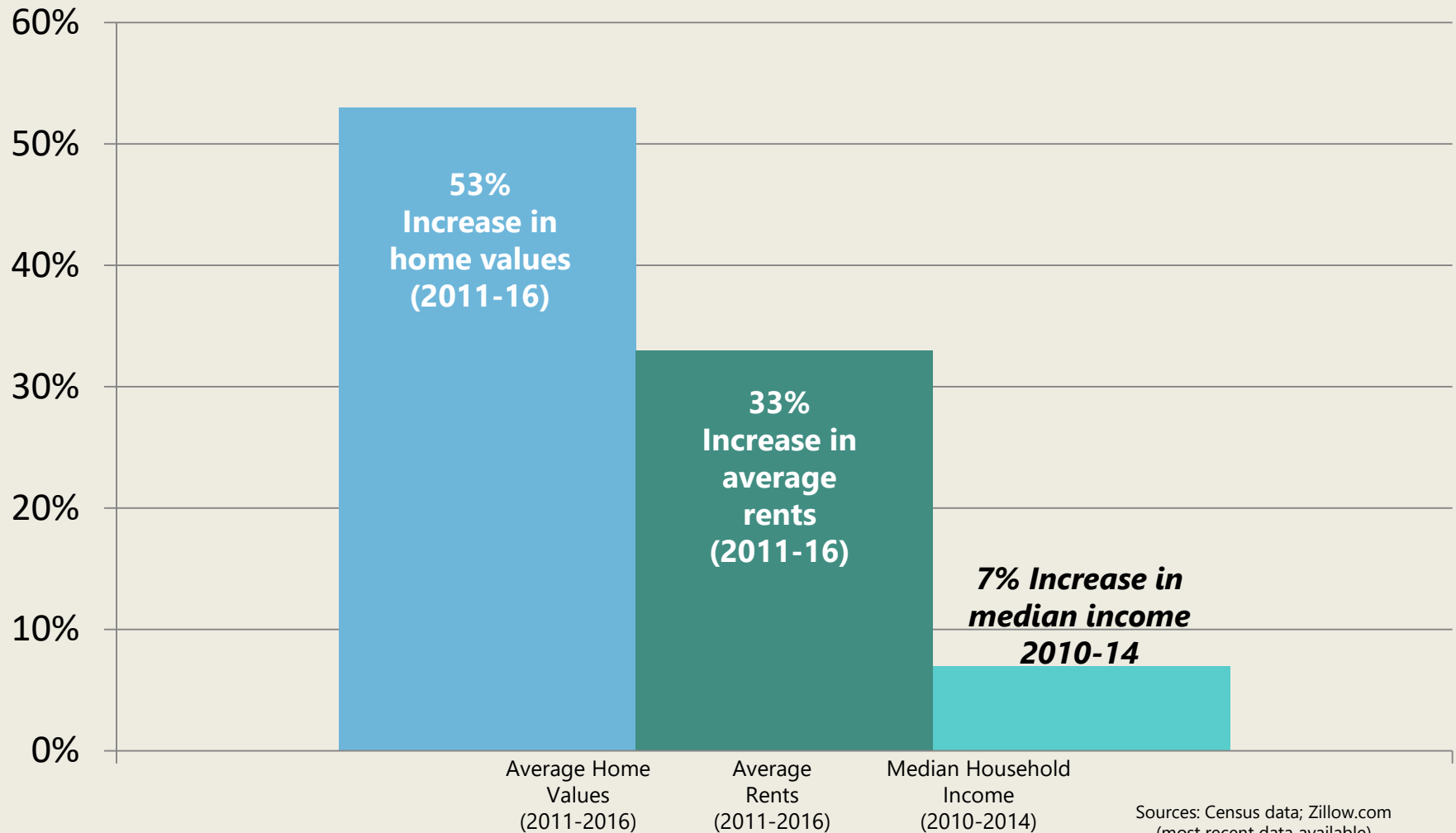
Boulder County Age Forecast for 65+

■ 2015 ■ 2030



Affordable Living

Growth in Housing Costs vs. Growth in Income Boulder County



Affordable Living

Average Home Sales Prices Dec. 2010 – Aug. 2017

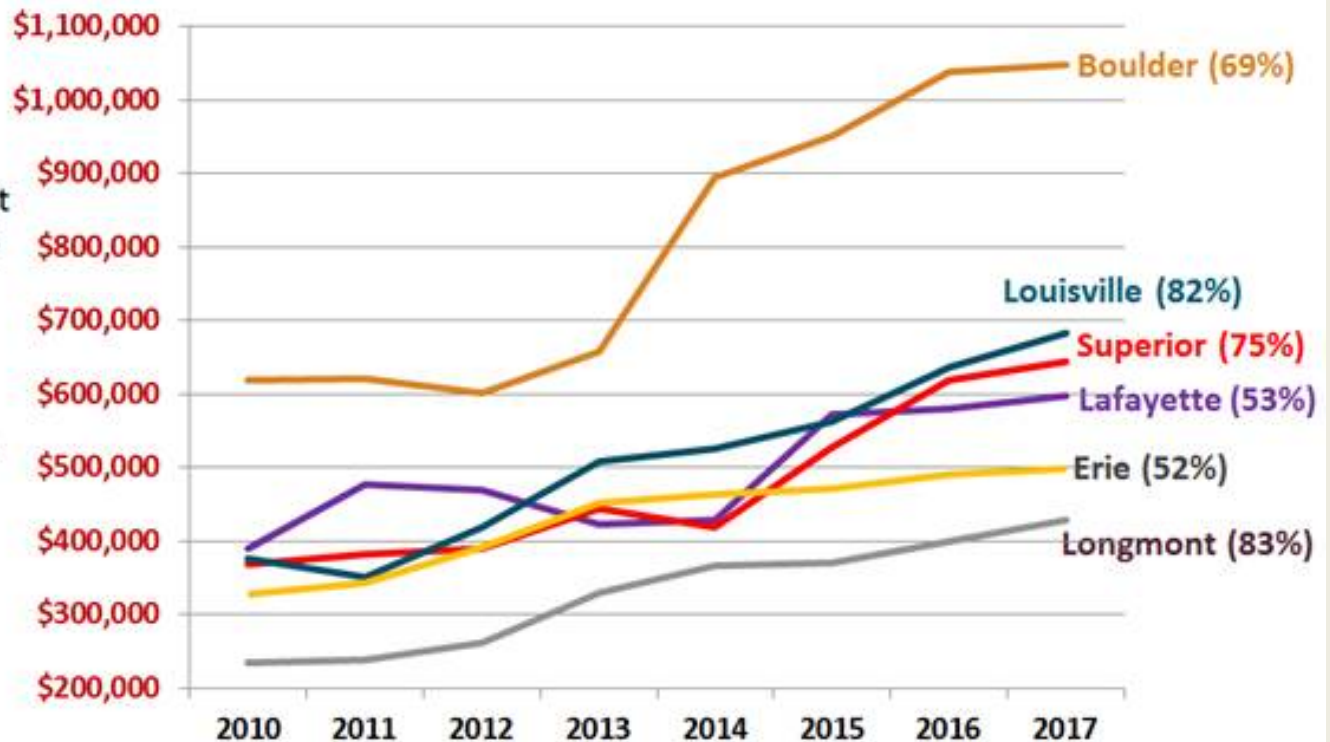
63%

Boulder County
Housing Stock Valued at
Greater than \$300,000

83%

Increase in Longmont
Average
Home Sale Prices

Source: Boulder Area
Realtors Association



Source: Graphic taken from Boulder County Affordable Housing Draft Plan



Severe Crashes in Unincorporated Boulder County & Mountain Towns, 2006-2015, by 1-mile segments



New Technology Mobility Options

- Autonomous/Smart Vehicles
- Electric Cars/Trucks/Bikes
- Microtransit (Bridj, chariot)
- Dockless bike sharing
- Ride sharing (uber/lyft)



Source: <https://mobilitylab.org/2018/04/25/first-mile-may-be-code-for-whitewashing-by-microtransit-companies/>



Technology Questions

- How can we ensure equity with rapidly changing technology?
- How will new technologies impact:
 - Infrastructure design and maintenance?
 - Transit ridership/service?
 - Congestion?
 - Mobility for elderly/youth?
 - Revenue?



Resiliency

- Study funded to identify ways we can improve the resiliency of the transportation system.
- What have we learned from the 2013 flood/fires/economic downturn?



Funding

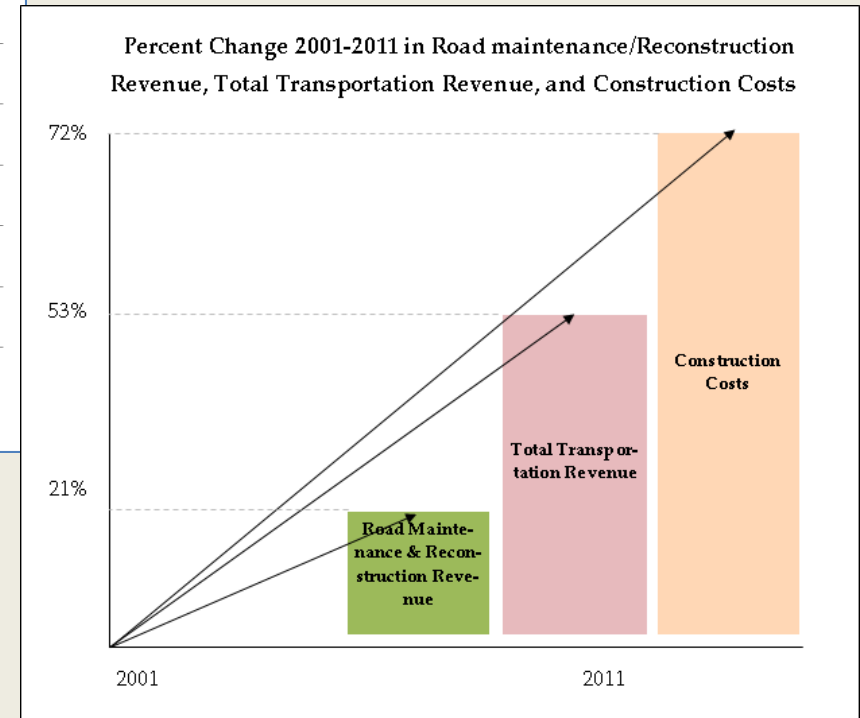
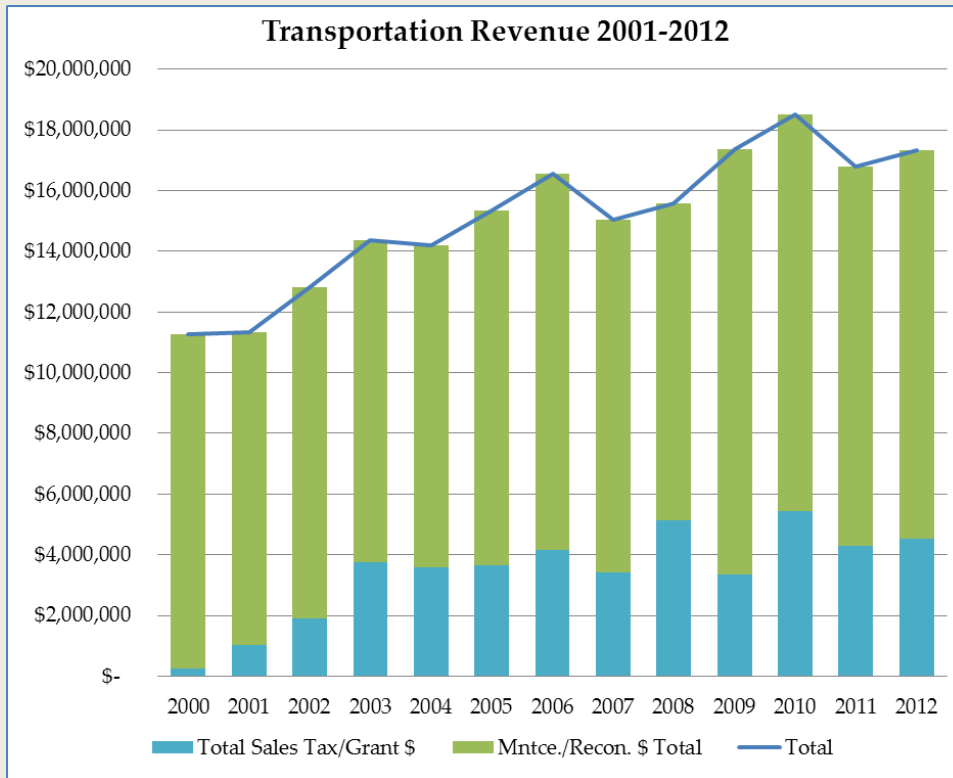
Revenue

- **Gas Tax: Flat/small increase**
 - ▶ No increase in rate since 1992
 - ▶ Fuel Efficiency means less consumption
 - ▶ Pop. and Driving have increased significantly
- **.01% Sales Tax**
 - ▶ Dedicated to specific projects
 - ▶ 3-5% annual increase/expires in 2024
- **Specific Ownership Tax (Auto regis. Fee)**
 - ▶ Small increase/variable depends on car sales
- **Property Tax: Small portion of revenue**
 - ▶ Must be shared with cities

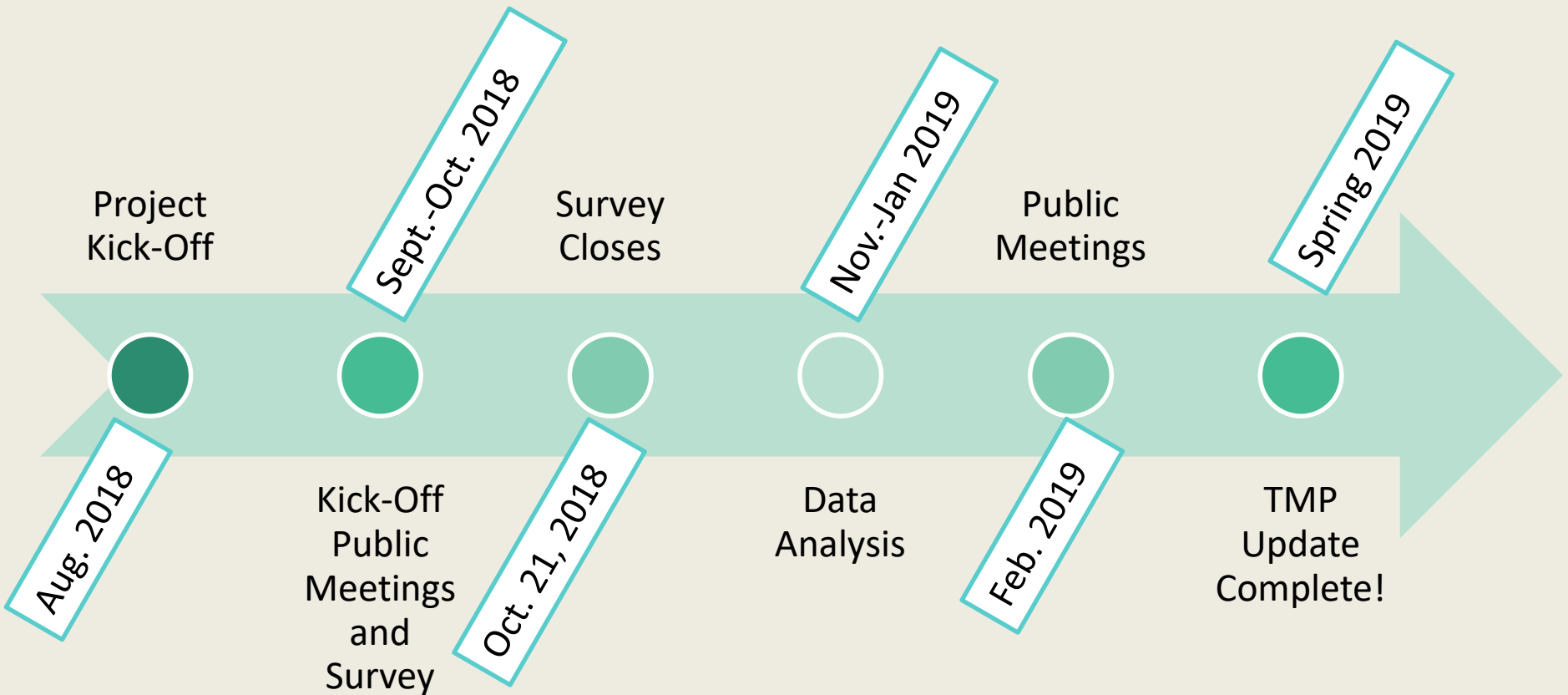
**Average Cost of Construction Inflation approx.
5%/year**



Uncertain Future



TMP Update Schedule Overview



We Need Your Input!

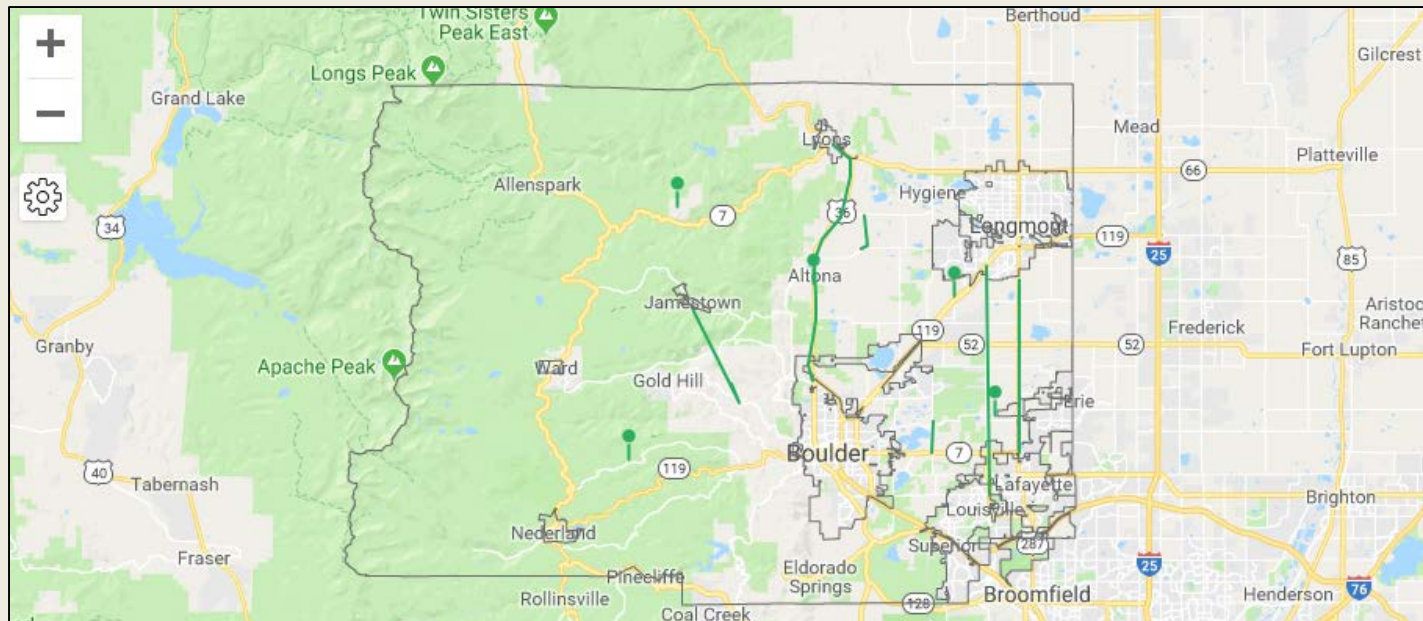
- What is working well?
- What needs improvement?
- Are there specific problems that you have identified?
- What do you think is most important given limited funding?
- What do you envision for the future of transportation in Boulder County?



Community Survey

- www.BoCoTMP.com
- Online Survey
 - Interactive Map
- Share the survey!
 - Will be open through October 21st

Over 1,000 people have responded to the survey and we have received over 500 comments on the web map.



Thank You!

Thank you for attending tonight and providing your input!



Questions?

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