

## **Boulder County Local Coordinating Council Meeting**

Monday, Sep 11, 2017

Via Mobility Services, 2855 N. 63<sup>rd</sup> St. Boulder

2-3:30 p.m.

*Vision: Promote and provide efficient, accessible, affordable, seamless, equitable, responsive, and easy to arrange transportation options for Boulder County residents through coordination and collaboration between service providers.*

### **AGENDA**

#### **I. Welcome & Introductions**

#### **II. Presentation M4A MURP Presentation (15 min)**

#### **III. Presentation East Arapahoe Transportation Plan (15 min)**

#### **IV. Boulder County Update**

- a. RTD Pass Working Group (10 min)
- b. TNC Pilot Project at Aspinwall/Josephine Commons (5 min)
- c. Passenger Interviews, Spanish Language Review (5 min)
- d. LCC eNewsletter/Agenda (5 min)

#### **V. LCC Member Updates (15 min)**

#### **VI. LCC Project Working Groups (20 min)**

- a. Volunteer Driver
- b. Advocacy Priorities

#### **VII. Conclusion**

- a. Next meeting: Monday, October 9, 2017 2:00-3:30 pm
  - i. Guest Speaker, Michael Washington, RTD Transit Equity Manager

Boulder County Local Coordination Council

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### **September BoCo LCC Minutes**

#### **I. Attendees:**

Scott McCarey	Boulder County Transportation
Liz Fuselier	Boulder County Housing + Transportation
Leslie Gibson	Boulder County Housing Authority
Rebecca Lawrence	Peak to Peak Human Services Task Force
Bob D'Alessandro	Via Mobility Services
Laura Mathews	Boulder County Area Agency on Aging
Kate Williams	Denver Regional Mobility & Access Council
Sue Prant	Community Cycles
Eden Mayne	City of Boulder Senior Services Manager
Jean Sanson	City of Boulder GO Boulder
Michele Waite	City of Longmont Senior Services
Sandy Stewart	OUR Center
Tim Beal	Boulder Housing Partners
Angel Bond	Boulder County Mobility for All

#### **II. Presentation M4A MURP Presentation**

Scott McCarey gave a presentation on a CU Master of Urban and Regional Planning Capstone Project that was conducted by Nate Silverstein, Spring 2017, Boulder County Mobility for All: Low-Income Transportation Assessment, which prioritized areas of multimodal transportation improvement in Boulder County. The presentation and prioritization list are attached. For a copy of the full assessment and access to the GIS files, please contact Angel Bond, [MobilityforAll@bouldercounty.org](mailto:MobilityforAll@bouldercounty.org).

#### **III. Presentation East Arapahoe Transportation Plan**

Jean Sanson gave a presentation on the East Arapahoe Transportation Plan, which is in the Community Outreach and Refinement of Alternatives phase of the project. The presentation is attached. Please provide feedback on the four alternatives by Nov 15 to Jean Sanson, [SansoJ@bouldercolorado.gov](mailto:SansoJ@bouldercolorado.gov).

#### **IV. Boulder County Update**

- a. *RTD Pass Working Group:* Scott McCarey gave an update on three program options currently being discussed by the RTD Pass Working Group. LCC Members expressed the desire to provide input on how the options would impact

older adults, people with disabilities, and households with low incomes. LCC Members would like to invite speakers to attend the Pass Working Group Meetings to give a more personal perspective on transportation challenges facing our clients, in addition to writing a letter. We should develop an LCC Letterhead to give more weight to advocacy efforts in the future.

- b. *Mobility on Demand Pilot Project at Aspinwall/Josephine Commons*: Angel Bond informed LCC Members of a Mobility on Demand pilot project currently being planned to overcome transportation challenges facing BCHA residents at Aspinwall/Josephine Commons. Laura Mathews and Tim Beal requested meeting to discuss the pilot project Scope of Work more in depth.
- c. *Passenger Interviews, Spanish Language Review*: Bob D'Alessandro and Tim Beal volunteered to ask their Spanish-speaking coworkers to review transportation interviews, which were recorded Fall 2016. The goal of the communications campaign is to show the human aspects of transportation and underscore the importance of transportation as a basic social and economic need.
- d. *LCC eNewsletter/Agenda*: A new MailChimp format of the LCC Agenda was proposed. LCC Members thought that it was important to include community events in the eNewsletter in addition to the LCC Member events. PDF versions of the eNewsletter will be posted on the BoCo LCC webpage once M4A is able to make some changes to the program webpage. DRMAC would like the updated webpage URL when it becomes available. The City of Boulder is open to posting the eNewsletter on their Twitter profile. Sample eNewsletter is attached.

**V. LCC Member Updates:**

- a. DRMAC has updated 2017 Getting There Guides
- b. BoCo AAA will hold the 2017 Age Well Conference on Nov 3, 2017

**VI. LCC Project Working Groups**

- a. *Volunteer Driver Program*: Lisa Bitzer, Bob D'Alessandro, and Angel Bond will meet to discuss possibly placing a Via volunteer driver vehicle at BCHA site Josephine Commons.
- b. *Advocacy Priorities*: Laura Mathews, Tim Beal, and Angel Bond will meet to discuss BoCo LCC advocacy priorities.

**VII. Conclusion**

- a. Next meeting: Monday, October 9, 2017, 2:00-3:30 pm
  - i. Guest Speaker, Michael Washington, RTD Transit Equity Manager

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# BOULDER COUNTY MOBILITY FOR ALL: LOW-INCOME TRANSPORTATION ASSESSMENT

**NATE SILVERSTEIN**

**MAY 11, 2017**



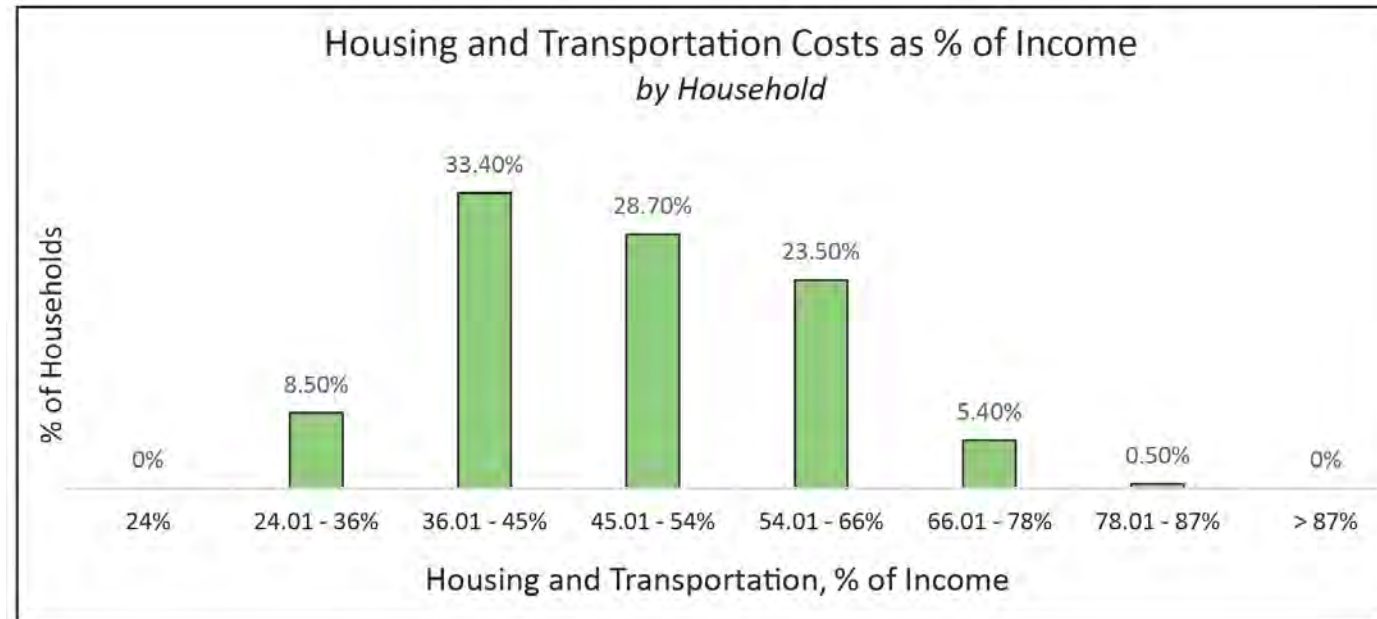
Master of Urban and Regional Planning

COLLEGE OF ARCHITECTURE AND PLANNING

UNIVERSITY OF COLORADO **DENVER**

# BACKGROUND AND PROBLEM STATEMENT

- No more than 45% of income on housing and transportation combined
- Average household In Boulder County spends 49%
- Rising housing costs elevate importance of alternative transportation options
- **Access to alternative transportation options can enhance economic resiliency**



# OBJECTIVES: RESEARCH QUESTIONS

## **Objective**

Locate and analyze transportation options available to low-income areas in Boulder County.

## **Research Questions**

1. What low-income areas within Boulder County are the least connected to alternative transportation options?
2. Which areas should be prioritized first for improvement?

# OBJECTIVES: PROJECT APPROACH

1. Identify low-income areas within Boulder County
  - a) Block groups earning less than or equal to 30%, 60%, or 80% area median income (AMI)
  - b) Low-income housing sites within Boulder County
2. Identify Alternative Transportation Options
3. Identify Low-Income areas without access to alternative transportation options
4. Prioritize areas for improvement



# 1. A) IDENTIFY LOW-INCOME BLOCK GROUPS

Area Median Income	
30%	\$21,288.30
60%	\$42,576.60
80%	\$56,768.80

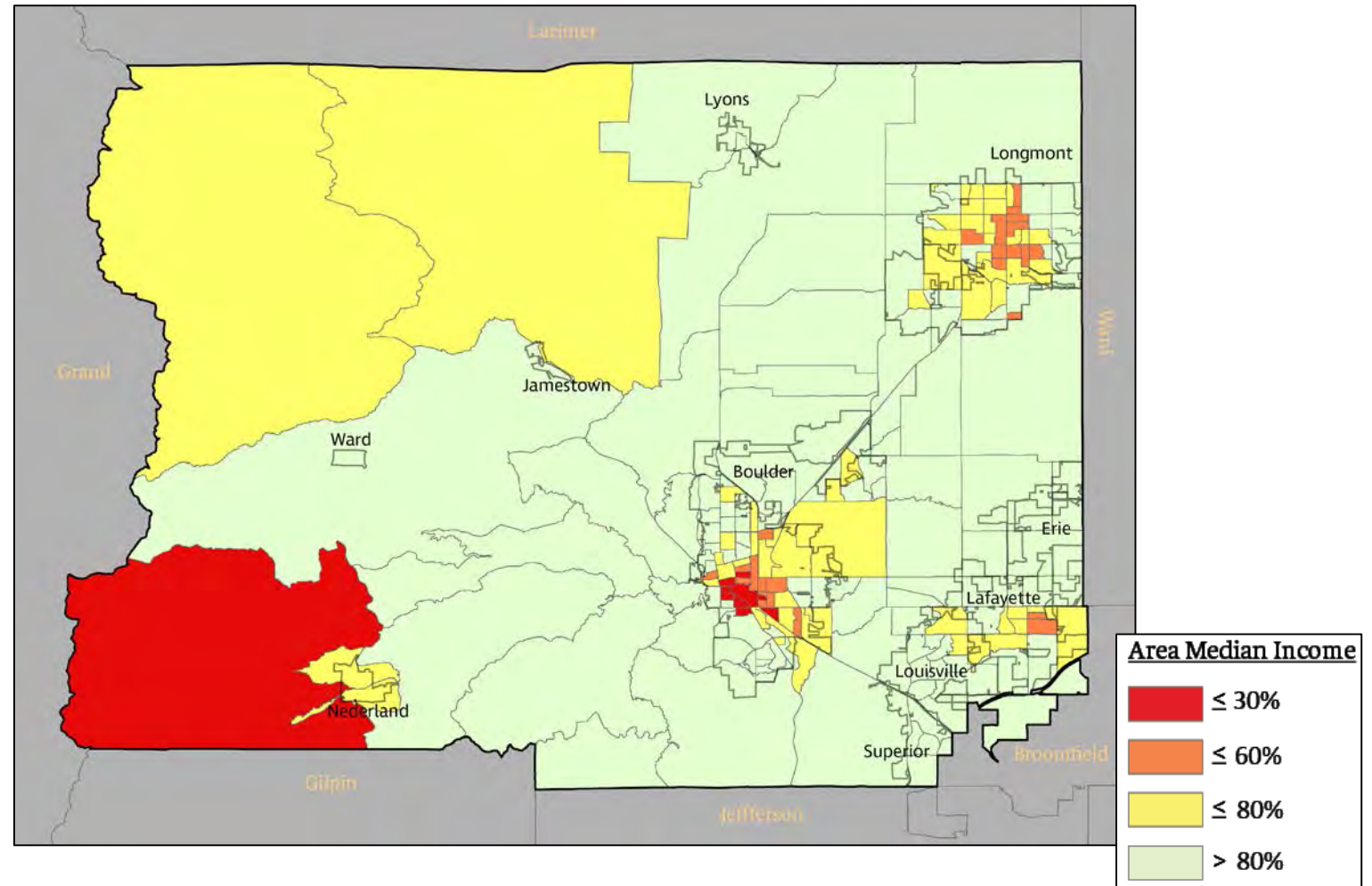
County Median: \$70,961

## Total: of 91 Block Groups Under AMI

10 block groups in 30%

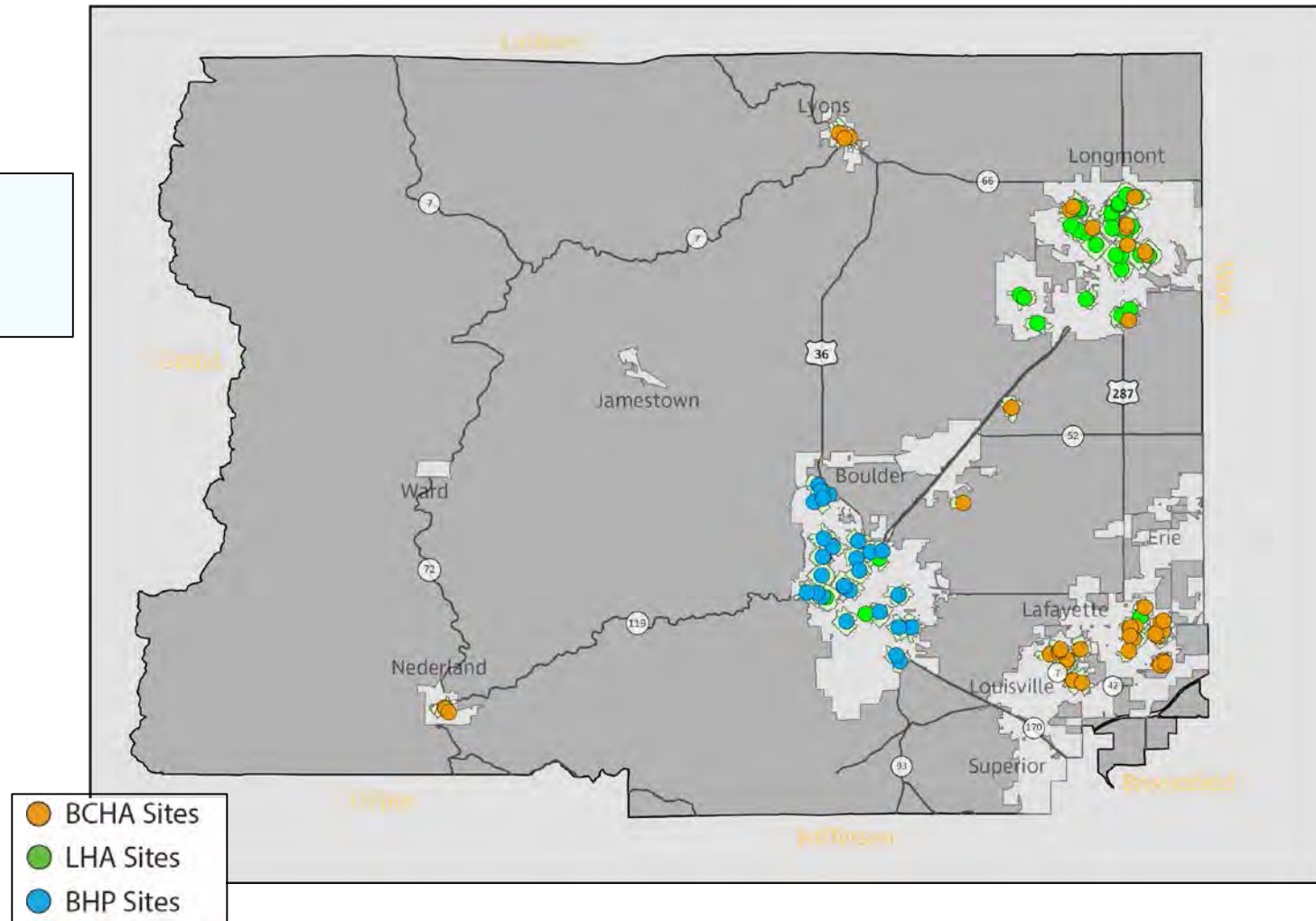
25 block groups in 60%

56 block groups in 80%



# 1. B). IDENTIFY SUBSIDIZED HOUSING SITES

108 Housing Sites  
Ranging in size from 1 to 388 Units  
(Clover Basin Apartments, Longmont)



## 2. ALTERNATIVE TRANSPORTATION OPTIONS

### ➤ Bicycle Facilities

- Bike Lanes
- B-Cycle Stations

### ➤ Pedestrian Facilities

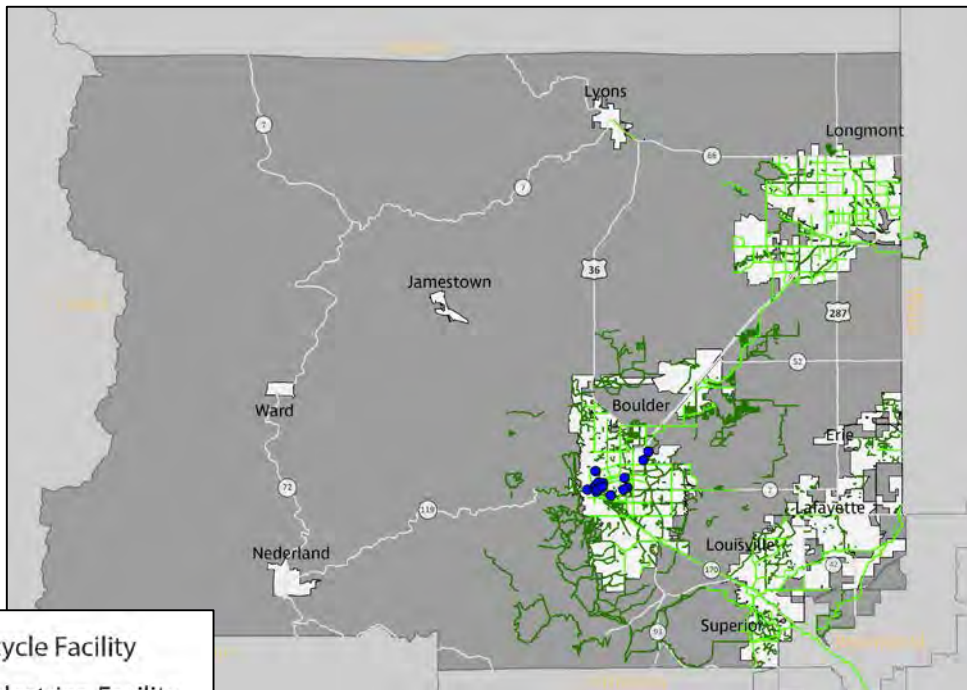
- Multi-Use path
- Sidewalks

### ➤ Public Transportation

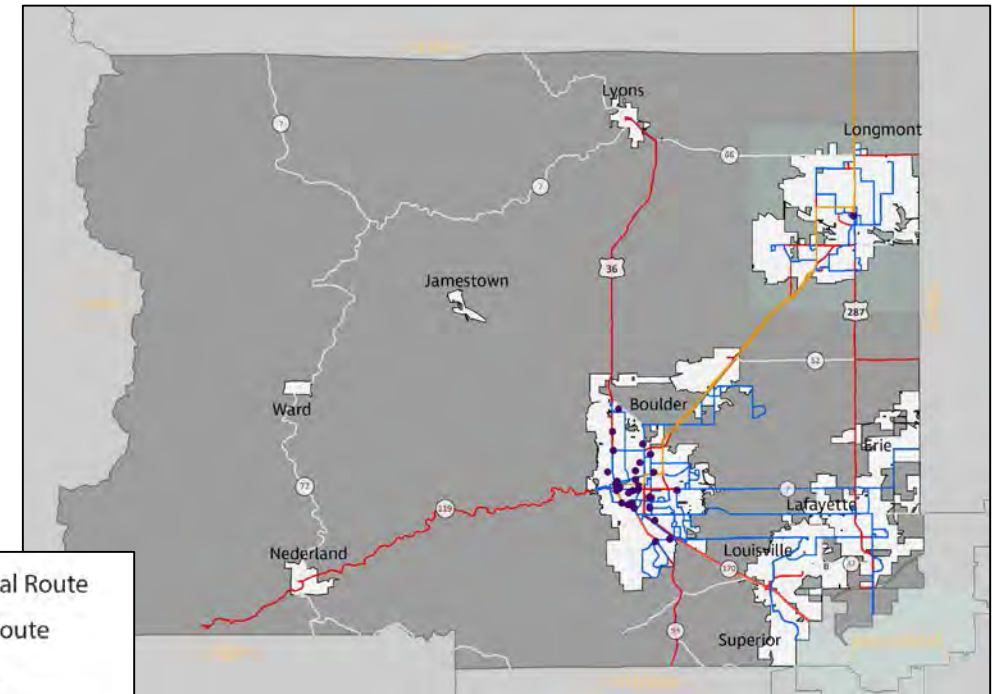
- RTD Bus Stops
- FLEX Bus Stops
- Call-n-Ride Service Areas

### ➤ Car Share

- eGo Car Share Locations



- Bicycle Facility
- Pedestrian Facility
- B-Cycle Station

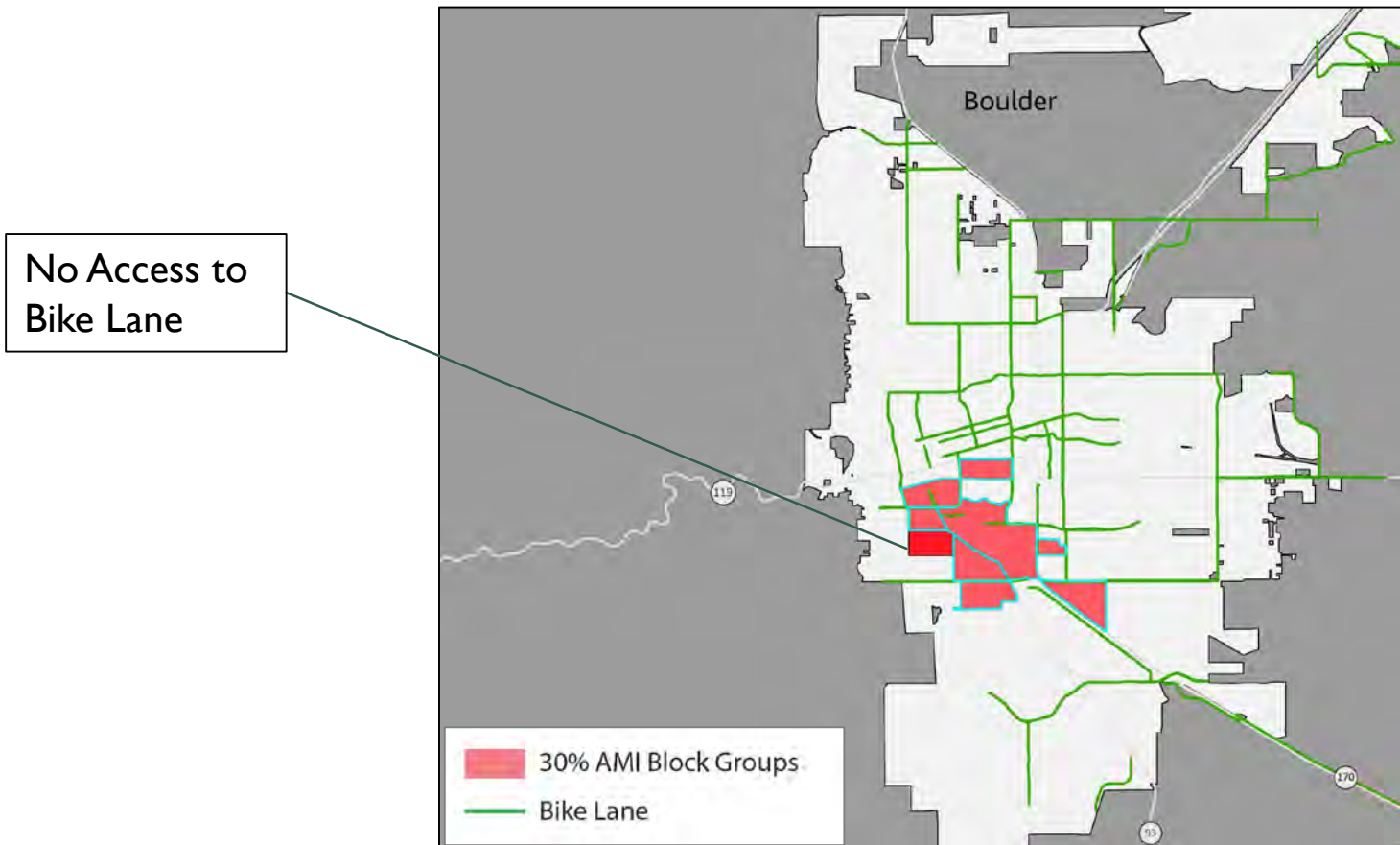


- RTD Regional Route
- RTD Local Route
- FLEX Route
- RTD Call-n-Ride Area
- eGO Carshare Station

### 3. IDENTIFY LOW INCOME AREAS WITHOUT ACCESS TO TRANSPORTATION OPTIONS

#### BLOCK GROUPS

GIS: Select By Location/Select By Attribute



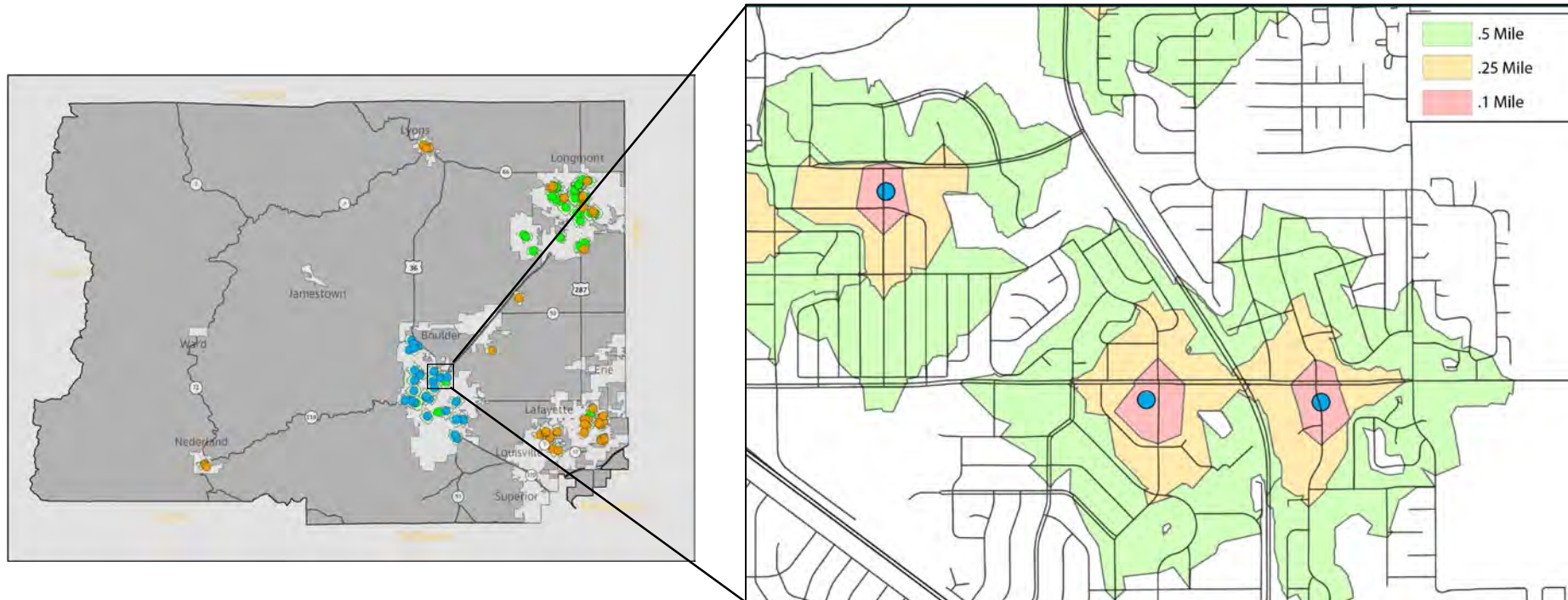


### 3. IDENTIFY LOW INCOME AREAS WITHOUT ACCESS TO TRANSPORTATION OPTIONS

#### HOUSING SITES

GIS: Network Analyst; Select by Location – Using Service Area

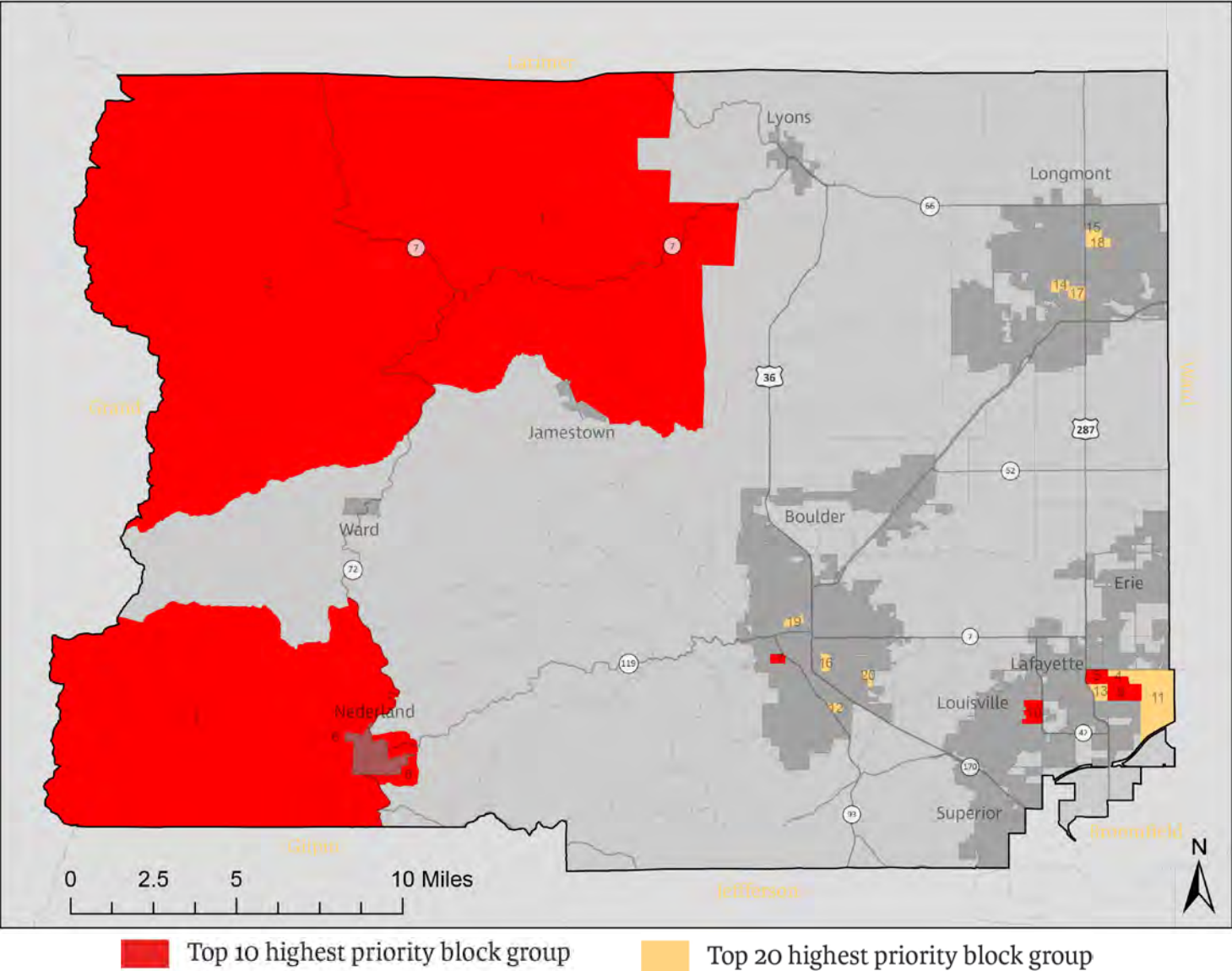
Network Analyst: Service Area



Transportation Mode	Service Area Distance
CallnRide	N/A
Bus Stop (RTD & FLEX)	.5 Mile
eGo Car Share	.5 mile
B-Cycle Station	.25 mile
Bicycle Facility	.1 mile
Walking Facility	.1 mile

# 4. Prioritize Areas for Improvement

## Results: Highest Priority Block Groups



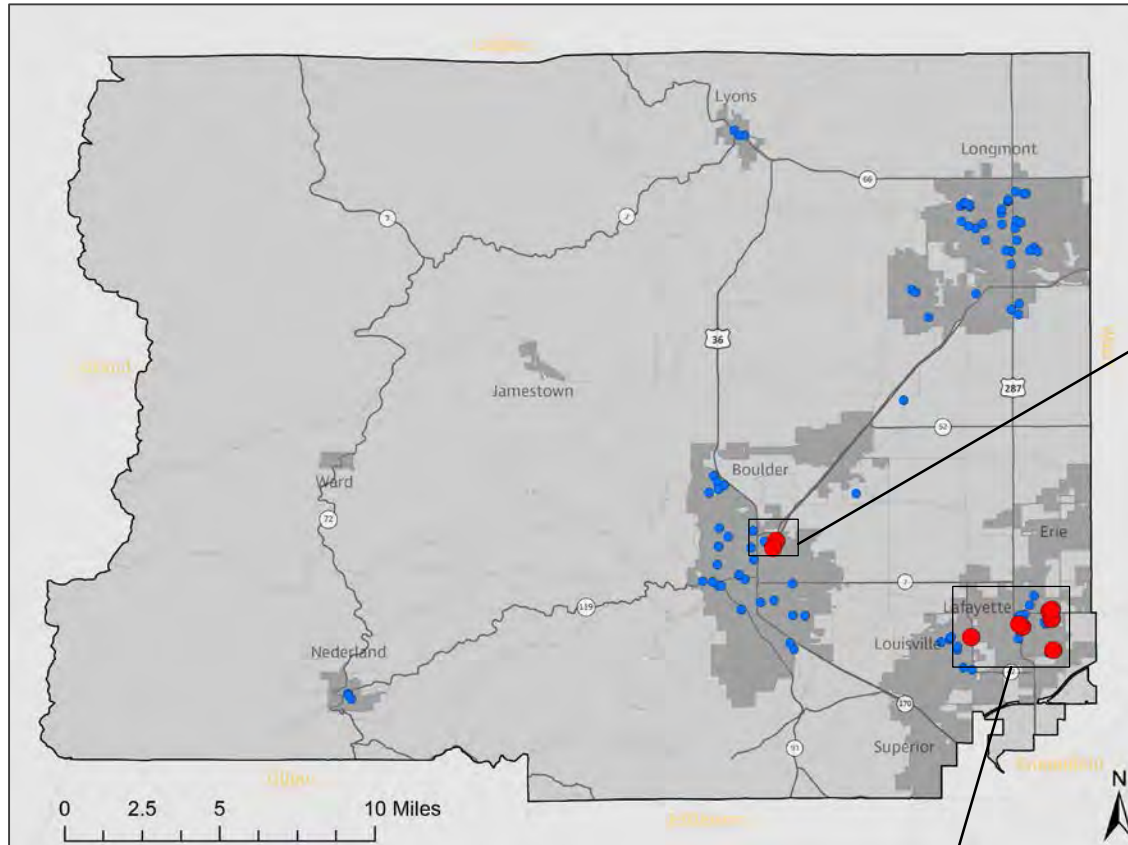
Rank	Location	Tract	Block Group	AMI	Score
1	Unincorporated NW/Jamestown	13602	1	80	6
2	Unincorporated NW	13602	2	80	7
3	Nederland/Unincorporated	13702	7	30	10
4	Lafayette	60800	4	60	12
5	Lafayette	12905	1	80	12
6	Nederland/Unincorporated	13702	6	80	12.5
7	Boulder	12401	4	30	13
8	Nederland/Unincorporated	13702	5	80	13
9	Lafayette	60800	5	60	18
10	Louisville	13005	1	80	19

These ten block groups all lacked access to bicycle facilities, pedestrian facilities, and car share opportunities.



# 4. Prioritize Areas for Improvement

## Results: Highest Priority Housing Sites



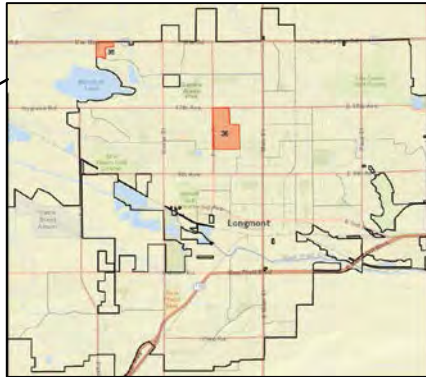
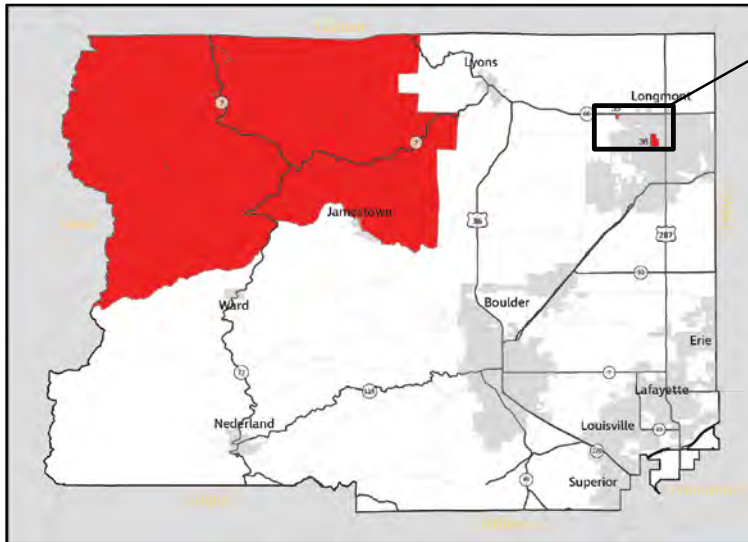
- Ten Highest Priority Sites
- Housing Sites



Rank	Name	Authority	Location	Units	Type	Score
1	Josephine Commons	BCHA	Lafayette	74	Age 55+	6
2	Aspinwall	BCHA	Lafayette	72	Mixed-Age	7
3	E Cleveland	BCHA	Lafayette	4	Mixed Age	9
4	Hayden Place	BHP	Boulder	30	Affordable Rental	9.5
5	Lafayette Villa West	BCHA	Lafayette	28	Mixed-Age	10
6	Lafayette Villa West II	BCHA	Lafayette	10	Mixed-Age	11
7	Sagrimore	BCHA	Lafayette	1	Mixed-Age	11
8	San Juan Del Centro	LHA	Boulder	150	Privately Owned Subsidized	12
9	Kestrel (Mixed-Age)	BCHA	Louisville	129	Mixed-Age	13
10	Kestrel (Age 55+)	BCHA	Louisville	71	Age 55+	13

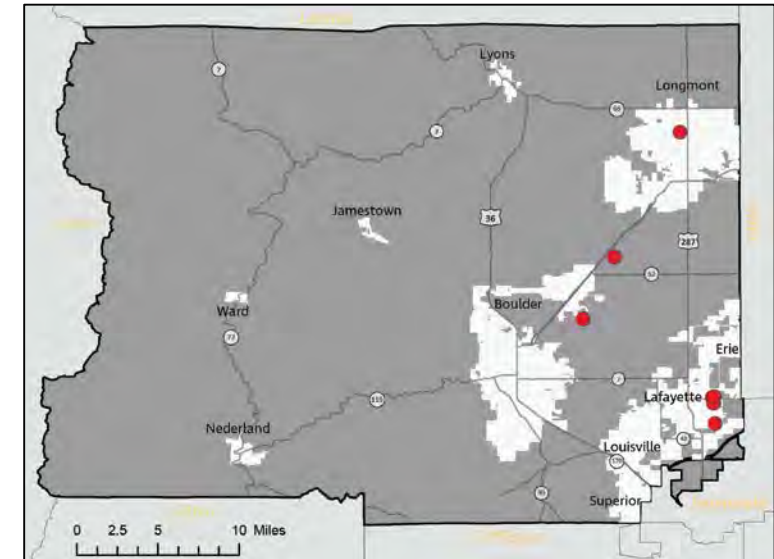
# TRANSPORTATION GAPS: NO ACCESS TO BUS STOP

## Block Groups



Rank	Location	Tract	Block Group	AMI
1	Unincorporated NW/Jamestown	13602	1	80
2	Unincorporated NW	13602	2	80
35	Longmont	13207	2	80
36	Longmont	13308	1	80

## Housing Sites

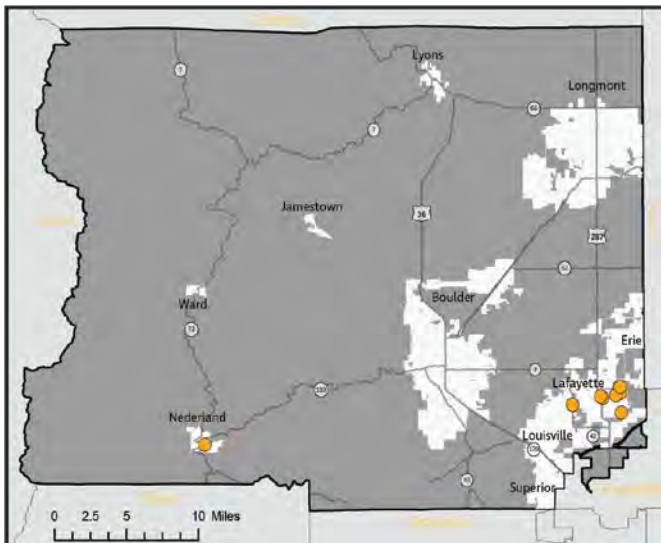


Rank	Name	Location	Authority	Units	Type	Distance to Closest Stop (miles)
1	Josephine Commons	Lafayette	BCHA	74	Age 55+	.71
2	Aspinwall	Lafayette	BCHA	72	Mixed Age	.61
3	E Cleveland	Lafayette	BCHA	4	Mixed Age	.61
7	Sagrimore	Lafayette	BCHA	1	Mixed Age	.51
24	Parkville Apartments	Longmont	LHA	75	Family Affordable	.54
34	Eagle Place	Niwot	BCHA	12	Age 62+ or Disabled	.52
35	Catamaran Court	Gunbarrel	BCHA	12	Mixed Age	.55



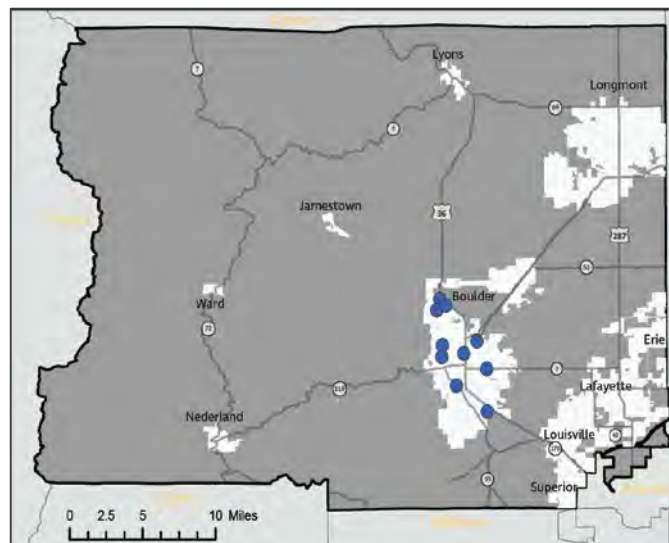
# TRANSPORTATION GAPS: NO ACCESS TO BICYCLE FACILITY

BCHA



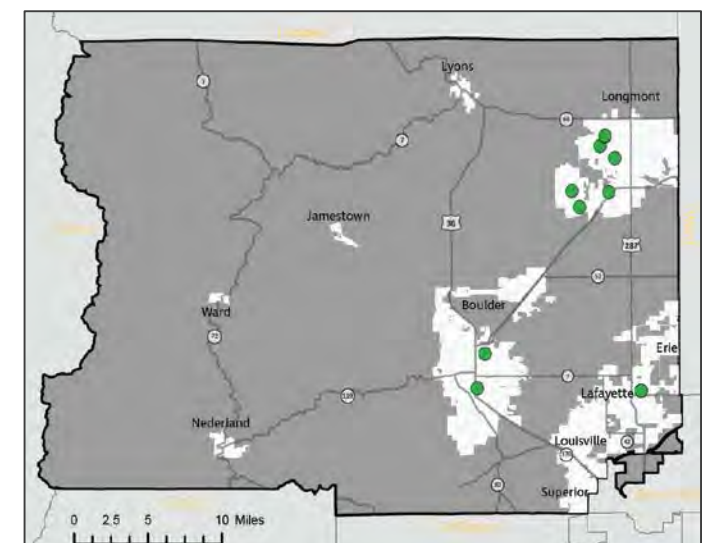
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2	Aspinwall	Lafayette	BCHA	72	Mixed Age
3	E Cleveland	Lafayette	BCHA	4	Mixed Age
5	Lafayette Villa West	Lafayette	BCHA	28	Mixed Age
6	Lafayette Villa West II	Lafayette	BCHA	71	Mixed Age
7	Sagrimore	Lafayette	BCHA	10	Mixed Age
9	Kestrel	Louisville	BCHA	1	Mixed-Age
10	Kestrel	Louisville	BCHA	36	Age 55+
11	Rodeo Court	Nederland	BCHA	2	Mixed-Age
12	S Finch	Lafayette	BCHA	2	Mixed Age

BHP



Rank	Name	Location	Authority	Units	Type
4	Hayden Place	Boulder	BHP	129	Affordable Rental
27	Bridgework	Boulder	BHP	1	Affordable Rental
28	Dakota Ridge	Boulder	BHP	32	Affordable Rental
40	Foothills	Boulder	BHP	20	Affordable Rental
52	Woodlands	Boulder	BHP	13	Family Self-Sufficiency
55	Holiday	Boulder	BHP	34	Affordable Rental
65	Araphahoe East	Boulder	BHP	22	Affordable Rental
73	Northport	Boulder	BHP	70	Section 8 Community Program
78	Madison	Boulder	BHP	388	Elderly/Disabled/Family
80	Midtown	Boulder	BHP	50	Affordable Rental

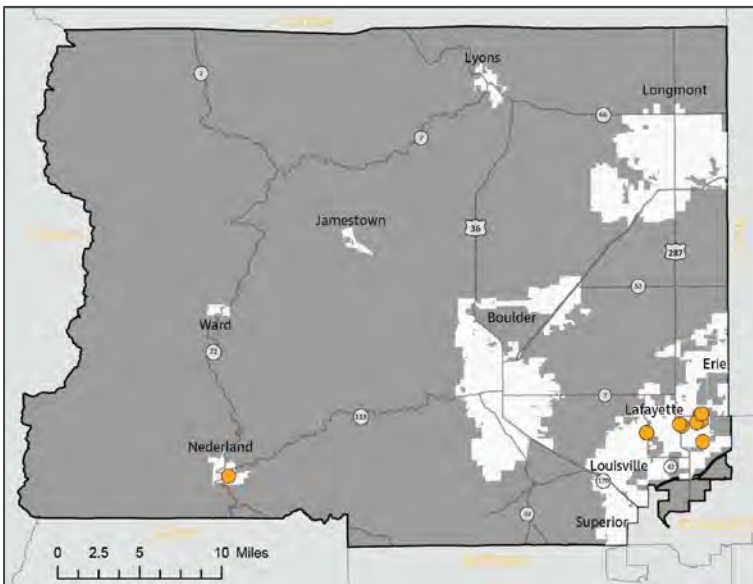
LHA



Rank	Name	Location	Authority	Units	Type
8	San Juan Del Centro	Boulder	LHA	17	Privately Owned Subsidized
23	Fox Ridge Apartments	Longmont	LHA	7	Family Affordable
33	The Suites	Longmont	LHA	12	Family Affordable
38	Clover Basin Apartments	Longmont	LHA	12	Family Affordable
41	Hearthstone at Hover Crossing	Longmont	LHA	6	Senior (Privately Owned)
44	Golden West Manor	Boulder	LHA	13	Senior/Disabled
45	Hover Manor	Longmont	LHA	74	Senior/Disabled
46	The Lodge at Hover Crossing	Longmont	LHA	35	Senior (Privately Owned)
48	Chateau Villa Apartments	Longmont	LHA	11	Family Affordable
50	Helios Station	Lafayette	LHA	50	Privately Owned Subsidized

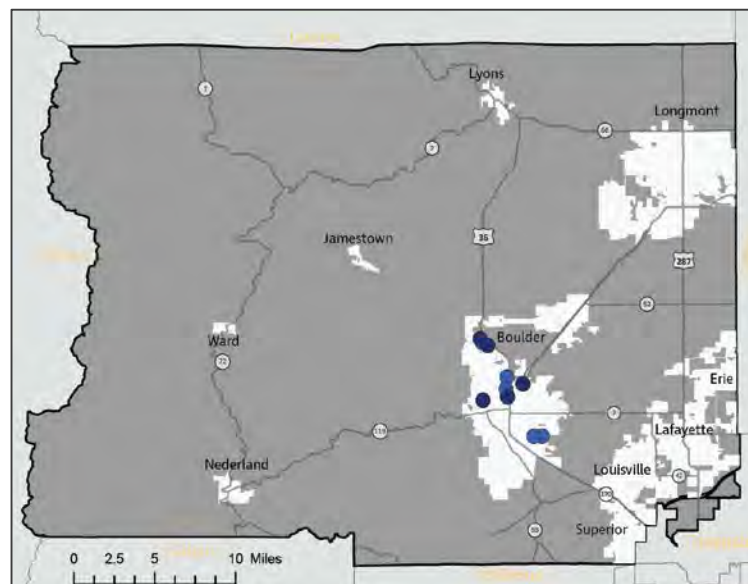
# TRANSPORTATION GAPS: NO ACCESS TO PEDESTRIAN FACILITY

BCHA



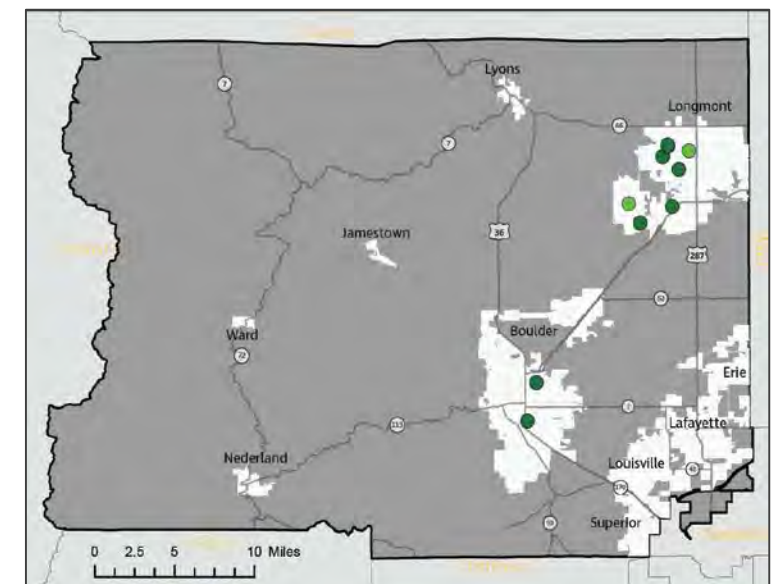
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BHP



Rank	Name	Authority	Location	Units	Type
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28	Dakota Ridge	BHP	Boulder	13	Affordable Rental
52	Woodlands	BHP	Boulder	35	Family Self-Sufficiency Program
54	Kalmia	BHP	Boulder	49	Section 8 Communities Program
55	Holiday	BHP	Boulder	49	Affordable Rental
57	Manhattan	BHP	Boulder	41	Section 8 Communities Program
64	Vistoso	BHP	Boulder	15	Affordable Rental
68	Red Oak Park	BHP	Boulder	59	Affordable Rental
73	Northport	BHP	Boulder	50	Section 8 Communities Program
75	Lee Hill	BHP	Boulder	31	Chronic Homelessness

LHA

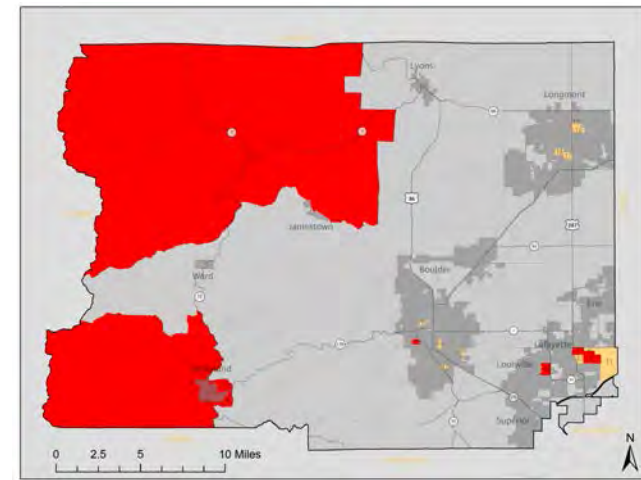
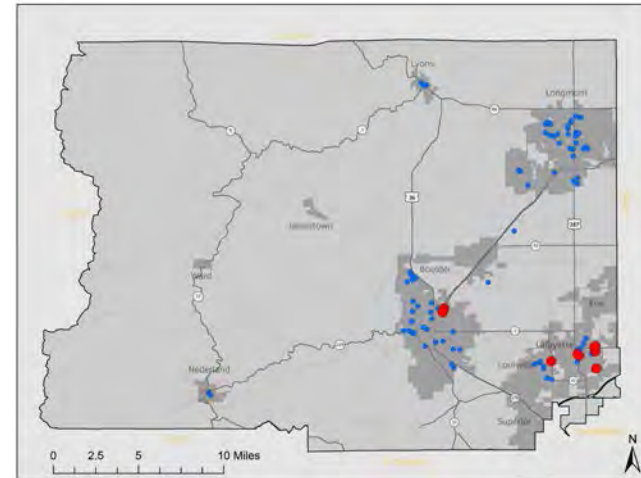


Rank	Name	Authority	Location	Units	Type
8	San Juan Del Centro	LHA	Boulder	150	Privately Owned Subsidized
23	Fox Ridge Apartments	LHA	Longmont	3	Family Affordable
24	Parkville Apartments	LHA	Longmont	75	Family Affordable
33	The Suites	LHA	Longmont	70	Family Affordable
39	Grandview Meadows	LHA	Longmont	96	Family Affordable
41	Hearthstone at Hover Crossing	LHA	Longmont	50	Senior (Privately Owned)
44	Golden West Manor	LHA	Boulder	250	Senior/Disabled
45	Hover Manor	LHA	Longmont	120	Senior/Disabled
46	The Lodge at Hover Crossing	LHA	Longmont	50	Senior (Privately Owned)
48	Chateau Villa Apartments	LHA	Longmont	33	Family Affordable



# CONCLUSION

- Lafayette and Louisville areas had the largest share of priority housing sites
- Mountainous western communities warrant additional study and outreach



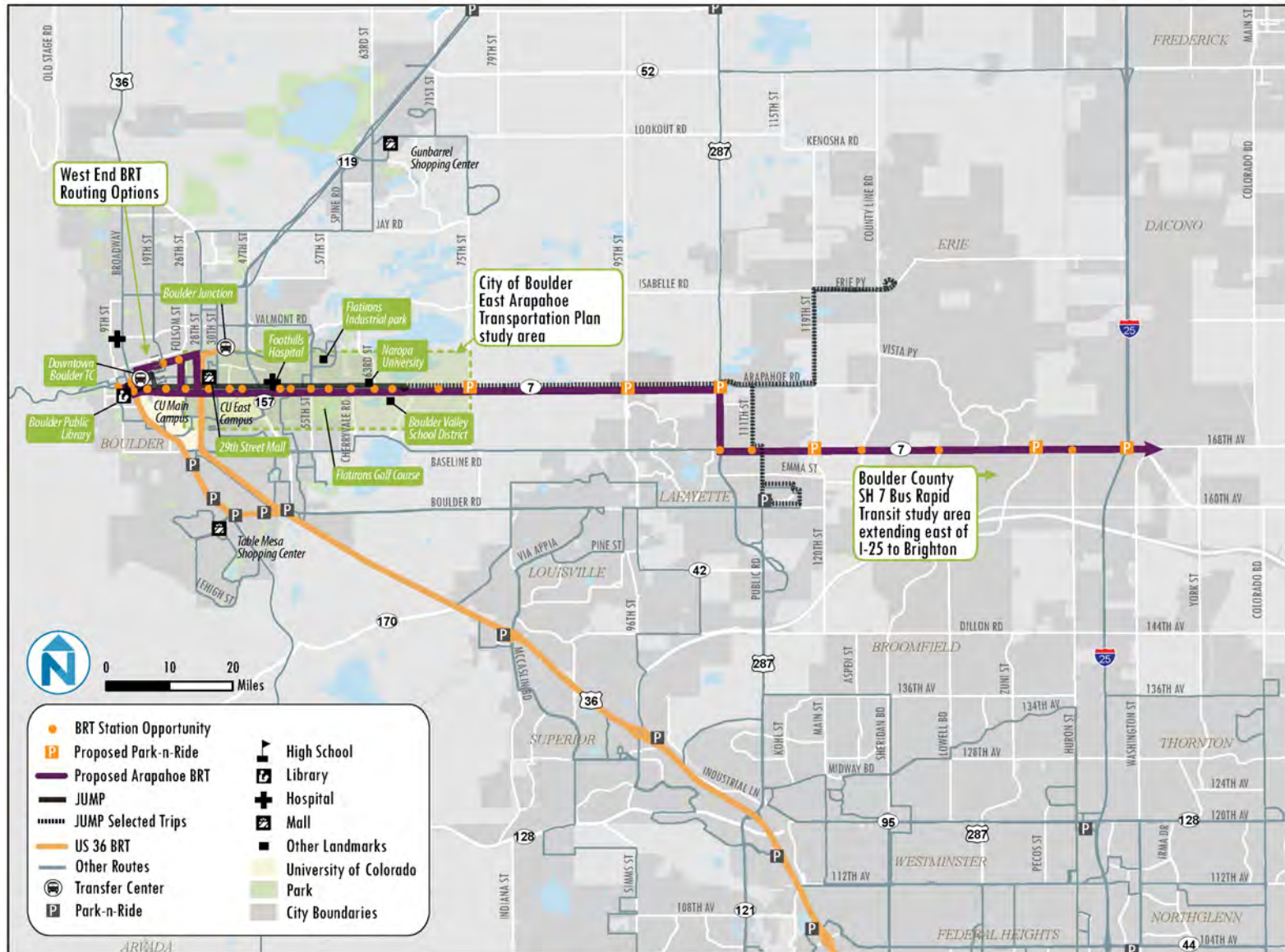
Top 10 highest priority block group    Top 20 highest priority block group

# Boulder County Local Coordinating Council Briefing



September 11, 2017

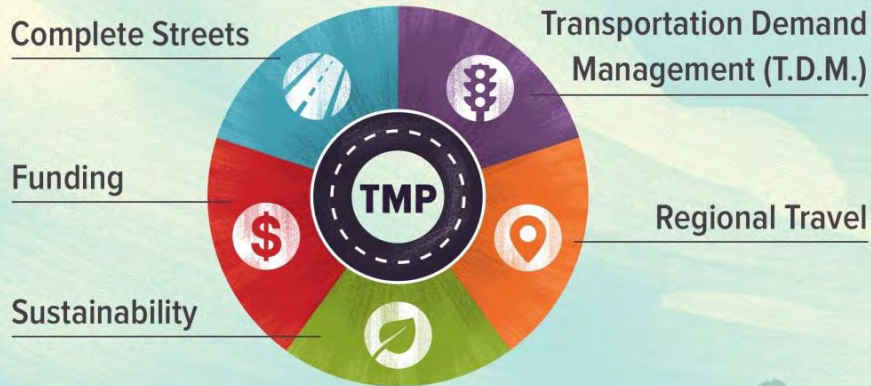
# Planning Area Extent





# Transportation Master Plan Priorities

## THE 5 FOCUS AREAS OF THE TMP



## Long-Term Boulder Renewed Transit Vision: Schematic of Priority Transit Corridors

### Existing and Future Services

- US 36 BRT
- Other Rapid Transit
- High Frequency Service (CTN)
- High Frequency Local Circulator (CTN+)
- Commuter Express
- Interregional Transit (FLEX)
- Other Existing Services
- Local Circulator Service Area
- Regional Connections

- Transit Center (Existing or Funded)\*
- Transit Center (Future)\*
- \*Includes Park & Ride
- Mobility Hub
- Hospital



# Local and Regional Significance





# What are the Goals of the Plan?

## **COMPLETE STREETS**

Provide Complete Streets that offer people a variety of safe and reliable travel choices.

## **REGIONAL TRAVEL**

Accommodate growing local and regional transportation needs.

## **TRANSPORTATION DEMAND MANAGEMENT (TDM)**

Promote a more efficient use of the system and offer people travel options.

## **FUNDING**

Deliver cost-effective transportation solutions that can be phased over time.

## **SUSTAINABILITY**

Support and integrate with the Boulder Valley Comprehensive Plan and Boulder's Sustainability Framework.



# Planning Process & Schedule

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## SHAPING EAST ARAPAHOE'S FUTURE

# East Arapahoe Plan Elements

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TDM and Parking



Automobile Travel



Streetscape and Urban Design



Mobility Hubs

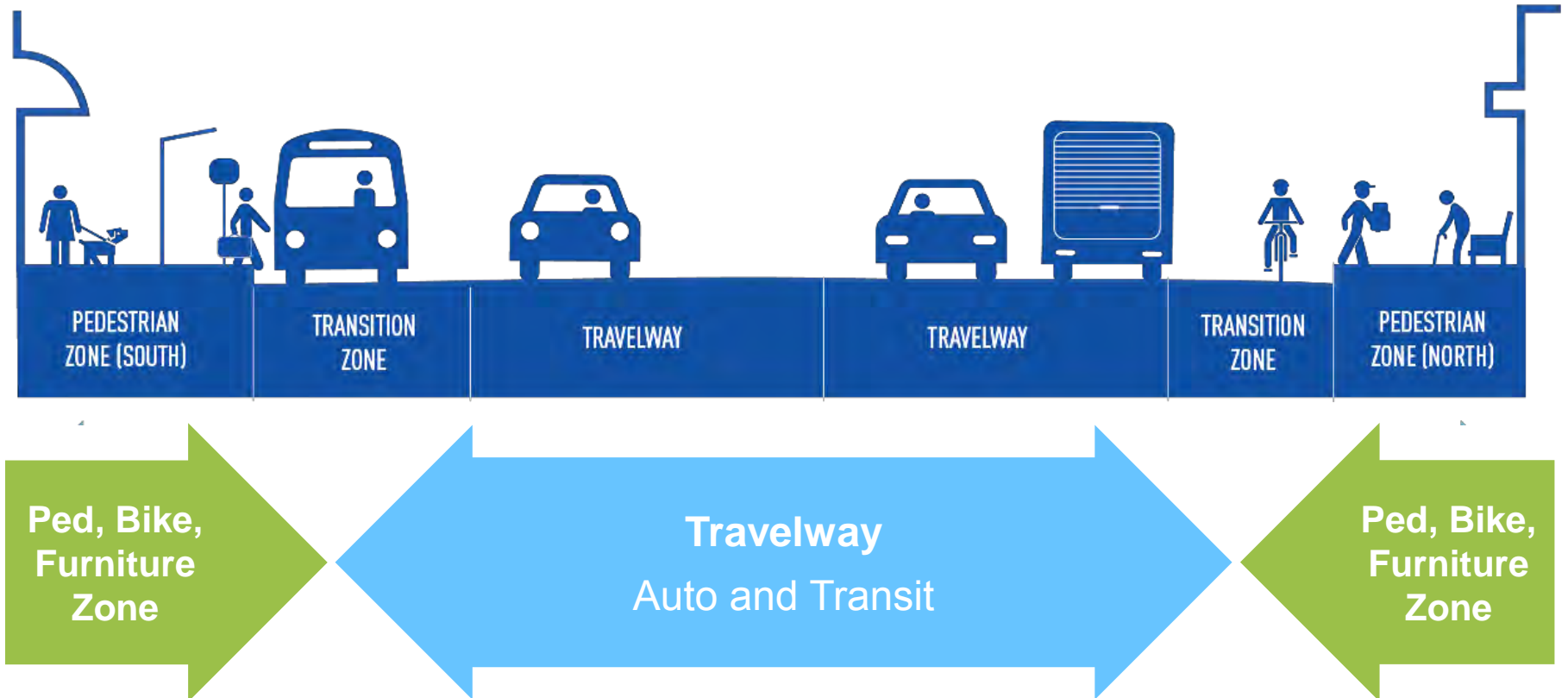


Pedestrian and Bike Travel



BRT and Local Transit

# Street Design Alternatives



# Alternatives – Transit/Auto

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## 1 NO-BUILD

Maintains existing travel lanes and existing bus service and facilities



## 2 ENHANCED BUS

Transit service operates in mixed traffic with enhanced vehicles and amenities



## 3 SIDE-RUNNING BRT

Re-purposes travel lane closest to curb for business access and transit lane—allows vehicle access for right-turns



## 4 CENTER-RUNNING BRT

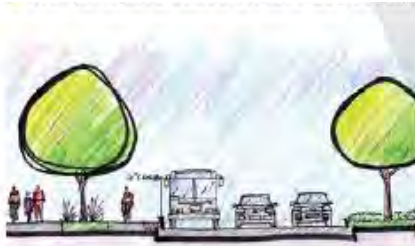
Re-purposes the center travel lane in each direction as a dedicated transit-only lane



# Build Alternatives – Ped/Bike

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## PEDESTRIAN, BIKE AND LANDSCAPING OPTIONS



CURBSIDE RAISED PROTECTED BICYCLE LANE



CURBSIDE AMENITY ZONE WITH RAISED PROTECTED BICYCLE LANE



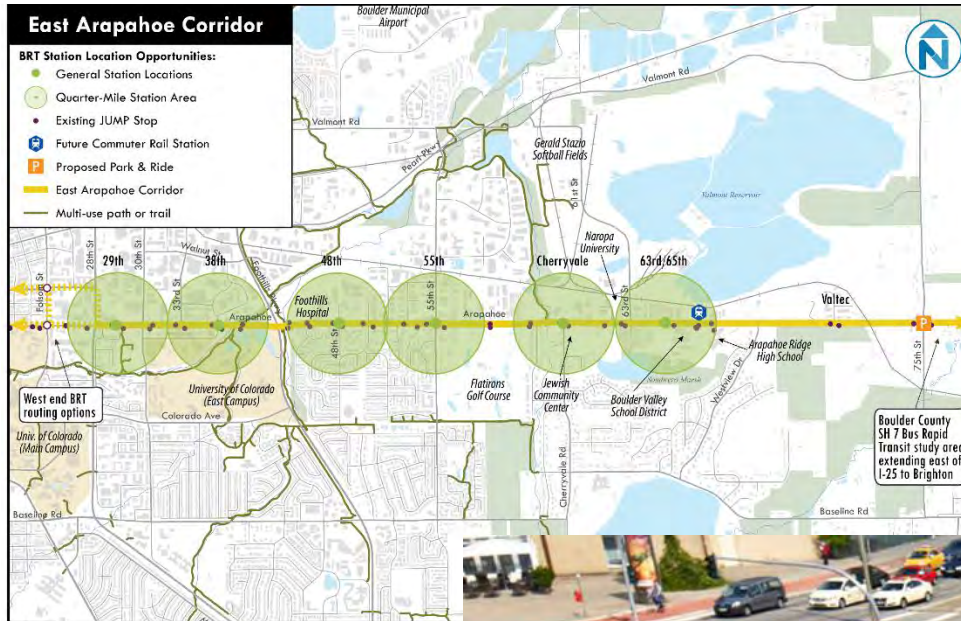
STREET-LEVEL PROTECTED BICYCLE LANE



STREET-LEVEL BUFFERED BICYCLE LANE



# BRT Stations, Mobility Hubs & First & Final Mile



Source: NISTO

# Evaluation Areas

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## **Pedestrian and Bicycle Comfort and Access**

- Perceived ease of access or comfort for walking along or across the corridor
- Perceived ease or comfort for bicycling along/across the corridor



## **Safety**

- Safety Evaluation
- Access Management



## **Travel Mode Share**

- Estimated pedestrian, bicycle, transit, auto mode share



## **Transit Operations**

- Transit Travel Time, Service Reliability, and Service Quality
- Transit Ridership in Corridor
- Transit Operating Costs



## **Vehicle Operations**

- Auto Travel Time and Level of Service (LOS)
- Auto Vehicle Miles Traveled
- Freight Impacts



## **Capital Costs/Implementation**

- Capital Costs and Right-of-Way
- Cost-Effectiveness
- Ability to Phase Improvements / Complexity of Implementation



## **Community Sustainability**




















- Streetscape Quality
- GhG Emissions from Transportation























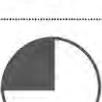



# Alternatives Comparison

Alternative 3 – Side-Running BRT shows most promise

ALTERNATIVES SUMMARY TABLE

	ALTERNATIVE 1	ALTERNATIVE 2	ALTERNATIVE 3	ALTERNATIVE 4
Auto Travel Time				
Transit Travel Time				
Transit Ridership				
Cost-Effectiveness	No Costs			
Bike/Pedestrian Safety				

# Meeting TMP Objectives

Transportation Master Plan (TMP) Objectives	Alt 1: No-Build (2040)	Alt 2: Enhanced Bus (2040)	Alt 3: Side- Running BRT (2040)	Alt 4: Center- Running BRT (2040)
Reduce VMT by 20% by 2035, and achieve a 16% reduction in GhG emissions				
Reduce SOV travel to 20% of all trips for residents and to 60% of work trips for non-residents				
No more than 20% of roadways congested at Level-of-Service (LOS) F				
Expand fiscally-viable transportation options, increase transportation alternatives				
"Toward Vision Zero" fatal and serious injury crashes				
Increase the share of residents living in complete neighborhoods to 80%				

Contribution to  
Meeting TMP Objective



# What's Next

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## Fall 2017

- Continued Community Engagement

## Winter 2017-18

- Community, TAB & Council Input on Preferred Alternative & Implementation Plan

## 1st Quarter 2018

- Plan Review & Approval

## 2018+

- Phased Implementation

## Ongoing

- Community Working Group, Dept. & Agency Coordination



# Thank You!

