

Flagstaff: Place Matters

How Place-making and Multimodal Planning
contribute to a Healthy Community

Sara Dechter, Flagstaff Comprehensive Planning Manager
Martin Ince, FMPO and City Multi-modal Planner



Active lifestyles and Public Health

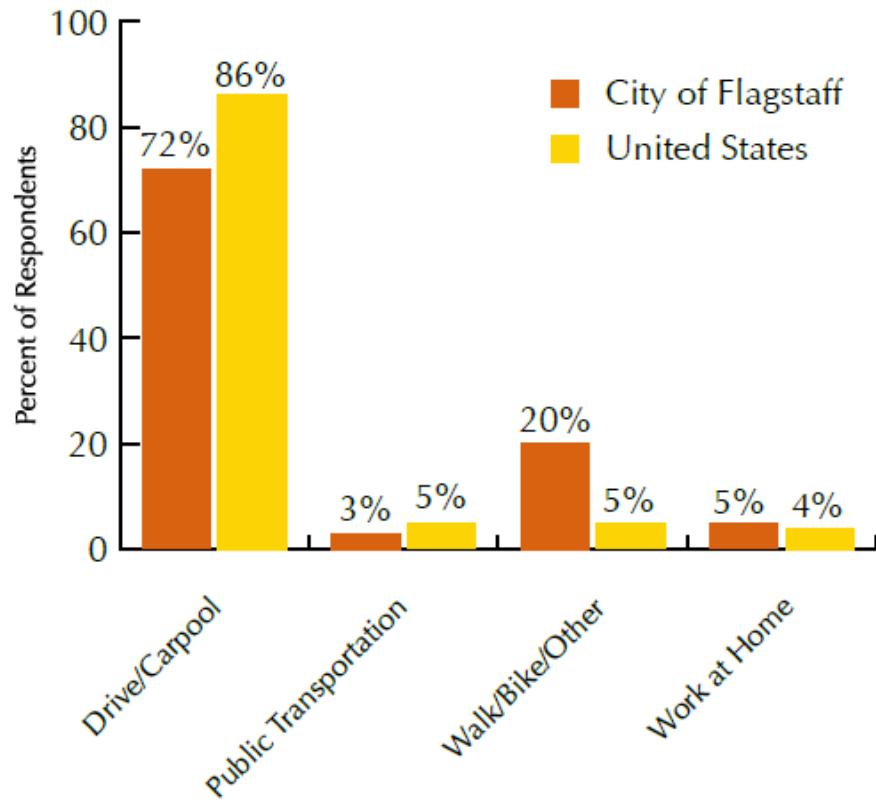
Flagstaff's Regional Plan promotes active lifestyles for residents and visitors through:

- transportation facilities and services;
- land-use planning and development;
- schools;
- recreation, parks and trails;
- safety, security and crime prevention;
- protecting our environment; and
- considering needs of all residents regardless of race, ethnicity, age or ability.

- 34.9% National rate of Obesity
- 25% for Coconino County
 - up from 20% in 2008
- 30% is the Healthy People 2020 Goal

Criteria above are from the National Center for Walking and Bicycling

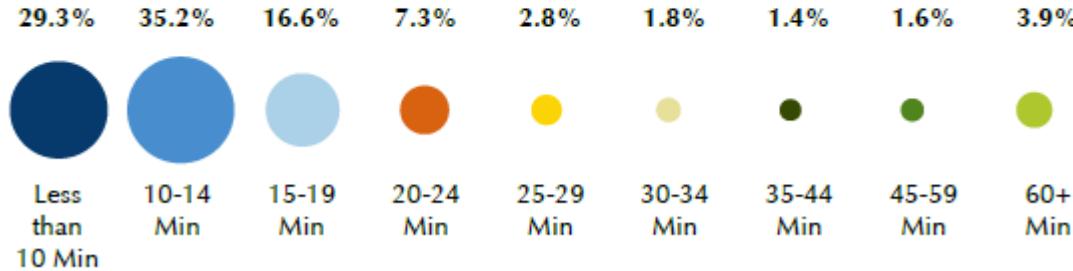
How We Get to Work



Travel in Flagstaff



Journey to Work Trip Length in City of Flagstaff



FLAGSTAFF URBAN TRAILS SYSTEM (FUTS)

Most used and top-rated Transportation and Recreation Facility in town

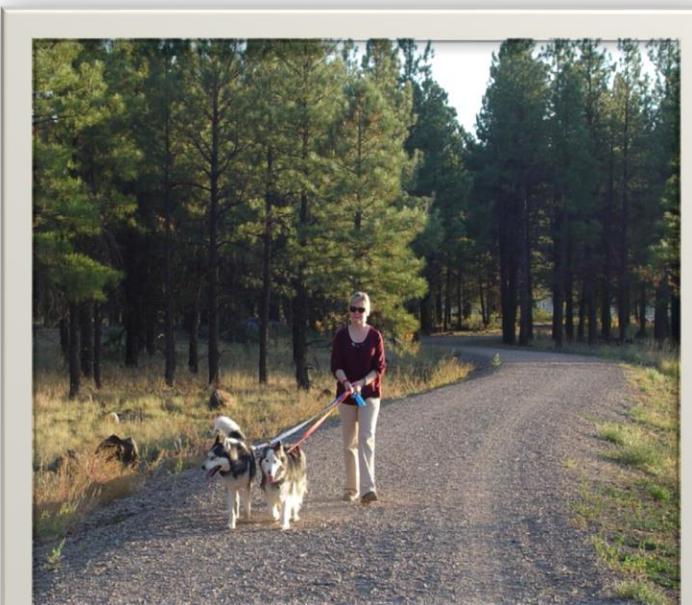
50 miles of FUTS trails in Flagstaff

Planned system of 130 miles

Why do people use the FUTS?

Recreation	79.6%
Health/exercise	78.2%
Experience nature	56.0%
Commuting	50.9%

Source: FUTS Trail Users Survey 2011



Flagstaff Transit Ridership

Mountain Line – 12 Years and Growing Strong



The Last Mile

- Safe and Efficient Multimodal Transportation System
- Convenient transfer between one modes
- Comprehensive, consistent, and highly connected system of bikeways and FUTS trails
- Design streets with continuous pedestrian infrastructure
- Goal of having a Complete Streets Policy



Trips of less than 2.5 mile

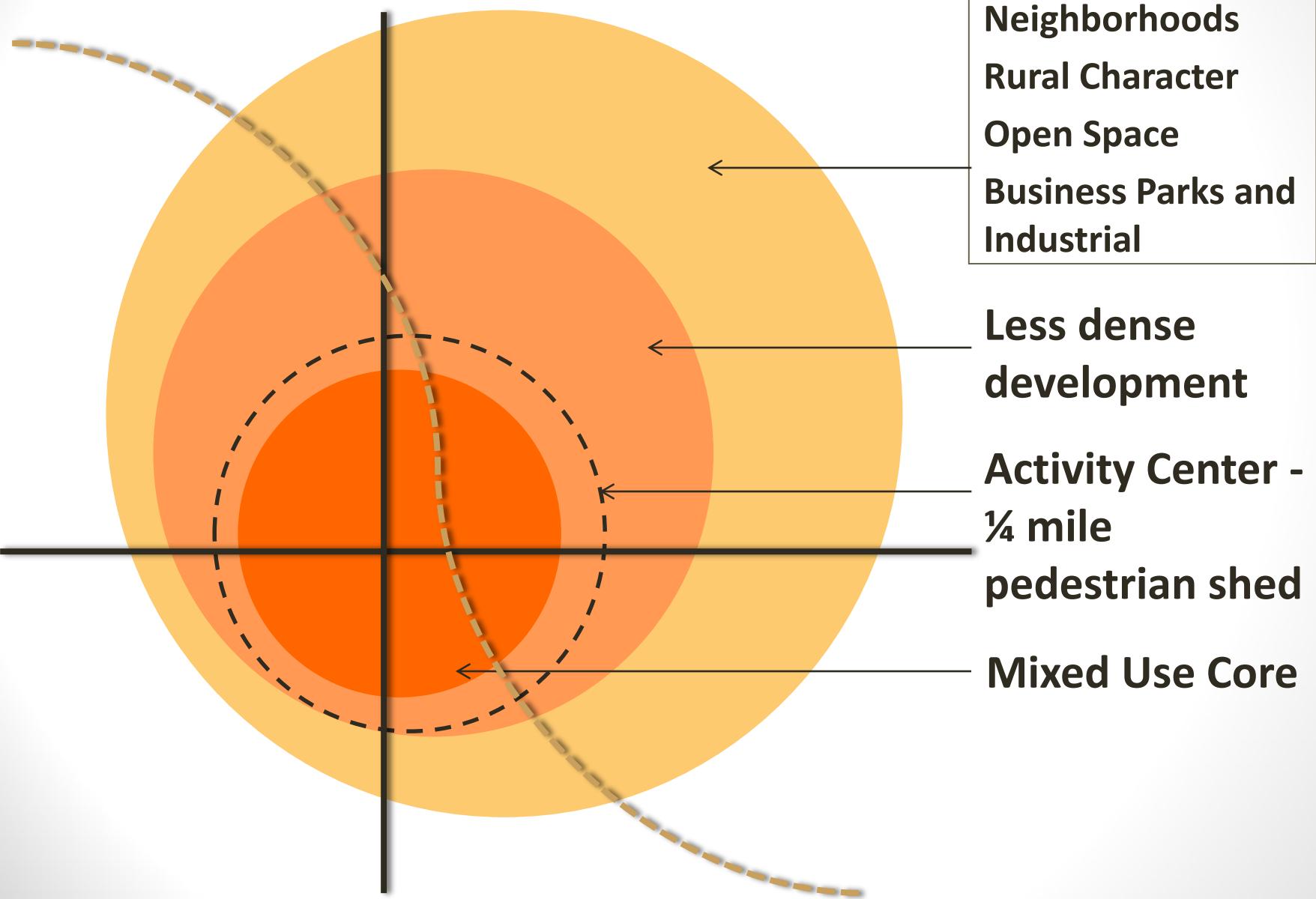
78 % of bicycle trips
39 % of private trips

Trips of less than one vehicle trip

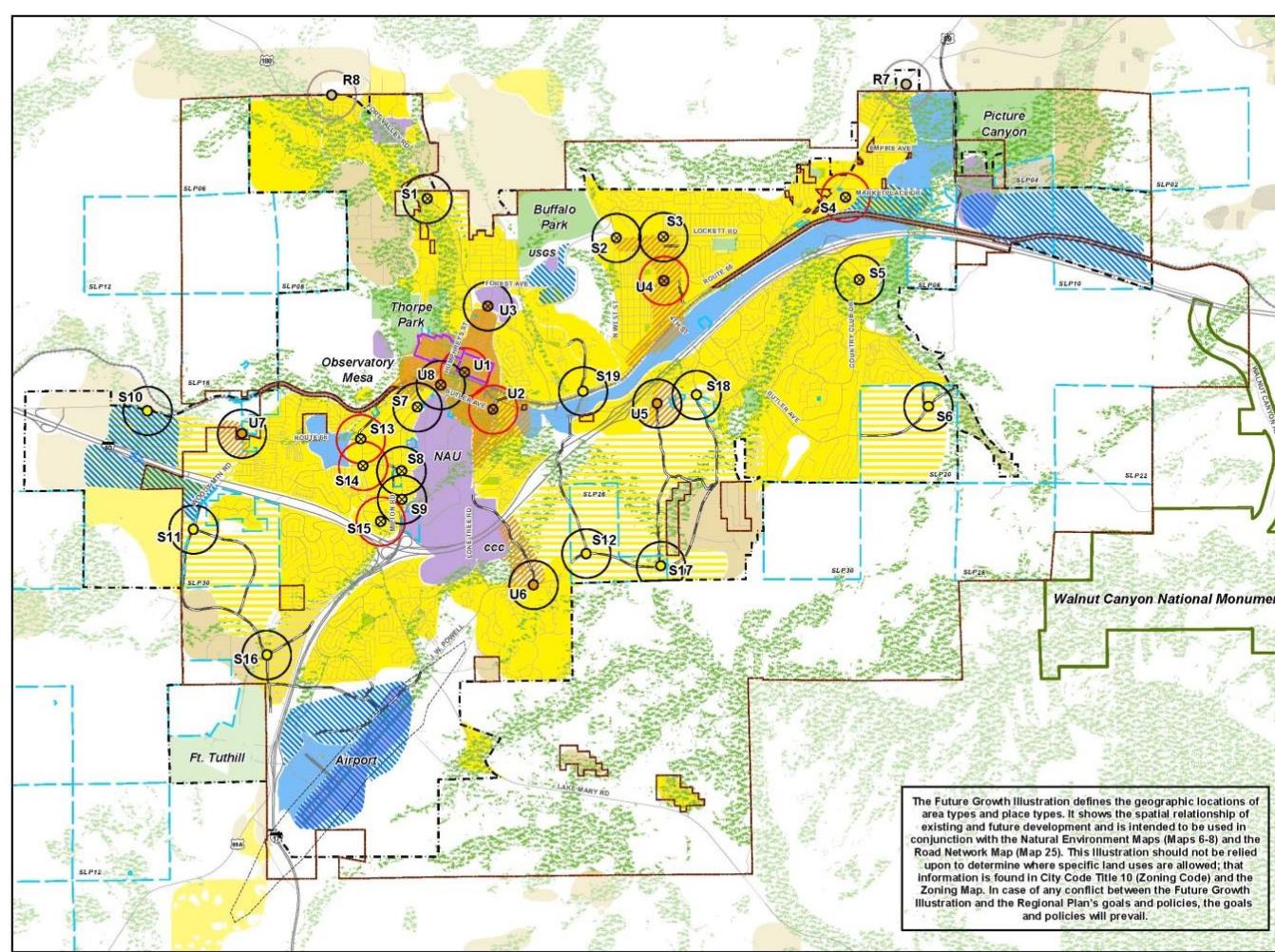
- 80 % of all walking trips
- 11 % of private vehicle trips



Place-making: Activity Centers



Future Growth Illustration



Complete, Connected Places



- Mixed Use
- Increased densities within activity centers and corridors
- Compact development
- Walkability
- Contextual and distinctive identities
 - History and Environment
 - High-quality design

2014 Bicycle and Pedestrian Survey

What makes walking difficult or uncomfortable?

No/poor sidewalks	31%
Difficult/too few crossings	18%
Traffic	16%



What do you like about walking in Flagstaff?

Aesthetics*	21%
Health benefits	12%
Weather	9%

*Scenery, views, open space, etc

Source: Flagstaff Walking and Biking Survey

Safety → Comfortable



PEDESTRIAN COMFORT – STREETS

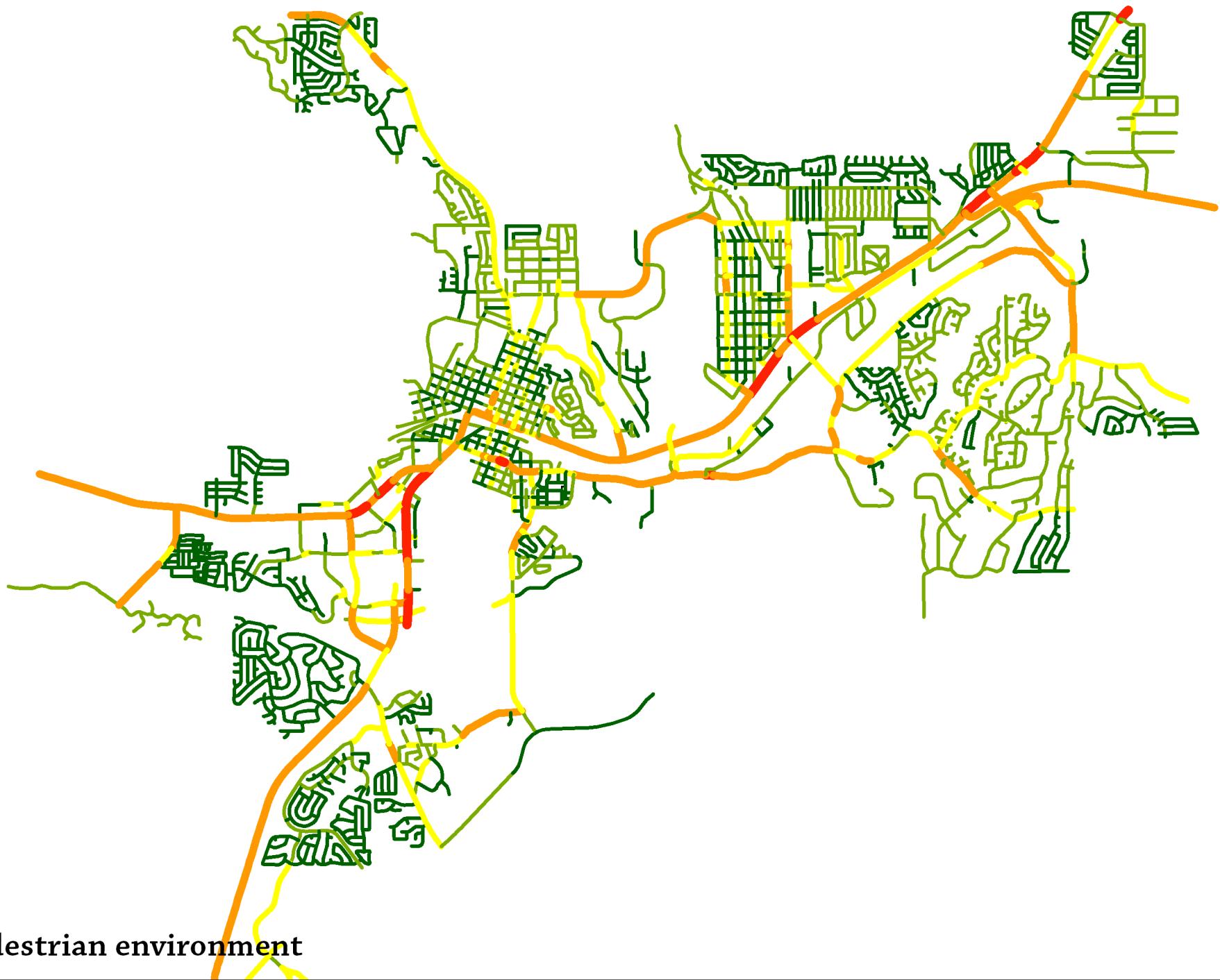
- Pedestrian buffers
- Traffic speed
- Lanes

Sidewalks

Traffic volume

Median

Pedestrian Realm				
	Pedestrian Intolerant	Pedestrian Tolerant	Pedestrian Supportive	Pedestrian Place
Sidewalk presence	None on locals, none or one side on arterials	One side on locals, both sides on arterials	Both sides of all streets	Both sides of all streets, supplemental traffic calming
Sidewalk width	Less than 5 feet	5 feet min	6 to 8 feet	8 to 10 feet (through), 10 to 30 feet (total)
Sidewalk location and parkway	No parkway, sidewalk at back of curb	Less than 5 foot parkway	5 foot parkway	Planting strip/furnishing zone, walk-talk zone, shy-zone
Street trees	None	None	20 to 30 feet on center	Overstory trees in planting strip; or tree wells and planters
Transit stops	No furniture	Benches provided	Shelters, benches, trash receptacles, bike racks	Transit stops and amenities integral part of design
Pedestrian furnishings	None	None, except transit routes	Intermittent furniture groupings	Furniture groupings, sculpture, drinking fountains, decorative fountains
Pedestrian wayfinding	None	Limited	Provided	Provided throughout
Lighting	None	High-angle	High-angle and low-angle	High angle, low-angle, and light spill from storefronts

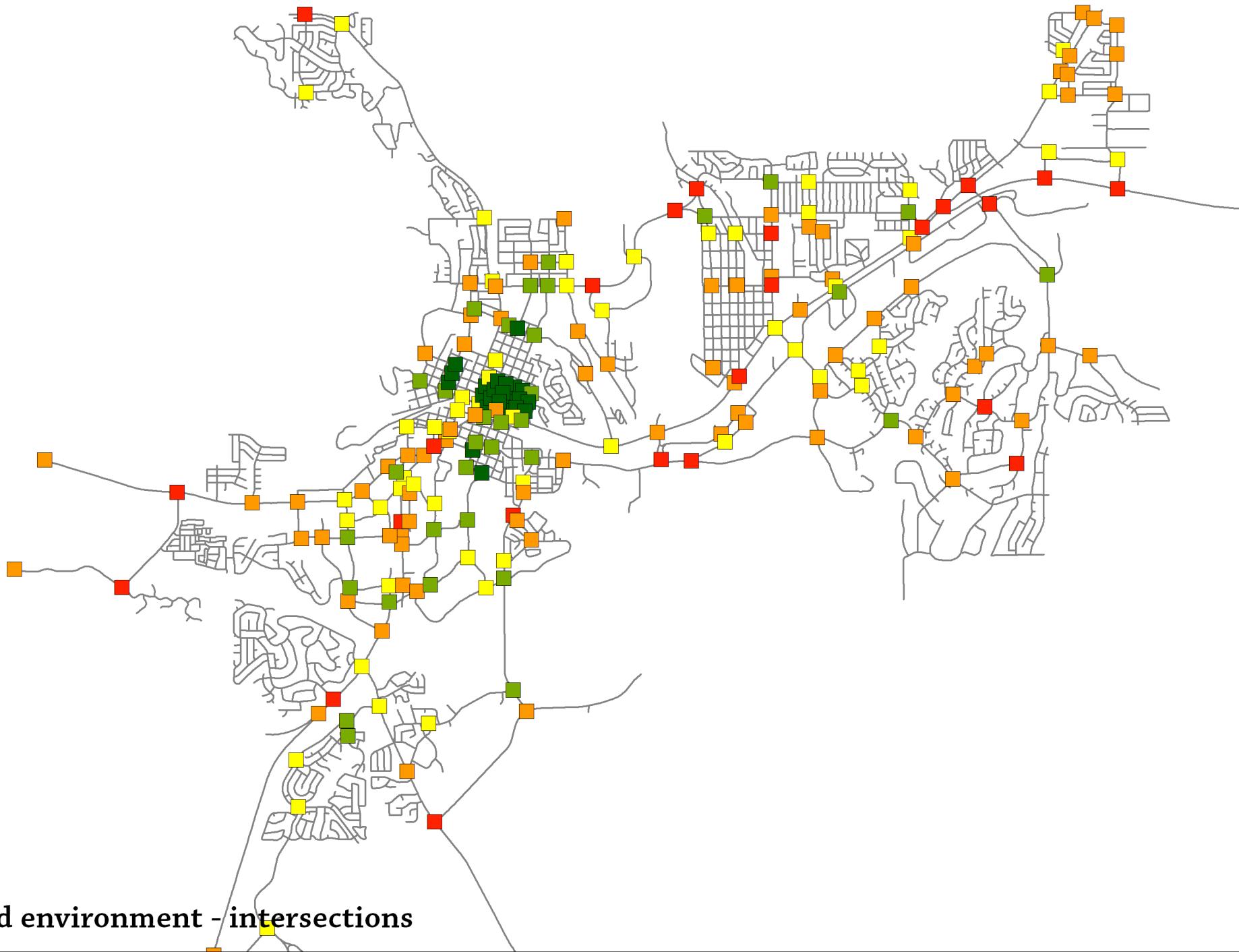


Pedestrian environment

PEDESTRIAN COMFORT - INTERSECTIONS

- Ped crashes
- Traffic volume
- Control
- Crosswalks
- Lanes
- Speed
- Islands/bulb-outs
- Curb ramps
- Crossing limitations
- Corner radii

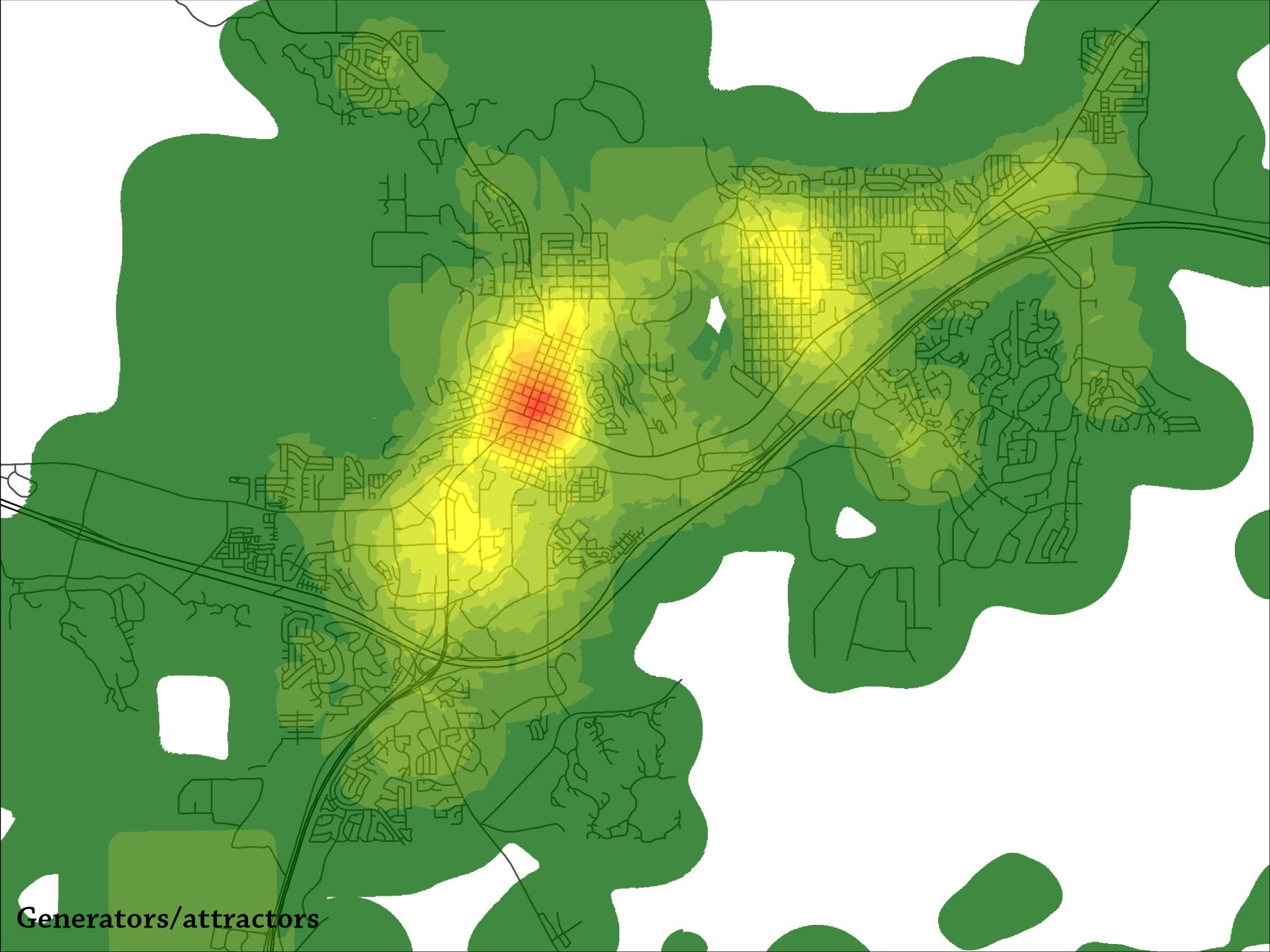




Ped environment - intersections

Activity Centers

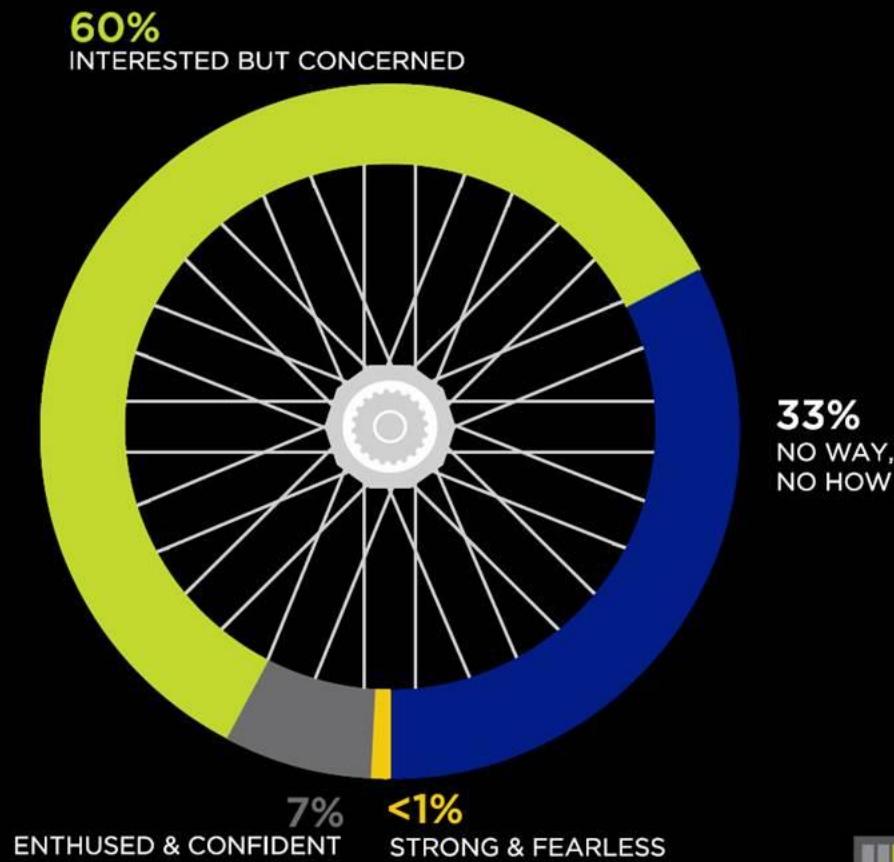




Generators/attractors

TYPES OF CYCLISTS

FOUR TYPES OF RIDERS



2014 Bicycle and Pedestrian Survey

What makes biking difficult or uncomfortable

No/poor bike lanes	29%
Traffic	18%
Maintenance	9%

What do you like about bicycling in Flagstaff

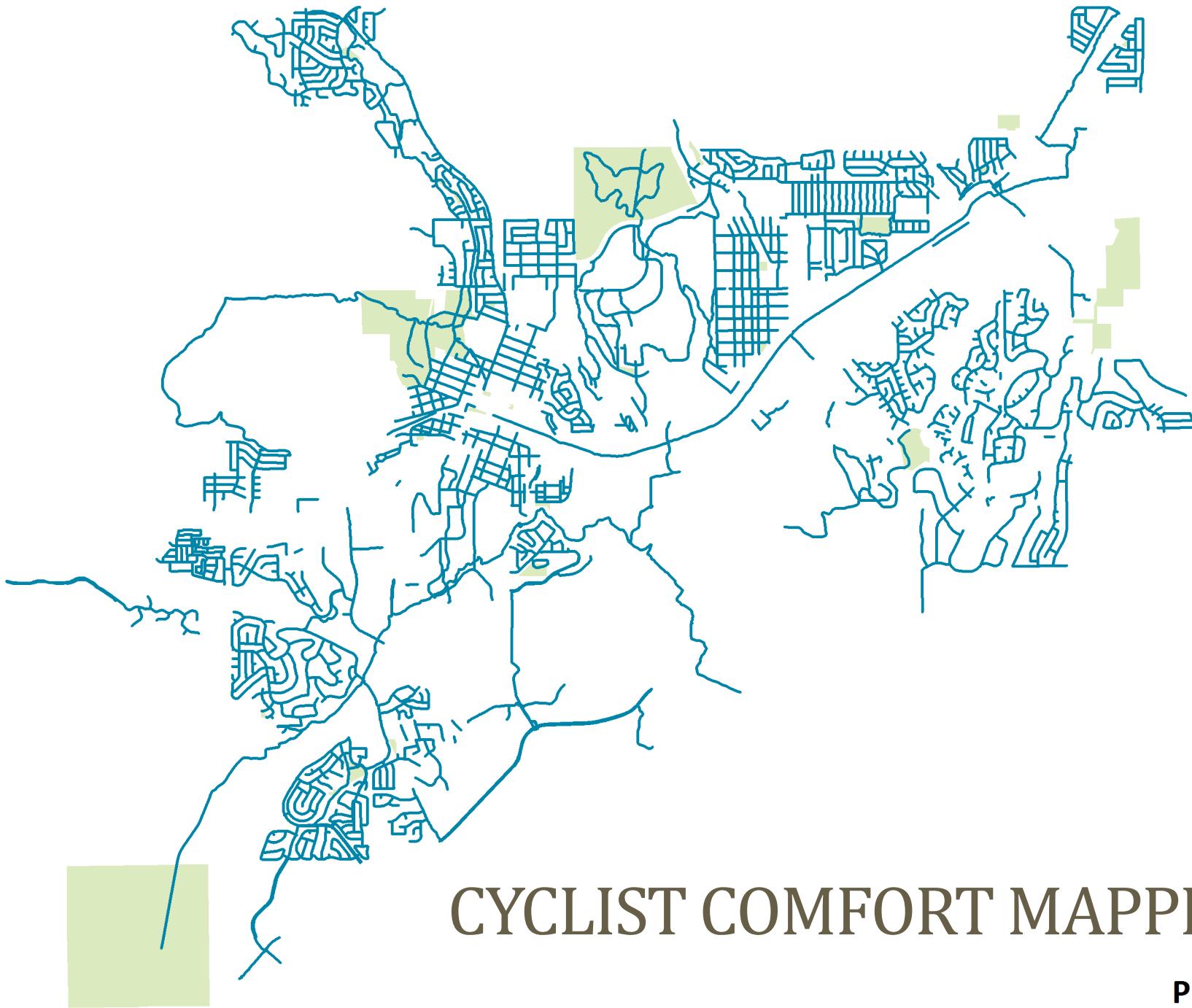
FUTS	13%
Health benefits	10%
Scenery	8%

Source: Flagstaff Walking and Biking Survey

CYCLIST COMFORT FACTORS

- Traffic speed
- Traffic volume
- Number of lanes
- Presence/width of bike lane
- Side friction – parked vehicles, right turns, driveways/side streets
- Truck/heavy vehicle volume
- Other bike facilities





Have Good Assessments



Surveys

Walkability audits

GIS

Transportation data

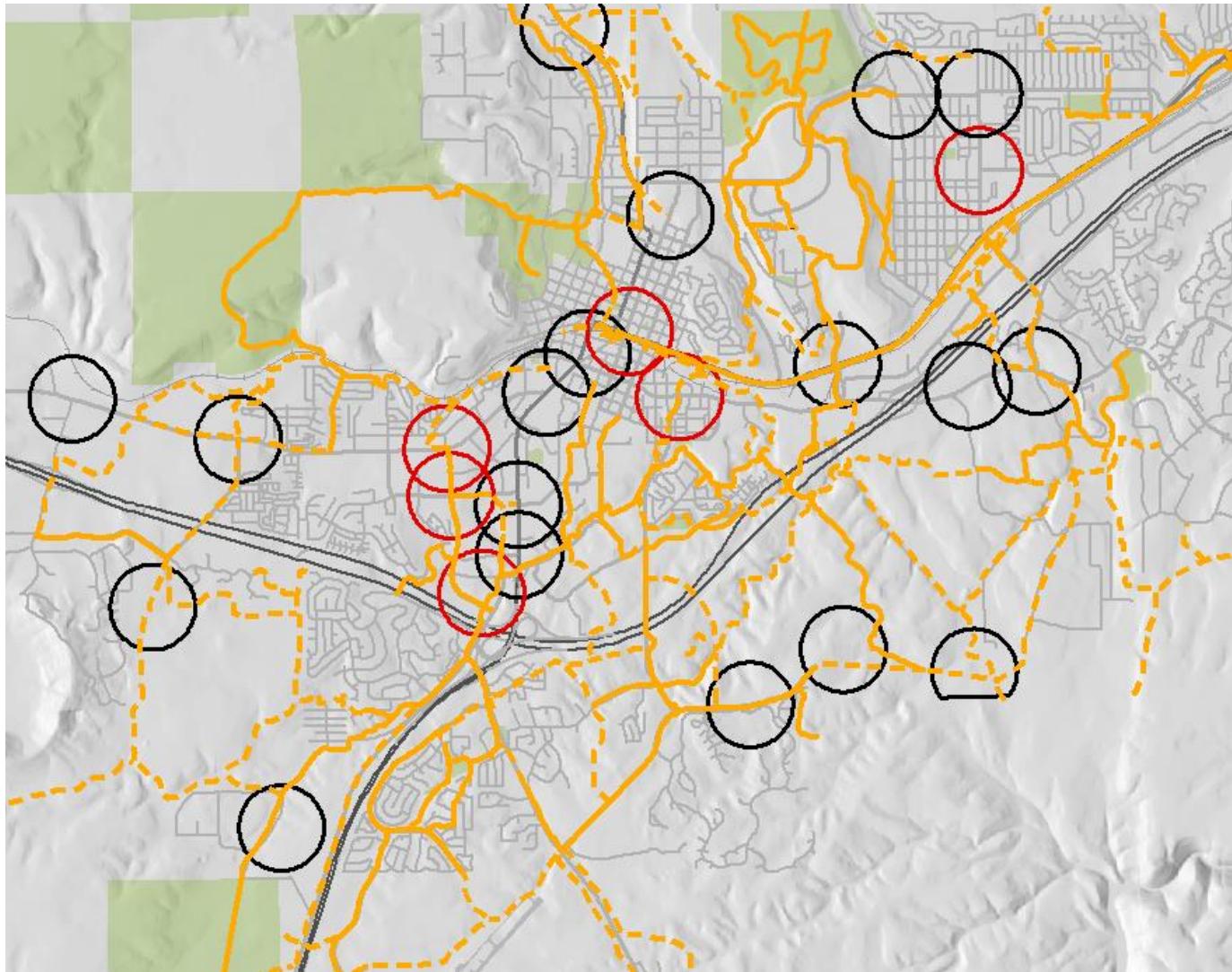
Facilities data

Online Tools (Strava)

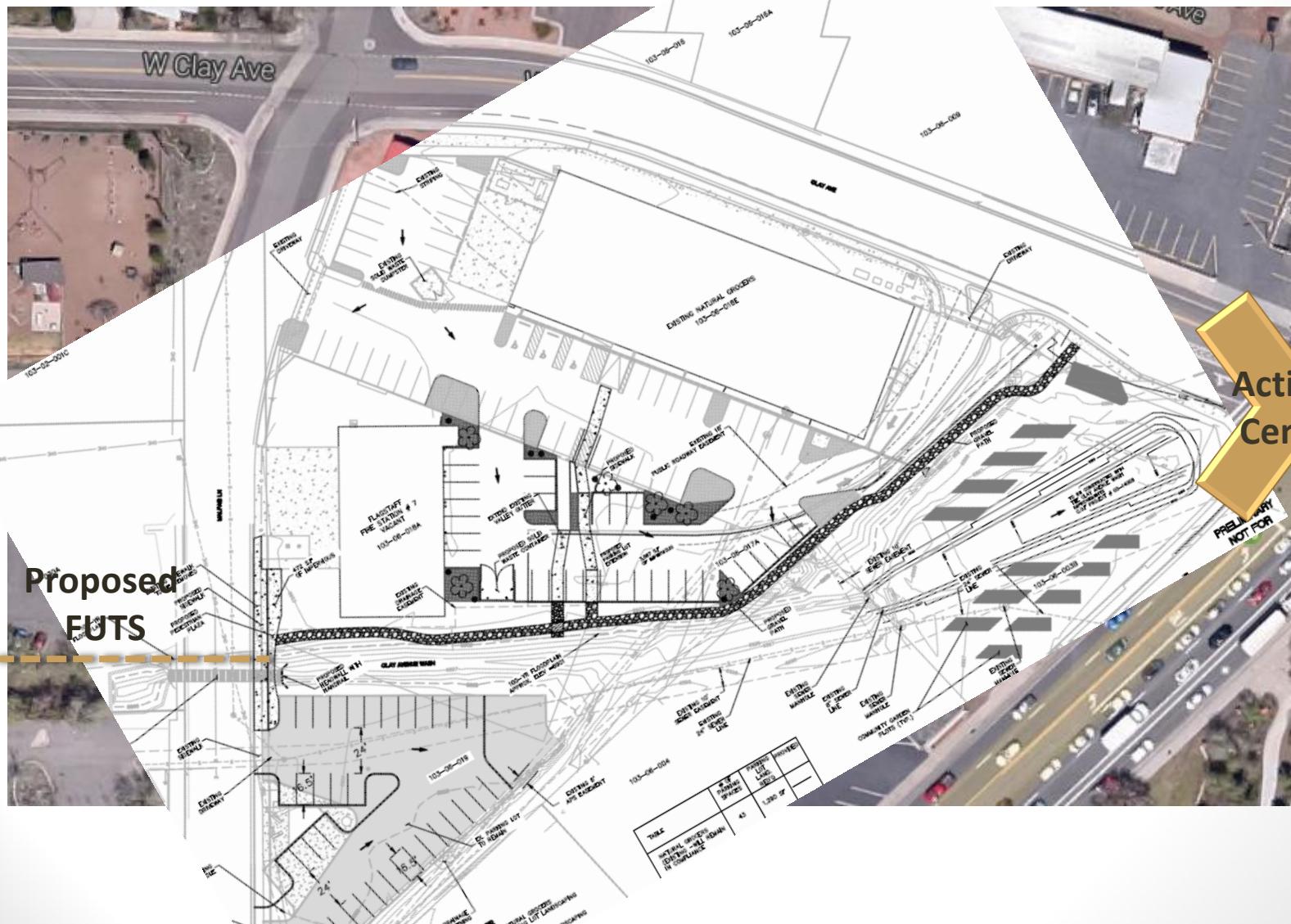
Find the goat paths

Talk a walk with your staff and decision-makers

Make No Small Plans



Clear, Specific Policies Matter



References

Flagstaff websites

www.FlagstaffMatters.com

Flagstaff.az.gov/futs

Flagstaff.az.gov/bicycle

Flagstaff.az.gov/pedestrian

FBO

Other Resources

[CDC Physical Activity and Built Environment Resource Center](http://www.cdc.gov/physicalactivity/built-environment)

Bikewalk.org

[Smart Growth America Complete Streets](http://www.smartgrowthamerica.org/complete-streets)

[Strava Global Heat Map](http://www.strava.com)