



BUCKEYE, AZ

Buckeye Bicycle and Pedestrian Master Plan

MAG Leaders Pedestrian Safety Forum

December 17, 2019

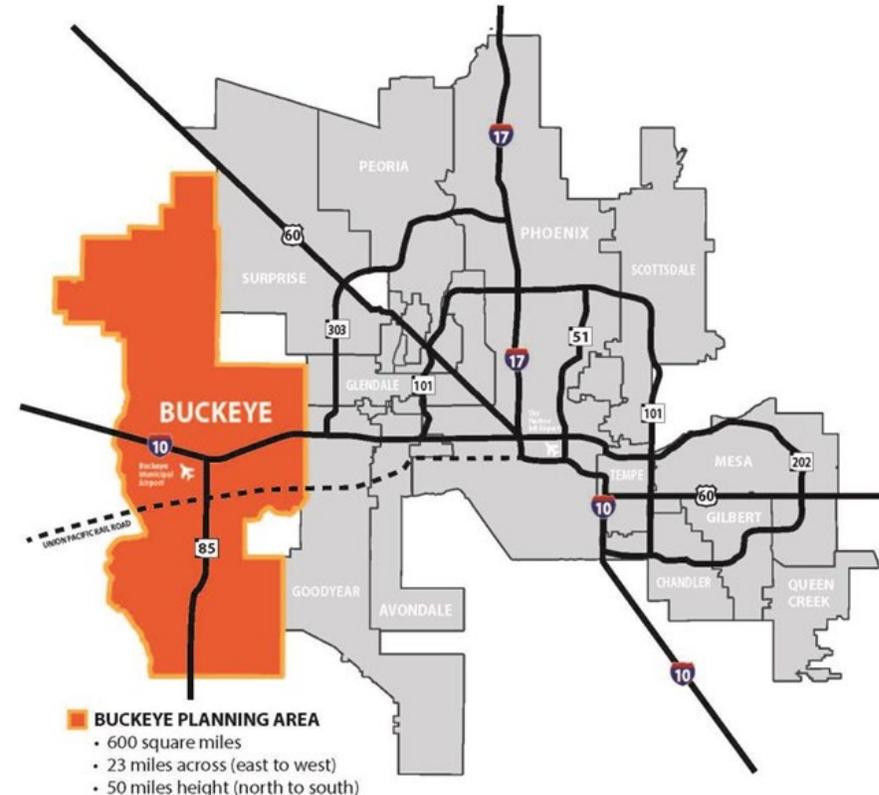


Buckeye, Arizona

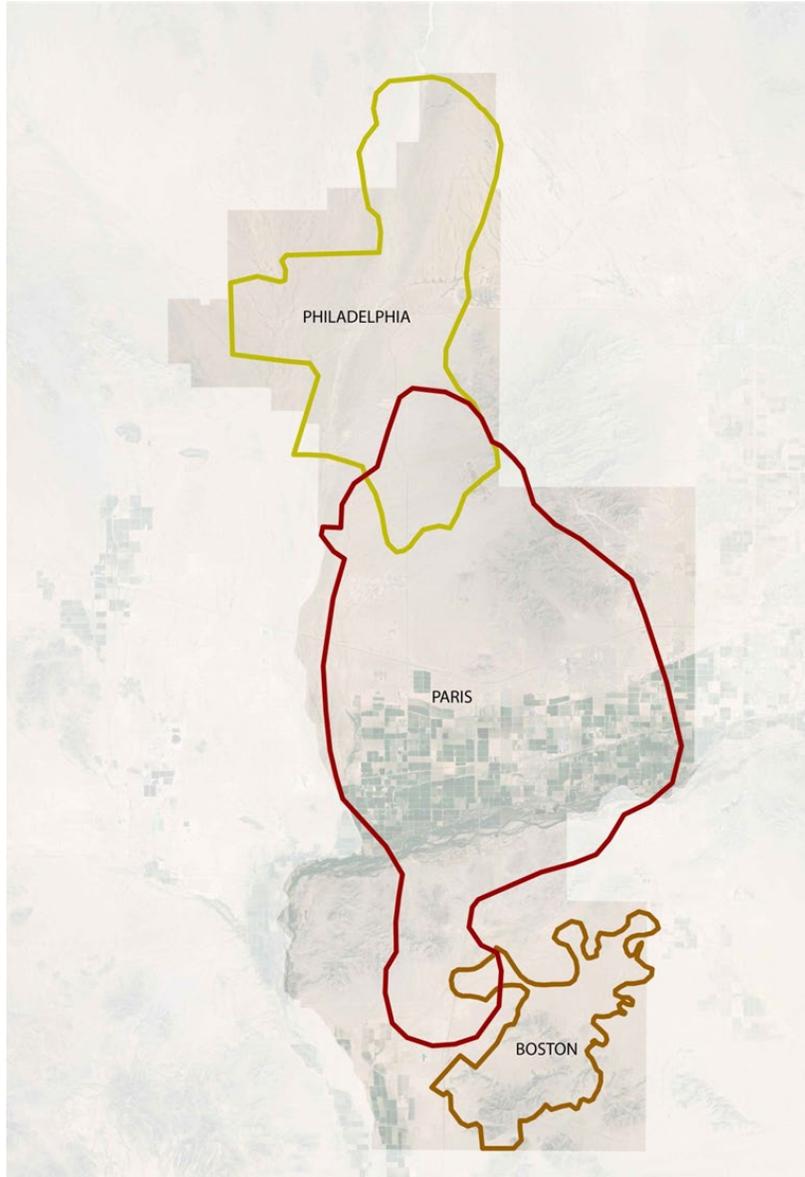


Regional Context

- Buckeye is the largest city in Arizona- 642 sq. miles in our MPA
- Fastest growing city in the U.S.
- Current population – 85,000
- Est. 2,600 S.F. housing permits this year

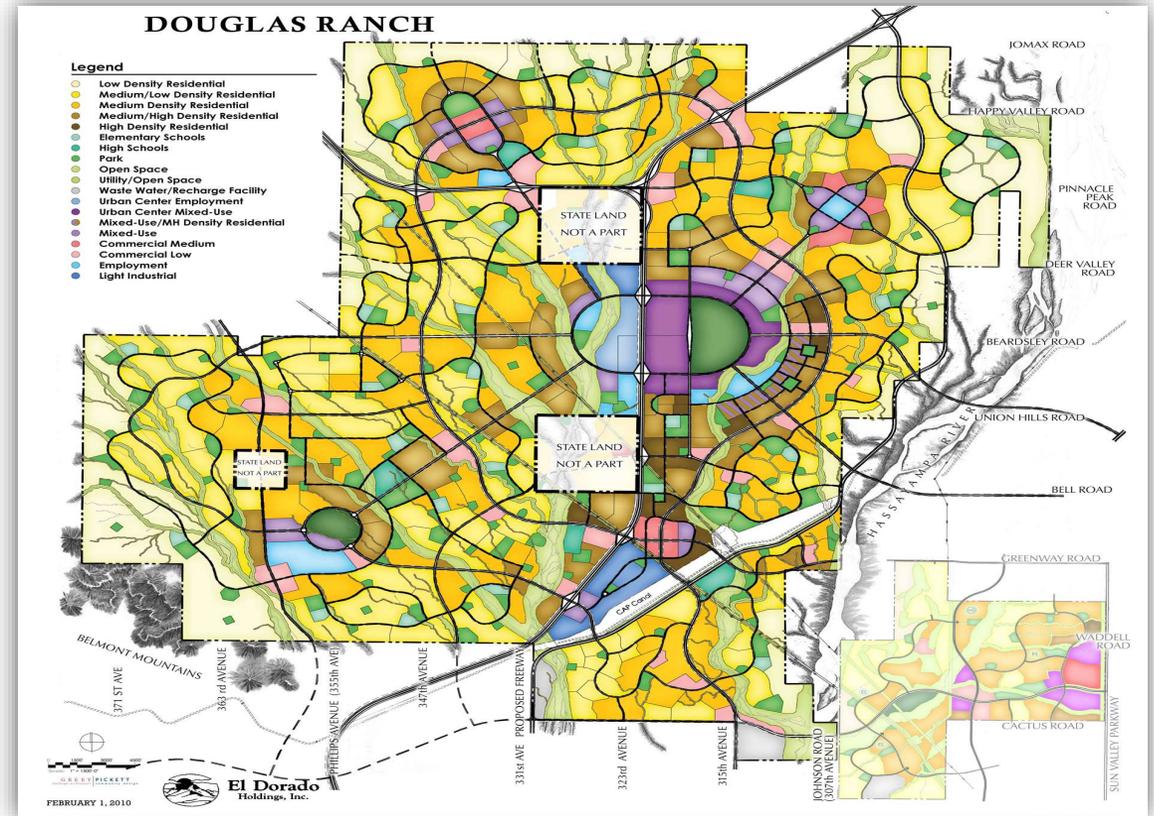
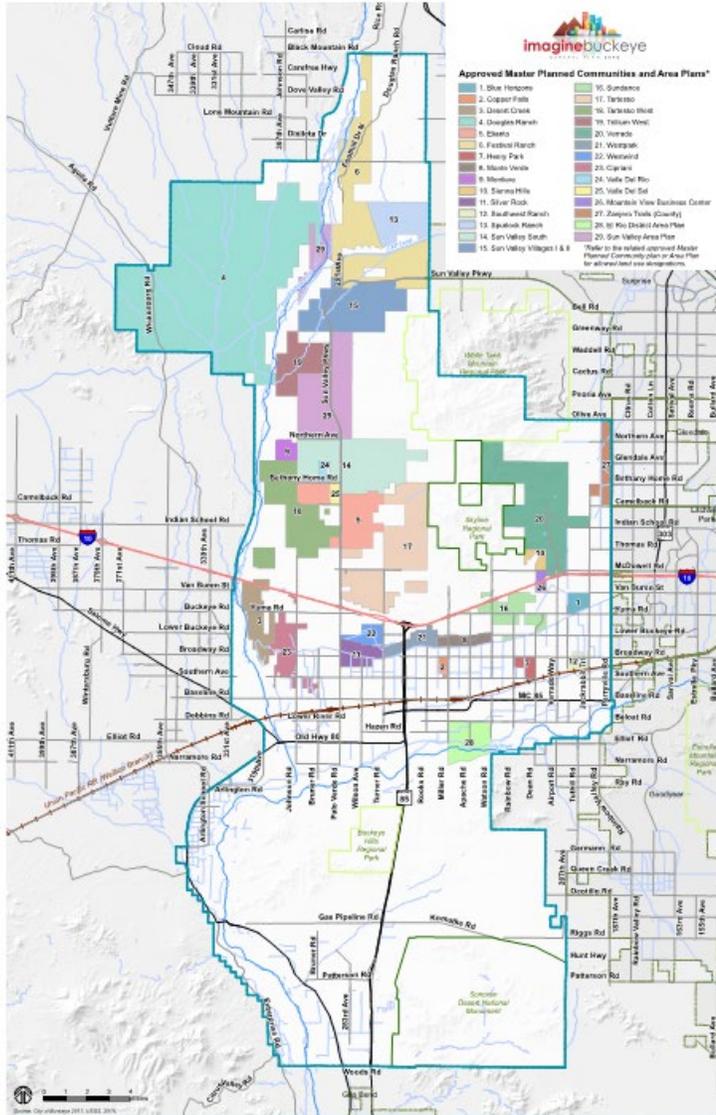


Where We Are

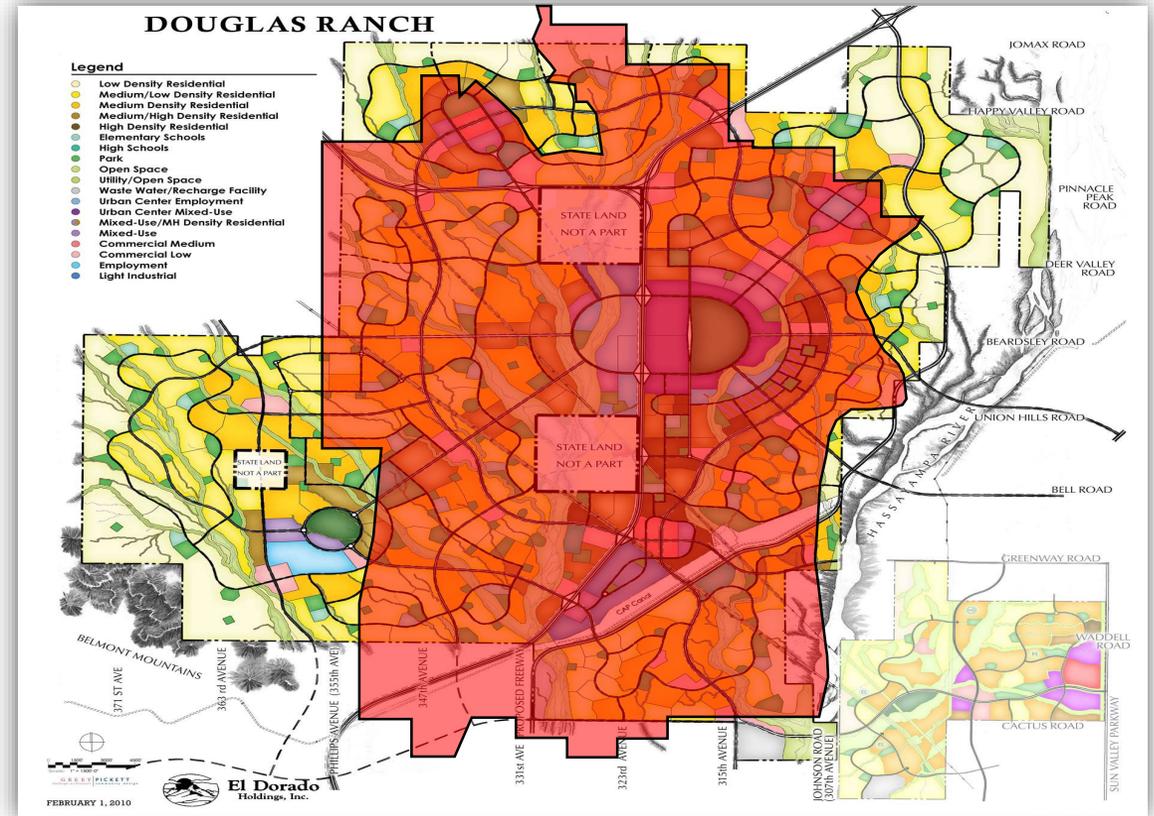
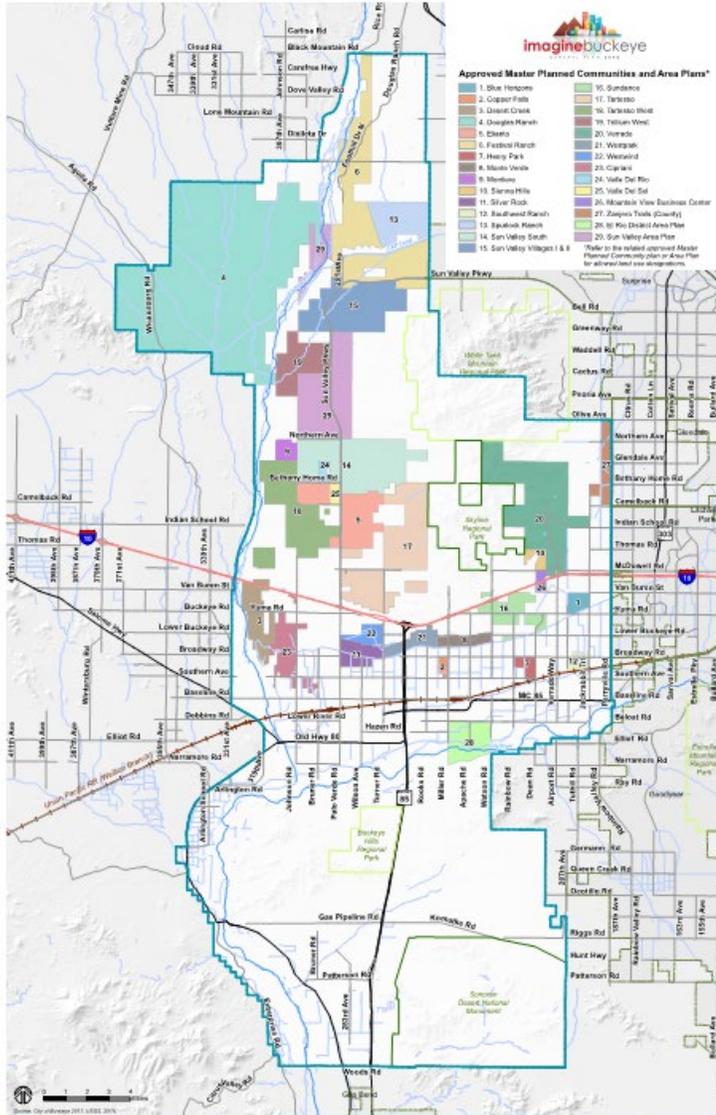


Buckeye can fit the cities of Paris, Philadelphia and Boston into our planning area, with room to spare!!

2040 Imagine Buckeye General Plan



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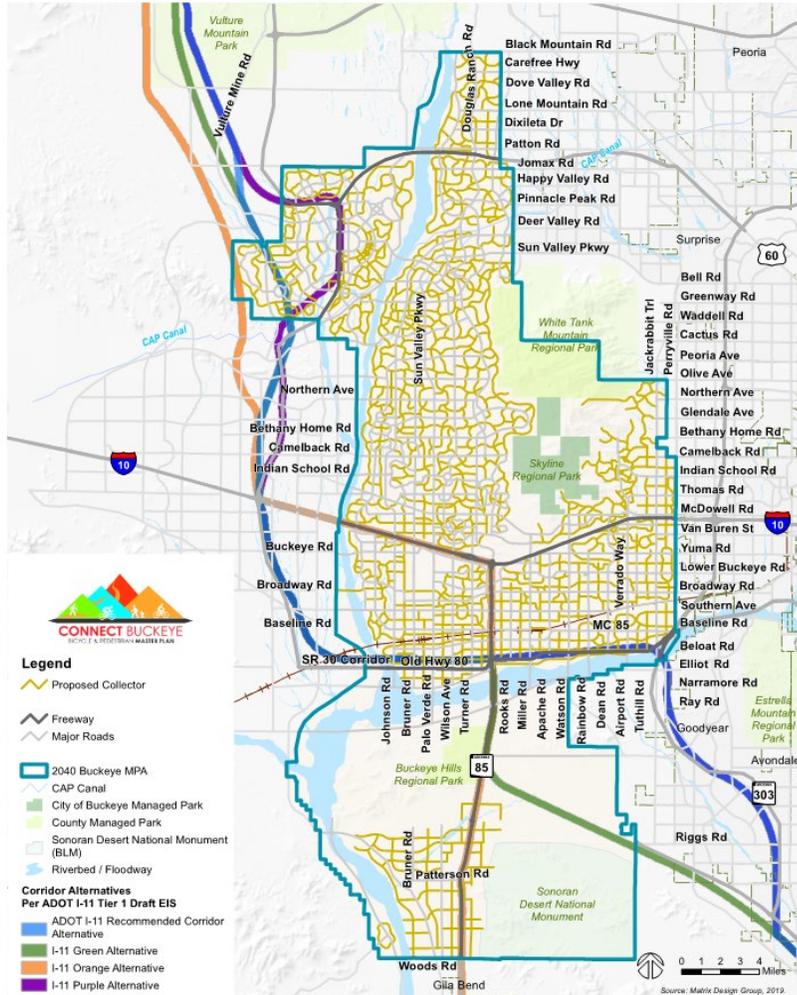


Transportation Master Plan

- Community Master Plans
- Natural Topography
- MAG Traffic Projections



Bicycle and Pedestrian Master Plan



- Continuous for several miles
- Provide Connectivity at half-mile locations

BPMP Plan Development

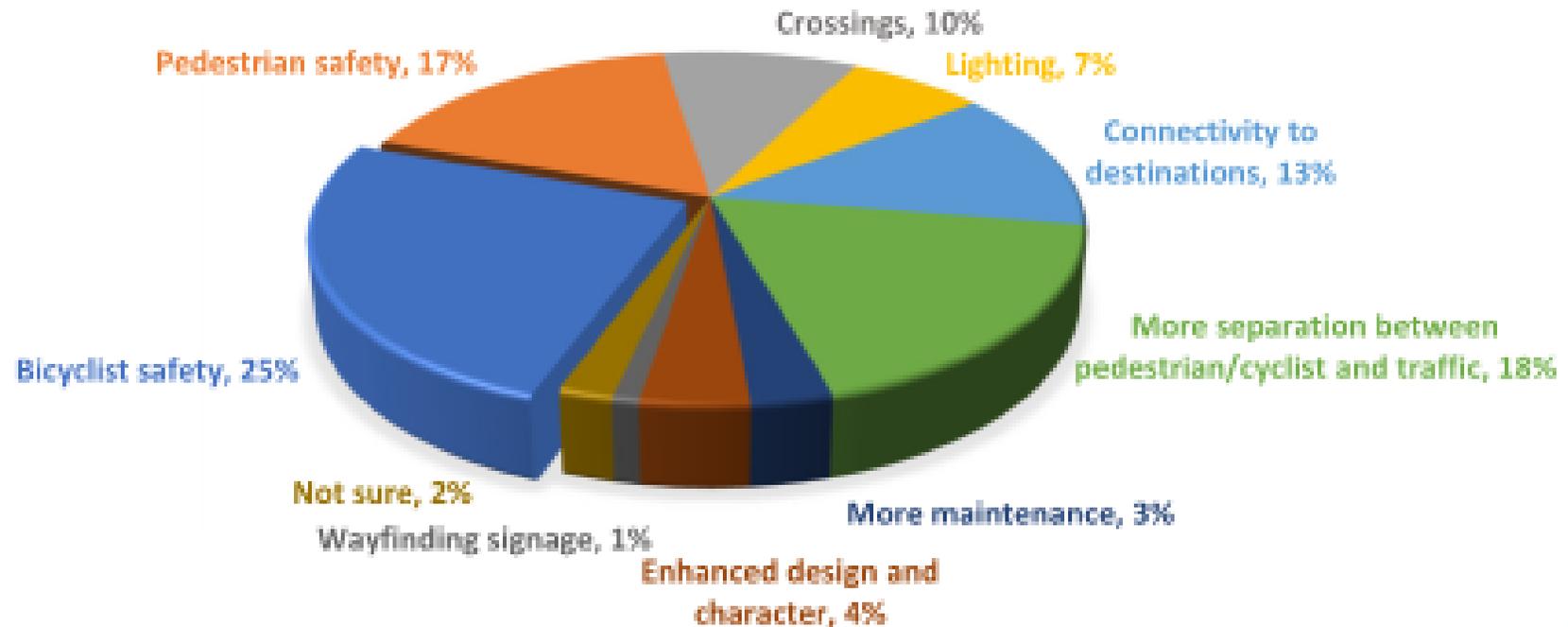
- National Research
 - AASHTO
 - FHWA
 - Other Agencies
- Perception of Safety
- Level of Traffic Stress

Public Meetings

- 3 sets of 2 meetings (January, April, June)
 - North and south areas of City
- Interactive Surveys
- Display Boards

What We Heard

Q12. What are the top 3 improvements needed related to the bicycle and pedestrian network in Buckeye.



What We Heard

- Separation of bicycle and pedestrian traffic from vehicular traffic.
- Separate multi-use paths.
- Separate bicycle and pedestrian facilities.
- On-street facilities with painted buffer or vertical element.
- Accommodate equestrians.

Opportunities

- Power line corridors
- Central Arizona Project
- Irrigation canals
- White Tank Mountains
- River corridors
- Wash corridors

Plan Influences

- Trip Generators
- Existing Bicycle and Pedestrian Network
- Existing Trail Network
- Crash Locations

Parkways

- High speed – limited access roadways

Figure 4-3: Parkway Cross Section



Arterial Streets

- Continuous for many miles – provides connection to destination

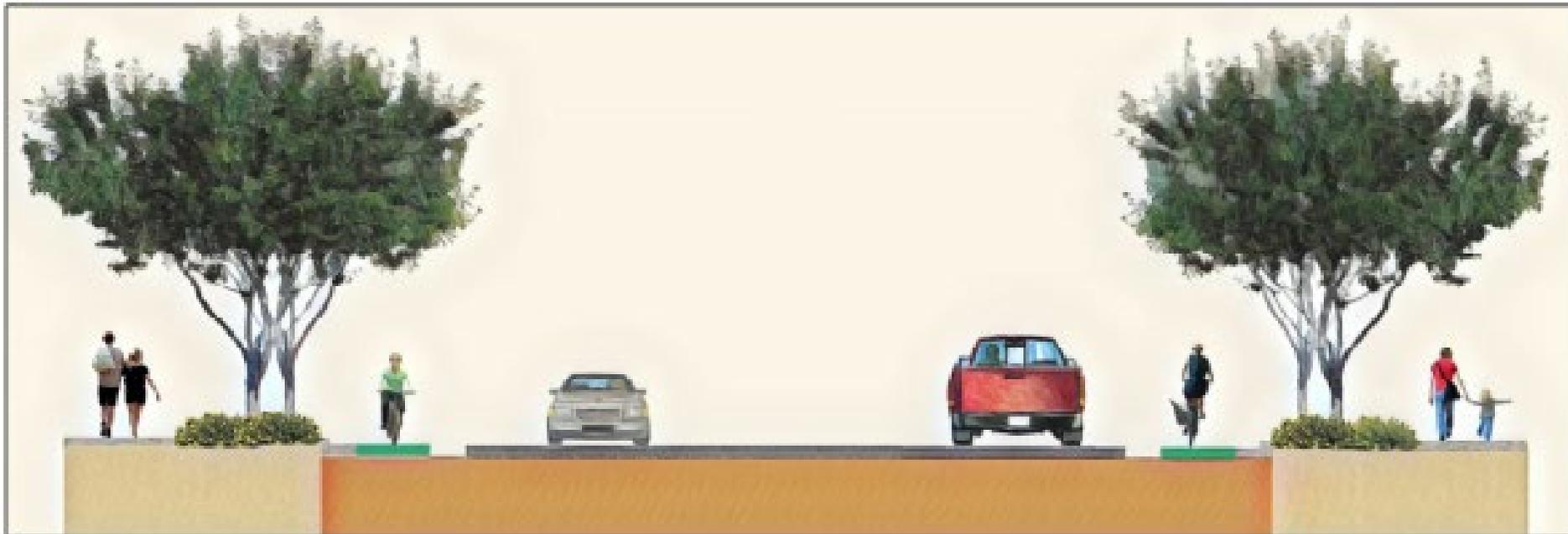
Figure 4-4: Arterial Street Cross Section (140 feet ROW)



Collector Streets

- Neighborhood connectivity – residential area to arterials

Figure 4-6: Collector Street Cross Section



Local Streets

- Direct Access to abutting land uses

Figure 4-8: Local Street Cross Section



Primary Paths

- Hassayampa River, Gila River and Central Buckeye

Figure 4-10: Primary Path Cross Section



Secondary Paths

- Connect neighborhoods with Activity Centers, parks and other destinations

Figure 4-8: Local Street Cross Section



Multi-use Paths

- Typically Power Line Corridors

Figure 4-13: Multiuse Path Cross Section



Canal Paths

Figure 4-14: Canal Path Cross Section



Support Components

- Enhanced Crosswalks
- Bicycle Pavement Markings
- Protected Bike Lanes
- Shade – Mechanical and Natural
- Drinking Fountains/Bottle Filling Stations
- Enhanced Bicycle Stations

Implementation

- Funding Sources – Federal and Regional
- CIP Projects
- Developers



Questions?

