

Fall 2017 Partnership with Apache Junction

ASU Project Cities

LDE 361/590 Landscape Architecture Design Studio 1

& HDA 320 Herberger Design & Arts Corps

Students of Professors Ken Brooks / Kevin Kellogg / Stephani Woodson
The Design School



Project Cities



Presentation Outline

- Teams

Presentation Outline

- Teams
- Site Context

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- Site Context
- Background

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- Site Context
- Background
- Themes

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- Teams
- Site Context
- Background
- Themes
- Conclusions & Recommendations

Teams

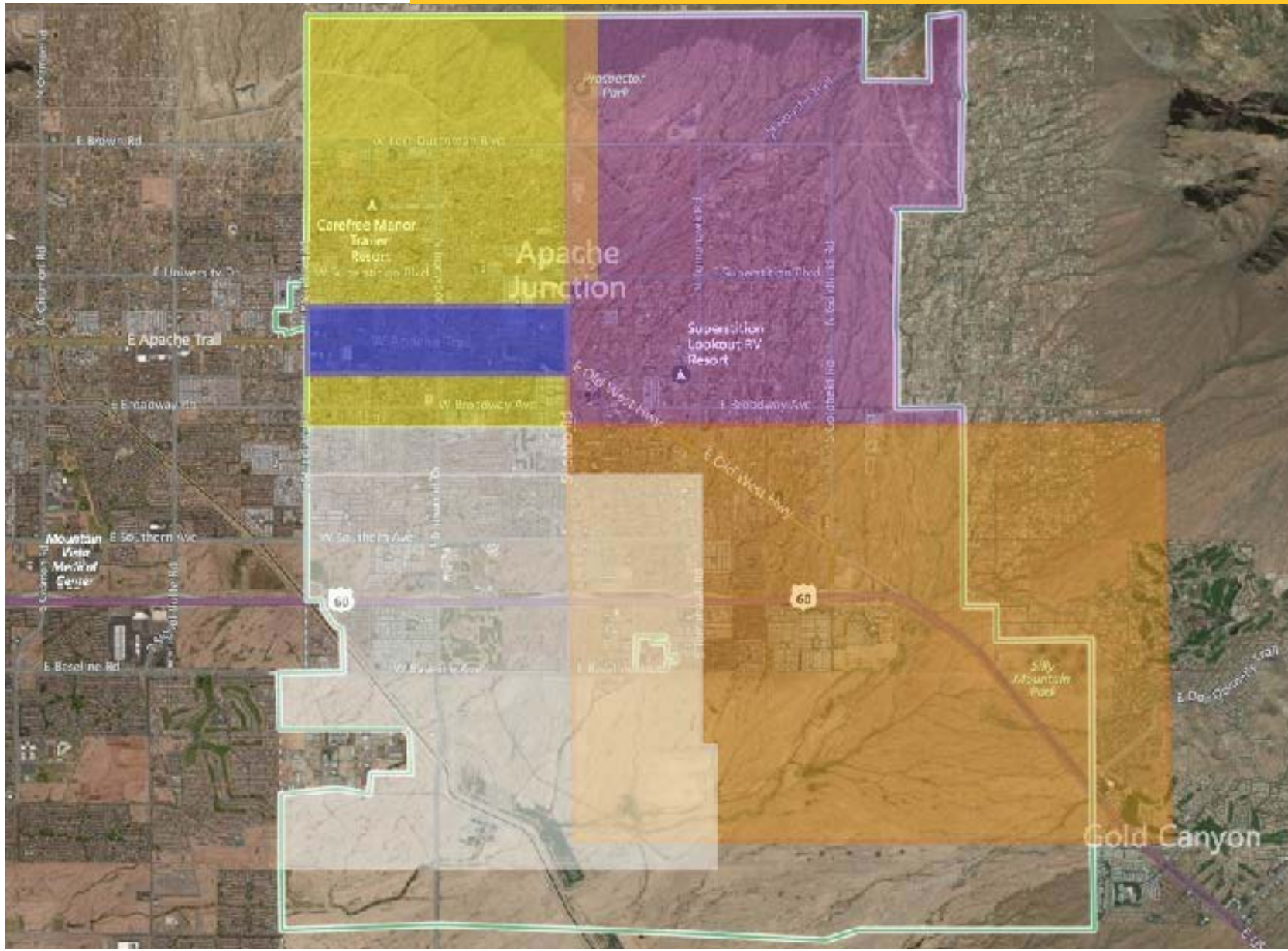


Context

AJ Context



AJ Context



Background

Inventory

Physical Features

Geology, Soil, Topography, Slope, Hydrology, Climate

Biological Features

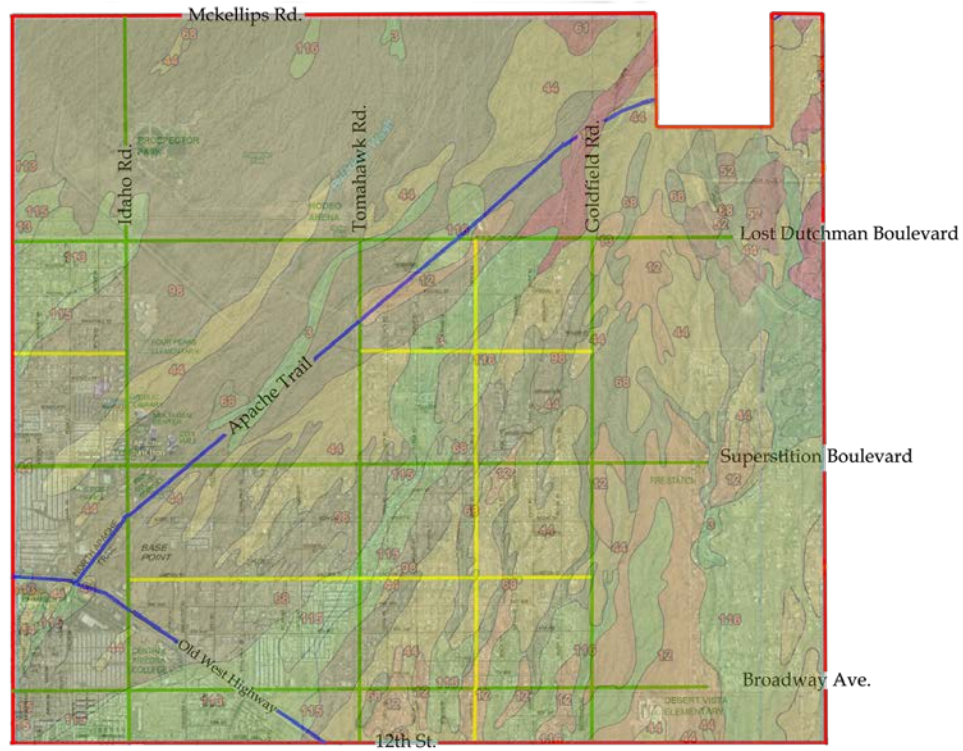
Vegetation, Wildlife, Ecological Communities,
Landscape ecology

Cultural Features (social, cultural, historical, economic factors)

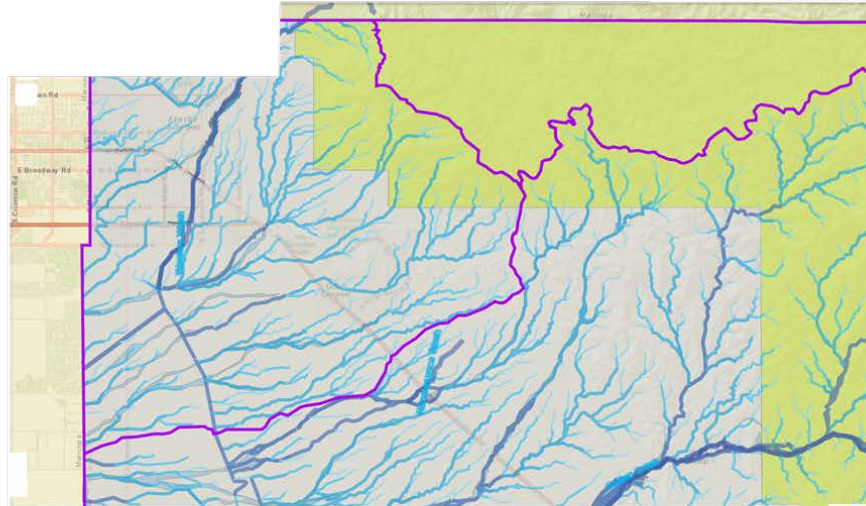
Land use, ownership, institutions, community character
Historic and prehistoric uses of the land
Zoning & subdivision regulations and land use policies
Infrastructure

Natural Factors

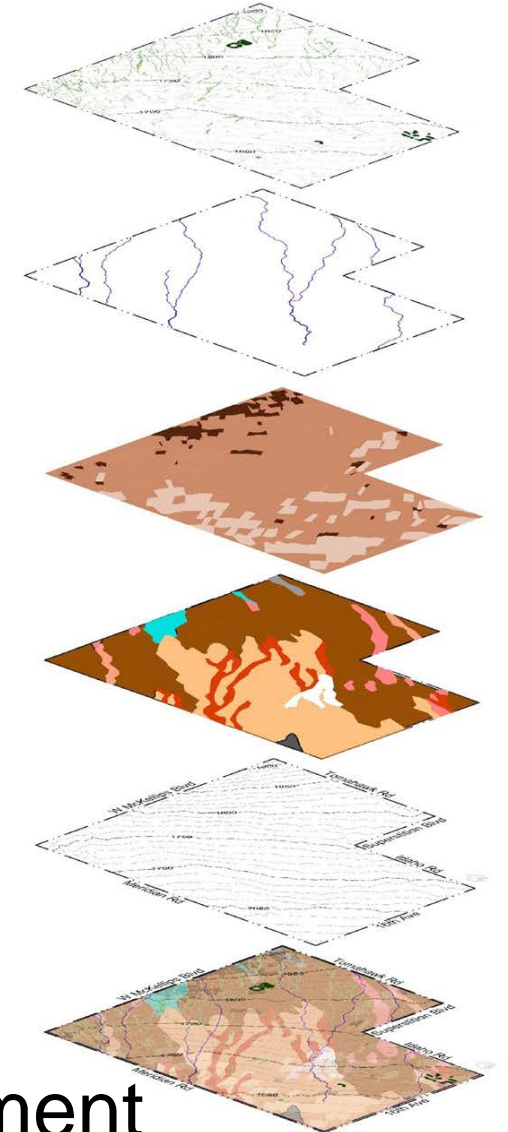
Soils



Hydrology



Overlay Assessment



Human Factors

LAND OWNERSHIP



Source: Apache Junction Comprehensive Transportation Study, 2012

TABLE 2.1: POPULATION AND HOUSING UNIT GROWTH TRENDS

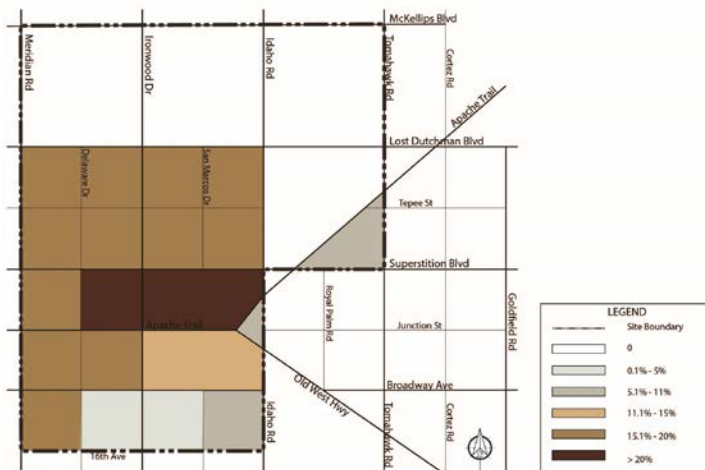
Geographic Area	Population		Population Growth Rate	Housing Units		Housing Units Growth Rate
	2000	2010		2000	2010	
Study Area	38,095	43,474	1.41%	26,321	27,137	0.31%
Pinal County	179,727	375,770	10.91%	81,154	159,222	9.62%
State of Arizona	5,130,632	6,392,017	2.46%	2,189,189	2,844,526	2.99%

Source: U.S. Census Bureau, Arizona Department of Commerce

Current Land Use

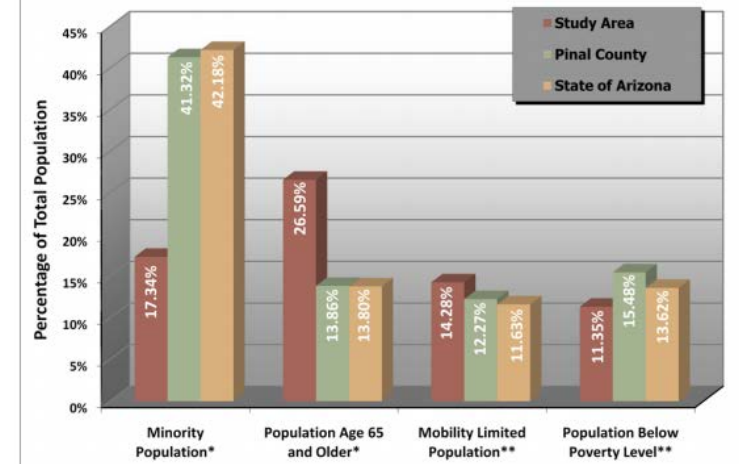


BELOW POVERTY POPULATION



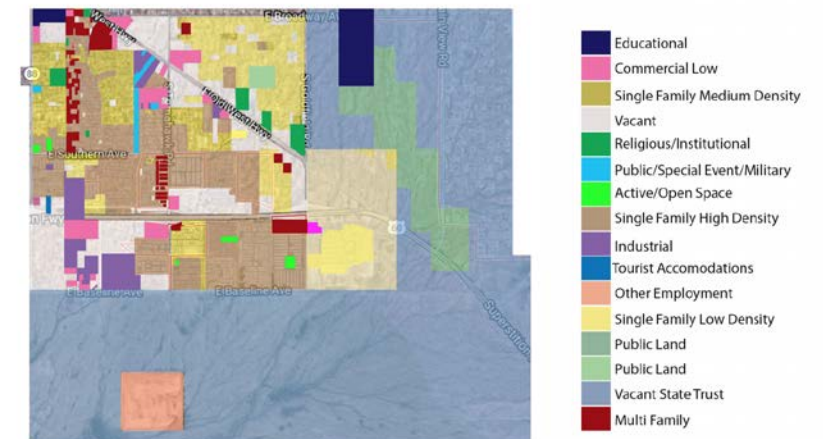
Source: Apache Junction Comprehensive Transportation Study, 2012

FIGURE 2.4: MINORITY, AGE 65 AND OLDER, MOBILITY LIMITED, AND BELOW POVERTY POPULATION COMPARISON



Source: *U.S. Census Bureau 2010; **U.S. Census Bureau 2000

Current Land Use



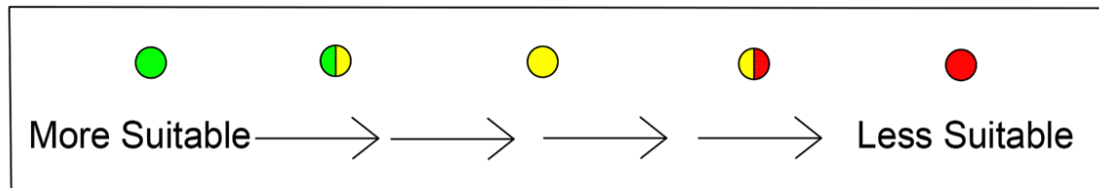
Land Uses

- Residential (various densities)
- Active Recreation
- Commercial
- Open Space
- Institutional
- Circulation
- Agriculture
- Industrial

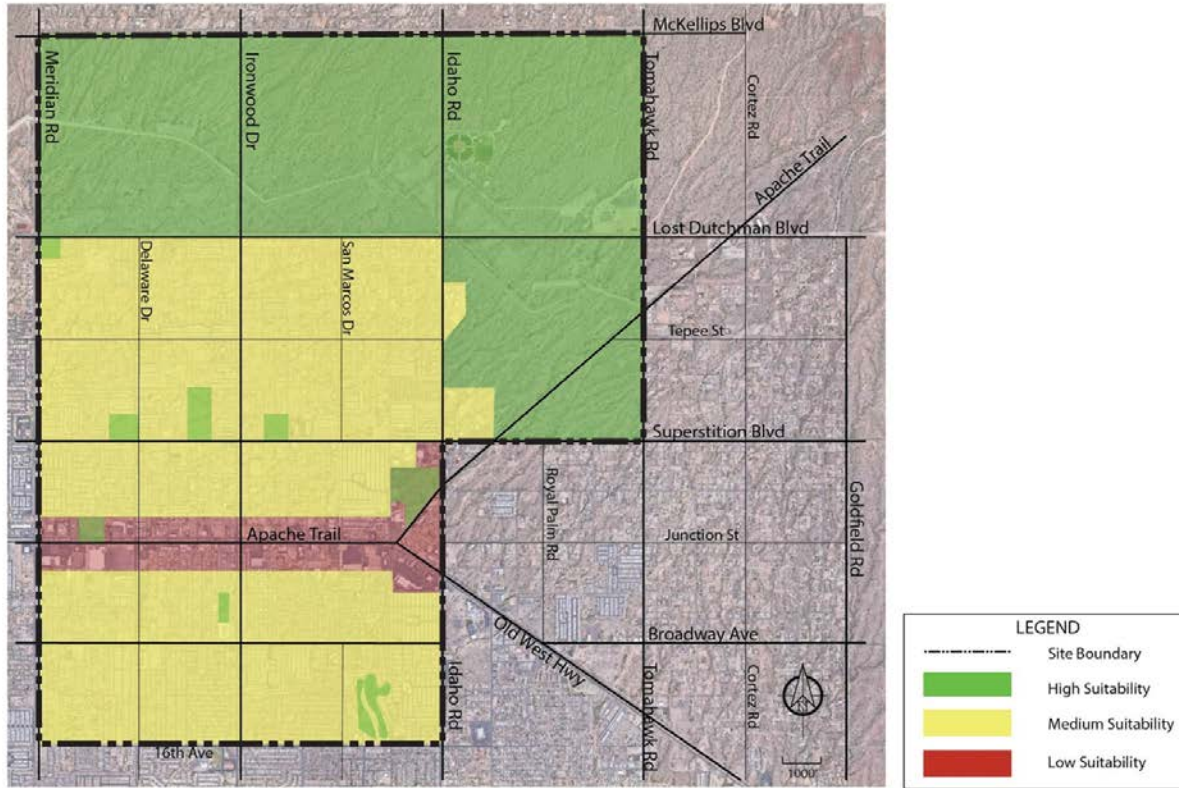
Land Use Suitability

	Agriculture	Commercial	Industrial	Institutional	Recreational	Residential
Human						
Circulation						
Demographics						
Hazards						
History						
Infrastructure						
Landscaping						
Natural						
Climate						
Ecosystems						
Geography						
Geology						
Hydrology						
Natural Disaster						

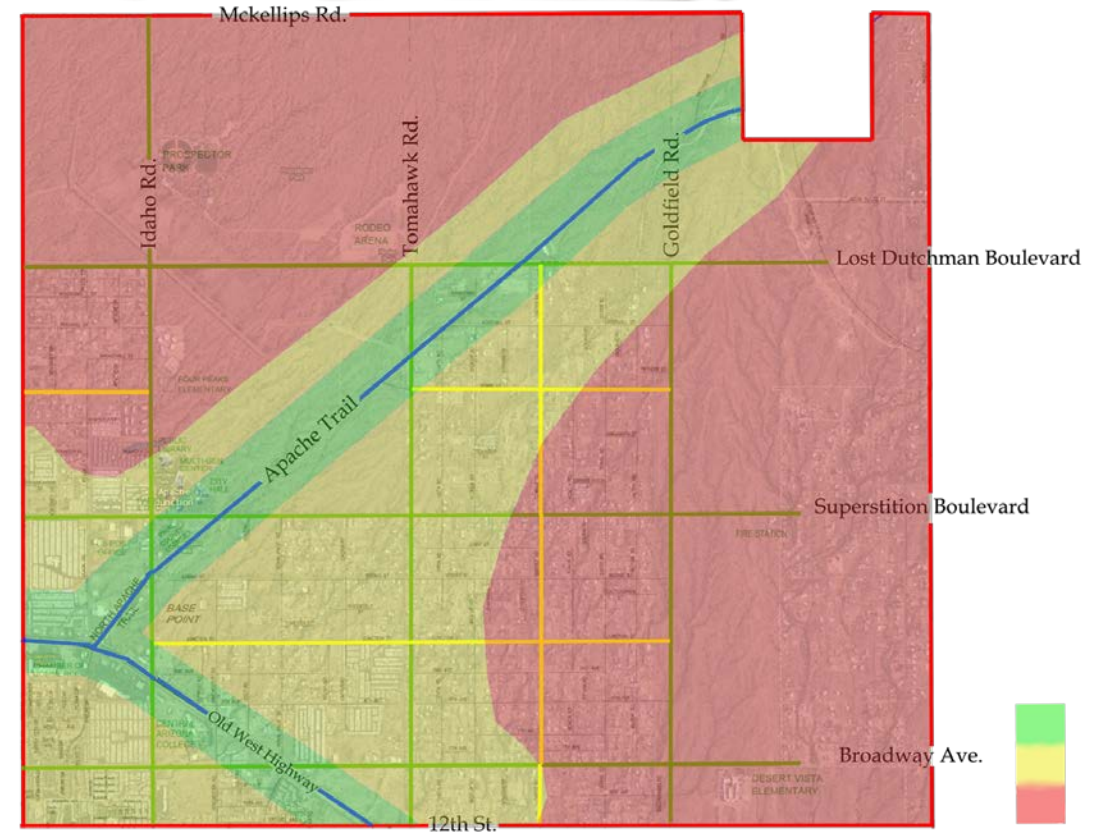
Legend:



Land Use Suitability

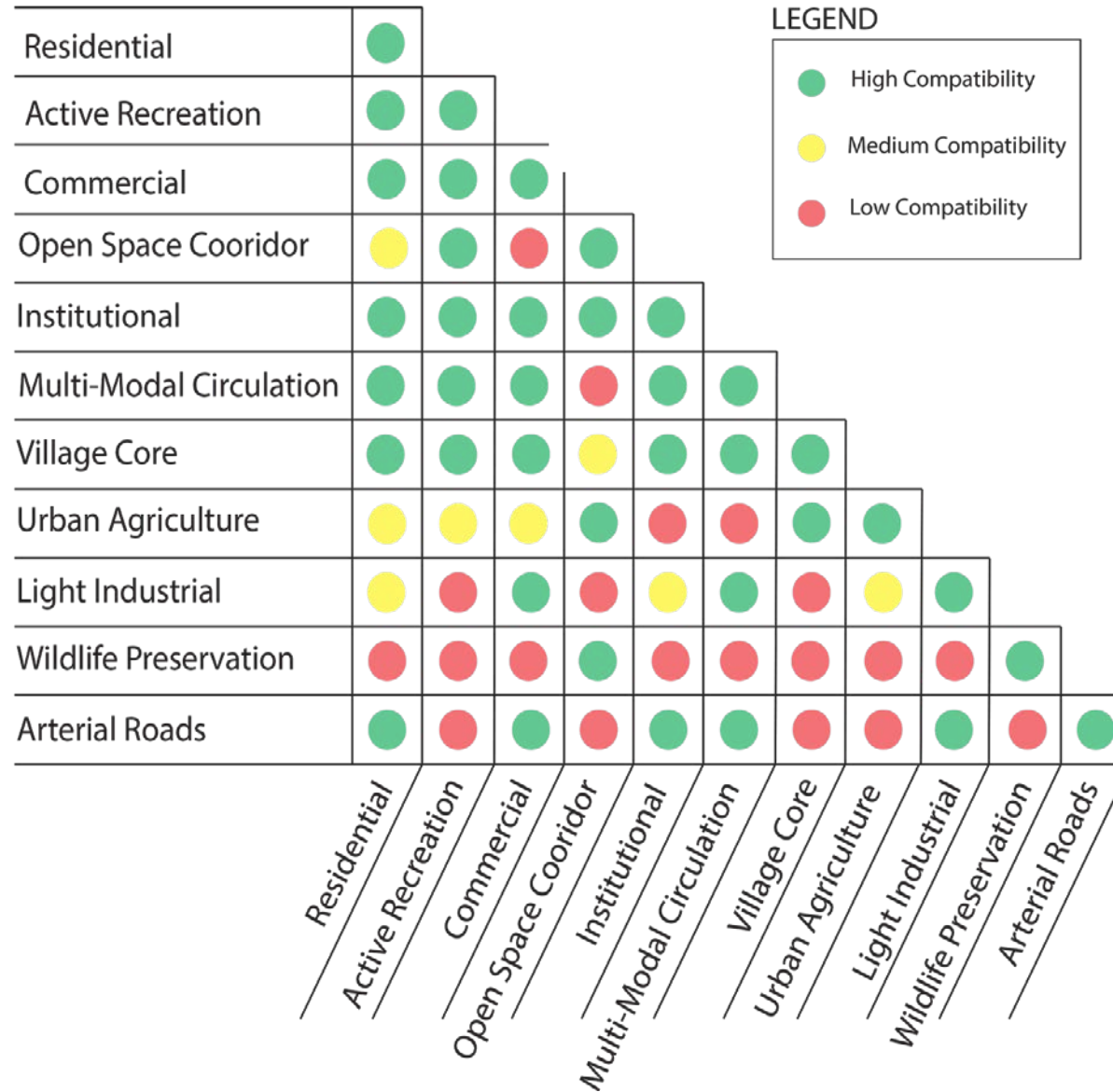


Active Recreation

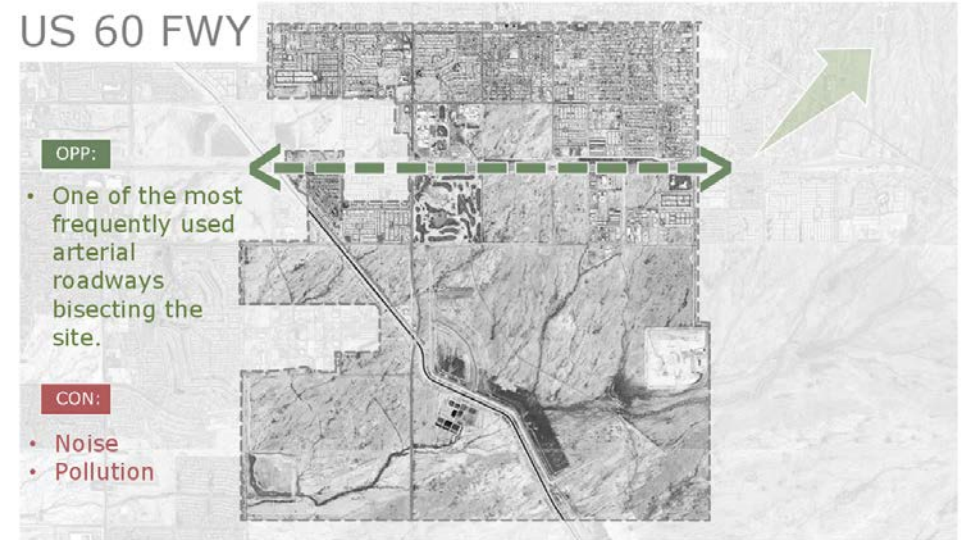
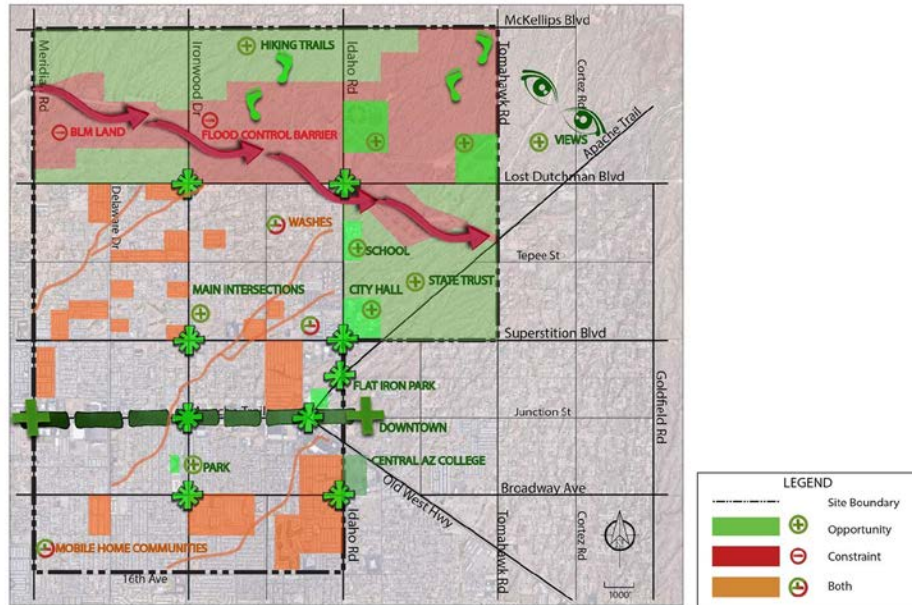


Commercial

Land Use Compatibility



Land Use Opportunities & Constraints



Conclusions & Recommendations

Land Development Themes

Positivity AJ

- Current community image is mixed and not always positive
- Positivity AJ & Land Use
Promoting thematic development can enhance image, create economic opportunity and give unity to community character and land use development

Land Development Themes

- Tourism & Recreation
- Culture & History
- Housing
- Healthy Communities
- Urban Forestry & Urban Agriculture
- Resource Conservation
- Circulation

Tourism & Recreation



Land Development Themes

- Tourism & Recreation
 - Recreation & Social Interaction
 - Ecotourism
 - Outdoor Recreation
 - Natural Recreation
 - Recreational Tourism
 - Active Natural Tourism

Culture and History



Land Development Themes

- Culture & History

Performing Arts & Festival Culture

Visual Arts

Arts & Culture

Cultural Arts & Placemaking

Historic Preservation

Housing



Land Development Themes

- Housing
 - Tiny House Developments
 - Transitional Housing
 - Affordable Housing

Healthy Communities



Land Development Themes

- Healthy Communities

Healthy Aging, Aging in Place

Healthy & Safe Communities

Urban Forestry/Agriculture



Land Development Themes

- Urban Forestry & Urban Agriculture
 - Urban Agriculture
 - Urban Forestry for Human Comfort

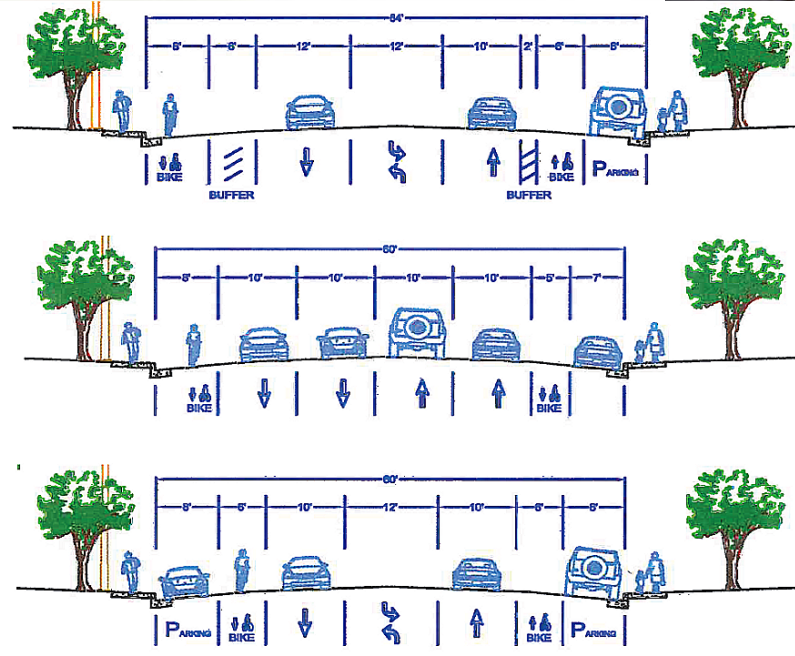
Resource Conservation



Land Development Themes

- Resource Conservation
 - Green Infrastructure w/ Native Plant Communities
 - Solar Community
 - Water Conservation

Circulation



Land Development Themes

- Circulation

Multimodal Complete Community Circulation

Walkability & Bioclimatic Comfort

Walkability & Bikeability

Circulation & Green Infrastructure

Walkability & Complete Streets

Solid Waste Disposal

Most waste problems related to policy issues

No systematic trash pick-up

Trash pile-up in yards around town

A landfill site south of town is in use and has capacity

- Solid Waste & Land Use

Implement a pick-up program

Future landfill closure can become part of open space

Future landfill sites are outside the town

Homelessness

Issues of Perception

~50 regular clients; ~10-15 unlawful

Impact on community image

- Homelessness & Land Use

Improve pedestrian environment downtown

Include affordable housing units in new developments

Off-leash Dog Park

Community has a couple potential sites and development plans for dog parks

- Dog Park & Land Use

Integrate dog parks into open space & recreation plans

Consider small dog-friendly areas in neighborhood open space



Thank you!

**The Students of
Profs Kenneth Brooks & Kevin Kellogg**

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The Design School

ASU Sustainable Cities
Network
Arizona State University

Project Cities



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