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
Presentation Outline

• Teams
Presentation Outline

- Teams
- Site Context
Presentation Outline

- Teams
- Site Context
- Background
Presentation Outline

- Teams
- Site Context
- Background
- Themes
Presentation Outline

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

TABLE 2.1: POPULATION AND HOUSING UNIT GROWTH TRENDS

<table>
<thead>
<tr>
<th>Geographic Area</th>
<th>Population</th>
<th>Population Growth Rate</th>
<th>Housing Units</th>
<th>Housing Units Growth Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study Area</td>
<td>58,995</td>
<td>41,474</td>
<td>1.41%</td>
<td>26,923</td>
</tr>
<tr>
<td>Pinal County</td>
<td>179,727</td>
<td>375,770</td>
<td>10.51%</td>
<td>81,154</td>
</tr>
<tr>
<td>State of Arizona</td>
<td>5,190,663</td>
<td>6,992,017</td>
<td>2.46%</td>
<td>2,189,399</td>
</tr>
</tbody>
</table>

**Current Land Use**

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

**Below Poverty Population**

**Current Land Use**

- Educational
- Commercial Low
- Single Family Medium Density
- Vacant
- Religious/Institutional
- Public/Other: Event/Military
- Agriculture/Commercial
- Industrial
- Tourist Accommodations
- Other Employment
- Single Family Low Density
- Public Land
- Vacant State Trust
- Multi Family
Land Uses

- Residential (various densities)
- Active Recreation
- Commercial
- Open Space
- Institutional
- Circulation
- Agriculture
- Industrial
## Land Use Suitability

<table>
<thead>
<tr>
<th>Human</th>
<th>Agriculture</th>
<th>Commercial</th>
<th>Industrial</th>
<th>Institutional</th>
<th>Recreational</th>
<th>Residential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circulation</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Demographics</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Hazards</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>History</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Infrastructure</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Landscaping</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Natural</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Climate</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Ecosystems</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Geography</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Geology</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Hydrology</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Natural Disaster</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Legend:</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>More Suitable</td>
<td>→</td>
<td>→</td>
<td>→</td>
<td>→</td>
<td>→</td>
<td>Less Suitable</td>
</tr>
</tbody>
</table>
Land Use Suitability

Active Recreation

Commercial
Land Use Compatibility

LEGEND
- Green: High Compatibility
- Yellow: Medium Compatibility
- Red: Low Compatibility
Land Use
Opportunities
& Constraints

LANDFILL
- Distant future opp: Could eventually be turned into a park
- Present Con: Large mound of dirt disrupting view
- Pollution

US 60 FWY
- One of the most frequently used arterial roadways bisecting the site.
- Noise
- Pollution
Conclusions & Recommendations
Land Development Themes
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
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
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
Kenneth.Brooks@asu.edu / Kevin.Kellogg@asu.edu
The Design School

References:
https://theonesketch.deviantart.com/art/Visual-Arts-101707739
http://ampthemag.com/the-real/best-boutique-festivals-this-summer/
http://www.dreams.metroeve.com/festival/