• Avondale doubled in size between 2000 and 2010.
• General Plan 2030 Implementation Strategies
  – Quality of Life Theme
    • Develop gateway improvements such as special landscaping
    • Development of a Street Tree Master Plan
• Supports Sustainability Plan
  – Land Use, Transportation, Air Quality, and Ecosystems Sections
BENEFITS OF TREES

ENVIRONMENTAL

• Absorb CO2 & provide Oxygen
• Reduce Storm Water Runoff
• Reduce Heat Island Effects
SOCIAL & PSYCHOLOGICAL

• Improve aesthetics & color along streets
• Calm Traffic Speeds
• Support multi-modal & social interaction
• Deflect, reflect and absorb traffic noise
• Provide buffers of unpleasant objects & add privacy
BENEFITS OF TREES

ECONOMIC

• Increase Property Values

• Street trees create slower and more appropriate urban traffic speeds and increase customer traffic to businesses
RESOLUTION NO. 3231-1214

A RESOLUTION OF THE COUNCIL OF THE CITY OF AVONDALE, ARIZONA, ADOPTING THE CITY OF AVONDALE STREET TREE MASTER PLAN.

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF AVONDALE as follows:

SECTION 1. The City of Avondale Street Tree Master Plan is hereby adopted in substantially the form and substance attached hereto as Exhibit A and incorporated herein by reference.

SECTION 2. The Mayor, the City Manager, the City Clerk and the City Attorney are hereby authorized and directed to take all steps necessary to carry out the purpose and intent of this Resolution.

PASSED AND ADOPTED by the Council of the City of Avondale, December 1, 2014.

[Signature]
Kenneth N. Weise, Mayor

ATTEST:

[Signature]
Carmen Martinez, City Clerk

APPROVED AS TO FORM:

[Signature]
Andrew J. McGuire, City Attorney
STREET TREE MASTERPLAN

GOALS

• Create a unified street tree program for beautification of the City’s right-of-way and community
• Define gateway entrances to the City
• Create a consistent tree canopy to encourage walkability, bicycling & social interactions
• Right Tree, Right Place: Designate trees best suited for our local environment
• Provide maintenance guidelines to ensure health and longevity of our trees
FOR:

- City Staff
- Landowners and Developers
- Landscape Contractors
- General Public
KEY OBJECTIVES

• Enhance quality of life for residents and visitors.
• Create a healthy urban forest that benefits all through multiple benefits.
• Identify species that provide large shade canopies.
• Utilize ISA and ANSI pruning standards.
• Serve as an example for private property owners.
• Promote walking, biking and outdoor activities.
• Encourage residents to voluntarily preserve and protect trees under their stewardship.
North Avondale Character Area Findings
North Avondale Character Area Findings

A1 Segment - Indian School Rd from 137th Ave. to Dysart Rd.

Street Type: Arterial  
Orientation: e/w  
Street Width: 4 travel lanes + center turn lane  
Zoning: Medium Density Residential and Local Commercial  
Raised Median: Yes at intersection of Dysart Rd.  
Sidewalk characteristics: 8’ detached meandering – south side only  
Overhead utilities: Yes, north side, switches to south side after Wigwam Boulevard intersection  
Canal or drainage way: Yes, south side

Existing Street Tree Species: Palo Verde and Ash (located in adjacent land uses).

Findings
This stretch of Indian School Road is void of physical plant material. The north side contains no sidewalk but has a varying 10’ to 20’ wide landscape area between curb and subdivision perimeter wall, with overhead power lines. The south side contains an 8’ detached meandering sidewalk with a varying 2’ to 8’ wide landscape area between curb and sidewalk.

Recommendations
The existing right-of-way, adjacent landscape areas and tract provide sufficient landscape area to create a shaded walkable environment. Provide a tree palette to accentuate the entrance into the City of Avondale and locate shade canopy trees between the curb and sidewalk to improve shade qualities. Extend raised planted median to provide visual relief and assist in unifying the streetscape. Streetscape planting should meet current zoning ordinance for right-of-way landscape. New and replacement trees will be used to develop a primary street tree theme, providing a consistent and unified aesthetic. Functions utilized: Accentuation, Community Continuity and Moderation of Air Temperatures.
MASTER PLAN CHARACTER AREAS

- North Avondale
- Freeway Corridor
- City Center
- Historic Avondale
- Central Core
- South Avondale
GATEWAYS

Overall Character Area Map

Gateway Intersections
MONUMENTS AND WAYFINDING
<table>
<thead>
<tr>
<th>Character Specific Trees</th>
<th>Character Specific Trees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese Elm</td>
<td>Willow Acacia</td>
</tr>
<tr>
<td>Evergreen Oak</td>
<td>Swan Hill Olive</td>
</tr>
<tr>
<td>Indian Rosewood</td>
<td>Desert Willow</td>
</tr>
<tr>
<td>Thornless Cascabelote</td>
<td>Mexican Redbud</td>
</tr>
<tr>
<td>Palo Verde</td>
<td>Red Push Pistache</td>
</tr>
<tr>
<td>Mulga</td>
<td>Mastic</td>
</tr>
<tr>
<td>Sweet Acacia</td>
<td>Chaste</td>
</tr>
<tr>
<td>Thornless Mesquite</td>
<td>Ghost Gum</td>
</tr>
<tr>
<td>Chitalpa</td>
<td>Date Palm</td>
</tr>
</tbody>
</table>

![Images of various trees](image-url)
CHARACTER SPECIFIC TREES

STREET PLANTING DIAGRAMS
### Freeway Corridor Character Area Primary and Secondary Street Trees

<table>
<thead>
<tr>
<th>Street Info</th>
<th>Arterial Streets</th>
<th>Collector Streets</th>
</tr>
</thead>
<tbody>
<tr>
<td>X: Existing</td>
<td>X</td>
<td>Corporate Drive</td>
</tr>
<tr>
<td>P: Primary Tree</td>
<td>Thomas Rd.</td>
<td>Rancho Santa Fe Blvd.</td>
</tr>
<tr>
<td>S: Secondary Tree</td>
<td>McDowell Rd.</td>
<td>115th Ave.</td>
</tr>
<tr>
<td></td>
<td>Van Buren St.</td>
<td>117th Ave.</td>
</tr>
<tr>
<td></td>
<td>Dyar Rd.</td>
<td>El Mirage Rd.</td>
</tr>
<tr>
<td></td>
<td>Avondale Blvd.</td>
<td>Roosevelt St.</td>
</tr>
<tr>
<td></td>
<td>90th Ave.</td>
<td>111th Ave.</td>
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</table>

<table>
<thead>
<tr>
<th>Street Name</th>
<th>Key</th>
<th>Arterial Streets</th>
<th>Collector Streets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indian Rosewood</td>
<td>P</td>
<td>P</td>
<td>P</td>
</tr>
<tr>
<td>Palo Verde spp.</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Red Push Pistache</td>
<td>P</td>
<td>P</td>
<td>P</td>
</tr>
<tr>
<td>Swan Hill Olive</td>
<td>P</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sweet Acacia</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Thornless Mesquite spp.</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
<tr>
<td>Willow Acacia</td>
<td>S</td>
<td>S</td>
<td>S</td>
</tr>
</tbody>
</table>

### Freeway Corridor Character Area Street Tree Palette Matrix

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Botanical Name</th>
<th>Size</th>
<th>Height (average)</th>
<th>Spacing</th>
<th>Form</th>
<th>Exposure</th>
<th>Tree Type</th>
<th>Growth Rate</th>
<th>Litter</th>
<th>Pruning or Trimming</th>
<th>Use</th>
<th>Retain or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese Elm</td>
<td>Ulmus parvifolia spp.</td>
<td>L</td>
<td>40</td>
<td>10</td>
<td>10</td>
<td>F, RS</td>
<td>8, 4</td>
<td>8, 4</td>
<td>5, 3</td>
<td>5, 3</td>
<td></td>
<td></td>
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<tr>
<td>Evergreen Oak spp.</td>
<td>Quercus virginiana ssp.</td>
<td>L</td>
<td>40</td>
<td>10</td>
<td>10</td>
<td>F, RS</td>
<td>8, 4</td>
<td>8, 4</td>
<td>5, 3</td>
<td>5, 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indian Rosewood</td>
<td>Dillenia indica</td>
<td>L</td>
<td>40</td>
<td>10</td>
<td>10</td>
<td>F, RS</td>
<td>8, 4</td>
<td>8, 4</td>
<td>5, 3</td>
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<td>8, 4</td>
<td>5, 3</td>
<td>5, 3</td>
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<td></td>
</tr>
<tr>
<td>Willow Acacia</td>
<td>Acacia salicina</td>
<td>L</td>
<td>40</td>
<td>10</td>
<td>10</td>
<td>F, RS</td>
<td>8, 4</td>
<td>8, 4</td>
<td>5, 3</td>
<td>5, 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thorns Acacia</td>
<td>Acacia salicina</td>
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<td>40</td>
<td>10</td>
<td>10</td>
<td>F, RS</td>
<td>8, 4</td>
<td>8, 4</td>
<td>5, 3</td>
<td>5, 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MAINTAINING HEALTHY TREES

PRUNING GUIDELINES
• Tree health
• Public Safety
• Aesthetics
• Follows ANSI A300 and ISA Pruning Standards

FERTILIZATION & WATERING
• Frequency Guidelines
• Depth of watering
• Seasonality stipulations
NEXT STEPS/IMPLEMENTATION

- Maricopa County Justice Center – Van Buren & 105th Avenue.
- McDowell Road Corridor between 99th Avenue and 107th Avenue.