

Urban Forestry Management Plan

Challenges & Successes

November 15, 2006

BGSU Retirees Association

Challenges

- Reactive Urban Forestry Program
- Weather events caused major tree failure and property damage.
- High cost associated with tree failure.



Challenges

- Trees not planted to ANSI Nursery Standards.
- Trees were stressed and impacted by insects, disease, too much water, drought.
- Trees not maintained after planting.



Storm Damage



Urban Forestry Division Program Goals - 2006

- Our focus in 2006 will be on priority tree removals and priority pruning of tree branches in public right-of-way.
- Priority trees are categorized as “critical” if they are dead or has one or more defects that are potential safety hazards to the public.

Street Trees

- Dead & Diseased Trees
- Splits and Cracks
- Safety Concerns for Public
- Damage to Infrastructure
- Buildings
- Vehicles

City Street Trees



Insects & Disease



Next Step

- Long-Term Maintenance Program
- 100% Inventory of Street Trees.
- Begin Removal Stage of Program.
- Pruning Cycle 4-6 Years.
- Prune newly planted trees every 2, 4, 7, & 10 years to train trees to fit the site.
- Plant 1/10th to 1/20th of the planting sites.
- 10-20-30 Planting Rule. White Oak is a species, Quercus is a genus, and Fagaceae is the Family.
- Program provides a stable budget to maintain City trees.

Rotary Nature Center

- Dead & Diseased Trees
- Severely Leaning
- Splits and Cracks
- Safety Concerns for Public
- Damage to Infrastructure
- Power Lines
- Buildings
- Vehicles

Preview Critical Trees



Tree Defects



The Next Step

- Nature Resource Coordinator plans to plant native woodland plants and trees to replace trees removed.
- Parks Director, Natural Resources Coordinator, and City Arborist to incorporate a long-term forest ecosystem management plan in Nature Preserve.

City Park Trees

- Dead & Diseased Trees
- Splits and Cracks
- Safety Concerns for Public
- Damage to Infrastructure
- Buildings
- Vehicles

Preview Critical Trees



Tree Defects



The Next Step

- Future planting at City Park to incorporate diversified tree species.
- Recently planted Sugar Maple, Bald Cypress, London Plane Trees, Ginkgo, Red Oak.
- Maintain natural Oak Savannah by vertical mulching, radial trenching, and fertilizing to preserve the large oak trees.
- Parks Director, Nature Resources Coordinator, and City Arborist to create long-term Master Tree Planting Plan.

Tree Commission Educational Seminars



TC Arbor Day Program



Success Stories

- Competitively bid tree planting and tree maintenance.
- New Specifications for Tree Planting and Tree Maintenance.
- Created the State of Ohio first Emerald Ash Borer Mgmt Plan in 2005.
- Coordinate with all City Departments on tree planting and landscaping.
- Presentations to organizations in the City.
- Created a new Arborist Website!

Success Stories

- GPS/GIS Inventory of all City Trees (7500)
- Priority trees on west of the city completed in 2005.
- Priority trees on east of the city to be completed in 2006.
- Planted 900 plus trees from 2004 through 2006.
- Completed the renovation of Raney Playground & Bellard Park.
- Completed the Triangle Park.

Success Stories

- Held 8 Seminars on trees for Public.
- Hosted 3 Workshops for Government Employees (EAB, Air Spade, Arborist I).
- Arbor Day Program with 5th Grade Elementary Schools.
- Free consultation on private trees on insects & disease.
- Set the State of Ohio Record in Tree City USA Growth Award in 2005 with 55 points.
- Slippery Elm Trail Improvement.

Bellard & Raney Renovation



Success Stories



Success Stories







Felinus declinus

Cat Stratch Fever



Rotary Nature Center

