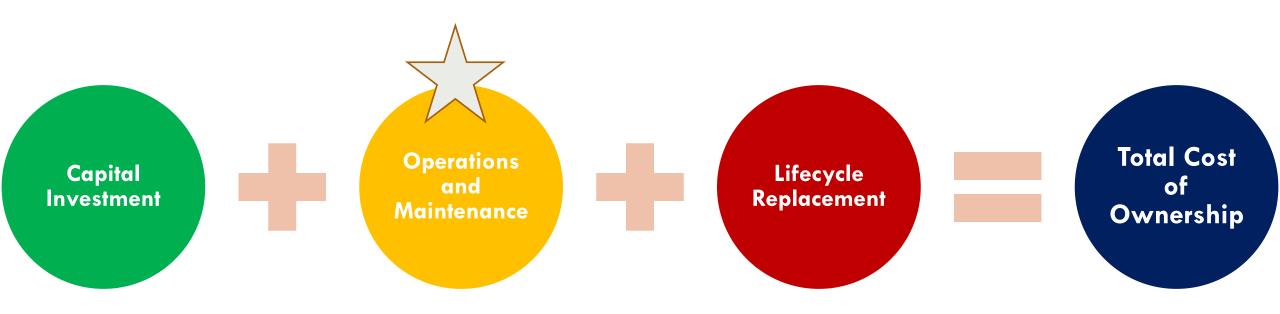


Agenda

- Denton by the Numbers
- Denton Parks by the Numbers
- Lines of Service
- Maintenance Standard Review
- Staffing Analysis
- Operational Funding Analysis
- Other Recommendations

Total Cost of Ownership



Denton By The Numbers

- 140,000 = Current Population of Denton
- 97 = Cost of Living index 3 % less than United
 States as a whole
- 97.95 = Number of square miles of Denton
- 1,452 = Number of people per square mile in
 Denton

Denton Parks By The Numbers

- 1,095 = Acres of Existing Developed Park Land
- 2,840 = Acres of Existing Natural Area Park Land
- 63 = Miles of Existing Trail
- \$627.6 MM = Value of Existing Parks and Trails System (does not include facilities and pools)
- \$9.14MM = Annual Parks/Trails Maintenance Budget
- \$227K = Annual Clear Creek Preserve Maintenance Budget
- 61.19 = Parks Maintenance Full-time Employee Equivalents



Lines of Service



Lines of Service – Grounds and Trades

Parks and Grounds Maintenance
Lines of Service
Athletic Field Maintenance
Citizen Inquiries
Contract Management
Custodial Services/Cleaning
Department and other Special Event Support
Dog Park Maintenance
Education and Outreach
Equipment Maintenance (park maintenance equipment - mowers, etc)
Facility Grounds Maintenance
Flag/Flag Pole Maintenance and Installation
Furniture, Fixtures Maintenance and Repair
Highwater Call out
Homeless Encampment Cleanup
Illegal Dumping Cleanup
Integrated Pest Management
Lake Management
Maintenance Yard Management
Mountain Bike Trail
Natural Resource/Open Space
On Call - Off duty call out
Park Construction - New
Park Facility Repair and Maintenance (restrooms, shelters, etc)
Park Permit/Special Event Facilitation
Pathway and Trail Maintenance
Playground Maintenance and Installation
Preventative Facility Maintenance
Restroom Custodial Services
Right of Way and Median Maintenance - General (mow blow go)
Right of Way and Median Maintenance - Specialized - landscape beautification - trees, flowers, shrubs
Snow and Ice Removal
Trash Removal
Tree Maintenance (Basic)
Turf Management
Vandalism - Cleanup and Repair
Volunteer Management

Trades
Lines of Service
Amenity installation and repairs
Aquatic Maintenance (see below)
Bridge maintenance
Concrete Maintenance and installation
Construction Projects
Contract Management
Dock maintenance
Door and key management
Electrical System Maintenance and Installation
Fence maintenance and installation
High Water call out
Irrigation System Maintenance and Installation
Landscape Maintenance
Lift station maintenance
Painting
Park lighting
Plumbing maintenance
Pond pump/ aeration maintenance and installation
Roofing
Sign maintenance and fabrication
Special Event Support



Lines of Service - MRT

Response Team Lines of Service

City wide mowing response

City Wide pesticide application

IPM program

Management of mowing contracts

Tree maintenance and inventory (see below)

Wildflower Program

Cemetery
Lines of Service
Cemetery Facilities Maintenance
Cemetery Forestry
Customer Service
Equipment Maintenance/Repair
Funeral Service
Grave Service Management
Irrigation System Maintenance/Management
Permanent Records Management
Restroom Custodial Services
Sidewalks/Trails/Road Maintenance
Special Event Facilitation
Turf/Grounds Maintenance
Volunteer Management

Urban Forestry Maintenance Lines of Service Citizen Inquiries **Contract Management Education and Outreach Irrigation Systems** Storm Clean-Up Traffic Safety Management **Trail Clearing Tree Inspections and Protection** Tree Inventory Management **Tree Planting** Tree Pruning and Maintenance Tree Removal Volunteer Management



Lines of Service – Athletic Fields

Athletic Maintenance Lines of Service

Drainage Systems

Hard Surface Maintenance (includes Parking lots, plazas and sidewalks)

Horticulture Maintenance

Infield Maintenance

Irrigation Systems

Lighting Security/Area

Misc

Mowing

Outdoor Court Maintenance

Playground Maintenance (Note: All Playgrounds are Level One)

Restrooms in Parks

Shade/Shelters

Sign Maintenance

Site Amenity/Structure Maintenance

Storm Cleanup (Wind, Snow, Emergency Events)

Tools & Equipment

Tree Maintenance

Turf Maintenance

Vandalism/ Graffiti Removal/Transient Clean Up

Waste Management

Athletic Maintenance (Cultural Practices) Lines of Service

Apply wetting agents to assist in uniform soil moisture

ASTM Impact Attenuation Testing

Complete site edging /String Trim

Core Aeration

Fertilization

Hand water as needed

Lining the fields

Mechanical control of weeds in turf

Overseed and spot-treatments to improve grass cover

Paint Lines in Turf

Recycle-dressing on sand based fields

Remove leaves and organic debris from turf

Remove or blow grass clippings if visible

Top dressing

Trim fence lines once per month during growing season



Maintenance Standards Review

- Does have routine parks and grounds maintenance plans with task, frequency and season of year for each of the four core areas of service in place but...
- A formalized maintenance management plan with task/frequency standards needs to be developed.



Staffing Levels



Staffing Levels - Parks

Best practice ratio of staff per general park acres
maintained at a best practice for parks maintained at a
Level 2 standard is 1 FTE for every 12 - 15 acres

1,095 developed acres of park land at Level 2



Staffing Levels - Parks (not including Clear Creek)

- 60.19 = FTE for Parks Maintenance
- \$87K = Average FTE Cost (Full Compensation Package)
- 14.2 = Contract Services FTE Count (\$1.9M/\$87K)

- **74.39 = TOTAL FTE Count**
- 14.72 Acres per FTE (in-line with best practice)



Funding Analysis



Funding – General Parks

- Annual Parks Maintenance Operation Budget = \$9.14MM
- Total Developed Acres/Miles Maintained = 1,095 + 63 miles of trail
- NRPA Upper Quartile Cost Per Acre = \$7,500
- Best Practice Cost per Acre
 - Level 2 Maintenance Standard = \$7,500
- Best Practice Cost per Mile of Trail = \$15,000 per mile



Funding – General Parks

 Current Cost per Acre = \$8,343 (includes 63 Miles of Trails)

- Recommendation =
 - \$8.212M for Existing Parks
 - \$945K for Existing Trails

Recommended Budget – \$9.15M (what you have now)



Funding - Natural Areas

Annual Natural Area Maintenance Budget = \$227K

Total Natural Area Acres Maintained = 2,840

- Best Practice Cost per Acre
 - Level 3 Maintenance Standard = \$200 (at a bare minimum)

Funding - Natural Areas

Current Cost per Acre = \$80

- Recommendation =
 - \$568K for Natural Areas

Underfunded by: \$340K



Other Recommendations



Other Key Recommendations

- Performance Measure Development
- Lifecycle Replacement Schedule Development (i.e. current playground schedule)
- Conduct Task Time Analysis
- Implement a GIS Based Asset Management Work Order System
- Track Cost of Service
- Separate Trail Maintenance Budget from Parks Maintenance Budget
- Update Work Plans Based Task Frequency Standards as provided.
- Emerging Management/Maintenance Issues/Functions:
 - Playground System
 - Trail System
 - Natural Areas





