GreenCityGIS.com

PROPOSAL QUOTE

Geographic Technologies Group®
1202 Parkway Drive Goldsboro, North Carolina 27534 | www.geotg.com | 888.757.4222
Understanding Local Government

esri Partner Network Gold

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GEOGRAPHIC TECHNOLOGIES GROUP®

July 1, 2019

Matt Young
Director of Parks and Recreation
City of Mansfield Parks and Recreation
1164 Matlock Rd.
Mansfield, TX 76063

Dear Mr. Young:

It was a pleasure meeting you to discuss GreenCity GIS for the City of Mansfield Parks and Recreation Department. Geographic Technologies Group (GTG) believes that the Parks and Recreation Department would benefit from having a qualified consultant build a comprehensive digital inventory of the parks, recreation facilities, and trail system, as well as provide GIS tools for data maintenance, mobile access, and public interaction. Our goal is to position the Mansfield Parks and Recreation Department to rival any department in the country.

GTG believes that we are the most qualified Esri partner to perform this GIS project with the Mansfield Parks and Recreation Department based on our extensive experience and qualifications in the following areas:

- An Award Winning GIS Company
- Esri Gold Partner and Business Partner of the Year
- Experience with Similar Parks and Recreation Departments
- A GIS Company that has Planned, Designed, and Implemented GIS Solutions for Hundreds of Parks and Recreation Departments
- A Geo-Spatial Integration Company

The entire GTG team would like to thank you for allowing us to propose on this project. Our expertise in GIS, local government, and parks and recreation will provide The Mansfield Parks and Recreation Department with the very best solution. Should you have any questions during the review of the proposal, please call us at 888-757-4222.

Respectfully Submitted,

James Kelt, GISP
jkelt@geotg.com

COMPANY BACKGROUND

SEVENTEEN YEARS OF COMPANY HISTORY AND EXPERIENCE

Geographic Technologies Group, Inc. (GTG) is one of North America's leading full-service local government GIS consulting companies. GTG has secured awards for GIS strategic planning, software products and services. Founded in 1997, GTG celebrates more than 21 years of growth and success. Built on its tradition of deploying the very best GIS solutions for local government, GTG now has more than 500 clients and has worked with over 300 Parks and Recreation Departments. GTG is headquartered in Goldsboro, North Carolina with offices in Texas, South Carolina, Georgia, Virginia and Idaho. A corporate culture of quality, understanding, and commitment to our clients allows GTG to continue to build an outstanding local government GIS portfolio.

GTG has more than 30 professionals with extensive knowledge and commitment to all aspects of this project. GTG's project team has significant experience with data creation and GIS applications. GTG's level of experience is extensive for all services required for this project. All project team members are employed by GTG and are qualified to perform project duties.

SPECIALIZED EXPERIENCE

GTG has assisted numerous local government organizations with the development and implementation of GIS technology. This experience has allowed GTG to work closely with Parks and Recreation departments across North America to develop cutting edge solutions. GTG understands that to successfully work for local government, it is important to have staff with relevant experience. Therefore, GTG has hired high-caliber GIS professionals that have been practicing GIS Coordinators in local government. This experience gives GTG intimate insight into how these organizations function and what must be accomplished to successfully implement GIS technology.

GTG has surveyed hundreds of Parks and Recreation Department staff to understand their technology needs and requirements. These surveys have been supplemented with in-person interviews, followed by formal training and presentations. GTG's ultimate mission is to deliver easy-to-use, geo-spatial integrated software solutions to every Parks and Recreation Department within local government. These exciting solutions empower Parks and Recreation professionals with the ability to view, manage, analyze, distribute, and publish data.

QUALITY GIS IMPLEMENTATION SERVICES

GTG offers the very best cadre of experts in geospatial technologies. The success of GIS in local government is dependent on many factors, including the creation and maintenance of accurate and reliable GIS data and databases. GTG offers a complete range of geospatial services, including:

- Data Conversion, Collection and Creation
- ArcGIS Server Implementation
- Geodatabase Design
- Architectural and IT Assessments
- GPS Inventory Services
- Application Development: Creating "cutting edge," highly scalable applications for local government
- IT Integration
- Certified GIS / IT / GPS Training

GIS-RELATED HONORS AND AWARDS

GTG is an award-winning GIS company having received a multitude of honors and awards in recent years. Awards and honors include:

- Esri 2017 Best Citizen Engagement Award
- Esri 2012 Special Achievement in GIS
- Esri 2011 International Award for Mobile Applications
- Esri Business Partner of the Year Award
- URISA and American City and County Excellence Award in GIS
- URISA Exemplary Systems in Government Award
- Florida City and County Management Association Award for Innovative Technology
- Herb Stout Award for Exemplary Use of GIS Technology in Local Government

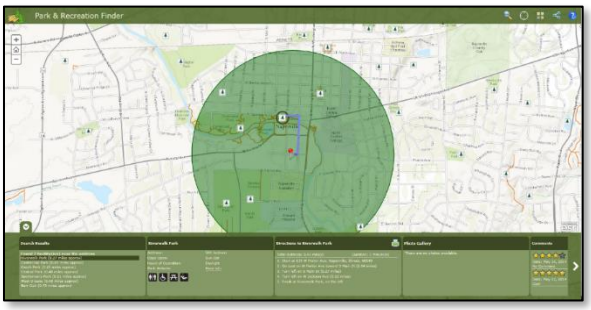
EXPERTS IN GIS FOR PARKS AND RECREATION

Many Parks and Recreation Departments across the country do not have data, software, technology or the training to meet the ever increased demands of the community. GTG has implemented an innovative enterprise and sustainable GIS management and analysis system known as GreenCity GIS that is changing and shaping the way that Parks and Recreation Departments operate. The solution is redefining how Parks and Recreation Departments function, operate, and think about data. GreenCity GIS utilizes Esri's foundation of new software products and provides a knowledge-based solution that delivers remarkable insights and lasting impact.

PROJECT PROFILES

The City of Guelph, Ontario, known as the Royal City, has a population of just over 120,000. The City which can be found 100 kilometers (62 miles) west of Toronto boasts a very active and progressive community. Because of its low crime rates, clean environment, and generally high standard of living, Guelph is consistently rated as one of Canada's best places to live. As such, Guelph's citizens demand a very high standard from the City's parks and the Parks and Recreation Department. The City has over 110 parks distributed strategically throughout the City. These parks are very diverse in size and usage. Each one has its own identity and fills a need of the community. However, like most Parks and Recreation Departments, staff struggle to track and manage all of the parks and their infrastructure. Additionally, staff felt that they were not presenting the wealth of opportunities sufficiently to their clientele. Therefore, the City turned to its GIS partner, Geographic Technologies Group (GTG), for assistance.

GTG partnered with Guelph to implement a Parks and Recreation geographic management and analysis system – known as GreenCity GIS. This was initiated through a multi-phase database design that ensured feedback from Guelph staff and resulted in a database that captured all of the unique park features and desired attribution within the GIS framework. Once the database design project was complete, GTG's Parks and Recreation field collection experts worked for weeks visiting every park and collecting all of the features and photography needed. This wealth of data was then used to launch a series of applications. Staff now has access to a Parks and Recreation analytical browser that allows them to view and analyze their infrastructure. An Executive Dashboard was configured to track key analytics about the parks and staff has been enabled with field collection and maintenance tools. Additionally, a series of public facing applications has been launched to give Guelph's citizens intuitive access to information about every park in their community. Guelph staff point out, "The City's Parks and Recreation Operations have been revolutionized. We are now sharing and maintaining our services in ways unimaginable six months ago." Matthew McLamb, Director of Parks and Recreation Services for GTG, points out, "GreenCity GIS is a difference maker for Guelph. Guelph now has a full inventory of all of its park assets, and the public has been enabled with the very best GIS tools. This is what GIS is all about. GIS is revolutionizing how Guelph delivers its services."



The City of Edina had its beginning as part of Richfield Township. During the 1850s, families who were migrating from Ireland to the United States arrived in Minnesota and settled in land that was then Richfield Township. Located immediately southwest of Minneapolis, today Edina is a growing and thriving suburb of Minneapolis with a population close to 48,000. As one of the more affluent suburbs of Minneapolis, Edina boasts a high standard of living, a nationally renowned school district, a thriving business community and nearly 40 award-winning public parks. The City of Edina oversees 40 parks and open space totaling more than 1,550 acres. The parks range in size and usage, and each one helps in the City achieving its goal of fostering a healthy inclusive community.

Like many Parks and Recreation Departments across the country, the City of Edina did not have data, software, technology or the training to meet the ever increasing demands of the community. Therefore, the City turned to its GIS partner, Geographic Technologies Group (GTG), for assistance. The City partnered with GTG to implement an innovative enterprise and sustainable geographic management and analysis system– known as GreenCity GIS that has changed the way the Parks and Recreation Department operates. One of the primary objectives of the project was to build a comprehensive digital inventory of the City's parks, recreation facilities and trail system. This GIS provides the Parks and Recreation Department with a foundation for decision making and strategic planning. GTG staff worked closely with the City's Park and Recreation staff to review existing park, recreation, and trail system data. The team combed through digital GIS data sets, spreadsheets, paper documents, digital photography and any other supporting documentation that they could find. Armed with all of the existing data, GTG set out to design a gold standard enterprise Parks and Recreation geodatabase. Once the database design was complete, a team of GTG Parks and Recreation field experts visited all 39 parks in the City of Edina to conduct a physical on-site inventory. The experts worked to collect the condition of all of the features and photographs needed. Additional data integration was brought in to supplement the database. This included census data, property lines, and utility data.

The City of Edina Parks and Recreation Department now has access to a Parks and Recreation analytical browser that allows them to view and analyze their existing infrastructure. An executive dashboard was configured to track key analytics about the parks and staff has been enabled with field collection and maintenance tools. Additionally, a series of public facing applications has been launched to give Edina's citizens access to information about every park in their community. Edina staff point out, "Finally we have available the most innovative cost-effective solution that is transforming the way Parks and Recreation Departments function. GreenCity GIS is meaningful technology that touches every aspect of planning, operations and community."

SCOPE OF SERVICES

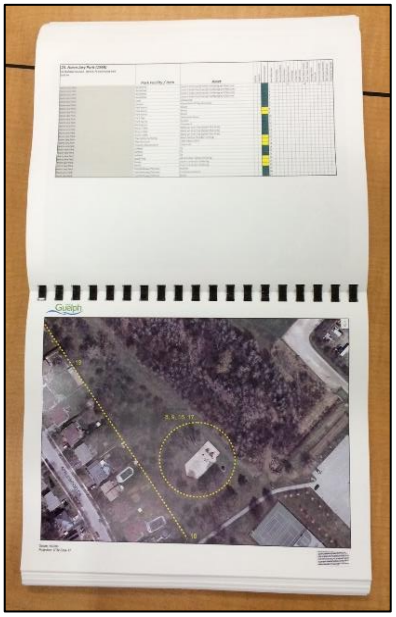
OVERVIEW

Most Parks and Recreation Departments across the country do not have Geographic Information Systems (GIS) data, software, technology or the training to adequately meet the ever increased demands of the community. Geographic Technologies Group (GTG) proposes implementing an innovative enterprise and sustainable GIS management and analysis system – GreenCity GIS, for the Mansfield Parks and Recreation Department. GreenCity GIS is changing and shaping the way that Parks and Recreation Departments function, operate, and think about data. GreenCity GIS utilizes Esri's foundation of new software products and provides a knowledge-based solution that delivers remarkable insight and lasting impact. It is an invaluable turn-key solution that offers a host of benefits for the Mansfield Parks and Recreation Department and its customers.

A primary objective of this project is to build a comprehensive digital inventory of Mansfield's parks, recreation facilities, and trail system, as well as compiling demographics and other geographically based decision support information. The GIS will provide the basis and foundation for decision making and strategic planning regarding the development and management of parks, local and regional trail connections, and recreation opportunities. It is anticipated that Mansfield's Parks and Recreation Department will work closely with GTG staff during each step of the project. The following step-by-step scope of services will result in the Parks and Recreation Department having a software toolset that enhances its operations.

DESIGN

Step 1: Review and Compile all Pertinent Digital Data



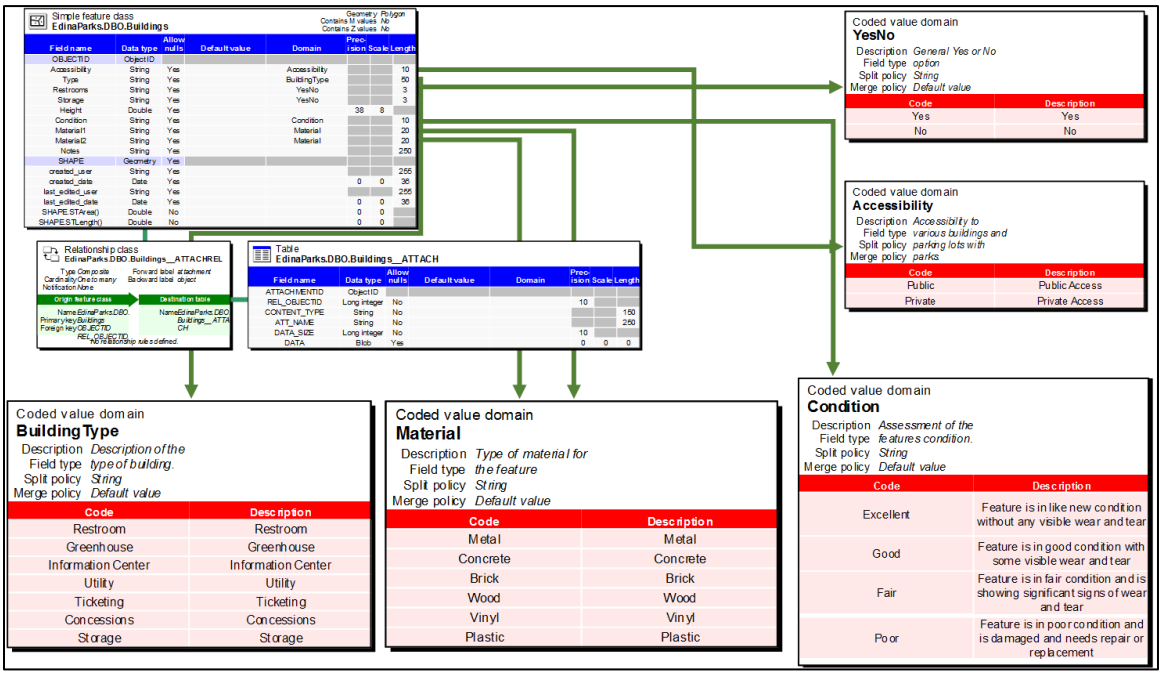
Review existing parks, recreation, and trail system GIS and related data. This includes digital GIS data sets, spreadsheets, paper documents, digital photography and any other supporting documentation.

- Document the existence and usability of all candidate data, including, but not limited to the following:
  - Park Boundaries, Amenities, and Infrastructure
  - Demographics
  - Computer Aided Drafting (CAD) Drawings
  - Digital GIS Base Data Layers – Parcels, Aerial Photography, Roads, Utilities, and others
  - Existing Park Maps with Associated Excel Documents and Photos

Deliverable: Compiled Spreadsheet Outlining Existing Data and Its Usability for This Project

Step 2: Enterprise Database Design

It is critical to have a fully developed, understood, and designed database. In the GIS industry, this database is called a geodatabase. Our team of experts will work with the Parks and Recreation Department to design an enterprise parks and recreation geodatabase for all pertinent parks data layers and features. GTG will utilize its refined gold standard parks and recreation geodatabase. GTG will review the geodatabase design with the Parks and Recreation Department to ensure that all desired attribution is identified, defined, and incorporated. GTG will ensure that all applicable domains and relationship tables are created to allow for standardization across the entire database. Domains and relationship tables define possible values for each field and how they relate to each other. For example, the building type for buildings might include; restroom, greenhouse, information center, utility, ticketing, concessions, and storage. Our team will work with the Parks and Recreation Department to identify and review each of the features and their values during this database design step.



***1**-Example Feature Class for Buildings and Associated Domains and Related Tables*

The list provided identifies parks and recreation candidate features that should be considered for inclusion. This list will be further refined with the Parks and Recreation Department during this task. GTG will populate as many of these features as possible from the office using information already in existence (**see next page**). GTG will field verify features that are incomplete following step three or features that were not previously documented or captured by the Parks and Recreation Department. GTG will capture visible features in the field that are missing from the existing data, including utility features that are above ground.

Candidate Park Features for Inclusion in this Project

- Allotment (Community Garden)
- Art
- Benches
- Bicycle Racks
- Boat Ramps
- Bridges
- Buildings
- Courts
- Docks
- Dog Parks
- Fences
- Field Accessories
- Fields
- Flagpoles
- Impervious Surfaces
- Lights
- Markers
- Mowing Areas
- Parking Lots
- Parks
- Playground Area
- Playground Equipment
- Shelters
- Signs
- Speakers
- Storage Containers
- Tables
- Trails
- Trash Containers
- Fountains
- Disc Golf

Deliverable: Enterprise System Design (Geodatabase) and Geodatabase Report

Step 3: Populate Database with Existing Park Data

Utilizing the information gathered and analyzed during Step 1, GTG will begin to populate the geodatabase designed in the previous step (Step 2). GTG will systematically populate features within the GIS based on the existing paper maps and supporting documents. Where discernable, GTG will populate attribute values and will attach existing digital photography where appropriate. As part of this step, GTG will identify what features and attribution are missing from the database. GTG will then inform the Parks and Recreation Department of these findings and will capture these features and attributes during the next step of the project.

Deliverable: Populated Database with Existing Park Data; Recommended Features and Attribution for Field Collection in Step 4

INVENTORY

Step 4: Park Inventory – Field Data Capture

GTG will utilize the information garnered in Step 3 to determine the detailed project plan for this step of the project. GTG will conduct a physical on-site inventory of all incomplete features and capture the agreed upon attribution for each feature. Based on preliminary data provided by the Parks and Recreation Department, some data exists but none of that data is 100% complete. Therefore, an inventory of each park and feature is necessary. GTG will include the condition of the feature that is collected in the field as well as a photograph. GTG will coordinate with the Parks and Recreation Department in regards to when and where field staff will be working on a daily basis.

Deliverable: Fully Populated Geodatabase Containing All Park Features, Attribution, and Photography

Step 5: Addition of Other Local, State, and Federal Data Sources

GTG will include supplemental GIS data for the parks and recreation GIS application environment. This may include census data, property lines, utility data, and flood zones. GTG will identify with the Parks and Recreation Department during this step what data layers currently exist and those they desire to view in conjunction with the parks data. GTG will document data desires and coordinate the acquisition (when needed) of any freely available data. It is anticipated, that a majority of this data currently resides within the existing City GIS. GTG will work closely with GIS staff to identify candidate data layers for consideration by the Parks and Recreation Department.

Deliverable: Existing Supplemental Data Layers Report and Acquisition

SOFTWARE

Step 6: Deploy Software Solutions to the City and the Public

GreenCity GIS offers improved community awareness and engagement through geo-spatial story maps, walking tours, and an on-line citizen park and recreation query tool. These applications enable citizens to locate park and recreation opportunities in their community. These cutting edge tools will help Mansfield enhance the community's trust, and increase the visibility of the Parks and Recreation Department. Additionally, internal GIS applications will be delivered that allow staff to view, analyze, and make decisions about parks and park infrastructure.

Application #1 – Parks and Recreation GIS Viewer

GreenCity GIS uses a custom version of Esri's new smart intuitive geographic system for viewing, querying, and analyzing parks and recreation data. The GreenCity GIS internal viewer provides a smart, intuitive framework for viewing and interacting with the park and recreation data. This configurable tool offers new and innovative decision support. The Esri HTML5/Java Viewer will be utilized with custom tools for Parks and Recreation users. The Parks and Recreation Department will be able to:

- Choose a basemap with detailed parks and recreation data
- Add map layers
- Apply Mansfield branding by adding a personalized title, logo, and color theme
- Extend standard viewer capabilities with custom widgets such as: parcel buffer, drawing and measurement functionalities, elevation profile, and field assistant, Twitter, and Google Street View.

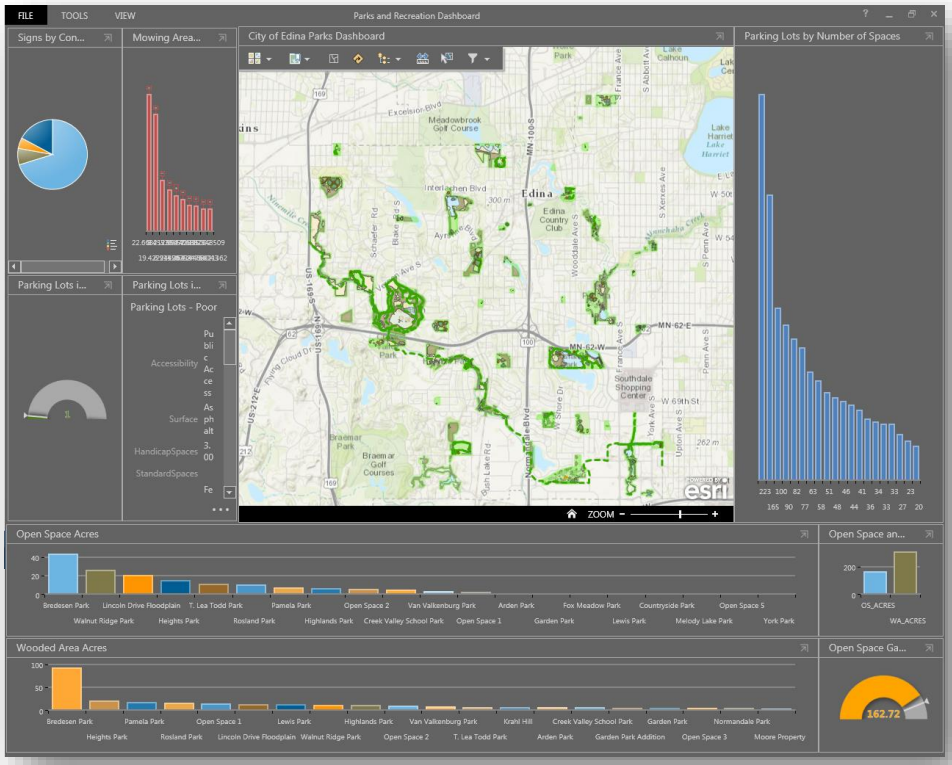
2-Example of GIS Map Viewer

Application #2 – Mobile Field Data Collector Deployment

For the ongoing maintenance of the parks data while in the field, GTG will enable the Parks and Recreation Department with Esri's Collector for ArcGIS. GreenCity GIS offers Esri's intuitive, easy-to-use map centric solution to inventory and maintain the entire park infrastructure system. It takes advantage of smart phones, iPads, and tablets. The task of collecting data in the field and turning it into meaningful information in the office is made easier. The Collector app can be deployed on Android and/or iOS devices. No hardware will be provided as part of this project.

Application #3 – Operations Dashboard Deployment

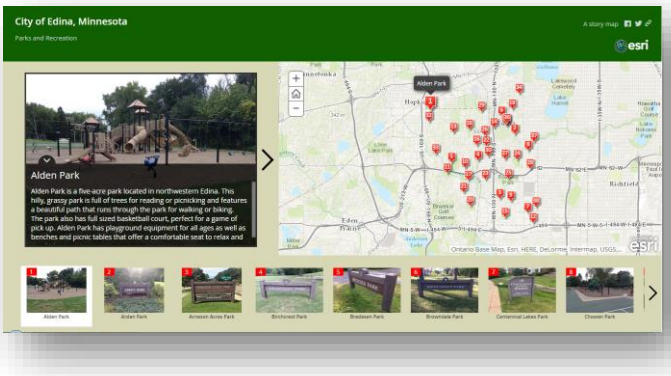
GreenCity GIS includes a unique and customized interactive operations dashboard that dynamically monitors activities and events and assesses the status and performance of daily operations. This dashboard can track field work and can establish parks and recreation performance measures by quantifying existing acreages, parkland, open space, wooded land, condition of playground and park infrastructure, and much more. GTG will work with the Parks and Recreation Department to determine the types of data derived from the parks datasets that they would like displayed within the dashboard.



***3**-Example of Operations Dashboard*

Application #4 – Parks and Recreation Story Map

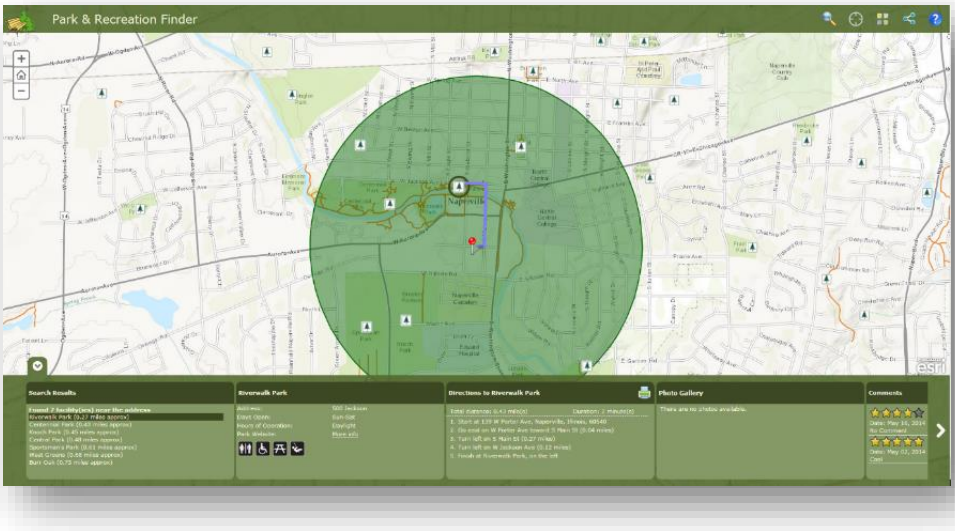
GTG will utilize the data created and gathered in previous steps to create thematic maps for use by not only staff within the Parks and Recreation Department, but by the public as well. This will include deploying a story map for the Parks and Recreation Department showing pertinent information of the parks within the City. GTG will also train staff within the Parks and Recreation Department and GIS on creating new story maps using the newly created data to allow them to deploy additional story maps in the future.



***4**-Example of Parks and Recreation Story Map*

Application #5 – Park and Recreation Finder

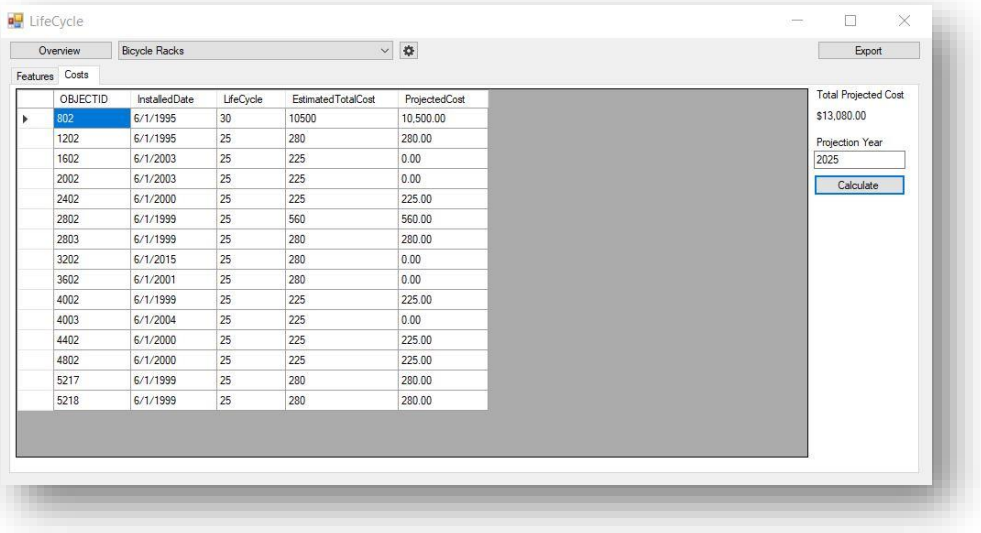
GTG will also deploy the Park and Recreation Finder application for the public. The Park and Recreation Finder application will provide Mansfield residents and visitors with an easy way to find parks near them, a park by its name, or recreation opportunities offered in parks within the City. In addition, residents and visitors can search for a park, or specific recreation activity they would like to undertake, by name. To do that, they can enter the name of the park or recreation activity. When they enter the name of the park or activity, the application will find the park or present a list of parks that offer the recreation activity they're interested in and allow them to review relevant information about each park, such as comments and images. Additional links, to pertinent documents, can be included. The Park and Recreation Finder application provides access to the organization 24 hours a day, seven days a week, in a user friendly application that requires no training.

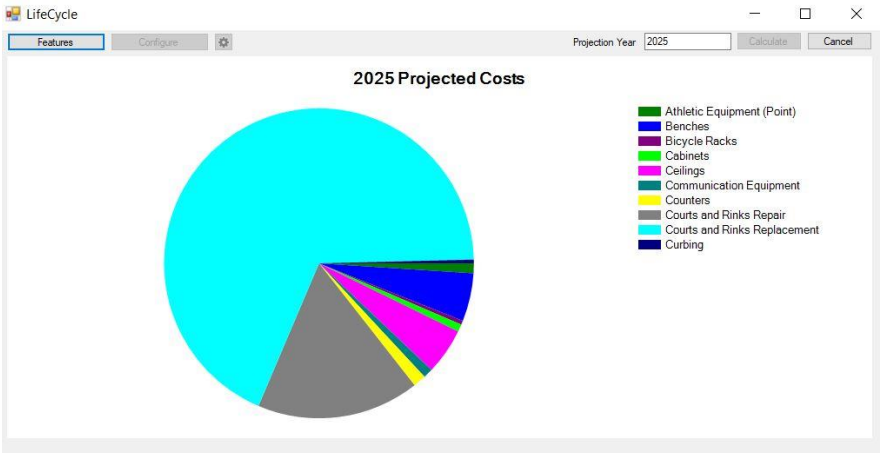


5-Example of Park and Recreation Finder Application

Application #6 – Asset Predictor Tool

GTG will also deploy the Asset Predictor Tool for the City staff. The Asset Predictor Tool will provide Mansfield staff with an easy to use application to identify the life cycle and costs of assets for budgeting and replacement. This application will be deployed and for the City staff to populate with variables for each asset such as life cycle, cost per unit, and installed date. The tool can then be utilized to estimate the total cost for each asset in the park inventory based on current condition for replacement.





6-Example of the Asset Predictor Tool

Deliverable: Six Software Applications Configured with Parks and Other Supplemental Data for Staff and Citizens

TRAINING AND SUPPORT

Step 7: Training for Mansfield Parks and Recreation Department

GTG will provide training to the City of Mansfield GIS and the Parks and Recreation Department on the use and administration of all of the applications. GTG will ensure full knowledge transfer to all pertinent staff which will allow the Parks and Recreation Department to effectively maintain and grow each of the applications listed in Step 6 as well as the newly created park inventory data. GTG will provide documentation along with the training.

Deliverable: Training and Documentation on the Maintenance of the Park Data and Use of Each Application

SUMMARY OF DELIVERABLES

The following is a list of deliverables that will be provided as part of this project:

- **Compiled Spreadsheet Outlining Existing Data** – GTG will create a spreadsheet outlining existing data provided by the Parks and Recreation Department. This spreadsheet will include the originating source and method of creation for each of the datasets.
- **Enterprise System Design** – GTG will provide the Parks and Recreation Department with a geodatabase diagram outlining all of the feature classes, domains, and related tables associated with the park inventory. This will be provided to the Parks and Recreation Department once it has been agreed upon and finalized by all parties.
- **Populated Database with Existing Park Data** – GTG will provide the Parks and Recreation Department with a copy of the geodatabase once all of the existing data has been loaded into the agreed upon geodatabase.
- **Recommended Features and Attribution for Field Collection** – GTG will provide a summary of features and attribution that will need to be collected in the field during step four. This summary will serve as a guide for GTG and the Parks and Recreation Department to review the game plan while GTG is in the field.
- **Fully Populated Geodatabase** – GTG will provide the Parks and Recreation Department with a complete geodatabase once all of the data collection and gathering steps have been completed. This geodatabase will contain all park features, attribution, and photos.
- **Supplemental Data Layers** – GTG will identify with the Parks and Recreation Department which supplemental data layers are desired to be included with the park maps. GTG will load these data layers as part of this deliverable.
- **Software Applications** – GTG will configure the software applications listed in step six and will deploy these applications as part of this deliverable. Applications include: Story Map, Park and Recreation Finder, Collector App, Operations Dashboard, Internal Parks Viewer and Asset Predictor (to be configured by the City of Mansfield staff).
- **Training and Documentation for Staff** – GTG will provide training to City GIS and the Parks and Recreation Department on the maintenance of the park data and use of each application. This training will cover the administrative use of the applications as well as the end user interface. GTG will also provide documentation on the setup of each application for staff to utilize moving forward.

BUDGET

Each municipal government organization is different. Therefore, the size and complexity of parks and park infrastructure is considered when establishing a budget. GTG proposes a budget of $48,500/ $50,500 (depending on options listed below) to accomplish all of the steps outlined in this scope of work. This price is based on 18 parks administered by The City of Mansfield Parks and Recreation Department.

The following is a calculation for cost estimation of a GreenCity GIS solution for the Mansfield Parks and Recreation Department.

GreenCity GIS Package

A. DESIGN $ 3,000

B. PARKS INVENTORY (See Appendix 1) $6,000/week (estimating 3 weeks) $18,000

- GTG will spend 6 days a week during the collection process to inventory as many assets as possible. If the collection takes more than the allotted 3 week period, The City of Mansfield will have the option to take ownership over the remaining collection or pay GTG additional fees to complete the collection

C. GIS DATA COLLECTION CLEANUP $ 5,000

D. SOFTWARE $ 9,500

- VIEWER- $2,000
- COLLECTOR- $500
- DASHBOARD- $2,500
- PUBLIC AWARENESS – PARK FINDER- $1,000
- STORY MAPS (1)- $1,500
- ASSET PREDICTOR- $2,000

E. DYNAMIC DATABASE INTEGRATION -

- Recreation Database Integration (Active .Net) $ 4,000
- Work Order Database Integration (MyGov) $ 4,000
    i. Mansfield is required to provide access to live or a replicated dataset from Active .Net and MyGov
    ii. GTG requests a copy of the Active .Net and MyGov Database Designs (i.e. database field and table names desired for viewing in GIS)

F. TRAINING AND EDUCATION (Remote/Onsite) $ 2,500/ $4,500

G. ESRI LICENSING ARCGIS ON-LINE (If Needed) $2,500/ Year

- Apps for Field and Office
- 5 ArcGIS Contributor Role Users

Total Cost est. $48,500/ $50,500

Additional Options

- Tree Inventory- $7.25/ tree
  - X/Y Location
  - Type of Tree
  - Diameter Breast Height (DBH)
  - Condition
  - Height
  - Landscaping
  - Photograph
- Annual Support Options
  - Parks and Recreation Standard Package – No Cost
    - No support, no fees.
    - After install – GTG will train staff to manage the applications with no support. This is included in the package.
  - Parks and Recreation Application Support Package – $3,000 annually
    - Phone support. This would give the Parks and Recreation Department phone support – 24 hours a day, through the GTG support line if any questions arise or if additional technical support is needed. GTG will provide support for the applications, answer questions, and fix any issues.
    - GTG will provide a free refresher course on each of the applications once a year.
  - Parks and Recreation Application and Content Support Package – $6,000 annually
    - Includes Option 2.
    - Additionally, GTG will spend two days a year updating content onsite. This includes: collecting new features, adding new photos, adding new queries, etc., as needed.

SCHEDULE

GTG proposes a schedule of eight weeks from start to finish for this project. This includes field staff and a senior manager during the duration of the project. GTG is flexible in regards to the project schedule and can extend tasks as needed based on feedback from the Parks and Recreation Department. GTG is available to conduct some tasks this budget year and finalize the project via the new budget year.

Tasks	Month 1				Month 2			
	W1	W2	W3	W4	W1	W2	W3	W4
Review and Compile all Pertinent Digital Data								
Enterprise Database Design								
Populate Database with Existing Data								
Conduct Park Inventory and Data Cleanup								
Supplemental Data Integration								
Deploy Software Solutions to the City and the Public								
Training to Staff								

Task Completion/Deliverable On-site Remote work

Quote

Mansfield, TX
GreenCityGIS
Parks and Recreation

Proposed Scope of Services
The following is an outline of the scope of services for deploying the GreenCityGIS solution for the City of Mansfield in Texas.

PROPOSED SCOPE

A. DESIGN
- Task 1: GEODATABASE DESIGN

B. INVENTORY
- Task 2: PARK INVENTORY – Field Data Capture of 18 Parks and Facilities
- Task 3: QA/QC - GIS Digital Creation and Clean-up
- Task 4: ADDITIONAL DATA LAYERS – Other Local, State and Federal Data Sources

C. SOFTWARE
- Task 5: GIS MAP VIEWER DEPLOYMENT
- Task 5.1 WIDGETS – Custom Functionality
- Task 6: MOBILE FIELD DATA COLLECTOR DEPLOYMENT
- Task 7: OPERATIONS DASHBOARD DEPLOYMENT
- Task 7.1 PERFORMANCE MEASURES – Custom Statistics
- Task 8: IMPROVED CITIZEN AWARENESS
- Task 8.1 STORY MAP – THE 5 STEP PROCESS
- Task 8.2 PARK LOCATOR DEPLOYMENT
- Task 9: DYNAMIC DATABASE INTEGRATION
- Task 9.1 Recreation User Information (Active.Net) Work Order Database Information (MyGov)
- Task 10: TRAINING AND EDUCATION
- Task 11: THREE ANNUAL TECHNICAL SUPPORT OPTIONS

BUDGET

The following is a cost estimate for deploying the GreenCityGIS solution for the City of Mansfield with 13 standard park sites.

GreenCity GIS Package

A. DESIGN $ 3,000

B. PARKS INVENTORY (See Appendix 1) $6,000/week (estimating 3 weeks) $18,000

- GTG will spend 6 days a week during the collection process to inventory as many assets as possible. If the collection takes more than the allotted 3 week period, The City of Mansfield will have the option to take ownership over the remaining collection or pay GTG additional fees to complete the collection

C. GIS DATA COLLECTION CLEANUP $ 5,000

D. SOFTWARE $ 9,500

- VIEWER- $2,000
- COLLECTOR- $500
- DASHBOARD- $2,500
- PUBLIC AWARENESS – PARK FINDER- $1,000
- STORY MAPS (1)- $1,500
- ASSET PREDICTOR- $2,000

E. DYNAMIC DATABASE INTEGRATION -

- Recreation Database Integration (Active .Net) $ 4,000
- Work Order Database Integration (MyGov) $ 4,000
    i. Mansfield is required to provide access to live or a replicated dataset from Active .Net and MyGov
    ii. GTG requests a copy of the Active .Net and MyGov Database Designs (i.e. database field and table names desired for viewing in GIS)

F. TRAINING AND EDUCATION (Remote/Onsite) $2,500/ $4,500

G. ESRI LICENSING ARCGIS ON-LINE (If Needed) $2,500/ Year

- Apps for Field and Office
- 5 ArcGIS Contributor Role Users

Total Cost **est. $48,500/ $50,500**

Additional Options

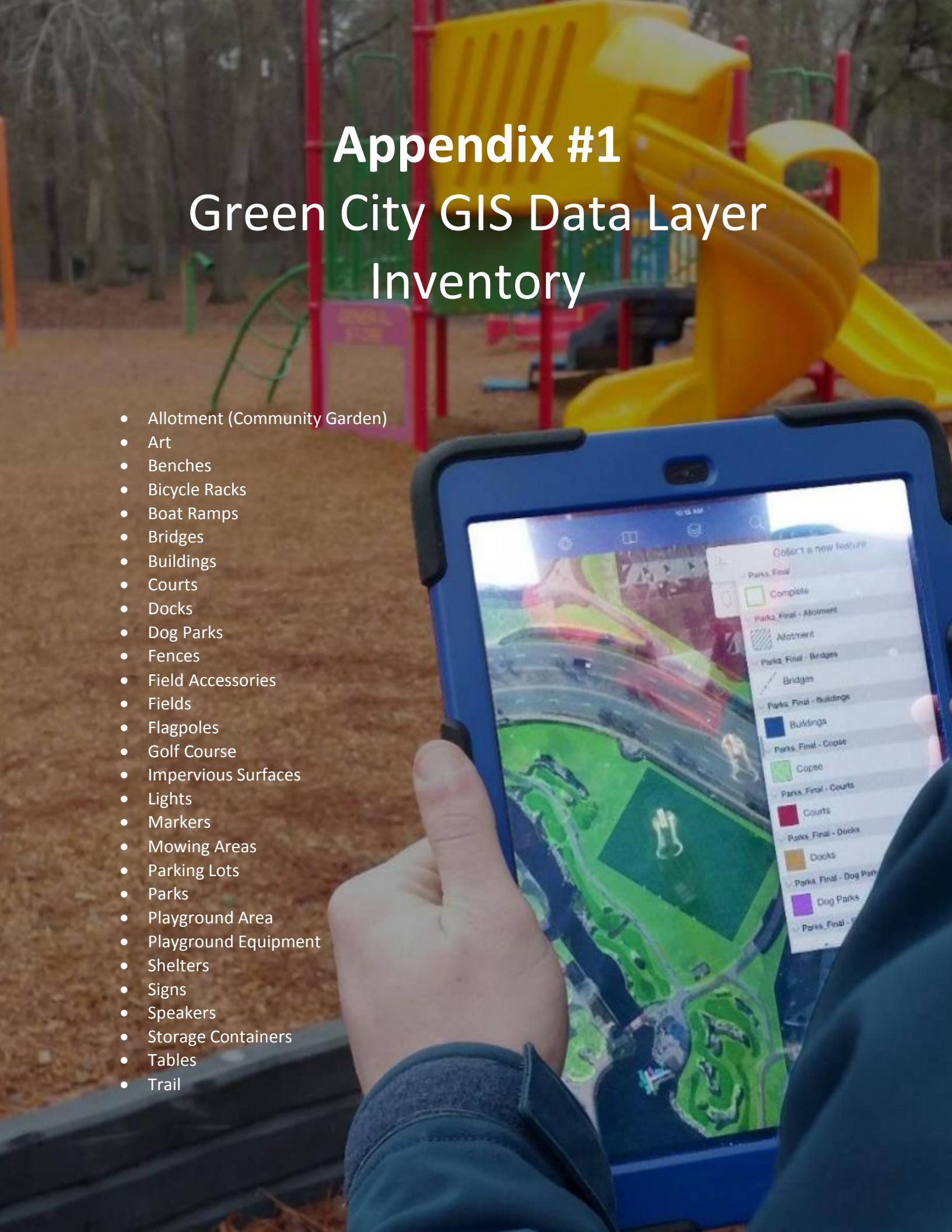
- Tree Inventory- $7.25/tree
    - X/Y Location
    - Type of Tree
    - Diameter Breast Height (DBH)
    - Condition
    - Height
    - Landscaping
    - Photograph

Annual Support Options

- Parks and Recreation Standard Package – No Cost
  - No support, no fees.
  - After install – GTG will train staff to manage the applications with no support. This is included in the package.
- Parks and Recreation Application Support Package – $3,000 annually
  - Phone support – 24 hours a day, through the GTG support line, if any questions arise or if additional technical support is needed. GTG will provide support for the applications, answer questions, and fix any issues.
  - GTG will provide a free refresher course on each of the applications once a year.
- Parks and Recreation Application and Content Support Package – $6,000 annually
  - Includes Option 2.
  - Additionally, GTG will spend two days a year updating content onsite. This includes: collecting new features, adding new photos, adding new queries, etc., as needed.

This quote is contingent on the organization having the existing Esri software licenses (ArcGIS for Server).

Appendix #1
Green City GIS Data Layer Inventory



- Allotment (Community Garden)
- Art
- Benches
- Bicycle Racks
- Boat Ramps
- Bridges
- Buildings
- Courts
- Docks
- Dog Parks
- Fences
- Field Accessories
- Fields
- Flagpoles
- Golf Course
- Impervious Surfaces
- Lights
- Markers
- Mowing Areas
- Parking Lots
- Parks
- Playground Area
- Playground Equipment
- Shelters
- Signs
- Speakers
- Storage Containers
- Tables
- Trail