

REQUEST FOR PURCHASE IN EXCESS OF \$20,000/CHANGE ORDER



To: Mayor and City Council

Agenda Item #: IV.H.

From: Ann Kattreh
Parks & Recreation Director

The Recommended Bid is

Within Budget

Not Within Budget

Date: June 17, 2014

Subject: Request for Purchase – Geographic Information Services (GIS) Database Design for Park System – Geographic Technologies Group

Date Bid Opened or Quote Received:
June 2, 2014

Bid or Expiration Date:
July 2, 2014

Company:
Geographic Technologies Group

Amount of Quote or Bid:
\$37,500

Recommended Quote or Bid:
Geographic Technologies Group

General Information:

The Geographic Information System (GIS) inventory and database design will work in conjunction with the park master planning process and will build a comprehensive digital inventory of the City of Edina's parks, facilities, amenities and trail system. It will also compile demographics and other geographically based decision support information. This project will assist in providing the foundation for planning and decisions regarding the development of parks, trails and recreational opportunities.

The scope of services includes a presentation to the Park Board, review and compilation of all pertinent digital data, database design, detailed park facility inventory including photographs, building of GIS data model, deploying ArcGIS Online Gallery for internal use and build a Story Map that illustrates the City of Edina's Parks & Recreation facilities which will be available for resident use. Geographic Technologies Group will also provide support to the park system master plan consultant.

Geographic Technologies Group was hired by the City of Edina to complete a geographic information systems evaluation of capabilities and recommendations. That recently completed study included the evaluation of current GIS capabilities, staffing structure, vendor utilization, recommendation on how to grow the City's GIS, improve departmental GIS capabilities (internal services) and improve external services to citizens.

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City Attorney Roger Knutson prepared a contract for this project.

Attachment:

Geographic Technologies Group Scope of Services



CITY OF EDINA

Park System Master Plan – GIS Component

SCOPE OF SERVICES

To - Ann Kattreh, Parks & Recreation Director
952-826-0430 | Fax 952-826-0385
AKattreh@EdinaMN.gov | www.EdinaMN.gov

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CITY OF EDINA PARK SYSTEM MASTER PLAN – GIS COMPONENT

OVERVIEW

The objective of the “GIS component” of the Park System Master Plan is to build a comprehensive digital inventory of the City of Edina’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 of parks, local and regional trail connections, and recreation opportunities. It will also complement the City’s enterprise, scalable, and sustainable GIS initiative. It is anticipated that the City of Edina Parks and Recreation staff will work closely with Geographic Technologies Group (GTG) staff during each step of the project.

SCOPE OF SERVICES

- **Step 1: Presentation to the Parks Board**

Present to the Parks and Recreation Department staff and Park Board Working Group the GIS scope of work and anticipated deliverables. GTG will demonstrate how this fits into the development of the City’s Parks System Master Plan, including, but not limited to:

- Public Involvement
- Public Meetings
- Design Initiatives
- Project Based Maps and Mapping Products
- Decision Support and Web Page Development

Deliverable: Presentation

- **Step 2: Review and Compile all Pertinent Digital Data**

Review Existing Parks, Recreation, and Trail System GIS and related digital data.

- Compile all required data into one central repository for use in Parks Master Planning, including, but not limited to the following:
 - Park Boundaries
 - Demographics
 - Park Usage
 - CAD Drawings
 - Digital Base Data Layers – Parcels
 - Pavement Management Data
 - Natural Areas

Deliverable: GIS Compiled Database and Report

- **Step 3: Enterprise Database Design:**

Design an Enterprise Parks and Recreation geodatabase for all Parks and Recreation data layers. GTG will review the geodatabase design with the department to ensure that all desired attribution is captured.

Deliverable: Enterprise System Design

- **Step 4: Conduct Park Facility Inventory**

Conduct a physical on-site inventory of all parks within the City. Collect all data as described in the database design. GTG will capture photographs and populate the database with observations made in the field.

Deliverable: GIS Field Inventory and Database of Selected Parks and Recreation facilities



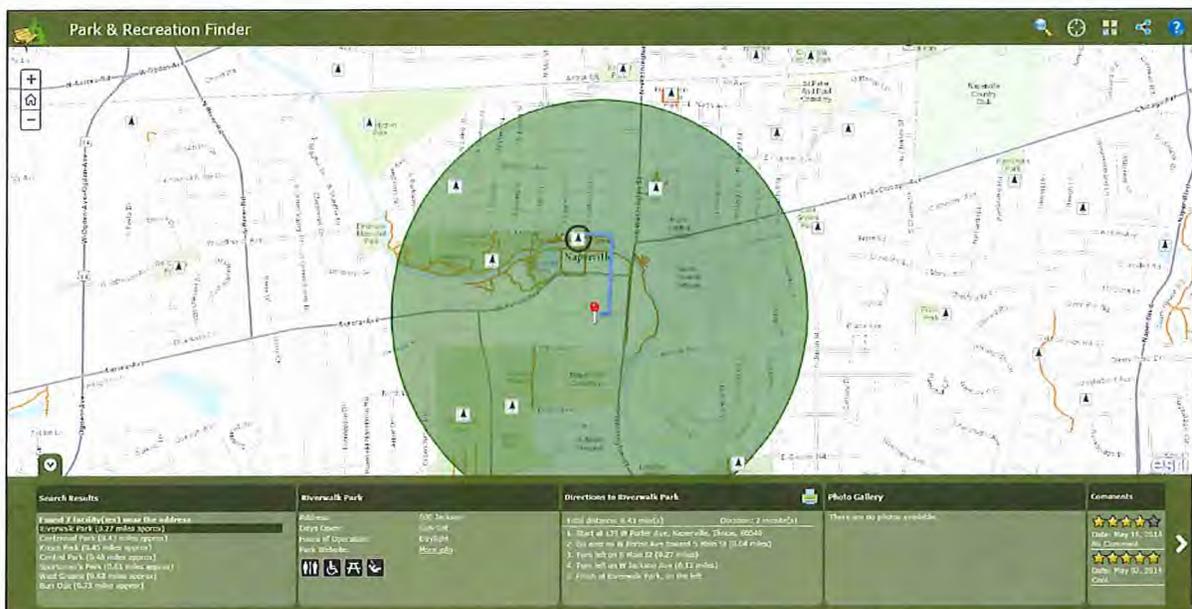
- **Step 5: Build GIS Data Model**

Build a digital GIS model of all Parks and Recreation Facilities with data captured in step 4.

Deliverable: Construction of all fields and existing GIS data layers

- **Step 6: ArcGIS Online**

Deploy an ArcGIS Online Gallery of Parks and Recreation Facilities.



Example Parks and Recreation Finder using ArcGIS Online: <http://tryitlive.arcgis.com/ParksFinder/>

Deliverable: All GIS park data compiled into an ArcGIS Online Gallery of maps for use internally

- **Step 7: Story Map**

Deploy a Story Map that illustrates the City of Edina’s Parks and Recreation facilities, accessible by the public.



Example Parks and Recreation Story Map: <http://maps.stalbert.ca/apps/recreation/facilities/>

Deliverable: Story Map of all City Parks

- **Step 8: GIS Technical Support to the Parks System Master Plan Consultant**

Make all data available through an easy-to-use web browser solution to the selected consultant.

Deliverable: Assist the Master Plan Consultant with access to all GIS data layers

BUDGET

- \$37,500

SCHEDULE

- 6 WEEKS – THREE STAFF & SENIOR MANAGER