



SUBMISSION FORM

All submission forms must include the following information. Separate submission forms must be turned in for each eligible program. **Deadline: July 1, 2024.** Please include this submission form with the electronic entry. If you do not receive an email confirming receipt of your entry within 3 days of submission, please contact [Gage Harter](#).

PROGRAM INFORMATION

County: _____

Program Title: _____

Program Category: _____

CONTACT INFORMATION

Name: _____

Title: _____

Department: _____

Telephone: _____ Website: _____

Email: _____

SIGNATURE OF COUNTY ADMINISTRATOR OR DEPUTY/ASSISTANT COUNTY ADMINISTRATOR

Name: _____

Title: _____

Signature: _____

NACA Application for 2024.

- Contact info:
Raymond Crew - GIS Manager and Architect
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CrewR@chesterfield.gov - 804-717-6441

- Executive Summary of the Program:

Chesterfield County, Virginia has invested multiple years of study and work to upgrade their enterprise GIS from onsite servers. Previously using outdated versions of Esri's ArcGIS Server, Chesterfield County will now be using the latest version of ArcGIS Enterprise running on a cloud-based platform. This work was led by the County's GIS team with assistance from the County's Project Management, Network, Security, Database and Server teams as well as outside partners. The County's Enterprise GIS supports 35 editors, 50 analysts, and 150 standard viewers. The upgrade was complicated by the many system integrations with the GIS including Motorola's Premier1, Tyler Technologies' iasWorld and Accela's Civic Applications.

- The Problem or Need for the Program:

Chesterfield County Enterprise GIS was last upgraded? more than ten years ago. At that time, there were few system integrations and a much smaller user base. Since that time, the size and needs of the GIS user community have increased and the number of complex data integrations has dramatically increased. The data integrations are for other enterprise scale systems supporting critical business uses ranging from 911 center operations to the generation of property tax assessments. The Enterprise GIS system in place was not able to meet the needs of these data integrations, requiring the platform to be upgraded quickly to not hinder the deployment of the other platforms, Beyond the integrations, the large GIS user community at Chesterfield County needed access to modern software, analysis tools, and data types to improve their ability to serve the needs of Chesterfield County with quality and innovative work.

- Description of the Program:

The program to upgrade Chesterfield's Enterprise GIS may have been led by the consolidated GIS group, but it could not have been completed without great efforts by many others. Chesterfield's Network, Security, Database, Program Management, Budget and Procurement groups and many in leadership have been key in this projects completion. The program was split into three separate phases: Phase one focused on meeting the data integration needs of enterprise scale platforms. Phase two focused on meeting the land development process requiring the editing and creation of parcels, address points, and related data. Phase three focused on all the other business processes and users, ranging from economic development researching new business opportunities to engineering scheduling inspections of storm water infrastructure.

- Responding to Economic Downturn (optional):

Leave empty.

- *Advancing Diversity, Equity and Inclusion (Optional):*

Leave empty.

- *The Cost of the Program:*

The budget allocations for this program spanned from fiscal year 2020 until 2023 and totaled \$1,179,000. The drawdown of these funds started in 2020 and continues until the present day. The funds have been used for multiple things, ranging from outside consultants helping the County plan a sound strategy, to simply supporting the platform, and evaluating our platform for any security vulnerabilities.

- *The Results/Success of the Program:*

Chesterfield's new Enterprise GIS platform has met the needs of the user community, data integrations, and prepared the County for future needs, both those anticipated and not anticipated. The new platform uses the most modern and secure software, operating systems, network design, security measures, and platform while also controlling current costs. The implemented strategy also gives Chesterfield the flexibility to respond to future budget constraints.

- *Worthiness of Award:*

The consortium of teams at Chesterfield County delivering this dynamic platform to their coworkers, leadership, elected officials, residents, citizens, and business partners has endeavored past many challenges. The teams never cut corners, learned a lot, and developed a model on how to stand up a modern enterprise GIS platform. A number of individuals in the consortium of professionals have helped other at other localities and organizations benefit from our experience through presentations, work in professional organizations and simple conversations.