A N   E S R I
P R O P O S A L

January 16, 2019

Remote ArcGIS Consulting Support

Prepared for:

Shoreh Elhami, Citywide GIS Manager

City of Columbus

Department of Technology

1111 E Broad Street

Columbus, OH 43205

Esri Quote Number: P19-24793

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Introduction:

The City of Columbus, Ohio – Department of Technology (Columbus) has requested Environmental Systems Research Institute, Inc. (Esri) Professional Services to provide consulting services to support configuration and deployment of the ArcGIS Platform. The quote below describes the scope of services, schedule, pricing, terms and conditions, and purchasing instructions.

Scope of Services:

Remote ArcGIS Consulting Support

Esri will provide up to 170 hours of consulting services to assist Columbus with support for the ArcGIS Platform. It is anticipated that consulting services will focus on the following general support categories:

- Development support for customizing existing GIS application
- Configuration support for the City of Columbus' Esri HUB
- Support further configuration of the City of Columbus ArcGIS Online organization
- Ad-hoc ArcGIS consulting support

This activity will be supported remotely from Esri's offices. The Esri consultant(s) will work with direction from Columbus technical staff and management. All consulting activities will be mutually agreed to by both Columbus and Esri project coordinators.

Esri Responsibilities

- Provide up to 170 hours of consulting services as described above.

Columbus Responsibilities

- Communicate consulting needs and priorities to the Esri consultant(s).
- Provide the appropriate City of Columbus staff members to work with the Esri consultant(s).
- Provide the Esri consultant(s) with access to City of Columbus data and system environment, as necessary.

Assumptions

- Pricing assumes all consulting services will be provided remotely from Esri's offices during normal business hours and no travel will be required of the Esri consultant(s).

- The activities described above will be further defined and mutually agreed upon by the City of Columbus project manager and Esri coordination staff, based on City of Columbus' needs and available budget to be allocated accordingly.

Schedule:

The schedule will be mutually agreed upon between Columbus and Esri within 10 days after contract award.

Pricing:

The pricing provided below has been estimated based upon an anticipated award of a Time-and-Materials (T&M) contract. The required labor hours have been estimated based upon prior experience with work of a similar nature. The total not-to-exceed (NTE) price for the quoted Scope of Services is **$46,643**.

This price is exclusive of any applicable federal, state and/or local taxes for which Esri may collect and Columbus shall remain responsible.

Esri anticipates using staff from the GIS Technical Specialist/Engineer (S1) and GIS System/Software Developer (S2) labor categories; however, depending on the level of expertise required to perform certain activities during this engagement, Esri may be required to utilize other Esri staff members with a different skill-set and labor category.

T&M consulting services will be conducted under the following conditions:

- In the event Esri completes the Scope of Services for less than the NTE budget, Columbus will only be invoiced for the actual hours expended plus ODCs.

- In the event Esri reaches the NTE budget limit before the Scope of Services is completed, Columbus will have the option to either (a) increase the contract funding in order to allow the work to continue; or (b) instruct Esri to stop work. If Columbus chooses to stop work, Esri will do so without liability.

- Esri reserves the right to reallocate the project funding between Scope of Services activities and/or ODCs, as necessary to facilitate the work effort, provided the overall contract price is not exceeded.

All work will be accomplished in accordance with the Scope of Services with the deliverable being consulting time. If additional work is requested by Columbus in writing beyond the scope of this quote, Esri will provide an updated quote. Esri will perform and invoice Services on a time and materials basis using the labor categories and rates specified for the performance period. Labor, including travel time, will be invoiced on a monthly basis for actual hours expended during the previous month. Meals will be invoiced on a "per diem" basis in accordance with the full daily limits stated in the most current Federal Travel Regulations. Other direct costs (ODCs), including travel-related expenses and meal per diem, will include a fifteen percent (15%) burden. Invoices are to be paid within 30 days of receipt. This quote is valid for a period of 90 days from the submittal date above.

Terms and Conditions:

By purchasing these services, the customer agrees to the **Implementation Services Time and Materials Agreement No. 340081**, which is attached and incorporated by this reference.

Purchasing:

To order these services as quoted, please email the following items to Brad Rupert at brupert@esri.com.

1. Purchase Order:

    o In the amount of the Total NTE Price above
    o Referencing this Quote No. P19-24793, dated January 16, 2019

2. A copy of this quote and the Agreement, signed by an authorized member of the City.

Contact:

Brad Rupert
Esri Professional Services
880 Blue Gentian Road, Suite 200
St. Paul, MN 55121
651-454-0600 x8331
brupert@esri.com
www.esri.com

TIME AND MATERIALS RATE SCHEDULE

Effective January 1, 2019

Hourly time and materials labor rates have been provided for each labor category for calendar years 2019 and 2020. The hourly labor rates for services that are performed after 2020 may be escalated in an amount not to exceed five percent (5%) each year. Other direct costs, such as travel, reproduction, subcontractor, telecommunication/freight, or materials, will be charged a material handling fee and invoiced.

Labor Category	CY2019	CY2020
GIS Technical Specialist/Engineer (S1)	$235	$243
GIS System/Software Developer (S2)	$304	$315
Sr. GIS System/Software Architect (S3)	$373	$386
GIS Consultant/Project Manager (M1)	$285	$295
Sr. GIS Consultant/Project Manager (M2)	$359	$372
Principal/GIS Consultant/Prog. Manager (M3)	$473	$490
GIS Database Specialist/Analyst (DB)	$198	$205

Labor Category Descriptions:

GIS Technical Specialist/Engineer (S1)
Staff members in this labor category work collaboratively with software designers to perform software coding and the writing of software documentation according to design specifications developed by senior technical staff described below. As a group, these staff members are experienced in the coding of software and the creation of digital databases, as well as in software development associated with Esri's commercial off-the-shelf (COTS) software products; web, desktop, or server software development languages; geospatial data formats; and other technologies. These individuals also develop effective database designs, implement data conversion processes and procedures, and perform software and database quality control. This category also includes staff involved in the development and delivery of training and those with expertise in creating, editing, and teaching training content.

GIS System/Software Developer (S2)
Staff members in this labor category support the design of technical project specifications for the implementation of application software projects and database development projects. They support the day-to-day technical activities of the project team and ensure that standard system methodologies are employed. They also perform detailed software design and detailed database conversion design and are directly involved in the coding and implementation of complex and strategic portions of application software and database conversion projects. As a group, these staff members are proficient in Esri COTS software products; web, desktop, and server software development languages; geospatial data formats; and other technologies. These staff members design and develop QA/QC programs and support design and code reviews, database reviews, and other QA/QC activities throughout the project life cycle. This category of staff includes senior staff who apply subject-matter expertise to design, develop, and deliver training content and supporting technologies, leveraging adult learning methodologies.

Senior GIS System/Software Architect (S3)
Staff members in this labor category provide the overall technical vision and system architecture for large, complex systems. They support the application of sound software engineering principles and life cycle methodologies to programs/projects. These individuals are actively involved in systems architecture design, application software design, database process design, and the directing of coding development including the supervision of design and code reviews. These staff members may serve as principal investigators in focused studies or research and development projects. Individuals in this labor category have broad technical knowledge of geographic information system (GIS)

applications and related information technologies and may also provide specific expertise in areas such as web-based software applications, service-oriented architectures, data warehousing, spatial analysis, and modeling. As a group, these staff members are proficient in Esri COTS software products; software and database design methodologies; web, desktop, and server software development languages; geospatial data formats; and other technologies.

GIS Consultant/Project Manager (M1)
Staff members in this labor category provide day-to-day consulting and management for contracted projects within Esri. These individuals work under the guidance of senior Esri managers described herein and support the design and implementation of project work plans. These staff members may provide consulting services to several aspects of GIS implementation. They may also conduct detailed requirements interviews, document application requirements, develop logical and physical database designs using standard engineering diagramming methodologies, design software and database QA/QC programs, and provide management oversight of daily technical activities. These staff members work with senior consulting and technical staff to design comprehensive work plans that employ standard system methodologies that define project deliverables, milestones, and realistic schedules. These individuals work with Esri administrative staff to ensure that progress and financial reporting is provided according to contract requirements. This category of staff may also consult and manage training development and delivery projects.

Senior GIS Consultant/Project Manager (M2)
Staff members in this labor category work as project managers or project advisers, providing strategic consulting and project management activities for GIS and information technology (IT) projects. These staff members have market/application domain expertise using extensive experience in GIS and related geospatial technologies to support the successful completion of a project. Consulting activities may include strategic planning, GIS workshops and seminars development, requirements definition, application and database design, and system integration. Management activities may include defining project requirements and objectives, establishing budgets and schedules, allocating staff and other resources, and managing and overseeing subcontractor activities. These individuals may also design comprehensive work plans that employ standard system methodologies that define project deliverables and milestones and realistic schedules.

Principal GIS Consultant/Program Manager (M3)
Staff members in this labor category work as program directors or project advisers, providing project vision, strategic consulting, and program management activities for GIS and IT projects. These staff members apply market/application domain expertise using extensive experience in GIS and related geospatial technologies to support the successful completion of the program. Consulting activities may include strategic planning, review and oversight of requirements definitions, application and database design, and system integration. Management activities may include defining program requirements and objectives, establishing budgets and schedules, allocating staff and other resources, and managing and overseeing subcontractor activities. Staff members in this labor category work with senior client staff in coordination with Esri senior management to resolve issues and support successful project completion.

GIS Database Specialist/Analyst (DB)
Staff members in this labor category provide database development support in creating cartographic and digital data products. These staff members have expertise that includes the performance of hard copy to digital data conversion tasks, data migration, and translation activities utilizing advanced processing techniques in ArcGIS. These individuals design, develop, and implement efficient production tools and workflows in accordance with approved project plans and design parameters.