On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through GSA Advantage!™, a menu-driven database system. The INTERNET address for GSA Advantage!™ is: http://www.GSAAdvantage.gov.

Schedule for Multiple Award Schedule
Federal Supply Group: Professional Services
Contract Number: 47QRAA21D000R
For more information on ordering from Federal Supply Schedules go to the GSA Schedules page at GSA.gov.
Contract Period: NOVEMBER 17, 2020 – NOVEMBER 16, 2025
Price list current as of Modification #PA-0002 effective July 19, 2021

Contractor:
Tukuh Technologies, LLC
1600 Genessee St, Ste 759
Kansas City, MO 64102-1039

Business Size: Small Business, Small Disadvantaged Business, Native American Owned, 8(a) Program Participant

Telephone: (816) 708-1015
Web Site: www.tukuh.com
E-mail: judy.reagan@tukuh.com
Contract Administration: Judy Reagan
CUSTOMER INFORMATION:

1a. Table of Awarded Special Item Number(s) with appropriate cross-reference to page numbers:

<table>
<thead>
<tr>
<th>SIN</th>
<th>SIN Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>54151S</td>
<td>Information Technology Professional Services</td>
</tr>
<tr>
<td>541370GEO</td>
<td>Earth Observation Solutions</td>
</tr>
<tr>
<td>541370GIS</td>
<td>Geographic Information Systems (GIS) Services</td>
</tr>
<tr>
<td>541330ENG</td>
<td>Engineering Services</td>
</tr>
<tr>
<td>OLM</td>
<td>Order Level Materials</td>
</tr>
</tbody>
</table>

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply. See below.

1c. If the Contractor is proposing hourly rates a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate “Not applicable” for this item. See page 4.

2. Maximum Order: $1,000,000.00

3. Minimum Order: $100.00

4. Geographic Coverage (delivery Area): Domestic Only; 48 States, DC

5. Point(s) of production (city, county, and state or foreign country): Same as company address

6. Discount from list prices or statement of net price: Government net prices (discounts already deducted).

7. Quantity discounts: 1% on orders over $250,000; 1.5% on orders over $500,000

8. Prompt payment terms: 1% - 10 days, Net 30 day. Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.

9. Foreign items: Not Applicable

10a. Time of Delivery (Contractor insert number of days): Specified on the Task Order

10b. Expedited Delivery. The Contractor will insert the sentence “Items available for expedited delivery are noted in this price list.” under this heading. The Contractor may use a symbol of its choosing to highlight items in its price list that have expedited delivery: Contact Contractor
10c. Overnight and 2-day delivery. The Contractor will indicate whether overnight and 2-day delivery are available. Also, the Contractor will indicate that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery: Contact Contractor

10d. Urgent Requirements. The Contractor will note in its price list the “Urgent Requirements” clause of its contract and advise agencies that they can also contact the Contractor’s representative to effect a faster delivery: Contact Contractor

11. F.O.B Points(s): Destination

12a. Ordering Address(es): Same as Contractor

12b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA’s) are found in Federal Acquisition Regulation (FAR) 8.405-3.

13. Payment address(es): Same as company address

14. Warranty provision.: Contractor’s standard commercial warranty.

15. Export Packing Charges (if applicable): N/A

16. Terms and conditions of rental, maintenance, and repair (if applicable): N/A

17. Terms and conditions of installation (if applicable): N/A

18a. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable): N/A

18b. Terms and conditions for any other services (if applicable): N/A

19. List of service and distribution points (if applicable): N/A

20. List of participating dealers (if applicable): N/A

21. Preventive maintenance (if applicable): N/A

22a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants). N/A

22b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contractor’s website or other location.) The EIT standards can be found at: www.Section508.gov/. N/A

23. Unique Entity Identifier (UEI) number: 079823588

24. Notification regarding registration in System for Award Management (SAM) database: Contractor registered and active in SAM.
The rates shown below include the Industrial Funding Fee (IFF) of 0.75%.

<table>
<thead>
<tr>
<th>SIN(s)</th>
<th>Labor Category</th>
<th>Min EDU</th>
<th>Min EXP</th>
<th>GSA Price (w/IFF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>54151S: 541370GEO: 541330ENG: 541370GIS</td>
<td>CAD TECHNICIAN**</td>
<td>Bachelors</td>
<td>1</td>
<td>$60.52</td>
</tr>
<tr>
<td>54151S: 541370GEO: 541330ENG: 541370GIS</td>
<td>SR. CAD TECHNICIAN**</td>
<td>Bachelors</td>
<td>5</td>
<td>$74.40</td>
</tr>
<tr>
<td>54151S: 541370GEO: 541330ENG: 541370GIS</td>
<td>GIS ANALYST</td>
<td>Bachelors</td>
<td>1</td>
<td>$93.65</td>
</tr>
<tr>
<td>54151S: 541370GEO: 541330ENG: 541370GIS</td>
<td>SR. GIS ANALYST</td>
<td>Bachelors</td>
<td>5</td>
<td>$104.06</td>
</tr>
<tr>
<td>54151S: 541370GEO: 541330ENG: 541370GIS</td>
<td>SYSTEM ENGINEER**</td>
<td>Bachelors</td>
<td>3</td>
<td>$95.48</td>
</tr>
<tr>
<td>54151S: 541370GEO: 541330ENG: 541370GIS</td>
<td>SR. SYSTEM ENGINEER</td>
<td>Bachelors</td>
<td>7</td>
<td>$124.76</td>
</tr>
<tr>
<td>54151S: 541370GEO: 541330ENG: 541370GIS</td>
<td>DEVELOPER</td>
<td>Bachelors</td>
<td>1</td>
<td>$101.85</td>
</tr>
<tr>
<td>54151S: 541370GEO: 541330ENG: 541370GIS</td>
<td>SR. DEVELOPER</td>
<td>Bachelors</td>
<td>5</td>
<td>$140.04</td>
</tr>
<tr>
<td>54151S: 541370GEO: 541330ENG: 541370GIS</td>
<td>SOLUTION ENGINEER</td>
<td>Bachelors</td>
<td>3</td>
<td>$108.22</td>
</tr>
<tr>
<td>54151S: 541370GEO: 541330ENG: 541370GIS</td>
<td>SR. SOLUTION ENGINEER</td>
<td>Bachelors</td>
<td>8</td>
<td>$171.87</td>
</tr>
<tr>
<td>54151S: 541370GEO: 541330ENG: 541370GIS</td>
<td>DATABASE ENGINEER</td>
<td>Bachelors</td>
<td>3</td>
<td>$114.58</td>
</tr>
<tr>
<td>54151S: 541370GEO: 541330ENG: 541370GIS</td>
<td>SR. DATABASE ENGINEER</td>
<td>Bachelors</td>
<td>7</td>
<td>$146.41</td>
</tr>
<tr>
<td>JOB TITLE</td>
<td>DEGREE</td>
<td>EXPERIENCE</td>
<td>WAGE</td>
<td></td>
</tr>
<tr>
<td>----------------------------</td>
<td>--------</td>
<td>------------</td>
<td>--------------</td>
<td></td>
</tr>
<tr>
<td>PROJECT MANAGER</td>
<td>Bachelors</td>
<td>5</td>
<td>$137.53</td>
<td></td>
</tr>
<tr>
<td>SR. PROJECT MANAGER</td>
<td>Bachelors</td>
<td>8</td>
<td>$159.14</td>
<td></td>
</tr>
<tr>
<td>ENTERPRISE ARCHITECT</td>
<td>Bachelors</td>
<td>10</td>
<td>$152.78</td>
<td></td>
</tr>
<tr>
<td>SR. ENTERPRISE ARCHITECT</td>
<td>Bachelors</td>
<td>15</td>
<td>$190.97</td>
<td></td>
</tr>
<tr>
<td>PROGRAM MANAGER</td>
<td>Bachelors</td>
<td>10</td>
<td>$187.13</td>
<td></td>
</tr>
<tr>
<td>SUBJECT MATTER EXPERT</td>
<td>Bachelors</td>
<td>10</td>
<td>$254.62</td>
<td></td>
</tr>
<tr>
<td>GIS TECHNICIAN</td>
<td>Bachelors</td>
<td>1</td>
<td>$64.82</td>
<td></td>
</tr>
<tr>
<td>CAD MANAGER</td>
<td>Bachelors</td>
<td>10</td>
<td>$91.23</td>
<td></td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>SCLS Eligible Labor Category</th>
<th>SCLS Equivalent Code Title</th>
<th>Wage Determination No</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAD Technician</td>
<td>30061 Drafter/CAD Operator 1</td>
<td>2015-5106</td>
</tr>
<tr>
<td>System Engineer</td>
<td>30081 Engineering Technician 1</td>
<td>2015-5106</td>
</tr>
<tr>
<td>Sr. CAD Technician</td>
<td>30064 Drafter/CAD Operator IV</td>
<td>2015-5106</td>
</tr>
</tbody>
</table>

The Service Contract Labor Standards, formerly the Service Contract Act (SCA), apply to this contract and it includes SCLS applicable labor categories. Labor categories and fixed price services marked with a (***) in this pricelist are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCLS/SCA matrix. The prices awarded are in line with the geographic scope of the contract (i.e., nationwide).
LABOR CATEGORY DESCRIPTIONS

**CAD Technician**

**Qualifications:** Bachelor degree in CAD, computer science, engineering, or another related field. Experience in development, and implementation of CAD software solutions. Experience in BIM and Civil Engineering related CAD production. Expert-level knowledge of Microstation or AutoDesk software and scripting.

**Duties:** Responsible for preparing and editing design and construction drawings, maintains equipment and licenses for software, may maintain GPS or other field equipment and performs QA/QC on drawings and follows and maintains CAD standards and procedures.

**Minimum Experience Required:** Bachelors degree plus 1 year work experience.

**Sr. CAD Technician**

**Qualifications:** Bachelor degree in CAD, computer science, engineering, or another related field and 5 years of experience. Experience in overseeing the direction, development, and implementation of CAD software solutions. Expertise in BIM and Civil Engineering related CAD production. Expert-level knowledge of Microstation or AutoDesk software and scripting.

**Duties:** Maintains equipment and licenses for software, performs QA/QC on drawings and develops and maintains CAD standards and procedures. May supervise others.

**Minimum Experience Required:** Bachelors degree plus 5 years work experience.

**GIS Analyst**

**Qualifications:** Undergraduate degree (four year) in geography, science, engineering, or another related field. Must have demonstrated ability in data editing, map production and geospatial analysis using common GIS platforms (Esri, Mapbox, Autodesk, Bentley Systems). Must have working knowledge of data models and standards.

**Duties:** Provides technical expertise in the use of automated mapping systems. Creates geospatial data and mapping products; provides spatial analysis and end user support; creates documentation on data and workflows; conducts testing of GIS applications and performs QA/QC on data, processes and workflows.

**Minimum Education and Experience Required:** Bachelors degree plus 1 year work experience.

**Sr. GIS Analyst**

**Qualifications:** Undergraduate degree (four year) in geography, computer science, engineering, or another related field. Must have a minimum 5 years of experience and demonstrated ability in needs assessment & workflow analysis, data editing and geospatial analysis using common GIS platforms (Esri, Mapbox, Autodesk, Bentley Systems). Must have demonstrated ability to design and implement data models and standards.

**Duties:** Provides support and technical expertise in the use of automated mapping systems integration with complementary business processes and systems. Collects functional requirements, analyzes and documents business workflows and designs/creates geospatial processes, tools and products to support business needs. May supervise others.
Minimum Education and Experience Required: Bachelors degree plus 5 years work experience.

Systems Engineer**

Qualifications: Undergraduate degree (four year) in computer science, engineering, or another related field. Must have a minimum of 3 years of experience and a demonstrated capability administering computer systems and network administration.

Duties: Provides technical expertise in the use of digital business systems. Analyzes, evaluates and recommends basic architecture, workflows and technology roadmaps to support end-user requirements. Defines organization, indexing methods, load balancing and security measures. Performs administration and troubleshooting.

Minimum Experience Required: Bachelors degree plus 3 years work experience.

Sr. Systems Engineer

Qualifications: Undergraduate degree (four year) in computer science, engineering, or another related field. Must have a minimum of 7 years of experience and a demonstrated capability architecting geospatially-enabled systems. Must have demonstrated ability to design enterprise architectures that integrate with existing databases and/or systems.

Duties: Provides highly technical expertise in the use of specialized business systems, architecture and integration of enterprise systems. Evaluates, validates and establishes enterprise system requirements and designs architecture to include software, hardware, communications, and security to support the total requirements and interfaces. Ensures compatibility and compliance with standards. May supervise others.

Minimum Experience Required: Bachelors degree plus 7 years work experience

Developer

Qualifications: Undergraduate degree (four year) in computer science, engineering, geography or another related field. Must have demonstrated ability developing desktop and/or web applications in modern software development languages. Must have working knowledge of service-oriented computing, system architectures, standard software development protocols and coding standards.

Duties: Application development and computer programming of geospatial and complementary business system capabilities and integration of geospatial applications with other systems and relational databases. Development and implementation of test plans and automated test scripts. Works in solo and team environments using industry standards and source code control systems according to tailored software development lifecycle methodologies.

Minimum Education and Experience Required: Bachelors degree plus 1 year work experience.

Sr. Developer

Qualifications: Undergraduate degree (four year) in computer science, engineering, geography or another related field. Must have demonstrated ability programming GIS applications and a minimum 5 years of experience developing applications using modern software development languages. Must have demonstrated capability capturing and translating user requirements to technical designs and architecting
applications.

**Duties:** Application development and computer programming of applications with business system capabilities and integration of GIS applications with other systems and relational databases. Development and implementation of test plans and automated test scripts. Works in solo and team environments using industry standards and source code control systems according to specified software development lifecycle methodologies. Participates in and may lead the functional and system design and architecture for new applications. May supervise others.

**Minimum Education and Experience Required:** Bachelors degree plus 5 years work experience.

---

**Solution Engineer**

**Qualifications:** Undergraduate degree (four year) in geography, computer science, engineering, or another related field. Must have a minimum of 3 years of enterprise-level GIS technology experience and advanced knowledge of geospatially-enabled systems, databases and/or applications with special emphasis on Esri and server technologies. Must have demonstrated capability in consulting, solution design, software configuration, and operational support.

**Duties:** Assess customer's existing GIS/IT environments and recommend areas for improvements in application technology, system performance, and software migration plans. Install, configure and tune ArcGIS Server and other enterprise software packages. Create models using modern scripting techniques and tools. May supervise others.

**Minimum Experience Required:** Bachelors degree plus 3 years work experience.

---

**Sr. Solution Engineer**

**Qualifications:** Undergraduate degree (four year) in geography, computer science, engineering, or another related field. Must have a minimum of 8 years of enterprise-level technology experience and advanced knowledge architecting geospatially-enabled systems, databases and/or applications with special emphasis on Esri and server technologies. Must have expert capability in consulting, solution design, software configuration, and operational support.

**Duties:** Analyzes business problems and creates well-defined enterprise solutions. Assess customer's existing enterprise environments and recommend areas for improvements in application technology, system performance, security and technology migration plans. Evaluates, analytically and systemically, problems of workflow, organization and planning. May supervise others.

**Minimum Experience Required:** Bachelors degree plus 8 years work experience.

---

**Database Engineer**

**Qualifications:** Undergraduate degree (four year) in computer science, science, engineering, or another related field. Must have a minimum of 3 years of experience and a demonstrated capability administering geospatially-enabled databases. Must have experience administering enterprise databases.
**Duties:** Provides technical expertise in the use of databases and their integration with complementary business systems. Analyzes, evaluates and recommends basic architecture, workflows and technology roadmaps to support user requirements. Performs administration and troubleshooting. May supervise others.

**Minimum Education and Experience Required:** Bachelors degree plus 3 years work experience.

**Sr. Database Engineer**

**Qualifications:** Undergraduate degree (four year) in computer science, science, engineering, or another related field. Must have a minimum of 7 years of experience and a demonstrated capability designing, troubleshooting and administering geospatially-enabled databases. Must have experience administering enterprise databases.

**Duties:** Provides technical expertise in the design and use of databases and their integration with complementary business systems. Develops data structures, analyzes, evaluates and recommends advanced architecture, workflows and technology roadmaps to support user requirements. Performs design, administration and troubleshooting. May supervise others.

**Minimum Education and Experience Required:** Bachelors degree plus 7 years work experience.

**Project Manager**

**Qualifications:** Undergraduate degree (four year) in Computer science, engineering, business or another related field. Must have a minimum 5 years of experience and a demonstrated ability in IT/GIS Project Management. Must have demonstrated knowledge of Project Management tools and methodologies.

**Duties:** Leads GIS projects and/or teams. Performs integration planning and interfaces to other functional groups. Develops, maintains and reports on project plans and schedules; implements project controls; manages a technical team; leads communications with clients and stakeholders; ensures successful completion of all project tasks and deliverables with technical team support. May supervise others.

**Minimum Education and Experience Required:** Bachelors degree plus 5 years work experience.

**Sr. Project Manager**

**Qualifications:** Undergraduate degree (four year) in Computer science, engineering, business or another related field. Must have a minimum 8 years of experience and demonstrated experience managing IT/GIS implementations or teams. Must have demonstrated capability implementing project controls and using tools to develop project schedules, work breakdown structures, and milestone-driven Gantt charts. Experienced in business development activities.

**Duties:** Leads GIS projects and/or teams. Performs integration planning and interfaces to other functional groups. Develops, maintains and reports on project plans and schedules; manages a technical team; leads communications with clients and stakeholders; ensures successful completion all project tasks and deliverables with technical team support. Designs project management methodologies and supports project profitability analyses. Supports key account management and leads client specific business development activities. May supervise others.

**Minimum Education and Experience Required:** Bachelors degree plus 8 years work experience.

**Enterprise Architect**

**Qualifications:** Undergraduate degree (four year) in Computer science, geography, engineering, business or another related field. Must have a minimum of 10 years of enterprise-level technology
experience and expert knowledge architecting GIS systems, databases and/or applications with special emphasis on server-side technologies. Must have expert capability in consulting and solution design. Demonstrated high level competence in business analysis, development and strategic planning.

**Duties:** Primary responsibilities will be targeted project execution and sales support. Leads client engagements by demonstrating technical capabilities and determining functional requirements to address customer needs. Provides expertise on technology strategy and its business impact. Recognized technical expert and thought leader. Markets and educates clients and technical teams on location technology platforms and technologies. May supervise others.

**Minimum Experience Required:** Bachelors degree plus 10 years work experience.

**Sr. Enterprise Architect**

**Qualifications:** Undergraduate degree (four year) in Computer science, geography, engineering, business or another related field. Must have a minimum of 15 years of enterprise-level technology experience and expert knowledge architecting GIS systems, databases and/or applications with special emphasis on server-side technologies. Must have expert capability in consulting and solution design. Demonstrated high level competence in business analysis, development and strategic planning.

**Duties:** Primary responsibilities will be program level architecture development, design and consulting. Leads client engagements with enterprise customers with complex business needs by demonstrating technical capabilities and determining functional requirements. Provides expertise on technology strategy and its business impact to the organization. Recognized technical expert and thought leader. Markets and educates clients and technical teams on location technology platforms and technologies. May supervise others.

**Minimum Experience Required:** Bachelors degree plus 15 years work experience.

**Program Manager**

**Qualifications:** Undergraduate degree (four year) in the field, with demonstrated expertise and ability to diagnose and define problems and recommend options in complex business settings.

**Duties:** Serves as the lead for multiple projects and works directly with the Subject Matter Expert or Principal in the overall management of the specific task. Insures that the technical solutions and schedules are implemented in a timely and effective manner. Performs enterprise wide integration planning and interfaces to other functional systems. Directs the work of project managers and other project team members.

**Minimum Experience Required:** Bachelors degree plus 10 years work experience.

**Subject Matter Expert**

**Qualifications:** Undergraduate degree (four year) in computer science, science, engineering, business or another related field. Must have a minimum 10 years of experience, demonstrated expertise and ability to define problems and recommend options in GIS/IT Enterprise solutions.

**Duties:** Highly skilled in providing specialized consulting services to management including, but not limited to, GIS technical direction, GIS visioning, business practices, program management, strategy assessment, planning and technical consulting services. Excellent communicator. Subject matter specialist. A primary point of contact with ultimate decision makers.

**Minimum Experience Required:** Bachelors degree plus 10 years work experience.
GIS Technician

Qualifications: Undergraduate degree (four year) in geography, science, engineering, business or another related field. Must have demonstrated ability in data editing using GIS software (e.g. Esri, Mapbox, Autodesk, Bentley Systems), and field data collection activities specifically related to the use of GPS or drone equipment. Must have working knowledge of data models and standards.

Duties: Responsible for locational and attribute data collection and data conversion activities for physical features to be incorporated into geospatial or related databases. Maintains GPS receivers and other related field equipment. Performs QA/QC on data, processes and workflows.

Minimum Education and Experience Required: Bachelors degree plus 1 year work experience.

CAD Manager

Qualifications: Bachelor degree in CAD, computer science, engineering, or another related field and 10 years of experience. Experience in overseeing the direction, development, and implementation of CAD policies and standards. Expertise in BIM and Civil Engineering related CAD production. Expert-level knowledge of Microstation or AutoDesk software and scripting.

Duties: Establishes structures, policies and procedures for the CAD department. Develops project and personnel schedules and ensures deliverable implementation and completion. Responsible for verification, review and approval of drawings in various design modeling software formats. Supervises others.

Minimum Experience Required: Bachelors degree plus 10 years work experience.