

GIS Consulting Services RFP-RH-26-004 Closes on Tuesday, February 12 at 3:00 p.m.					
	Cities Digital, Inc (CDI) 2000 O'Neil Road, Suite 150 Hudson, WI 54016	Cultivate Geospatial Solutions, LLC 3500 Depauw Blvd, Suite 10815 Indianapolis, IN 46268	CodeRunner Inc. 3515 Mt. Diablo Blvd, Unit #27 Lafayette, CA 94549	Concourse Tech, Inc. 169 Madison Ave., Suite 15520 New York, NY 10016	Consultadd Public Services World Trade Center 3, 175 Greenwich Street, 38th Floor New York, NY 10007
Summary of qualifications and firm history narrative:	Operating since 2001, ArcGIS and Laserfiche partner that specializes in integrating spatial data with document management, having completed hundreds of local government projects involving complex geodatabase upgrades and enterprise system bridges.	Esri Gold Business Partner specializing in Enterprise GIS architecture, system configuration, and data migration for municipalities. Expertise includes ArcGIS Enterprise upgrades, SDE administration, and AGOL governance, with a specific focus on transitioning local governments from ArcMap-dependent workflows to service-based architectures alongside partners like Qlik and Safe Software (FME).	They focus on data accuracy and operational continuity, they support municipalities and utilities through ArcGIS Enterprise modernizations, Utility Network transformations, and legacy system retirements. Their expertise spans the Esri stack, Python automation, and cloud-native deployments, alongside open-source proficiency in PostGIS and GeoServer. They utilize a scalable onshore-offshore delivery model to combine local leadership with global technical resources.	Exclusively focus on the public sector, and specialize in enterprise system modernization through RESTful API development, SQL database management, and bidirectional data synchronization. Their security-first approach utilizes Agile workflows to build modular, interoperable components that integrate with the full Esri stack, from ArcGIS Server and Portal to Cloud-based components.	Have 15 years of state and local government experience, and they specialize in stabilizing and modernizing ArcGIS Enterprise environments. Expertise centers on multi-version upgrades to long-term support releases, migrating legacy ArcMap runtimes to current Esri standards, and providing technical integration support for municipal Asset Management Systems (AMS).
Scope of Work Narrative, including detailed plan of Year 1 Lucity Bridge Solution and Enterprise Upgrade:	Year 1 strategy focuses on a phased transition to minimize downtime while retiring ArcMap dependencies. The Lucity Bridge solution involves developing non-ArcMap middleware using Python or C# to maintain spatial asset selection and work order functionality. This approach utilizes ArcGIS Pro tasks or Attribute Rules to synchronize updates with the Lucity SQL Server 2016 database via ODBC/SQL connections. Simultaneously, the firm will perform an ArcGIS Enterprise installation, utilizing the webgjsdr tool or site-to-site migration strategies to transition users, groups, and items from the existing environment.	Year 1 strategy focuses on upgrading core infrastructure and decoupling legacy software dependencies to align with Esri's long-term support (LTS) roadmap. The Lucity Bridge solution involves migrating all ArcMap-based Python ETL processes to standalone ArcGIS Pro-compatible Python environments to avoid version conflicts. For the Enterprise upgrade, proposes a parallel deployment—rather than an in-place upgrade—utilizing automated installation to ensure a consistent environment. Includes a comprehensive inventory of legacy applications, workflow validation within the parallel system, and the delivery of operational documentation and staff training.	Year 1 objective focus on environment stabilization and the elimination of ArcMap dependencies without operational disruption. Comprehensive infrastructure audit of the SQL Server and ArcGIS Enterprise environments to catalog all services, integrations, and Python scripts. Will implement a parallel ArcGIS Enterprise environment and maintain separate testing and production geodatabases until user acceptance is complete. The Lucity Bridge solution will enable web-map asset selection for work order initiation while ensuring historical record associations remain intact during asset splits. Legacy datasets will be migrated to modern schemas utilizing Global IDs, editor tracking, and Attribute Rules.	Year 1 scope involves discovery and requirements validation to design the non-ArcMap bridge architecture, development and testing Lucity bridge solution to ensure data synchronization and workflow continuity independent of ArcMap runtimes, concluding with User Acceptance Testing (UAT), full ArcGIS Enterprise upgrade, geodatabase schema validation, and final bridge integration, focusing on staff training, the delivery of comprehensive system documentation, and the transition to a long-term support model.	Year 1 scope includes review of service runtimes, Lucity integration points, and geodatabase configurations to identify dependencies. Will establish a non-production environment to validate platform behavior, security, and service publishing for the target release. A service-based Lucity bridge solution will be designed and implemented to replace desktop-dependent runtime, functional and user acceptance testing, the ArcGIS Enterprise upgrade will be executed in a sequenced rollout—starting in the non-production environment before moving to production. A coordinated production cutover and a dedicated stabilization period to monitor system performance.
Did the firm provide a scope of work expansion proposal that goes beyond the minimum requirements?	Proposed as a value-add implementation of their proprietary ArcGIS Integration for Laserfiche.	Propose expanding the scope to include the establishment of lightweight administrative and monitoring standards aligned with Esri best practices. Their expanded services include enhancing internal and public-facing applications using modern tools like Experience Builder and Dashboards, defining GIS data ownership roles, and implementing automated validation workflows. Suggest streamlining integrations with other City systems through automated reporting and scheduled updates, conducting an application inventory to identify redundancies, and providing targeted staff training.	Offer a roadmap for cost-efficiency and infrastructure modernization. Suggest a Year 2 cloud readiness assessment to evaluate transitioning to Azure or AWS, alongside guidance on integrating open-source tools like PostGIS and QGIS to reduce licensing overhead. Expanded scope also includes optimizing field operations for water, sewer, and fire utilities by streamlining over the City's 120 hosted feature layers, as well as developing public-facing ArcGIS Hub sites for infrastructure and CIP projects. Automation audit to implement predictive maintenance scripts for geodatabase management, reducing the need for manual intervention.	Propose expanding the scope to include a comprehensive geodatabase assessment to identify orphaned records and inconsistencies, followed by a prioritized remediation plan. Suggest implementing automated health-tracking scripts to provide proactive alerts for system downtime and data synchronization issues. Propose developing a leadership dashboard to visualize system usage, data freshness, and operational metrics. Services include an Asset Management System (AMS) transition readiness assessment to evaluate API compatibility and migration complexity for future platforms, alongside a legacy process inventory and a modernization roadmap that extends beyond the core Lucity integration.	Propose expanding the scope to establish a predictable governance framework that formalizes publishing standards and refines user role configurations across Portal and ArcGIS Online. Suggest implementing a structured annual upgrade readiness review process to maintain system health over time. Propose defining a performance and configuration baseline by optimizing services and establishing benchmarks for critical workflows. To prepare for future Asset Management System (AMS) integrations, plan to document all integration touchpoints and service dependencies, ensuring the environment is architecturally sound and requires no foundational redesign for future growth.
Did the firm describe their experience in the design, implementation, maintenance, and troubleshooting of ArcGIS Enterprise (Server, Portal, Data Store) and ArcGIS Online, detailing experience with full lifecycle administration, including multi-version migrations, managing the transition away from legacy runtime dependencies, and administering user types, roles, and privileges.	Authorized Esri Partner and demonstrate technical depth in the design, installation, and maintenance of complex ArcGIS Enterprise architectures. Team includes specialized architects and developers experienced in auditing legacy scripts and troubleshooting system integrations to ensure stability. With over 20 years of experience in local government, have managed hundreds of projects involving the configuration of user types and security privileges. Proposal includes creating three-tier architectures on new infrastructure and performing content migrations that preserve existing service links while replacing legacy dependencies with modern code.	Routinely assist municipalities with migrating from ArcMap-dependent workflows to ArcGIS Pro and provide architecture design, performance tuning, and specialized break/fix support for servers and map services. Experience includes ongoing ArcGIS Enterprise administration and ArcGIS Online governance, with specific expertise in SSO, federated services, and identity provider integration. As part of the upgrade process, will execute a portal migration plan for users, groups, and items, while delivering an operational runbook for long-term content governance. Methodology utilizes PowerShell Desired State Configuration (DSC) to manage parallel deployments, allowing for full system validation in a staging environment prior to the final cutover.	Experience in the full-lifecycle modernization of ArcGIS Enterprise and ArcGIS Online, and focus on the deployment of feature layers and the retirement of legacy technical debt, design and troubleshooting of complex system architectures, performance tuning for enterprise geodatabases, and the development of GIS governance frameworks utilizing role-based access controls. Have engineered Python-based onboarding scripts to automate permissions, security settings, and SSO configurations. Upgrade methodology uses a parallel environment strategy to ensure zero downtime and utilizes a non-ArcMap bridge solution to replace integrations that rely on expired runtimes.	Will utilize official Esri documentation and best practices to administer core components, including Portal for ArcGIS and ArcGIS Online. Approach transitions ArcGIS Pro-based workflows using ArcPy scripts and they design bridge architectures with REST API integration layers. To enhance system transparency, propose developing a management dashboard using ArcGIS Experience Builder to track system health, data freshness, and operational metrics. Migration methodology focuses on upgrading enterprise systems with minimal downtime through comprehensive testing and a strict adherence to established software migration standards.	Have experience in administration, federation management, service publishing, troubleshooting, and performance optimization. Upgrade includes specialized procedures to ensure the ArcGIS Data Store remains synchronized with the overall platform throughout the transition. Have experience in migrating ArcMap-based runtimes to ArcGIS Pro-based services, which includes classifying services by runtime and refactoring legacy geoprocessing workflows. Led by a dedicated Enterprise GIS Administrator, the team manages security, user roles, and governance controls across both Portal and ArcGIS Online to ensure consistent access and alignment with Esri retirement milestones.

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What is the firm's expertise in Enterprise SDE geodatabase administration, including understanding of SQL Server operations, permission models, and security capabilities within a complex GIS environment?	Highlight expertise in managing two-tier architectures and executing complex geodatabase schema migrations, including specific experience transitioning Parcel Fabric within ArcGIS Pro. Their technical approach is led by a Lead GIS Architect who holds Microsoft Certified Solutions Expert (MCSE) credentials with a focus on SQL Server. To support system interoperability, propose a middleware solution that utilizes ODBC and SQL connections to facilitate data flow across the enterprise.	Demonstrate proficiency in SDE geodatabase administration, covering the full lifecycle from initial design and migration planning to data service publishing. Technical expertise includes deep-dive troubleshooting within Microsoft SQL Server, specifically regarding architectural reviews and performance tuning for the data store tier. Experienced in securing environments through Microsoft Active Directory integration and limited-access domain accounts, as well as optimizing SQL Server configurations such as recovery models. Have a background in designing Extract, Transform, and Load (ETL) workflows to facilitate complex data migrations from platforms like Oracle into SQL Server environments.	Experience in enterprise SDE geodatabase administration, with a focus on performance tuning and the design of modern utility GIS schemas. Technical background covers both traditional and branch-versioned multi-user editing environments, as well as geodatabase health assessments. Team is proficient in Microsoft SQL Server maintenance, including the conversion of databases to support ST_Geometry and the implementation of role-based access controls and data stewardship models. To ensure long-term efficiency, they propose utilizing Python automation to monitor performance and manage routine maintenance tasks, such as geodatabase compression and indexing.	Emphasize that their core SQL Server expertise is the foundation for their enterprise geodatabase administration. Maintain a deep understanding of database operations, including the management of permissions, stored procedures, and general optimization within complex environments. This technical proficiency is applied specifically to GIS tasks such as schema management, performance tuning, and geodatabase replication. By leveraging these database-level capabilities, aim to ensure data integrity and system efficiency at the architectural tier.	Highlight the presence of a dedicated SQL Server Specialist with expert-level enterprise SDE geodatabase administration capabilities. Have seven years of experience in SQL Server database administration, and team focuses on conducting performance integrity reviews during the upgrade process to ensure synchronization with underlying database configurations. Emphasize the importance of aligning SQL Server roles and permissions with specific GIS access requirements to maintain data security and operational accessibility. Advocate for close coordination with City IT staff to optimize schema management and ensure system compatibility remains intact throughout version transitions.
Does the firm have expertise using Python (for scripting, automation, and ETL) and Arcade Expression (for web application configuration)?	Senior Developer has experience in Python automation to modernize the City's scripting environment. Their approach includes refactoring legacy Python scripts for compatibility with Python 3.x and the modern ArcGIS Pro framework. They intend to utilize Python to automate data synchronization between the GIS and the Lucity database, ensuring consistent data flow across platforms.	Propose a strategy to migrate all ArcMap-based Python ETL processes to ArcGIS Pro-compatible environments, specifically designing them to operate within standalone Python environments decoupled from ArcGIS Enterprise. Utilize Python scripting and Esri frameworks to automate data transitions, while using the Windows Task Scheduler to manage routine maintenance such as index rebuilding and version reconciliation. Team demonstrates experience with attribute rules and the configuration and upgrading of Esri web maps and applications.	Experience in Python, Arcade, and FME, using them to ensure seamless synchronization with Asset Management Systems. Approach includes refactoring legacy scripts into Python 3.x and using onboarding scripts that programmatically automate geodatabase creation and security configuration. Use Python for performance monitoring and the automation of routine tasks like compression and indexing. Shift logic to Arcade expressions to facilitate real-time validation and dynamic symbology across ArcGIS Field Maps, Experience Builder, and Dashboards. Will develop Arcade-based attribute rules and pop-up configurations within ArcGIS Pro, to ensure a positive user experience.	Propose a custom integration solution that leverages Python automation, REST APIs, and web services to maintain operational continuity. Technical strategy involves using the ArcPy site package to replace legacy ArcMap-based editing and data synchronization workflows with modern, automated processes. Emphasize experience in Python-based ETL development, specifically focused on data integration and workflow automation to ensure seamless communication between systems.	Identify Python automation as a core technical service, highlighting proficiency in ArcPy, REST API integrations, and service automation for public-sector environments. Python is the central part of their strategy for the Lucity bridge, where they say they'll utilize scripting to manage data synchronization workflows. Senior GIS Developer possesses specialized experience in applying Arcade expressions to configure and enhance web applications, ensuring logic is maintained across the ArcGIS platform.
Does the firm have experience with comparable government clients?	Stated have completed hundreds of integration and data projects for local government entities, including geodatabase upgrades, parcel fabric migrations, and custom integration bridges similar to the Lucity requirements in the RFP.	Stated that they support cities, counties, utilities, regional agencies, and state DOTs, and that they have delivered numerous successful ArcGIS Enterprise Upgrades for municipal governments.	Stated they provide project experience in which they served as subcontractors for several government entities as well as utility and infrastructure GIS experience.	Stated that they work exclusively with government agencies and have expertise in their specific compliance requirements, budget cycles, and operational constraints and have successfully delivered technology solutions to government agencies across multiple states, including Michigan.	Stated they are a national public-sector technology consulting firm with more than 15 years of delivering modernization initiatives for state and local government agencies and indicated have worked within public-sector governance structures, procurement constraints, and operational sensitivities.
Did the firm provide resumes and qualifications for all key personnel?	Provided	Provided	Provided	Provided	Provided
Did the firm provide references?	Provided	Provided	Partially provided, with note of available upon request	Provided	Provided
Attachment C - Cost Proposal	See cost tab	see cost tab	See cost tab - provided an onshore only cost proposal and a hybrid onshore/offshore cost proposal	See cost tab	See cost tab
Attachment B - Contract Exceptions	None	None	None	None	Exceptions Noted

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<p>Summary of qualifications and firm history narrative:</p>	<p>Over 20 years of experience across all government levels, are an Esri partner that delivers GIS and IT solutions using a CMMI Level 3 and Agile Scrum governance framework. Provide full-stack ArcGIS Enterprise administration and expert-level SDE management—specifically within Microsoft SQL Server environments—alongside a proven track record in Python automation, Arcade expressions, and multi-version system upgrades.</p>	<p>Esri Business Partner and ArcGIS System Ready firm, have served over 70 government entities across cities, townships, and counties. Specialize in the full project lifecycle—from needs assessments and hybrid system architecture to custom software development—and received Esri’s Special Achievement in GIS (SAG) awards in 2017, 2021, and 2025 for their work in municipal and utility environments.</p>	<p>With 20 years of experience in the public sector and utilities, specializing in Enterprise GIS solutions, including platform upgrades, system integration, and application development. Their background includes managing high-risk transitions such as software end-of-support events, ArcMap retirement, and ArcGIS Pro migration. Maintain technical proficiency across the Esri stack, including ArcGIS Online/Portal management and database administration within SQL Server and Oracle environments.</p>	<p>Esri Gold Partner for over 20 years, providing geospatial consulting and system modernization services aligned with the ArcGIS Well-Architected Framework. Focus on ArcGIS Enterprise architecture, platform upgrades, and geodatabase design, with specific emphasis on integrating GIS with asset management systems using Python and SQL. Esri partner designations in both ArcGIS Cloud Services and State and Local Government.</p>
<p>Scope of Work Narrative, including detailed plan of Year 1 Lucity Bridge Solution and Enterprise Upgrade:</p>	<p>Year 1 scope focuses on upgrading ArcGIS Enterprise to a long-term support release and implementing a non-ArcMap Lucity bridge. The bridge solution will utilize ArcGIS REST services and the Lucity API for data access and synchronization, replacing desktop-dependent runtimes. Process includes documenting integration points, creating a formal test plan, and delivering runbooks and staff training. The upgrade strategy prioritizes risk mitigation through a full system backup and a development-first validation process. Will inventory all services and federations for compatibility before upgrading the development environment; once validated and approved, the production upgrade will be executed during a planned window, followed by a stabilization period.</p>	<p>Year 1 scope begins with a virtual kickoff to document current architecture, security models, and Lucity integration points, resulting in a Bridge Plan Report to ensure functional equivalence. Proposed bridge solution will be tested in a parallel virtual environment before a scheduled cutover, supported by documentation and training for up to 10 staff members. Will require upgrade to SQL Server 2019 as a prerequisite for the ArcGIS Enterprise transition. The upgrade will be executed in a parallel environment with rigorous compatibility testing prior to production. Will implement ArcGIS Monitor to track system health, performance, and usage.</p>	<p>Propose utilizing their proprietary integration platform, EpochSync Pro, to serve as the engine for the Lucity bridge. This platform acts as a back-end synchronization layer to manage attribute consistency, incremental processing, and auditable exception reporting. The solution aims to maintain spatial work order initiation and preserve historical asset associations during GIS edits or splits. The upgrade strategy targets the next available Esri long-term support release, utilizing a dev/staging environment for validation before final cutover. Under this model, City IT manages the SQL Server administration and infrastructure, while the firm executes Esri-specific enterprise and geodatabase upgrades using a "validation gates" strategy followed by a stabilization period.</p>	<p>Plan to replace the ArcMap-dependent integration with a modular, service-based bridge utilizing Feature Services and REST APIs. The architecture focuses specifically on maintaining two mission-critical workflows: spatial asset selection for work order initiation and the preservation of historical associations during asset splits. The upgrade strategy involves transitioning the existing single-machine environment to the current long-term support release using a parallel deployment on City-provided virtual machines. The process follows a formal change-control sequence, including non-production validation and environment backups, while committing to maintaining unchanged service URLs. Under a split responsibility model, City IT retains responsibility for SQL Server and OS administration, while the firm manages GIS-specific database administration.</p>
<p>Did the firm provide a scope of work expansion proposal that goes beyond the minimum requirements?</p>	<p>Expanded scope includes an evaluation of the City’s service publishing governance and risk posture, resulting in an executive summary with prioritized strategic recommendations. Suggest developing an Enterprise GIS Recovery Playbook, which includes simulated tabletop exercises to establish formal recovery time and point objectives (RTO/RPO). Propose an audit of public-facing content to optimize credit consumption, the establishment of performance baselines for system resource utilization, and a cloud migration readiness blueprint. Propose quarterly knowledge-transfer sessions and the creation of an internal GIS Administration handbook designed to reduce long-term consultant dependency. Provide a framework for future AMS integration readiness and quarterly leadership reports that track system health and risk registers.</p>	<p>Propose implementing and configuring ArcGIS Monitor to provide real-time tracking of system performance, usage, and service availability. This would allow City staff to use visual dashboards and error logs to identify root causes of issues quickly, leading to optimized resource allocation and reduced downtime. Propose a miscellaneous support allocation within the scope of work, providing a flexible fund for as-needed troubleshooting or enhancement requests that would only be utilized upon explicit City approval.</p>	<p>Propose several optional service expansions focused on strategic planning and long-term cost management. Expanded scope includes assisting the City in establishing or refining governance practices and developing a multi-year maintenance roadmap to manage GIS lifecycle costs. Suggest reviewing data maintenance workflows to identify opportunities for configuration-based automation and providing role-based training sessions for editors and administrators, supplemented by tailored reference materials. Offer integration planning and implementation support to align workflows once a new Asset Management System (AMS) is selected.</p>	<p>Propose s a series of optional enhancements designed to strengthen governance and technical resilience. Expanded scope includes the development of a governance and lifecycle framework to formalize decision-making authority and environment management standards. To mitigate risk, suggest an independent validation of the City’s disaster recovery protocols, which would involve executing a controlled restore scenario and configuring proactive health monitoring. Propose a structured analysis of service utilization and resource consumption to guide data-driven capacity planning, ensuring system resources are optimized to prevent over-provisioning. Offer to lead technical efficiency reviews and role-based workshops specifically tailored to the operational needs of City staff.</p>
<p>Did the firm describe their experience in the design, implementation, maintenance, and troubleshooting of ArcGIS Enterprise (Server, Portal, Data Store) and ArcGIS Online, detailing experience with full lifecycle administration, including multi-version migrations, managing the transition away from legacy runtime dependencies, and administering user types, roles, and privileges.</p>	<p>Experience in full-stack operation and modernization and the complete ArcGIS Enterprise suite and ArcGIS Online. They have a proactive monitoring, structured incident response, and controlled change management across development, testing, and production environments. Manage complex cloud-hosted deployments, SSO/SAML identity integrations, and broader content governance. Upgrade strategy follows a development-first validation process—including baseline inventories and verified backup strategies—specifically designed to migrate away from ArcMap-dependent service runtimes and legacy publishing workflows.</p>	<p>Specialize in ArcGIS Enterprise and Portal implementations, with specific expertise in architecture design and on-call technical troubleshooting. Utilize ArcGIS Monitor and system error logs to proactively track system health, identify performance bottlenecks, and resolve issues. Experience includes migrating services, applications, and automated processes between ArcGIS Online and centralized Enterprise environments, while ensuring adherence to security and user management best practices. Upgrade methodology involves transitioning from deprecated ArcMap processes to ArcGIS Pro-compatible workflows and modern data models, utilizing a parallel virtual testing environment to minimize risk prior to final cutover.</p>	<p>Provide comprehensive services for architecture design, multi-version upgrades, and troubleshooting across development, test, and production environments. Specialize in managing hybrid Enterprise/Online deployments, focusing on authentication, sharing models, and the alignment of role-based access with organizational security standards. Use EpochSync Pro, a proprietary platform for system governance and troubleshooting. Upgrade strategy employs a phased approach with validation gates to verify performance and integrations in a parallel environment. This methodology is designed to maintain operational continuity and eliminate ArcMap runtime dependencies without interrupting daily business functions.</p>	<p>Provide full-lifecycle support for ArcGIS Enterprise and Online, guided by the Esri Well-Architected framework to prioritize security, performance, and governance. Expertise includes architecture design, multi-version upgrades, and the migration of legacy municipal workflows to modern service-based architectures. Offer a structured maintenance model featuring performance tuning, architectural optimization, and proactive monitoring to detect service failures or resource degradation. Upgrade methodology involves a full-stack transition of Portal, Server, and Data Store components—including SQL Server geodatabase migrations—utilizing a parallel environment with defined sequencing and validation gates to ensure system stability.</p>

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What is the firm's expertise in Enterprise SDE geodatabase administration, including understanding of SQL Server operations, permission models, and security capabilities within a complex GIS environment?	Will coordinate with the City IT on critical SQL sever elements such as service accounts, secure connection configurations, and maintenance windows. Plan to evaluate the system resources and data access patterns to perform performance tuning across the Enterprise GIS stack, as well as verifying and aligning SQL Server geodatabase backup processes with the City's IT policies and hosting architecture. Will review and optimize database security and access configurations to ensure precise permissions, and align access controls with the City's existing governance model to reduce conflicts. Will implement role based access controls and manage user types, roles, and privileges. Have experience in enterprise identity integrations including SSo and SAML patterns to ensure secure access within complex government deployments.	Experience in enterprise SDE SQL Server environments, automating version reconciliation and implementing rigorous QA/QC procedures. Team is proficient in SQL Server configuration, version management, and performance tuning. Experience in migrating legacy data into complex frameworks like the Esri Utility Network. Utilize SQL and Python scripting for nightly automation of geodatabase maintenance and reporting. Experience designing attributed SQL databases specifically for integration with external systems such as SCADA, customer billing, and Lucity. Technical approach includes the use of custom SQL algorithms to enforce topological rules and logical consistency, ensuring data quality is validated before reaching the production environment. Understand the importance of secure, role-based access to safeguard data integrity during synchronization between the GIS and Asset Management Systems.	Experience in schema design and the management of complex versioning strategies required for multi-user editing and data replication. Experience spans both SQL Server and Oracle environments, focusing on data integrity through structured validation routines and schema verification. Maintain a clear division of responsibility - the City remains responsible for infrastructure-layer tasks—such as OS and SQL patching, backups, and network security—while the firm executes Esri-specific components. These tasks include enterprise geodatabase upgrades, application-layer validations, and coordinating the specific database permissions required for GIS-specific workflows with City DBAs.	Have a defined DBA scope that distinguishes between platform administration and GIS database management. Under this model, the City maintains OS-level administration while the firm manages the GIS-specific database layer, including indexing, compression, spatial query tuning, and schema modifications. Characterize the SQL Server as a critical performance component rather than a simple storage container, focusing on proactive performance management and the verification of authentication models and role-based behaviors. Expertise also covers geodatabase migration, the maintenance of schema integrity, and the coordination of required permissions within complex, multi-user SDE environments.
Does the firm have expertise using Python (for scripting, automation, and ETL) and Arcade Expression (for web application configuration)?	Approach for the Lucity bridge utilizes automation tools, such as Python or ETL processes, designed to support robust scheduling, retry logic, logging, and auditability. Experience developing automation using both ModelBuilder and Python, including the publication of these processes as REST-based geoprocessing services. Plan to utilize Arcade expressions to modernize the City's web-based GIS tools, prioritizing high-impact automation and reliability improvements to enhance the overall user experience.	Experience in developing Python scripts to automate reporting, real-time data integration, and event-triggered notifications. Technical approach includes the creation of ETL solutions to standardize data across systems and the use of Python to manage versioned geodatabases, specifically through nightly scripts for reconciliation and posting. Utilize Arcade expressions to drive dynamic behavior within web applications and dashboards, as well as for data manipulation and transforming hosted datasets into user-friendly formats, ensuring that information displayed to end-users remains relevant and operationally accurate.	Promote using their proprietary integration tool, EpochSync Pro, rather than relying on custom Python scripts. Say custom-coded scripts are potentially difficult to support and instead advocate for their platform as a more governed, auditable, and repeatable mechanism for data movement and synchronization. Focus centers on replacing legacy workflows and providing enterprise-wide process improvements.	Emphasize workflow modernization and automation through the use of Python and SQL, backed by an ArcGIS API for Python Specialty certification from Esri. Technical strategy for the Lucity bridge relies on Python automation to drive the service layer, ensuring a programmatic connection between systems.
Does the firm have experience with comparable government clients?	Highlight experience with various levels of government including federal, state, and local entities, with most projects in the federal sector and indicate that these experiences are directly transferable to the City's needs. Experience with public libraries and regional councils operates within the same governmental frameworks as city departments.	Stated they have provided GIS services to over 70 government entities across the US including 34 counties, 12 cities, and 14 boroughs/townships. Also indicate that their government partnerships are long-standing and that 28% of their government clients have contracted with them more than 5 times and 56% have contracted them 10 or more times.	Stated that they have experience supporting municipal and regional government and utility clients operating within the governance and operational constraints that are common to municipal organizations. Did not specify any specific government or utility projects or references.	Stated they have been providing GIS consulting, enterprise architecture, and modernization services to state and local government for over 20 years.
Did the firm provide resumes and qualifications for all key personnel?	Provided	Provided	Provided	Provided
Did the firm provide references?	Provided	Provided	Not Provided	Provided
Attachment C - Cost Proposal	see cost tab	See cost tab.	See cost tab.	See cost tab.
Attachment B - Contract Exceptions	None	None	Exceptions Noted	None

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	<p align="center">Geographic Technologies Group, LLC 1299 B Parkway Drive Goldsboro, NC 27534</p>	<p align="center">Geoscope Analytics 17641 W Maya Way Surprise, AZ 85387</p>	<p align="center">Information Resource Group, Inc. 1617 Southridge Drive, Suite 200 Jefferson City, MO 65109</p>	<p align="center">iSpatial Techno Solutions, Inc. (IST) 16225 Park Ten Place, Suite 500 Houston, TX 77084</p>
<p>Summary of qualifications and firm history narrative:</p>	<p>Operating for nearly 30 years, are an Esri Gold Partner focusing exclusively on enterprise GIS consulting for state and local governments. Offer services such as hands-on technical execution over strategic planning, including the development of GIS roadmaps, governance models, and enterprise geodatabase maintenance. Specialize in data conversion, spatial analysis, and custom application development using ArcGIS Enterprise, Python, and FME, while providing ongoing operational support and technical training.</p>	<p>Specialize in enterprise ArcGIS modernization and platform stabilization, and focus on municipal GIS transformation initiatives. Approach prioritizes system stabilization prior to transformation, with direct experience supporting environments that integrate Asset Management Systems (AMS) and internal operational workflows. Services include ArcGIS Enterprise architecture reviews, the retirement of ArcMap-dependent workflows, geodatabase design, and governance advisory support.</p>	<p>Over 27 years of experience in IT and system integration, hold more than 40 active government contracts across 24 states and has served over 100 public agencies. Expertise includes GIS modernization, asset management integration, and compliance-driven project delivery. Specialize in large-scale system transitions, including multi-version ArcGIS Enterprise upgrades and the elimination of legacy runtime dependencies.</p>	<p>Have a global reach serving over 100 clients, and maintain a workforce of over 150 full-time employees and consultants and are an Esri Gold Partner with specializations in State & Local Government and Cloud Services. Maintain formal partnerships with Amazon Web Services (AWS) and Microsoft Azure. Core expertise includes enterprise GIS management, Utility Network transitions, and AI-based geospatial analytics for both public and private sector projects.</p>
<p>Scope of Work Narrative, including detailed plan of Year 1 Lucity Bridge Solution and Enterprise Upgrade:</p>	<p>Propose a controlled modernization approach, focusing on environment stabilization prior to implementing new workflows. The existing ArcMap-dependent integration will be replaced by a Python 3-based automation layer using ArcGIS Pro and ArcGIS Enterprise APIs to interact with feature services and REST APIs. The solution emphasizes identifier stewardship to ensure asset identifiers remain continuous and historical work order associations are preserved during asset splits. The upgrade strategy involves a parallel deployment on City-provided virtual machines to prioritize endpoint stability and maintaining existing service URLs. Production promotion will only occur following a successful validation sequence and confirmed recovery readiness.</p>	<p>Propose eliminating ArcMap runtime dependencies by implementing a service-based bridge solution utilizing ArcGIS Pro-compatible workflows. The project focuses on maintaining asset relationships, historical work order associations, and asset-split preservation. Enterprise upgrade follows a controlled, sequenced path—upgrading the Portal, Server, and Data Store followed by geodatabase validation. Methodology includes full system backups and documented rollback planning, utilizing a gated testing framework where each phase requires validated acceptance before proceeding to the next step.</p>	<p>Year 1 scope detailed review of existing GIS-Lucity editing and synchronization processes to document specific ArcMap dependencies. Implement an ArcGIS Pro-based replacement to maintain Lucity operations, ensuring existing workflows remain functional until the new bridge is validated by City staff. The Enterprise upgrade covers ArcGIS Server, Web Adaptors, Portal, Data Store, and the enterprise geodatabase. The methodology includes pre-upgrade reviews, full system backups, and recovery procedure validation. The upgrade will be synchronized with the bridge implementation to prevent operational downtime, concluding with a verified federation of servers and user acceptance testing.</p>	<p>Propose introducing a service-oriented architecture using custom middleware to decouple the GIS environment from legacy dependencies. This middleware API will manage data transformation, conflict resolution, and real-time synchronization between the Lucity database and ArcGIS Enterprise via the ArcGIS REST API. Propose a six-phase methodology for the Enterprise upgrade, covering ArcGIS Server, Data Store, Portal, and the enterprise geodatabase in a controlled sequence. The process includes a pre-upgrade audit, full system backups, and service migration, followed by post-upgrade functionality testing, load/stress testing, and data integrity validation.</p>
<p>Did the firm provide a scope of work expansion proposal that goes beyond the minimum requirements?</p>	<p>Propose a suite of optional value-added services focused on long-term sustainability and risk reduction. Expanded scope includes development of formal procedures for promotion standards, service naming conventions, and role-based governance documentation. To prepare for future technology shifts, offer a vendor-neutral integration strategy for the new Asset Management System (AMS) and the implementation of a lightweight monitoring framework to track the health of ArcGIS Server, Portal, and Data Store. Propose optimizing the system's architecture through service consolidation and workflow migration, alongside comprehensive disaster recovery and business continuity planning. To demonstrate the platform's impact, suggest developing a dashboard to track measurable GIS value across departments, supported by a structured training framework tailored to administrators, IT staff, and power users.</p>	<p>Propose expanding the scope to include a formal readiness assessment focused on data completeness and attribute quality as a prerequisite for any future Utility Network transition. Also suggest the implementation of AI-assisted support tools designed to improve system oversight and predictive maintenance. Under a strict governance framework these tools would be used to detect data anomalies such as duplicate records, analyze historical inspection and work order data to identify high-maintenance infrastructure corridors, and monitor service usage patterns to identify performance degradation before it impacts end-users.</p>	<p>Propose a Year 1 risk and resilience assessment and the creation of a structured governance and administrative playbook to standardize upgrades and testing protocols. Plan to design a modular Lucity bridge architecture, specifically engineered to avoid hard-coded dependencies and facilitate a smoother transition to a future Asset Management System. Propose introducing lightweight automation for geodatabase maintenance and service health monitoring to reduce manual administrative overhead. Strategy includes a post-upgrade review to retire redundant services and a structured audit of user roles and recovery strategies to support IT governance. Will deliver a strategic advisory memorandum to guide long-term modernization, focusing on cloud readiness and legacy script retirement beyond the immediate contract term.</p>	<p>Scope expansion centers on the use of proprietary AI and analytics solutions, includes deploying these tools for predictive analytics, real-time pattern analysis, and system monitoring to identify issues before they escalate. Suggest developing public-facing portals and interactive dashboards to facilitate real-time data sharing between ArcGIS Enterprise and the public via ArcGIS Online. To future-proof the City's infrastructure, propose a cloud-ready architecture design tailored for potential transitions to AWS or Azure. Plan to implement automated error detection and recovery tools to minimize manual intervention in data synchronization between the GIS and third-party systems. Expansion is rounded out by advisory services aimed at ensuring the GIS framework remains flexible enough to integrate seamlessly with the City's future Asset Management System (AMS).</p>
<p>Did the firm describe their experience in the design, implementation, maintenance, and troubleshooting of ArcGIS Enterprise (Server, Portal, Data Store) and ArcGIS Online, detailing experience with full lifecycle administration, including multi-version migrations, managing the transition away from legacy runtime dependencies, and administering user types, roles, and privileges.</p>	<p>Approach emphasizes the establishment of clear administrative structures to manage user access, licensing, and content lifecycles. Experience in managing user types, roles, and privileges to align with departmental responsibilities, and they manage SAML and Active directory integration. Offer formal governance and change management services that define how content is created shared, and maintained. Specifically structured to support large-scale Portal and ArcGIS Online deployments.</p>	<p>Specialize in ArcGIS Enterprise architecture reviews and multi-version upgrades aligned with Esri's long-term support cycles. Technical approach centers on a dependency analysis to identify legacy runtime hooks before replacing ArcMap-dependent components with modern, service-based architectures. Provide proactive maintenance by monitoring service response times, database health, and user concurrency, while managing SQL Server geodatabases through versioning optimization and index tuning. Methodology includes periodic reviews of user types and role configurations to ensure privileges align with departmental needs, utilizing parallel environments and rigorous regression testing before promoting any changes to production.</p>	<p>Experience administering the full ArcGIS Enterprise suite, and focus on federating Portal with Active Directory and SAML authentication protocols, architecture reviews, system performance tuning, and the auditing of public-facing content to ensure security and stability. Specialize in replacing legacy asset management integrations with modern architectures leveraging Python and REST APIs. Migration strategy begins with a detailed review of existing workflows to identify specific ArcMap runtime hooks and data synchronization touchpoints, followed by a coordinated execution across development and production environments, utilizing pre-upgrade readiness reviews, routine backup strategies, and structured User Acceptance Testing (UAT).</p>	<p>Experience managing large-scale ArcGIS Enterprise environments, specifically focusing on the transition from legacy ArcMap runtimes to ArcGIS Pro. Utilize ArcGIS Monitor for proactive health tracking and service availability. A part of their approach is a three-level troubleshooting framework that scales from initial technical support to senior administrator escalation and project manager coordination for high-impact issues. Administration expertise includes implementing enterprise security configuration such as MFA and SSO, alongside the use of activity dashboards to track service usage. To ensure long-term success, provide training for City administrators on managing user types, roles, and organizational structures.</p>

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What is the firm's expertise in Enterprise SDE geodatabase administration, including understanding of SQL Server operations, permission models, and security capabilities within a complex GIS environment?	Frame SQL Server as the "critical system of record". Experience covers the full spectrum of SDE architecture, including traditional versioning, branch versioning, and complex replication. Focus on maintaining stability across environments by implementing disciplined change control to prevent schema conflicts and service disruptions. Technical methodology includes routine versioning optimization, compression, and maintenance planning, as well as indexing and performance tuning to maintain system responsiveness. Have experience in schema refactoring, domain normalization, and the development of structured backup, restore, and rollback procedures. For integrated environments, implement secure data exchange protocols and treats role-based permission configuration as a foundational, high-priority administrative task.	Offer services for the design, construction, and optimization of enterprise geodatabases, with a focus on the performance and scalability of the SQL Server environment. Approach centers on ongoing performance tuning and schema validation to ensure the database remains efficient and fully compatible with the ArcGIS Enterprise stack. Aim to build a robust database architecture capable of supporting high-volume asset management systems. Strategy focuses on maintaining geodatabase schema integrity to ensure the long-term reliability of the City's spatial data.	Demonstrates versatile expertise across both SQL Server and Oracle environments, emphasizing a performance-first approach to geodatabase administration. Core competencies include routine schema migrations, index tuning, and replication management, all tailored to support high-volume, real-time data environments. Use of FME and custom scripting to automate complex ETL processes, ensuring seamless data synchronization and flow between the GIS and other enterprise business systems. Security is integrated through role-based access controls—often leveraging Active Directory and SAML—and specific experience federating ArcGIS Enterprise components through DMZ and complex security protocols. To maintain data quality, incorporate anomaly detection and integrity checks as standard part of their operational workflow, utilizing SQL-level interactions to ensure system stability during deep integrations.	Specialized team of dedicated DBA resources, including experts with over 23 years of experience in SQL Server and Oracle environments. Technical approach focuses on high-level performance tuning—such as index optimization, query performance, and storage scaling—to ensure the geodatabase remains responsive as data volumes grow. Focus on high-availability and disaster recovery, including the use of SQL Server database mirroring and recovery strategies tailored to specific uptime objectives. Security model follows the principle of least privilege, integrating Multi-Factor Authentication (MFA) and Single Sign-On (SSO) while maintaining detailed audit logs and schema change trails to ensure accountability. Utilize SQL Server for automated ETL processes, ensuring that data integrity is maintained through rigorous QA/QC checks and continuous monitoring of hardware resources.
Does the firm have expertise using Python (for scripting, automation, and ETL) and Arcade Expression (for web application configuration)?	Experience with large-scale modernization, citing the successful refactoring of hundreds of legacy GIS scripts within municipal production environments. Experience includes migrating automation code from Python 2 to Python 3 and utilizing Python to build ETL processes, REST-based synchronization services, and scheduled routines to maintain data consistency with third-party systems. .	Experience in refactoring legacy scripts and developing automated routines to support GIS workflows. Technical approach utilizes Python-based automation to build ETL processes and synchronization services, ensuring consistent data flow between the GIS and external business systems.	Utilize ArcPy and the ArcGIS API for Python to automate repetitive tasks and develop ETL processes for integrating GIS with other enterprise business systems. Their technical workflow includes the use of Jupyter Notebooks alongside ArcPy to streamline geospatial data processing and analysis. They have experience using Arcade expressions to configure ArcGIS Online web applications and dashboards. They use Arcade to build custom functionality and interactive elements, ensuring a more dynamic and responsive user experience within their web-based geospatial solutions.	Utilize ArcGIS API for Python to automate repetitive data management tasks, geospatial analysis, and ETL processes. Technical approach uses Python to manage real-time data synchronization between the Lucity asset management system and the enterprise GIS, with a focus on conflict resolution and error logging. Use Arcade as a primary tool for configuring ArcGIS Online web applications and dashboards, and to handle application logic, ensuring that web-based tools remain dynamic and responsive to user needs.
Does the firm have experience with comparable government clients?	Stated they have focused exclusively on state and local municipalities for nearly 3 decades.	Stated they have experience with a variety of government and quasi-government entities and much of their government sector experience centers on integrating GIS with other systems.	Stated they have served over 100 government agencies with more than 40 active government IT contracts across 24 states.	Stated have delivered over 40 major enterprise GIS projects and maintain a client base that includes municipal and utility entities both in and out of the US.
Did the firm provide resumes and qualifications for all key personnel?	Provided	Provided, but not resumes	Provided	Provided
Did the firm provide references?	Provided	Provided	Provided	Incomplete
Attachment C - Cost Proposal	See cost tab.	See cost tab.	See cost tab.	See cost tab.
Attachment B - Contract Exceptions	None	None	None	None

GIS Consulting Services RFP-RH-26-004 Closes on Tuesday, February 12 at 3:00 p					
	<p style="text-align: center;">Sapot System Inc. 22960 Shaw Road, Suite 600 Sterling, VA 20166</p>	<p style="text-align: center;">Technology Digest, Inc. 11300 Rockville Pike, Suite 600 Rockville, MD 20852</p>	<p style="text-align: center;">Timmons Group, Inc. 7053 Celebration Park Ave., Ste. 300 Richmond, VA 23225</p>	<p style="text-align: center;">WKU Consultancy, LLC 586 Territorial Road Benton Harbor, MI 49022</p>	<p style="text-align: center;">Woolpert, Inc. 4454 Idea Center Blvd., Suite 100 Dayton, OH 45430</p>
Summary of qualifications and firm history narrative:	Over 20 years of experience in IT consulting, and specialize in mission-critical technology solutions and enterprise system modernization for federal, state, and local government clients. Expertise covers the full project lifecycle—from strategic planning and system assessment to migration and post-deployment support—within complex legacy environments. Have specific experience navigating government-mandated procurement frameworks, long-term data retention requirements, and maintaining continuity for public-facing services during system	An IT and management consulting firm that specializes in enterprise GIS modernization, system integration, and consulting services specifically for state/local governments and public utilities. Have a history of retiring ArcMap dependencies and integrating GIS with asset systems.	In business since 1989, provide GIS strategy, implementation, and asset management integration through a single coordinated team. An Esri partner since 1991, hold specialized designations in State and Local Government, Network Management, and Cloud Services. Technical focus includes managing complex integrations between GIS and municipal maintenance management systems.	Specialize in ArcGIS Enterprise administration, and focus on retiring legacy ArcMap dependencies in favor of Python-driven, service-based workflows. They employ a disciplined "Red and Gold" review methodology to ensure data integrity and operational continuity. Their project history includes managing large-scale infrastructure mapping and maintaining compliance for federal grants.	Founded in 1911, and been a global provider and Esri Business Partner since 1997. Hold specialty designations in Release Ready and ArcGIS Online. As a Platinum-level Trimble Implementation Partner with over 20 years of experience in GIS-centric asset management, they maintain a staff of over 50 Certified GIS Professionals (GISPs). Technical expertise includes SDE geodatabase versioning, SQL Server security, and Python scripting for ETL and automation workflows.
Scope of Work Narrative, including detailed plan of Year 1 Lucity Bridge Solution and Enterprise Upgrade:	Following project initiation and a readiness assessment, the Year 1 scope introduces a non-ArcMap bridge designed to support Lucity inspections, maintenance tracking, and asset updates. The solution utilizes a parallel environment to maintain synchronization controls while avoiding service interruptions to existing operations. The upgrade path covers all core ArcGIS Enterprise components and geodatabases, starting in a development environment to validate compatibility. The methodology includes post-upgrade system health and performance checks, as well as a period of parallel operation to ensure rapid issue resolution. Will implement a formal communication plan to inform staff of system changes and project timelines.	Begin with an evaluation of CentralSquare/Lucity APIs to determine whether a vendor-provided or hybrid middleware solution is most appropriate. Will design a system architecture focusing on non-invasive integration, followed by the installation of vendor add-ins or custom synchronization engines. This process includes end-to-end testing and parallel operations with existing workflows prior to a full cutover. The Enterprise upgrade runs concurrently with bridge development, emphasizing pre-upgrade compatibility checks and recovery planning. Following production deployment, will provide role-based training for administrators and end-users, establish a performance baseline, and conduct ongoing system monitoring.	Year 1 proposal offers two options for the Lucity bridge: Option 1 utilizes a transition add-in to move Lucity-dependent workflows directly into ArcGIS Pro using supported vendor tools; Option 2 implements a temporary GIS-based replacement using ArcGIS Portal, Experience Builder, and Instant Apps to maintain work order initiation and asset associations. The Enterprise upgrade strategy employs a migration-based approach using parallel environments to ensure uninterrupted operations. Both systems will run concurrently during a phased migration of data and services, with the legacy environment remaining active until all workflows are fully validated in the new system.	Year 1 begins with mapping existing Lucity workflows to replace ArcMap-bound functions with Python-driven, service-based processes compatible with ArcGIS Pro. This involves engineering new feature services and ETL automation, followed by rigorous testing and formal User Acceptance Testing (UAT). Once the bridge is deployed, will execute a full upgrade to a modern long-term support release, encompassing ArcGIS Server, Portal, Data Store, and both development and production geodatabases. The methodology includes resolving geodatabase versioning conflicts, transitioning to a streamlined service-based architecture, and implementing HTTPS-only secure communications. A methodical testing regimen and pre-deployment validation will be used to ensure availability during the coordinated production cutover.	Offer three technical paths for the Lucity bridge—Python-based synchronization, FME Workbench ETL, or REST-based web services—with the final selection determined during discovery. The solution emphasizes first-class exception handling to manage data conflicts and missing values, supported by a formal integration requirements specification and structured user acceptance testing. Due to infrastructure constraints, will utilize a staging environment for configuration and testing rather than a full parallel deployment. This environment will be optimized for future-state priorities, including branch versioning and improved database access. The final production transition is scheduled as a tightly managed event, typically over a weekend, to minimize operational downtime.
Did the firm provide a scope of work expansion proposal that goes beyond the minimum requirements?	Propose a data-driven assessment to identify architectural inefficiencies, performance constraints, and technical debt. A key component of their expansion is the rationalization of map services and feature layers to improve system speed and reduce reliance on unsupported or custom tools. They also plan to evaluate manually intensive workflows and legacy scripts, replacing them with modern Python automation, web services, or standard Esri functionality. To support long-term growth, they suggest applying geodatabase optimization and ArcGIS Online governance best practices, alongside the development of new applications using modern frameworks like Experience Builder and Dashboards.	Expanded scope includes identifying and refactoring all remaining ArcMap-dependent scripts into the ArcGIS Pro SDK or service-based alternatives. To ensure post-migration stability, they propose a baseline assessment to evaluate service capacity and identify further optimizations. Also include vendor-neutral integration planning to document current GIS asset schemas, alongside the formalization of data naming conventions, role-based access controls, and change control practices. Additionally, they propose advanced technical workshops for staff and optional readiness assessments specifically for transitioning to Esri's Utility Network.	Propose a scalable evaluation of the City's business drivers, application architecture, and security models, culminating in a Prioritized Roadmap Implementation Plan. This roadmap includes detailed project timelines and budgets designed to guide the City's GIS evolution over the next several years. To improve operational efficiency, suggest leveraging Python and Esri APIs to automate routine administrative tasks. Approach focuses on establishing a formal coordination of people, processes, and technology, with the ultimate goal of managing the City's data as a trusted and governed enterprise asset.	Focus on cross-system interoperability, specifically by configuring dynamic REST API links between the City and Oakland County to allow users to access County records directly via City map interfaces. Suggest georeferencing and indexing historical documents—such as site plans and variances—directly to parcel data. Offer a Historical Data Reconstruction service, digitizing legacy maps and subdivision plats into a temporal dataset to track parcel lineage and infrastructure evolution over time. Propose building department-centric applications and public dashboards to visualize road work and hydrant status, aimed at increasing transparency and reducing FOIA requests. Technical methodology includes a systematic review to replace all obsolete models and toolboxes with Python-driven, Pro-native workflows, alongside automated monitoring for geodatabase index health and	Offer to help the City's selection of a new EAMS by developing a comprehensive framework of 250–400 functional and technical requirements and providing a market scan of leading systems. To support this transition, propose a Master Data Management initiative focused on data hygiene and a migration to Esri's branch versioning model, which enhances multi-editor workflows and web performance. Propose building a permanent, service-based integration pattern for the new EAMS and integrating the GIS with permitting and land management systems to automate parcel and ownership data updates. Public-facing enhancements include developing ArcGIS Dashboards to track KPIs—such as water main breaks and snow route progress—and utilizing ArcGIS Hub to create transparency portals for Capital Improvement Plans (CIP) and neighborhood zoning.
Did the firm describe their experience in the design, implementation, maintenance, and troubleshooting of ArcGIS Enterprise (Server, Portal, Data Store) and ArcGIS Online, detailing experience with full lifecycle administration, including multi-version migrations, managing the transition away from legacy runtime dependencies, and administering user types, roles, and privileges.	Experience across the full ArcGIS Enterprise stack and ArcGIS Online, with a specific focus on managing deployments across development, test, and production environments. Expertise includes system configuration, performance tuning, and service publishing within both on-premises and cloud environments (AWS and Azure). Prioritize system hardening and role-based access control to ensure secure identity management and alignment with enterprise governance. Migration methodology involves multi-version upgrades and the refactoring of services to maintain custom integration functionality while successfully transitioning away from legacy runtime dependencies.	Have managed multiple ArcGIS Enterprise upgrades and implementations for municipal and utility clients, with experience across SQL Server, Oracle, and Azure SQL environments. Technical expertise includes integrating Portal and ArcGIS Online with Active Directory, SAML, and LDAP, as well as deploying systems across AWS, Azure, and on-premises configurations. Specialize in refactoring legacy tools using the ArcGIS Pro SDK and Arcade attribute rules to replace ArcMap-dependent processes. Upgrade strategy focuses on migrating to service-based feature services and includes a value-added service to identify and refactor all remaining legacy scripts to ensure long-term system health and performance.	Design, implement, and support the full Esri Enterprise stack for municipal and utility clients, holding specific certifications in ArcGIS Desktop and Enterprise System Design. Expertise includes security modeling, Distributed Collaboration between Portal and ArcGIS Online, and the management of Active Directory identity integrations. Recommend a migration-based upgrade using parallel environments to ensure zero downtime and full system validation. Possess the technical capacity to refactor custom ArcMap Add-ins into modern ArcGIS Pro Add-ins using C#.NET, ensuring that mission-critical, custom-built tools continue to function in the new architecture.	Experienced consultants specializing in the administration of ArcGIS Online and Portal for ArcGIS, with specific expertise in security governance, user management, and backup strategy development. Technical experience includes full-stack Enterprise upgrades, performance tuning, and the remediation of system bottlenecks through detailed architecture reviews. Focus on replacing legacy ArcMap-bound functions with native ArcGIS Pro solutions and provide staff training to support the modernized environment. Upgrade methodology follows a staged rollout strategy that incorporates environment auditing, schema evaluations, and version reconciliation to ensure a stable transition to long-term support releases.	Over 13 years of experience in the architecture, design, and optimization of ArcGIS Enterprise and Portal. Hold an official Esri ArcGIS Online Specialty and are proficient in managing user types, roles, federations, and security models across both cloud and on-premises environments. Expertise includes performing complex, multi-version migrations with a focus on retiring legacy dependencies and updating map and feature services to function within modern, service-based architectures. Have successfully managed the transition from ArcMap to ArcGIS Pro for numerous clients, and they provide ongoing administration and content governance to ensure long-term system stability.

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What is the firm's expertise in Enterprise SDE geodatabase administration, including understanding of SQL Server operations, permission models, and security capabilities within a complex GIS environment?	Versatile team capable of managing the full geodatabase lifecycle across SQL Server, Oracle, and PostgreSQL/PostGIS. Expertise covers the technical spectrum from initial schema management and legacy data mapping to modern standards, through to ongoing administration such as query optimization and performance monitoring. Focus on the stability of high-demand applications by managing service accounts, connection strings, and audit logging. To ensure security does not compromise performance, specialize in troubleshooting database connections and managing granular user permissions. This multi-platform experience positions them to handle complex migrations and maintain data integrity within diverse architectural environments.	Staff Senior GIS Architect holding the Esri Enterprise Geodata Management Associate certification and team members with Oracle Database Administrator credentials. Experience spans diverse environments, including SQL Server, PostGIS, and Azure SQL, with a specific focus on complex data structures like linear referencing, topology, and Utility Network modeling. Experience using linked servers and custom queries to retrieve maintenance data, as well as commitment to early environment assessments to remediate database gaps before upgrades begin. Security methodology is robust, integrating role-based access with Active Directory, SAML, and LDAP to provide secure authentication. To ensure long-term data reliability, propose automated QA/QC scripts and reconciliation workflows designed specifically to keep the synchronization between the GIS and Lucity secure and consistent while preserving critical asset IDs and relationships.	Background in administering SQL Server-based GIS environments across both on-premises virtualized infrastructure and cloud-hosted platforms like AWS. Expertise covers the full database lifecycle, with a heavy emphasis on preventing performance degradation through routine compression, index rebuilding, and statistics maintenance. Focus on complex data modeling, including linear referencing, topology, and complex relational models designed to support high-demand municipal and utility workflows. Utilize a versatile toolset—combining SQL, Python, and FME—to automate data migration, validation, and reporting tasks. Security approach centers on the integration of Active Directory with SQL Server to manage user roles and privileges, ensuring that versioned workflows and multi-user environments maintain a strictly authoritative record of all edits.	Emphasize the refinement of replication logic and the enforcement of data integrity rules to ensure the system remains reliable under heavy use. Approach includes a detailed evaluation of existing SQL Server configurations, specifically focusing on the permissions structure and overall security model as a prerequisite for the upgrade. Technical methodology involves dedicated phases for schema evaluation, data integrity validation, and system optimization—specifically targeting index optimization and the execution of schema updates. By refining replication strategies and enforcing strict data integrity, they aim to provide a high-performing database environment that supports stable, real-time GIS services.	Expertise in SDE geodatabase versioning, replication, and topology. Emphasize a proven track record in data refactoring and migrating legacy datasets into modern ArcGIS frameworks, including the specific technical preparation required for a transition to Esri's Utility Network model. SQL Server proficiency encompasses the full administrative lifecycle—from security models and permission structures to backups and automated maintenance plans. Key focus of their approach is the optimization of geospatial indexing and the seamless integration of SQL Server with ArcGIS Enterprise workflows. This technical foundation is designed to ensure that the City's complex enterprise datasets remain performant and stable as the system evolves.
Does the firm have expertise using Python (for scripting, automation, and ETL) and Arcade Expression (for web application configuration)?	Use Python and its libraries to manage backend data tasks and system integrations. Technical strategy involves using Python and ArcPy to develop spatial ETL processes and automate data validation, and ArcGIS REST API to support multi-system integrations and complex spatial analysis workflows. Evaluate legacy scripts and replace them with updated Python automation to ensure long-term stability. Use Arcade to enhance the functionality and visual logic of the City's web-based GIS environment, including supporting advanced visualization, labeling, and attribute logic within maps and applications, as well as ensuring consistent logic and behavior across desktop, web, and mobile GIS platforms.	Use ArcPy and the ArcGIS API for Python to develop spatial ETL processes and automate data validation. Strategy for modernization involves transitioning utility clients from legacy ArcMap-based tools to ArcGIS Pro and Arcade attribute rules, ensuring data integrity at the database level. Use Arcade to support advanced visualization and complex attribute logic within ArcGIS Online and Portal web applications.	Use Python and Esri-supported APIs to automate routine geodatabase maintenance and develop ETL processes for nightly data synchronization across environments. Technical approach uses Arcade expressions as a tool for supporting configurable GIS workflows, advanced visualization, and the implementation of attribute rules and geometry validations. Use Arcade for transitioning clients to modern Esri frameworks, specifically ArcGIS Experience Builder and ArcGIS Instant Apps, ensuring that application logic is both robust and compatible with current web-based standards.	Specialize in Python-driven automation and Arcade to modernize data processing and web-based workflows. Proposed plan focuses on replacing legacy, ArcMap-dependent functions with modern, service-based processes. Will develop Python scripts for ETL to manage data synchronization between the GIS and Lucity environments. Use Arcade expressions to support configurable workflows within both Portal for ArcGIS and ArcGIS Online, ensuring the City's web GIS environment is dynamic and easily maintainable.	Have strong development capabilities in Python for managing multi-version geodatabase migrations and automating the extraction and loading of data. Proposal includes building a comprehensive library of Python scripts to automate routine tasks for long-term efficiency. Use Arcade within ArcGIS Online and Portal to configure pop-ups, labels, and symbology, and they plan to use Arcade to drive complex logic within ArcGIS Dashboards, specifically tailored to tracking departmental Key Performance Indicators which ensures that executive-level reporting remains dynamic and data-driven.
Does the firm have experience with comparable government clients?	Stated have extensive experience working with comparable government clients, particularly at the municipal and county levels as well as large-scale public utilities and are experienced in projects that adhere to federal, state, and local procurement codes and agency-specific policies.	Stated have supported comparable government clients in GIS modernization, asset management integration, and municipal utility support and they understand the unique constraints of government environments including regulatory and security compliance, continuity of operations, and inter-departmental coordination.	Stated they have over 30 years of experience delivering enterprise GIS solutions to local, state, and federal government clients, and have completed hundred of geospatial projects for the public sector with a specific focus on supporting the operational needs of municipalities.	Experience mainly surrounding infrastructure and Data management, and mostly located outside of the mainland US in Puerto Rico. Have also executed modernization initiatives for federal programs.	Have experience with comparable government and public-sector clients and portfolio includes large-scale municipal frameworks, utility districts, and complex transportation authorities.
Did the firm provide resumes and qualifications for all key personnel?	Provided	Provided	Provided	Provided	Provided
Did the firm provide references?	Provided	Provided	Provided	Provided	Provided
Attachment C - Cost Proposal	See cost tab.	See cost tab.	See cost tab.	See cost tab.	See cost tab.
Attachment B - Contract Exceptions	None	None	None	None	Exceptions Noted

RFP-RH-26-004 GIS Consulting Services
 Closed Thursday February 12, 2026 3:00 p.m.

Year 1 Extended Costs - Overview

Task	Cities Digital (CDI)	Cultivate Geospatial	CodeRunner <i>Onshore Opt</i>	CodeRunner <i>On/Offshore opt</i>	Concourse Tech	Consultadd Public Services	Cynerge	EBA Engineering	Epoch Solutions Group	Geographic Comm Systems
Lucity Bridge Solution Design	\$ 26,400.00	\$ 17,400.00	\$ 60,600.00	\$ 12,800.00	\$ 9,000.00	\$ 15,300.00	\$ 7,794.80	\$ 5,760.00	\$ 32,559.60	\$ 11,900.00
Lucity Bridge Solution Development and Testing	\$ 13,200.00	\$ 52,200.00	\$ 128,000.00	\$ 56,500.00	\$ 14,400.00	\$ 23,060.00	\$ 26,878.40	\$ 12,400.00	\$ 58,599.20	\$ 29,700.00
Documentation and Training	\$ 7,200.00	\$ 5,625.00	\$ 28,750.00	\$ 12,800.00	\$ 4,560.00	\$ 4,220.00	\$ 4,919.60	\$ 10,400.00	\$ 21,760.00	\$ 7,750.00
Enterprise Upgrade Planning and Design	\$ 4,400.00	\$ 11,500.00	\$ 27,600.00	\$ 12,800.00	\$ 6,000.00	\$ 12,795.00	\$ 3,117.92	\$ 3,900.00	\$ 32,240.40	\$ 15,300.00
ArcGIS Server/Portal/Datastore Upgrade Execution	\$ 13,200.00	\$ 17,250.00	\$ 54,200.00	\$ 22,400.00	\$ 12,000.00	\$ 13,000.00	\$ 4,676.88	\$ 6,760.00	\$ 42,720.00	\$ 21,450.00
GeodatabaseSchema Migration/Validation	\$ 3,600.00	\$ 11,500.00	\$ 27,600.00	\$ 12,800.00	\$ 7,200.00	\$ 6,585.00	\$ 6,235.84	\$ 1,820.00	\$ 21,440.00	\$ 14,850.00
Project Management/Quality Assurance	\$ 4,400.00	\$ 20,700.00	\$ 27,600.00	\$ 12,800.00	\$ 12,000.00	\$ 7,050.00	\$ 5,175.04	\$ 9,360.00	\$ 25,020.00	\$ 11,200.00
Total of "Other Tasks" added in Proposal					\$ 6,840.00	\$ 4,670.00		\$ 1,040.00		\$ 7,650.00
Extended Cost	\$ 72,400.00	\$ 136,175.00	\$ 354,350.00	\$ 142,900.00	\$ 72,000.00	\$ 86,680.00	\$ 58,798.48	\$ 51,440.00	\$ 234,339.20	\$ 119,800.00

Year 1 Extended Costs - Overview

Task	Geographic Tech Group	Geoscope	Information Resource Grp	iSpatial techno Solutions	Sapot Systems, Inc.	Technology Digest	Timmons Grp Geospatial Sol	WKU Consultancy	Woolpert, Inc.
Lucity Bridge Solution Design	\$ 11,250.00		\$ 18,360.00	\$ 4,500.00	\$ 10,160.00	\$ 37,000.00	\$ 20,625.00	\$ 43,320.00	\$ 19,152.25
Lucity Bridge Solution Development and Testing	\$ 35,250.00		\$ 55,080.00	\$ 2,000.00	\$ 19,200.00	\$ 55,800.00	\$ 30,420.00	\$ 171,960.00	\$ 32,305.00
Documentation and Training	\$ 8,775.00		\$ 12,240.00	\$ 1,200.00	\$ 5,700.00	\$ 18,500.00	\$ 8,640.00	\$ 30,540.00	\$ 19,845.00
Enterprise Upgrade Planning and Design	\$ 9,425.00		\$ 26,400.00	\$ 9,600.00	\$ 12,700.00	\$ 11,100.00	\$ 6,600.00	\$ 43,400.00	\$ 14,994.00
ArcGIS Server/Portal/Datastore Upgrade Execution	\$ 27,000.00		\$ 39,600.00	\$ 9,600.00	\$ 14,420.00	\$ 25,900.00	\$ 14,400.00	\$ 143,300.00	\$ 12,022.40
GeodatabaseSchema Migration/Validation	\$ 21,000.00		\$ 26,400.00	\$ 7,000.00	\$ 10,300.00	\$ 21,700.00	\$ 15,120.00	\$ 85,980.00	\$ 11,315.20
Project Management/Quality Assurance	\$ 16,675.00		\$ 8,800.00	\$ 14,400.00	\$ 14,400.00	\$ 14,850.00	\$ 11,280.00	\$ 60,580.00	\$ 47,454.50
Total of "Other Tasks" added in Proposal	\$ 5,250.00					\$ 16,650.00			\$ 69,799.40
Extended Cost	\$ 134,625.00	\$ 583,230.86	\$ 186,880.00	\$ 48,300.00	\$ 86,880.00	\$ 201,500.00	\$ 107,085.00	\$ 579,080.00	\$ 226,887.75

*Travel expenses not incl.

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