



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 2

List View

General Information

Contact

Default Values

Discount

Document Information

Clarification Request

Procurement Folder: 1381091

Procurement Type: Central Master Agreement

Vendor ID: VS0000040361 

Legal Name: Advanced Analytical Systems, Inc.

Alias/DBA:

Total Bid: \$7,720,000.00

Response Date: 04/02/2024 

Response Time: 6:36

Responded By User ID: AASystems 

First Name: Priyanka

Last Name: Arora

Email: info@advancedanalytics

Phone: 7033482871

SO Doc Code: CRFQ

SO Dept: 0802

SO Doc ID: DMV2400000003

Published Date: 3/26/24

Close Date: 4/2/24

Close Time: 13:30

Status: Closed

Solicitation Description: Mainframe Application Programmer Technical Staffing Services

Total of Header Attachments: 2

Total of All Attachments: 2

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Mainframe Application Programmer Technical Staffing Services	0.00000			7720000.00

Comm Code	Manufacturer	Specification	Model #
81111600			

Commodity Line Comments:

Extended Description:

See Exhibit "A"

Mainframe Application Programmer Technical Staffing Services. This will be an open-end services contract that will provide the services of mainframe application programmer analysts on an hourly rate basis to provide technical expertise to meet agency needs. These services will be utilized to develop modifications and enhancements to the mainframe computer systems currently utilized by the DMV.



RFQ Title: Mainframe Application Programmer Technical Staffing Services

Solicitation Number: CRFQ 0802 DMV2400000003

Response submitted to: David H Pauline

West Virginia Office of Technology (WVOT)

2019 Washington Street East

Charleston, WV 25305-0130

Phone: 304-558-0067

Email: david.h.pauline@wv.gov

Proposal Submitted by: Priyanka Arora, President

Advanced Analytical Systems, Inc.

24035 Suite A, Whitten Farm CT, Aldie, Virginia - 20105-2767

Phone: 703-348-2871 | Email: info@advancedanalyticalsystems.com

<http://www.advancedanalyticalsystems.com>

Proposal due Date & Time: 1:30 PM on Apr 02, 2024





Advanced Analytical Systems, Inc.

Cover Letter

Dated: Apr 02, 2024

Kind Attn: David H Pauline
West Virginia Office of Technology (WVOT)

Advanced Analytical Systems, Inc. expresses gratitude for the chance to address Solicitation Number CRFQ 0802 DMV2400000003 regarding Mainframe Application Programming Technical Staffing Services with the West Virginia Office of Technology. We trust that our response effectively showcases our expertise and track record in meeting your needs.

Advanced Analytical Systems, Inc. is a reputable IT solutions firm with a proven track record of delivering high-quality solutions to key clients nationwide. We excel as a workforce solutions provider, offering an extensive infrastructure for staffing and employment outsourcing.

After carefully reviewing the requirements outlined in the Mainframe Application Programming Technical Staffing Services contract, we have prepared a proposal that reflects our understanding of the consulting and technical service needs of the West Virginia Office of Technology. Leveraging our experience, we offer the best solution and resources at a competitive price.

If you have any questions, please don't hesitate to contact me.

Sincerely

Priyanka Arora
President
Advanced Analytical Systems, Inc.
Phone: 703-348-2871

Table of Contents

1. Purpose & Scope..... 1
2. Qualifications 2
3. Mandatory Requirements 11
4. Miscellaneous 11
5. Proof of Insurance 12
6. Required Forms 13
 Designated Contact and Certification & Signature Form..... 13
7. Acknowledgement to Addendum 14

1. Purpose & Scope

Advanced Analytical Systems, Inc. (AASI) appreciates the detailed requirements provided by the West Virginia Purchasing Division and the WV Division of Motor Vehicles (DMV). This solicitation highlights the need for technical mainframe application programmer staffing services to enhance and modify DMV's mainframe systems. AASI dedicates itself to providing the expertise and assistance required to fulfill these objectives. With over 11 years of industry experience, AASI is well-equipped to handle the complexities associated with mainframe application programming. Our proven track record in providing technical staffing solutions demonstrates our ability to meet the requirements outlined in the solicitation. From designing and maintaining COBOL/CICS/DB2 environments to programming with JCL in mainframe settings, our team has the skills and experience to navigate the intricacies of mainframe systems effectively. We are committed to excellence and client satisfaction, approaching each project with a focus on understanding our client's needs and challenges. Through comprehensive analysis and strategic planning, we develop tailored solutions that align with the specific objectives of the DMV. Our collaborative approach ensures ongoing communication and engagement, fostering a partnership built on trust and transparency.

At the core of our success lies our team of experienced professionals who bring extensive knowledge and expertise to each project. With a deep understanding of IBM Mainframe technologies and a proven track record of delivering results, our team is well-equipped to meet the DMV's technical staffing needs. Our familiarity with enterprise mainframe database analysis and design, coupled with experience in regulated environments, further strengthens our ability to fulfill the solicitation requirements. We prioritize innovation and continuous improvement, ensuring we remain at the forefront of industry best practices. By staying updated on emerging trends and technologies, we offer innovative solutions that enhance efficiency and productivity. Our commitment to excellence extends beyond project completion as we aim to build lasting-term partnerships based on mutual respect and shared success.

2. Qualifications

About Us: Advanced Analytical Systems, Inc. (AASI), established in 2013 in Virginia, is an Information Technology Consulting and Staff Augmentation Services firm. We specialize in aligning strategies, people, processes, and technology to enhance performance across all operational levels. Our Performance Delivery Solutions empower clients throughout the organizational lifecycle, driving business outcomes and operational effectiveness. As a unique technical staffing agency, we cater to diverse needs, offering short-term, seasonal, or temporary staffing, contract-to-hire talent, and permanent talent acquisition services. With a comprehensive range of IT consulting services, including onsite, offsite, and offshore options, we ensure seamless support for our clients' requirements. AASI is renowned in the industry for its temporary staffing solutions, covering various IT staffing needs such as augmentation, consulting, technology staffing, technical solutions, and contract staffing.



AASI is a leading provider of Technology and Workforce Solutions, serving clients nationwide for over 11 years. Our success stems from our client-centric philosophy, characterized by honesty and flexibility. We offer innovative solutions and quality temporary labor across diverse industries. Our thriving culture, fostered by creative, integrity-driven employees, ensures exceptional service delivery. We attribute our national recognition for growth and achievement to this client-centric approach.

AASI specializes in delivering high-tech solutions to clients, with a strategic focus on rapid customer accommodation. We take pride in our ability to offer top-quality talent, attracting and retaining skilled professionals nationwide. As a full-service staffing firm, we provide resources across various areas, including IT support, Database Administration, Application development, Infrastructure support, Admin/Clerical, Call Center, Engineering, Human Resources, Finance/Accounting, Managerial, Telecom/Wireless, and several others. Our dedicated internal teams ensure the successful fulfillment of client needs in each category.

OUR MISSION - To make the best possible match between people and companies, building lasting relationships on our foundational belief that people are what move companies forward.

We offer expertise in Business & Mission Support, Technology Optimization, and Learning & Performance Management. Our services extend to commercial agencies supporting government entities. We assist clients in addressing challenges stemming from legislative changes, constituent demands, technological advancements, and economic trends. We are familiar with current issues, landscapes, and trade-offs and have a wealth of experience finding creative and customized solutions.

AASI's recruitment process swiftly fills positions with highly qualified professionals who seamlessly integrate into our organization and align with State of West Virginia project teams. As a dynamic and rapidly expanding organization, we prioritize acquiring top-tier talent to meet our clients' business needs. We maintain partnerships with various staffing organizations and IT consulting firms to enhance our recruitment efforts as necessary. Whenever possible, AASI utilizes local subcontractors to supplement our recruiting pool. These alliances make it possible for us to have extensive reach-back and enable us to fulfill requests for specialized competencies as needed.

AASI values transparent communication between our team and client. Each project is assigned an Accounts Manager to oversee client service delivery and address daily communication needs. Our project

managers are empowered to make informed decisions while ensuring clients and AASI management are kept informed.

IT consulting and technical Challenges

In a competitive market, companies vie for top candidates, balancing budgets with salary and benefits. A staffing partner with market expertise can enhance your competitive edge and tailor offers to attract suitable candidates.

In today's fast-paced business environment, companies often need to scale technical talent to meet evolving needs quickly. Hiring full-time employees for short-term projects may not be cost-effective. AASI offers flexible staffing solutions, including full-time, contract-to-hire, temporary, and consultant roles. With a team of experienced IT recruiters, we ensure quality by thoroughly screening candidates to match your specific needs. Leveraging our extensive network and referral-based sourcing strategy, we aim to find the best fit for your requirements. Our focus is on driving relationships, ensuring performance, and fostering retention.

Key Differentiators

At AASI, we excel in recruiting exceptional talent to enhance your company's success. Our dedication to tailored service and delivering top-quality candidates sets us apart. With deep insights into the staffing landscape, we swiftly adapt to meet our clients' evolving needs. Our commitment to excellence fosters enduring partnerships. Here are a few key differentiators which ensure optimal service delivery to our clients:s:



- **Unique Talent Acquisition:** At AASI, our staffing model enables us to recruit exceptional talent without the constraints faced by other firms. We leverage this advantage to identify prime candidates overlooked by traditional staffing agencies due to operational limitations. Our approach ensures we find the best talent for a diverse range of clients, both in the public and private sectors.
- **AI-Driven Recruitment:** Utilizing machine learning, our proprietary tool enhances the recruitment process by identifying successful sourcing patterns and extracting potential candidates from extensive online profiles. This technology streamlines repetitive tasks, such as candidate screening, and identifies biased language in job descriptions through sentiment analysis.
- **Integrity and Transparency:** We prioritize honesty and transparency in all our interactions. Our commitment to delivering on promises, playing to our strengths, and maintaining ethical standards fosters trust and mutual respect with both clients and candidates. Confidentiality is paramount, ensuring a secure environment for all parties involved.
- **Diversity and Inclusion:** AASI values diverse perspectives and experiences, recognizing their importance in fostering innovation and driving business success. Through our inclusive approach, we help clients build teams that reflect their organizational needs and embrace diversity. Our extensive candidate pool ensures access to a diverse range of talent, allowing us to identify top leaders from various backgrounds and sectors.
- **Financial Stability:** AASI has maintained financial stability and transparency since its inception, which is evident through consistent performance and resilience. Our commitment to quality financial practices and adherence to high accounting standards ensure accuracy and reliability in our financial statements. There are no financial conditions that may hinder our ability to fulfill project requirements, such as bankruptcy, pending litigation, office closures, or impending mergers.
- **Owner Involvement:** At AASI, owners are actively engaged in every account, ensuring a hands-on approach to exceeding client expectations consistently
- **Sustainable Solutions:** Our primary goal is to deliver enduring solutions that meet your business objectives over the long term.
- **Quick Job Placement:** Using advanced technology and 24/7 service, we swiftly match ideal candidates with suitable positions, enabling rapid scalability for your operations.

Our Capabilities

At AASI, we take pride in our extensive capabilities, honed over more than a decade of serving clients across diverse industries. Our commitment to excellence and innovation has enabled us to develop a robust suite of capabilities that empower us to tackle complex challenges and deliver outstanding results. From cutting-edge technology solutions to expert consultancy services, our comprehensive range of capabilities positions us as a trusted partner for organizations seeking transformative outcomes. With a multidisciplinary team of seasoned professionals, state-of-the-art infrastructure, and a proven track record of success, we stand ready to address the unique needs and objectives of each client with precision and proficiency. At AASI, our capabilities are not just a testament to our expertise; they are a testament to our unwavering dedication to driving tangible value and fostering long-term partnerships built on trust, integrity, and excellence. We boast a wealth of technical expertise across a broad spectrum of domains. From software development to database management, system integration, and beyond, our team comprises skilled professionals proficient in diverse technical areas. Whether it's Java, Python, .NET, or legacy systems like COBOL and IBM Mainframe, we have the knowledge and experience to handle any technical challenge with finesse.

Our forte lies in crafting bespoke software solutions tailored to meet the unique needs of our clients. Leveraging the latest technologies and development methodologies, we design, develop, and deploy scalable, user-friendly software applications that drive efficiency, productivity, and innovation. With expertise in database technologies such as SQL Server, Oracle, and MySQL, we excel in managing and optimizing database environments for optimal performance, reliability, and security. We ensure effective management of your data assets to support your business objectives, covering database design and implementation, performance tuning, and data migration. At AASI, we specialize in integrating disparate systems and applications to streamline business processes, enhance collaboration, and facilitate data flow across your organization. As a leading provider of cloud computing services, we help organizations harness the power of the cloud to drive innovation and accelerate digital transformation. Whether it's migrating existing applications to the cloud, developing cloud-native solutions, or implementing hybrid cloud environments, we offer comprehensive cloud services to meet your evolving business needs.

Beyond technical solutions, we offer consultancy services to help organizations navigate complex IT challenges and make informed decisions. From IT strategy and architecture to project management and risk assessment, our experienced consultants provide valuable insights and guidance to support your business objectives. With cybersecurity threats on the rise, ensuring the security and compliance of your IT infrastructure is paramount. We offer robust security solutions and compliance services, including penetration testing, vulnerability assessments, security policy development, and compliance audits, to protect your sensitive data and meet regulatory requirements. Our commitment to client satisfaction goes beyond project delivery as we offer comprehensive support and maintenance services to ensure the ongoing performance, stability, and security of your IT systems. Whether it's troubleshooting technical issues, applying software updates, or providing user training and documentation, our dedicated support team is always available to assist you.

We offer a comprehensive range of services tailored to meet the diverse needs of our clients in mainframe application programming. Our extensive expertise and commitment to excellence enable us to deliver top-notch solutions that drive business growth and innovation. From application development and maintenance support to dedicated testing services, DevOps solutions, mainframe technical operations, and modernization services, we offer a holistic approach to meet the evolving demands of modern businesses. Our goal is to empower organizations with robust, scalable, and secure mainframe applications that optimize performance, enhance productivity, and drive success in today's competitive landscape. With a focus on quality, reliability, and customer satisfaction, we strive to be your trusted partner in achieving strategic objectives and exceeding expectations set by the DMV.

- 1. Application Development:** We specialize in offering comprehensive application development services tailored to the IBM Z® and IBM i operating systems. Our approach begins with thorough due diligence and solutions, where we carefully analyze your requirements and devise customized solutions to address them effectively. We follow a robust transition framework to ensure a seamless transition from development to deployment, guaranteeing minimal disruptions and maximum efficiency. Our end-to-end development process encompasses everything from initial discovery and design to coding, testing, and deployment, ensuring a holistic approach to solution development. By utilizing advanced tools and

automation such as integrated development environments (IDEs) and automated testing tools, we streamline the development lifecycle, resulting in high-quality, scalable applications that precisely align with your business objectives.

2. **Maintenance Support:** We design our maintenance support services to ensure the continued stability, reliability, and performance of your applications. We offer a comprehensive range of support services tailored to meet your specific needs, including:
 - ✓ Production Support: Our team ensures the smooth operation of your production systems 24/7, minimizing downtime and maximizing uptime for critical business operations.
 - ✓ Application Support: We provide dedicated assistance to users for application-related queries, enhancing user satisfaction and productivity.
 - ✓ Maintenance: We offer regular updates, patches, and enhancements to keep your applications secure, efficient, and aligned with evolving business needs.
 - ✓ Onshore and Offshore Operation Model: Our flexible engagement models, including onshore and offshore support options, deliver cost-effective maintenance services. Our teams collaborate closely to ensure seamless communication and high-quality service delivery, maximizing value for your investment
3. **Dedicated Testing Services:** Recognizing the crucial role of testing in ensuring the quality, reliability, and security of mainframe applications, we provide a comprehensive suite of tailored testing services:
 - ✓ Specialized Mainframe Test Expertise: Our team comprises skilled professionals with specialized knowledge in mainframe testing, equipped with extensive experience in niche skills essential for practical mainframe application testing.
 - ✓ Optimized Automation Test Tools: We utilize state-of-the-art automation test tools tailored for mainframe environments to streamline testing processes, enhance efficiency, and ensure thorough test coverage.
 - ✓ Automated Legacy Online Testing: Employing advanced automation techniques, we conduct legacy online testing to seamlessly integrate and ensure compatibility of your mainframe applications with legacy systems and environments.
 - ✓ Mainframe Test Data Management: Our test data management services involve the meticulous generation, manipulation, and maintenance of test data sets, ensuring accurate reflection of real-world scenarios and conditions in testing environments.
 - ✓ Security Data Testing: We employ sophisticated security testing methodologies, including built-in masking features, to evaluate the resilience of your mainframe applications against security threats and vulnerabilities.
 - ✓ Performance Testing: Our performance testing services aim to optimize the performance of your mainframe applications by identifying bottlenecks, optimizing resource utilization, and providing actionable recommendations for enhancing application performance and scalability.
 - ✓ Migration Testing Services: For organizations undergoing mainframe migration initiatives, we offer comprehensive migration testing services. Leveraging a suite of tools, processes, and expertise, our migration testing ensures a smooth transition to new environments while minimizing risks and ensuring business continuity.
4. **DevOps Services:** In today's fast-paced and dynamic business environment, the adoption of DevOps practices is essential for organizations looking to accelerate innovation, improve collaboration, and enhance the quality and reliability of their software delivery processes. We offer comprehensive DevOps services designed to enable organizations to implement DevOps practices seamlessly across IBM Z® and IBM I operating systems. Our DevOps services include:
 - ✓ Comprehensive Automation of SDLC:- IDE: We provide end-to-end automation of the software development lifecycle (SDLC) process, seamlessly integrating development, testing, deployment, and operations activities within a unified development environment (IDE). Our automated SDLC process streamlines workflows, enhances collaboration, and accelerates time-to-market for software releases.
 - ✓ Cross-Platform Integration: Our DevOps services encompass cross-platform integration, enabling seamless collaboration and integration of development, testing, and deployment processes across diverse platforms and environments, including IBM Z® and IBM i operating systems.
 - ✓ Agile/SCM Distribution: We utilize Agile methodologies and source code management (SCM) tools to facilitate iterative development, continuous integration, and collaborative software development

practices. Our Agile/SCM distribution services enable organizations to adopt Agile practices and streamline source code management processes effectively.

- ✓ Static Code Analysis: We conduct comprehensive static code analysis to identify code quality issues, security vulnerabilities, and compliance violations early in the development lifecycle. Our static code analysis services help organizations improve code quality, enhance security, and ensure compliance with coding standards and best practices.
- ✓ Automated Testing, Release, and Deployment: We automate the testing, release, and deployment processes to enable rapid, reliable, and repeatable software delivery. Our automated testing, release, and deployment services leverage automation tools and technologies to streamline testing, deployment, and rollback processes, ensuring consistent and predictable software releases.
- ✓ Continuous Integration: We implement constant integration practices to enable frequent and automated integration of code changes into a shared repository. Our constant integration services facilitate early detection of integration issues, enabling rapid resolution and ensuring the stability and reliability of software builds.
- ✓ Real-Time Dashboard: We provide real-time dashboards and analytics to enable organizations to monitor and track key performance metrics, including build status, test results, deployment frequency, and lead time. Our real-time dashboard services offer actionable insights into the software delivery pipeline, empowering organizations to make informed decisions and optimize their DevOps processes continuously.

5. Mainframe Technical Operations Services: We tailor our suite of Mainframe Technical Operations Services to ensure the seamless and effective functioning of mainframe environments. We offer organizations the reliability, security, and performance necessary to sustain vital business operations. Our array of services encompasses the following:

- ✓ Console Operations: We oversee console operations, monitoring mainframe systems and promptly responding to alerts and notifications to maintain continuous availability and performance.
- ✓ 24/7 Support: Our team provides 24/7 support for mainframe scheduling requests, incidents, and problem management, ensuring prompt resolution of issues and minimizing downtime.
- ✓ Trend Analysis and Schedule Optimization: We analyze workload trends and optimize scheduling processes to enhance the efficiency and performance of mainframe environments, maximizing resource utilization and reducing costs.
- ✓ Tape and DASD Management: We manage tape and Direct Access Storage Device (DASD) resources, ensuring efficient storage management, data backup, and recovery processes to safeguard critical data and minimize the risk of data loss.
- ✓ User Management: We handle user management tasks, including user account provisioning, access control, and security administration, ensuring secure access to mainframe resources and data.
- ✓ Mainframe Storage Administration: Our team oversees mainframe storage administration tasks, including storage provisioning, allocation, and optimization, to ensure optimal performance and reliability of storage resources.
- ✓ Capacity Planning and Disaster Recovery: We conduct capacity planning to anticipate future resource needs and develop disaster recovery plans to ensure business continuity in the event of unforeseen events.
- ✓ LPAR Maintenance: We manage Logical Partition (LPAR) configurations, performing routine maintenance tasks such as configuration changes, upgrades, and patch management to ensure stability and reliability.
- ✓ Z/OS, IMS, DB2, and MQ Upgrade: We specialize in mainframe software upgrades, including operating systems like z/OS, database management systems such as IMS and DB2, and messaging middleware like MQ, enabling organizations to leverage the latest features and enhancements for optimized performance and functionality.

6. Modernization Services: In today's fast-paced business environment, companies must update their IT infrastructure to remain competitive and innovative. At AASI, we provide a complete range of modernization services to help businesses maximize their existing IT assets and transition to modern, cloud-based architectures. Our approach focuses on sustainability, continuous improvement, and delivering measurable business advantages.

- ✓ Mainframe Modernization: We specialize in IBM mainframe application modernization solutions, offering both 'in place on mainframe modernization' and 'exit mainframe to cloud modernization' services. With proven experience in large-scale application portfolio modernization and migration, we help enterprises unlock the full potential of their mainframe investments.
- ✓ Distributed Client-Server Modernization: We migrate client-server applications developed in Visual Basic, PowerBuilder, Oracle Forms, Delphi, and MS Access to target .Net / JEE platforms. Additionally, we replace legacy systems with commercially available off-the-shelf applications and modernize both horizontal and vertical COTS applications.
- ✓ Mainframe Data Modernization: Our iterative migrations of data from legacy mainframe database systems to modern cloud data platforms ensure guaranteed accuracy and quality. We leverage advanced techniques to streamline the data migration process, minimizing disruptions and maximizing efficiency.
- ✓ Java Monolith Modernization: We specialize in automatically and rapidly extracting microservices from complex Java monolithic applications, enabling organizations to modernize their Java-based systems with ease.
- ✓ Low Code / No Code-based Modernization: Our rapid build and launch of applications developed with low code / no code platforms empower businesses to modernize processes efficiently and cost-effectively.
- ✓ Mainframe Applications Mining and Documentation: We offer services for mining legacy applications to extract valuable knowledge and documentation. This enables architects, designers, developers, and testers to gain insights into legacy systems and streamline the modernization process.
- ✓ Mainframe Decommissioning: Our phased sunsets of replaced mainframe application systems ensure systematic shutdown and release of resources, minimizing risks and ensuring a smooth transition to modernized environments.

Approach:

We approach the task of fulfilling the DMV's requirements with a comprehensive strategy designed to optimize efficiency, quality, and client satisfaction. Our methodology stems from a deep understanding of the DMV's unique needs, combined with our dedication to technical excellence and collaborative partnership. We characterize our approach with meticulous planning, agile execution, and an unwavering focus on delivering value to our clients from the initial stages of requirement analysis to the final solution delivery. Before initiating any project, we conduct an extensive requirement analysis phase. During this phase, we actively engage with key stakeholders from the DMV to comprehensively understand their objectives, challenges, and constraints. This process enables us to identify and prioritize the DMV's requirements, ensuring precise tailoring of our solutions to meet their specific needs.

With a clear understanding of the project scope and objectives, we develop a strategic plan and roadmap for project execution. This roadmap outlines the key milestones, deliverables, and timelines, providing a transparent and structured framework for all stakeholders involved. Our strategic planning process ensures that we stay aligned with the DMV's goals and objectives throughout the project lifecycle, enabling us to deliver solutions that meet their expectations. At the core of our strategy is the adoption of agile methodologies, allowing us to adapt to evolving requirements swiftly. We break down the project into manageable iterations, delivering incremental value to the DMV with each cycle. This iterative approach not only accelerates the delivery of solutions but also enables us to incorporate feedback from the DMV in realtime, ensuring that our solutions evolve to meet their changing needs.

Our team of skilled professionals, equipped with expertise in IBM Mainframe technology, COBOL, CICS, and DB2, forms the backbone of our technical excellence. We adhere to best practices and industry standards, leveraging our technical prowess to develop solutions that are robust, scalable, and future-proof. Our dedication to quality is paramount, with rigorous testing and quality assurance conducted throughout the development process to uphold high standards of performance, reliability, and security. We prioritize building a collaborative partnership with the DMV, emphasizing open communication, responsiveness, and transparency. We actively involve the DMV in the development process, soliciting their feedback and input at every stage. This collaborative approach ensures alignment with the DMV's requirements while fostering a strong and enduring relationship, which is essential for long-term success. Below are the critical elements of our approach to delivering the DMV's requirements:

- **Thorough Needs Assessment:** We kick off by conducting a comprehensive needs assessment, diving deep into the DMV's requirements, existing systems, challenges, and future objectives. Through extensive consultations with stakeholders, we ensure a clear understanding of their needs and expectations.
- **Tailored Solution Design:** Armed with insights from the needs assessment, we craft tailored solution designs that precisely address the DMV's requirements. Our team of experts leverages their industry knowledge and technical understanding to propose innovative solutions that align with the DMV's objectives and budgetary constraints.
- **Agile Development Methodologies:** We embrace agile development methodologies to maintain flexibility and responsiveness throughout the project. Breaking down the project into manageable sprints and delivering incremental updates allows us to adapt quickly to evolving requirements.
- **Robust Technical Implementation:** Our team of seasoned professionals excels in the implementation of complex mainframe systems, utilizing cutting-edge technologies and industry best practices. Whether it's coding modifications, integrating new functionalities, or optimizing existing systems, we ensure a robust technical implementation meeting the DMV's standards.
- **Comprehensive Testing and Quality Assurance:** Quality is paramount at every stage. We conduct rigorous testing and quality assurance to detect and address any issues promptly, guaranteeing reliability, performance, and security in the solutions delivered to the DMV.
- **Transparent Communication and Collaboration:** We prioritize transparent communication and collaboration, providing regular progress updates, status meetings, and feedback sessions. Our project management framework ensures the DMV remains actively engaged and informed throughout the project.
- **Continual Support and Optimization:** Our commitment to the DMV extends beyond project delivery. We provide ongoing support and optimization services to ensure the long-term success and sustainability of the solutions implemented. From troubleshooting technical issues to implementing enhancements, we stand by the DMV as a dedicated partner in their journey towards digital transformation.

Why Choose AASI for Mainframe Application Programming Solutions?

Choosing AASI for Mainframe Application Programming Solutions offers numerous benefits and advantages:

- **Proven Expertise:** With over a decade of experience, our team excels in delivering high-quality solutions using IBM Mainframe technology.
- **Customized Solutions:** Tailored to your specific needs, we offer modifications, enhancements, or new development for mainframe applications aligned with your business goals.
- **Compliance and Regulation:** AASI ensures regulatory adherence, offering peace of mind in sectors like motor vehicles.
- **Efficiency and Reliability:** Our solutions optimize performance, streamline processes, and ensure data integrity, meeting the highest standards.
- **Continuous Support:** Beyond project delivery, we provide ongoing support and maintenance services, including troubleshooting issues and user training.
- **Cost-Effective Solutions:** Our offerings deliver maximum value, helping you achieve business objectives within budget constraints.

Experience: Experience unmatched excellence with our services, honed over years of dedicated industry experience, delivering tailored solutions tailored to WVOT's distinct needs. Our journey, marked by success and innovation, is driven by seasoned professionals who bring expertise to every project. With a client-centric approach, we build strong partnerships to understand WVOT's challenges and surpass expectations. With a proven track record and a commitment to innovation, we stand as WVOT's steadfast partner, poised to propel its business forward and unlock new possibilities together.

Project #1

Name of Organization	DHA, Inc.
Services provided	<ul style="list-style-type: none"> • Analyzed business requirements and translated them into technical specifications for mainframe applications. Developed, coded, tested, and maintained mainframe applications using programming languages such as COBOL, JCL, and PL/I.

	<ul style="list-style-type: none"> • Conducted unit and system integration testing to ensure the functionality and reliability of mainframe applications. Participated in troubleshooting and resolving issues, bugs, and defects in mainframe applications. • Documented technical designs, specifications, and procedures for reference and knowledge sharing for mainframe applications. Provided support and assistance during system upgrades, migrations, and enhancements. • Stayed updated on emerging technologies and best practices in mainframe application development to improve skills and expertise continuously. Contributed to the optimization and performance tuning of mainframe applications to enhance efficiency and responsiveness.
Start and end dates	Feb 2023 – Jan 2024

Project #2

Name of Organization	WeThinkIT, LLC
Services provided	<ul style="list-style-type: none"> • Evaluated and implemented enhancements and updates to existing mainframe applications based on user feedback and evolving business requirements, utilizing Agile methodologies and DevOps practices. • Utilized mainframe middleware technologies like IMS or WebSphere Application Server to facilitate application integration and communication. • Implemented data archiving and retention strategies for mainframe applications to optimize storage resources. • Collaborated with quality assurance teams to ensure the accuracy and reliability of mainframe applications through thorough testing procedures. • Conducted code reviews and provided constructive feedback to peers to maintain code quality and adherence to coding standards. • Managed version control and configuration management for mainframe applications to ensure stability and track changes effectively. • Assisted in documenting and communicating mainframe application changes and updates to relevant stakeholders. • Engaged in performance monitoring and analysis of mainframe applications to identify areas for improvement and optimization.
Start and end dates	Jun 2022 – May 2023

Project #3

Name of Organization	Bullz Eye Group
Services provided	<ul style="list-style-type: none"> • Enhanced data retrieval and manipulation performance by implementing and optimizing DB2 queries and stored procedures. • Integrated mainframe applications with distributed systems and web services using technologies like CICS and MQ Series. • Identified and resolved issues in mainframe application code using debugging tools such as IBM Debug Tool and Xpediter. • Implemented batch processing and job scheduling using JCL and scheduling tools like CA-7 or Control-M. • Implemented data security measures like RACF or ACF2 to protect sensitive data within mainframe applications. • Conducted performance tuning of mainframe applications to optimize resource utilization and response times. • Analyzed code performance using mainframe performance monitoring tools like RMF or SMF. • Implemented data encryption and masking techniques to secure data at rest and in transit within mainframe applications.

	<ul style="list-style-type: none">Developed and maintained documentation for mainframe application architecture, design, and implementation in accordance with organizational standards and compliance requirements.
Start and end dates	Aug 2021 – Jul 2022

3. Mandatory Requirements

At AASI, we appreciate the comprehensive requirements outlined by the West Virginia Purchasing Division and the WV Division of Motor Vehicles (DMV) in Section 4 of the solicitation. With over 11 years of industry experience, we are well-equipped to fulfill each requirement with precision and professionalism. Our approach involves a meticulous understanding of project scope, strategic planning, and precise execution, ensuring compliance with AAMVA CDLIS Modernization Federal requirements for modifying the WV DMV Drivers' License System.

Our Mainframe Application Programmer Analysts are skilled in enhancing systems, ensuring legal compliance, and seamlessly integrating with all WV DMV systems. We provide ongoing operational support, including telephone assistance, training development, and issue resolution. Our focus is on developing cutting-edge interfaces based on regulatory mandates, emphasizing system design, testing, and training. We aim to exceed expectations, foster a collaborative partnership with the WV DMV, and deliver tangible results. With our track record and commitment to client satisfaction, we're confident in meeting project demands and surpassing expectations.

4. Miscellaneous

12. MISCELLANEOUS:

12.1 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Priyanka Arora

Telephone Number: 703-348-2871

Fax Number: N/A

Email Address: info@advancedanalyticalsystems.com

5. Proof of Insurance

AASI is submitting its current Certificate of Insurance (COI) as supporting documentation.

2648048 Advanced Analytical Systems, Inc.

Certificate Of Insurance

2/21/2024 12:37:35 PM



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
2/21/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER TechInsurance, Division of Specialty Program Group LLC 203 N. LaSalle St., 20th Floor, Chicago, IL 60601	CONTACT NAME:	
	PHONE (A/C, No, Ext): (800) 688-1984	FAX (A/C, No): 312-690-4123
E-MAIL ADDRESS:		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: Philadelphia Indemnity Insurance Company		18058
INSURER B: Hartford Underwriters Insurance Company		30104
INSURER C: Continental Casualty		20443
INSURER D: CNA Insurance Companies		20443
INSURER E: Philadelphia Indemnity Insurance Company		18058
INSURER F:		

INSURED
Advanced Analytical Systems, Inc.
24035 Whitten Farm Ct, STE A, Aldie, VA, 20105

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
C	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GENL AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			6021316924	11/1/2023	11/1/2024	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMPIOP AGG \$ 4,000,000 \$
C	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			6021316924	11/1/2023	11/1/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
D	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			6020070815	11/1/2023	11/1/2024	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	46WECA60MZ	8/27/2023	8/27/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Professional Liability (Errors and Omissions)			PHSD1793730	8/27/2023	8/27/2024	Occurrence/Aggregate \$2,000,000 / \$2,000,000
E	Fidelity Bond 3rd Party BKT			PHSD1837803	2/16/2024	2/16/2025	Each Occurrence \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER Insured Copy	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
------------------------------------	---

6. Required Forms
Designated Contact and Certification & Signature Form

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Priyanka Arora, President

(Address) 24035 Suite A, Whitten Farm CT, Aldie, VA, 20105-2767

(Phone Number) / (Fax Number) 703-348-2871, N/A

(email address) info@advancedanalyticalsystems.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through WVS/OASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

Advanced Analytical Systems, Inc.

(Company) Priyanka Arora

(Signature of Authorized Representative) Priyanka Arora, President

(Printed Name and Title of Authorized Representative) (Date) 703-348-2871, N/A

(Phone Number) (Fax Number) info@advancedanalyticalsystems.com

(Email Address)

7. Acknowledgement to Addendum

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DMV2400000003

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input checked="" type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input checked="" type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input checked="" type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Advanced Analytical Systems, Inc.

Company



Authorized Signature

Apr 02, 2024

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

CRFQ DMV24*03 - EXHIBIT A - PRICING PAGE

TOTAL INSTALLATION & DELIVERY COST										
LOCATION - 5707 MacCorkle Avenue, S.E., Charleston, WV 25304										
Item Number	Quantity	Description	Unit Price Year 1	YEAR 1 TOTAL	Unit Price Year 2	OPTIONAL YEAR 2 TOTAL	Unit Price Year 3	OPTIONAL YEAR 3 TOTAL	Unit Price Year 4	OPTIONAL YEAR 4 TOTAL
1	20,000 (8x2500 hrs)	Application Programmer Analyst Contract Cost for 1 year based on hourly rate	95	1900000	96	1920000	97	1940000	98	1960000
Total	7720000									

This amount is for evaluation purposes only