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Requestor: Thomas Swindell
Company Name: AAMCORE Inc.
Contract: N00178-08-D-5312

Request Status: Approved
Date Updated: 9/17/2009 8:53 AM
Date Submitted: 9/16/2009 4:19 PM

Team Member Name: Patrick Engineering Inc.
Existing SeaPort-e Prime: No
Address: 4970 Varsity Drive
City: Lisle
State: IL
Zip Code: 60532-4101
CAGE Code: OHU84
DUNS: 021300280

EPOC Name: Richard Hayes
EPOC E-mail: rhayes@patrickengineering.com
EPOC Phone Number: 630-795-7473
Alternate EPOC Name: Marilyn Wodzinski
Alternate EPOC E-mail: mwodzinski@patrickengineering.com
Alternate EPOC Phone Number: 630-795-7262

Large Business: Yes
Small Business: No
Small Disadvantaged Business: No
Woman Owned Business: No
Hub Zone Representation: No
Veteran Small Business: No
Service Disabled Veteran Owned: No
Emerging Small Business: No
8(a) Program: No

Technical Capability: Technical Capability Areas Patrick has nearly 30 years of proven leadership and expertise in project management, specializing in the fields of engineering, architecture, planning, technology

consulting and construction management. The Engineering News Record (ENR) has included Patrick in its ENR Top 500 for 16 consecutive years; and we've earned numerous industry design awards for the consistent quality of our work. Our expanding client roster includes key government agencies, public utilities and major corporations in a broad range of industries. Patrick has grown to employ more than 400 professionals in ten offices located throughout the Midwest, Pennsylvania, Florida and Texas. Capabilities include:

Engineering Procurement
& Construction Management

- Design/Build
- General Contracting
- Turnkey Project Management
- Planning
- Estimating & Scheduling
- Constructability Reviews
- Engineering
- Procurement
- Contract Bidding & Negotiations

Transportation

- Highway/Railroad/Bridge Design
- Traffic Studies & Signal Design
- Railroad Crossing Studies
- Intermodal Facility Design
- Roadway Improvements
- Aviation and Airfield Improvements

Civil/Structural Engineering

- Analysis & Design
- Electrical Vaults
- Yard Modifications
- Grading & Drainage
- Permitting
- Concrete/Steel/Masonry/Timber

Mining Services

- Mine Plant Location Studies
- Stripping & Site Preparation
- Material Blending & Extraction
- Ramp System/Haul Route Development

Geographic Information Systems (GIS)

- Web- and Field-Based Applications
- Database Design
- GIS Software Training
- Organizational Development
- Data Integration & Conversion
- Needs Assessments

Environmental

- Hydrogeologic Investigations
- Brownfield Remediation/RI/FS
- UST/LUST Management
- Solid Waste Management
- Stormwater/Groundwater Management
- Landfill Services
- Spill Plans/SPCC
- Environmental Impact/Volume Statements

Geotechnical

- Soil Investigations
- Foundation Design

- Retaining Structure Design
- Slope Stability/Stabilization
- Ground Improvement
- Sediment Investigation/Dredging
- Materials Management

Surveying & Mapping

- GPS Control Surveys
- Geodetic Leveling Surveys
- Bathymetric Wetland Surveys
- Boundary/Alta Surveys
- Land Boundary Expert Witness
- Wide-Area Monument Networks
- Easement Descriptions & Plats
- Topographic Mapping

Building Design

- Architecture
- Structural/Mechanical/Electrical Engineering
- Interior Design
- Lighting Design

Electrical Engineering

- Arc Flash Analyses
- Short-Circuit Analyses
- Power Distribution Design
- Motor Studies & Controls
- Electrical Generator Sizing & Design

Tasking:

AAMCORE will continue to team with Patrick Engineering Inc. to bring the "best of breed" engineering solutions to the Department of the Navy end-users. AAMCORE anticipates that Patrick Engineering will facilitate offering the Navy state of the art energy management solutions to the various activities within the Navy.

Functional Areas:

Patrick Engineering will provide functional expertise in Project/Program Management, Engineering, Construction Management, Design/Build, GIS, National Datum, Airport Terminal Approach Operations (GPS), logistics support, terminus design and support, R&D, provisioning.

Subcontracting Goal:

Patrick Engineering is a large firm and will provide breadth and depth to AAMCORE in meeting the needs of the various Navy, Marine Corps, and DTRA clients using the Seaport-e MAC.

Past Performance:

NBK_08-R-4007, NAVFAC NW Design of 41 design projects to support NAVFAC NW operational area.

Joliet Intermodal Railway Transportation Hub, Union Pacific Railroad. Designed a new intermodal operations railway grid for the UP Railway system.

Wisconsin State Precise Geodetic Leveling. Provided State of Wisconsin with FGCC Geodetic Updates for the Department of Transportation for the entire state. Patrick Engineering is currently in the 6th year of a 10 year contract.

Corps of Engineers, US Army. Patrick provided design and construction phase services for this two-part, \$65-million project. Hydrogeologic investigations during the design phase provided the client with engineering data to verify that the trenching operations during construction would not sever any pervious soil layers and consequently drain any of the project's 26 jurisdictional wetlands. This information was used to

obtain the project's individual 404 Permit from the U.S. Army Corps of Engineers. The combined 44 miles of pipeline in the two projects required an Illinois Environmental Protection Agency NPDES Storm Water Permit for construction site activities.

Additionally, Patrick prepared Storm Water Pollution Prevention Plans for each of the two sites; performed on-site inspection services to assure Contractor adherence to the Plans; and, assisted the client in quality assurance, quantity measurements, Agency communication and on-site civil engineering design services.

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