

Matrix New World Engineering, Inc.

A STATEMENT OF QUALIFICATIONS



OCTOBER 25, 2012

 Contract Holder

Submitted by:
MATRIX**NEWORLD**
Enabling Progress



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Customer Information



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

Special Item Number (SIN)	Labor Categories
SIN 899-1: Environmental Consulting Services	All Labor Categories
SIN 899-3: Environmental Occupational Trainging Services	All Labor Categories
SIN 899-8: Remediation and Reclamation Services	All Labor Categories

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply: See item 6 below

- 2. Maximum Order: \$1,000,000.00
- 3. Minimum Order: \$100.00
- 4. Geographic Coverage (delivery Area): FOB Domestic only
- 5. Point(s) of production (city, county, and state or foreign country): Same as contractor's address, and multiple regional office locations throughout the United States
- 6. Discount from list prices or statement of net price: Yes
- 7. Quantity Discounts: None Offered
- 8. Prompt Payment Terms: Net 30 Days
- 9a. Notification that Government purchase cards are accepted up to the micro-purchase threshold: Yes
- 9b. Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold: Contact Contractor
- 10. Foreign items (list items by country of origin): None
- 11a. Time of Delivery (Contractor insert number of days): Specified on Task Order
- 11b. Expedited Delivery. The Contractor will insert the sentence "Items available for expedited delivery are noted in this price list." under this heading. The Contractor may use a symbol of its choosing to highlight items in its price list that have expedited delivery: Contact Contractor
- 11c. Overnight and 2-day delivery. The Contractor will indicate whether overnight and 2-day delivery are available. Also, the Contractor will indicated that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery: Contact Contractor
- 11d. Urgent Requirements. The Contractor will note in its price list the "Urgent Requirements" clause of its contract and advise agencies that they can also contact the Contractor's representatives to effect a faster delivery: Contact Contractor
- 12. F.O.B Point(s): Destination
- 13. Ordering Address(es): Same as Contractor
- 14. Payment Address(es): Same as company address
- 15. Warranty provision: None
- 16. Export Packing Charges (if applicable): N/A
- 17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level): Contact Contractor
- 18. Terms and conditions of rental, maintenance, and repair (if applicable): N/A
- 19. Terms and conditions of installation (if applicable): N/A
- 20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable): N/A
- 20a. Terms and conditions for any other services (is applicable): N/A
- 21. List of service and distribution points (if applicable): N/A
- 22. List of participating dealers (if applicable): N/A
- 23. Preventive maintenance (if applicable): N/A
- 24. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants: N/A
- 25. Data Universal Numbering System: (DUNS Number): 79-6227247
- 26. Notification regarding registration in Central Contractor Registration (CCR) database: Registered

About Matrix

COMPANY BACKGROUND





Matrix New World Engineering, Inc. (Matrix) is a 22 year old award winning full-service environmental, geotechnical, and civil engineering firm. Matrix has long been recognized as a leader in emergency response, program management, environmental impact assessments, engineering studies and ecosystem restoration.

The firm has grown significantly over the years and has developed a strong reputation for delivering high quality services and work products within budget and on schedule. The success that defines **Matrix** is characterized by cost control, completion of a quality work product, compliance with regulatory standards, and on time delivery of work products. Matrix's innovation, responsiveness, and creativity in delivering project services have been most clearly recognized by industry and our clients over the years.

Matrix's innovation, responsiveness, and creativity in delivering project services have been most clearly recognized by the substantial amount of **repeat business** given by its clients since its inception. Matrix has received numerous awards, letters, and other commendations hailing our effectiveness, quality, and responsiveness. Some of those awards are:

- Matrix was named Outstanding Women Owned Business for 2012 by Anchin, Block & Anchin LLP
- Ernst and Young Entrepreneur of the Year Finalist, Dennis Petrocelli, PG (2011)
- Matrix was named Business of the Year for 2010 on the 51-100 Employees Category
- Matrix was named one of the Top 500 Design Firms, ENR (2007)
- Matrix was named one of the Top 50 Woman Owned Business in NJ, diversitybusiness.com (2005)

Founded in 1990, we are a woman owned business long recognized as a leader in providing multi-disciplinary solutions to a wide variety of projects including site development, infrastructure, environmental and engineering studies, and property redevelopment.

Two Decades of Investigation and Remediation: Over the past two decades, Matrix's innovation, responsiveness, and creativity in delivering project services has clearly been recognized by our clients and industry. The success that defines Matrix is characterized by cost controls, completion of a quality work product, compliance with regulatory standards, and timely delivery. As a result, our client, professional, and subcontracting relationships span many projects and years.

Diverse Client Base: Our diverse client base includes commercial and industrial properties, architects and engineers on large transportation and infrastructure projects, Federal, state and local agencies, and large multi-national corporations.

Cooperation and Respect: Convergent behavior is our guiding principle. By that, we mean that our greatest successes occur when engineering and environmental issues are resolved within a cooperative atmosphere that emphasizes the importance of respect for all participants, while focusing on shared goals and defined end points.

A Proven Holistic Approach: Matrix's proven holistic approach to projects creates added value for our clients, because it not only promotes a more cost-effective assessment, but also addresses the desire of all stakeholders and the public for visible, beneficial, and permanent solutions.

Matrix New World

Services



Environmental Engineering

Our environmental group provides a full range of environmental services ranging from initial site assessment to remedial investigation and remedial designs, asbestos and lead-based paint surveys and project designs, underground storage tank management programs, construction support services and regulatory compliance issues. We are familiar with all aspects of environmental engineering, science and construction, and provide quality consulting services to our clients.

We have a team of experienced and licensed professionals that maintain registrations in their fields of expertise including Professional Engineers, Professional Geologists, Certified Hazardous Materials Managers, Certified Safety Professionals, Accredited Asbestos Inspectors, Management Planners, Project Designers, and Safety Technicians, Certified Lead Inspector/Risk Assessors, ANSI-RAB Lead Environmental Management System Auditors, and Underground Storage Tank Closure/Subsurface Evaluators. Several of our employees are former employees of the New Jersey Department of Environmental Protection and the Environmental Protection Agency. Matrix is also a certified Asbestos Safety Control Monitor in New Jersey.

Geotechnical Engineering

Our geotechnical services range from initial site evaluation to development of complete site-specific engineering recommendations for the selection, design and construction of effective and functional foundation and pavement systems. We can also provide consultation on excavation, shoring, and permeability analysis and dewatering for remediation and construction engineering projects. Our work is characterized by a spirit of partnership and a commitment to understanding the client's needs and objectives, and working collaboratively toward their goals.

Our team understands that each project has special requirements and sensitivities and we have a proven record of successfully executing the most challenging and complex geotechnical projects, many of which have been completed under severe time constraints (e.g., need-to-award construction project, year-end funding, and client-imposed deadlines). Many also required innovative project scoping and economic risk sharing to satisfy customer budget constraints.

Civil Engineering

We provide all engineering and agency coordination required to obtain approvals on subdivisions and site plans and have the ability to incorporate ecological, geotechnical, and environmental services to provide our clients a multi-disciplinary range of services to accomplish difficult project designs, as well as creatively plan and develop land for custom usages.

Our civil engineering team consists of engineers and design technicians who have become disciplined through a wide variety of project requirements. In-house specialties include local planning/zoning ordinance review, feasibility studies, community development layout, subdivision design, roadway design, sanitary sewer layout, potable water supply, stormwater management, soil erosion, and sediment control.

Ecology/Natural Resources

Our firm is focused on solving problems related to natural resources and the environment. We provide a wide array of services from ecological studies and ecosystem restoration designs to federal, state and local natural resources permitting. We have provided biological consultation and design services for many significant wetland restoration projects of regional significance in the Mid-Atlantic. We are also familiar and experienced with individual state regulatory requirements. Matrix provides proven technical and strategic services to identify the issues, coupled with the ability to implement the remedy.

Land Surveying & Mapping

At Matrix, we offer our clients the advantage of enhanced project controls by providing surveying services from conceptual to construction layout. Licensed in New York and New Jersey, our professional land surveyors are well-trained and highly experienced in using cutting-edge surveying tools and techniques, including global positioning systems (GPS). Their expertise brings a high degree of accuracy and precision to building and infrastructure projects. We also offer the ability to provide multiple survey crews on projects. In addition, Matrix seeks to employ the most cost-effective and innovative solutions to meet our clients' needs. For example, we are launching a 3D laser scanning capability to enhance our surveying and mapping services.

Spill Response

Regardless of the size, season of occurrence, or area of impact, spills of oil or hazardous materials can be devastating in terms of environmental impact costs and negative publicity. A rapid response is vital to effectively managing these events. Matrix New World Engineering's scientists and technical staff are on call for immediate deployment to spill sites, day or night. The firm's staff have decades of combined experience in spill response, assessment, and mitigation services, and we maintain our skills through advanced training, drill participation, and ongoing project work in various states.

Our expertise encompasses site remediation, environmental monitoring, source characterization, assistance to cleanup efforts, ephemeral sampling, insurance reviews, and claims management services. Matrix is skilled in providing Shoreline Cleanup Assessment Teams (SCATs) to systematically survey and document areas affected by a spill, developing maps to facilitate cleanups, collecting samples, and coordinating the cleanup efforts with contractors and public agency officials. In cases where natural resources are harmed by spills, the firm is experienced in helping clients address natural resource damage assessment (NRDA) issues and claims. Supplementing our response and restoration services, Matrix offers a wide range of ecological evaluation services as well as expertise in sediment management and remediation and coastal, river, and port engineering.

Construction Management

Many of our projects are part of major infrastructure projects, site development, or property transfers where we have played a critical role on the construction management, project management, or project design teams. Matrix has significant experience with public agencies in New York and New Jersey, including New York City Transit, MTA Metro-North Railroad, Long Island Railroad, Port Authority of New York and New Jersey, New York City School Construction Authority (NYSCA), New Jersey Transit, Newark Housing Authority, Newark Public Schools, County of Union, New Jersey, County of Middlesex, New Jersey, City of Clifton, New Jersey, and Township of Maplewood, New Jersey.

We have served as an integral partner in several high-profile infrastructure projects in the region. Matrix is an engineering consultant for Second Avenue Subway, East Side Access, the Access to the Region's Core, and the Trans Hudson Express (THE) Tunnel. We have served on either the design or construction management teams for projects such as the Hudson-Bergen Light Rail Transit System, Southern New Jersey Light Rail Transit System, Port Imperial Ferry Terminal, extensive interior and exterior renovations at Times Square Station and Grand Central Terminal, Metro-North Railroad Croton-Harmon Maintenance Facility, school projects including new structures and demolition in Newark, Jersey City, Passaic, Burlington City, Perth Amboy, and Philipsburg, New Jersey, and development projects for county and municipal government bodies. We have also worked with private developers on commercial and residential projects, as well as a very innovative project recently involving the closure and conversion of an inactive municipal landfill into a solar panel farm.

Schedule of Fees

Price List/Labor Category

Labor Category	Minimum Education	Minimum Experience	Price (including IFF)
Principal	Masters	20	\$88.16
Senior Supervising Engineer/Scientist II	Masters	20	\$193.45
Supervising Engineer/Scientist I	Bachelors	15	\$141.06
Senior Engineer/Scientist II	Bachelors	15	\$133.00
Senior Engineer/Scientist I	Bachelors	12	\$112.85
Project Engineer/Scientist II	Bachelors	10	\$100.76
Project Engineer/Scientist I	Bachelors	5	\$90.38
Engineer/Scientist II	Bachelors	3	\$76.57
Engineer/Scientist I	Bachelors	2	\$72.54
Staff Engineer/Scientist I	Bachelors	0	\$49.87
Senior Designer	High School	10	\$80.60
CAD	High School	5	\$59.95
Project Administrator	Bachelors	5	\$64.48
Project Coordinator	High School	3	\$55.01

SCA Matrix		
Labor Category	SCA Equivalent Categories	WD Number (Morris County, NJ)
Senior Engineer/Scientist II	30086- Engineering Technician VI	2005-2353
Senior Engineer/Scientist I	30085- Engineering Technician V	2005-2353
Project Engineer/Scientist II	30084- Engineering Technician IV	2005-2353
Project Engineer/Scientist I	30083- Engineering Technician III	2005-2353
Engineer/Scientist II	30082- Engineering Technician II	2005-2353
Engineer/Scientist I	30081- Engineering Technician I	2005-2353
Staff Engineer/Scientist I	30090- Environmental Technician	2005-2353
Senior Designer	30064- Drafter/CAD Operator IV	2005-2353
CAD	30062- Drafter/CAD Operator II	2005-2353
Project Administrator	01020- Administrative Assistant	2005-2353
Project Coordinator	01613- Word Processor III	2005-2353

**The Service Contract Act (SCA) is applicable to this contract and it includes SCA applicable labor categories. The prices for the indicated SCA labor categories are based on the U.S. Department of Labor Wage determination Number(s) identified in the matrix. The prices are based on the preponderance of where work is performed and should the contractor perform in an area with lower SCA rates, resulting in lower wages being paid, the task order prices will be discounted accordingly.*

1. Principal

General Summary:

Directs the performance of a variety of related projects which are organized by technology, program or client. Oversees the implementation, marketing, and resource allocation within program client base.

Principal Duties and Responsibilities:

- Responsible for the effective management of personnel and budget. Accountable for the quality and timely delivery of all contract deliverables.
- Operates within client guidance, contractual limitations, and company policy directives. Serves as point of contact with client regarding program activities.
- Ensures that all required resources including manpower, production standards, computer time, and facilities are available for program implementation.
- Manages program consisting of multiple projects including project identification, design, and development delivery.
- Maintains the development and execution of business opportunities based on broad, general guidance. Responsible for marketing new technology and follow-on business acquisitions.
- Confers with project manager to provide technical advice and to assist with problem resolution.
- May perform other duties as required.

Job Specifications:

- Master's Degree of equivalent and Professional Engineering License and 20 years of general experience.

2. Supervising Engineer/Scientist

General Summary:

Manages program and project operations. Ensures schedules are met and resources are used effectively.

Principal Duties and Responsibilities:

- Provides Quality Assurance Quality Control on projects.
- Coordinates the resolution of project related problems.
- Ensures proper relationships are established between customers, teaming partners, and subcontractors to facilitate the delivery of services.
- Supervises staff operations.

Job Specifications:

- Supervising Engineer/Scientist I - Bachelor's Degree or equivalent and 15 years of general experience.
- Senior Supervising Engineer/Scientist II – Master's Degree or equivalent and 20 years of general experience.

3. Senior Engineer/Scientist

General Summary:

Manages project operations and performs a variety of engineering and scientific tasks, either independently or under supervision, which are broad in nature and are concerned with the design and implementation, including personnel, subcontractors, and/or equipment. Ensures schedules are met and resources are used effectively. Manages team of Engineers/Scientists through project completion.

Principal Duties and Responsibilities:

- Coordinates the resolution of project related problems.
- Directs the day to day management of projects.
- Manages teaming partners and subcontractors to facilitate the delivery of services.
- Plans and performs engineering research, design development, and other assignments in conformance with design engineering and customer specifications.
- Supervises team of Engineers through project completion.
- Responsible for major technical/engineering projects of higher complexity and importance than those normally assigned to lower level engineers.
- Coordinates the activities of Engineers and staff assigned to specific engineering projects.
- May perform other duties as required.

Job Specifications:

- Senior Engineer/Scientist I - Bachelor's Degree or equivalent and 12 years of general experience.
- Senior Engineer/Scientist II - Bachelor's Degree or equivalent and 15 years of general experience.

4. Project Engineer/Scientist

General Summary:

Under supervision of project manager, performs a variety of engineering and scientific tasks which are broad in nature and concerned with the design and implementation, including personnel, subcontractors, and equipment.

Principal Duties and Responsibilities:

- Plans and performs research and other assignments in conformance with projects.
- Directs the day to day management of HAZMAT projects.
- Responsible for the technical/engineering part of a major project or a project of lesser complexity and importance than those normally assigned to a higher level engineer.
- Directs field operations.
- Coordinates the activities of field staff assigned to specific projects.
- May perform other duties as assigned.

Job Specifications:

- Project Engineer/Scientist I – Bachelor's Degree or equivalent and 5 years of general experience, when applicable HAZMAT certifications and licenses.
- Project Engineer/Scientist II – Bachelor's Degree or equivalent and 10 years of general experience, when applicable HAZMAT certifications and licenses.

5. Engineer/Scientist

General Summary:

Under supervision of project manager, performs a variety of engineering and scientific tasks which are broad in nature and concerned with the design and implementation, including personnel, subcontractors, and equipment.

Principal Duties and Responsibilities:

- Plans and performs research and other assignments in conformance with projects.
- Responsible for the technical/engineering part of projects of lesser complexity and importance than those normally assigned to a higher level engineer.
- Performs field operations.
- May perform other duties as assigned.

Job Specifications:

- Engineer/Scientist I – Bachelor’s Degree or equivalent and 2 years of general experience, when applicable HAZMAT certifications and licenses.
- Engineer/Scientist II – Bachelor’s Degree or equivalent and 3 years of general experience, when applicable HAZMAT certifications and licenses.

6. Staff Engineer/Scientist

General Summary:

Under supervision, assists in defining and executing engineering and scientific activities within a project. These activities may consist of planning, performance testing and validation, and development and staffing of a project plan.

Principal Duties and Responsibilities:

- Performs engineering and scientific tasks.
- Development and staffing of a project plan.
- Supports project Engineers/Scientists, as required.
- Analyzes and develops technical documentation.
- May perform other duties as assigned.

Job Specifications:

- Staff Engineer/Scientist – Bachelor’s Degree or equivalent and 0 years of general experience, when applicable HAZMAT certifications and licenses.

7. Senior Designer

General Summary:

Assists project staff by providing digitized drawings, scanning, copying large prints, file management, inventory control support on multiple projects. Familiar with AutoCad Release 14 through 2009; Civil3D Release 2006 through 2012; Microstation V8; Bentley InRoads(Survey); GIS Technology; Graphics.

Principal Duties and Responsibilities:

- Maintains current drawing standards.
 - Creates, modifies, and updates project drawings and figures.
 - Provides drafting support to project Engineers/Scientists, as required.
- Analyzes and develops technical documentation.
May perform other duties as assigned.

Job Specifications:

- Senior Designer - High School Diploma, applicable certifications, and 10 years of general experience.

8. CAD

General Summary:

Assists project staff by providing digitized drawings, scanning, copying large prints, file management, inventory control support on multiple projects. Familiar with AutoCad Release 14 through 2009; Civil3D Release 2006 through 2012; Microstation V8; Bentley InRoads(Survey); GIS Technology; Graphics.

Principal Duties and Responsibilities:

- Creates, modifies, and updates project drawings and figures.
- Provides drafting support to project Engineers/Scientists, as required.
- May perform other duties as assigned.

Job Specifications:

- CAD - High School Diploma, applicable certifications, and 0 to 5 years of general experience.

9. Project Administrator

General Summary:

Provides administrative-type support to technical, management, and executive level personnel. This includes, but is not limited to, documentation planning and support, project administration, general office support, executive secretarial support, human resource planning, event planning and administration, office relocation planning, mail services, records, data input, etc.

Principal Duties and Responsibilities:

- Specializes in facilitating, coordinating and planning office administration and support.
- Understands and provides documentation planning and support, project administration, general office support, executive secretarial support, human resource planning, event planning and administration, office relocation planning, etc.
- May perform other duties

Job Specifications:

- Project Administrator - Bachelor's Degree or equivalent and 5 years of general experience.

10. Project Coordinator

General Summary:

Provides administrative-type support to technical and management-level personnel. This includes, but is not limited to, word processing, documentation planning and support, project administration, general office support, event planning and administration, mail services, records, data input, etc.

Principal Duties and Responsibilities:

- Specializes in performing office administration and support.
- Word processing, database entry, etc.
- Understands and provides documentation planning and support, project administration, general office support, event planning and administration, etc., and required changing office environments.
- May perform other duties

Job Specifications:

- Project Coordinator - High School Diploma 3 years of general experience.

