

# NEW MPA



## Purchases Communication

Issued By: Lorraine Hynes, Purchasing Agent  
 Buyer: George Welly  
 Distribution: Chief Financial Officers  
 Date: May 9, 2014

Notice of	<b>Master Price Agreement “MPA”</b>
MPA#	<b><u>494</u></b>
MPA Title	<b>Architectural and Engineering (A&amp;E) Services</b>
Effective Date	<b>2/1/2014 –1/31/2015 (With two, one-year renewal options available at the State’s sole option.)</b>
Description and Review MPA Online	Please note the MPAs listed below that are now replaced by <a href="#">MPA#494</a>
MPAs Replaced by MPA494	373 - A&E Services for Roof Renovations on State Buildings 374 – A&E Services to Support HVAC Systems 375 – A&E Services Support Primary Electrical Distribution Systems 376 – A&E Services Support Second Electrical Distribution Systems 457 – A&E Services for Construction Admin/Building Envelope Repairs (DOA Facilities)
User Guide	A comprehensive agency user guide is posted with each purchase award on the MPA website, including a project phases guide, instructional and supplemental documents. A copy of the guide is attached to this communication for your use.
Analysis	<a href="#">Analysis</a> is posted online. The analysis details the vendor rankings by discipline. A copy is attached to this communication for your use.

Master Price Agreements (MPAs) cover requirements for broad categories of items for a period of time on a State-wide basis. State and Quasi-Public Agencies order their requirements for these items individually, as the need arises. State law permits municipalities and school districts to “piggy-back” the state’s pricing contracts, at the vendor’s discretion. The Purchases Inventory of Master Price Agreements is accessible at <http://www.purchasing.ri.gov/MPA/MPASearch.aspx>.

The *Purchases Business Processes* instructs requisitioning agencies to first seek utilization of Master Price Agreements prior to requisitioning for purchasing needs. *Purchases Business Processes* are accessible at the Purchases website (User ID and Password required) at <http://www.purchasing.ri.gov/StateAgencyInfoCenter/AgencyLogin.aspx> .

Chief Financial Officers are responsible to distribute this information to relevant staff.



## STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Administration  
DIVISION OF PURCHASES  
One Capitol Hill  
Providence, RI 02908-5855

Tel: (401) 574-8100  
Fax: (401) 574-8387  
Website: [www.purchasing.ri.gov](http://www.purchasing.ri.gov)

### **CONTRACT USER GUIDE ARCHITECTURAL and ENGINEERING SERVICES**

**MASTER PRICE AGREEMENT #494**

**CONTRACT TERM: 3/1/14- 3/31/15**

**AT SOLE OPTION OF THE STATE TO RENEW FOR A MAXIMUM OF TWO (2)  
ADDITIONAL ONE (1) YEAR TERMS**

#### **BACKGROUND:**

The Division of Purchases issued RFP #7537383 for Architectural and Engineering Services on December 2, 2013. Fifty firms submitted proposals on December 30, 2013 for multiple architectural and engineering disciplines, including Civil, Architectural, Mechanical, Structural, Electrical, Plumbing, and Fire Alarm/ Fire Suppression Systems. Purchase orders are issued to 48 firms for a variety of disciplines. Rankings are provided for each of the disciplines.

#### **CONTRACT SUMMARY:**

This Master Price Agreement includes qualified firms to provide design services on an “as needed” basis for individual projects for Architectural and/or Engineering (A/E) Services. The MPA is intended to service smaller short-term projects (see caps below).

#### **PROJECT PHASES:**

The Project Phases Guide provided as “Attachment A” details the “project phases” typical of small to medium scale projects for which Architectural and Engineering Services may be provided under MPA #494.

#### **WHO CAN USE THIS CONTRACT**

**STATEWIDE APPLICABILITY** - Political Subdivisions (cities, towns, schools, quasi-public agencies), as authorized by law, may participate in this Agreement. All ordering and billing shall be between the vendor and the political subdivision (only).

#### **INSTRUCTIONS FOR USE BY STATE AGENCIES:**

The state agency will **obtain a minimum of three written responsive quotes from pre-qualified MPA-494 vendors for a lump sum fixed-fee for a specific project**. Therefore, agencies should not request a technical and cost evaluation when requesting a quote. Requests for quotation should include a clear description of the project, its size, complexity, time schedule and any special requirements. [See the [sample Request for Quote provided as “Attachment B”](#).] With the exception of the Architectural and Civil, agencies should make every effort to request quotes from all firms within the designated lead discipline. The specialty disciplines and associated tasks are described below in “Disciplines.” Agencies should examine the different descriptions to determine

the most appropriate lead discipline for any project. When obtaining quotes from the Architectural discipline agencies should solicit quotes from the two minority business firms.

Approved vendor rate structure pricing for hourly rates for the three primary roles in each qualifying discipline is attached to each purchase order. These rates can be used as a guide when vendors submit their lump sum fixed-fee quotes, and do not replace the requirement to use lump sum fixed-fee arrangement; hourly rates for primary and secondary roles will be utilized by the agencies in verifying progress payments, and in establishing appropriate compensation due to the vendor in the event the project is abandoned.

Proposals shall also include a matrix of all proposed personnel roles, and their total project involvement (in hours). These hours, when multiplied by the hourly rates provided by the vendor, shall total the lump-sum fixed fee quote submitted. Progress billings will include documentation of units of service provided at the agreed rates.

Quotes shall be solicited with a stated deadline for submission of the quotation. The MPA includes a minimum of seven, and up to twenty qualified vendors in each of the seven design disciplines. Vendor rankings are attached; the ranking is based on a combination of technical qualifications and pricing. When soliciting quotes, sufficient vendors shall be solicited to generate three responsive lump sum fixed fee quotes.

The Division of Purchases recommends lowest responsive, responsible bidder; however, if an agency does not select the low bidder, the agency must prepare a written justification to the Division of Purchases and receive approval from the Division prior to proceeding with the notification letter.

There is a \$50,000 cap for any specific project. Above \$50,000 and up to \$150,000, projects are subject to prior written approval by the Division of Purchases. Projects expected to exceed \$150,000 must be solicited as a Request for Proposal.

The state agency will send a notification letter [See the sample notification letter provided as "Attachment C".] to the recommended vendor in which the following information is requested:

- An agreement outlining the scope and special terms & conditions covering the work, executed by both the Agency Chief Executive and the vendor's authorized agent. No work or services shall be performed by an MPA-494 vendor for a user agency project until issuance of a purchase order by the Division of Purchases.
- A completed Minority Business Enterprise Plan.
- ❖ Equal Employment Opportunity Compliance Certificates & Agreements and Certificates of Insurance are on file for each awarded vendor and do not require restatement. Insurance minimum limits of coverage are as follows:

**Comprehensive General Liability Insurance:** covering bodily injury, and property damage in a form and with coverage that are satisfactory to the State. Including personal and advertising injury liability, independent contractors, products completed operations, contractual liability

and broad form property damage coverage. Coverage shall be written on an occurrence basis. A combined single limit of \$1,000,000 per occurrence and aggregate is required for bodily injury, and a combined single limit of \$500,000 per occurrence and aggregate.

**Auto Liability Insurance:** covering all owned, non-owned, or hired vehicles. A combined single limit per occurrence of \$1,000,000 will be obtained.

**Workers Compensation and Employers Liability:** in compliance with the compensation laws of the State of Rhode Island. Coverage shall include Employers Liability Insurance with minimum limits of \$100,000 each accident, \$500,000 disease or policy limit, \$100,000 each employee.

There shall be no cancellation, material change, potential exhaustion of aggregate limits or non-renewal without thirty days (30) written notice from the contractor or its insurer(s). Failure to comply with the reporting provisions of this clause shall be grounds for immediate termination of any contract issued pursuant to MPA-494.

When the above information has been obtained, the state agency will send the following documentation to the Division of Purchases and request that a purchase order be issued:

- A Zero Dollar Requisition to Include Project Amount as a text attachment internal to the requisition.
- Scope of Work
- Three responsive quotes received, plus identification of other quotes solicited and result
- Memorandum Signed by Agency Summarizing Responses and Recommending Vendor
- Copy of notification letter\*
- Copy of signed project agreement
- MBE Compliance for the project engagement.\*

\*These documents are posted in “Agency Information” Center – Division of Purchases website, “MPA-494 Folder”.

## **DISCIPLINES- Scopes of Work**

### **A. Architectural Services:**

Typical architectural services may include, *inter alia*, the following:

- Evaluations of existing building interior and exterior conditions.
- Design of new buildings or renovation of existing buildings from conceptual through construction administration, not limited to preparation of specifications and drawings, cost estimates, review of construction change orders and payment requisitions, and assisting the owner in close out documentation tracking and final submission.
- Furniture, fixture and equipment (FF&E) services.
- Provide construction administration services as needed, including, but not limited to: attendance at pre-bids conferences; assistance with vendor questions and responses; evaluation of bid proposals; and, review and recommendation for award and preparation of appropriate agreements.

## **B. Structural Engineering Services:**

Typical structural engineering services may include, *inter alia*, the following:

- Assessment of an existing building.
- Preparation of an evaluation and plan of action report on the existing buildings structural deficiencies.
- Cost estimates
- Prepare procurement documents such as bid package for repairs, including but not limited plans and specifications and all necessary testing.
- Coordination with authorities having jurisdiction over an agency's project .
- Construction administration services as needed, including, but not limited to: attendance at pre-bids conferences; assistance with vendor questions and responses; evaluation of bid proposals; and, review and recommendation for award and preparation of appropriate agreements.

## **C. Civil Engineering Services:**

Typical civil engineering services may include, *inter alia*, the following:

- Preparation of site plans, including surveys, soil borings, and testing as required. Site plans may include, *inter alia*, existing elements such as telephone poles, railings, steps, vegetation, contours, utilities, underground structures, roadways, drainage and delineation of any areas under Department of Environmental Management jurisdiction.
- Cost estimates
- Civil design plans may include, *inter alia*, physical elements such as roadways, sidewalks, landscaping, fencing, drainage, curbing, parking, OWTS and above ground utility relocation.
- Preparation of procurement documents such as bid packages for repairs, including but not limited to plans and specifications and all necessary testing.
- Coordination with authorities having jurisdiction over an agency's project.
- Construction administration services as needed, including, but not limited to: attendance at pre-bid conferences; assistance with vendor questions and responses; evaluation of bid proposals; and, review and recommendation for award and preparation of appropriate agreements.

## **D. Mechanical Engineering Services:**

Typical mechanical engineering services may include, *inter alia*, the following:

- Evaluations of existing system conditions and components with regard to their suitability for either existing service or a proposed change in condition or service.
- Conceptual studies of the impacts of adding and/or removing buildings to/from the distribution network. These studies may include conceptual designs of switchgear, components or configurations to accommodate added loads.
- Development and/or maintenance of a map of the distribution system using an Autocad compatible computerized drawing package. This product must be made available to the user agency in both a hard copy and in an electronic format with read/write capabilities.
- Collaboration with utility companies to achieve any cost reductions possible from rebate programs for energy efficient design.
- Preparation of plans for the replacement of selected system components that have been deemed by the user agency to be at risk of imminent failure.

- Preparation of procurement documentation such as requests for proposals and related bid documents.
- Construction administration services as needed, including, but not limited to: attendance at pre-bid conferences; assistance with vendor questions and responses; evaluation of bid proposals; and, review and recommendation for award and preparation of appropriate agreements.

#### **E. Electrical Engineering Services:**

Typical electrical engineering services may include, *inter alia*, the following:

- Evaluations of existing system conditions and components with regard to their suitability for either existing service or a proposed change in condition or service.
- Conceptual studies of the impacts of adding and/or removing buildings to/from the distribution network. These studies may include conceptual designs of switchgear, components or configurations to accommodate added loads.
- Development and/or maintenance of a schematic of the distribution system using an Autocad compatible computerized drawing package. This product must be made available to the user agency in both a hard copy and in an electronic format with read/write capabilities.
- Collaboration with public utilities to achieve any cost reductions possible from rebate programs for energy efficient design.
- Preparation of plans for the replacement of selected system components that have been deemed by the user agency to be at risk of imminent failure.
- Preparation of procurement documentation such as requests for proposals and related bid documents.
- Provide construction administration services as needed, including, but not limited to: attendance at pre-bid conferences; assistance with vendor questions and responses; evaluation of bid proposals; and, review and recommendation for award and preparation of appropriate agreements.

#### **F. Plumbing Engineering Services:**

Typical plumbing engineering services may include, *inter alia*, the following:

- Evaluations of existing system conditions and components with regard to their suitability for either existing service or a proposed change in condition or service.
- Conceptual studies of the impacts of adding and/or removing buildings to/from distribution networks. These studies may include designs of boilers, hot water tanks, wells, hydraulic analysis to ensure adequate pressure, pumps, waste water lines drainage, vents and all necessary connections to either OWTS or municipal water or sewer systems.
- Development and/or maintenance of a schematic of the distribution system using an Autocad compatible computerized drawing package. This product must be made available to the user agency in both a hard copy and in an electronic format with read/write capabilities.
- Preparation of plans for the replacement of selected system components that have been deemed by the user agency to be at risk of imminent failure.
- Preparation of procurement documentation such as requests for proposals and related bid documents.
- Construction administration services as needed, including, but not limited to: attendance at pre-bid conferences; assistance with vendor questions and responses; evaluation of bid proposals; and, review and recommendation for award and preparation of appropriate agreements.

### **G. Fire Alarm and Fire Suppression/Sprinkler System Engineering Services:**

Typical fire alarm and fire suppression/sprinkler systems engineering services may include, *inter alia*, the following:

- Design of a code compliant fire alarm system, including but not limited to, a complete evacuation system and communication links to fire departments.
- Design of a code compliant fire suppression/sprinkler system.
- Upgrade the existing systems to account for the devices that may be omitted or retained.
- Assist the user agency in providing documentation to the Rhode Island Fire Code Board of Appeal for possible time extension and necessary variances.
- Monitor the installation of fire alarm and/or fire suppression/sprinkler systems; and provide the required documentation to all parties involved with the project through its various stages.
- Documentation required to accept and supply information on systems maintenance.
- Construction administration services as needed, including, but not limited to: attendance at pre-bid conferences; assistance with vendor questions and responses; evaluation of bid proposals; and, review and recommendation for award and preparation of appropriate agreements.

### **STATE AGENCIES PLEASE TAKE NOTE:**

No Vendor shall provide services or begin work unless and until a valid Purchase Order approved by the Agency has been issued and received by Vendor. In no event shall a Vendor deliver goods or provide services until such time as a duly authorized release document is certified by the ordering Agency. A Vendor will not be entitled to any payment for services rendered or work completed outside of this policy.

- In accordance with R.I. Gen. Laws § 37-2-54(c), “No purchase or contract shall be binding on the state or any agency thereof unless approved by the department [of Administration] or made under general regulations which the Chief Purchasing Officer may prescribe.”
- Under State Purchasing Regulation 8.2.1.1.2, “Any alleged oral agreement or arrangements made by a bidder or contractor with any agency or an employee of the Office of Purchases may be disregarded and shall not be binding on the state.”
- State Purchasing Regulation 8.7.1 – “All agreements and changes to scope of work, price, or other terms shall be incorporated into purchase orders via “change order” documents incorporating contract amendments.”
- State Purchasing Regulation 8.7.2 – “Change Orders issued by the Office of Purchases shall be the only binding documents which may create a change in a purchase order.”
- State Purchasing Regulation 8.7.3 – “Personnel shall not commit the state to technical / contractual changes to purchase orders without first securing all necessary approvals.”

### **Attachments:**

Attachment A – Project Phases Guide  
Attachment B – Request for Quote “RFQ” Sample  
Attachment C – Notification Letter “Sample”

### **Division of Purchases Contact:**

George Welly  
Interdepartmental Project Manager  
(401) 574-8156  
[george.welly@purchasing.ri.gov](mailto:george.welly@purchasing.ri.gov)



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

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Website: [www.purchasing.ri.gov](http://www.purchasing.ri.gov)

## Project Phases Guide - Small to Medium Scale

The following information is provided as a guide for project phases typical of small to medium scale projects for which Architectural and Engineering Services may be provided under MPA#494

### **Schematic Design Phase:**

During the first phase—schematic design—a vendor consults with the owner to determine project goals and requirements. Often this determines the program for the project.

The *program* is the term used to define the required functions of the project. It should include estimated square footage of each usage type and any other elements that achieve the project goals.

During schematic design, a vendor commonly develops study drawings, documents, or other media that illustrate the concepts of the design and include spatial relationships, scale, and form for the owner to review. Schematic design also is the research phase of the project, when zoning requirements, jurisdictional restrictions, and building and fire code issues are discovered and addressed.

This phase produces a final schematic design, to which the owner agrees after consultation and discussions with the vendor. Costs may be estimated based on overall project volume. The design then moves forward to the design development phase.

Deliverables: Schematic design often produces a site plan, floor plan(s), sections, an elevation, and other illustrative materials; computer images, renderings, or models. Typically the drawings include overall dimensions, and a construction cost may be estimated.

### **Design Development Phase “DD”:**

Design development services use the initial design documents from the schematic phase and take them one step further. This phase lays out mechanical, electrical, plumbing, structural, and architectural details.

Typically referred to as DD, this phase results in drawings that often specify design elements such as material types and location of windows and doors, etc. The level of detail provided in the DD phase is determined by the owner’s request and the project requirements. The DD phase often ends with a presentation to, and approval by, the owner.

Deliverables: Design development often produces floor plans, sections, and elevations with full dimensions. These drawings typically include door and window details and outline material specifications.

**Construction Documentation Phase “CD”:**

Once the owner and vendor are satisfied with the documents produced during DD, the vendor moves forward and produces drawings with greater detail. These drawings typically include specifications for construction details and materials.

Once Construction Documents (CDs) are satisfactorily produced, the vendor delivers the stamped, signed documents to the owner, for permitting and bidding. The level of detail in CDs may vary depending on the owner’s preference. If the CD set is not 100-percent complete, this should be noted on the CD set when it is sent out for bid. This phase results in the contractors’ final estimate of project costs

Deliverables: The construction document phase produces a set of drawings that include all pertinent information required for a contractor to price and build the project.

**Bid or Negotiation Phase:**

The first step of this phase is preparation of the bid documents to go out for public bid. The bid document set includes an advertisement for bids, instructions to bidders, the bid form, bid documents, the owner-contractor agreement, labor and material payment bond, and any other sections necessary for successful price bids. For some projects that have unique aspects or complex requirements, the owner will have a mandatory prebid meeting for potential contractors.

The owner, with the help of the vendor (if required), evaluates the bids and selects a winning bid.

Deliverables: The final deliverable is a construction contract.

**Construction Administration Phase “CA”:**

Construction administration (CA) services are rendered at the owner’s discretion and should be outlined in the owner-vendor agreement. Different owner-vendor-contractor agreements require different levels of services on the vendor’s part. CA services begin with the initial contract for construction and terminate when the final certificate of payment is issued.

The vendor’s core responsibility during this phase is to help the contractor to build the project as specified in the CDs as approved by the owner. Questions may arise on site that require the vendor to develop sketches or respond to requests for information (RFIs). Different situations may require a Change Order to complete the project.

Deliverables: A successfully built and contracted project.



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

INSERT DEPARTMENT HERE  
INSERT DIVISION HERE  
INSERT ADDRESS HERE  
PHONE FAX  
TDD

Request for Quote "RFQ" - Architectural & Engineering Services, PROJECT NAME- LOCATION, RI

Solicited under State of Rhode Island Master Price Agreement # 494

DATE OF REQUEST FOR QUOTE

INSERT DATE OF REQUEST FOR QUOTE

PROPERTY DESCRIPTION

INSERT PROPERTY DESCRIPTION

HISTORY/BACKGROUND

INSERT HISTORY AND BACKGROUND

INTENT

INSERT THE INTENT

A SELECT mandatory/non-mandatory site walkthrough will be conducted at INSERT LOCATION.  
INSERT DATE->

Questions regarding this Request for Quote are due to the INSERT AGENCY no later than  
INSERT DATE->

Vendor Submissions are due via email or hardcopy to the INSERT AGENCY no later than  
INSERT DATE->

Division contact:

NAME, TITLE 401-XXX-XXXX email: email.address@XXX.ri.gov

The following design services will be required:

1. INSERT REQUIRED DESIGN SERVICES

Anticipated Project Phases:

1. INSERT DESIGN PHASES

Example phases include:

- Schematic Design Phase
- Design Development Phase
- Construction Documentation Phase
- Bid Phase
- Construction Administration Phase

Preliminary Schedule:

1. LIST SCHEDULE AND DURATIONS

**Pricing:**

Vendors are requested to provide pricing in the following format:

1. Provide a lump-sum fixed fee for the work described above \$ \_\_\_\_\_
2. Provide an hourly breakdown of the above lump-sum fixed fee for all personnel roles associated with the project (including primary and secondary).

Personnel	Hourly Rate	Number of Hours
_____	_____	_____
_____	_____	_____

**Attachments:**

1. INSERT ATTACHMENT LIST IF APPLICABLE \_\_\_\_\_

AGENCY LETTERHEAD

SAMPLE NOTIFICATION LETTER

DATE

NAME  
COMPANY NAME  
ADDRESS  
CITY, STATE ZIP

Sent Via Electronic and Regular Mail  
E-MAIL ADDRESS

Re: MPA-494 ARCHITECTURAL AND ENGINEERING SERVICES

Offered Price, lump- sum fixed- fee engagement: \$

Dear

This letter is to notify you that STATE AGENCY is authorized to begin contract negotiations with VENDOR NAME for the above project.

Please provide the following documentation within twenty-one (21) calendar days of this Notice (**Date**). The project cannot commence until a purchase order is issued by the State of Rhode Island, Division of Purchases. This purchase order is your "Notice to Proceed." **Failure to provide the required information within twenty-one calendar days from the date of this communication may result in your disqualification of contract award consideration.**

- An agreement outlining the scope and special terms & conditions covering the work, *executed by both the Agency Chief Executive and an authorized agent of your firm.* Contact AGENCY CONTACT at (TEL. #) or AGENCY E-MAIL.
  
- A completed "Minority Business Enterprise Plan." For further information, call Dorinda Keene at (401) 574-8253 or [dorinda.keene@doa.ri.gov](mailto:dorinda.keene@doa.ri.gov).

Sincerely,

AGENCY  
CONTACT  
TITLE

cc: MBE

**Architectural and Engineering Vendor Rankings by Discipline**

<b>ARCHITECTURE</b>	<b>Avg. Primary Rates</b>	<b>Cost Score</b>	<b>Tech Score</b>	<b>Total Score</b>	<b>Rank</b>
Durkee, Brown, Viveiros and Werenfels	\$ 85.00	25.1	68.6	93.7	1
Lerner/Ladds + Bartels, Inc.	\$ 95.00	22.4	67.4	89.8	2
Vision III Architects, Inc.	\$ 91.67	23.2	63.2	86.4	3
Brewster Thornton Group Architects, LLP. *	\$ 125.00	17.0	68.8	85.8	4
L.A. Torrado Architects **	\$ 71.00	30.0	55.6	85.6	5
New England Medical Design Inc.	\$ 118.33	18.0	66.8	84.8	6
Saccoccio And Associates	\$ 101.67	21.0	61.8	82.8	7
Union Studio Architecture & Community Design	\$ 105.00	20.3	62.4	82.7	8
Blount Bennett Architects, Ltd	\$ 88.33	24.1	57.4	81.5	9
Robinson Green Beretta Corporation	\$ 94.00	22.7	55.7	78.4	10
William Starck Architects, Inc.	\$ 103.33	20.6	56.4	77.0	11
Aharonian & Associates, Inc	\$ 102.00	20.9	55.6	76.5	12
CDR Maguire Inc	\$ 106.67	20.0	56.4	76.4	13
Fletcher Thompson Architecture Engineering, LLC.	\$ 155.00	13.7	62.2	75.9	14
Yoder + Tidwell, Ltd.	\$ 113.33	18.8	55.8	74.6	15
Edward Rowse Architects, Inc.	\$ 120.00	17.8	55.7	73.5	16
Graham/Meus Inc. Architects	\$ 133.33	16.0	56.4	72.4	17
StudioJAED	\$ 126.67	16.8	55.4	72.2	18
Thomas Lonardo & Associates.	\$ 143.34	14.9	55.6	70.5	19
Northeast Collaborative Architects	\$ 150.00	14.2	56.0	70.2	20
<b>CIVIL ENGINEERING</b>	<b>Avg. Primary Rates</b>	<b>Cost Score</b>	<b>Tech Score</b>	<b>Total Score</b>	<b>Rank</b>
Crossman Corporation dba Crossman Engineering, Inc.	\$ 89.67	27.32	67.00	94.3	1
CDR Maguire Inc	\$ 100.00	24.50	66.80	91.3	2
Vanasse Hangen Brustlin, Inc.	\$ 106.67	22.97	66.60	89.6	3
Commonwealth Engineers & Consultants Inc.	\$ 93.33	26.25	61.80	88.1	4
Louis Berger Group Inc.	\$ 121.41	20.18	66.20	86.4	5
Gordon R. Archibald, Inc.	\$ 126.67	19.34	66.80	86.1	6
Cataldo Associates, Inc.	\$ 81.67	30.00	55.40	85.4	7
Fuss & O'neill Inc.	\$ 110.00	22.27	62.80	85.1	8

**Architectural and Engineering Vendor Rankings by Discipline**

<b>CIVIL ENGINEERING (Continued)</b>	<b>Avg. Primary Rates</b>	<b>Cost Score</b>	<b>Tech Score</b>	<b>Total Score</b>	<b>Rank</b>
Beta Group Inc.	\$ 131.67	18.61	66.40	85.0	9
C & E Engineering Partners, Inc.	\$ 83.33	29.40	55.40	84.8	10
Joe Casali Engineering, Inc.	\$ 90.00	27.22	56.00	83.2	11
Pare Corporation	\$ 125.00	19.60	61.40	81.0	12
Jacobs Engineering Group Inc.	\$ 142.16	17.23	61.80	79.0	13
Resource Control Associates Inc.	\$ 108.33	22.62	56.20	78.8	14
Gza Geoenvironmental Inc.	\$ 110.00	22.27	56.20	78.5	15
Caputo & Wick Ltd	\$ 110.00	22.27	56.00	78.3	16
RT Group Inc.	\$ 111.67	21.94	55.80	77.7	17
ESS Group, Inc.	\$ 120.00	20.42	55.60	76.0	18
Mcmahon Associates Inc.	\$ 121.67	20.14	55.40	75.5	19
DiPrete Engineering Associates Inc.	\$ 141.67	17.29	56.80	74.1	20
<b>ELECTRICAL ENGINEERING</b>	<b>Avg. Primary Rates</b>	<b>Cost Score</b>	<b>Tech Score</b>	<b>Total Score</b>	<b>Rank</b>
Aspen Design Group, LLC.	\$ 86.66	30.00	61.00	91.0	1
Creative Environment Corp.	\$ 100.00	26.00	61.40	87.4	2
Fuss & O'neill Inc.	\$ 110.00	23.63	62.20	85.8	3
Engineering Design Servicees, Inc.	\$ 100.00	26.00	56.40	82.4	4
Jacobs Engineering Group Inc.	\$ 154.70	16.81	62.00	78.8	5
Building Engineering Resources, Inc.	\$ 123.33	21.08	55.60	76.7	6
StudioJAED	\$ 126.67	20.52	56.00	76.5	7
<b>FIRE/ SPRINKLER ENGINEERING</b>	<b>Avg. Primary Rates</b>	<b>Cost Score</b>	<b>Tech Score</b>	<b>Total Score</b>	<b>Rank</b>
Aspen Design Group, LLC.	\$ 86.66	30.00	61.60	91.6	1
Hughes Associates, Inc.	\$ 135.00	19.26	68.60	87.9	2
Creative Environment Corp.	\$ 100.00	26.00	61.40	87.4	3
Engineering Design Servicees, Inc.	\$ 100.00	26.00	56.40	82.4	4
Jacobs Engineering Group Inc.	\$ 150.83	17.24	61.60	78.8	5
Wilkinson Associates Inc	\$ 130.00	20.00	57.20	77.2	6
Building Engineering Resources, Inc.	\$ 123.33	21.08	55.60	76.7	7
StudioJAED	\$ 126.67	20.52	56.00	76.5	8

**Architectural and Engineering Vendor Rankings by Discipline**

<b>MECHANICAL ENGINEERING</b>	<b>Avg. Primary Rates</b>	<b>Cost Score</b>	<b>Tech Score</b>	<b>Total Score</b>	<b>Rank</b>
Aspen Design Group, LLC.	\$ 86.66	30.00	61.60	91.6	1
Coldmasters Temperature Control	\$ 88.33	29.43	61.00	90.4	2
Arden Engineering Constructors LLC	\$ 96.67	26.89	61.80	88.7	3
Creative Environment Corp.	\$ 100.00	26.00	61.40	87.4	4
Engineering Design Servicees, Inc.	\$ 100.00	26.00	56.40	82.4	5
Fuss & O'neill Inc.	\$ 135.33	19.21	62.00	81.2	6
Jacobs Engineering Group Inc.	\$ 148.92	17.46	62.00	79.5	7
Building Engineering Resources, Inc.	\$ 123.33	21.08	55.60	76.7	8
Wilkinson Associates Inc	\$ 130.00	20.00	56.60	76.6	9
StudioJAED	\$ 126.67	20.52	56.00	76.5	10
<b>PLUMBING ENGINEERING</b>	<b>Avg. Primary Rates</b>	<b>Cost Score</b>	<b>Tech Score</b>	<b>Total Score</b>	<b>Rank</b>
Aspen Design Group, LLC.	\$ 83.00	30.00	61.00	91.0	1
Creative Environment Corp.	\$ 100.00	24.90	62.00	86.9	2
Engineering Design Servicees, Inc.	\$ 100.00	24.90	56.40	81.3	3
Jacobs Engineering Group Inc.	\$ 150.83	16.51	62.60	79.1	4
Wilkinson Associates Inc	\$ 130.00	19.15	57.20	76.4	5
StudioJAED	\$ 126.67	19.66	56.20	75.9	6
Building Engineering Resources, Inc.	\$ 123.33	20.19	55.60	75.8	7
<b>STRUCTURAL ENGINEERING</b>	<b>Avg. Primary Rates</b>	<b>Cost Score</b>	<b>Tech Score</b>	<b>Total Score</b>	<b>Rank</b>
Aspen Design Group, LLC.	\$ 86.66	30.00	61.20	91.2	1
Commonwealth Engineers & Consultants Inc.	\$ 110.00	23.63	66.00	89.6	2
Pare Corporation	\$ 125.00	20.80	62.40	83.2	3
Fuss & O'neill Inc.	\$ 125.00	20.80	61.20	82.0	4
Odeh Engineers, Inc.	\$ 166.67	15.60	66.30	81.9	5
Jacobs Engineering Group Inc.	\$ 147.87	17.58	62.80	80.4	6
Gza Geoenvironmental Inc.	\$ 110.00	23.63	55.40	79.0	7
RT Group Inc.	\$ 111.67	23.28	55.40	78.7	8
Yoder + Tidwell, Ltd.	\$ 118.33	21.97	56.60	78.6	9