



**A-E Services for the
WV State Emergency
Crisis Operations Center**



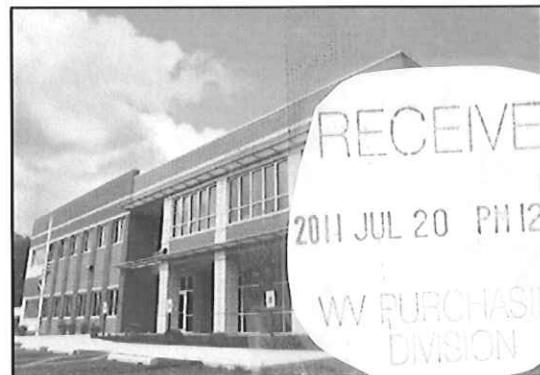
**WV Army National Guard
Charleston, West Virginia**



State of West Virginia

RFQ Number: DEFK11031

July 21, 2011





July 18, 2011

Ms. Tara Lyle
Department of Administration
Purchasing Division, Building 15
2019 Washington Street, East
Charleston, WV 25305-0130

Re: **RFQ Number DEFK11031** - Expression of Interest
State Emergency Crisis Operations Center
WV Army National Guard
Charleston, West Virginia

Dear Ms Lyle:

Paradigm Architecture is pleased to respond to the Request for Expressions of Interest to provide professional architectural and engineering services for the design of the new Army National Guard State Emergency Crisis Operations Center. We have teamed with Grimm + Parker Architects and All Hands Consulting, a **National Expert in Comprehensive Emergency Management Planning and Design**, to provide the combined skills, experience and expertise that we believe will be required to make this important project a success for the West Virginia Army National Guard.

Our associate architect, *Grimm + Parker Architects*, is a 70-person regional architecture firm recognized for the **exceptional quality of their construction documents, quality control processes and detailing on projects similar to the State Emergency Crisis Operations Center**. Led by Principal-in-Charge Ken Jones, AIA, LEED AP, Grimm + Parker brings four decades of experience performing feasibility studies, cost/benefit analyses and full design services on large, complex institutional projects. With more than 50 architects on staff including 35 LEED accredited professionals, Grimm + Parker will enhance our capabilities, perform quality control reviews, provide LEED consulting services and support the Paradigm team as we work with the West Virginia Army National Guard to successfully deliver a **high-quality and well-designed State Emergency Crisis Operations Center**.

We are extremely excited to have on our team *All Hands Consulting*, led by Mr. Steve Davis, a national expert in Emergency Crisis Management. All Hands has worked with over **140 federal, state, local, and private sector organizations** across the United States including FEMA, the Department of Veterans Affairs, and the Executive Office of the President. They are currently working with the **West Virginia School Building Authority** to perform school safety and vulnerability assessments for every school in our State. Because of their recognition as Emergency Management and EOC experts, All Hands Consulting was invited to serve as a **contributing source of expertise for the development of the DoD's UFC 4-141-04**, the document used by the United States Military as a guideline for planning and designing all of their Emergency Operation Centers.

In addition to the qualifications described above, we are honored to have as a member of the Paradigm team LT Paul "Wes" Ruggles, CEC, USN, AIA, who will be supporting the project team as a lead architect with Grimm + Parker. LT Ruggles is an active CEC Officer in the US Navy Reserve and is **dual warfare qualified**, having served two combat tours: Iraq as an IA with the Marines in 2006 and Afghanistan with the Navy in 2010. **While in Afghanistan, LT Ruggles coordinated the design and construction of several relevant facilities including Tactical Operations Centers and Joint Combat Operations Centers for the US Army.**

We believe that the Paradigm team is uniquely suited to work with the West Virginia Army National Guard to design this important project and we feel that we have brought together the precise skills, experience and expertise required to make **your new State Emergency Crisis Operations Center a success**. We appreciate your consideration of our qualifications and would be pleased to answer any questions and further participate in the interview process.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul A. Walker".

Paul A. Walker, AIA, President
Paradigm Architecture

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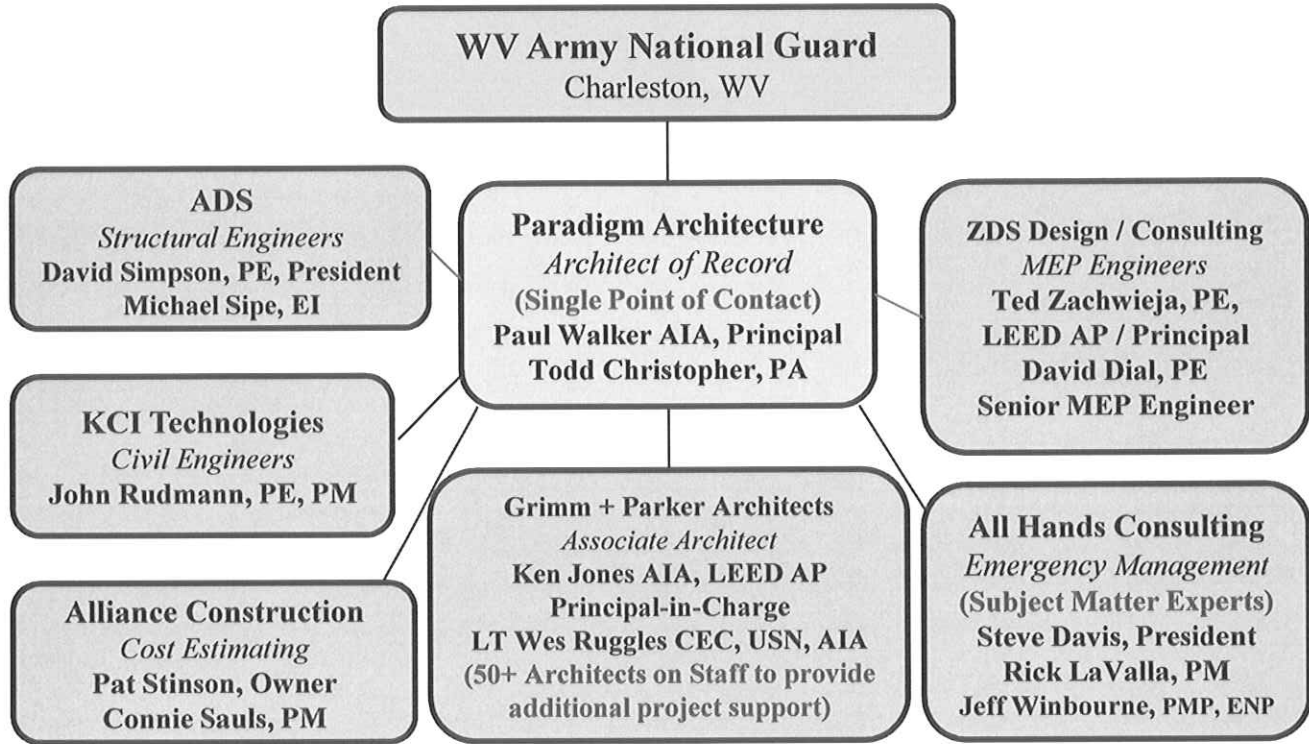
LETTER OF TRANSMITTAL

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DESIGN TEAM CAPABILITIES – ORGANIZATIONAL DIAGRAM



DESIGN TEAM RELATIONSHIP

Paradigm Architecture of Morgantown, West Virginia, will be the Architect of Record, the Primary Point of Contact for this project and will hold the Prime Contract with the National Guard for the new State Emergency Crisis Operations Center. We have assembled a design team customized for your project to perform architectural, civil, structural, MEP, and cost estimating services. We are also excited to be able to bring All Hands Consulting on board and we are confident that **their global perspective and depth of knowledge in Emergency Management, EOC and Fusion Center design will greatly benefit this project.** Paradigm will hold all subcontracts with our consultants.

Management / Flow of Information - All correspondence, questions and other information will be sent to Paradigm. We will then distribute items to the appropriate team member. Answers or supplementary information will be sent from the team member back to Paradigm to be returned to the National Guard. From the Guard's perspective, the entire process will be seamless with **Paradigm acting as your single point of contact.**

The Right Team with the Right Expertise - The benefit of selecting an Architecture firm and a hand-picked design team is the Architecture firm's **ability to assemble a group of experts custom tailored to the exact needs of your project.** For the State Emergency Crisis Operations Center, we believe we have done exactly that. With our core West Virginia design team supported by Grimm + Parker's experience and vast capabilities to help meet the logistical needs of this project and All Hands Consulting's national expertise in emergency management, EOC and fusion center design we truly feel that **we have put together the right team with the right experience to make this project a success for everyone involved.**



BACKGROUND & EXPERTISE

Paradigm Architecture - Was founded on the idea that our firm will set the example of what clients should expect when working with an architectural firm. Paradigm Architecture opened our Morgantown, West Virginia, office in 2002. Our current staff of eleven includes five registered architects, one intern architect, three CAD/BIM technicians, and two administrative assistants. We utilize the most current technology including AutoCAD, Revit, 3D site and building rendering programs, and Spec-link specifications software.

Since opening our office, Paradigm Architecture has gained experience in a broad range of building types and size of projects. Our work includes governmental, educational, and institutional projects. We are proud to have been involved in numerous projects which have been honored with **Excellence in Construction awards by the Associated Builders & Contractors**. Some of these projects in the past few years include:

- 2010 – Morgantown Event Center, Morgantown, WV
- 2010 – General Services Administration USDA Office Building, Morgantown, WV
- 2010 – West Virginia University Transportation Center and Garage, Morgantown, WV
- 2007 – Waterfront Marina, Morgantown, WV
- 2007 – Chestnut Ridge Church, Morgantown, WV

We look forward to working with the National Guard on this important project and demonstrating to your organization our commitment to providing the highest quality service to our clients.

Grimm + Parker Architects – Is a comprehensive architectural design firm based in Calverton, Maryland. Organized in 1972, they have become one of the largest architectural firms in the Washington, DC Metropolitan area. Their 70-person staff includes 50 architects. During the past four decades, Grimm + Parker has experienced steady growth in project size, expertise, technical capability, and sustainable design. They were recently ranked as the **#5 Top Green Design Firm in the Mid-Atlantic Region for 2010**.

As a recognized regional leader in the design of institutional architecture, Grimm + Parker’s success is well represented by **over 200 design awards and numerous repeat clients**. Their earliest clients from over 35 years ago still award projects to Grimm + Parker annually. Their knowledgeable staff brings a great deal of diverse experience to every project with **in-house expertise in the following**:

- Government / Military Facilities
- **30 Feasibility Studies in past 10 years**
- Information / Communication Centers
- Educational / Academic Facilities
- BIM / 3D Modeling & Rendering
- Sustainable Design / LEED Certified Buildings

Established processes and procedures combined with a talented staff enable Grimm + Parker to produce high quality designs and construction documents without sacrificing the personal service that they are known for. The quality of their construction documents and their ability to work collaboratively with all members of the team has resulted in Grimm + Parker being named the **“Architectural Firm of the Year”** for two of the past four years by the Washington, DC Metropolitan Chapter of the Associated Builders and Contractors.

Their mission **“Creating Together Meaningful Architecture + Client Success”** is not just words on their letterhead, but rather a way of practicing architecture that informs everything they do. The result is an enthusiastic, talented group of professionals that enjoy their work and are focused on making each project a success for the client, their internal customers as well as the people who will use the facility.



BACKGROUND & EXPERTISE

ZDS Design / Consulting Services – In 1983, Todd A. Zachwieja founded ZECO Consultants. In 1994 ZDS Limited Liability Company was incorporated in West Virginia using dba ZDS Design/Consulting Services, and was founded to provide high quality MEP design and consulting services. Today ZDS has four principals with over 100 years of technical expertise. Each new project is assigned to a **principal in-charge who will follow the project from inception through completion**. ZDS provides comprehensive MEP design and services. Their experience and specialties in indoor air quality, energy management and commissioning, along with traditional mechanical and electrical design experience date back as far as 1958.

ZDS believes in the team approach when providing engineering design and consulting services. They start with the client as the number one member on the team. They listen to the needs and concerns of the client and that becomes the basis for the design. ZDS assigns the production staff according to the nature of the project and the work force necessary to meet the schedule. The Principal in charge of that project determines if consultants are needed and coordinates all areas. After bidding, a Principal of ZDS coordinates visits to the job site regularly, all the way through the post-warranty inspection. **The ZDS design team reviews the entire project and develops “A Total MEP Design Solution.”**

Allegheny Design Services (ADS) - ADS was established by David Simpson, P.E., MBA, in 2002 as a result of a need in North Central West Virginia for reliable structural engineering services. **ADS utilizes a combination of office technology and a motivated staff to deliver projects typically up to \$25 million in construction value.** ADS has completed design work for over \$300 million in construction since their inception. Their clients include architects, contractors, developers, attorneys, and insurance companies.

Allegheny Design Services is a consulting engineering firm specializing in structural building design and building analysis. Dedicated to serving West Virginia and the surrounding region, ADS recognizes the need for reliable and full service structural engineering support. ADS provides all phases necessary for the successful completion of a building project including schematic design studies, design development, construction documents and specifications, and construction administration. They currently hold licenses in West Virginia, Pennsylvania, Maryland, Virginia, District of Columbia, South Carolina, and Ohio. **ADS’ experience exceeds twenty-five years in the design and project management** of commercial, industrial, institutional, and educational facilities. Building systems delivered by ADS include structural steel, reinforced concrete, precast concrete, and structural timber. ADS currently utilizes the latest engineering design and BIM software for the development of project work.

KCI Technologies - Is one of the nation's leading full-service engineering firms and is consistently ranked among the top 100 engineering firms in the country by Engineering News Record. With a professional staff of engineers, planners, surveyors, and construction managers, they offer a broad range of engineering services, including civil, structural, transportation, environmental, hazardous waste, electrical, telecommunications, and soils.

KCI has been working throughout the State of West Virginia for more than 10 years and is familiar with the conditions and infrastructure all around the State. Their local office has a wide range of experience working with various state agencies, as well as private developers and contactors including WVDOH and USDA Rural Development. KCI’s engineers understand and advocate for the needs of rural communities and public service districts. They have the knowledge to aid the National Guard in all aspects of this project including but not limited to preliminary study, preliminary design, final design, bidding services and construction administration.

The firm's integrated approach to automating design, drafting, documentation, and presentation minimizes costs, facilitates coordination among engineering disciplines, and expedites the production of high-quality documents.



RESOURCES AVAILABLE FOR COMPLETING THIS PROJECT

Paradigm Architecture – Is conveniently located just a short distance from Charleston. Our staff includes five registered architects and support staff. The team we have proposed for this project is **highly qualified and will stay with the project from beginning to end**. Paradigm's talented architects have completed award-winning projects of various sizes and complexity with construction values up to \$35M.

However, as previously indicated, we feel that this project is so important to the State of West Virginia that we believe it is best to supplement our own resources by teaming with a larger architectural firm to ensure that the combined depth of experience and knowledgeable staff will be exactly what is required to complete this project in a manner that is successful for the National Guard, the design team and all stakeholders.

Paradigm Architecture utilizes the exact same technology as our Associate Architects Grimm + Parker. This technology includes AutoCAD, Revit and 3D modeling / rendering software. Both firms use Spec-link for generating project specifications. We have in-house CAD/BIM technicians to maintain our computer system and ensure that **the documents we produce are of the highest quality and are in accordance with industry and government standards**.

We believe that Paradigm and Grimm + Parker have similar cultures, approach client service in a similar manner and strive for excellence in the design solutions and documentation that we produce. Combine our strengths with the expertise of All Hands Consulting and the other specialty engineers and we feel that we have assembled a team with the exact resources needed to successfully complete this project to the level of quality that we know the National Guard expects.

Grimm + Parker Architects – With 50 architects on staff (**many with 20 or more years of experience**), 35 LEED accredited professionals, a full-time specifications writer, a full-time code reviewer and QC manager, the most current technology including AutoCAD, Revit and 3D modeling software and three full-time IT specialists (one of which teaches at AutoCAD University), **Grimm + Parker has the resources available to support the team**, provide thorough QC reviews, and help in any way necessary to meet even the most aggressive schedule.

Many of the architects at Grimm + Parker have worked for the firm for their entire careers and fully understand the company's expectations of quality and the culture of working together with clients and other team members. **Grimm + Parker currently has more than 20 project managers with the experience and the capability to successfully manage \$40M to \$100M projects**. The balance of the architectural staff have typically worked as team members on projects of that same scale. With that quantity of qualified architects in the firm, Grimm + Parker is committed to assigning a team to a project that will **stay with that project from the Programming Phase through the Closeout Phase**.

Also, the firm strongly believes in promoting from within so the project leaders have the depth of experience and understanding of Grimm + Parker's standards, QC procedures and overall process necessary to anticipate potential obstacles and the knowledge to know how to avoid them. In fact, Steve Parker joined the company in the late 1960s as a graduate student intern working for his future partner, Clyde Grimm. The result of this approach is a knowledgeable staff and project leaders who understand how to lead a proactive process that **consistently results in quality facilities completed with very few issues and within the client's established budget and schedule**.



RESOURCES AVAILABLE FOR COMPLETING THIS PROJECT

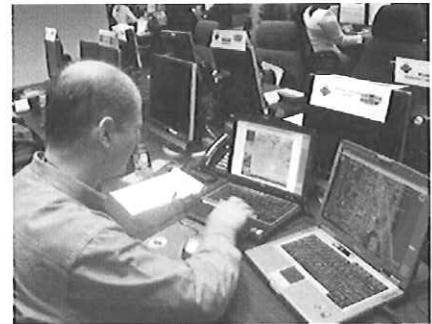
All Hands Consulting – Will bring a global perspective and decades of experience working in the field of Emergency Management to your project. All Hands Consulting, led by Mr. Steve Davis, has access to a **network of more than 1,000 of the leading Emergency Management, crisis and business continuity experts in North America and around the world.** This incredible breadth of knowledge and experience will enable all stakeholders to make informed decisions in the early phases of the design creating a solid “foundation” for the development and successful completion of this project.

Steve Davis of All Hands Consulting and Ken Jones of Grimm + Parker have worked together on the design of two Emergency Operations Centers. After a recent work session on an EOC, the client remarked that the process Mr. Davis and Mr. Jones had just guided them through was *“genius...amazing what was accomplished in such a short period of time”* and *“...captured just what we had in mind for our EOC.”* This is the exact same team that is available to work with the WV Army National Guard to design the State Emergency Crisis Operations Center.

ZDS Design / Consulting Services - Presently has 11 MEP engineers on staff.. Additionally, their engineers are cross-trained among the various disciplines, leading to improved communication and overall project efficiency. the ZDS team members have extensive experience with identifying and implementing energy efficient operating and maintenance measures. These are typically low cost or no cost measures. ZDS’ approach to energy conservation comes from directly from the top. **Todd Zachwieja, CEO recently received AEE’s “Legends in Energy” award for his lifetime achievements in energy conservation design.**

Allegheny Design Services (ADS) - The ADS team is committed to providing quality services to the WVANG for the Joint Operations Center. Key to the success of any project is the availability of experienced personnel. The ADS team members have been included by virtue of his or her specific and relevant project experience and because his or her schedule permits maximum utilization under this contract.

KCI Technologies - The resources of the entire KCI team are available for the WVANG should the need arise. Multiple personnel have been provided for in key disciplines identified for this contract, with qualified backup staffing available should additional tasks be added or accelerated schedules be required. Each member of the Team has an excellent record of performing fast track design on numerous public sector projects, including many of the projects cited throughout this submission. To meet project deadlines, team management simply has to draw from the 850 company-wide available civil engineering, environmental, construction management, and technical support staff.



QUALITY CONTROL / QUALITY ASSURANCE

The Paradigm Team understands that public funds are scarce. When they are available, both the Purchasing Agency and the A/E Team must work together to provide the highest quality project for the best value. Throughout the feasibility phase, design phase, and construction phase, we are always aware of the fact that **we have been entrusted as stewards of limited public funds.** We take that trust seriously at every step in the process.

Our team views quality control and quality assurance as a continuous process that begins with the Notice to Proceed and does not end until the project is closed out. We follow four simple concepts that enable us to produce quality documents that are well coordinated and result in very few construction changes. The four concepts we follow are:

1. Collaboration – Our team understands that great projects are the result of great teams. **We encourage all parties to participate in the process.** As service providers, we all value the client’s input on any issue that might be of concern. Only through a positive, collaborative exchange of ideas can we deliver the best quality project possible.



2. Communication – Consistent and **clear communication among all stakeholders is a key factor in the success of our projects.** Our team tracks critical issues throughout the process, assigns a responsible party to each issue, and follows through to confirm that the issue is resolved.

3. Peer Reviews at Every Milestone – Prior to delivering a set of documents to a client, we obtain an advance copy and provide it to another senior project manager to review. Typically, this is a person who is not involved in the project. We have developed a series of QC Checklists for each phase of design based on lessons learned over the past four decades. These lists are the starting point for a Peer Review. But a checklist is no substitute for a second set of eyes. **Simply stated, “two heads are better than one.”** At each successive Peer Review, we will typically begin by back-checking to assure that all prior comments have been addressed.

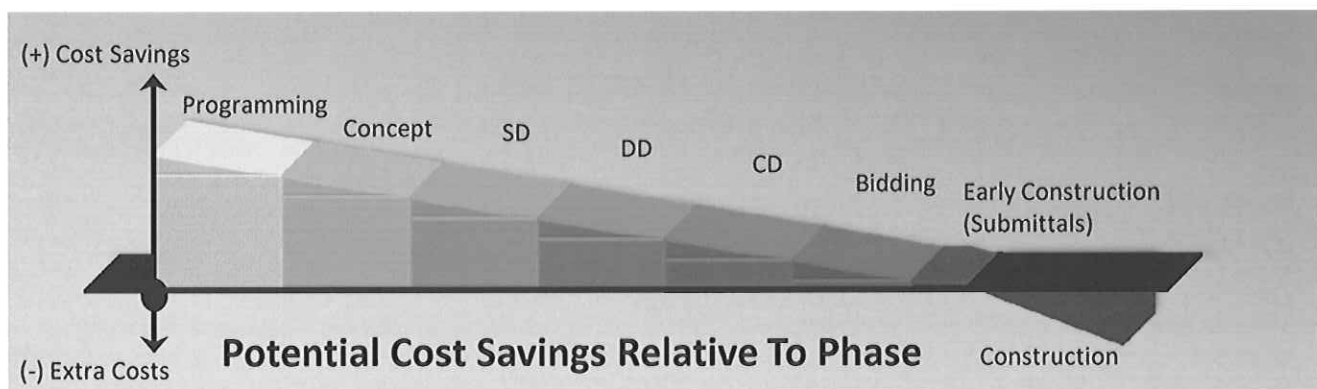
4. Do it Right the First Time - This is a fundamental cornerstone to any quality process. Prior to drawing a single line, we must understand what we are about to draw and how it is represented in real life. If a team member has a question, he or she will ask someone with more experience for assistance. This sounds simple, but with the ease of CAD, incorrect details can spread throughout a set of drawings like a virus if the team is unwilling to ask questions of each other. That is why we have developed **a culture that values a collaborative, trusting approach.** This is the only way we can achieve true quality from the entire team at all levels of experience.



COST MANAGEMENT / COST CONTROL

Cost Management / Cost Control - Similar to quality control, cost management / cost control begins in the earliest phases of design and continues to the end of the project. As the diagram below indicates, **our greatest opportunity to keep costs under control is in the programming, concept and SD phases of the project.** After those phases, systems become set, specifications are written, etc.

The deeper into a project we get, less opportunities will exist for significant savings until we eventually get to a point where the cost to make a change will be greater than the savings realized from the change. Therefore, it is critical that the Programming Phase, Concept Phase and Schematic Design be carefully thought out and executed in a way that expectations are managed, needs are clearly established and stakeholder consensus is achieved to prevent scope creep from occurring later in the process.



PROPOSED APPROACH TO THE PROJECT

Design Philosophy – Our team’s design philosophy recognizes that no two projects or clients are exactly the same. We approach every project as a unique opportunity to listen and learn from our clients about what will make their project a success for them. **We believe in integrating all stakeholders into the design process**, to the extent feasible, beginning in the earliest phases. This collaborative approach allows everyone to become fully engaged in the development of a design solution that will best meet the needs of each member of diverse user groups.

Our team approaches design as a group problem-solving exercise. We are interested in assisting you with discovering what will make the project meaningful for all stakeholders. We do not begin the design process with any pre-conceived solutions but rather let what we hear and learn from you inform the direction of the design.

On this project, we will work with you very early to **understand YOUR vision, YOUR values and YOUR expectations of what will make this project a success for all stakeholders including the community that will depend on this critical facility.** Our team will then work with you to balance the various “needs” and “wants” with the realities of your schedule and your budget. We will offer multiple design solutions that respond to your concerns and will help you accomplish your objectives. With each potential solution, you will be provided with a list of advantages and disadvantages as well as projected construction and operation costs. Our objective is to achieve consensus about the goals of the project and, if compromise is required, agreement about how to allocate limited financial resources to the project for the best outcome. We have used this process on many projects to guide the programming, design, and construction process to a successful solution and **we look forward to helping you accomplish your goals for the new State Emergency Crisis Operations Center.**

PROPOSED APPROACH TO THE PROJECT

Feasibility Study Phase – Our team has performed a combined total of over 30 feasibility studies in the past 10 years. The studies provide alternative design solutions, each with a list of advantages and disadvantages and projected budget costs for both construction and life cycle operations. By providing this information for each alternative scheme, decision makers are better equipped to identify the proposal which results in the best value to meet their objectives.

The key to starting a feasibility study is to gather available data and interview all stakeholders. Conversations, surveys, and meeting dialogs all combine to uncover the “wish list” of desired features to be included (or not included) in the facility. Our team’s proposed plan and methodology to successfully conduct the Feasibility Study Phase of the State Emergency Crisis Operations Center are as follows:

- Existing Conditions Analysis (both sites):** Existing plans of the sites will be graphically used to illustrate pro’s and con’s regarding building location issues, ATFP issues and existing site infrastructure system issues.
- Existing Conditions Analysis (NEUMEDIA building):** Existing plans of the building will be graphically used to illustrate pros and cons regarding program issues, ATFP issues and existing building infrastructure system issues.
- Program of Spaces / Meeting with Stakeholders:** Our team will work with all stakeholders to determine the space requirements for the project as well as determine what will make the project a success for each user of the facility.
- Basic Plan Layouts:** We will then test fit groups of related spaces in the existing NEUMEDIA facility and on the original site. Equipment needs will be identified and concept level costs will be projected along with life cycle operating costs.
- Project Schedule:** The team will evaluate the information and the potential pro’s and con’s of each alternate scheme and develop project schedules for each option.
- Final Recommendations:** Based on all of the information and analysis gathered during the feasibility study phase, we will make a detailed unbiased recommendation for the option that appears to offer the best value, most appropriate functional organization, and long-term operational advantages.

Design Charrette Phase – Our team has performed numerous design charettes with committees ranging in size from a single user to complex multi-user committees with more than 20 agencies represented as stakeholders. We agree with the objectives as stated in 3.2.1.i of the RFQ and propose a similar process.



PROPOSED APPROACH TO THE PROJECT

Schematic Design Phase – Once approved, we will use the concepts generated in the charrette and begin to refine them. As we develop these ideas into schematic-level building designs, we will meet regularly to present the progress and get feedback on what we have developed. Throughout the Schematic Phase, we will be checking probable costs against the established budget and reporting where we believe the range of the project cost will be. This will **allow all stakeholders to understand the costs** and, if it becomes necessary to reduce costs to get back to the budget, everyone will understand why this was required and, typically it will avoid challenges as the process moves forward. Again, our primary objective is to facilitate open communication so that all stakeholders have a clear understanding of the design evolution and consensus is achieved regarding the direction of the design solution.

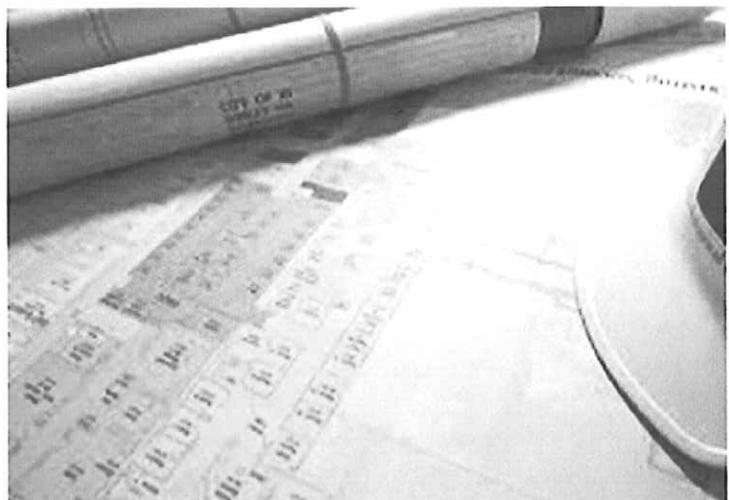
At the end of Schematic Design Phase we will present the preferred option in site plan, floor plans, elevations and building sections. We will also provide a schematic-level code analysis and a written narrative for each major building system. A schematic cost estimate will be submitted along with a schedule to confirm that the project is still on track. We will schedule a couple of weeks for a client review and then the design team will respond to your comments. After the review / response process we will typically want to have a meeting to review and resolve any outstanding issues and obtain approval to proceed to the next phase.

Design Development Phase – Once the Schematic Phase is complete, the basic design of the building will have been established. As we move into Design Development, any information needed from the client will be requested, loads will be determined, soil borings will be performed, and systems will be designed. The plans, elevations, sections, code analysis, etc will be developed to more detail and specifications will be started. We will discuss potential building structural systems and exterior wall design to meet your requirements. As this phase progresses we will begin a door schedule and a finish schedule to identify any unique requirements as early as possible. A more detailed estimate of probable construction cost will be generated and compared to the project budget. System narratives will be refined to include load calculations for HVAC, power, etc.

Prior to submitting the Design Development documents for your review, our team will conduct a thorough in-house QC/QA review of the submission. At the conclusion of the Design Development Phase, we will present the drawings, specifications, narratives and estimate of probable cost for your review. We anticipate the same review and response period with a design review meeting held to resolve any outstanding issues and obtain approval to proceed with Construction Documents.

Construction Documents Phase

The final design phase will continue the development of the DD documents into drawings that can be bid and from which a building can be constructed. We anticipate a 65% CD submission with review and comments, a 95% CD submission with similar review and comments and a Bid Set submission which will represent the complete set of documents that can be provided to a Contractor for constructing the facility.



PROPOSED APPROACH TO THE PROJECT

Bidding Phase – During this phase, construction documents are distributed to contactors for bidding. The design team will respond to questions from contractors and issue clarifications via addenda. A pre-bid meeting will be held and attended by members of the design team. Additional clarifications will be issued if required. Bids are received, opened and evaluated by the architect and the client. Once a preferred bidder is determined, the contract will be executed and a Notice-to-Proceed will be issued.



Construction Phase – Prior to beginning construction, we will typically attend a pre-construction meeting with the client and the contractor to confirm procedures and make sure that all administrative issues are resolved. Once construction begins, the architect and design team become the administrators of the contract for construction. Our team will periodically observe the work for general conformance with the information contained in the construction documents and issue reports to the client to document those field observations. We will perform standard construction phase services including attending bi-monthly progress meetings, answering RFIs, reviewing submittals, reviewing proposed changes to the work and associated costs, reviewing monthly contractor applications for payment, and providing any necessary clarifications of the documents.

Our team places a priority on responding to issues that arise during the Construction Phase because we understand that when a contractor is in the field and has a question, requiring them to wait too long for an answer will likely result in costs to the client or impacts to the schedule. To prevent this from occurring, we promptly respond to phone calls and emails and we track all RFIs and submittals to be sure there are no outstanding items that could potentially delay the project.

At the end of construction, we will assist with project close-out, process O&M manuals, as-built drawings and specifications, etc. Our goal is always to close out a project as quickly as possible to avoid having our client carry an open project on their books. The Paradigm team and the Army National Guard will work together throughout the design and construction process to create a **State Emergency Crisis Operations Center that will meet your current needs and will provide the flexibility to adapt to future needs.**



PAST EXPERIENCE PERFORMING SIMILAR PROJECTS

Paradigm Architecture - Paradigm Architecture has experience in a broad range of types and scope of projects including corporate, governmental, educational, and institutional clients. Our government clients include GSA, the US Department of Agriculture, and the US Department of Energy. Similar building types that we have successfully completed include administrative offices, meeting and conference facilities, classrooms, and research facilities.

Other large institutional clients include West Virginia University, Fairmont State College, The College of West Virginia, Hampden Sydney College, Wake Forest University, Ayers State Technical College, The College of North Carolina at Greensboro, and The University of Alabama at Birmingham. **Paradigm's staff have decades of experience and have worked on hundreds of millions of dollars worth of projects that are a similar type of construction as the new State Emergency Crisis Operations Center.**

Grimm + Parker Architects – In early 2001, the firm closed out the largest institutional project it had worked on since its founding in 1972. The project was the Charles H. Flowers High School, a new 330,000 sf \$60M science and technology high school for 2,200 students. Ken Jones was the Project Architect who led the team that designed this award-winning project. **In the past decade, Grimm + Parker has worked on 12 additional projects with construction values between \$40M and \$100M.**

During the past 10 years, the firm also focused on growing existing and new markets including government / military, higher education, and public safety facilities. They have designed EOC's, command centers, E-911 call centers, mission critical facilities, and incorporated AITP requirements, etc. Today the company's government / military clients include NAVFAC, USACE, USMC, NSA, and numerous state and local government agencies.

Most of the projects that Grimm + Parker designs are institutional masonry bearing wall or steel frame construction with insulated perimeter walls of CMU and brick. The firm has received numerous awards for their masonry designs, but perhaps one of the most meaningful is the **Award for Excellent Plans and Details of Masonry**, from the Professional Masonry Association. Grimm + Parker has designed **over 100 projects in the past decade that are similar** in size, construction value, complexity and construction type as the new State Emergency Crisis Operations Center.

All Hands Consulting – Led by Mr. Steve Davis, **All Hands' professionals are recognized leaders in emergency and crisis management** with a history of innovative, cost effective, real-time solutions tailored to meet the complex challenges confronting their clients. The organization's areas of expertise include: disaster preparedness / response and recovery, hazard analysis and risk assessments, threat assessments, command and control, EOC design, EOC vulnerability and capability assessments, fusion centers, crisis management, continuity of operations planning (COOP), search and rescue, training, exercises and drills.

All Hands Consulting has significant relevant experience and expertise that will benefit the planning and design of the new State Emergency Crisis Operations Center. Some of their major consulting projects include: New York City OEM (NY-NJ-CT-PA) Regional Catastrophic Planning, Miami Beach Emergency Operations Center Planning and Exercises, FEMA Individual Assistance Technical Assistance Contract (Mass Care), City of Miami - Southeast Florida Urban Area Security Initiative, **Contributing experts to the development of the DoD's UFC 4-141-04 "Emergency Operations Center Planning and Design,"** Executive Office of the President - Continuity of Operations Plan (COOP), West Virginia School Building Authority - School Safety and Vulnerability Assessments to name just a few. Steve Davis has unique specialized experience and expertise and will **work personally with you to assist with programming, planning and designing the new State Emergency Crisis Operations Center.**



REFERENCES & TESTIMONIALS

Paradigm Architecture – References

Mr. Claiborne Williams, FD Partners, LLC, (202) 629-1466
Mr. John Thompson, Manager of Construction Services, West Virginia University (304) 293-3625
Mr. John Sommers, Project Management - Planning, Design and Construction, WV University (304) 293-7478
Mr. Rich Lane, Petroplus & Associates, Inc., Platinum Properties (304) 284-5000
Mr. Phil Weser, PE, March-Westin Company (304) 599-4880

Paradigm Architecture – Testimonials

“Paradigm Architecture can effectively coordinate and manage projects in a way that looks out for the entire project and team.”

-Adam Feathers, Project Manager, March-Westin Company

“I wanted to let you know that Pat (Alliance Construction Management) has done a super job on this project and you were very smart to acquire his services...”

-Bradley S. Leslie, PE, Assistant Chief, WV DNR, Parks and Recreation Section

All Hands Consulting - References

Mr. George Navarro, City of Miami Beach, Emergency Manager, (305) 519-5945
Mr. Dan Scace, UASI Project Manager, Capitol Region Council of Governments, (860) 522-2217
Mr. Rick Larkin, Emergency Management Director, City of Saint Paul, (651) 266-5490

All Hands Consulting - Testimonials

“AHC provided Miami Beach Emergency Management with a large resource for information and a wide array of subject matter experts in emergency management, emergency operations, incident command system and homeland security fields. Their consultants are intimately familiar with new federal laws, regulations, guidance, programs, funding, and grant availability.”

-George Navarro, City of Miami Beach, Emergency Manager

“All Hands Consulting is an outstanding firm and I highly recommend them to others in need of competent and dependable support in executing their homeland security or emergency management programs.”

-Dan Scace, UASI Project Manager, Capitol Region Council of Governments

“All Hands Consulting is an extremely capable company that provides outstanding service and support to the emergency management and homeland security efforts in our region.”

-Rick Larkin, Emergency Management Director, City of Saint Paul

“During the six years that All Hands has worked for the City of Miami and in support of the Urban Area, I have observed that All Hands has performed at an exceptionally high level in all aspects of the various project management, planning, training, and exercise services that they have performed. Evaluations and comments on the delivery of services have been nothing short of outstanding. Mr. Davis and his team take personal responsibility for getting the job done right and exceeding expectations and technical requirements.”

-Maurice L. Kemp, Chief, Miami Fire-Rescue Department



REFERENCES & TESTIMONIALS

Grimm + Parker - References

Mr. Bill Olen, Assistant Director of Capital Projects, University of Maryland, 301-405-7336
Mr. Randy Ghertler, CIV NAVFAC Washington, US Naval Academy, 410-293-1009
Mr. Jack Burkart, Vice President of Development, Boston Properties, 202-585-0841
Mr. Hasan Askari, President, HASCON Construction, 443-850-8075

Grimm + Parker - Testimonials

"I strongly recommend Grimm + Parker to any committee looking for creative, competent architects who can bring a diverse community of stakeholders to consensus and get the job done not only very competently but also pleasantly"

-Dorothy H. Green, Chairman, Building Level Planning Committee, Yorktown High School

"Working within time and budget constraints is always critical and Grimm + Parker has produced outstanding results in both cases."

-Joseph F. Vilga, Director of Planning and Construction, Stafford County Public Schools

"I have found this team to be very attentive to the operational needs of the college as well as to the aesthetic qualities required in these very public buildings. They have listened carefully to suggestions from a variety of college staff and have sought solutions that do not violate the integrity of the design or compromise the educational program."

-Dr. Elaine Ryan, President, College of Southern Maryland

"Finally, to have a project complete on time and within budget in this difficult construction environment is a tribute to the entire team . . ."

-W. Stephen Pannill, Ed.D, President, Cecil Community College

"I highly recommend Grimm + Parker Architects to any client desirous of a skilled firm that listens to its clients..."

-Jocelyn Joiner Fleming, Project Manager, University of Maryland, Facilities Management

"Your design has accomplished the county's program goals more successfully than any other community center constructed to date . . ."

-Wayne Appenzeller AIA, Project Manager, Montgomery County, Maryland

"Over the past several years, I have had the privilege of working with Grimm + Parker on three projects encompassing all stages of design and construction. Throughout the development of these projects ...I have found you and your staff to be highly knowledgeable, creative, flexible, and exceptionally dedicated to providing the best possible solution to design and construction challenges presented for each project, while staying focused on the project budget and schedule."

-Ms. Kayayoon Shaya, R.A., Project Manager, DPW, Fairfax County, Virginia



APPENDIX A

PROJECT TEAM RESUMES

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Paul A. Walker, AIA	13. ROLE IN THIS CONTRACT Principal-in-Charge/Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 28	b. WITH CURRENT FIRM 10

15. FIRM NAME AND LOCATION <i>(City and State)</i> Paradigm Architecture	Morgantown, WV
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16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Architecture, 1982, University of Tennessee, Knoxville, TN	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> NCARB Certificate 53858 Architecture - West Virginia (2626) / North Carolina / Alabama / Florida / Pennsylvania / South Carolina
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
 American Institute of Architects. Board Member, Chestnut Ridge Church. Mr. Walker has twenty-seven years of experience as an architect and received his registration in 1986. He became a business owner in October 2000 when he created Paradigm Architecture. Mr. Walker's design responsibilities include programming, development of construction documents, project management, and construction administration. Among the variety of projects he has designed and supervised are: renovation, commercial, corporate, educational, governmental, industrial, institutional, recreational, religious, and residential. The scope of projects ranges from a few thousand dollars to over 30 million dollars.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	Charleston Federal Center Charleston, WV	2000	2000
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Design Architect. Renovation of a former federal courthouse to provide office space for Social Security. This commission was awarded through a national design competition. Cost: \$10 Million. Size: 110,000 Square Feet. Delivery Type: Design-Build Competition.		
b.	Clarksburg Federal Center Clarksburg, WV	2001	2001
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Design Architect. National design competition for design of a new office building to consolidate Federal Agencies into a new structure in a historic district. Cost: \$9 Million. Size: 65,000 Square Feet. Delivery Type: Design-Build Competition.		
c.	The General Services Administration for the United States Department of Agriculture Morgantown, WV	2009	2009
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Design Architect. Awarded through a Design-Build Competition sponsored by the General Services Administration. This facility will house five agencies of the USDA including: the Credit Union, Rural Development, Farm Services Administration, Natural Resource Conservation services, and the USDA Information Technology Services. This project will be registered as a LEED Certified Building. Cost: \$6.5 Million (Shell). Size: 36,000 Square Feet. Delivery Type: Design-Build Competition.		
d.	United States Department of Energy Office of Legacy Management Morgantown, WV	2009	2009
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Design Architect. A new modern office and records storage building for the United States Department of Energy Office of Legacy Management. Awarded through a Design-Build Competition sponsored by the General Services Administration. This one story building includes 37,000 square feet of NARA Certified Records Storage space and additional spaces for administrative offices, receiving / processing, and meetings / research areas. This project will be registered as a LEED Gold Certified Building. Cost: \$8 Million (Shell). Size: 60,000 Square Feet. Delivery Type: Design-Build-Negotiated.		
e.	Hardway Hall Portico Renovations Fairmont, WV	2010	2010
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Design Architect. Paradigm was selected to renovate the administration building, originally built in 1915 and listed on the National Register of Historic Places in 1994. Various structural, waterproofing, and exterior improvements and/or repairs to the existing Hardway Hall Front Portico and steps on Fairmont State University's main campus were completed. All work will be carried out in accordance with the Secretary of Interior's Standards for the Rehabilitation of Historic Properties.		



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME Todd G. Christopher	13. ROLE IN THIS CONTRACT Project Architect	14. YEARS EXPERIENCE	
		a. TOTAL 8	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION (City and State) Paradigm Architecture	Morgantown, WV
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16. EDUCATION (DEGREE AND SPECIALIZATION) Master of Architecture, 2002, Virginia Polytechnic Institute & State University, Blacksburg, VA Bachelor of Science in Engineering Technology, 1999, Fairmont State College Fairmont, WV	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) NCARB Certified No. 66482 North Carolina No. 11326 West Virginia No. 4141
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

American Institute of Architects. U.S. Green Building Council. AIA Peer Mentor in conjunction with UNC Charlotte College of Arts & Architecture. Christopher's responsibilities have included development of construction documents and drawings, project management, marketing presentations, bidding procedures, and construction administration. He has a combined eight years of experience in commercial and residential architecture and joined Paradigm Architecture in February 2009. Project experience includes renovation, commercial, corporate, educational, performing arts, healthcare, continuing care retirement communities, laboratories, industrial, institutional, sports facilities, and multi-family residential.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
The General Services Administration for the United States Department of Agriculture	Morgantown, WV	2009	2009
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Construction Administrator. Awarded through a Design-Build Competition sponsored by the General Services Administration. This facility houses five agencies of the USDA including: the Credit Union, Rural Development, Farm Services Administration, Natural Resource Conservation services, and the USDA Information Technology Services. This project will be registered as a LEED Certified Building. Cost: \$6.5 Million (Shell). Size: 36,000 SF. Delivery Type: Design-Build Competition. <input checked="" type="checkbox"/> Check if project performed with current firm		
Pi Kappa Alpha Renovation and Addition	Morgantown, WV	2009	2009
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. Renovated and updated all student rooms to current code compliance. All new mechanical, electrical, plumbing, and fire protection systems installed. Two exterior porticos were added to the building. Cost: \$1.8 Million. Size: 15,184 SF. Delivery Type: Public Bid. <input checked="" type="checkbox"/> Check if project performed with current firm		
General Services Administration Office Space Marina Tower	Morgantown, WV	2009	2009
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Design Architect. Tenant upfit for the General Services Administration consisting of offices and open area work spaces. Cost: \$770,000. Size: 6,382 SF. Delivery Type: Design-Build. <input checked="" type="checkbox"/> Check if project performed with current firm		
Key Logic Systems, Inc	Morgantown, WV	2009	2009
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. Renovations of the existing buildings approximately 8,500sf. There is a new elevator tower at the rear of the building which adds an additional 735sf and a new entry vestibule on the front of the building totaling 264sf. We are putting in all new windows, doors, HVAC, plumbing, lighting, electrical, and tele/data. Estimated Completion: May 2010. Cost: \$1.5 Million. Delivery Type: Design-Bid-Build. <input checked="" type="checkbox"/> Check if project performed with current firm		
Discovery I Biomedical Research Facility University of South Carolina	Columbia, SC	2007	2008
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Architect. This program forms the groundwork for our design of this 110,000 gsf facility, which will house four wet lab floors with core labs and vivarium on the lower level as well as a demonstration kitchen. Size: 110,000 SF Cost: \$12 million. <input type="checkbox"/> Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Ken Jones, AIA, LEED AP	13. ROLE IN THIS CONTRACT Principal-in-Charge / Sr Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 18

15. FIRM NAME AND LOCATION *(City and State)*
Grimm + Parker Architects, Calverton, MD

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Master of Architecture / 1992 / University of Maryland Bachelor of Science in Architecture / 1990 / University of Maryland Bachelor of Science in Management / 1998 / University of Maryland	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Maryland / Architecture / 2001 - License #12839 West Virginia / Architecture / Pending LEED Accredited Professional / USGBC / 2003
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Jones has over 20 years of experience providing design, management and leadership for more than 75 Federal, State & Local Government, Educational and other complex institutional projects with individual construction values ranging from \$1M to \$80M. He has received multiple awards for his design and leadership accomplishments. Mr. Jones is also a published author who has written several articles on leadership and facilities management topics. As a previous Owner's Representative for the Johns Hopkins University Applied Physics Lab, Mr. Jones brings a unique perspective to projects he oversees. Having experienced first-hand the cultural and political influences that can impact decision-making within a large organization, Mr. Jones is committed to understanding the internal processes unique to each client in an effort to guide the design process in a collaborative way that supports the institution's mission and results in a successful project for all stakeholders. On this project, Mr. Jones will be the Principal-in-Charge for Grimm + Parker and will serve as a Senior Project Manager in support of Paradigm Architecture.

RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If Applicable)</i>
a.	EOC and Remote Location Back-up EOC – Department of Public Safety University of Maryland, College Park, MD	2008	Design is on-going
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal / Sr Project Manager for the renovation of the 30,000 sf, Department of Public Safety building for the University of Maryland. The facility includes a Command Center, E-911 Call Center, a 2,500 sf Emergency Operations Center, Security Operations Center, briefing room, conference / break-out rooms and offices. The critical functions of the facility are on emergency power with full HVAC, IT and Electrical capabilities for 24/7 continuity of operations in an emergency situation. A back-up EOC is being designed in a remote location to provide redundancy for this mission-critical function of the University of Maryland Department of Public Safety. Steve Davis of All Hands is the EOC Consultant on this project.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	Combined Marine Reserve Center – NAVFAC Fort Dix, NJ	2008	2011
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Vice President / Studio Leader for the new 77,000 sf, \$24M Reserve Center. The program includes training spaces, offices, classrooms, conference rooms, fitness room, small arms simulator, IT and MEP. ATFP requirements were incorporated into the project based on a Primary Gathering Building within a controlled perimeter. The required 25m setback from roads and parking was accomplished allowing the Reserve Center to be designed using Conventional Construction.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	Building 21 Research Labs & Offices Johns Hopkins University Applied Physics Lab, Laurel, MD	2005	2007
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Capital Facilities Project Manager for this new 240,000 sf, \$80M Research Lab and Office Building. Program included approximately 38,000 sf of classified research labs, a secure professional conferencing center, Air & Missile Defense research labs, a Missions Operation Center (MOC) with three command pits, 24/7 HVAC, Power, etc and a computer server room with self-contained individual rack-mounted FM 200 fire suppression systems within each enclosed server rack. Building-wide UPS was provided and mission-critical functions were served by dual 900kw diesel powered generators. Additionally, dual underground power feeders were extended to the building for added redundancy.		
d.	Elkton Center - Adult Education and Workforce Training Cecil Community College, Elkton, MD	2002	2005
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Senior Design Architect for the new 50,000 sf facility designed to provide adult education opportunities, a technology training center for medical professionals from the local hospital, executive conference center, classrooms, offices and reception hall. Conferencing center is designed to serve as a media room for press conferences involving the local hospital administration or other local emergency staff.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	Charles H. Flowers High School Prince George's County, MD	1996	2001
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Architect / Designer for this new 330,000 sf, \$60M technology-intensive high school. Project included the county's first "triple" gymnasium of 16,000 sf to serve as a community shelter in the event of a local emergency. Other program included classrooms, community training rooms, dining facilities located adjacent to the gymnasium and other typical high school functions. The facility was constructed of brick veneer on cmu back-up. The design won several awards including an AIA Honor award and a "Safety Through Design" award for the creative site design and the interior building layout that permitted all main corridors to be supervised by only two staff members.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME LT Paul W. Ruggles, CEC, USN, AIA	13. ROLE IN THIS CONTRACT Project Architect	14. YEARS EXPERIENCE	
		a. TOTAL 14	b. WITH CURRENT FIRM 10

15. FIRM NAME AND LOCATION (City and State)
Grimm + Parker Architects, Calverton, MD

16. EDUCATION (DEGREE AND SPECIALIZATION) Bachelor of Architecture / 1996 University of Tennessee, Knoxville, TN	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) MD / Architecture / 2009 - License #15769
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
LT Ruggles is a talented, versatile architect with 14 years of experience in all phases of design and construction on educational and DoD projects. He will serve as Project Architect on the Youth Center and will be responsible for coordination of the team, production of the documents, and overall development of the Youth Center design. LT Ruggles is an active CEC Officer in the Navy Reserve and is Dual Warfare Qualified. He has served two combat tours: Iraq as an IA with the Marines (2006) and Afghanistan with the Navy (2010). LT Ruggles is committed to creating functional and inspiring projects for the US Military.

19. RELEVANT PROJECTS

a. (1) TITLE AND LOCATION (City and State) US Naval Academy CDC - NAVFAC / Design - Build Annapolis, MD	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2009	CONSTRUCTION (If Applicable) Under Construction

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
[X] Check if project performed with current firm
CA Architect - LT Ruggles is responsible for the Construction Administration phase of this new 21,194 square foot, \$8.6M CDC designed to serve 162 children and support staff. The program includes classrooms to accommodate Infants through Preschoolers. It is currently under construction and is tracking a LEED Silver Rating from the USGBC. ATFP requirements were incorporated into this project's building and site design based on its use and location within a Controlled Perimeter.

b. (1) TITLE AND LOCATION (City and State) Combined Marine Reserve Center – NAVFAC / Design - Build Fort Dix, NJ	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION (If Applicable) 2011

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
[X] Check if project performed with current firm
Project Architect for this new 77,000 sf, \$24M LEED Silver Rated Reserve Center. The program includes offices, classrooms, conference rooms, fitness room, small arms simulator, IT and MEP. ATFP requirements were incorporated into the project based on a Primary Gathering Building within a controlled perimeter. LT Ruggles has received personal appreciation from the Marines for his work on this project including the following excerpt from a recent communication:
"Wes, the Reserve Center looks great, functional, plenty of light, good traffic flow, and attractive...your expertise really paid off here"
-Major Karl D. Eckert, MARFORRES BRAC/MILCON Project Officer

c. (1) TITLE AND LOCATION (City and State) Vansville Elementary School Prince George's County, MD	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION (If Applicable) 2010

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
[X] Check if project performed with current firm
Contributing Architect – provided assistance with the design of the First LEED Gold Certified School in Prince George's County, Maryland. The new 94,000 sf, \$21.4M school is designed for a capacity of 792 students. The program includes classroom spaces, administration, computer lab, activity rooms and a gymnasium that is a Joint Venture between PGCPs and MNCPPC. The clear circulation of the two-story main circulation space with a skylight creates a "landmark" or a point of reference for visitors and other users of this facility.

d. (1) TITLE AND LOCATION (City and State) Mustang Ramp – Helicopter Operations Center Kandahar Air Field, Afghanistan	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2010	CONSTRUCTION (If Applicable) 2010

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
[] Check if project performed with current firm
Coordinated design and construction operations for Mustang Helicopter Ramp. This is now the largest helicopter maintenance, storage and operations center in Afghanistan encompassing 26 super SWA Hut buildings, three Large Area Maintenance Shelter (LAMS) systems, and extensive runway facilities. The facility includes office space, Tactical Operations Centers and Joint Combat Operations Centers for the US Army.

e. (1) TITLE AND LOCATION (City and State) I MEF (FWD) – Command Headquarters Al Asad, Iraq	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2006	CONSTRUCTION (If Applicable) 2007

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE
[] Check if project performed with current firm
Planned and coordinated the I MEF (FWD) command element move from Fallujah, Iraq, to Al Asad Air Base. Conducted site surveys, coordinated with civilian engineers, worked with all staff sections for programming and design of their office spaces, and produced contract documents for renovation and construction of the new facility. A key element for the facility was a 5,000 sf Combat Operations Center (COC) responsible for all operations in Al Anbar province.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Steve Davis	13. ROLE IN THIS CONTRACT Subject Matter Expert	14. YEARS EXPERIENCE	
		a. TOTAL 40	b. WITH CURRENT FIRM 16

15. FIRM NAME AND LOCATION *(City and State)*
All Hands Consulting, Columbia, MD

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Master of Public Policy / 1990 / University of Maryland Bachelor of Science in Fire Service / 1985 / University of Maryland Associate of Science in Fire Science / 1981 / Montgomery College	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. Davis has a total of 40 years of relevant experience. He is a subject matter expert in homeland security, emergency management, and continuity of operations (COOP) planning and operations. He has been involved in numerous emergency operation center design projects and has published articles and presented on the topic. He supported the development of the Unified Facilities Criteria (UFC 4-141-04) for Emergency Operations Center Planning and Design. He is the co-author of two books, has published over 20 articles, and has delivered over 100 subject matter presentations. Mr. Davis has successfully managed numerous emergency management and homeland security projects as well as several emergency operations center design, software design and evaluation, and software implementation projects.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Urban Area Security Initiative Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2003-2010	CONSTRUCTION <i>(If Applicable)</i> Completed
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Principal / Project Manager for the City of Miami Urban Area Security Initiative Project since 2003. In this capacity Mr. Davis provided project management support and served as lead consultant and subject matter expert on a variety of projects including an Emergency Operations Center design project. All Hands supported the detailed design of an EOC and prepared operational plans for the EOC. Mr. Davis also served as Planning Chief during EOC activations.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION <i>(City and State)</i> New York City OEM (NY-NJ-CT-PA Regional Catastrophic Planning) New York, NY	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2010-2011	CONSTRUCTION <i>(If Applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager overseeing the development of an Executive Stakeholder Program which includes a coordinated Catastrophic Incident Playbook (CIP). The intent of the project is to enhance situational awareness and to increase sharing of relevant strategic information and enhance executive decision-making capabilities in the planning and incident phases of a catastrophic event. The tool will support decision makers during catastrophic incidents.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Steven Winter Associates, Inc. (EOC Design Guide) Washington, D.C.	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2003-2006	CONSTRUCTION <i>(If Applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager, coordinating the development of the military Unified Facilities Criteria (UFC) for Emergency Operations Center Planning and Design. The Unified Facilities Criteria (UFC) system is prescribed by MIL-STD 3007 and provides planning, design, construction, sustainment, restoration, and modernization criteria, and applies to the Military Departments, the Defense Agencies, and the DoD Field Activities. The UFC will be used for all DoD projects and work for other customers where appropriate.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Lower Colorado River Authority (EOC Design) Austin, TX	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2003-2006	CONSTRUCTION <i>(If Applicable)</i> Completed
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager overseeing the development of the initial design of a new Emergency Operations Center, River Operations Center and Hydroelectric Control Center. Reviewed operations procedures, developed designed concept and supporting detailed design and engineering plans.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Patrick "Rick" LaValla	13. ROLE IN THIS CONTRACT Subject Matter Expert	14. YEARS EXPERIENCE	
		a. TOTAL 40	b. WITH CURRENT FIRM 11

15. FIRM NAME AND LOCATION *(City and State)*
All Hands Consulting, Columbia MD

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Bachelor of Arts in Business Administration / 1971 / University of Puget Sound, Tacoma, WA	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> NA
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Mr. LaValla has 40 years of experience in emergency management and was a former State Emergency Operations Chief. He has managed EOC operations at state and local government levels. He has provided emergency management and emergency response services to educational institutions, emergency response organizations, business and industry, and local, state, federal, and foreign government agencies. His competencies include writing mitigation plans, recovery plans, emergency operations center (EOC) plans, comprehensive emergency management plans, continuity of operations plans, terrorism plans, standard operating procedures development, hazard and risk assessments, training and course development, exercise design and presentation, project management, and EOC management. He supported the development of the Unified Facilities Criteria (UFC 4-141-04) for Emergency Operations Center Planning and Design. He has written over 60 books and workbooks, and written hundreds of articles for journals, magazines, newsletters. Mr. LaValla has assisted hundreds of state and local governments with designing and implementing emergency management programs and disaster plans.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i> Floyd County, GA/ Design Rome, GA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(If Applicable)</i> Under Design
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> Develop pre-design workbook and process. Facilitate stakeholder pre-design workshops. Work with County Emergency Manager and staff to determine design and functionally. Develop and deliver design report to architect. Content includes: staffing and functions; space requirements; configuration; displays and equipment; information management systems and equipment; furnishings.	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION <i>(City and State)</i> Miami Beach, FL/ Re-Design Miami Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If Applicable)</i> NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> Assist the city emergency manager with EOC review/gap analysis. Implemented functional re-design to include seating, displays and equipment, information flow and management, technologies. Developed concepts of operations, plans and procedures. Designed and directed exercises to test EOC functionality and guide improvements.	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION <i>(City and State)</i> Yakima County, WA/Re-Design and Re-Location Yakima, WA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(If Applicable)</i> NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> Assist the county emergency management agency with EOC relocation and functional re-design to include staffing and functions; space requirements; configuration; displays and equipment; information management systems and equipment; furnishings.	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION <i>(City and State)</i> Miami, FL/Design Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009-2010	CONSTRUCTION <i>(If Applicable)</i> NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> Assist the city's emergency manager and staff with EOC design and functionally after the building was built. EOC rooms within a new police facility. Assisted with functional design to include seating, displays and equipment, information flow and management, technologies. Developed concepts of operations, plans and procedures. Designed and directed exercises to test EOC functionality and guide improvements.	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION <i>(City and State)</i> Snohomish County, WA/ Everett, WA	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2006	CONSTRUCTION <i>(If Applicable)</i> NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> Develop pre-design workbook and process. Facilitate stakeholder pre-design workshops. Work with County Emergency Manager and staff to determine design and functionally. Develop and deliver design report to architect. Content includes: staffing and functions; space requirements; configuration; displays and equipment; information management systems and equipment; furnishings.	<input checked="" type="checkbox"/> Check if project performed with current firm	

Jeffrey P. Winbourne, PMP, ENP

Senior Project Manager / Subject Matter Expert – Fusion Centers

Summary of Experience

Mr. Winbourne has worked on a large variety of public safety emergency communications consolidation analyses, systems, facility, and operations projects over the past 13 years. The technology projects include radio, telecommunications, Computer Aided Dispatch (CAD), Records Management Systems (RMS), Mobile Communications, Automated Field Reporting (AFR) and **Fusion Centers**. He has also managed the technology design for public safety mission critical facilities in numerous locations to include New York City, Washington, DC and Charlotte, NC.

Mr. Winbourne has over 20 years of technical project management experience combined with 13 years of emergency response systems' domain expertise. He has served as a project manager and as a emergency communications subject matter expert with the Washington, DC, New York City, Boston, MA, Philadelphia, Metro-Dade Police, Fairfax County, Virginia, and Raleigh, NC on various E-911 emergency communications projects. He has experience in developing national-level emergency communications systems and architectures.

He is currently serving as the Technical Director for the first Integrated Emergency Communications System (IECS) in India. He is a certified Emergency Number Professional (ENP) and a certified Project Management Professional (PMP).

Related Project Experience

Mr. Winbourne has worked with multiple emergency communications and public safety organizations over the past 13 years. He has worked on all phases of technology planning, implementation, test and acceptance and operations. He has experience ranges from requirements definition, validation, change management, architecture design and implementation. He is well versed in dispatch operations, CAD/RMS/Mobile and AFR applications and operations.

Professional History

- **Winbourne & Costas, Inc.**, President, 2000-2011
- **MAXIMUS Inc.**, Vienna, Virginia, Vice President, 1997-2000
- **Arthur Andersen**, Senior Manager, Office of Government Services 1996-1997
- **Booz, Allen & Hamilton**, Principal, 1990-1996
- **BDM, International**, Senior Technical Staff Member, 1987-1990

Education

- BS, Mechanical Engineering, George Washington University, Washington, DC
- Masters in Engineering Administration, Virginia Tech, Fall Church, VA

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME John Rudmann, PE, RLA, LEED AP	13. ROLE IN THIS CONTRACT Civil Engineer / Landscape Architect	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM 2

5. FIRM NAME AND LOCATION (City and State)
KCI Technologies, Inc., Morgantown, WV

16. EDUCATION (Degree and Specialization) BS / Civil Engineering BS / Landscape Architecture	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) PE / WV / 14779, also PE in MD, and PA PLA / WV / 341, also RLA in MD, OH, and PA LEED AP
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Rudmann is a licensed civil engineer, a licensed landscape architect, and a LEED Accredited Professional. Mr. Rudmann's responsibilities have included being a Project Manager, a Senior Civil Engineer, and a Senior Landscape Architect for many design projects.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
a. USDA Building Design/Build Sabraton, WV	2009	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Civil Engineer / Landscape Architect. Responsible for the overall design of all site / civil services, which included site design, access roads, utility lines, sidewalks, drainage, stormwater quality and retention, grading plans, erosion and sedimentation control plans, and the permitting. Completed all the necessary LEED submittal paperwork for sustainable site and water efficiency credits.	x Check if project performed with current firm	
b. West Virginia University Downtown Student Housing Morgantown, WV	2009	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Civil Engineer / Landscape Architect. Mr. Rudmann was responsible for the overall design of all site / civil services, which included access roads, utility lines, sidewalks, drainage, stormwater retention, grading plans, courtyard pedestrian design, erosion and sedimentation control plans, and permitting.	x Check if project performed with current firm	
c. Northside Fire Station Morgantown, WV	2009	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Civil Engineer / Landscape Architect. Mr. Rudmann was responsible for the overall design of all site / civil services, which included site design, access roads, utility lines, sidewalks, drainage, stormwater quality and retention, grading plans, erosion and sedimentation control plans, and the permitting. The new Morgantown Fire Station will be a LEED Silver certified building.	x Check if project performed with current firm	
d. Cacapon Resort State Park Lodge Expansion Cacapon, WV	Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Civil Engineer / Landscape Architect. Mr. Rudmann is responsible for completing the design for golf course pond renovations including pond bank stabilization and lowering the water surface elevation; complete sand bunker renovation including new drainage system design, adding liners, re-shaping, re-edging, and re-contouring; and the replacement of most existing site drainage structures. Managed and performed tasks for water and wastewater system improvements as part of upgrade and expansion project.	x Check if project performed with current firm	
e. Morgantown Event Center and Garage Morgantown, WV	Ongoing	
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Civil Engineer / Landscape Architect. KCI is providing site / civil engineering and landscape architecture services for this design / build project. KCI designed a landscape buffer between the rail trail and event center properties. As a result, the rail trail users are provided an enhanced user experience and the event center is screened from adjoining users. With such a narrow site, the challenge of safely passing buses and semi-trailers through the site became very difficult. Mr. Rudmann was responsible for the overall design of all site / civil services, which included site design, access roads, utility lines, sidewalks, drainage, stormwater quality and retention, grading plans, erosion and sedimentation control plans, and the permitting.	x Check if project performed with current firm	

Todd (Ted) A. Zachwieja
PE, C.E.M., LEED AP

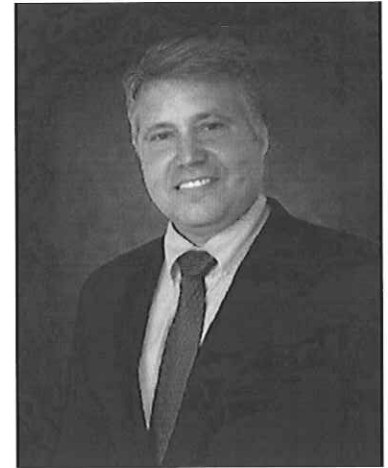
**Chief Executive Officer
Principal-in-Charge
M/E/P Design Project Manager**

Todd has more than 28 years of experience in the design, construction management, and specifications for mechanical engineering, heating, ventilating, air conditioning, plumbing, electrical, and lighting, as well as indoor air quality analysis and building system commissioning for educational, commercial, industrial and health care facilities. His specialties include mechanical engineering, HVAC systems master planning, conceptual design, energy conservation program development, commissioning and IAQ analysis relating to HVAC systems. He has extensive experience in industrial, commercial, hospitals and educational design. Prior to joining ZDS, Todd Zachwieja coordinated millions in comprehensive energy conservation programs resulting in annual energy savings of millions per year and managed a profitable regional office for one of the country's largest energy service companies. He also developed computer programs for building energy analysis and monitoring and presented technical papers at regional and national conferences. Some of Todd's project experience includes:

GOVERNMENT AND COMMERCIAL

- Bank One – WV
- Culture Center HVAC renovations
- Kanawha County Commission – 120,000 sf additions/renovations for the Judicial Annex/Kanawha County Courthouse – Charleston
- Kohl's
- Laidley Towers – Charleston
- Mercer County Courthouse – Princeton
- Olin Corporation
- Phillip Morris USA
- Rhone-Poulenc
- Sears
- Toyota
- Union Carbide
- United Center – Charleston
- Walker Machinery
- West Virginia Air & Army National Guard
- West Virginia Public Service Commission Headquarters
- West Virginia State Capitol Complex renovations
- Yeager Airport

Todd also designed one of the largest geothermal heat pump applications in the mid-Atlantic region, and commissioned HVAC systems and mechanical engineering at many General Motors' facilities in North America.



EDUCATION

Bachelor of Science in Mechanical Engineering from West Virginia Institute of Technology in 1982

Masters of Science in Engineering Management from the University of West Virginia College of Graduate Studies in 1989

REGISTRATIONS

West Virginia, No. 10,127

Certified Energy Manager (C.E.M.), National Certification

LEED® Accredited Professional, National Certification through USGBC

Georgia, No. 18253

Kentucky, No. PE-17961

North Carolina, No. PE-017445

Ohio, No. E-53587

Pennsylvania, No. PE-040929-R

South Carolina, No. 25985

Virginia, No. 0402 025427

PROFESSIONAL AND COMMUNITY AFFILIATIONS

Charter member Mountaineer Chapter of American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)

Served as ASHRAE's Energy and Technical Affairs Chairman for six years

Recognized by the International Who's Who of Professionals

Recognized nationally as West Virginia's Business Man of the Year

Todd (Ted) A. Zachwieja
(Continued)

HEALTH CARE

- Bluefield Regional Medical Center
- Cabell Huntington Hospital
- Charleston Area Medical Center - millions in renovation and new construction design, including commissioning of Charleston Area Medical Center's \$41 million Surgery Replacement Center and many projects at General Division, Memorial Division, and Women & Children's Hospital
- Hopemont Hospital
- Mercy Medical Center
- Monongalia General Hospital
- Montgomery General Hospital
- St. Mary's Hospital
- Summersville Memorial Hospital
- Thomas Memorial Hospital
- United Hospital Center
- VA Hospital - Clarksburg
- VA Hospital - Huntington
- Wayne Memorial Hospital
- Webster Memorial Hospital
- Welch Emergency Hospital, Surgicare Center

EDUCATIONAL

Colleges and Universities

- Alderson Broadus College
- Bluefield State College
- Concord University
- Fairmont State College
- Harvard University
- Marshall University
- Ohio University's Athens & Chillicothe campuses
- Southern West Virginia Community & Technical College
- University of California-Davis
- University of Charleston
- Washington & Lee University
- West Virginia University
- West Virginia Wesleyan College

Todd was recognized nationally for his work with Ohio University in development of a performance contracting program that is anticipated to save \$2.5 million annually in energy and operating costs.

Schools

M/E/P design for schools in the following West Virginia counties include Calhoun, Clay, Grant, Greenbrier, Hardy, Harrison, Jackson, Kanawha, Lewis, Logan, Marion, McDowell, Mercer, Mingo, Monroe, Ohio, Pocahontas, Putnam, Raleigh, Randolph, Ritchie, Summers, Taylor, Tucker, Upshur, Webster, and Wyoming.

Some of Todd's project experience includes the development and design of a pilot geothermal heat pump HVAC with variable speed pumping system at Webster County High School, which reduced electric bills by more than 40% while meeting IAQ requirements.

**PROFESSIONAL AND
COMMUNITY AFFILIATIONS
(CONTINUED)**

Recognized nationally in 2007 as a "Legend in Energy"

Recognized nationally in 2008 as a "Charter Legend in Energy"

Charter life member of the Association of Energy Engineers

Professional Affiliate Member of the American Institute of Architecture

Member of the American Association of Hospital Engineers

Member of the National Society of Professional Engineers

Member of the National Society of Plumbing Engineers

Member of the International Code Council

Contributing editor and served on the Editorial Review Panel for "The Handbook of Building Management and Indoor Air Quality," "Ventilation for a Quality Dining Experience," INvironment Professional, Power Prescriptions and other publications and articles dealing with Indoor Air Quality (IAQ) and MEP engineering systems

Presented at regional and national conferences including the National System Commissioning Conference

David G. Dial, P.E.

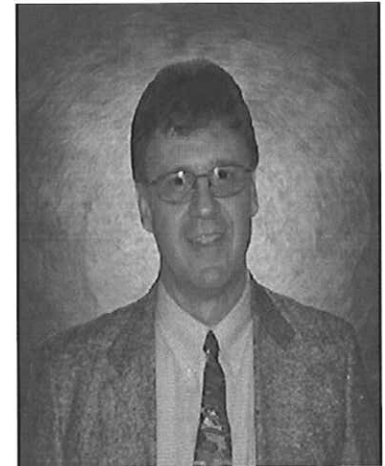
Senior MEP Engineer

David has over twenty-eight years of experience in the design and commissioning of mechanical and electrical systems. He provides HVAC, electrical and plumbing design services for a variety of clients in West Virginia. His background includes managing operating and maintenance repair and construction services for HVAC, plumbing, electrical and maintenance. He has managed grounds maintenance, security staff, information technology, IT NASA network, video surveillance and telephone systems.

David has experience in Maintenance Engineering in plumbing, HVAC, clean room design, dust collector selections, steam and condensate flow measurement, transfer of steam production from in-house to private contractor, athletic field lighting design, and farm pump water design. He has even completed a successful energy grant application from the U.S. Department of Energy. His Environmental Design experience includes PCB remediation, Air Pollution Control Commission annual reporting, removal of underground fuel storage tanks/pumps, installation and testing for radioactive material, conversion of a fleet of vehicles to operated dual fuel (gasoline and natural gas) including training, designing a filling station, custom built compressor station, cylinder operations area, filling post and monitoring of natural gas usage.

David has been involved in the design, document development, contract administration and recommissioning of the structural, mechanical and electrical disciplines of several WVU projects including Downtown Steam Tunnel Assessment, Coliseum Tunnel Redesign, Towers Exercise Room, Brooks Clean Room, lighting retrofits at Brooks Hall, exterior lighting for Mountainlair Parking Garage, cooling towers replacement at the Chemistry Annex, replacement of electric hot water boilers with natural gas pulse steam boilers, HVAC controls for Allen Hall, measure flow for sub metering/billing for campus steam/condensate systems, PCB removal from electrical equipment on campus, and power/cooling for a data Center at the WVU/NASA facility.

Other project experience includes design for Trinity High School's HVAC, plumbing and electrical system, industrial dust collector system for the Percival Dust Collector and replacement of rigging of a 2500 seat auditorium. As a production engineer, David optimized design of medical quality cryogenic freezers, incubator and shaker including scheduling the freight trucks, quality assurance of sheet metal shipments, writing repair manuals and setting up insulation.



EDUCATION

Bachelor of Science Mechanical Engineering, West Virginia University, 1978

Masters of Science Environmental Engineering, West Virginia University, 1980

REGISTRATION

Professional Engineer, West Virginia, No. 11692



Allegheny Design Services

Structural & MEP Engineering

102 Leeway Street
Morgantown, WV 26505

Phone: (304)599-0771

Fax: (304)599-0772

E-Mail: Dave@AlleghenyDesign.com

Web: www.AlleghenyDesign.com

David R. Simpson, P.E., SECB, MBA
President

Education:

West Virginia Institute of Technology
B.S. Civil Engineering

West Virginia University
Masters Business Administration

West Virginia State College
Architectural Technology

Professional Registrations:

Year first registered: 1984
Structural Engineering Certification Board
West Virginia
Pennsylvania
Maryland
Virginia
District of Columbia
South Carolina
Ohio
National Council of Examiners for Engineering and Surveying

Professional Memberships:

American Society of Civil Engineers
Structural Engineering Institute, Charter Member
American Concrete Institute
American Institute of Architects – West Virginia Chapter
American Institute of Steel Construction, Inc.
American Iron and Steel Institute Member

Continuing Education:

2005 AISC Specification for Structural Steel Buildings – September 27, 2006 – Pittsburgh, PA
ASCE Testifying Skills for Engineers – February 16, 2007 – Orlando, FL
Peter Vallas Associates, Inc. "Fire Investigation Certification" – July 16, 2010 – Ft. Lauderdale, FL

Professional Experience:

Responsible for project management and design at Allegheny Design Services. Experience includes over 30 years in structural design and project management for industrial, commercial, institutional, and nuclear/chemical facilities utilizing steel, concrete, masonry, and wood. Past accomplishments include design and construction administration of health care facilities, hotels, schools, shopping centers, aircraft hangars, numerous retail facilities, and numerous forensic engineering assignments. Experience has been obtained from the following assignments:

Experience Record:

Allegheny Design Services, LLC, President,	May 2002 to Present
R.M. Gensert and Associates, Vice President,	August 1998 to May 2002
West Virginia University, Assoc. Director Construction	August 1988 to August 1998
Simpson Engineering, Owner	August 1988 to August 1998
CECO Buildings Division, Senior Structural Engineer	April 1985 to August 1988
Rockwell International, Facility Structural Engineer	March 1982 to April 1985
Bellard Ladner & Assoc., Staff Structural Engineer	Sept. 1981 to March 1982
PPG Industries, Facility Structural Engineer	January 1980 to Sept. 1981

Additional Professional Experience:

Experience encompasses design, project management, and construction administration for reinforced concrete, structural steel, precast concrete, masonry, and wood structures.

Project experience includes:

Fairmont Senior High School, Fairmont, WV
Belmont Community Center, St. Clairsville, OH
Monongalia General Hospital Operating Room Addition, Morgantown, WV
Chestnut Ridge Church, Morgantown, WV
Morgantown Event and Conference Center, Morgantown, WV
Allegheny Energy Transmission Center, Fairmont WV
West Virginia University Business and Economics Building, Morgantown, WV
West Virginia University High Density Book Storage Facility, Morgantown, WV
West Virginia University Life Sciences Building, Morgantown, WV
West Virginia University Student Recreation Center, Morgantown, WV
West Virginia University Wise Library Addition, Morgantown, WV
West Virginia University White Hall Computer Center, Morgantown, WV
UPMC Hillman Cancer Center, Pittsburgh, PA
Carnegie Museum of Natural History Addition, Pittsburgh, PA
Cultural Trust District Parking Garage, Pittsburgh, PA
Delaware Valley Veterans' Home, Philadelphia, PA
Fairmont State University Parking Garage, Fairmont, WV
First Avenue Parking Garage, Pittsburgh, PA
Hillman Cancer Center (UPMC), Pittsburgh, PA
New Enterprise Precast Corporate Headquarters, New Enterprise, PA
Respironics Corporate Office Facility, Pittsburgh, PA
International Brotherhood of Electrical Workers Headquarters Training Center, Pittsburgh, PA
Laurel Highlands Middle School Addition, Uniontown, PA
Trinity High School, Morgantown, WV
Mylan Pharmaceuticals Parking Garage, Morgantown, WV
Phipps Conservatory Addition, Pittsburgh, PA
Radisson Hotel and Conference Center, Morgantown, WV
Western Pennsylvania School for Blind Children, Pittsburgh, PA
In-Situ Vitrification Nuclear Waste Encapsulation Project, Richland, WA
Dominion Transmission Office Building, Clarksburg, WV
Multiple structural evaluations and expert witness for structural damage due to subsurface mining subsidence, floods, ice, wind and construction errors
Over 400 low-rise metal building projects from Maine to South Carolina, including warehouses, aircraft hangar facilities, shopping centers, industrial facilities, and office facilities.



102 Leeway Street
Morgantown, WV 26505
Phone: (304)599-0771
Fax: (304)599-0772

E-mail: Mike@AlleghenyDesign.com
Web: www.AlleghenyDesign.com

Michael L. Sipe, E.I. Engineering Intern

Education:

West Virginia University Institute of Technology
B.S. Mechanical Engineering
Minor: Mathematics

Awards/Achievements/Organizations:

Deans List, last 4 completed semesters
Member of Pi Tau Sigma
Member of AISC
Associate Member of ASCE

Professional Registrations:

West Virginia, Engineering Intern License # 8519

Professional Experience:

Responsibilities include structural engineering design, construction documents, quality control, field engineering and project engineering.

Experience record:

Allegheny Energy, Fairmont, WV
Cutlip Christie Office Complex, Clarksburg, WV
Dominion Exploration Addition, Jane Lew, WV
Fairmont State University Smoke Vents, Fairmont, WV
Finite Element Analysis of Various Material Handling Structures
Gassaway Bank, Flatwoods, WV
Glenmark Office Building, Morgantown, WV
Greer Limestone Conveyor Structure Renovations, Morgantown, WV
GSA Sabraton (USDA), Morgantown, WV
Morgantown Event Center, Morgantown, WV
Pressley Ridge School Residence Hall & Dining Facilities, Clarksburg, WV
Proplex Athletic Training Facility, Morgantown, WV
Waterfront Marina, Morgantown, WV
West Milford Elementary School Classroom Addition, West Milford, WV
WVU Downtown Student Housing, Morgantown, WV
WVU Puskar Academic Center, Morgantown, WV

Courses and Continuing Education:

WVU - Structural Analysis I, Spring 2006
WVU - Steel Design, Fall 2006
WVU - Reinforced Concrete Design, Spring 2007
AISC - Design Steel Your Way with the 2005 AISC Specification - September 27, 2006
ASCE - Steel Framed Buildings - May 11, 2007
AISC - Façade Attachments to Steel Frames - September 20, 2007
ASCE - Reinforced Masonry: Design and Construction - November 8, 2007
Lincoln Electric Company - Blodgett's Welding Design Seminar - June 17-20, 2008
ASCE - Earth Retaining Structures, Selection, Design, Construction and Inspection - October 22-23, 2009



Mr. Deter is responsible for the engineering design of all trades, the supervision of senior designers, the preparation of reports to determine optimal systems and/or equipment selections, and the coordination and checking of contract documents for completeness and quality. He is responsible for coordination with the client, the architect, regulatory agencies, and the engineering staff; project scheduling; and other project management functions. Mr. Deter is experienced in the design of building systems for both new buildings and building retrofits for educational, health care, commercial, government, industrial, residential, and utility related facilities. His project experience includes:

New Armory, Pennsylvania Department of
Military Affairs
Ford City, Pennsylvania
*New 24,400 sq.ft. training center with
classrooms and kitchen/dining facilities and
maintenance shop*

Pennsylvania National Guard Facility
Regional Maintenance Facility
Johnstown, Pennsylvania
*New maintenance shop consisting of 23,560
square feet with approximately 8,000 square
feet of office and maintenance shop area and
the remainder for storage and eight vehicle
maintenance bays*

U.S. Army Reserve Center Aviation Facility
Johnstown, Pennsylvania
*New 120,000 sq.ft. multi-building reserve
center including a new training building and
hangar facility. Project included 90% design
for a new 200-bed Marine Corps Reserve
barracks*

U.S. Army Reserve Center
Wheeling, West Virginia
*Design/build project including a 24,000 sq.ft.
training building with classrooms,
administrative areas, library, assembly hall,*

*weaponer room and medical section, and
17,000 sq.ft. OMS/AMSA*

U.S. Army Reserve Aviation Center
Weirton, West Virginia
*Design/build project including a 16,000 sq.ft.
training building with classrooms, assembly
hall, arms vault, armorer, weaponer room,
and Comsec training area, and a 6,300 sq.ft.
OMS*

U.S. Army Reserve Center
Grantsville, Maryland
*New 15,300 sq.ft. training building with
classrooms, assembly hall, library, Comsec
training area, and weaponer room, and 2,400
sq.ft. OMS*

Letterkenny Army Depot
Chambersburg, Pennsylvania
Various projects under 5 IDCs including:
– *Building 350 – Vehicle maintenance building
lighting and fire alarm system replacement*
– *Building 1 - HVAC system upgrades*

U.S. Air Force – 911th Airlift Group
Corapolis, Pennsylvania
Various projects under two IDCs

Education

Bachelor of Science, Electrical Engineering Technology, 1987, University of Pittsburgh at Johnstown

Experience

H.F. Lenz Company 1992 – Present • Parfitt/Ling Consulting Engineers 1990 - 1992
Gary Johnston & Assoc., Inc. 1987 - 1990

Professional Certification

Licensed Professional Engineer in Pennsylvania, Illinois, Maryland, New Jersey, Ohio, Virginia, and West Virginia; LEED™ Accredited Professional

Professional Affiliations

Professional Engineers in Private Practice; NSPE/PSPE; APPA; U.S. Green Building Council

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Pat Stinson	13. ROLE IN THIS CONTRACT Cost Evaluations	14. YEARS EXPERIENCE	
		a. TOTAL 33	b. WITH CURRENT FIRM 7

15. FIRM NAME AND LOCATION *(City and State)*

Alliance Construction Management, Inc., Princeton, WV 24740

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> BS Wood Science, WVU	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Class A Contractor WV 036056 Class A Contractor VA 2705-112556A
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18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Certified Healthcare Contractor, WV
OSHA 30 Hour

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	Cacapon State Park, Berkley Springs, WV	2009-10	NA
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Lodge & golf course renovation Project designed by Paradigm Project cost estimates throughout design		
b.	Glade Springs Resort & Conference Center, Daniels, WV	2004-07	2007
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm New hotel & conference center, renovation of spa, bowling alley and new sports bar Project designed by Paradigm Construction Management and contractor on four projects ranging from .5 to 10 million dollars.		
c.	Our Lady of Belfonte Hospital, Ashland, KY		1998
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Concrete parking garage w/ambulatory surgery center. 7 million.		
d.	Chuck Mathena Center, Princeton, WV	2007-08	2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Performing arts theater 1000 seats. 41,000sf 10 million Worked with USDA (partially funded project) on cost evaluations and budget. Site and cost evaluations due to swamp conditions.		
e.	National Guard Reserve Center, Glen Jean, WV	2003-04	2005
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Estimating, purchasing and CPM scheduling. 17.4 million (I managed this project under Swope Cons)		



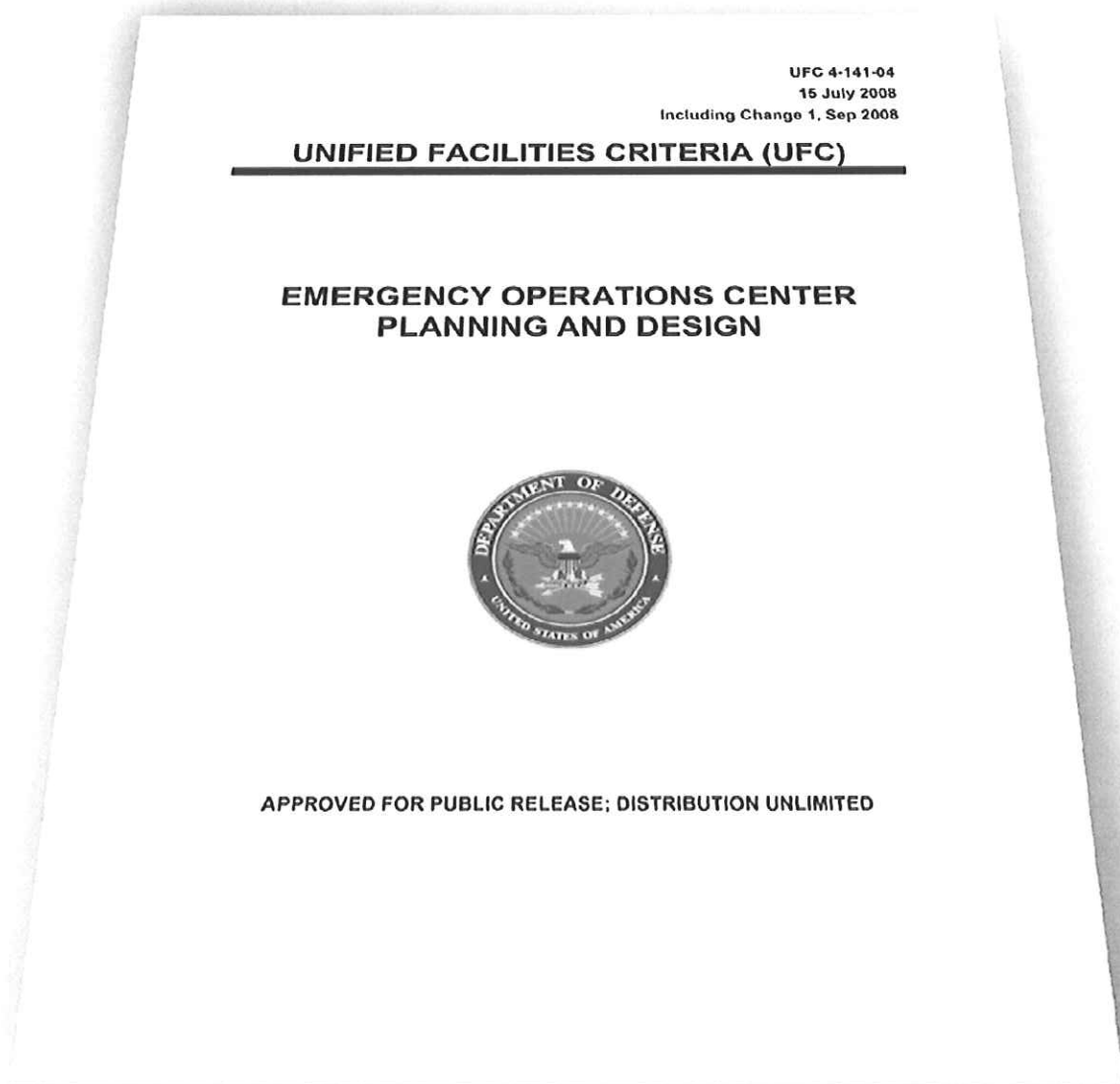
APPENDIX B

RELEVANT PROJECTS



**Federal Design Guide UFC 4-141-04
 "EMERGENCY OPERATIONS CENTER
 PLANNING AND DESIGN"**

All Hands Consulting was brought in as subject matter experts to contribute to the development of the federal standard: **Unified Facilities Criteria (UFC) 4-141-04 for Emergency Operations Center Planning and Design**. The (UFC) system is prescribed by MIL-STD 3007. This UFC provides planning, design, construction, sustainment, restoration, and modernization criteria to be used for the design of EOC's. The UFC applies to Military Departments, Defense Agencies and DoD Field Activities . This UFC can be found by visiting the Whole Building Design Guide website.



Emergency Operations Center (EOC) Miami Beach, Florida

All Hands Consulting provided on-site assistance to fully develop the City's Emergency Operations Center (EOC), emergency plans and procedures. All Hands served as subject matter experts to work on station with the City Emergency Manager to review current EOC staffing and concepts of operations; recommend improvements; fully develop the City's EOC operations plan, information flow and management.



All Hands developed EOC ConOps; EOC position desk books and checklists; established framework for use of WebEOC; and assisted with other program development strategies.



All Hands developed and delivered five Emergency Operations Center (EOC) workshops. One workshop for each EOC section:

*Command,
Operations,
Planning,
Logistics,
Administration/Finance.*

Emergency Operations Center (EOC) Anchorage, Alaska



All Hands Consulting was hired by the Office of Emergency Management in Anchorage, Alaska, to revise the municipality's comprehensive emergency plan, develop the Emergency Operations Center's operating procedures and staff action guides. The firm was hired over a period of several years to provide a variety of services including developing and conducting an EOC tabletop exercise for a biological terrorist event, writing a Biological Terrorism Plan and developing field operating guides.



**Lower Colorado River Authority (LCRA)
Emergency Operations Center
River Operations Center
Hydroelectric Control Center**

LCRA's River Operations Center is located where a network of rivers and dams feed hydroelectric generation and serve to facilitate flood control in the river valley.

All Hands Consulting assisted the architects by analyzing the existing operations and facilities and then developing the initial design of a new Emergency Operations Center, River Operations Center and Hydroelectric Control Center.



All Hands conducted a series of site visits, interviews and facilitated workshops designed to develop the program of requirements for the new center.

All Hands Consulting also reviewed operational procedures, and developed design concepts for the spaces and the furnishings.



The resulting 35,000 sf, \$10.5M facility houses offices, conference areas, and multiple operations centers with advanced emergency management equipment.





West Virginia School Building Authority School Safety and Vulnerability Assessments



All Hands Consulting is currently under contract with the State of West Virginia School Building Authority to provide school vulnerability assessments, training and exercises. All Hands is providing expertise in use of the Department of Homeland Security Automated Critical Asset Management System (ACAMS) and conducted ACAMS training and staffing to accomplish the deliverables.

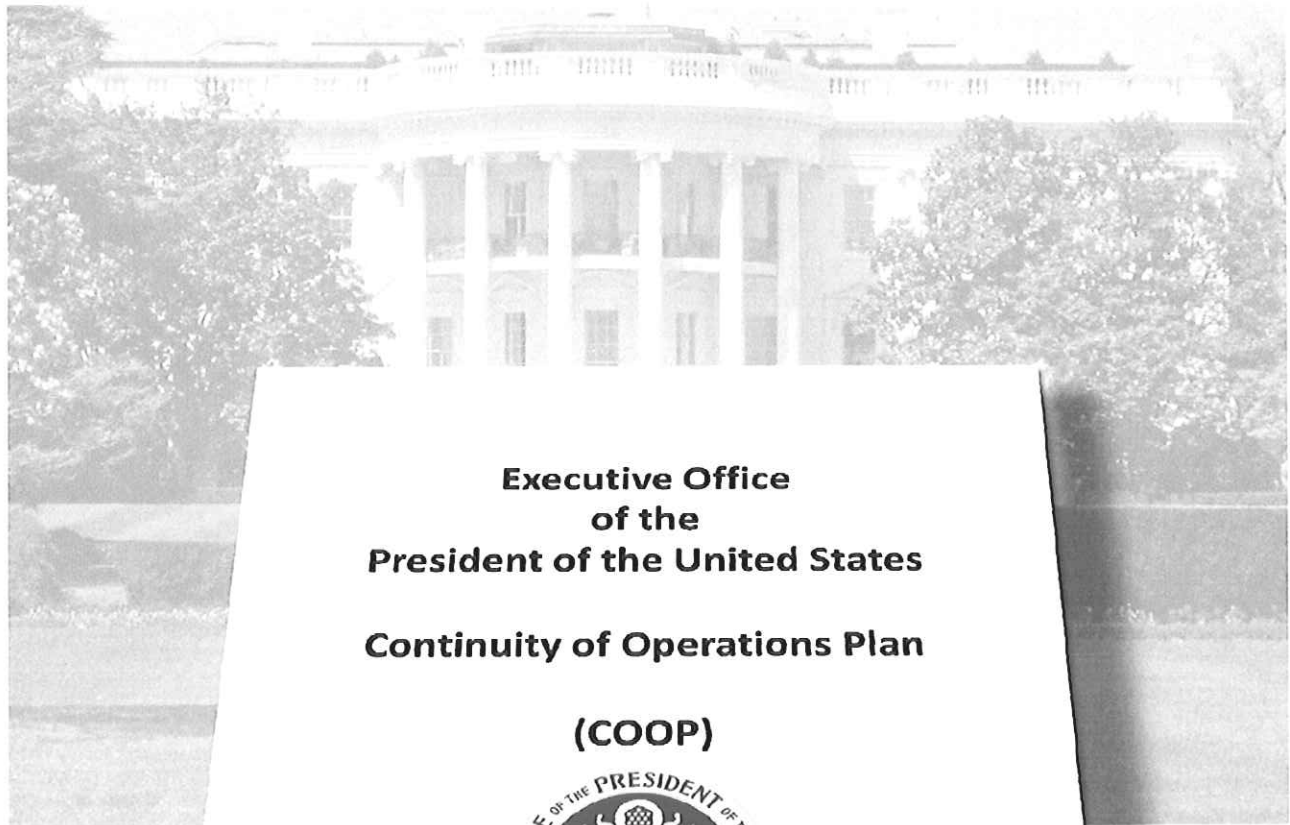
All Hands will provide trained Subject Matter Experts (SME) over the course of two years to assist with workforce management & staffing and to support the overall project management of this process.





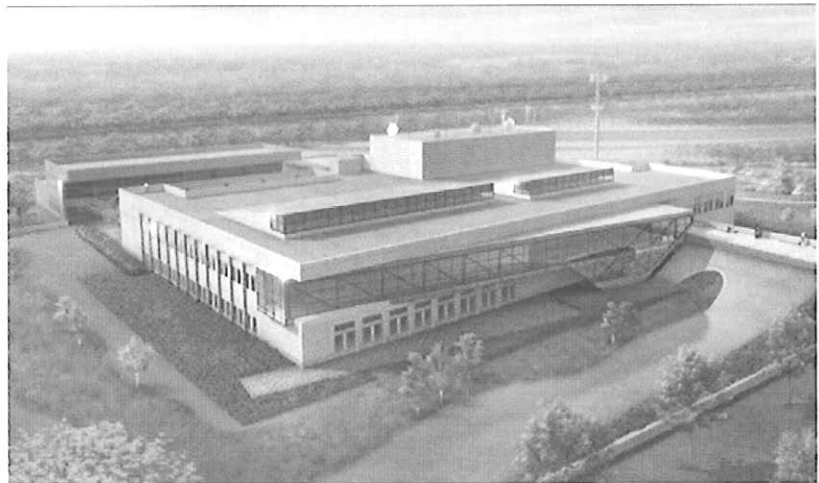
Executive Office of the President (Continuity of Operations Plan)

All Hands Consulting was hired to develop the Continuity of Operations Plan (COOP) for the Executive Office of the President of the United States. The plan was developed for the Office of Administration to be used as a template for other EOP offices such as the Office of Management and Budget and the National Security Council.



Fairfax County, Virginia, Public Safety and Transportation Operations Center (PSTOC) Information Technology and Operations Support

A joint operations function consisting of DPSC (Department of Public Safety Communications (e 911-call dispatch center), Fairfax Office of Emergency Management (OEM), the VDOT's Northern Virginia Smart Traffic Center and the State Police dispatch operations for Northern Virginia. This state of the art facility not only requires a vast array of technology to support its varied, but allied residents, the vision of this combined center requires a level of integrated operations which in turn dictates complexity over the technology design and operational support requirements for this complex.



Services provided include:

- *Project Coordination*
- *Review of Design and Construction Documents*
- *Technology Inventory*
- *Project Schedule*
- *Operations Support*
- *Interoperability Plan*
- *Management Plan*



Security Operations Center (SOC) & Emergency Operations Center (EOC) University of Maryland, College Park



Grimm + Parker is the Architect of Record and Designer for this 27,000 gsf renovation of the existing Pocomoke Building into a fully functional Department of Public Safety for the campus community. As part of the plans, new emergency generator power will be added to the facility to enable critical functions such as the SOC, EOC, IT, E-911, Dispatch, Lockdown Area, etc. to remain operational throughout the duration of an emergency.

To create a redundant facility in the event of a catastrophic emergency, a back-up SOC/EOC is being designed in a remote location off-campus and will accommodate approximately 30 decision-makers from the University.



The image above is the existing UMCP Security Operations Center (SOC) which monitors all security cameras on campus 24/7. The new EOC is being designed in a location directly below the SOC. All Hands is consulting with Grimm + Parker on this project and on the remote location back-up SOC/EOC.



**Combined Marine Reserve Center
Fort Dix, New Jersey**



Grimm + Parker is the Architect of Record and Designer of this new 77,000 gsf, \$24.4M LEED Silver rated Reserve Center for NAVFAC. The building program includes a 5,000 sf training center / Drill Hall, offices, classrooms, conference rooms, fitness room, small arms simulator, site work, structural, IT & MEP.

AT/FP requirements in accordance with UFC 4-010-01 were incorporated into the building and site design based on a Primary Gathering Building located within a Controlled Perimeter at the 25m setback for Conventional Construction.

Since opening at the end of 2010, the facility has received many compliments from the users and the higher ranking officers who come to visit the newest Reserve Center in the area. Below is one of the quotes that we have received regarding our work on this project:

“Wes, the Reserve Center looks great, functional, plenty of light, good traffic flow, and attractive . . . your expertise really paid off here.”

-Major Karl D. Eckert, MARFORRES BRAC/MILCON Project Officer



Center for the Applied Study of Language University of Maryland & The National Security Agency

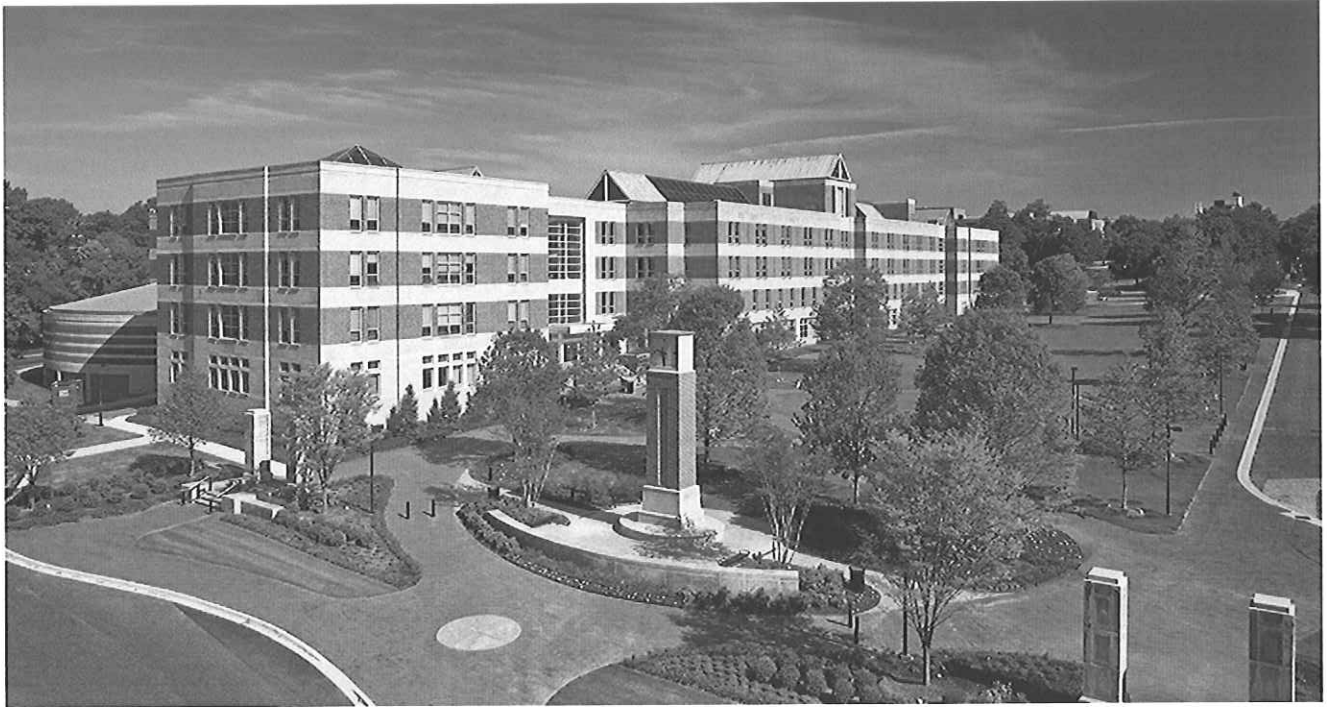


Grimm + Parker is the Architect of Record and Designer of this 130,300 gsf headquarters for a joint use secure research facility to be occupied by the University of Maryland and the National Security Agency. The mission of this project was to create an inspiring environment that did not feel institutional and would enable the users to accomplish their goal to develop the greatest language research center in the United States.

The increased need for language capabilities to support our national security program generated this critical facility which is located just outside of the Washington, DC, beltway. A primary goal in the planning of this building was to allow as much flexibility for future changes in program requirements as possible. The program includes secure research labs, administration spaces, researchers' offices, a state-of-the-art lecture hall and SMART conference rooms capable of conducting long distance communications with remote locations around the world.

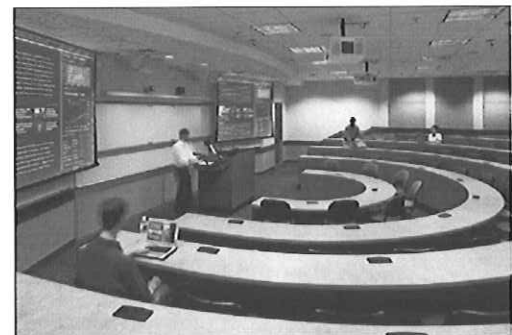


Van Munching Hall Addition Training & Conference Rooms University of Maryland, College Park



Grimm + Parker is the Architect of Record and Designer of this 25,000sf \$30M training / conference center addition to the Van Munching Hall end of the Robert H. Smith School of Business. The project included two “horseshoe” lecture halls, two straight tiered lecture halls, a commons, offices on the second and third floors and an executive briefing room on the fourth floor. All conference and lecture halls are fully wired with the most current technology.

Associated with the building addition was the transformation of an existing surface parking lot into a green academic quad with mature trees and brick pavers as shown in the image above. Provisions were made for emergency vehicle access, emergency phone kiosks and security cameras with appropriate site lighting when planning the new green space in front of the Business School.



Charleston Federal Center Renovation Charleston, West Virginia



Paul A. Walker, AIA, of Paradigm Architecture, while working at a previous firm, was the Design Architect for the renovation of this former federal courthouse to provide office space for the Social Security Administration. This 110,000 sf, \$10M project was awarded through a national design competition. The design was recognized with the *2000 Excellence in Construction Award from the Associated Builders & Contractors, Inc.* and the *2000 Development Project Special Recognition Award from the Charleston Renaissance Corporation.*





US Department of Energy – Office of Legacy Management
Morgantown, West Virginia



Paradigm Architecture is the Architect of Record and Designer for this new 60,000 sf, \$10.7M NARA (National Archives and Records Administration) compliant, archival facility for the United States Department of Energy. This building is designed for LEED Gold certification. This one-story building includes 37,000 square feet of NARA Certified Records Storage space and 23,000 square feet for Administration. The record storage space is conditioned and humidity controlled and includes a 1,200 square foot cold room for microfilm storage.

The Security Systems are designed and operated to meet the Minimum Security Standards for Level III Federal Facilities and are in compliance with Homeland Security Presidential Directive 12.

US Department of Agriculture Office Building Morgantown, West Virginia



Paradigm Architecture is the Architect of Record and Designer for this new 36,000 gsf, \$7.5M General Services Administration facility. This building houses five agencies of the USDA including: the Credit Union, Rural Development, Farm Services Administration, Natural Resource Conservation services, and the USDA Information Technology Services.

The security standards established the perimeter setbacks and the limitations in property width dictated that only visitor parking could be located in front of the building with employee and secured parking in the rear. This functions well because the Tri- Ag Credit Union requires public access and visibility. The remaining agencies generally function as traditional office environments. The southern and western faces of the building are defined by larger window sections which are screened from harsh summer sunlight by an architectural colonnade and continuous sun screens. These treatments in conjunction with the use of three distinct masonry veneer materials add visual interest to a building that is basically a two-story rectangle.



Morgantown Event Center & Parking Garage Morgantown, West Virginia



Paradigm Architecture is the Architect of Record and Designer of the \$30M, 159,000 sf Morgantown Event Center and Parking Garage which is located adjacent to the Waterfront Place Hotel and Conference Center along the Monongahela River in Morgantown. The large main event room is designed to accommodate a variety of event types including concerts, plays, boxing matches, banquets, and conventions. The facility features a full catering kitchen and support spaces. Coordinated the access road design and the driveway entrance onto Don Knotts Boulevard with the WVDOT Headquarters office of Economic Development and the Right-of-Way Division and the District 4 office. This involved designing an access road and drainage structures on WVDOT right-of-way. Coordinated legal responsibility of the road improvements with WVDOT and the City of Morgantown. Review meetings were held with the District Office to ensure proper design setbacks, site distance, and configuration complied with WVDOT standards. An entrance permit was completed and submitted to the District Office.

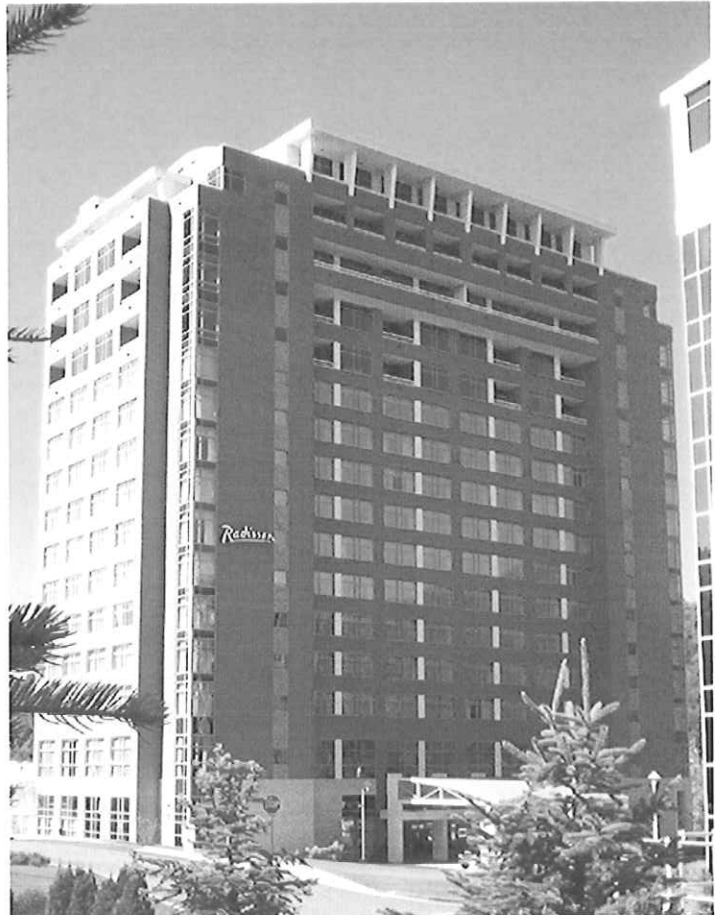
ABC West Virginia Chapter: 2010 Excellence in Construction Award



Waterfront Place Hotel and Conference Center Morgantown, West Virginia

Paradigm Architecture is the Architect of Record and the Designer of the Waterfront Place Hotel in Morgantown, West Virginia. This seventeen story \$35M, 296,427 sf brick veneer full-service hotel features 205 guestrooms, a private concierge clubhouse, 10,000 sq. ft. of flexible meeting and conference space, with state-of-the-art A/V, wireless internet, and a full-service banquet and catering department.

The Waterfront Place Hotel received the *2003 Excellence in Construction Award from the Associated Builders & Contractors, Inc.*





APPENDIX C

REQUEST FOR QUOTATION FORMS



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
 DEFK11031

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 TARA LYLE
 304-558-2544

RFQ COPY
TYPE NAME/ADDRESS HERE
 Paradigm Architecture, Inc.
 2223 Cheat Road, Suite 300
 Morgantown, WV 26508

SHIP TO
 DIV ENGINEERING & FACILITIES
 ARMORY BOARD SECTION
 1707 COONSKIN DRIVE
 CHARLESTON, WV
 25311-1099 304-341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
06/07/2011				

BID OPENING DATE: 07/12/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL EXPRESSION OF INTEREST (EOI) THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, DIVISION OF ENGINEERING & FACILITIES, WV ARMY NATIONAL GUARD, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES FOR THE STATE EMERGENCY CRISIS OPERATIONS CENTER IN CHARLESTON, WV, PER THE FOLLOWING BID REQUIREMENTS AND THE ATTACHED SPECIFICATIONS. MANDATORY PRE-BID A MANDATORY PRE-BID WILL BE HELD ON 06/22/2011 AT 10:00 AM AT THE NUEMEDIA BUILDING LOCATED AT LOCATION #1, FACILITY BUILD-OUT, PARCEL B, LOT 10 NORTHGATE BUSINESS PARK, CHARLESTON, WV. ALL INTERESTED PARTIES ARE REQUIRED TO ATTEND THIS MEETING. FAILURE TO ATTEND THE MANDATORY PRE-BID SHALL RESULT IN DISQUALIFICATION OF THE BID. NO ONE PERSON MAY REPRESENT MORE THAN ONE BIDDER. AN ATTENDANCE SHEET WILL BE MADE AVAILABLE FOR ALL POTENTIAL BIDDERS TO COMPLETE. THIS WILL SERVE AS THE OFFICIAL DOCUMENT VERIFYING ATTENDANCE AT THE MANDATORY PRE-BID. FAILURE TO PROVIDE YOUR COMPANY AND REPRESENTATIVE NAME ON THE ATTENDANCE SHEET WILL RESULT IN DISQUALIFICATION OF THE BID. THE STATE WILL NOT						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

TITLE President	FEIN 63-1263568	TELEPHONE 304.284.5015	DATE 7/18/11
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ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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BID OPENING DATE: **07/12/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>ACCEPT ANY OTHER DOCUMENTATION TO VERIFY ATTENDANCE. THE BIDDER IS RESPONSIBLE FOR ENSURING THEY HAVE COMPLETED THE INFORMATION REQUIRED ON THE ATTENDANCE SHEET. THE PURCHASING DIVISION AND THE STATE AGENCY WILL NOT ASSUME ANY RESPONSIBILITY FOR A BIDDER-S FAILURE TO COMPLETE THE PRE-BID ATTENDANCE SHEET. IN ADDITION, WE REQUEST THAT ALL POTENTIAL BIDDERS INCLUDE THEIR E-MAIL ADDRESS AND FAX NUMBER.</p> <p>ALL POTENTIAL BIDDERS ARE REQUESTED TO ARRIVE PRIOR TO THE STARTING TIME FOR THE PRE-BID. BIDDERS WHO ARRIVE LATE, BUT PRIOR TO THE DISMISSAL OF THE TECHNICAL PORTION OF THE PRE-BID WILL BE PERMITTED TO SIGN IN. BIDDERS WHO ARRIVE AFTER CONCLUSION OF THE TECHNICAL PORTION OF THE PRE-BID, BUT DURING ANY SUBSEQUENT PART OF THE PRE-BID WILL NOT BE PERMITTED TO SIGN THE ATTENDANCE SHEET.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p>TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO TARA LYLE VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS EOI, VIA FAX AT 304-558-4115, OR VIA EMAIL AT TARA.L.LYLE@WV.GOV.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS.

SIGNATURE 	TELEPHONE 304.284.5015	DATE 7/18/11
TITLE President	FEIN 63-1263568	ADDRESS CHANGES TO BE NOTED ABOVE

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BID OPENING DATE: **07/12/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>DEADLINE FOR ALL TECHNICAL QUESTIONS IS 06/28/2011 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER:-----TL/32-----</p> <p>RFQ. NO.:-----DEFK11031-----</p> <p>BID OPENING DATE:-----07/12/2011-----</p> <p>BID OPENING TIME:-----1:30 PM-----</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304.284.5015	DATE 7/18/11
TITLE President	PEIN 63-1263568	ADDRESS CHANGES TO BE NOTED ABOVE

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DATE PRINTED 06/07/2011	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **07/12/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 304.284.5014 ----- CONTACT PERSON (PLEASE PRINT CLEARLY): Paul A. Walker, AIA ----- ***** THIS IS THE END OF RFQ DEFK11031 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304.284.5015	DATE 7/18/11
TITLE President	FEIN 63-1263568	ADDRESS CHANGES TO BE NOTED ABOVE

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 25311-1099 304-341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
07/06/2011				

BID OPENING DATE: 07/21/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
1. QUESTIONS AND ANSWERS ARE ATTACHED. 2. TO MOVE THE BID OPENING FROM 07/12/2011 TO 07/21/2011. 3. PRE-BID SIGN-IN SHEETS ATTACHED. 4. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.						
0001	1	JB		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						
***** THIS IS THE END OF RFQ DEFK11031 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE		TELEPHONE 304.284.5015	DATE 7/18/11
TITLE President	FEIN 63-1263568	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

EXHIBIT 10

REQUISITION NO.: DEFK11031

ADDENDUM ACKNOWLEDGEMENT

I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.

ADDENDUM NO.'S:

- NO. 1X
- NO. 2
- NO. 3
- NO. 4
- NO. 5

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS. VENDOR MUST CLEARLY UNDERSTAND 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.

[Handwritten Signature]
.....
SIGNATURE

Paradigm Architecture, Inc.
.....
COMPANY

7/18/11
.....
DATE

RFQ No. DEFK11031

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: Paradigm Architecture, Inc.

Authorized Signature: [Signature] Date: July 18, 2011

State of West Virginia

County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 18th day of July, 2011.

My Commission expires May 28, 2020.

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature: Sheryl J. Snider]

