

**Department of Administration
Purchasing Division
Building 15
2019 Washington Street, East
Charleston, WV 25305-0130**

BUYER:	TL-FILE 32
REQ.#:	DEFK11024
OPENING DATE:	JANUARY 25, 2011
OPENING TIME:	1:30 PM

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**PURCHASING DIVISION
STATE OF WV**



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
 DEFK11024

PAGE
 1

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

RFQ COPY
 TYPE NAME/ADDRESS HERE

S & S Engineers, Inc.
 501 Eagle Mountain Road
 Charleston, WV 25311

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
12/14/2010				

BID OPENING DATE: 01/25/2011 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 AN ACCESS ROAD, UTILITY UPGRADES AND ROUGH SITE GRADING TO THE CHARLESTON ARMORY COMPLEX, PER THE FOLLOWING BID REQUIREMENTS AND THE ATTACHED SPECIFICATIONS. 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. 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. 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.						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>A. W. ...</i>	TELEPHONE 304-342-7168	DATE 01/24/2011
TITLE President	FEN 55-0601971	ADDRESS CHANGES TO BE NOTED ABOVE

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

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
 2. The State may accept or reject in part, or in whole, any bid.
 3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
 4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
 5. Payment may only be made after the delivery and acceptance of goods or services.
 6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
 7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
 8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
 9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
 10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
 11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
 12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
 13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.htm and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
 14. **CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
 15. **LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
 16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.
- I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



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Charleston, WV 25311

DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION
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CHARLESTON, WV
25311-1099 304-341-6368

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LINE	QUANTITY	UQP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>DEADLINE FOR ALL TECHNICAL QUESTIONS IS 01/06/2011 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>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>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.:-----DEFK11024-----</p> <p>BID OPENING DATE:-----01/25/2011-----</p> <p>BID OPENING TIME:-----1:30 PM-----</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *[Signature]* TELEPHONE **304-342-7168** DATE **01/24/2011**
 TITLE **President** FEIN **55-0601971** ADDRESS CHANGES TO BE NOTED ABOVE

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SHIP TO
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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
1. QUESTIONS AND ANSWERS ARE ATTACHED. 2. 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.						
EXHIBIT 10						
REQUISITION NO.: DEFK11024						
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. 1 <i>Ans</i>						
NO. 2 <i>Ans</i>						
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.						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *Arusang* TELEPHONE (304)342-7168 DATE 1/24/2011

TITLE PRESIDENT FEIN 55-0601971 ADDRESS CHANGES TO BE NOTED ABOVE

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<p>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.</p> <p style="text-align: center;"> SIGNATURE S & S Engineers, Inc. COMPANY 1/25/2011 DATE </p> <p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.</p> <p>REV. 09/21/2009</p> <p style="text-align: center;">END OF ADDENDUM NO. 2</p>						
0001	1	JB		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						

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TITLE PRESIDENT	FERN 55-0601971	ADDRESS CHANGES TO BE NOTED ABOVE

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<p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 304-342-7169</p> <p>-----</p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY): Ashok M. Sanghavi, P.E.</p> <p>-----</p> <p>***** THIS IS THE END OF RFQ DEFK11024 ***** TOTAL:</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *Ausang* TELEPHONE **(304) 342-7168** DATE **1/24/2011**
 TITLE **PRESIDENT** FEIN **55-0601971** ADDRESS CHANGES TO BE NOTED ABOVE

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RFQ No. DEFK11024

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 exceeds 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: S & S Engineers, Inc.

Authorized Signature: *[Signature]* Date: 1/25/2011

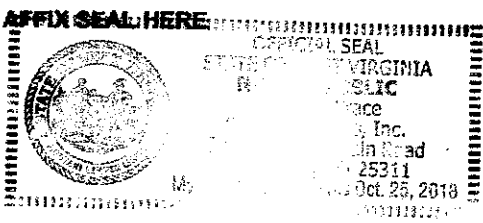
State of West Virginia

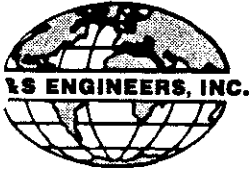
County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 25 day of January, 2011.

My Commission expires October 25, 2012.

NOTARY PUBLIC *[Signature]*





501 Eagle Mountain Road
Charleston, WV 25311
(304) 342-7168
(304) 342-7169 FAX
s-s-eng@wvdsi.net

January 24, 2011

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

Re: WV Army National Guard
Charleston Armory Complex
Access Road & Utility Upgrades
DEFK 11024
Charleston, WV

Purchasing Division:

We are pleased to submit two (2) original plus one (1) copy on CD of single PDF file of our proposal to provide engineering services for the referenced project.

S & S Engineers, inc. has provided Charleston Camp Dawson, Kingwood and Salem Armory with civil engineering services in past and we are very familiar with the project area as our offices are located in the Yeager Airport Complex. Recently, we have provided drainage correction services to a portion of this complex through Yeager Airport Project in Coonskin Park.

S & S has carried out similar projects throughout State of West Virginia for various clients over the past 30 years.

We are located within five (5) minutes of the Charleston Armory Complex and therefore can provide most cost-effective and timely services.

We would appreciate an opportunity to present our detailed qualifications and answer any questions regarding the project approach.

Please call me at (304) 342-7168, if you have any questions or need further information.

Very truly yours,

S & S ENGINEERS, INC.

Ashok M. Sanghavi, P.E., DEE, QEP
President

Enclosures

• ENGINEERS
• DESIGNERS
• SURVEYORS

• ENVIRONMENTAL
• MUNICIPAL WASTE
• INDUSTRIAL WASTE
• STORMWATER/SCP
• NPDES PERMITS
• CIVIL DESIGN
• LAND PLANNING
• LAND SURVEYS
• DIGITAL MAPS
• HYDROLOGY
• ENVIRONMENTAL
• SITE ASSESSMENT
• GPS/GIS
• CONSTRUCTION
• MANAGEMENT

**WEST VIRGINIA ARMY NATIONAL GUARD
JOINT FORCES HEADQUARTERS
CONSTRUCTION & FACILITIES MANAGEMENT OFFICE
1703 COONSKIN DRIVE
CHARLESTON, WV 25311**

**PROPOSAL FOR
DESIGN & ENGINEERING SERVICES
CHARLESTON COMPLEX ACCESS ROAD & UTILITY UPGRADES
DEFK 11024
CHARLESTON, WEST VIRGINIA**

JANUARY 2011

**S & S ENGINEERS, INC.
501 EAGLE MOUNTAIN ROAD
CHARLESTON, WV 25311
(304) 342-7168
(304) 342-7169 (FAX)
Email: S-S-ENG@WVDSL.NET**



**WEST VIRGINIA ARMY NATIONAL GUARD
JOINT FORCES HEADQUARTERS
CONSTRUCTION & FACILITIES MANAGEMENT OFFICE
1703 COONSKIN DRIVE
CHARLESTON, WV 25311**

GENERAL

The West Virginia Army National Guard, Joint Forces Headquarter Construction and Facilities Management Office desires to construct an access road, utilities upgrade and rough grading plan for future building sites.

SPECIFICS

S & S Engineers, Inc. is very familiar with the Army national Guard Facility having completed projects in and around the project locations. We have provided services to WVANG facilities in Charleston and Salem, WV for wastewater package plants and oil/water separator.

We will carry out a field surveys, access road design, utility upgrade and grading plans in a timely and cost-effective manner as we are located in the Yeager Airport Complex. We have recently carried out projects in Coonskin Park and therefore, very familiar with the area.

S & S APPROACH

S & S Engineers (S & S) believes in a team approach for the development of projects. Therefore, our first task is to always meet with WVANG - Facilities and Management officials and evaluate the project requirements and gain input from local officials and system operators. Following data gathering, the firm will develop a proposal that meets the clients needs at a reasonable cost. S & S specializes in working with smaller project mindful that planning, design, construction and future operations require careful consideration to assure projects are developed in the most cost effective manner possible.

DESIGN PHASE

S & S will prepare contract documents including plans and specifications conforming to WVANG requirements. Our design phase will be carried out as follows:

1. Define Existing Conditions

Assemble and evaluate data to eliminate conflicts and redundancy. All major decisions regarding data will be discussed with the WVANG officials and WVDEP. Important data sources include, but are nor limited to the following:

- WV Army national Guard
- WV Division of Highways



- WV Department of Environmental Protection
- City of Charleston Sanitary Board
- WV American Water Company
- Soil Conservation Service
- Public Lands Corporation

2. Identify Problems

- Existing Topography
- Existing Water, Sewer, electric, gas, cable, telephone and other utility Services
- Existing Service Connections
- Hydraulic Analysis

3. Preliminary Design

- Preliminary Layout
- Land surveys for mapping, rights-of-way, and land acquisition
- Coordination with the WVANG, DOH, and WVDEP
- Preliminary Cost Estimates
- Preliminary review with the WVNR

4. Final Design

- Incorporate review comments from the WVANG, DOH, WVAWC, City of Charleston, WVDEP, and other utilities
- Prepare detailed plans, specifications, and design report in accordance with federal and state guidelines
- Attend public meetings
- Prepare final cost estimates
- Secure permits from DOH, WVDEP and other agencies
- Prepare bid documents
- Conduct pre-bid conference
- Assist in advertising for bids, attend bid opening, and assist in evaluation of bids with recommendations for awarding the construction of the project(s)

CONSTRUCTION PHASE

S & S will provide the following services during the construction phase of the project:

1. Administrative Services

- Assist and advise the WVANG in the preparation of construction contracts for signature(s).
- Issue a "Notice to Proceed" to the appropriate Contractor(s).



- Provide consultation and advise to the WVANG during construction
- Preparation of elementary and supplementary sketches and/or drawings required to resolve problems arising from actual field conditions encountered.
- Review and approve shop drawings, diagrams, illustrations, brochures, catalog data, schedules, and samples, results of tests and inspections, other data which the contractor(s) is required to submit, but only for conformance with the design concept of the Project and compliance with the information given in the contract documents. Receive and review maintenance and operating instructions, schedules, guarantees, bond and certificates of inspections which are to be assembled by the contractor(s) in accordance with the contract documents.
- Review and approve requests for periodic and final payments to the contractor(s).
- Issue certificates of completion to the WVANG for completed construction contracts.
- Review original drawings and provide AutoCAD disk to the WVANG and two (2) sets of black line prints of "as-built" plans.
- Advise the WVANG whether the project is capable of meeting the project performance standards.
- Attend monthly Board meetings during the construction period.
- Represent WVANG in technical matters and litigation, if required.
- Provide engineering services during start-up of the facility.
- Provide training to WVANG employees for the operation of the new facility.
- Provide one (1) year project performance certification.

2. Field Services

- A Qualified Design Professional will make periodic visits to the site to observe the progress and quality of the executed work, and determine, in general, if the work is proceeding in accordance with the contract documents. Efforts will be directed toward providing assurance to the WVANG that the completed project will conform to the requirements of the contract documents.
- Make general monthly construction progress reports to the WVANG.
- Observe initial operation of the project, or any performance tests as required by the specifications.
- Make final inspection and report on the completed project.
- Advise the WVANG of any special test or necessary outside services that may be required to assist construction of the project.
- On the date, one (1) year after the initiation of the operation of the project, a Professional Engineer shall certify to the WVANG whether the project is capable of meeting the project performance standards in accordance with requirements for the project.

3. Resident Inspection Services During Construction

- General: A Resident Project Representative(s) will be furnished for each construction contract (as a minimum) to provide extensive representation at the project site during the construction phase. Through more extensive on-site observations of the work in progress and field checks of materials and equipment by the Resident Project Representative(s), the Owner will be provided further protection against defects and deficiencies in the work.
- In addition to the general duties outlined above, the Resident Project Representative(s) will:
 - Observe the installation of approved materials and equipment and construction techniques and procedures in accordance with contract documents.
 - Aid in public relations activities as the construction progresses through private property.
 - Monitor the construction schedule and report conditions which may cause delay in completion.
 - Review contract documents with the contractor's superintendent. Obtain necessary interpretations and transmit them to the contractor.
 - Consider the contractor's suggestions and recommendations, evaluate them and submit them with recommendations for a final decision.
 - Attend field meetings as directed and report on the proceedings.
 - Observe tests required by the contract documents. Record and report test procedures and, where applicable, the results.
 - Maintain records at the construction site in an orderly manner. Include correspondence, change orders, supplementary drawings, requests for payment, and names and addresses of contractors, subcontractors, and principal material suppliers.
 - Keep a diary or log book recording time and activities related to the project, weather conditions, nature and location of work being performed, verbal instructions and interpretations given to the contractor, and specific observations. Record any occurrence of work that might result in a claim for a change of contract sum or contract time. Maintain a list of visitors, their titles, and time and purpose of their visit.
 - Review applications for payment submitted by the contractor and forward them with recommendations for disposition.
 - Prepare a punch list as construction nears completion. Inform contractor of items on punch list.
 - Assist in final inspection of the work.

SPECIAL SERVICES

1. Land Surveys
 - Mapping for Design
 - Easements and right-of-way plat maps
 - Verify existing aboveground and underground utilities
 - Construction stakeout
2. Public Meetings
 - Attend public meetings and represent the WVANG on technical matters
3. Technical Meetings
 - Attend meetings with WVANG, DOH, WVDEP, etc.
4. Technical Assistance
 - Furnish technical assistance to the Owner for second phase of project.
5. Technical Expert Testimony
 - Provide technical testimony before courts and/or administrative hearings related to the project

INSURANCES

S & S carries \$ 2,000,000 Professional Liability, \$ 1,000,000 General Liability, \$ 1,000,000 Automobile Liability and \$ 2,000,000 Aggregate Liability Insurances.

S & S is insured for Worker's Compensation by the Hartford Insurance.



CURRICULUM VITAE

ASHOK M. SANGHAVI, P.E., DEE, QEP

PRESIDENT

SUMMARY

Forty One years of professional experience in environmental, water supply, wastewater, solid wastes management, civil and mining engineering fields. He has provided planning, design, construction management and technical expert testimony for environmental, civil engineering, land development and mining projects. He has prepared Phase I environmental site assessments and carried out subsequent Phase II and Phase III remediation work. He has also prepared portions of environmental impact statements for highway projects. Having worked for state government, as well as private firms, he thoroughly understands both sides. He has extensive knowledge of the state and federal water supply, UST, wastewater and reclamation laws and regulations. In addition, he is fully familiar with federal/state grant and loan programs. He has testified as a technical expert in state & federal courts.

EXPERIENCE WITH FIRM 1980 -

**S & S Engineers, Inc.
President**

As the president of the firm, he manages all the projects, assuring professional work and timely completion of work at reasonable fees. He has *hands on* experience in planning, design and construction management and troubleshooting activities in water supply, wastewater, subdivisions, streets and haulroads, site planning, parking lots, stormwater runoff control, utilities and environmental fields. He has provided technical expert testimony in courts on drainage control, sediment control, wastewater discharges and environmental impacts. He has thorough knowledge of federal and state grant/loan programs.

PAST EXPERIENCE 1978-80 1970-74

**West Virginia State Health Department
1) Acting Chief, Wastewater Division; 2) District Engineer; 3) Water Supply Engineer**

In various capacities, he has gained valuable experience related to water supplies from abandoned mines for small communities, wastewater treatment needs, assistance in planning and design of water and wastewater systems, governmental functions such as writing regulations, design standards, liaison with public, private groups and other agencies. He prepared "draft" design standards for wastewater systems which are now adopted by the State Health Board.



1974-78

**Flaherty-Giavara Associates; New Haven, Connecticut
Project Manager**

Experience includes planning and design of wastewater facilities, recreational facilities, solid waste management plans and general environmental services.

**ACADEMIC
BACKGROUND**

M.S.C.E. (Major - Environmental Engineering) 1970
Partial course work for Ph.D.

**PROFESSIONAL
REGISTRATION**

Registered Professional Engineer, West Virginia
Registered Professional Engineer, Ohio
Registered Professional Engineer, Kentucky
Registered Professional Engineer, Virginia
Diplomate, American Academy of Environmental Engineers
Qualified Environmental Professional, IPEP

**PROFESSIONAL
AFFILIATIONS**

Member, Water Pollution Control Federation (President, WV Section, 1987-88) (National Director 1989-92)
Member, American Water Works Association

AWARD

Arthur Sidney Bedell Award, Water Environment Federation, (1993)



CURRICULUM VITAE

JESSIE O. PARKER, JR., P.E.

VICE PRESIDENT

SUMMARY

Eight years of civil engineering projects including water, wastewater, storm sewers, drainage calculations, grading plans, inspections, payment request approvals, quantity & cost estimates, having worked with Contractors, City & PSD personnel, private sector, regulatory and funding agencies, he is able to move the project in a professional, cost-effective and timely manner.

EXPERIENCE WITH FIRM

S & S Engineers, Inc.

Experience includes planning, land development, design, and construction management for a variety of environmental and civil engineering projects. This encompasses line layout, hydraulic analysis, pump and booster station designs, plant layout and design, process design, specification writing, permitting, storm water and drainage control, and cost estimating, as well as management of all phases and details of the projects. He works closely with all involved parties to ensure timely, cost efficient, and successful projects. He has also written several preliminary engineering reports and environmental reports. Some of the representative projects are summarized below.

- 1) **Ellenboro - Lamberton PSD, Ritchie County, WV** - Ritchie County Industrial Park Water & Sewer Line Extension Project. Planning, design and construction management to extend water line and sewer line, and water booster and storage tank to serve the proposed industrial park.
- 2) **Town of Fort Gay, Wayne County, WV** - Meeting House Branch Road Waterline Extension Project. Design for water line extension to serve approximately 40 customers.
- 3) **Yeager Airport, Kanawha County, WV** - Runway 23 and Taxiway A Expansion Project. Design of stormwater and drainage control structures along with calculations for WVDEP NPDES Storm Water Permit, and design and preparation of Stream and Wetland Mitigation Plan for WVDEP 401 Water Quality Certification and USACOE 404 Permit.
- 4) **Yeager Airport, Kanawha County, WV** - Planning and preparation of environmental audit for Rent-A-Car facility.



- 5) **John Bosley Enterprises, Wood County, WV** - Design of stormwater and drainage control structures along with calculations for WVDEP NPDES Storm Water Permit.
- 6) **USDA - Forestry Department, Menifee County, KY** - Frenchburg Conservation Center Wastewater Treatment Plant Replacement Project. Design of a 0.03 mgd packaged wastewater treatment plant to replace the existing treatment pond.

**ACADEMIC
BACKGROUND**

WVU Institute of Technology, Montgomery, WV
B. S. Civil Engineering - 2002

Marshall University, South Charleston, WV
M.S. Engineering - May 2006

**PROFESSIONAL
REGISTRATION**

Registered Professional Engineer, West Virginia

**PROFESSIONAL
AFFILIATIONS**

Member, Water Environment Federation
Member, American Society of Civil Engineers



CURRICULUM VITAE

RANDY BROOKS CRACE, P.S.

VICE PRESIDENT

SUMMARY

Thirty six years of surveying and technical experience. Areas of concentration in boundary surveys, hydrology, topography, wastewater collection systems, hazardous waste site mapping, highway surveying, subdivision development, mapping, and construction stakeout, site planning, solid waste disposal permits, aerial mapping controls, GPS control networks, right of ways, oil and gas well locations, land development projects, stormwater control plans, retention structures, site grading and drainage parking lot layout & traffic control, AutoCadd / Softdesk / Eagle Point software, computer network designing, Phase I - ASTM environmental site assessment and technical expert witness testimony in surveying field.

EXPERIENCE WITH FIRM

S & S Engineers, Inc.
Vice President

Management of support staff for engineering and land surveying projects for EPA, HUD, WVDOH, industrial, commercial, and private development. Reporting directly to the president for project budgets, manpower estimates, staff assignments and contract management.

EXPERIENCE WITH OTHER FIRMS

Surveyor

Duties included management of multiple survey crews and office support staff on layout of short span bridges, right of way maps, oil & gas well locations, mining permits, Department of Health permits, commercial site surveys, site planning, subdivision design of lots and utilities, driveway approaches, and basic surveying and mapping services to the general public.

Survey Crew Chief

Directed field survey crew for engineering surveys for mining permits, quantity estimates, mountain top removals, alignment of overland belts, boundary locations, royalty line controls.

Engineering Technician

Assisted the engineer on the preparation of surface and deep mine maps, coal property maps for investors, mining permit applications, mineral reserve estimates and geologic columns of core drilling.



U.S. Army - SP4
Honorable Discharge 1974

**ACADEMIC
BACKGROUND**

MUCGS, Institute, WV
Attended graduate classes toward M.S., Major in
Environmental Studies

West Virginia State College, Institute, WV
BA, Major Industrial Technology, December 1989

Cedar Lakes Conference Center, Ripley, WV
OSHA 40 Hour Hazardous Materials, July 1990

AGC/WSDOT
Construction Site Erosion and Sediment Control Certification
Spokane, WA

Environmental Site Assessment
Commercial Real Estate Certification
ASTM E-1527 & E-1528
Phoenix, AZ

West Virginia Department of Environmental Protection
Approved Person - Mining Permits 1986

Putnam County Schools, Hurricane, WV
Real Estate Law, 90 Hour certificate, 1985

**ACSM Surveying Instrumentation and Coordinate Computation
Certificate, 1978**

U.S. Army Ordinance Center, Aberdeen, MD, 1972
Certificate in Fuel and Electrical Systems Repair

Center College, Charleston, WV 1970
Technical Degree, Drafting

**PROFESSIONAL
REGISTRATIONS**

Professional Surveyor, West Virginia, 1982
Professional Surveyor, Ohio, 1990
Registered Surveyor, Kentucky, 1982

**PROFESSIONAL
ASSOCIATIONS**

Member, West Virginia Society of Professional Surveyors
Member, American Congress on Surveying & Mapping
Member, National Society of Professional Surveyors
Associate, American Institute Architects, WV



CURRICULUM VITAE

RYAN M. EDMONDS, EIT

PROJECT ENGINEER

SUMMARY

Four and one-half years of civil engineering projects including rural and urban site development, public and private roadways, subdivisions, water, wastewater, storm sewers, grading plans, drainage computations, soil erosion and sediment control, landscaping, and quantity cost estimates. He has provided planning, design, and construction management for residential, commercial and industrial development of general civil engineering projects.

EXPERIENCE WITH FIRM

**S & S Engineers, Inc.
Project Engineer**

Experience includes approval of contractor submittal requests and preparation of project Asset Management Plan.

PAST EXPERIENCE

**Terra Engineering and Land Solutions, PC, Stuarts Draft, VA
Design Engineer**

Experience includes planning, design, and construction management for various civil engineering development projects. The work associated includes but not limited to: site plan layout, topographic base mapping, boundary surveys, road design, storm water management for water quality and quantity, site grading, erosion and sediment control, specification writing, environmental permitting, earthen dam inspections, and cost estimation. Worked closely with clients, contractors, and regulatory agencies throughout all phases of the projects to ensure a cost effective and timely completion of each respective project. Some of the representative projects are summarized below.

- 1) **Valley Real Estate Concepts, LLC, Town of Grottoes, VA** - Served as interim Project Manager for completion of the planning, design and construction management of a new commercial building. Worked extensively with the developer and architect to achieve a Platinum level of LEED certification through the use of various alternative engineering and architectural design concepts. Prepared detailed construction documents and storm water management computations for the site development.
- 2) **Weaver Insurance, City of Waynesboro, VA** - Served as interim Project Manager to provide planning, design, and construction management for a new commercial office building. Prepared detailed construction documents and storm water management computations for the site development.



- 3) **14th Sreet Apartments, City of Charlottesville, VA** - Served as interim Project Manager to provide planning, design, and construction management for two (2) new high-density residential buildings. Prepared detailed construction documents, storm water management computations, and construction specifications for the site development.
- 4) **850 Estes Street, City of Charlottesville, VA** - Served as interim Project Manager to provide planning and design for a new multi-use residential and office condominium. Prepared detailed construction documents, storm water management computations, and construction specifications for the site development.
- 5) **Brookwood, Phase III, City of Charlottesville, VA** - Served as interim Project Manager to redesign the road layout and building layout to accommodate single-family detached housing. Prepared detailed construction documents and storm water management computations. Provided construction management services throughout the duration of construction.
- 6) **Zion Crossroads Industrial Park, Louisa County, VA** - Served as interim Project Manager to provide planning and design for a new industrial warehouse. Prepared detailed construction documents and storm water management computations.
- 6) **Wexford Subdivision, Greene County, VA** - Served as interim Project Manager to redesign storm water management piping system for a forty (40) Lot Subdivision. Additionally, provided construction management services along with preparation of As-Built Plans after construction for both roads and utilities.
- 7) **Andrew's Crossing, Louisa County, VA** - Assisted Project Engineer with the redesign of the proposed subdivision road to lessen the impact to the areas containing wetlands. Worked with USACE, DEQ, and VMRC to obtain permitting for construction within the wetlands. Additionally, prepared storm water management computations for road culverts.
- 8) **Moore's Creek, City of Charlottesville, VA** - Assisted Project Engineer with the redesign of the above ground storm water management facility. Prepared storm water management computations for water quality and quantity.

**ACADEMIC
BACKGROUND**

West Virginia University, Morgantown, WV
B.S. Civil Engineering - 2003

CERTIFICATION

WV EI Certificate #8769



CURRICULUM VITAE

BRIAN J. CONDRON, SIT

SURVEY PARTY CHIEF

SUMMARY

Sixteen years of surveying experience with major emphasis on aerial photography control surveys, GPS control surveys, construction layout, earthwork projects, topographic mapping, location surveys and roadway surveying. Competent in the use of robotic and conventional total stations, data collectors, and Autocad drafting.

EXPERIENCE WITH FIRM

**S & S Engineers, Inc.
Survey Party Chief**

Duties include supervising survey crews, performing all stages of field work with various types of survey equipment including auto-tracking robotic total stations, conventional total stations, and control-grade GPS receivers. Responsible for project research, data collection survey note reduction, computations, and computer drafting. Involved with various WVDOH funded highway projects including horizontal and vertical controls, property surveys, right-of-way, construction layout and mapping.

PAST EXPERIENCE

Survey Party Chief

Responsible for contacting clients and performing courthouse research. Supervised a rod person and operated a total station for rural boundary surveys. Managed up to a four person survey crew, coordinated surveys and client meetings, performed all stages of survey research, and used Autocad to generate plats.

Instrument Operator

Operated a total station for acreage and location surveys, operated a theodolite with EDM for boundary line surveys and supervised a rod person.

Rod/Chain Person

Operated rod for property line surveys, flood elevation certificates, land and coal stockpile topography projects. Cut cross section lines. Responsible for maintaining equipment.

ACADEMIC BACKGROUND

West Virginia Institute of Technology, Montgomery, WV
BS, Surveying Engineering Technology, May 1995.

West Virginia Institute of Technology, Montgomery, WV
AS, Civil/Surveying Engineering Technology, May 1991

Hurricane High School, Hurricane, WV

Graduated in top 10 percent of class in Academics Program, June 1988.



CURRICULUM VITAE

DAVID MATT SHELTON

CIVIL ENGINEERING TECHNICIAN
CONSTRUCTION INSPECTOR

EXPERIENCE WITH FIRM

Employed as Civil Engineering / Survey Technician or Inspector. Experienced in site grading, surveying, quantity surveys, building layout, water & sewer system design, construction inspection on civil engineering projects.

Two years as Civil Engineering Technician. Experience as Engineering Technician includes design of pump stations, water & sewer lines, manholes, drainage calculations, and quantity estimates.

Three years on Survey Crew. 6 months as Rodman and 2½ years as Instrument Man. Experience as Instrument man includes topographic surveys, construction stakeout for water & sewer systems and highways, cut sheets for sewer systems, GPS surveying for field control work, etc.

ACADEMIC BACKGROUND

WVU Institute of Technology, Montgomery, WV

A. S. Civil Engineering Technology - (December 2004)

B. S. Civil Engineering Technology - (May 2005)



CURRICULUM VITAE

MICHAEL WHITMAN

CONSTRUCTION INSPECTOR

SUMMARY

Experience in construction management, record keeping, quantity and payment reviews, inspection, site grading, and surveying. Having worked with general contractors, subcontractors, community representatives and residents, he has developed solid techniques to move the projects in a professional, cost-effective and timely manner.

EXPERIENCE WITH FIRM

S & S Engineers, Inc.

Employed as construction inspector for Prichard PSD and Town of Sophia wastewater system project. Previously completed Chelyan PSD's Cabin Creek Sewer Extension Project - Phase II. Duties include sewerline & pump station construction inspection, keeping daily log books, maintain tap reports and as-builts, quantity estimates and pay requests.

EXPERIENCE WITH OTHER FIRM

Thrasher Engineering - Oct. 2003 - July 2004

Pea Ridge Public Service District - Wastewater System Project

July 2004 - November 2004

Union - Williams Public Service District

Boyles & Hildreth - Apr. 2005 - Dec. 2005.

Walton Public Service District - Water System Project

Various job duties included construction inspection, installation of telecommunication and cable lines; construction stakeout, concrete testing, heavy equipment operator, assist surveyor and several other construction related duties.

ACADEMIC BACKGROUND

Glenville State College

Course work in Environmental Technology

Spencer High School Graduate



PROJECT EXPERIENCE

1. Toyota Motor Manufacturing of West Virginia; Buffalo, WV - S & S was responsible for the 200 acre site preparation phase for the new engine plant in Putnam County. Work included construction inspection, quality assurance, sediment ponds and drainage structures, access road, quantity and pay estimates.
2. Riverside High School; Kanawha County, WV - S & S provided field surveying, topographical mapping, utilities, construction stakeout for new high school and athletic facilities located on 45 acres.
3. Quincy Center Industrial Park; Quincy, WV - S & S provided site planning, preliminary layout, access roads, site grading and utilities for 150 acre industrial park.
4. Holiday Inn, Barboursville, WV – S & S provided construction storm water permits, design of access roads, WV Department of Highways entrance and beautification permits, site grading plan with cross sections, utility connection plans, WV Department of Health utility extension permit services and assistance to owner in contractor mediation.
5. J.C. Bosley Construction Company, Parkersburg, WV - S & S provided property surveys, topographic mapping, storm water permits, shopping center conceptual drawings, residential subdivision, design of access roads, WV Department of Highways entrance and beautification permits, site grading plans, storm water retention plans and utility connection plans.
6. Harbinger Development, Charleston, WV – S & S provided property surveys, topographic mapping, construction storm water permits, design of access roads, WV Department of Highways entrance permits, site grading plans, storm water retention facilities, utility connection plans, WV Department of Health utility extension permit services and as-built final surveys for 24 to 32 units apartment buildings at 15 sites throughout West Virginia.
7. Yeager Airport; Charleston, WV - S & S has provided engineering, surveying, for various projects including pavement replacement, construction stormwater with USACE 404 and WVDEP 401 Permits, natural stream design restoration plans, terminal upgrades, environmental site assessments, pretreatment facilities permitting, water and wastewater system connections.
8. McDonald's Restaurants, Sites in WV, OH and KY - S & S provided property surveys, topographic mapping, storm water permits, design of access roads, WV Department of Highways entrance permits, site grading plans, storm water retention plans, utility connection plans and as-built surveys.



9. Wendy's Restaurants, Sites in WV, OH and KY - S & S provided property surveys, topographic mapping, storm water permits, design of access roads, WV Department of Highways entrance and beautification permits, site grading plans, storm water retention plans, utility connection plans and as-built surveys.
10. Built-to-Suit, Inc., Biolife Plasma Center, Barboursville, WV - S & S provided topographic mapping, storm water permits, design of access roads, site grading plans and utility connection plans.
11. Kanawha County Park & Recreation – Schonebaum Soccer Field and Amphitheater site, grading, access road & utilities planning, design and construction administration.
12. WV Army National Guard, Charleston, WV – Engineering services for package wastewater treatment plants, NPDES renewal and oil/water separators for Charleston and Salem Armory (1985).
13. WV Army National Guard, Camp Dawson, Kingwood, WV – Planning, design and construction administration of groundwater wells and water treatment plant (1986).



CLIENT REFERENCES

1. Ms. Amy Miller (412) 631-1484
McDonald's Corporation
Omega Corporate Center, Suite 1390
1000 Omega Drive
Pittsburgh, PA 15205
2. Mr. Richard A. Atkinson, III (304) 344-8033
Central WV Regional Airport Authority
Yeager Airport
100 Airport Road, Suite 175
Charleston, WV 25311
3. Doug Pauley (304) 343-3535
Harbinger Development
2010 Quarrier Street
Charleston, WV 25311
4. Mr. Jeff Hutchinson (304) 341-8000
Kanawha County Parks & Recreation Commission
2000 Coonskin Drive
Charleston, WV 25311
5. Mr. Charles Wilson, AIA (304) 348-6148
Director of Facilities Planning
Kanawha County Schools
3300 Pennsylvania Avenue
Charleston, WV 25302
6. Mr. Carl Midkiff (740) 866-8703
Uptowner Inns, Inc.
P. O. Box 2172
Huntington, WV 25701
7. Colonel J. S. Powers (304) 746-2100
West Virginia State Police
725 Jefferson Road
South Charleston, WV 25309
8. Mark Spencer, AIA (304) 345-1811
Associated Architects
318 Lee Street West
Charleston, WV 25302

