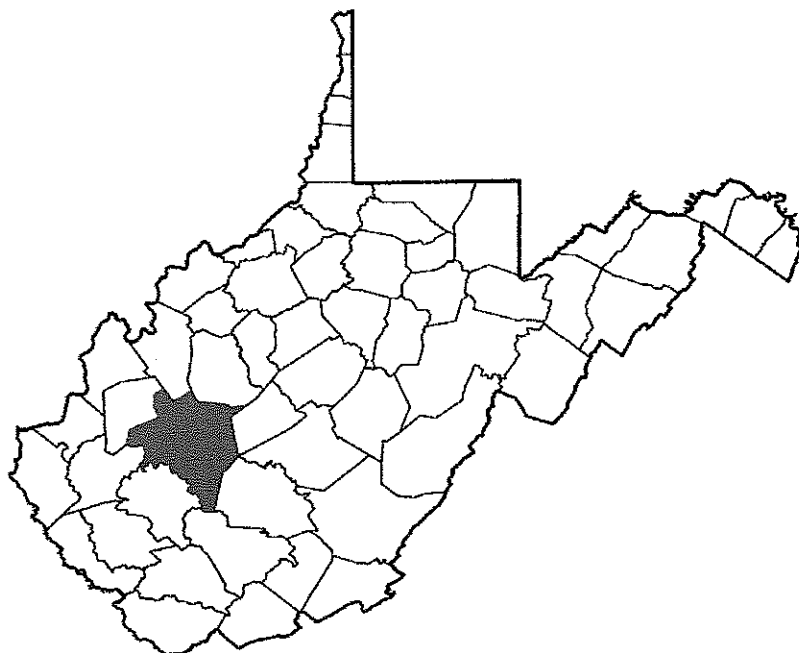




Proposal for
Architectural/Engineering Services
RFQ: #DEFK11024
Charleston Complex Access Road
And Utility Upgrades



Submitted To:

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

Submitted January 25, 2011

Submitted By:

Stantec Consulting Services Inc.
1 Moore Avenue
Buckhannon, West Virginia 26201
304-472-7140

218 6th Avenue
St. Albans, WV 25177
304-722-3951

RECEIVED

2011 JAN 25 AM 11:42

WV PURCHASING
DIVISION



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SECTION I
Letter of Interest



Stantec

Stantec Consulting Services Inc.
218 6th Avenue
St. Albans WV 25177
Tel: (304) 722-3951
Fax: (304) 722-3953

January 24, 2011

West Virginia Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

**Subject: RFQ: DEFK11024
Division of Engineering & Facilities
Armory Board Section**

Stantec Consulting Services Inc. is pleased to submit this response to the solicitation for Expressions of Interest for Professional Architectural Engineering Design Services for an access road, utility upgrades, and rough site grading to the Charleston Armory Complex at Charleston, West Virginia.

This response to the request for Expressions of Interest (EOI) outlines our team's qualifications, technical expertise, management and staffing capabilities, and related experience, thus demonstrating our capabilities to provide the services enumerated in the subject RFQ.

Stantec has a broad palette of local and national resources that can address all issues associated with this project.

Founded in 1954, Stantec provides professional services to a variety of public and private clients and has been consistently ranked among the nation's top engineering firms by *Engineering News Record*. Stantec handles assignments ranging from small to very large design and construction service projects. The firm's ability to compete on such an extensive range of projects is directly related to the firm's ability to effectively share resources and expertise from its highly qualified and diverse staff. Stantec employs some 10,000 employees located in approximately 150 offices across North America. Facilities in West Virginia include 2 offices (St. Albans and Buckhannon), and an accredited Construction Materials Testing Laboratory (Buckhannon).

Extensive Experience – Stantec has comprehensive experience working for and coordinating with numerous public and private sector entities to provide architectural/engineering services including, but not limited to, planning, surveying, geotechnical studies, design, preparation of construction plans/specifications, construction management, inspection, testing, documentation, and as-built plans for site preparation, roadways, drainage structures, utilities, and ancillary items.

On-Time/On-Budget Performance - The firm's management is committed to a consistency of approach and a carefully monitored Quality Assurance/Quality Control Program for all projects. (Note that Stantec uses an ISO9001 Registered Auditing Management System). The commitment to these two important items ensures that projects stay on budget and are completed within the project schedule.

Multidisciplinary Approach – Professional engineers, planners, technicians, surveyors, and other professional support personnel work together to take a project from conceptual planning through preliminary and final reports, construction management, completion of construction, as-built plans, and final operational status. This approach is one of our strongest assets, allowing us to provide comprehensive services for projects that are prepared with the client's needs and expectations in mind. Stantec is prepared to provide **design and engineering services for the design of an access road, utility upgrades layout and rough grading design for future building site**, and, if requested, any ancillary services that may be set forth in a contract document between the State and Stantec as described in Section 3.4.6 *Contract Provisions* of the EOI. Stantec proposes to staff this assignment from our West Virginia offices. Resources from other Stantec locations will be readily available to our project manager if needed. A proposed organizational chart is provided in *Section V – Personnel Available for Project* of this submission that illustrates staff assignments and reporting relationships.

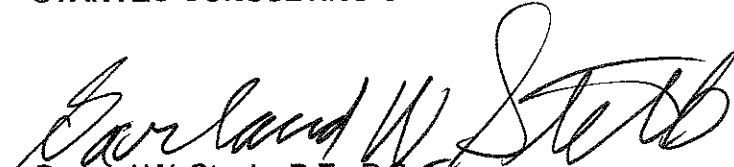
Stantec has assigned **Greg Linder, P.E.**, as the Project Manager. Mr. Linder will be the primary contact with the West Virginia Army National Guard throughout all phases of this project. Other key personnel will work closely with project personnel as appropriate for the expeditious accomplishment of the work.

In summary, Stantec will utilize resources for this project that bring a wealth of experience for accomplishment of the engineering services required for design of an access road, utility upgrades, and rough site grading at the Charleston Armory Complex, as described in the EOI Request.

If additional information is needed please contact me by email at garland.steele@stantec.com or telephone at 304-722-3951

Yours very truly,

STANTEC CONSULTING SERVICES INC.



Garland W. Steele, P.E., P.S.
QA/QC Engineer

GW/vb



Stantec

SECTION II
Solicitation for
Expressions of
Interest (copy of)



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

Request for Quotation

RFO NUMBER
DEFK11024

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1

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

PROCURING	*420133750	304-345-2828
	AMERICAN COUNCIL ENGINEERING	
	2007 QUARRIER STREET	
	CHARLESTON WV 25311	

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
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)						
<p>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.</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>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>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	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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



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
2

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

*420133750	304-345-2828
AMERICAN COUNCIL ENGINEERING	
2007 QUARRIER STREET	
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	FOB	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
<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	TELEPHONE	DATE
TITLE	FAX	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFO NUMBER
DEFK11024

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3

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

VENDOR

*420133750 304-345-2828
 AMERICAN COUNCIL ENGINEERING
 2007 QUARRIER STREET
 CHARLESTON WV 25311

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
12/14/2010				

BID OPENING DATE: 01/25/2011 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:					304-722-3953	
CONTACT PERSON (PLEASE PRINT CLEARLY):					Garland Steele	
***** THIS IS THE END OF RFO DEFK11024 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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

Revised July 28, 2009

EXPRESSION OF INTEREST

Charleston Complex Access Road and Utility Upgrades
DEFK 11024

Part 1 GENERAL INFORMATION

1.1 Purpose:

The Acquisition and Contract Administration Section of the Purchasing Division "State" is soliciting Expression(s) of Interest (EOI) for the West Virginia Army National Guard, Construction and Facilities Management Office (CFMO), from qualified firms to provide architectural/engineering services as defined in section two (2) and three (3).

1.2 Project:

The requirement for this EOI is for architectural/engineering services for the design of an access road, utility upgrades and rough site grading to the Charleston Armory Complex to provide for future building sites.

1.3 Format: N/A

1.4 Inquiries:

Additional information inquiries regarding this EOI must be submitted in writing to the State Buyer with the exception of questions regarding proposal submission, which may be oral. The deadline for written inquiries is identified in the Schedule of Events, Section 1.16. All inquiries of specification clarification must be addressed to:

Tara Lyle
Purchasing Division
P.O. Box 50130
Charleston, WV 25305-0130
Fax: (304) 558-4115

The firm, or anyone on the firm's behalf, is not permitted to make any contact whatsoever with any member of the evaluation committee. Violation may result in rejection of the EOI. The State Buyer named above is the sole contact for any and all inquiries after this EOI has been released.

1.5 Vendor Registration:

Firms participating in this process should complete and file a **Vendor Registration and Disclosure Statement** (Form WV-1) and remit the registration fee. Firm is not required to be a registered vendor in order to submit an EOI, but the **successful firm must register and pay the fee prior to the issuance of an actual contract.**

1.6 Oral Statements and Commitments:

Firm must clearly understand that any verbal representations made or assumed to be made during any oral discussions held between firm's representatives and any State personnel are **not binding**. Only the information issued in writing and added to the Expression of Interest specifications file by an official written addendum is binding.

1.7 Economy of Preparation:

EOI's should be prepared simply and economically, providing a straightforward, concise description of firm's abilities to satisfy the requirements of the EOI. Emphasis should be placed on completeness and clarity of content.

1.8 Labeling of the Sections: The response sections should be labeled for ease of evaluation.

1.9 Submission:

1.9.1 State law requires that the original expression shall be submitted to the Purchasing Division. All copies to the Purchasing Division must be submitted **prior** to the date and time stipulated as the opening date. All expressions will be date and time stamped on the Purchasing Division official time clock to verify time and date of receipt.

1.9.2 Firms mailing expressions should allow sufficient time for mail delivery to ensure timely arrival. The Purchasing Division **CANNOT** waive or excuse late receipt of an expression which is delayed and late for any reason according West Virginia State Code §5A-3-11. Any EOI received after the bid opening time and date will be immediately disqualified in accordance with State law and the Legislative Rule 148-CSR-1.

Submit:

Two original (3-Ring Binder preferred) plus (1) copy on compact disk of single PDF file to:

Purchasing Division
2019 Washington Street, East
P.O. Box 50130
Charleston, WV 25305-0130

The outside of the envelope or package(s) should be clearly marked:

Buyer:	TL-File 32
Req #:	DEFK11024
Opening Date:	January 25, 2011
Opening Time:	1:30 PM

1.10 Rejection of Expressions:

The State shall select the best value solution according to §5G-1-3 of the West Virginia State Code. However, the State reserves the right to accept or reject any or all expressions and to reserve the right to withdraw this Expression of Interest at any time and for any reason. Submission of, or receipt by the State of Expressions confers no rights upon the firm nor obligates the State in any manner.

1.11 Incurring Costs:

The State and any of its employees or officers shall not be held liable for any expenses incurred by any firm responding to this EOI for expenses to prepare, deliver, or to attend the short-list interviews.

1.12 Addenda:

If it becomes necessary to revise any part of this EOI, an official written addendum will be issued by the State to all potential firms of record.

1.13 Independent Price Determination:

A contract will not be considered for award if the negotiated price was not arrived at independently without collusion, consultation, communication, or agreement as to any matter relating to prices with any competitor.

1.14 Price Quotations: No "price" or "fee" quotation is requested or permitted in the response.

1.15 Public Record:

1.15.1 Submissions are Public Record.

All documents submitted to the State Purchasing Division related to purchase orders/contracts are considered public records. All EOI's submitted by firms shall become public information and are available for inspection during normal official business hours in the Purchasing Division Records and Distribution center after the expressions have been opened.

1.15.2 Written Release of Information.

All public information may be released with or without a Freedom of Information request, however, only a written request will be acted upon with duplication fees paid in advance. Duplication fees shall apply to all requests for copies of any

document. Currently the fees are \$0.50/page, or a minimum of \$10.00 per request, which ever is greater.

1.15.3 *Risk of Disclosure.*

The only exemptions to disclosure of information are listed in West Virginia Code §29B-1-4. Primarily, only trade secrets as submitted by a firm are the only exemption to public disclosure. The submission of any information to the State by a firm puts the risk of disclosure on the firm. The submission of any information to the State by a vendor puts the risk of disclosure on the vendor. The State does not guarantee non-disclosure of any information to the public.

1.16 **Schedule of Events:**

Release of the EOI.....	12/17/2010
Firm's Written Questions Submission Deadline.....	01/06/2011
Addendum Issued.....	TBD
EI opening date.....	01/25/2011
Estimated Date of Interviews (wk of).....	TBD

1.17 **Mandatory Prebid Conference:** N/A

1.18 **Bond Requirements:** N/A

1.19 **Purchasing Affidavit:**

West Virginia State Code §5A-3-10a (3) (d) requires that all firms submit an Affidavit regarding any debt owed to the State and licensing and confidentiality certifications.

The Affidavit **must** be signed and submitted prior to award. It is preferred that the Affidavit be submitted with the EOI.

PART 2 OPERATING ENVIRONMENT

2.1 **Location:**

2.11 Agency is located at:

The WV Army National Guard
Joint Forces Headquarters
Construction and Facilities Management Office
1703 Coonskin Drive
Charleston, West Virginia 25311

2.12 Project is located at:

1707 Coonskin Drive Charleston WV, Kanawha County, WV

- 2.2 **Background:** The West Virginia Army National Guard desires to construct a new access road and infrastructure for future building sites.

PART 3 PROCUREMENT SPECIFICATIONS

- 3.1 **General Requirements:** Design and engineering services for the design of an access road, utility upgrades layout and rough grading design for future building site.

3.2 **Project Description:**

The West Virginia Army National Guard desires to construct an access road intersecting with Coonskin Drive and continuing behind the existing West Virginia Army National Guard Annex Building and terminating at the existing Family Readiness access road, to allow for future building. The access road shall be aggregate left suitable for future asphalt pavement. Rough grading and utility design for future construction shall also be included in this project.

3.3 **Special Terms and Conditions:**

3.3.1 *Bid and Performance Bonds:*

3.3.2 *Insurance Requirements:* \$1,000,000 General Liability per Occurrence
 \$2,000,000 Aggregate
 \$1,000,000 Automobile Liability
 \$1,000,000 Professional Liability
 Workers Compensation Certificate upon award
 West Virginia Statutory requirements including
 West Virginia Code §23-4-2 (Mandolidis)

3.4 **General Terms and Conditions:**

By signing and submitting the EOI, the successful firm agrees to be bound by all the terms contained in Section Three (3) of this EOI.

3.4.1 *Conflict of Interest:*

Firm affirms that it, its officers or members or employees presently have no interest and shall not acquire any interest, direct or indirect which would conflict or compromise in any manner or degree with the performance or its services hereunder. The firm further covenants that in the performance of the contract, the firm shall periodically inquire of its officers, members and employees concerning

such interests. Any such interests discovered shall be promptly presented in detail to the Agency.

3.4.2 *Prohibition Against Gratuities:*

Firm warrants that it has not employed any company or person other than a bona fide employee working solely for the firm or a company regularly employed as its marketing agent to solicit or secure the contract and that it has not paid or agreed to pay any company or person any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award of the contract. For breach or violation of this warranty, the State shall have the right to annul this contract without liability at its discretion, and/or to pursue any other remedies available under this contract or by law.

3.4.3 *Certifications Related to Lobbying:*

Firm certifies that no federal appropriated funds have been paid or will be paid, by or on behalf of the company or an employee thereof, to any person for purposes of influencing or attempting to influence an officer or employee of any Federal entity, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement.

If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee or any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the firm shall complete and submit a disclosure form to report the lobbying.

Firm agrees that this language of certification shall be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub recipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this contract was made and entered into.

3.4.4 *Vendor Relationship:*

The relationship of the firm to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by the parties to this contract. The firm as an independent contractor is solely liable for the acts and omissions of its employees and agents.

Firm shall be responsible for selecting, supervising and compensating all individuals employed pursuant to the terms of this EOI and resulting contract. Neither the firm nor any employees or contractors of the firm shall be deemed to be employees of the State for any purposes whatsoever.

The Firm shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension or other deferred compensation plans, including but not limited to Workers' Compensation and Social Security obligations, and licensing fees, etc. and the filing of all necessary documents, forms and returns pertinent to all of the foregoing.

The Firm shall hold harmless the State, and shall provide the State and Agency with a defense against all claims including but not limited to the foregoing payments, withholdings, contributions, taxes, social security taxes and employer income tax returns.

The firm shall not assign, convey, transfer or delegate any of its responsibilities and obligations under this contract to any person, corporation, partnership, association or entity without expressed written consent of the Agency.

3.4.5 *Indemnification:*

The firm agrees to indemnify, defend and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person or firm performing or supplying services, materials or supplies in connection with the performance of the contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the firm, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use or disposition of any data used under the contract in a manner not authorized by the contract, or by Federal or State statutes or regulations; (3) Any failure of the firm, its officers, employees or subcontractors to observe State and Federal laws, including but not limited to labor and wage laws.

3.4.6 *Contract Provisions:*

After the most qualified firm is identified, and fee negotiations are concluded, a formal contract document will be executed between the State and the firm. The order of precedence is the contract, the EOI and the firm's response to the EOI.

3.4.7 *Governing Law:*

This contract shall be governed by the laws of the State of West Virginia. The firm further agrees to comply with the Civil Rights Act of 1964 and all other applicable laws (Federal, State or Local Government) regulations.

3.4.8 Compliance with Laws and Regulations:

The firm shall procure all necessary permits and licenses to comply with all applicable laws, Federal, State or municipal, along with all regulations, and ordinances of any regulating body.

The firm shall pay any applicable sales, use, or personal property taxes arising out of this contract and the transactions contemplated thereby. Any other taxes levied upon this contract, the transaction, or the equipment, or services delivered pursuant here to shall be borne by the contractor. It is clearly understood that the State of West Virginia is exempt from any taxes regarding performance of the scope of work of this contract.

3.4.9 Subcontracts/Joint Ventures:

The State will consider the firm to be the sole point of contact with regard to all contractual matters. The firm may, with the prior written consent of the State, enter into written subcontracts for performance of work under this contract; however, the firm is totally responsible for payment of all subcontractors.

3.4.10 Term of Contract:

This contract will be effective (date set upon award) and shall extend until the scope of work is complete or for one (1) consecutive twelve (12) month period. The contract may be renewed upon mutual consent for two (2) consecutive years one (1) year periods or until such reasonable time as may be necessary to obtain a new contract or to complete work.

3.4.11 Non-Appropriation of Funds:

If the Agency is not allotted funds in any succeeding fiscal year for the continued use of the service covered by this contract by the West Virginia Legislature, the Agency may terminate the contract at the end of the affected current fiscal period without further charge or penalty. The Agency shall give the firm written notice of such non-allocation of funds as soon as possible after the Agency receives notice. No penalty shall accrue to the Agency in the event this provision is exercised.

3.4.12 Contract Termination:

The State may terminate any contract resulting from this EOI immediately at any time the firm fails to carry out its responsibilities or to make substantial progress under the terms of this EOI and resulting contract. The State shall provide the firm with advance notice of performance conditions, which are endangering the contract's continuation. If after such notice the firm fails to remedy the conditions contained in the notice, within the time contained in the notice, the State shall issue the firm an order to cease and desist all work immediately.

The State shall be obligated only for services rendered and accepted prior to the date of the notice of termination. The contract may also be terminated upon mutual agreement of the parties with thirty (30) days prior notice.

3.4.13 Changes:

If changes to the original contract become necessary, a formal contract change order will be required. Prior to any work being performed, the change must be negotiated and approved by the State, the Agency and the firm. An approved contract change order is defined as one approved by the Purchasing Division and approved as to form by the West Virginia Attorney General's Office prior to the effective date of such amendment. **NO CHANGE SHALL BE IMPLEMENTED BY THE FIRM UNTIL THE FIRM RECEIVES AN APPROVED WRITTEN CHANGE ORDER.**

3.4.14 Invoices, Progress Payments, & Retainage:

The Firm shall submit invoices, in arrears, to the Agency at the address on the face of the purchase order labeled "Invoice To" pursuant to the terms of the contract. Progress payments may be made at the option of the Agency based on percentage of work completed if so defined in the final contract. Any provision for progress payments must also include language for a minimum 10% retainage until the final deliverable is accepted.

If progress payments are permitted, firm is required to identify points in the work plan at which compensation would be appropriate. Progress reports must be submitted to Agency with the invoice detailing progress completed or any deliverables identified. Payment will be made only upon approval of acceptable progress or deliverables as documented in the firm's report. Invoices may not be submitted more than once monthly and State law forbids payment of invoices prior to receipt of services.

3.4.15 Liquidated Damages: NA

3.4.16 Record Retention (Access & Confidentiality):

Firm shall comply with all applicable Federal and State of West Virginia rules and regulations, and requirements governing the maintenance of documentation to verify any cost of services or commodities rendered under this contract by the firm. The firm shall maintain such records a minimum of five (5) years and make available all records to Agency personnel at firm's location during normal business hours upon written request by Agency within 10 days after receipt of the request.

Firm shall have access to private and confidential data maintained by Agency to the extent required for firm to carry out the duties and responsibilities defined in this contract. Firm agrees to maintain confidentiality and security of the data made available and shall indemnify and hold harmless the State and Agency against any

and all claims brought by any party attributed to actions of breach of confidentiality by the firm, subcontractors, or individuals permitted access by the firm.

PART 4 EVALUATION & AWARD

4.1 Evaluation and Award Process:

- a) Expressions of Interest will be evaluated and awarded in accordance with **§5G-1-3 "Contracts for architectural and engineering services; selection process where total project costs are estimated to cost two hundred fifty thousand dollars or more."**

"In the procurement of architectural and engineering services for projects estimated to cost two hundred and fifty thousand dollars or more the director of purchasing shall encourage such firms engaged in the lawful practice of the profession to submit an (expression of interest) which shall include a statement of qualifications, and performance data and may include anticipated concepts and proposed methods of approach to the project. All such jobs shall be announced by public notice published as a Class II legal advertisement in compliance with the provisions of article three [§59-3-1 et seq.] A committee comprised of three to five representatives of the agency initiating the request shall evaluate the statements of qualifications and performance data and other material submitted by the interested firms and select three firms which in their opinion are the best qualified to perform the desired service. Interviews with each firm selected shall be conducted and the committee shall conduct discussions regarding anticipated concepts and the proposed methods of approach to the assignment. The committee shall then rank in order of preference no less than three professional firms deemed to be the most highly qualified to provide the services required, and shall commence scope of service and price negotiations with the highest qualified professional firm for architectural or engineering services or both. Should the agency be unable to negotiate a satisfactory contract with the professional firm considered to be the most qualified, at a fee determined to be fair and reasonable, price negotiations with the firm of second choice shall commence. Failing accord with the second most qualified professional firm, the committee shall undertake price negotiations with the third most qualified professional firm. Should the agency be unable to negotiate a satisfactory contract with any of the selected professional firms, it shall select additional professional firms in order of their competence and qualifications and it shall continue negotiations in accordance with this section until an agreement is reached."

- b) The committee shall rank, in order of preference, each of the selected Firms. Each of the Firms shall begin with a score of one hundred.

The criteria and assigned point values are as follows:

- 1. Proposed approach to the project.....20

Firm should provide a vision of the approach to the proposed project, to include, but not limited to, the methods, management, and design philosophy.

- 2. Past experience in performing similar projects.....35

Firm should provide the company's statement of qualifications for the last ten years and the general area of design project expertise. Firm should provide material to illustrate their efficiency, management, efficiency and any other data to support proper construction of the project.

- 3. Oral Interview and expertise of team.....45

Firm should provide no more than (2) page resume of each employee who would be providing their services. Describe the firm's resources available for assuring efficiency, quality and completeness of the design process. The interview should provide sufficient information to relate to the design project and the course of action they intend to take. Interviews will be conducted with the Firms selected as most qualified by the C&FMO Selection Committee.

The format for the interviews will be a 15-30 minute presentation consisting, at a minimum, of the following:

- Corporate / Personnel Experience as it relates to the Project
- Uniquely Qualifying Examples or Qualifying Information
- Key Personnel Available for the Proposed Work
- Proposed Project Management Plan
- Proposed Subcontractors
- Product Quality Control
- Project Cost Control



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

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

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
01/11/2011				

BID OPENING DATE: 01/25/2011 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. 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						
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.						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	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).

Addendum No. 2

DEFK11024

Q. Is there any preliminary study or map of the site available?

A. A preliminary drawing map is available and will be made available through West Virginia State Purchasing Division in hard copy format.

Q. What is the length of the proposed access road?

A. The length of the proposed access road has not been established. It will be the responsibility of the selected firm to select the most appropriate road alignment. However, the length of the access road on the preliminary drawing is approximately 850 feet.

Q. What is the acreage of the proposed grading and utility design?

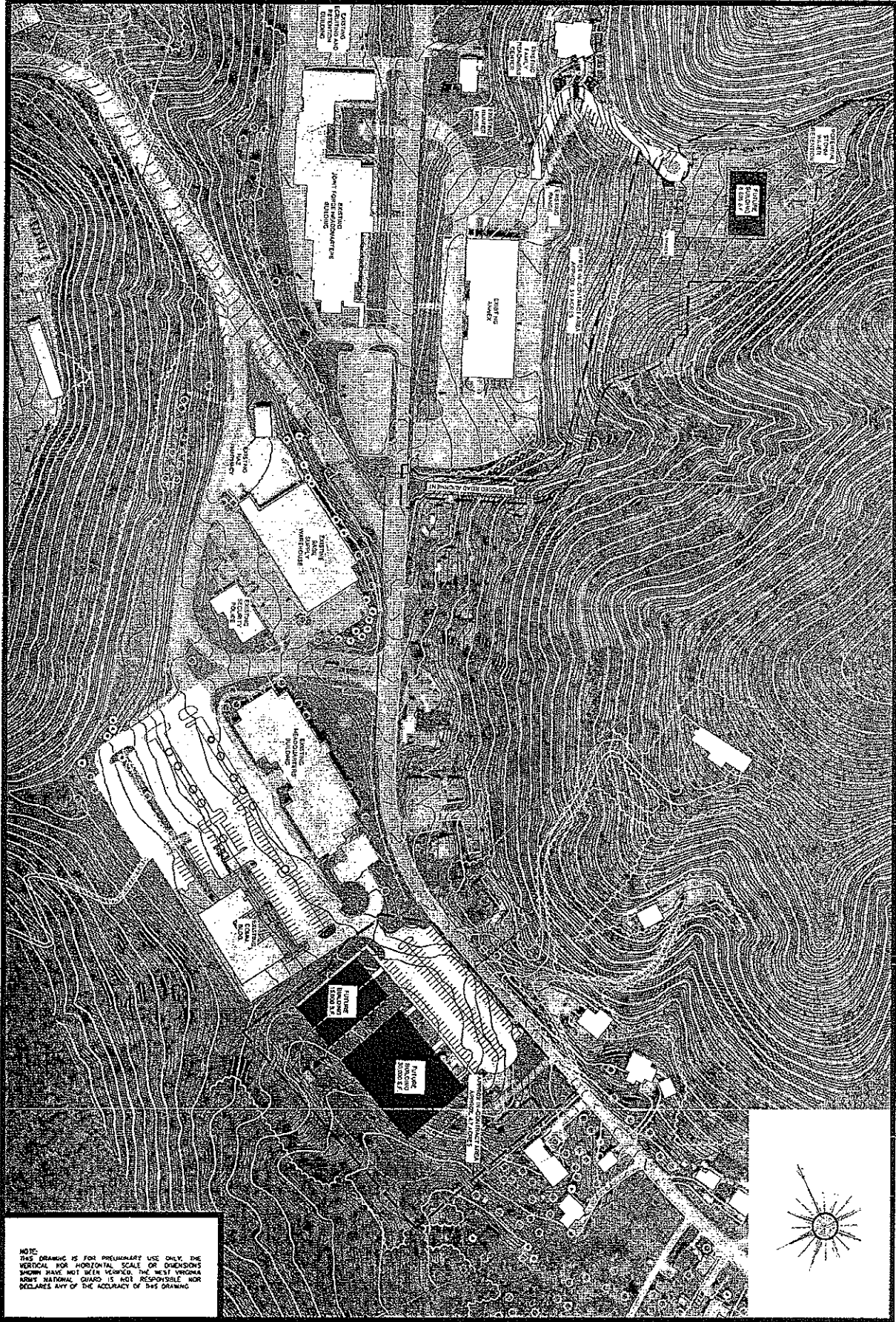
A. The acreage of the proposed grading and utility design has not been established. As mentioned above in question 1.2 the selection of alignment for the access road will be the responsibility of the selected firm. In turn, grading limits cannot be determined until a road alignment has been selected. However, in the preliminary drawing, the limits of construction for this project are approximately 8.6 acres.

Q. Will the future building site be pre-determined? If so, will the project include rough grading for the site so that it may be used as a borrow/waste site for the road?

A. The future building sites for this project have been pre-determined. Rough grading for these building pads will be included in this project. There is potential to borrow/waste on site pending a geotechnical study, finding the soils to be suitable.

Q. Is it possible to view the site in person?

A. Site visits are not being permitted at this time; the provided map should be sufficient for this Expression Of Interest submission.



NOTE:
THIS DRAWING IS FOR PRELIMINARY USE ONLY. THE
VERTICAL AND HORIZONTAL SCALE OR DIMENSIONS
SHOWN HAVE NOT BEEN VERIFIED. THE WEST VIRGINIA
ARMY NATIONAL GUARD IS NOT RESPONSIBLE NOR
DECLARES ANY OF THE ACCURACY OF THIS DRAWING.

WEST VIRGINIA ARMY NATIONAL GUARD
CHARLESTON COMPLEX UPGRADES
SCALE = 1"=80'
10 JANUARY 2011



SECTION III
Overview and
Selected Practice
Area Profiles

Overview

Stantec, founded in 1954, provides professional consulting services in planning, engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics for infrastructure and facilities projects. Continually striving to balance economic, environmental, and social responsibilities, we are recognized as a world-class leader and innovator in the delivery of sustainable solutions. We support public and private sector clients in a diverse range of markets, at every stage, from initial concept and financial feasibility to project completion and beyond.

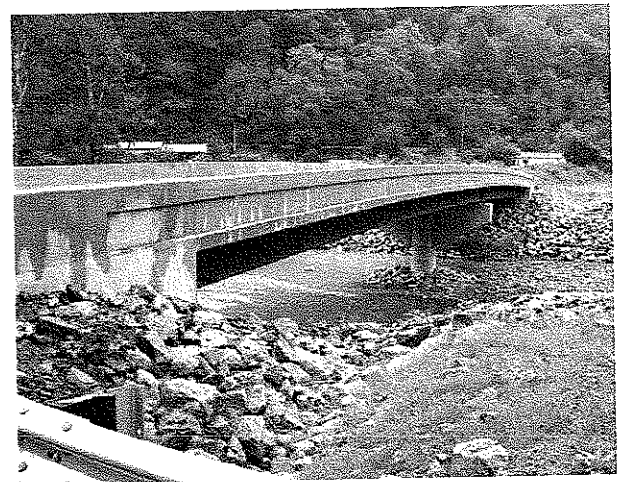
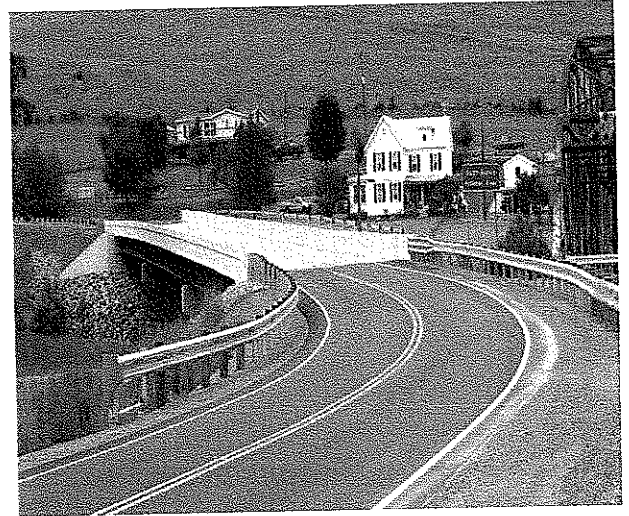
In simple terms, the world of Stantec is the water we drink, the routes we travel, the buildings we visit, the industries in which we work, and the neighborhoods we call home.

Our services are offered through over 10,000 employees operating out of more than 150 locations in North America. Stantec trades on the TSX and on the NYSE under the symbol STN.

Firmly committed to continuous innovation, Stantec adopts a fully integrated approach to projects. Our multidisciplinary practice areas serve public and private sector clients in a diverse range of markets. Our clients represent our partners and together our infinite solutions provide successful project delivery.

Our West Virginia offices (St. Albans and Buckhannon) are staffed with a diverse group of experienced engineers, surveyors inspectors, technicians and support personnel.

The following pages provide additional information on the variety of services that we provide.



Program & Project

MANAGEMENT

The Client's Challenge

Clients investing in capital projects and programs face a number of difficult challenges. These may include limited internal project management staff, expertise, and experience; a tight budget and schedule; and the need to maintain normal business operations throughout the project life cycle. Furthermore, conflicting pressures on consultants, contractors, and other stakeholders can affect team relationships, making defining project scope and objectives, assessing and managing risk, and implementing the project plan a challenge.

Another major challenge is dealing with fragmented project information. Whether from poor communication, inconsistent data formats, or the lack of integrated project tools, this fragmentation often prevents informed decision making, thereby increasing risk and negatively affecting project cost, schedule, and quality.

Overcoming the Challenge

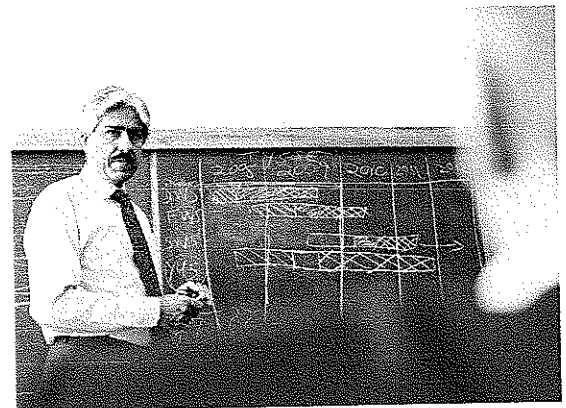
Stantec's award-winning Program & Project Management (P&PM) group helps clients overcome capital project challenges through the use of formal project management processes by experienced and trained personnel enabled by project management technology. By providing strong leadership, managing complex relationships, developing effective communication strategies, and implementing rigorous project management and controls processes, Stantec leads, supports, or advises clients through all stages of the project life cycle.

Defining Success

Successful program and project management occurs when the final product meets or exceeds the client's objectives with respect to scope, budget, schedule, function, and quality. But more importantly, Stantec's project management professionals are satisfied only when we have gained the trust of our clients. We accomplish this by focusing on key issues as well as continually representing our clients' interests and keeping them informed so that sound and timely decisions can be made.

Investing in Success

Project management, either in-house or outsourced, typically costs a small fraction of the overall capital project budget. Investing in the quality of these services to manage your project can save significant time and money.



PROJECT MANAGEMENT PIONEERS

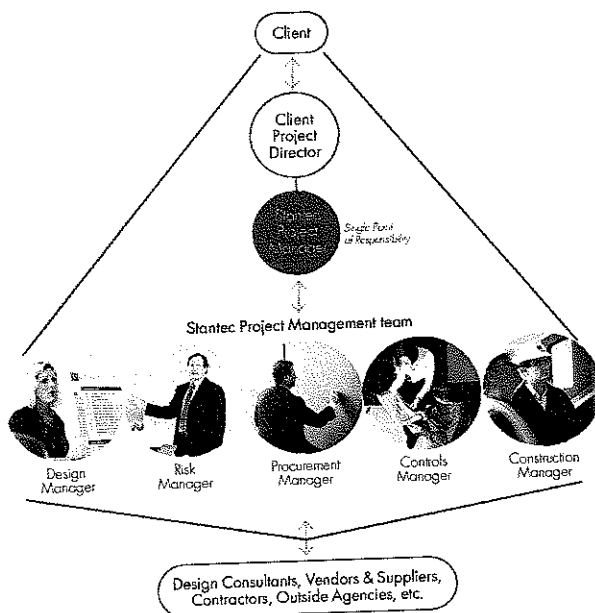
Stantec's Program & Project Management (P&PM) group helped to pioneer independent project management in North America four decades ago, defining it as a profession distinct from careers in architecture, engineering, and construction management. To this day, we continue to set high standards for performance, innovation, and service within our industry.

Stantec's P&PM professionals serve as our clients' knowledgeable and trusted advisors. We operate independently of other project participants in order to represent clients objectively and without conflicting priorities in all situations.

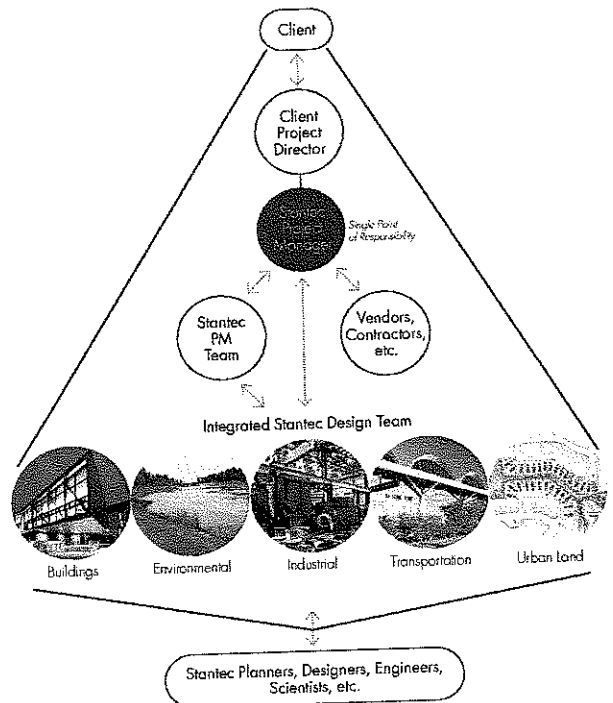
Our Unique Position

For clients wishing to take advantage of a single source for both technical and project management services, P&PM is uniquely positioned to lead or support an integrated Stantec team that can meet most, if not all, project delivery challenges. Building a team with Stantec's diverse technical and design personnel, with a Stantec project manager serving as the client's single point of contact, can result in cost-effective and innovative project solutions delivered more efficiently.

Stantec Model of Independent Project Management Services



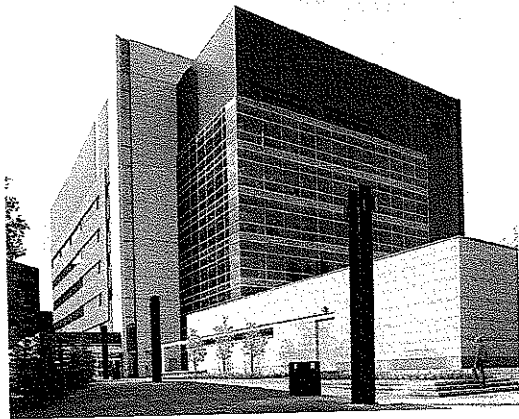
Stantec Model of Fully Integrated Services



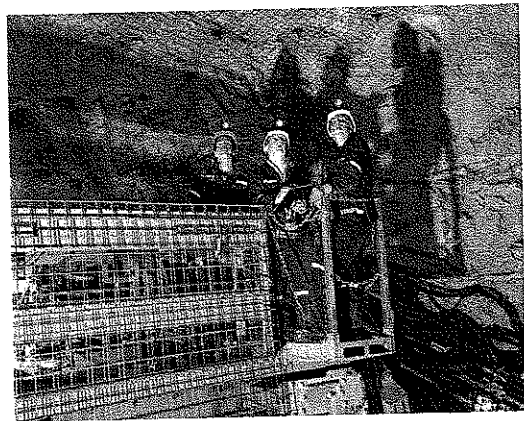
OUR DIVERSITY

Our program and project management experience includes a diverse array of large, complex, and prominent projects for public and private sector clients in the following sectors:

- Airports & Aviation•
- Attractions, Arts & Entertainment•
- Community Institutional•
- Corporate/Office•
- Cultural, Religious & Public Assembly•
- Education•
- Food & Beverage•
- Forestry/Pulp & Paper•
- Healthcare•
- Hospitality•
- Justice•
- Mining•
- Oil & Gas•
- Pharmaceuticals & Biotechnology•
- Pipelines•
- Power•
- Research/Laboratories•
- Retail/Commercial•
- Sports, Recreation & Leisure



University of Alberta Capital Renewal Program



Xstrata Fraser Morgan Mine | Sudbury, Ontario

Sustainability at Stantec

Stantec

At Stantec, we're helping advance sustainability in rural and urban communities across North America through integrated planning and design processes.

The process starts with working with our clients to establish a vision through interactive stakeholder engagement processes, informed by in-depth industry and technical knowledge. We then translate this information into official plans, bylaws, sustainability planning documents, and development concept plans that reflect a strong understanding of the organizational culture, within a framework of sustainability.

These working documents help establish targets and chart investment planning over short and long-term horizons. Just as importantly, they establish a roadmap for the sustained well-being of a community by identifying strategic pathways and actions which address the full range of development, quality of life, and infrastructure issues—such as facilities inventories, transportation systems, open space plans, water conservation, and waste management—through a sustainability lens.

Stantec offers:

- o An integrated community sustainability planning process which includes baseline assessments, strategy development, creative engagement, implementation, and monitoring
- o Extensive experience in developing climate change strategies, policies, and programs for communities and regions
- o Integrated development processes for the planning and design of neighborhoods, brownfield and greenfield sites, waterfronts, and infill sites
- o A proven consultation and facilitation track record with stakeholders and the public, including large and diverse groups of participants
- o Seasoned managers who keep projects with multiple deliverables and tight timelines on-budget and on-schedule
- o Versatile staff with specialized knowledge in management, planning, design, economics, buildings and energy performance, greenhouse gas emissions, land planning and environmental management, and natural resources

LEED® ND, Master Planning, and Land Development

Development is intrinsically entwined with fiscal, environmental, social, and cultural factors. Proactive communities know that smart development creates economic opportunities while also protecting and enhancing the environment and human health and well being. That's why Stantec helps clients to address development through a sustainability lens, while applying targeted experience as needed. This approach is grounded in thorough knowledge of principles and design practices related to livable, resilient, and sustainable communities. Through urban design, landscape architecture, and master planning, we apply sustainability concepts, policies, and regulations "on-the-ground" through Integrated Design Processes that focus on:

- o LEED for Neighborhood Development (LEED® ND)
- o Transit Oriented Developments (TO Ds)
- o Neighborhood concept plans and master plans
- o Sustainable landscape architecture and public realm design
- o Downtown revitalization plans
- o Brownfield/infill redevelopments



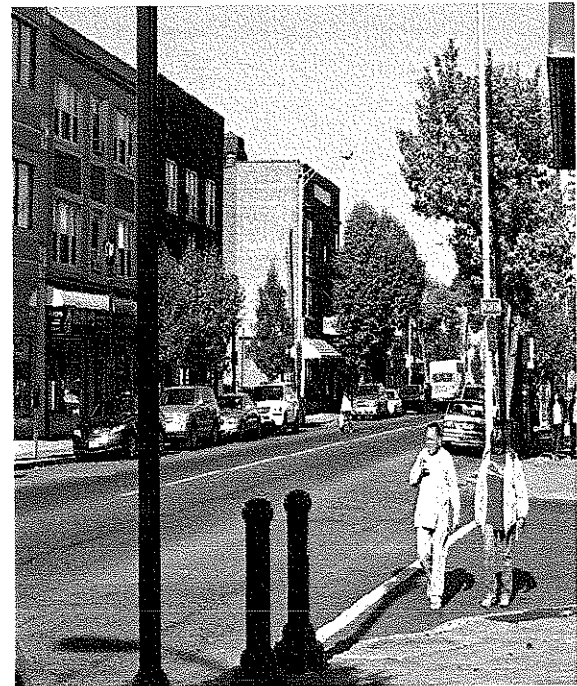
TRANSPORTATION

Stantec

Stantec provides comprehensive planning, engineering, and construction services for all types of transportation projects, from airports, railways, and transit, to bridges, roadways, and non-motorized transportation modes. Our professionals offer a wide range of capabilities in all phases of a project, including project management, investment and economic feasibility studies, planning, design, construction administration, commissioning, and ongoing asset monitoring and evaluation.

Our hands-on approach to managing the planning and design development and environmental processes of a project reflects the proactive culture nurtured by our staff. Thanks to our purposeful identification and knowledge of the goals, purpose, and mission of the various regulatory and permitting agencies involved, we know how to efficiently and effectively bring the right people at the right time to manage the environmental components of a project.

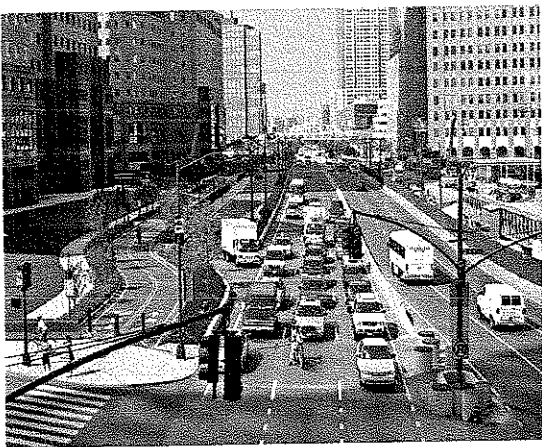
We use current technology, including modeling, life cycle assessments, and pavement management software for analyzing alternatives, creating final designs, and conducting public presentations. We strive to deliver innovative solutions that respect local preferences and fit within the context of the surrounding environment. To this end, community participation is a priority for us in our delivery process. We routinely communicate and interact with stakeholder groups as a project moves forward.



ROADWAYS

Roadway design has evolved from being primarily a technical issue to one requiring a full understanding of the potential social, environmental, and economic impacts. Stantec designs roadways that complement their surroundings, balancing vehicular and traveler needs safely and efficiently. Furthermore, our portfolio of thousands of highways, rural roads, urban streets, toll roads, and multi-modal systems encompasses various climates and terrains across the globe, providing us with an expansive understanding of all types of communities, circumstances, and environments.

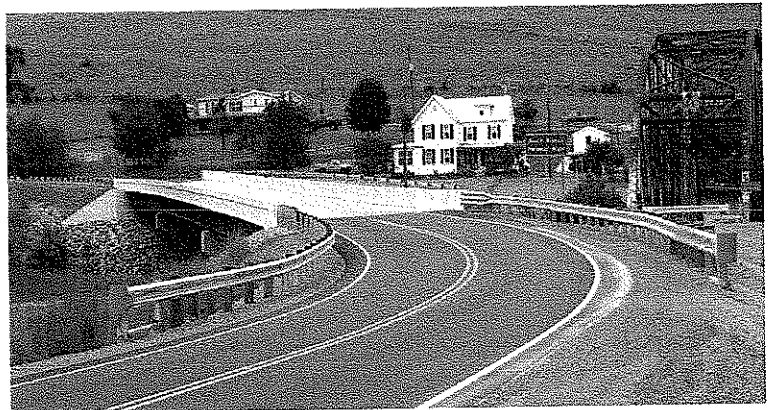
Because the success of a roadway project is as much about public desires as technical design, we identify our clients' objectives, develop and evaluate alternatives, and consult with stakeholders on a regular basis throughout design and construction. Stantec's transportation experience is enhanced by an array of environmental, geotechnical, and land surveys/geomatics specialists, while our landscape architects add value and beauty to the highways and byways they touch. Our approach, along with a healthy dose of pragmatism, provides our clients with designs that meet their current and projected needs in a cost-effective and sensitive manner.



BRIDGES

Stantec's experience in designing new, replacement, and rehabilitated bridges provides clients with the unparalleled knowledge and understanding to support their projects, small or large. We have designed a multitude of bridges from single-span rural crossings to complex multi-span expressway and urban arterial crossings of various materials, span lengths, and configurations. Further complementing our design work, we also provide inspection and maintenance services to clients across the globe.

We have completed projects through a range of delivery methods including build-own-operate transfer and design-build, as well as the traditional design-bid-build approach. We encourage innovation in the design of new structures and rehabilitation of existing structures through our association with various research institutes and universities. These associations have kept Stantec at the forefront of developments in advanced materials and technologies. Stantec has extensive experience in the inspection and evaluation of concrete and steel bridge structures. Inspections include ultrasonic thickness measurements of steel members, visual inspections of bearings and stone masonry abutments, coring programs, soundings, and half-cell potential surveys, as well as inspections that use access equipment such as under-bridge inspection units, scaffolding, and bucket trucks on barges. Throughout the entire life cycle, Stantec is there to plan, design, inspect, and maintain a bridge.



TRANSPORTATION PLANNING

Traditionally, the solution for meeting an area's transportation planning needs was more or bigger roads. Today, however, Stantec's transportation planners consider a wider range of forward-thinking approaches including Transportation Demand Management and alternative transportation modes, such as high-speed transit, cycling, and walking.

Whether for a bicycle/pedestrian study, a long-range transportation plan, or a stadium or sports planning project, Stantec provides

transportation planning services with a holistic view that considers modern alternative technical solutions, impacts to land use patterns, and environmental and community concerns. This approach is complemented by our computer modeling experience that can help evaluate and develop smaller community and neighborhood transportation plans as well as large regional plans with major transit components. Using these models, Stantec can easily investigate a wide range of alternatives and effectively present clear design options to stakeholders for their input.

processes,
technologies,
and systems that
integrate smoothly
and efficiently



US 17 Corridor Study and
Superstreet Design | Ieland,
North Carolina

TRAFFIC OPERATIONS

Stantec provides a complete range of traffic operations services including assessments of traffic impacts for new developments, how traffic-calming measures improve the quality of life in neighborhoods, and how traffic flow on corridors and neighborhood-level networks can be improved through revised signal timing plans and minor roadway enhancements. Using industry-recognized sources, as well as Stantec's own traffic generation and demand database, our traffic operations specialists can quickly and effectively assess how new development or changes to roadway patterns will affect the surrounding community.

This assessment process is enhanced by our team's use of computerized traffic models to identify, assess, and illustrate the effectiveness of potential improvements. With these models—and our staff's experience and knowledge—we can cost-effectively provide an opinion of probable cost of appropriate improvements. Our public involvement experience also helps us review proposed traffic operations improvements with affected stakeholders to build support for changes to traffic patterns.

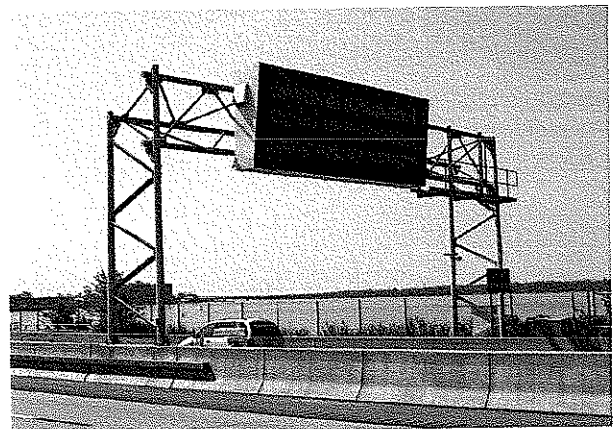


INTELLIGENT TRANSPORTATION SYSTEMS

Stantec is a leader in the design, deployment, and operation of Intelligent Transportation Systems (ITS), specializing in Advanced Transportation Management Systems (ATMS), Freeway Traffic Management Systems (FTMS), and Electronic Toll and Traffic Management Systems (ETTM) for highways, transit, and toll systems. Our capabilities in ITS technology include systems engineering, integration, networking, and both wired and wireless communications systems.

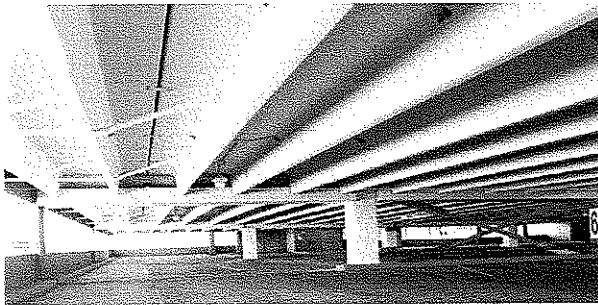
Stantec also has an in-depth knowledge of ITS support services such as power distribution, communications systems, and support infrastructure design. This broad-based knowledge allows us to provide efficient and effective engineering design, construction supervision, testing, commissioning, and project management services.

The future of transportation depends on new technology and new approaches to managing traffic congestion and promoting safety. Stantec combines ITS with a full range of toll road services to provide new solutions to the challenges facing transportation agencies and authorities.



PARKING

Parking is often the issue that makes or breaks a development project. From individual facilities to overall transportation plans, Stantec's parking specialists have extensive experience in defining parking demand and assessing alternative means to meet it using a variety of techniques. Strong financial assessment capabilities, coupled with a solid understanding of the costs of providing different types of parking, allow our team to accurately evaluate approaches and cost effectively solve the parking dilemma.



Stantec has planned, designed, and administered the construction of parking facilities across North America, including on-street parking, at-grade lots, and parking garages, both above and below ground. Our construction professionals know that durability is critical for concrete structures and are experienced in materials engineering and testing, as well as special inspection, on complex structures.

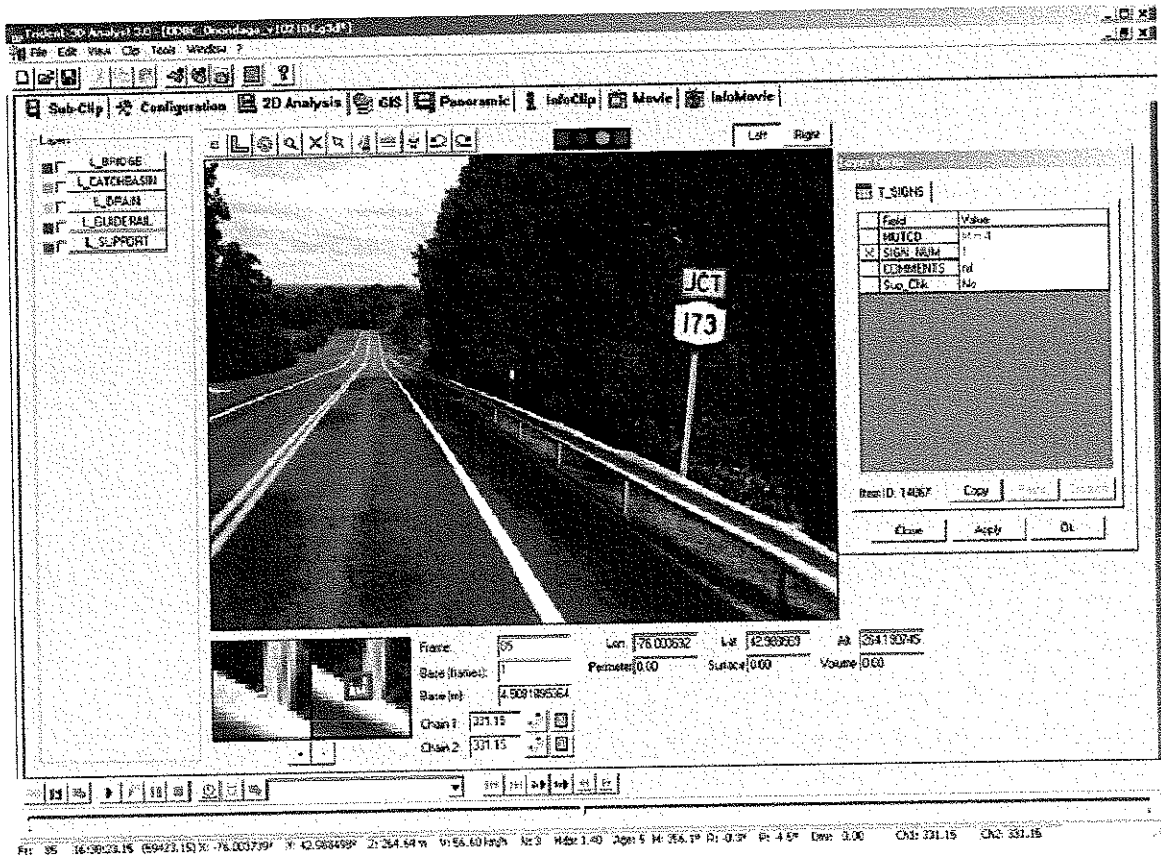
Minimizing the initial capital and life cycle costs is a key consideration in our design process. Our specialists recognize the importance of providing drivers with a high level of comfort in personal safety and wayfinding when they park. In addition, our teams recognize the importance of integrating parking into the community in a sensitive manner, paying special attention to aesthetics and landscaping issues.

PAVEMENT ENGINEERING

Stantec has been a leader in developing and attaining knowledge and experience in the area of pavement engineering and pavement management systems since 1978. We have a distinguished reputation of being one of the first companies to continuously develop and implement computer based pavement management systems. Our Highway Pavement Management Application (HPMA) provides the capability for extensive user customization to meet the diverse needs of various highway agencies. Building on three decades of experience, our pavement specialists can provide pavement testing evaluation, design, and implementation services for roads, airports, ports, and other transportation facilities.

We have extensive experience in network and project-level pavement analysis and design using empirical, mechanistic, and finite-element methods; materials characterization and testing; selection of appropriate pavement types; and treatments for sustaining different pavement structures. What helps inform these decisions is our continual research in all aspects of pavement engineering. We have undertaken research in pavement design, pavement materials performance, development of maintenance and rehabilitation techniques, and studies relating to the impact of environmental factors on pavement performance.





Trident-3D Sign, Right-of-Way

INFRASTRUCTURE & ASSET MANAGEMENT

Stantec provides globally recognized services in infrastructure and asset management consulting. Our skilled technical staff have extensive experience in asset data collection; condition assessments; software design, development, and implementation; infrastructure performance; and life cycle analysis. Stantec's knowledge of asset management strategies for public works allows us to provide unbiased needs assessments, progress reviews, implementation services, and short and long-term planning for cities and towns across North America. Our accomplished staff and large fleet of data collection equipment, coupled with extensive experience in data processing and conversion, allow us to conceive, develop, and realize an asset management vision specific to our clients' unique needs and specifications. A proven leader in asset management systems, Stantec develops and implements integrated management systems that incorporate all key infrastructure components, including pavements, bridges, right-of-way assets, and underground utilities.

SUBSURFACE UTILITY ENGINEERING

Stantec provides site surveys, coordination with utility owners, and/or utility exposure to locate subsurface utilities during design and construction. The four levels of quality services are dependent on client need and may include locating, the highest level of accuracy; designating, which utilizes surface geophysical methods to identify utilities; surface visible survey, which involves verifying research completed from existing records out in the field; and records research, which is strictly the use of available utility records to establish underground utilities. Our highly skilled technicians then convert field data into CA D files for analysis, which shows the position of critical utilities in 3D, allowing for a more accurate pre-design base drawing.



The highest level of accuracy services includes locating, which is the actual exposure of the facility being surveyed and includes data such as material type, surface elevation, utility size and capacity, outside dimensions, and configurations. Typical designating is performed using various electromagnetic equipment.

For subsurface features that cannot be magnetically located, Stantec utilizes its Ground Penetrating Radar (GPR), which is a non-invasive geophysical method for viewing subsurface features and is one of the most effective tools for subsurface mapping and designating.

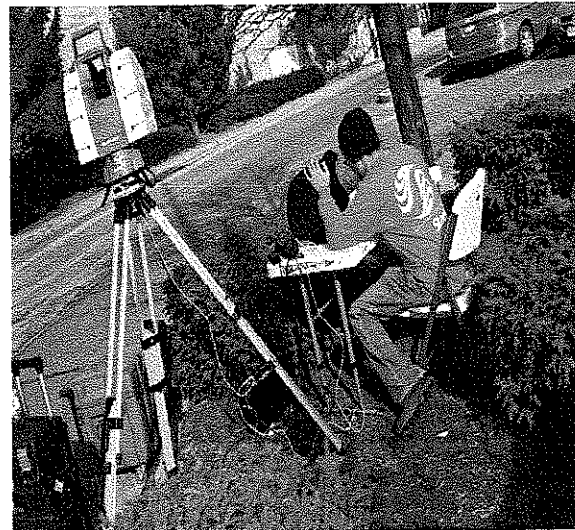


Stantec can provide subsurface utility engineering services for a variety of public and private projects including transportation, institutional, educational, development, and utility.

SURVEYS/GEOMATICS

Stantec provides the full range of surveys/geomatics services encompassing the measurement, layout, representation, analysis, management, retrieval, and display of spatial information describing the earth's physical features, land parcel boundaries, and the built environment. The expertise of Stantec's professional and technical surveys/geomatics staff is applied to services including boundary and cadastral surveys, ALTA/ACSM, topographic mapping, construction stakeout, geodetic and control surveys, route surveys, as-builts, water rights, and hydrographic surveys, as well as subsurface utility engineering (SUE), Geographic Information System (GIS) services, and 3D laser scanning. Specialized services include environmental surveying in support of projects involving remediation, landfills, unexploded ordnance, vegetation and habitat, wildlife, wildfire burns, wetlands, and more.

Stantec's comprehensive surveys/geomatics services can be performed on a wide range of projects focusing on residential, commercial, industrial, transportation, utility and power, recreational, environmental, and institutional projects for public and private sector clients. Our staff is capable of effectively performing work in locations that range from major urban settings to the most remote and challenging environments by effectively addressing the logistical and safety considerations inherent in each situation.



TOPOGRAPHIC MAPPING

Stantec

Topographic mapping is the process of measuring three-dimensional locations of natural and manmade features within a site and preparing a graphic representation of the site's conditions. Topo maps have many uses and serve as the basis for land planning, route planning, civil engineering design, architectural design, watershed and drainage analysis, visualization renderings, and geological exploration. This mapping is integral to work on projects including residential, commercial, and industrial developments; airports; roads and highways; rail and light rail; recreation facilities; water and wastewater infrastructure; mining; and more.

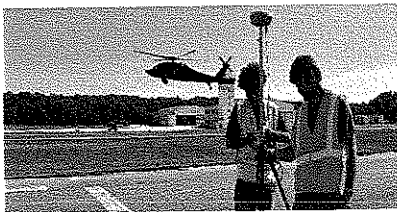
Field survey measurements are commonly made with conventional or GPS survey techniques or by 3D laser scanning to gather 3D locations for all features of interest. Specialized computer software is then used to process the data and create the topo maps. Topographic maps depict information on manmade features such as buildings, roadways, fences, and utilities; natural features such as watercourses and vegetation; and elevation information in the form of contour lines and spot elevations. The vertical information can be represented as a Digital Terrain Model (DTM) or Digital Elevation Model (DEM), along with horizontal information represented as CAD data, for direct use in design and planning application software.



GEODETC AND CONTROL SURVEYS

Stantec has extensive expertise in providing geodetic and control survey services, ranging from localized control networks for construction and mapping to permanent high-precision control stations for inclusion in regional or nationwide control networks. Work has been successfully performed on a wide range of projects for private, municipal, and government clients.

Localized control work generally utilizes plane survey techniques, while those involving larger areas must incorporate geodetic survey principles to account for the size, shape, and characteristics of the earth. Stantec's geodesists and geodetic surveyors rely on satellite based GPS (Global Positioning System) technology and specialized techniques to achieve the required high-precision results for these large-scale projects.



Control surveys support aerial mapping projects, where precise positions are set on temporary target panel points that will be visible in aerial imagery to guide photogrammetric mapping.

GPS observations can also be made on ground control points during the photo mission for subsequent processing of airborne GPS data collected within the aircraft. Control surveys are provided to guide mapping and construction stakeout work for projects such as residential and commercial developments, roads and highways, underground infrastructure, utility transmission lines, airport facilities, and high-rise building construction.

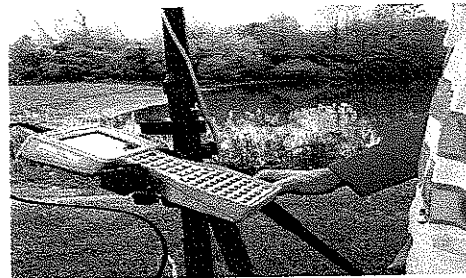
BOUNDARY SURVEYS

Stantec's surveys/geomatics team provides the full range of boundary surveys for public and private sector clients. Services include subdivision platting, parcel maps and land divisions, boundary line adjustments and reversion to acreage, right-of-way surveys, boundary retracement, record of survey maps, legal descriptions, corner records, and more.

Stantec's professional land surveyors oversee all aspects of boundary survey work including records research, field reconnaissance and monument survey ties, boundary calculations and resolution, and final preparation of maps, exhibits, or legal descriptions. Boundary survey projects can range widely in scope and complexity. Applications may be a simple retracement of an individual parcel boundary, or the creation of new parcels by subdividing land ranging from two to several thousand new lots. Easement descriptions are prepared for a wide range of needs and right-of-way surveys are performed for projects such as roadways, railroads and light rail, channels, utility transmission, and other infrastructure projects.

Stantec employs state-of-the-art technology for field applications including conventional and GPS equipment, as well as specialized computer software for calculations and map preparation. Combining these resources with the knowledge of professional land surveyors and their extensive local knowledge in individual project locations allows Stantec to successfully address all aspects of boundary survey projects.

ALTA/ACSM LAND TITLE SURVEYS



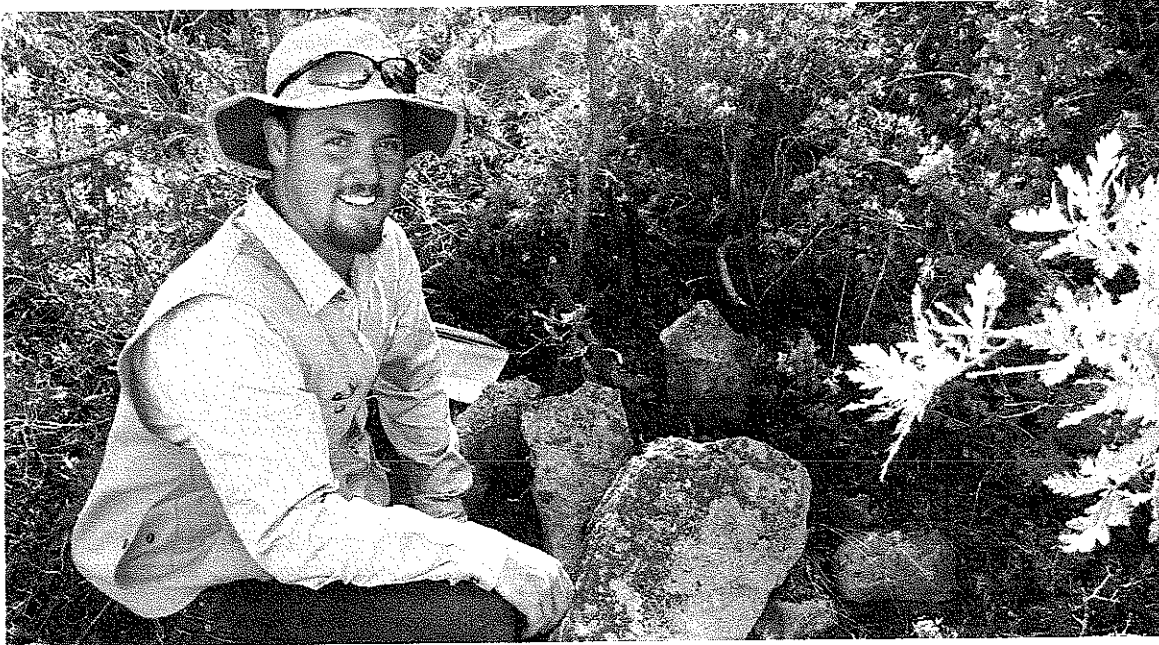
Stantec provides survey services that adhere to the American Land Title Association/American Congress on Surveying and Mapping (ALTA /AC SM) Minimum Standard Detail Requirements. The resulting maps present the legal components of the property including record boundary, easements, rights-of-way, and other encumbrances, as well as the physical site conditions of improvements and potential patterns of use.

Services for ALTA /AC SM land title surveys differ according to individual project needs and may include land area/boundary, monuments, topographic features, FEMA flood zone designations, site improvements, buildings, adjacent property owners, access, parking areas, utility locations, easements and rights-of-way, evidence of use patterns, and other specific requirements as requested. When research and field surveying tasks are completed, an official ALTA /AC SM Land Title Survey map is created to depict all required information.

ALTA /AC SM land title surveys can be completed for many types of projects including commercial and industrial development, master planned communities, individual residences, retail and mall developments, and public utility facilities, to name a few. Stantec's surveys/geomatics professionals have extensive knowledge and experience with ALTA /AC SM national requirements, as well as the local conditions that allows them to effectively advise clients and address their specific project needs.

Cadastral and Retracement Surveys

Stantec



Cadastral surveys are based upon the US Public Land Survey System (PLSS), which was initiated by the Government Land Office (GLO) in the 18th Century and continued today by the Bureau of Land Management (BLM). They exist across the entire US, except for the 13 original colonies and Texas.

Cadastral retracement surveys are needed for all projects that occur on US public lands and are regularly needed for private lands in otherwise unsurveyed rural areas, particularly in the US West.

Surveyors must research and interpret original GLO field notes and plats and apply their full understanding of the BLM's Manual of

instructions for Public Lands. Fieldwork consists of retracing and recovering original GLO monuments or evidence of their existence and conducting surveys to determine their actual position. Original monuments that were obliterated must be reset according to BLM rules.

Field data is then reduced and BLM procedures are used to subdivide the PLSS one-mile-square sections based on the location of the found or reset cadastral monuments.

Stantec surveyors have considerable experience in the retracement and resurvey of cadastral surveys and regularly conduct this work in some of the most remote and difficult areas of the West.

3D LASER SCANNING

Stantec

3DLS uses scanning instruments to transmit laser light and collect reflected return data, which is then processed to generate information about a target's surface. Stantec uses land based scanning techniques to produce 3D topographic visuals of the ground surface and the constructed environment. 3DLS uses "time of flight" measurements between the instrument and the target surface, creating myriad 3D points that are then analyzed and processed to create a highly accurate map product.

Stantec utilizes 3DLS on projects that require high definition and precision using rapid data collection techniques. It is utilized for projects including as-built surveys, transportation projects, infrastructure, industrial inventories, environmental projects, power generation, and historical architectural surveying, to name a few. 3DLS is particularly effective in applications where access is limited or hazardous to survey personnel. The resulting digital data is compatible with design and analysis software such as CA D and GIS, enabling high definition digital terrain models (DTM s) and mapping products.

Stantec's 3DLS capabilities and experience are regularly used to serve public and private sector clients throughout North America.

Cornell University | Ithaca,
New York



TRANSPORTATION

3DLS offers a wealth of uses for all types of transportation projects including roadways, bridges, light rail, transit, railroad, airports, tunnels, and more. With the immense data collected, a variety of deliverables and formats can be provided to our clients. Fly-throughs capture the entire scene while also providing the ability for measurements at any location. This is especially useful for intersections, bridges, on- and off-ramps, tunnels, freeways and interstates, etc. Additionally, precise measurements can be provided for all elements of transportation facilities, such as bridge abutments, rails, piers, and tracks.

3DLS enables safety by moving survey teams out of harm's way. Traditionally, surveyors measure roadway cross-sections by closing lanes of traffic and having survey technicians work in close proximity to moving traffic. Using this method, scans of roadway surfaces can be made of all lanes of traffic from the safety of a shoulder or an overpass. Similarly, to obtain bridge clearances, surveyors are often required to acquire vertical clearances by entering lanes of traffic and measuring the dimension from the underside of a structure. By using the scanner, these observations are done remotely. Furthermore, the method is much more accurate, providing dimensions on all points of the road surface and underside of the structure.

CONSTRUCTION SERVICES

Stantec offers complete construction management, scheduling, pay reviews, quality assurance monitoring, and construction observation on all types of transportation capital improvement projects. We provide quality control services that include project reviews, contractor quality control programs, and more, while our materials testing program encompasses testing of concrete, soils, asphalt, masonry, steel, and other building materials. Geotechnical support, pavement investigation, failure analysis, and concrete and asphalt mix design are some of our many services which assure our clients that materials meet the demands of the project design.

We are accredited by the American Association of State Highway and Transportation Officials (AASHTO) and the Cement and Concrete Reference Laboratory (CCRL) and continue to participate in proficiency sample testing and accreditation programs. Stantec laboratories adhere to AS TM E329 and AS TM D3666 for tests of concrete, steel, and bituminous materials; AS TM D3740 and AS TM E543 for testing and inspection of soils and rock, as well as non-destructive testing; and AS TM E548 for all work not in connection with concrete, steel, bituminous materials, or non-destructive tests.

Stantec also provides special "zero defects" programs for concrete and asphalt paving to avoid construction delays on time-critical projects. Our construction services complement project designs by delivering them within an approved schedule, assuring our clients that construction adheres to the project design documents, and that earthworks and materials comply with regulations and codes. Our experienced personnel offer many years of insight in reviewing construction documents throughout the design process to avoid costly project changes during construction.



Stantec and the Military

Stantec has provided design services on U.S. military installations across the country. Our work has been delivered under individual and ID/IG contracts and can be found at these installations, among others:

- Fort Bragg, North Carolina
- Fort Benning, Georgia
- Fort Knox, Kentucky
- Fort Drum, New York
- Fort Campbell, Kentucky
- Blue Grass Army Depot, Kentucky
- U.S. Military Academy at West Point, New York
- Charleston Air Force Base, South Carolina
- Nellis Air Force Base, Nevada
- Schriever Air Force Base, Colorado
- Seymour Johnson Air Force Base, North Carolina
- Vandenberg Air Force Base, California
- Warren Air Force Base, Wyoming
- Wright Patterson Air Force Base, Ohio
- March Air Reserve Base, California
- Westover Air Reserve Base, Massachusetts
- Stewart Air National Guard Base, New York
- 70 Army Reserve Installations

ACASS Ratings
Stantec has received exceptional ACASS ratings from our federal clients, including the Louisville, Nashville, and Huntington, U.S. Army Corps of Engineers Districts, as well as the U.S. Navy on all of our A/E contracts since 1992. We consistently perform at Excellent or Above Average on individual work orders. Stantec is also highly rated by the Federal Emergency Management Agency and the U.S. Coast Guard, among others.



Active GSA Schedules and ID/IG Contract Vehicles

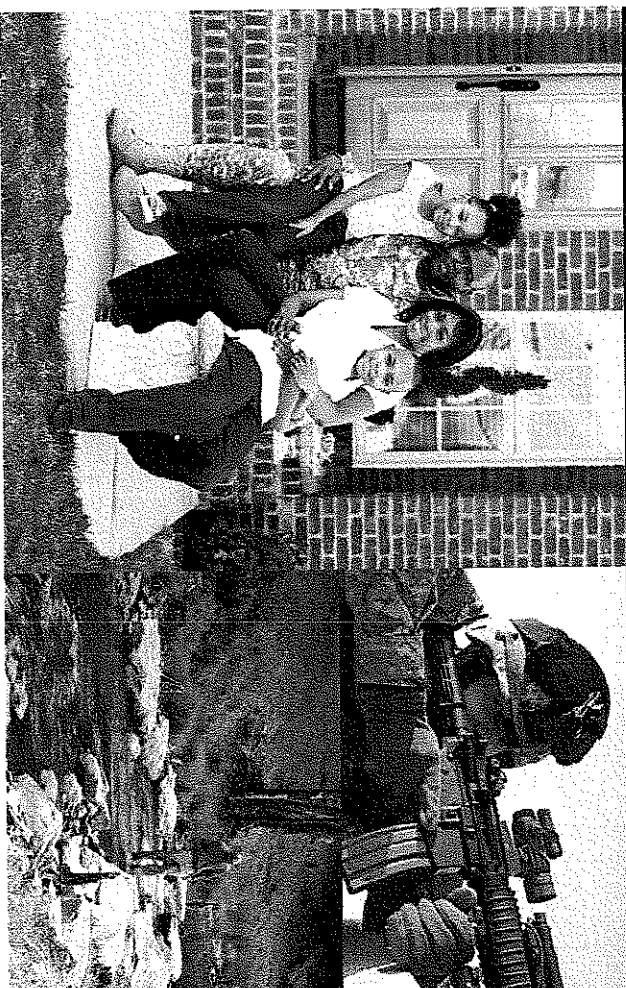
One way we can assist our federal clients in rapidly accessing and utilizing our services in the environmental sector is via several nationwide GSA Federal Supply Schedules (FSS). These provide you with direct access to our staff and services through existing government-wide acquisition vehicles. GSA has approved Stantec to complete services under FSS 899-9, Environmental Services, Special Item Numbers (SIN#):
 SIN 899-1: Environmental Planning Services
 SIN 899-2: Environmental Compliance Services
 SIN 899-4: Waste Management Services
 SIN 899-7: Geographic Information Systems
 SIN 899-8: Remediation Services
 Contract # - GS-10F-0084M, GS-10F-0354M and GS-10F-0241N

In addition, we are currently assisting more than a dozen USACE District and federal government agencies under ID/IG contracts.

For more information on how we can assist USACE, please visit www.stantec.com.

stantec.com

Engineering, Architecture, and Environmental Capabilities for
THE UNITED STATES
ARMY CORPS OF ENGINEERS



Global Expertise. Local Delivery.



The Stantec Advantage

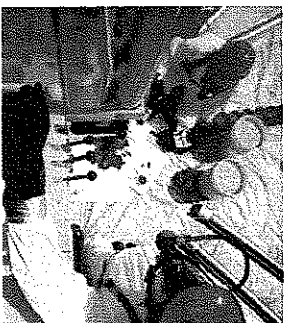


One Team. Infinite Solutions.
The U.S. Army Corps of Engineers (USACE) is the world's leading public works agency, supporting America's security, economic, and environmental interests at home and abroad. When tough jobs arise, whether responding to a natural disaster, or a need for unique water resources programs or infrastructure development in a contingency environment, America turns to the Corps for help. For decades, Stantec has proudly served military and civilian federal clients, providing a wide variety of planning, engineering, architecture, environmental, and technical services across the nation.



How We Help

- National reach and capacity with more than 110 offices across the United States and 3,900 US employees (#28 on ENR's list of the Top 500 Design Firms)
- Full-service capability throughout the life cycle of a project—planning, design, construction, maintenance, and decommissioning
- Leading North American sustainable design firm, with more than 250 projects in the LEED® registered or certified stage and some 400 LEED accredited professionals
- Early adopter of advanced design technologies including Building Information Modeling (BIM) and integrated design process (IDP)
- Company-wide registration to the International Organization for Standardization's (ISO) 9001:2000 Quality Management Systems standard
- Past and on-going highly rated performance on GSA Schedules and federal ID/IO contracts



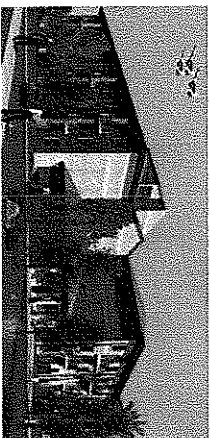
Key Design Services

Stantec's depth and breadth of professional services allows us to partner with you to deliver a host of project types, from water resources, to military infrastructure such as housing, offices, and hospitals, to roads, rail, and airports, to hazardous waste mitigation and ecosystem restoration, to water and wastewater infrastructure.

We understand the performance expectations of your customers, so our on-time, on-budget delivery promise is propelled by systems which are accountable and transparent and designs which are constructible, efficient, reliable and sustainable. We also team with some of the top experts, specially service providers, veteran- and woman-owned, small, minority, and disadvantaged business concerns to best serve your interests. All you see is a seamless project delivery system, in sync with your operations.

Our services include:

- Water Resources (flood protection including levees, dams, seismic analysis, navigation, ecosystem restoration, reconnection)



- Architecture/Building Design and Retrofit (electrical, mechanical, structural, energy engineering, industrial and process design)
- HRW/Environmental Site Remediation
- Civil/Geotechnical/H&H Engineering and Landscape Architecture
- Geographic Information Systems/BIM
- Sustainable Design—all types of infrastructure including secure, renewable energy design up to, and including, Net Zero Energy Buildings, solar and wind energy, farms, active daylighting, geothermal, biomass, and other energy-efficient solutions
- Road, Bridge, Rail, and Airport Planning and Design
- Water, Wastewater, Stormwater, and Sewer Systems

Representative Federal and USACE clients

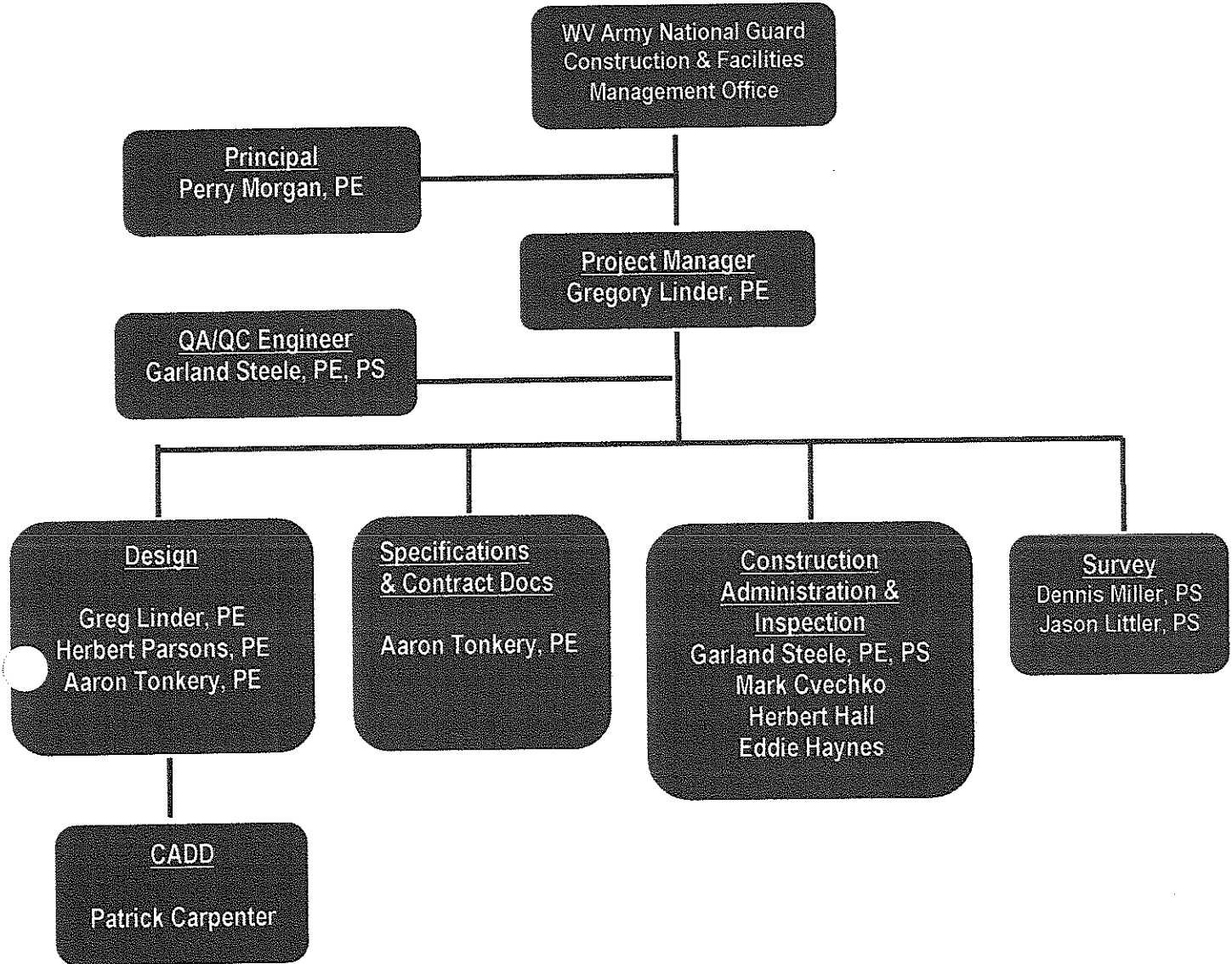
- U.S. Army/Army Reserve
- U.S. Air Force/Air Force Reserve
- U.S. Navy
- U.S. Coast Guard
- U.S. Department of Energy
- U.S. Department of Homeland Security
- U.S. Department of the Interior
- U.S. Department of Transportation
- U.S. Department of Veterans Affairs
- U.S. Environmental Protection Agency
- U.S. Forest Service
- Federal Emergency Management Agency
- Federal Highway Administration
- Federal Transit Administration
- General Services Administration
- National Parks Service



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SECTION IV

Personnel Available for Project



RESUMES OF KEY PERSONNEL AVAILABLE FOR THE PROJECT

One of the most important factors in the success of any project, or provision of any professional service, is the experience and qualifications of the key personnel who would be involved in the project. Resumes of the key people who are currently available for assignment to the proposed project are located in the upcoming pages.

Gregory Linder, PE
Project Manager



Mr. Linder has a diverse experience in project management and civil engineering. Since May of 1998, his primary responsibilities have included the design, inspection, evaluation, and rehabilitation of highway and railroad bridges; secondary responsibilities have included all aspects of roadway design, hydrologic and hydraulic analyses, and performing environmental studies.

Mr. Linder has been involved with the engineering design and/or inspection of 52 bridges, including highway, railway, and pedestrian bridges. He has designed bridge structures for large, governmental clients, as well as smaller governmental units and private sector organizations. Several of these projects have been "high profile" projects, allowing Mr. Linder the experience of working under intense public scrutiny. In addition to bridge design, Mr. Linder has been involved with nearly 30 miles of roadway design, floodplain evaluation projects, streambank protection projects, site development projects, and environmental projects.

EDUCATION

B.S., Civil Engineering, West Virginia University, Morgantown, WV, 1998

B.S., Biology, Fairmont State College, Fairmont, WV, 1993

Natural Stream Design Level I, II, III, and IV Certified, West Virginia Division of Highways

REGISTRATIONS

Professional Engineer #15629, State of West Virginia

Professional Engineer #24326, Commonwealth of Kentucky

Professional Engineer #PE074078, Commonwealth of Pennsylvania

PROJECT EXPERIENCE

Bridges

- US Route 35, Mason County, WV
- Mile Branch Truss Bridge, McDowell County, WV
- Upper Tract Bridge, Pocahontas County, WV
- Mon/Fayette Expressway, S.R. 0043, Section 52G, Washington County, PA*
- Allegheny County Bridge Inspection Program, Allegheny County, PA* Cranberry Interchange, Butler County, PA* Regional Transit Authority*
- S.R. 0056 over Stony Creek, Cambria County, PA*

- S.R. 0309 over Church Road, Montgomery County, PA*
- Star City Bridges (WV Route 7) Over the Monongahela River, Monongalia County, WV*
- Bridge Design Group H, Allegheny County, PA*
- PA Route 28, Galleria Mall Interchange, Allegheny County, PA*
- S.R. 0022 over Stony Run, Westmoreland County, PA*
- Sharon Heights Connector, Span Arrangement Study, Mingo County, WV*
- Bridge Design Group B, Allegheny County, PA*
- NJ Route 18 Extension, Section 2F, New Brunswick, NJ*
- NJ Route 18 Extension, Section 2F, New Brunswick, NJ*
- North Shore Connector, Aerial Structure, Allegheny County, PA*
- S.R. 836 Extension From NW 107th Avenue to NW 137th Avenue, Miami-Dade County, FL*
- Rail Rehabilitation Project, Akron and Canton, OH*
- Headsville Bridge Replacement, Mineral County, WV*

Roadways

- U.S. Route 35, Mason County, WV
- Appalachian Corridor H, Davis to Bismark, Tucker and Grant Counties, WV

- Weatherford Industrial Access Road, Upshur County, WV
- Greenland Gap Wind Project, Grant County, WV
- King Coal Highway, Mingo County, WV*
- U.S. Route 33 (Nelsonville Bypass), Hocking and Athens County, OH*

Floodplain Management

- Spencer Hydraulic Study, Roane County, WV
- Coalwood Floodplain Improvement, McDowell County, WV
- Rachel Floodplain Improvement, Marion County, WV
- Krout Creek H&H Investigation, Wayne County, WV
- Parsons First Baptist Church H&H Study, Tucker County, WV
- Martin Oil Company H&H Study, Lewis County, WV
- Freemans Creek H&H Study, Lewis County, WV

Site Development

- Texas Roadhouse, Wood County, WV
- CGP Development, Barbour County, WV
- Talcott Elementary School Site Design, Talcott, WV
- Buckhannon-Upshur High School Site Improvement and Drainage Project, Buckhannon, WV

Stream Restoration and Streambank Protection

- Laurel Lake Sediment Removal Project, Mingo County, WV
- Parchment Valley Streambank Protection, Jackson County, WV
- Berger Slope Failure, Brooke County, WV
- Fisher Landslide Stabilization, Jackson County, WV
- Cairo Streambank Protection, Ritchie County, WV
- Barkers Creek Streambank Protection, Wyoming County, WV

Environmental

- Gladly Fork Mining Inc., Permit D-35-82, Upshur County, WV
- Enterprise/I-79 Connector, U.S. Route 19 to I-79, Environmental Assessment, Marion County, WV*
- Southern Beltway, Allegheny and Washington Counties, PA*
-

- Enterprise/I-79 Connector, U.S. Route 19 to I-79, Biological Assessment, Marion County, WV*
- Meldahls Undercut Site, Wood County, WV*
- C&O Flats, Staunton, VA*
- Nelsonville Bat Survey, Athens County, OH*
- North Fork Watershed Management Plan, Pendleton and Grant Counties, WV
- Environmental Assessment, Deegan Lake Dam Rehabilitation and Hinkle Lake Dam Breach, Bridgeport, WV*

** denotes projects completed with other firms*



Mr. Steele has over 50 years of experience in civil engineering with a special emphasis on materials, soils, pavements, forensics, quality assurance, geotechnical exploration and design, construction inspection, and contract administration.

His experience includes in-depth field experience for the implementation of research findings; in-depth experience with a State Department of Transportation program for materials sampling and testing, materials and pavement specifications, structural steel inspection and testing, and soil and rock mechanics exploration, testing and design; in-depth experience with State Department of Transportation maintenance and construction operations; an understanding of the training needs for State Department of Transportation personnel in materials, construction, and maintenance; significant contributions to many professional organizations (ASTM, AASHTO, TRB) involved with developing materials criteria; and many years of managing a State Department of Transportation staff responsible for materials and pavement specifications, pavement design, sampling and testing programs, structural steel inspection and testing, and soil and rock mechanics exploration and design.

Mr. Steele also has in-depth experience with the oversight of operations related to the management, recovery, and repairs, required in the wake of emergencies and disasters affecting the West Virginia Highway System. Such incidents included floods, earth movements, winds, structural failures, ice and snow, and other events affecting traffic flow.

EDUCATION

Bachelor of Arts, West Virginia State University, Institute, West Virginia, 1976

- Transportation Research Board, Design and Construction of Transportation Facilities Group Council (Past Member)

REGISTRATIONS

- Professional Engineer #3929, State of West Virginia
- Professional Surveyor #1386, State of West Virginia
- Professional Engineer #24347, State of Kentucky
- Professional Engineer #25020, State of South Carolina
- Professional Engineer #0402015191, State of Virginia

Certifications

- Concrete Technician (#136), WVDOT, Charleston, West Virginia, 1990
- Aggregate Inspector (#5913), WVDOT, Charleston, West Virginia, 1990
- Asphalt Technician (#159), WVDOT, Charleston, West Virginia
- Licensed Class B Explosives Permit (#B060119285913), West Virginia, Charleston, West Virginia, 1990

PROFESSIONAL ASSOCIATIONS

- Member, American Concrete Institute
- Member, American Society for Testing & Materials
- Fellow, American Society of Civil Engineers
- Member, National Society of Professional Engineers
- Member, West Virginia Society of Professional Surveyors
- Standing Committee on Research (Past Member), American Association State Highway and Transportation Officials
- Subcommittee on Materials (Past Vice-Chairman), American Association State Highway and Transportation Officials.
- Transportation Research Board, Construction Section (Past Chairman)

EXPERIENCE

Design Team Engineer (Typical Examples)

- Buffalo Bridge, Project S340-62-20.63, Putnam County
- Upper Tract Bridge, Project S336-220-27.55, Pendleton County
- Mile Branch Bridge, Project S324-80/2-0.02, McDowell County
- Couch to Coast Guard Station, Project U327-35-14.07 00, Mason County
- Pope Properties at Cross Lanes Development
- Water Distribution System, Kanawha County
- Pope Properties at Cross Lanes Development
- Waste Water Collection System, Kanawha County

Geotechnical Engineering (Typical Examples)

- Fisher-Mill Creek Bank Stabilization (10-04), Jackson County
- *Survey, Design, and Construction Inspection*
- Hendrickson Subsidence Investigation
- *AML Project*
- Laurel Lake Sediment Removal Project, Mingo County
- *Survey, Design, and Construction Inspection*
- Nixon Run, Harrison County *AML Project*
- North fork Hughes River-Stream Bank Stabilization, Cairo, Ritchie County, West Virginia
- Old Bridgeport Hill Mine Drainage, Phase II Plans Modification, Harrison County, West Virginia
- *Harrison County-Near Bridgeport, Clarksburg – Design AML Project, P. O. #12373A*
- Sauls Run Strip and Landslide Project (7-2004), Lewis County, West Virginia
- Weaver Portals and Mine Drainage, Randolph and Barbour Counties
- *AML Project, P. O. #DEP12578, Survey, Design*

- Parchment Creek Stream Bank Stabilization
- Rt. 30/5, Jackson County
- Summit Park Waterline Feasibility Study
- Tunnelton (Dillsworth) Landslide, Preston County

Survey Team Engineer (Typical Examples)

- Earling to Rich Creek, Project S323-10-8.61 05, Logan County
- Rita Bridge to Midway, Project S323-10-8.61 07, Logan County
- King Coal Highway Project, Nicewonder Contracting, Inc., Mingo County
- Joe Pope Parcel 10.1 Development, Kanawha County

Construction Administration Services (Typical Examples)

- Alaska DOT
- Marshall County Airport Authority
- Transportation Research Board*

WV DOH

- Corridor H, Project X316-H-100.40 07, Hardy County
- Construction Inspection and as-needed Surveying
- Davis Creek I64. Project U320-64-49.73 04, Kanawha County
- Construction Inspection
- Culloden Overpass, Project S340-60.03, Cabell County
- Construction Inspection
- District 10, Bridge, Roadway, and Building Projects, District Wide as needed
- Construction Inspection
- Soil Inspector, Engineering Division (1955-1957)*
- Assistant to Chief Soils Engineer/Assistant Chief Soils Engineer (1957-1961)*
- Materials Engineering/Testing
- Chief Engineer of Materials and Tests (1961-1962)*
- Assistant Director, Materials Control, Soil and Testing Division (1962-1965)*
- Director, Materials Control, Soil and Testing Division (1965-1977)*
- Chief Engineer-Operations (1977-1981), WVDOH*
- Construction, Maintenance and Materials Engineer (1981-1985), WVDOH*
- Engineering and special Studies Advisor (1985-1988), WVDOH*
- Strategic Highway Research Program (SHRP)*
- Oil and Gas Field Exploration, Production and Storage Operations (1946 -1955)*
- West Virginia State Road Commission (1945 -1946)*

PUBLICATIONS

"Statistical Considerations in Sampling and Testing"

"Statistical Considerations in Sampling and Testing".

"Asphalt Concrete Synthetic Reference Sample Program and the LTPP Asphalt Concrete Core Proficiency Sample Program".

"Round I Hot Mix Asphalt Laboratory Molded Proficiency Sample Program

"Round I Type I Unbound "

Type II Unbound Cohesive Subgrade Soil Synthetic Reference Sample Program".

"Type I Unbound Granular Base Synthetic Reference Sample Program".

"Round I Type II Unbound Cohesive Subgrade Soil Proficiency Sample Program".

"Portland Cement Concrete Core Proficiency Sample Program".

"A Dynamic Committee in a Century of Change".

"Roads-Keystone of the Infrastructure".

"Quality Assurance - A System in Practice". *Annual Meeting of the Transportation Research Board, 1981.*

"Development of Practical Performance-Type Specifications". *Tenth Quality Assurance Workshop, 1977.*

"Materials Data Handling Systems (Quality Assurance Systems and Their Development)". *62nd Annual Meeting, AASHTO, 1976.*

"Polymer Modified Concretes in Bridge Deck Overlay Systems".

"Developments in the Prediction of Potential Strength of Concrete from the Results of Early Tests".

"Cooperative Materials Technician Certification Program".

"The Development of West Virginia Department of Highways Paint and Painting Specifications".

"A Quality Assurance System for Acceptance of Asphaltic Materials".

"Bituminous Concrete - Definition of Required Quality -Its Measurement and Evaluation".

"Computer Application to Quality Assurance Systems (CATQAS)".

"Use of Certification for Materials Acceptance".

"West Virginia's Probability Specifications".

"Prediction of Potential Strength of Concrete from the Results of Early Tests".

"Statistical Quality Assurance in Highway Construction, What We Have Learned and What We Need to Know"

"Design of Double-Limit Specifications (Bituminous Concrete Paving Mixtures)".

"The Statistical approach to Realistic Highway Specifications".

"Specifications and Acceptance Procedures for Graded Aggregates".

"A Pycnometer Test Procedure for Determining Asphalt Content of Paving Mixture".

"West Virginia Experience in Developing Statistical Specifications".

"Statistical Research (Applications to Bituminous Concrete)".

* denotes projects completed with other firms

Aaron Tonkery, PE
Project Engineer



Mr. Tonkery is a Project Engineer with training and experience in civil site design, transportation engineering, and environmental permitting. Prior to joining the firm, Mr. Tonkery served as a Highway Engineer Trainee for the West Virginia Division of Highways (WVDOH).

EDUCATION

B.S., Civil Engineering Technology, 2000
Fairmont State College,
Fairmont, West Virginia

REGISTRATIONS

Professional Engineer - # 18237
State of West Virginia

PROJECT EXPERIENCE

Greenland Gap Wind Energy Project
M.A. Mortenson Co. – Grant County, WV

Appalachian Corridor H
WVDOH – Grant / Tucker County, WV
U.S. Route 35

Upper Tract Bridge Replacement
WVDOH – Pendleton County, WV

Mile Branch Bridge Replacement
WVDOH – McDowell County, WV

**Weatherford Fracturing Facility Access Road Upshur
County – West Virginia**

Glady Fork Coal Company
WVDEP – Buckhannon, WV

Spencer Hydrologic & Hydraulic Study
WVCA – Spencer, WV

Parsons First Baptist Church H&H Study
Parsons FBC – Tucker County, WV

Krout Creek H&H Investigation
WVCA – Wayne County, WV

Laurel Lake Sediment Removal Project
WVCA – Mingo County, WV

**Danehart Acid Mine Drainage (AMD) Project ODNR –
Yorkville, OH**

Nutter Tipple Reclamation Project
ODNR – Logan, OH

Flint Run AMD Project
ODNR – Jackson County, OH

Murray City AMD and Art Project
ODNR – Hocking County, OH

**Old Bridgeport Hill Mine Drainage Project WVDEP –
Clarksburg, WV**

Texas Roadhouse
Greenberg Farrow – Parkersburg, WV

Northeast Mud Services Company Project
NEMS Co. – Harrison County, WV

Phillippi Shop-N-Save
Craig Phillips – Barbour County, WV

Institute for Software Research
Central Contracting Co. – Fairmont, WV

Project Impact
Tucker / Randolph County – West Virginia

West Virginia State College
WVSC – Institute, WV

NPDES Permit – Stormwater / Construction
WVDEP - State of West Virginia

Herbert L. Parsons III PE, LS

Project Engineer



Mr. Parsons has more than 13 years experience and has participated as a project manager on a wide variety of survey projects, including GPS, aerial mapping and control, ALTA, boundary, construction stakeout, design, topographic and wetlands surveys. His responsibilities include project proposals, research and review, client and crew coordination, data reduction and calculations, boundary resolutions, and legal descriptions. As a license surveyor in the Commonwealth of Virginia, Mr. Parsons is proficient with current technologies and traditional methods of field and office surveying. Mr. Parsons has responsible charge for all Virginia based survey operations and reviews and approves all required signature documents. Additionally as a licensed engineer he brings a unique perspective to Stantec's survey department and projects.

EDUCATION

B.Sc., Civil Engineering, Virginia Military Institute,
Lexington, Virginia, 1994

Designated Plans Examiner #176, Engineers and
Surveyors Institute, Fairfax County, Virginia, 1998

Designated Plans Examiner, Engineers and
Surveyors Institute, Loudoun County #063,
Virginia 2002

REGISTRATIONS

Professional Engineer #015279, State of West
Virginia

Professional Engineer #PE070521E,
Commonwealth of Pennsylvania

Registered Land Surveyor #2895, Commonwealth
of Virginia

Professional Engineer #033680, Commonwealth
of Virginia

PROFESSIONAL ASSOCIATIONS

Member, West Virginia Society of Professional
Surveyors

Member, National Society of Professional
Engineers

Member, American Society of Civil Engineers

Member, Engineers and Surveyors Institute

PROJECT EXPERIENCE

Sports, Recreation & Leisure
Elco Park Recreation Improvements, Elco, PA

Ida Lee Tennis Center, Leesburg, VA

Arthurdale Trail, Arthurdale, WV

Raspberry Falls Golf and Hunt Club
Conference and Training Center, Loudoun
County, VA

Attractions, Arts & Entertainment

Carmike Cinemas Site Plan, Morgantown, WV

Site Development

Holly Meadows, Leesburg, VA

Henderson Property, Loudoun County, VA

Evergreen Meadows, Loudoun County, VA

Falling Water Subdivision, Cheat Lake, WV

Urban Land Engineering

Holly Meadows, Leesburg, VA

Boundary Surveys

Theismann Properties, Loudoun County, VA Johnson
Property, Rockingham County,
VA

Kelly Properties, Monongalia County, WV

Theismann Properties, Loudoun County, VA

Floodplain Management

Lawson Drainage Study, Morgantown, WV

Partridge Subdivision (Floodplain Study), Loudoun
County, VA

Multi-Unit / Family Residential

Round Hill Rural Estates, Upper Lakes

Nesteled Oak, Morgantown, WV

Greenwood Commons, Loudoun County, VA (Project
Manager)

Roadways

Raspberry Falls Rte 1170 Street Design, Leesburg, VA

Red Cedar Rte 621 Improvements, Leesburg, VA

RHRE Rte 719 Frontage Improvements, Round Hill, VA

Jason Littler, PS

Professional Land Surveyor



Mr. Littler has over 13 years of experience with responsibilities including such positions as Roadway Designer and Survey Project Manager. He has performed roadway design, site civil design, drainage computations, construction layout, earthwork volumes, topographical surveys, aerial control surveys, boundary surveys, WVDOH right of way plan development, courthouse research, deed work maps, survey plats, survey descriptions, earthwork volume computations, hydrology computations, WVDOH waste permits, plan preparation, subdivision plats, fine grade computations, and field crew management. He has been in professional charge of over 1000 boundary surveys ranging in size from small lot and partition surveys to large multi-tract 1000 acre surveys. He has performed ALTA/ASCM land title surveys all throughout West Virginia for various Banks and development companies.

EDUCATION

BS, Engineering Technology/Surveying, West Virginia Institute of Technology, Montgomery, WV, 1996

AS, Civil Engineering Technology, West Virginia Institute of Technology, Montgomery, WV, 1995

REGISTRATIONS

Certified Engineering Technician #1902, State of West Virginia

Professional Land Surveyor #2139, State of West Virginia

PROJECT EXPERIENCE

Airports & Aviation

- Barnesville Airport, Barnesville, OH
- Marshall County Airport, Moundsville, WV
- Woodsfield Airport, Woodsfield, OH
- Buckhannon Upshur Airport Authority, Buckhannon, WV*

Bridges

- Upper Tract Bridge, Pocahontas County, WV
- Mile Branch Truss Bridge, McDowell County, WV
- Varney Slab Bridge, Varney, WV
- Dolls Run Slab Bridge, Core, WV
- Headsville Bridge, Headsville, WV
- Granny Creek Bridge, Sutton, WV*
- Buffalo Bridge, Buffalo, WV
- Kittsonville Bridge, Weston, WV*

Land Development

- Sun Mountain Resort, Mount Hope, WV*
- Northeast Quad Development, Bridgeport, WV*
- Fairskies Development, Buckhannon, WV*

Power

- TrAIL Co., Various Counties throughout WV
- Nedpower Mount Storm Wind Project, Grant County, WV
- Blacksville #2 Power line, Greene County, PA
- Cambell's Run to 11D Air Shaft, Marion County, WV

Roadways

- Philippi Bridge and Bypass, Philippi, WV
- Bridgeport Bypass, Bridgeport, WV
- Price Hill Road, Marlinton, WV
- Appalachian Corridor H, Tucker and Grant Counties, WV
- U.S. Route 35, Mason County, WV
- Appalachian Corridor H, Hardy County, WV
- US Route 23, South Bloomfield, OH

Surveys / Geomatics

- WVDOH—Red Jacket Postal Facility ALTA Survey, Mingo County, WV
- Robinson Run Overland Conveyor Project, Harrison County, WV
- Robinson Run Preparation Plant, Harrison County, WV
- WVDEP Office of Abandoned Mine Lands
- WVDEP Office of Abandoned Mine Lands and Reclamation, Infinite Solutions.
- Tygart Valley Dam, Grafton, WV*

* denotes projects completed with other firms

Dennis Miller, PS
Surveys/Geomatics

Mr. Miller has over 22 years of consulting experience and serves as the Manager of the Buckhannon, WV office, which provided support for the Transportation, Abandoned Mine Land, Surveying, Construction Observation – Construction Inspection, and Mitigation and Emergency Planning groups. Mr. Miller has worked on governmental, commercial, and industrial projects and has noteworthy experience in the policies and procedures within FEMA, EPA, AASHTO, WVDOT, WVDEP along with local and state EMA and EOC, and has completed EMI IS-700" entitled "National Incident Management System (NIMS), "IS-00546" entitled "Continuity of Operations (COOP).

Mr. Miller organized the development of a 15 person construction observation and AMRL certified materials testing lab. This group was selected as the Independent Testing Laboratory for two Federal Prison projects and provide testing and inspection services for public agencies and private sector clients. Mr. Miller organized a team of professionals with experience in Abandoned Mine Land and Acid Mine Drainage. This team provides services to the West Virginia Division of Environmental Protection Office of Abandoned Mine Lands and Office of Special Reclamation, Ohio Department of Natural Resources and the West Virginia Conservation Agency.

EDUCATION

A.S., Surveying, Glenville State College, Glenville, West Virginia, 1989

Civil Engineering courses, Fairmont State College, Fairmont, West Virginia, 1991

REGISTRATIONS

Professional Land Surveyor #27570, State of South Carolina

Professional Land Surveyor #991, State of West Virginia

PROJECT EXPERIENCE

Airports & Aviation

Woodsfield Airport, Woodsfield, OH

Mr. Miller was the task manager responsible for supervising the surveying on the Runway Extension and Obstruction project on this airport in Woodsfield.

Barnesville Airport, Barnesville, OH

Mr. Miller was the task manager responsible for supervising the surveying on the Access Road Improvements, and Storm Drain Improvements project on this airport in Barnesville.

Green County Airport, Green County, OH

Mr. Miller was the task manager responsible for supervising the surveying on the Runway Extension and County Route relocation efforts at the airport in Green County Ohio.

Buckhannon Upshur Airport, Buckhannon, WV

Mr. Miller was the party chief and project manager responsible for field surveying and construction layout efforts on this airport project in Buckhannon.

Bridges

Mile Branch Truss Bridge, McDowell County, WV

Mr. Miller was the Office manager responsible for surveys for the 180-foot, 22-foot wide steel bridge crossing the Dry Fork River. The bridge substructure consists of integral abutments and T-Type piers supported on caisson foundations. The project also involved 370' of new two-lane roadway design.

Upper Tract Bridge, Pocahontas County, WV

Office manager responsible for surveys for the 346-foot long, 30-foot wide curved steel bridge crossing

the South Branch of the Potomac River. The bridge substructure consists of integral abutments and T-Type piers supported on caisson foundations. The project also involved 740' of new two-lane roadway.

Appalachian Corridor H - Davis to Bismark, Tucker and Grant Counties, WV,

Office Manager responsible for surveys for the 1.61 mile section of four-lane divided highway near Davis, WV.

Power

Consol Energy; Blacksville #2 Power Line (Principal In Charge)

Consol Energy; Campbell's Run to 11D Shaft (Principal In Charge)

Shell Energy, Grant County, West Virginia

TrAllco, Central Contracting, West Virginia (Principal In Charge)

Roadways

West Virginia Power Center Coal Haul Road Survey and Layout, Mt. Storm, West Virginia
Mr. Miller was in charge of the re-survey of 4.2 miles of coal haul access roads for Virginia Power at Mt. Storm. The scope of this project was to construct the coal haul access roads within a specific period of time because the new fuel preparation/coal transfer station was opening and a new coal supplier had been put under contract.

US Route 35, Mason County, West Virginia

Mr. Miller served as the Office Manager responsible for surveys for the 1.85 mile section of four-lane divided highway. The section of highway also includes dual 400' bridges over Three Mile Creek and dual 92' bridges over Two Mile Creek.

Surveys / Geomatics

West Virginia Department of Environmental Protection

West Virginia Department of Transportation (Independent Payment Verification)

Mr. Miller is the Program Coordinator/Project Manager and served as a field crew member for the past two years on the independent payment verification for the King Coal highway Red Jacket Section. Stantec was ask to perform an Independent Payment Verification Reconciliation Report as required by WVDOT and the FHA on 11.37 miles of four lane divided highway which is a active coal mining & construction site.

Project Impact Randolph Tucker Partnership
Mr. Miller was the Office Manager and served as Project Manager on the planning, development and implementation of the work plan to successfully install and Blue Book sixty-five (65) new USGS Bench Mark Monuments within Randolph and Tucker Counties in West Virginia. This Project was completed in forty-five (45) days to comply with the funding mechanism and involved three offices and over fifteen employees.

Source Water Assessment Program

Mr. Miller was responsible for the overall project management of the Source Water Assessment and Protection Program (SWAP). The purpose of the project was to complete source water assessments and protection plans for fifteen (15) communities in West Virginia, public water supply systems utilizing surface waters to determine past and present possible contaminants. Mr. Miller managed the inventory of all field and researched data including, agency database research, windshield surveys data, field & office GIS & GPS data collection on each site and sub-site, Chemical & Biological Water Quality Monitoring results for each site, and the development of the Arc View – Access data management tool, and final report compilation. Responsibilities included data collection (which consisted of visiting several sites throughout West Virginia to GPS possible source water contaminants within a pre-determined zone of critical concern), compiling information from various water treatment plants throughout the state, report compilation and assistance with the development of GIS mapping.

Mark Cvechko

Inspector – Level II



Stantec

Education A.S., Land Surveying
Glennville State College, Glennville, West Virginia (1977)

Certifications & Affiliations *West Virginia State Police Academy, Institute, WV (1978)*
Portland Cement Concrete Inspector
Compaction Inspector
Aggregate Sampler

WV Contractors Association
WV Association of Land Surveyors
Upshur County chamber of Commerce
Board of Directors, Buckhannon Country Club

Experience and Qualifications Mr. Cvechko has a diverse background in Heavy/Highway Construction, as well as Civil-Environmental Surveying and Design. Mr. Cvechko has over 20 years of management experience in the Heavy/Highway/Building/Water and Sewer industry. Mr. Cvechko has worked as senior estimator and project manager on projects ranging from one to ten million dollars. Mr. Cvechko has also performed plan review on design projects for constructability. Mr. Cvechko also has field experience as a superintendent, which attributes a key element in the design process.

Mr. Cvechko currently manages the Construction Services Department in the Buckhannon office of Stantec Consulting Services Inc., which includes Geotechnical Investigation, Construction Observation, and Quality Control Testing.

Project Experience Profile Mr. Cvechko has managed and worked on numerous large heavy/highway projects. Some projects include:

- Sampling & testing of materials at source of supply under MCS&T Contract
- Corhart Manufacturing Press Building-High Point Construction
- Gladly Fork Mine treatment Plant –WVDEP
- 4 Mile Overland Beltline – Consol Energy, Robert and Shaffer, Ground Breakers
- St. Joseph Hospital Addition – St. Joseph's Hospital
- Bluestone Dam Rehabilitations – National Engineering
- Hazelton Federal Prison - P. J. Dick Corporation
- Glennville Federal Prison – Bell Justice Facilities
- Statewide Traffic Study – PA Department of Transportation
- Route 50 By-Pass – WV Department of Transportation
- Oil Creek Road – WV Department of Environmental Protection
- Masontown AML – WV Department of Environmental Protection
- Broaddus Hospital – Private
- Spruce Fork Face up – anchor Energy
- Route 60 Slide – WV Department of Transportation
- Mussleman High School – School Building Authority
- Calhoun County High School – School Building Authority
- Snowshoe Site and Utilities – Private
- Corridor H – WV Department of Transportation

HERBERT C. HALL
Inspector – Level IV



Stantec

Education Bluefield College, *Bluefield, Virginia*
Major: Assoc. of Science in Engineering, 1969

Bluefield State College, Bluefield, WV
Major: BS, Chemistry Major/Math Minor, 1971

Certifications Level IV – Bridgemont Community & Technical
College, #1100

Concrete Inspector – WVDOH

Concrete Technician – WVDOH

Aggregate Technician – WVDOH

Asphalt Inspector – WVDOH

Compaction Inspector – WVDOH

Computer Skills West Virginia Division of Highways Progress
Record System (PRS)

FORTTRAN Computer Programming

Work Experience Engineering Tech (May 2008 - August 2010)
Stantec Consulting Services Inc.
218 6th Avenue, St. Albans, WV 25177

- Perform project inspection and documentation of all facets of small and medium bridge construction
- Inspect and document condition of link and pin joints on various bridges throughout WV
- Inspect various drainage corrections and document results

Retired from WVDOH – October 2004

Engineering Tech (November 1971– October 2004)
West Virginia Division of Highways
208 hardwood Lane, Princeton, WV

- Office Mgr. of small, medium, and large highway construction projects of all types, (i.e. roadway construction, bridges, HMA, traffic signals, etc.)
- Supervised several multimillion dollar rehabilitation, renovation, and resurfacing projects on the WV Turnpike (I-77)
- Supervised several resurfacing projects in Beckley, WV simultaneously
- Lead inspector on Sophia Water System Renovations, including a pumping station, road bore, multiple valves, thousands of feet of 6" waterline and a 300,000 gallon concrete, underground dual chambered water tank
- Inspected most of the common aspects of roadway construction

Work Ethic

Report regularly and promptly when scheduled for work and training, always more than accommodating when schedule changes are encountered or requested. Take a personal view to ensure all assigned equipment and property are treated with care and respect. Maintain a very high level of honesty, taking responsibility for work performance regardless of how it is viewed. Personally ensure that all assigned objectives are accomplished in a timely manner that meets or exceeds the expected quality standards.

EDWARD G. HAYNES

Inspector – Level III

Education Concord College, Athens, WV
Princeton High School, Princeton, WV

Certifications National Institute for certification in Engineering Technologies
Level IV Highway Construction #61636
ACI Concrete Field Testing Technician – Grade I
(ID#01025343)
PCI Certification – Level I (Registration # 11823) & Level II
(Registration #21319)

Fairmont State University
Transportation Engineering Technician Sr., Construction
Specialization #1026

Experience **Stantec Consulting Services, Inc. Sept. 1, 2004 to Present**
Lead Inspector, Prestressed Concrete Plant

WV Department of Highways (July 1978 – June 2004)
Princeton, West Virginia
Project Supervisor Inspector

Experience includes over 20 bridges, many roadway and paving projects, other miscellaneous highway construction projects, and pavement marking projects

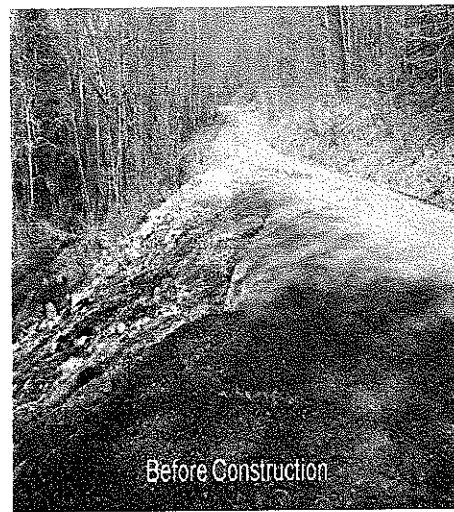


SECTION V
Relevant Project
Briefs

Pringle Road Landslide Remediation; Camp Dawson

West Virginia Conservation Agency – Tygarts Valley Conservation District – Preston County

- Topographic Surveying and Mapping
- Subsurface Investigation
- Drilled Pile and Lag Wall Design
- Site Reclamation
- Cost Estimates
- Construction Plans
- Construction Specifications
- Construction Observation



US Route 35 Improvements

Client:

WVDOH

Dave Bodnar, Design Project Mgr.

Building 5, Room 317-A

1900 Kanawha Blvd. E.

Charleston, WV 25305

Telephone #: 304-558-2830

Construction Budget:

\$22,600,000

Key Elements:

- Field survey
- Horizontal and vertical geometry
- Intersection and turn lane design
- Structural design
- Hydrologic analysis for two mile creek and three mile creek
- Erosion and sediment control
- Right-of-Way design
- Section 404 and NPOES permit application
- Major and minor drainage design

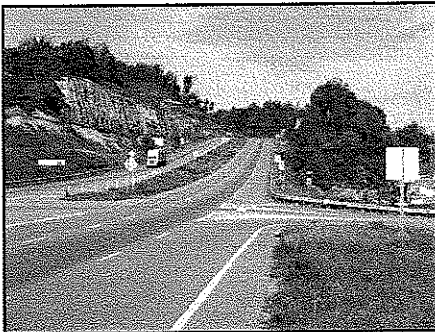
US Route 35 Improvements**Roadway Design****West Virginia Div. of Highways (WVDOH)****Mason County, West Virginia**

This project involved the upgrading of U.S. Route 35 to a four-lane divided highway between Point Pleasant and Winfield, West Virginia. The construction budget for the project totals over \$22 million.

In addition to the 1.85 mile mainline roadway design, the project included the relocation and design of Mason County Route 34 and existing U.S. Route 35. The intersection of Mason County Route 34 was planned and designed to include a turn lane for optimum traffic control. Several design options were studied and the design team at Stantec Consulting (formerly R.D. Zande) worked with the client to ensure the most cost effective and feasible plan was chosen.

Stantec Consulting (formerly R.D. Zande) was also responsible for all erosion and sediment control as well as hydrologic analysis for Two Mile and Three Mile Creeks. Subsequently, the project also included a 400 foot dual bridge over Three Mile Creek and a 92 foot dual bridge over Two Mile Creek.

Other key factors to the project included all major and minor drainage design and the project's NPOES Permit application.



Appalachian Corridor H



Stantec

Client:

WVDOH

Dirar M. Ahmad, Project Engineer

Building 5, Room A-317

1900 Kanawha Blvd., E.

Charleston, WV 25305

Telephone # 304-558-2830

Construction Budget:

\$11,000,000

Key Elements:

- Field survey
- Horizontal geometry
- Intersection and turn lane design
- Erosion and sediment control
- Right-of-Way design
- NPDES permit application
- Major and minor drainage design
- Subsurface investigation
- Stormwater retention



Appalachian Corridor H West Virginia Dept. of Highways (WVDOH) Roadway Design Weston, WV to Staunton, VA

Appalachian Corridor H constructed from Weston, West Virginia to the state line near Staunton, Virginia. The new four-lane highway is a major east-west route in West Virginia. The construction budget for the project totaled over \$11 million.

Stantec Consulting was responsible for the design of the 1.6-mile section of Corridor H linking Davis and Bismark, West Virginia. The project involved the construction of a four-lane divided highway along West Virginia State Route 93 between the Mt. Storm power plant and the Tucker County / Grant County lines.

In addition to designing a portion of this highway, Stantec Consulting was responsible for completing all field surveys required for the alignment design, drainage calculations and mapping associated with the new highway.

Mile Branch Truss Bridge over Dry Fork



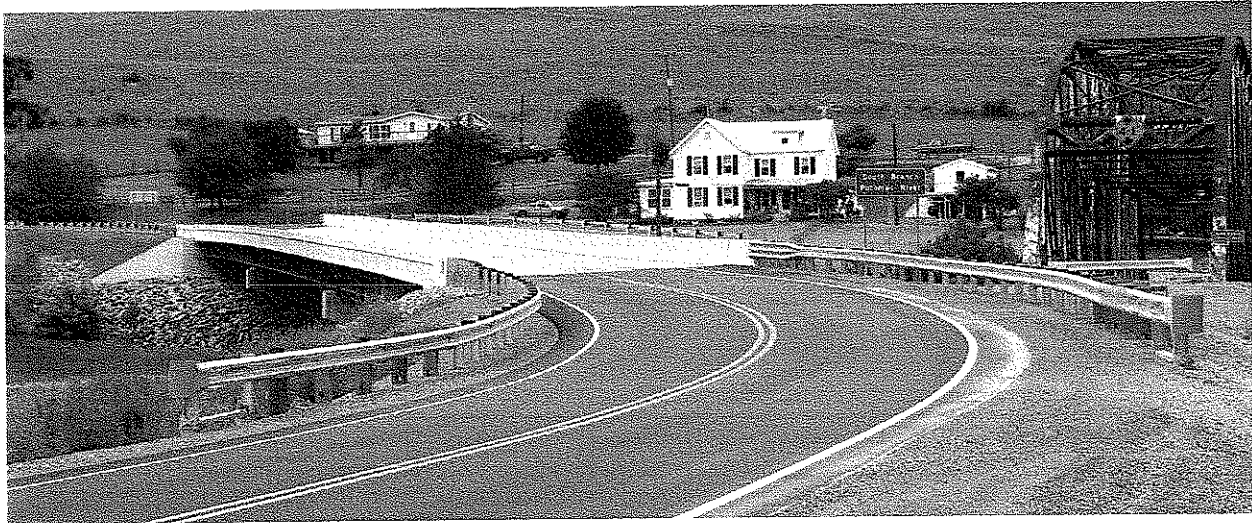
- McDowell County
- Constructed in 2005/06
- Steel Girder 2 span
- 183 ft Structure Length
- 24 ft 6 in wide
- 336 ft 2 lane roadway
- \$1 Mil Construction Cost

Upper Tract Bridge



Stantec

Upper Tract, Pendleton County, West Virginia



Stantec was retained by the West Virginia Division of Highways (WVDOH) to design a new bridge on U.S. Route 219 in Upper Tract, WV. We performed a Hydraulic Analysis of the South Branch of the Potomac River, provided construction plans, construction cost estimates, right-of-way plans, and erosion and sediment control plans for the new bridge and relocated roadway sections. The new bridge is a 349 feet total length, 3 span steel structure, with a curved super-elevation transition on the bridge. The project included 835 LF of relocated 2 lane roadway and was constructed in 2005.

Huntington Downtown Improvements

Huntington, West Virginia

Working closely with city representatives, local redevelopment consultants, Pullman Square developers, property and business owners, and interested residents, Stantec developed street restoration plans for three vital corridors in downtown Huntington. The focus of these efforts was to support a vibrant business and pedestrian center.

The master plan included converting 3rd Avenue from a heavily-traveled arterial to a business-friendly street by rerouting Ohio-bound and other through travelers from 3rd Avenue to Veterans Memorial Boulevard and converting this from a one-way route to a two-way street.

The number of westbound travel lanes on 3rd Avenue was reduced from four to two at 13th Street, the gateway intersection to the downtown area. Streetscape features including a large transition island and raised center median with decorative features and banner poles were constructed to define this transition. The streetscape improvements introduced many elements drawing inspiration from history, existing improvements and the Pullman Square development.

9th Street renovations involved converting this two block section from a confusing and difficult to navigate mix of one-way vehicular access and parking to a people and business friendly street. Working with City leaders and business owners, our team developed a variety of traffic and parking alternatives. The preferred solution reestablished low speed two-way traffic on 9th Street, and maximized sidewalk widths and parking. These elements are essential to pedestrian circulation, strengthening the sense of connection to 3rd Avenue and Pullman Square, and access to the businesses along 9th Street. Our familiarity with the project area, City staff and project requirements allowed this project to be designed and constructed within a short timeframe.

The historic Keith-Albee Theatre is the focus of improvements along 4th Avenue. This two block section was designed to reduce the street cross section from 4 to 3 lanes and included pedestrian crossing.

I-64/Huntington Mall Interchange Design Study, Huntington WV

This project is typical of the congestion and safety problems arising from significant commercial development adjacent to a major interstate route. The Huntington Mall is a 1.8 million square foot retail complex located 10 miles east of Huntington along Interstate 64. This retail center is isolated to the north of I-64 with a single entry/exit point, having a projected average daily traffic volume of 45,000 vehicles per day.

Our firm completed this design study to determine the feasibility and cost of various alternatives to improve access to and from the mall to I-64. Development on the north side of I-64 will result in a severe deterioration in the capacity of the Existing Mall Road. The studied alternatives included widening Mall Road to seven lanes, constructing a parallel road west of existing Mall Road interchange to serve traffic coming from the west on I-64, and reconstruction of the I-64 interchange by adding a direct loop ramp from eastbound I-64 to the mall ring road.



Stantec

SECTION VI

Location of Office

LOCATION OF OFFICE

Work for this contract will be performed in our Buckhannon office with support from the St. Albans office and other corporate offices as needed. Due to our close collaboration on projects, our professionals frequently travel between offices and have developed efficient and effective modes of communication and working relationships. This ensures that services are provided seamlessly, no matter the physical location.

Stantec Consulting Services Inc.

One Moore Avenue
Buckhannon, WV 26201
(304) 472-7140

218 - 6th Avenue
St. Albans, WV 25177
(304) 722-3951

1500 Lakeshore Drive
Suite 100
Columbus, Ohio 43204
(614) 486.4383



SECTION VII
Certificates of
Authorization

TL / 32
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01/25/11
1:30 PM



Stantec

CERTIFICATE OF
Authorization

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers
having verified the person in responsible charge is registered in
West Virginia as a professional engineer for the noted firm, hereby certifies*

**STANTEC CONSULTING SERVICES, INC.
C00438-00**

Engineer in Responsible Charge: GARLAND STEELE - WV PE 003929


*has complied with section §30-13-77 of the West Virginia Code governing
the issuance of a Certificate of Authorization. The Board hereby notifies you of its
certification with issuance of this Certificate of Authorization for the period of:*

July 1, 2010 – June 30, 2011

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.

IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA
UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD.



BOARD PRESIDENT

Certificate of Authorization

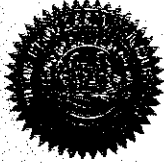
The West Virginia Board of Professional Surveyors
having verified the person in responsible charge is a licensed
professional surveyor for the noted firm, hereby certifies that

**STANTEC CONSULTING
SERVICES, INC.
(ST. ALBANS, WV OFFICE)**

has complied with the provisions of West Virginia Code
§ 30-13A-20, governing the issuance of a Certificate of
Authorization. The Board hereby notifies you of its certification
with issuance of this Certificate of Authorization for the period
January 1, 2011 through December 31, 2011
for providing professional surveying and mapping services
in the State of West Virginia.

Certificate No. 11-5714

In witness whereof I have put my hand,
this 27th day of December, 2010.



Chairman

Secretary



SECTION VIII

References

References

Mr. Jeff Miller

Camp Dawson
jeff.s.miller@wv.ngb.army.mil
304-791-4389

Mr. Gregg Smith, P.E.

Project Manager
West Virginia Department of Environmental Protection
105 South Railroad Street, Suite 310
Philippi, WV 26416
304-457-3219

Mr. Gene Saurborn

Watershed Management Director
West Virginia Conservation Agency
201 Scott Avenue
Morgantown, WV 26508
304-285-3118

Mr. Darrell Allen, P.E.

Deputy State Highway Engineer/Construction & Development
West Virginia Division of Highways
Building 5 - 1900 Kanawha Boulevard
Charleston, WV 25305
304-558-6266

Mr. David McCoy,

Project Manager
West Virginia Department of Environmental Protection
105 South Railroad Street, Suite 310
Philippi, WV 26416
304-457-3219

Mr. Joe Pope

Pope Properties
304-768-4978

Mr. Gregory L. Bailey, P. E.

Director, Engineering Division - West Virginia Division of Highways
Building Five - Room A317
1900 Kanawha Boulevard, East
Charleston, WV 25305

Ms. Jennifer Belcher

Construction Engineer - Dist. 10
West Virginia Division of Highways
270 Hardwood Lane
Princeton, WV 24740
304-487-5271



Startec

SECTION IX
Signed Addendum
& Purchasing
Affidavit



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
 2

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

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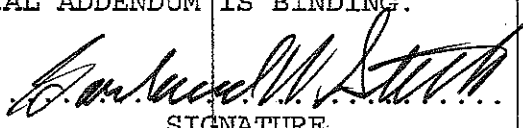
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DIV ENGINEERING & FACILITIES
 ARMORY BOARD SECTION
 1707 COONSKIN DRIVE
 CHARLESTON, WV
 25311-1099 304-341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
01/11/2011				

BID OPENING DATE: 01/25/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<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 STANTEC CONSULTING COMPANY January 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						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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

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: Stantec Consulting Services Inc

Authorized Signature: [Signature] Date: 1/25/11

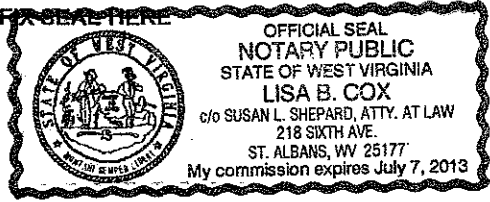
State of West Virginia

County of Kanawha, to-wit:

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

My Commission expires July 7, 2013

AFFIX SEAL HERE



NOTARY PUBLIC [Signature]