



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Expression of Interest
 02 – Architect/Engr

Proc Folder: 481522

Doc Description: Camp Dawson Underground Utilities Design

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2018-08-07	2018-08-29 13:30:00	CEOI 0603 ADJ1900000006	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

RECEIVED

2018 AUG 29 AM 10:30

WV PURCHASING
 DIVISION

FOR INFORMATION CONTACT THE BUYER

Stephanie L Gale
 (304) 558-8801
 stephanie.l.gale@wv.gov

Signature X

FEIN #

55-0631839

DATE

8/28/18

All offers subject to all terms and conditions contained in this solicitation

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

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.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: CTL Engineering, Inc.

Authorized Signature: *[Signature]* Date: August 28, 2018

State of West Virginia

County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 28 day of August, 2018.

My Commission expires August 3, 2023.

AFFIX SEAL HERE



NOTARY PUBLIC *[Signature]*

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Timothy Darrah
(Name, Title)
Timothy Darrah, Civil and Survey Department Manager
(Printed Name and Title)
1091 Chaplin Road Morgantown, WV 26501
(Address)
304-292-1135 / 304-296-9302
(Phone Number) / (Fax Number)
Tdarrah@ctleng.com
(E-mail address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

CTL Engineering, Inc.
(Company)


(Authorized Signature) (Representative Name, Title)

Timothy Darrah, Civil and Survey Department Manager
(Printed Name and Title of Authorized Representative)

August 28, 2018
(Date)

304-292-1135 / 3041-296-9302
(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM

SOLICITATION NO.: CEOI 0603 ADJ1900000006

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification. Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further 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.

CTL Engineering, Inc.

Company


Authorized Signature

August 28, 2018

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.



CAMP DAWSON
WEST VIRGINIA ARMY NATIONAL GUARD

EXPRESSION OF INTEREST
Underground Utilities Design
CAMP DAWSON

August 29, 2018



ETL
ENGINEERING INC.



EXPRESSION OF INTEREST

Underground Utilities Design

CAMP DAWSON

Statement of Qualifications Table of Contents

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SECTION 1 OVERVIEW OF FIRM



August 24, 2018

West Virginia Army National Guard
Construction & Facilities Management Office
1707 Coonskin Drive
Charleston, WV 25311

Attention: Dean Wingerd

Subject: Expression of Interest
Underground Utilities Design at Camp Dawson
CTL Qualification Number: 17100125MORQUAL

Dear Ms Friend,

CTL Engineering, Inc. (CTL) is pleased to submit these qualifications for Engineering Services for the West Virginia Army National Guard. Mr. Timothy Darrah, as the CTL Team Project Manager, is authorized to negotiate and commit CTL's resources for this assignment. The enclosed qualifications demonstrate the CTL Team's capabilities and experience for this project assignment.

CTL offers the following unique qualifications for this assignment:

- Established experience in providing professional engineering services for multiple projects including projects or permitting for Army Corps of Engineers, EPA, West Virginia DEP, West Virginia DOT, Ohio Department of Natural Resources, Ohio DOT, West Virginia University, West Virginia University Hospitals, Mon Health Systems, City of Morgantown, MUB and other Municipalities.
- CTL has provided engineering services for projects located in Camp Dawson, including Geotechnical Engineering and Construction Inspection and Testing.
- A proven record of over 90 years of providing engineering consulting, testing, and geotechnical engineering services for the tri state area.
- Multi-disciplined offices within the region staffed with qualified and experienced personnel. Offices in Columbus, Cincinnati, Cleveland, Akron, Ohio; Indianapolis, Indiana, Manassas, VA and Morgantown, WV available to support the project for this assignment and future needs.
- An Internet accessible, web-based reporting system that is secure and accessible 24 hours/day-7 days/week to project team members and CTL's client.
- Capability to perform in-house all the services required to complete the project. This allows CTL to be timely and efficient throughout the project.

Responsible Office

1091 Chaplin Road
Morgantown, WV

- CTL provides **Best Value** by leveraging existing resources with proven performance to achieve timely & cost effective solutions.
- Extensive capabilities & demonstrated experience in the ability to provide engineering services for a diverse cliental.
- CTL has experience working at **Camp Dawson** and has completed projects in the watershed.



CTL understands that simplicity, speed and flexibility are critical to the success of the project and we are confident that our team has the capability to bring the projects to a successful completion. We appreciate this opportunity to submit our qualifications and look forward to a favorable reply to our submittal. Please do not hesitate to call either of the undersigned at (304) 292-1135 if you have any questions or need additional information.

Respectfully submitted,
CTL ENGINEERING, INC.

Timothy Darrah
CTL Department Manager
Project Manager

Joseph Stanley
CTL Project Manager
Client Relations



Executive Summary

LEGAL NAME OF PROPOSER:
CTL ENGINEERING, INC.

OFFICE RESPONSIBLE FOR WORK:
1091 CHAPLIN ROAD
MORGANTOWN, WV 26501

TELEPHONE NUMBER:
PH: 304.292.1135

TYPE OF ENTITY:
Corporation

DUE DATE OF SUBMITTAL:
AUGUST 29, 2018

PROJECT MANAGER:
Timothy Darrah
tdarrah@ctleng.com

CLIENT RELATIONS:
Joseph Stanley
jstanley@ctleng.com

**CTL WAS BUILT ON THREE
FOUNDATIONAL PILLARS:**

COMMUNICATION

TEAMWORK

**LEADERSHIP IN
TECHNOLOGY**

COMPETENCE TO PERFORM THE REQUIRED SERVICE. *CTL's goal is to show that our work is transparent and lean. We treat every project, every dollar as if it were our own because we are not a service but a business partner. Our mantra is "It is our project also".*

CTL is a multidisciplinary Consulting Firm that provides **Environmental Permitting, Environmental Design, Civil Site Design, Surveying, Construction Inspection, Materials Testing and Geotechnical** services for private development and local agencies and municipalities. Our highly qualified Team is capable of providing all the services outlined in this Request; We have a wide range of experience that can be called upon as seen fit by the client in order to deliver all projects assigned to our Team on time, within budget, and as per contract documents and specifications. Our Team possesses the depth of resources, staff and knowledge to insure quick and efficient furnishing of qualified personnel as dictated by the client's needs.

ABILITY TO PERFORM EXPEDITIOUSLY. Seamless collaboration with the Project Managers/Engineers in all Divisions is essential for project success. We understand the role and responsibilities of the project engineer, inspector and technician and will become a true extension of the client's staff. We practice partnering on all projects by engaging and communicating with all members of the project team and all stakeholders involved with the project. Our Team possesses the depth of resources, staff and knowledge to insure quick and efficient furnishing of qualified personnel as dictated by the client's needs.

LOCAL WORKFORCE. The Morgantown Office is in close proximity of the site, with some employees living or having lived in Preston County and has a local knowledge of the project site and the surrounding areas.

CLOSING. We hope this submittal gives an indication of our qualifications, experience, and abilities. You are invited to visit our office and laboratory facilities at your convenience or we are willing to meet with members of the project team so that we can further demonstrate the quality of our operation.



Description of the Firm

CTL Engineering, Inc. is a full service **consulting engineering, testing and inspection company** with a significant amount of experience in Environmental, Civil, and Geotechnical Engineering. We have over 250 employees including Registered Professional Engineers, Geologists, Metallurgists, Chemists, and a variety of Certified Engineering Technicians. CTL Engineering is qualified to provide services in the following disciplines: Civil and Municipal Engineering, Surveying, Observation and Testing of Construction Materials and Processes, Geotechnical Engineering, Environmental Services, Mechanical and Metallurgical Analysis, Non-Destructive Evaluations, Chemical Analysis, Roofing Design and Inspection, Building Envelope Evaluation, Pavement Design, Structural Steel and Product Testing.



CTL Engineering was established in 1927 and has maintained a presence within the State of West Virginia for over 30 years and throughout the State of Ohio for over 90 years. We have one of the most diverse firms in the region, a complete construction materials laboratory, a diversified local staff, and experience with large-scale local projects.

CTL Engineering operates under the guidance of our Quality System Manual, which addresses all requirements of ASTM E 329 "Standard Practice for Use in Evaluation of Testing and Inspection Agencies as Used in Construction," and AASHTO R18 "Establishing and Implementing a Quality System for Construction Materials Testing Laboratories."

CTL Engineering is regularly inspected by agencies such as the State Transportation Departments, the Cement and Concrete Reference Laboratory (CCRL) and the U.S. Army Corps of Engineers. Also, the National Institute of Science and Technology (NIST) and AASHTO accredit us in testing of concrete, soils, aggregates and asphalt.

- *CTL is regularly retained to provide services for private and public entities, (Army Corps of Engineers, EPA, West Virginia DEP, West Virginia DOT, West Virginia University, West Virginia University Hospitals, Mon Health Systems, City of Morgantown, MUB and other Municipalities*
- *CTL personnel are fully trained and equipped to perform the required task throughout the project. We have experience in **Implementing Sampling Plans, Preparing Progress Reports, and Preparing a Plan of Action.***
- *CTL Engineering **emphasizes good communication and interpersonal skills** that make our personnel valuable assets*
- *CTL takes pride in completing projects in a **cost effective and timely manner***

- *CTL provides **Best Value** by leveraging existing resources with proven performance to achieve timely & cost effective solutions.*
- *Extensive capabilities & demonstrated experience in the ability to provide engineering services for private and public clients.*





Consulting Engineering • Testing • Inspection • Analytical Laboratory Services
Employee Owned • Established 1927

SITE/CIVIL ENGINEERING



SERVICES INCLUDE:

- Commercial Land Development
- Residential/Community Planning
- Infrastructure Planning and Design
- Pavement Design and Management
- Conceptual Designs/Presentations
- Recreational Resort/Facility Planning
- Erosion and Sediment Control Design
- Storm Water Management Systems
- Preliminary Cost Estimates/Feasibility Analyses
- Oil and Gas Pad and Pipeline Layout, Design, Survey, and Permitting
- As-Built Surveys and Drawings Remediation Plans for AML and Emergency Programs
- Permitting for all Project Types
- Site Development, Utilities and Appearance

CTL ENGINEERING'S IN-HOUSE STAFF PROVIDES A FULL ARRAY OF SERVICES WITH SUPPORT FROM OUR SITE/CIVIL DEPARTMENT, INCLUDING MAPPING AND SURVEYING SERVICES

FULL SITE LAYOUT DESIGN INCLUDING:

- Topographical Mapping Development
- Global Positioning Systems (GPS) Services
- Aerial Mapping Layout and Control
- Construction Layout
- Wetlands Delineation/Flood Plain Determination and Certification
- Property Survey and Boundary Determination
- Micrometer Leveling






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SURVEYING & MAPPING SERVICES



 **CTL Engineering maintains a full service, in-house surveying and mapping team, which has extensive experience in performing most common surveying needs.**

CTL Engineering has the professional staff and the latest equipment to support eight (8) full survey crews. Our equipment includes a Global Positioning System and robotic surveying instruments which gives us an added dimension to our surveying and mapping capabilities.

We have performed surveying and mapping on many of our civil/site projects and have supplied construction stakeout and monitoring for many of our clients.

Professional Services:

- Property Surveying and Boundary Determination
- Topographic Mapping Development
- Aerial Mapping Layout and Control
- Gas Midstream Development and Construction Surveys
- Construction Layout
- Settlement Plate Monitoring
- Micrometer Leveling
- Flood Plain Determination and Certification
- Wetland Profiling

Project Synopsis

- Residential Subdivision Layout
- Commercial Development Layout
- Access Road and Parking Lot Layout
- Bridge Construction Layout and Monitoring
- Elevation Certificates (FEMA)
- Property Survey Projects
- Storm Water Surveillance Mapping
- Water Body Sounding Studies



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ENVIRONMENTAL SERVICES



In-Situ Remediation



Underground Storage Tank Removal



Invasive Species Control



Friable Asbestos Pipe Insulation



Cellular Tower Site Assessment



Wetland/Stream Mitigation & Monitoring

CTL has been providing Environmental Services since 1987 and has successfully completed over 7,100 projects of varying complexities for a diversified clients.

Our clients includes Governmental agencies, Universities, Private Banks, Developers, Communication Tower, Pipeline and Oil & Gas Exploration Companies, etc. Our years of experience have made us aware of the regulatory and technical challenges our clients face when environmental issues arise.

Our clients have come to appreciate our ability to balance regulatory requirements while maintaining projects' feasibility and continuity. With multiple office locations and a knowledgeable staff of geologists, environmental scientists/engineers, wetland scientists, industrial hygienist, and certified HazMat professionals, we can provide a diverse range of environmental services to our local and regional clients. Whether our clients need a Phase I ESA or a full-scale remediation project, CTL Engineering's Environmental Department is the single source for your environmental needs.

Additional Environmental Related Services:

Real Estate Related Services

- Phase I and II ESA's
- Transaction Screenings
- FCC/NEPA Section 106 Reviews

Building Evaluation Services

- Asbestos Hazard Evaluations
- Asbestos Abatement Design/Monitoring
- Lead-Based Paint Surveys
- Indoor Air Quality Assessments
- Mold Testing and Remediation

Ecological Services

- Stream, Wetlands & Jurisdictional Waters of the U.S. - Assessment & Delineation
- 404/401 Wetland Permitting
- Wetland/Stream Mitigation and Monitoring
- Threatened & Endangered Species Habitat Research and Surveys

Underground Storage Tank Services

- UST Removal & Closure
- BUSTR Tiers 1, 2 & 3 Evaluations
- Remedial Investigations and Corrective Actions

Geophysical Surveys

- Ground Penetrating Radar (GPR) survey to detect utilities and orphan USTs
- Resistivity Testing of soil for grounding system designs.

Hydrogeologic Services

- Soil Borings & Subsurface Evaluations
- Ground Water Investigations
- Monitoring Well Installation
- Soil & Ground Water Remediation
- Groundwater Mapping/ Modeling
- Storm Water Pollution Prevention Plans (SWPPP) Preparation, Design, and Inspections

Permitting/Compliance

- NPDES Permitting Support
- Solid-Waste Landfill Permitting
- Permit to Install/Operate (PTI & PTO)
- Compliance with Permit Conditions

Waste Management Services

- Hazardous & Non-Hazardous Waste Characterization and Disposal
- Spill/ Discharge Response Plans
- Effluent Sampling & Analysis
- RCRA Planning and Closure
- Spill Prevention Control & Countermeasure Plans (SPCC)

Transportation Related Services

- Environmental Screening
- CE Documentation Preparation
- BUSTR Site Assessment
- Ecological Investigations



CTL ENGINEERING'S GEOTECHNICAL DEPARTMENT ROUTINELY PERFORMS SUBSURFACE INVESTIGATIONS, SOIL AND ROCK TESTING. WE PREPARE ENGINEERING REPORTS, MAKE RECOMMENDATIONS REGARDING FOUNDATION AND CONSTRUCTION TECHNIQUES AND PERFORM OTHER GEOTECHNICAL SERVICES AS DICTATED BY A GIVEN PROJECT.

DRILLING SERVICES:

CTL Engineering owns and operates its own fleet of drill rigs. Our rigs are capable of Hollow Stem Augering, Rotary Core Drilling and Direct Push Sampling. CTL is able to perform in-house energy transfer calibrations on all of its automatic drive hammers. In fact, CTL calibrates many of our competitors' drive hammers as well.

CTL has continuously owned and operated drilling equipment since the 1970's. We have the equipment and experience to perform just about any geotechnical or environmental drilling project you may have.

ANALYTICAL LABORATORY:

Our soils laboratory has been accredited by AMRL since 1999. The lab has consolidometers, triaxial and direct shear apparatus, permeability devices, soil compaction, soils classification equipment and other laboratory testing equipment. We routinely perform testing on undisturbed, as well as remolded soil samples. We also provide strength and durability testing services on rock samples.

GEOTECHNICAL SERVICES:

- Complete Subsurface Exploration Study
- Foundation Analysis
- Pile, Pier and Caisson Analysis and Inspection
- Embankment and Earth Dam Analysis
- Slope Stability Analysis
- Settlement Analysis
- Pavement Design
- Rock and Mineral Testing
- Hydrogeologic Studies
- Field and Laboratory Testing of Soils/Rock
- Legal Testimony
- Dynamic Pile Testing

CTL ENGINEERING ROUTINELY PROVIDES SUBSURFACE INVESTIGATIONS ON THE FOLLOWING:

- Roads and Bridges
- Airport Terminals, Runways and Taxiways
- Water/Wastewater Treatment Facilities
- Hospitals, Parking Garages, Higher Education, and PK-12 School Facilities
- Energy Facilities
- Telecommunication Towers
- Commercial, Retail, and Industrial Facilities





CTL Engineering has a solid working knowledge of the West Virginia Building Code with respect of Chapter 17, Structural Tests and Special Inspections

We routinely perform these services on many building construction projects. We also communicate regularly with key officials of the Division of Industrial Compliance, Board of Building Standards and Bureau of Building Code Compliance regarding the specific implementation and enforcement requirements of the Code.

A project's construction phase requires reliable testing and inspection services. Building owners, architects, engineers, and contractors choose CTL Engineering for this work, knowing that we are accurate, dependable, and perform our services in a timely manner.

CTL Engineering examines existing structures to evaluate potential problems. Failed structures are analyzed to determine the cause and extent of damage. We evaluate structural integrity during initial construction and at regular intervals after completion. CTL Engineering routinely evaluates metal and concrete pipes.

We perform audio/video surveys, sonic velocity testing, x-ray examinations, half-cell potential, and other destructive and nondestructive tests.

CTL Engineering provides testing and inspection of the following:

- Sitework
- Foundations
- Air Barrier Testing
- Reinforced Concrete
- Structural Steel
- Masonry
- Sprayed-on Fire Proofing
- Roofing Systems
- Single & Multi-Story Building Structures
- Bituminous & Portland Cement Concrete Paving
- Highway and Airport Pavements
- Parking Garages & Bridges
- Water & Wastewater Treatment Facilities & Associated Piping Systems

CTL Engineering's technicians maintain the following certifications and/or training:

- ACI (American Concrete Institute) Level I
- NICET Certification, Level I, II, III, or IV
- Hazardous Materials Certification
- Confined Space Entry Training
- Radiation Safety Training
- WVDOT, ODOT, and NCDOT Certification





SECTION 2 PROJECT PERSONNEL



CTL TEAM ORGANIZATION



Timothy Darrah
Project Manager

Geotechnical



Patrick Gallagher, PE, PS
Geotechnical Lead

Carl Selfridge
Geotechnical Engineer

Design / Engineering



Greg Foreman, PE
Civil Lead

Reuben Hought, EIT
Project Engineer

Environmental



Bipender Jindal, PE
Environmental Lead

Marc Winerstein
Environmental Scientist

Construction Services



Jim Gowarty
Construction Services Lead

Robert Adams
Senior Technician

Surveying



Terry Allison, PS
Survey Lead

JB Chambers
Crew Chief

CTL Team Key Personnel / Experience

Gregory Foreman, P.E. | Project Engineer

Education: B.S. Civil Engineering

Professional Registrations: Professional Engineer, WV, PA

Summary: Mr. Foreman will be the Design Lead for the project. Mr. Foreman has been with CTL Engineering for more than 10 years and has served as Project Manager and Design Engineer for a multitude of design projects for municipal, commercial, and private developer clients. He has over 25 years of experience with consulting engineering organizations. Prior to joining CTL, Mr. Foreman's career involved project engineering roles for Horner Brothers Engineers and Greenhome & O'Mara. Mr. Foreman's experience includes roadways and streets including design, permitting, bid package development, and construction oversight.



Relevant Project Experience

Mr. Foreman's experience includes municipal infrastructure, commercial development, roadways, streets including design, permitting, bid package development, and construction oversight. Representative experience includes:

- University Place – Civil Site Lead – 4 Block Student Housing P3 Project – Morgantown, WV.
- SC Bodnar Residence – Sunnyside- PM – All Civil Site Development
- The Reserve – Residential Community Development – PM – Berkeley Springs, WV.
- Woodford Oil – Morgantown – Bulk Oil Plant Facility – PM – All Civil Site
- Mount Morris Municipal Authority, Pennsylvania. Lead engineer for design of sewer system remediation design
- Fairview, West Virginia. Project engineer for improvements within WVDOH right of way.
- Star City, West Virginia. Project Engineer for Industrial Avenue and Boyers Avenue Streetscapes. Effort involved design site evaluation, utility relocation and removal, preparation of specifications and construction bid packages.

Tim Darrah | Civil/Site and Surveying Department Manager

Education: B.S. Civil Engineering

Summary: Mr. Darrah will serve as the project manager for CTL. Mr. Darrah is presently responsible for department management for municipal engineering, civil site design and surveying projects including topographic, property and construction layout. Mr. Darrah also serves as project manager on various types of civil engineering projects including water, sewer and stormwater designs as well as residential, commercial developments and reclamation design projects. Office work includes site designs, hydrology calculations, quantity calculations, and various other forms of engineering related duties.



Relevant Project Experience

- Maple Drive WVDOH road design and utility relocations.
- Scotts Run Water Line, Wiles Hill Tank & MUB Access Road Survey-Surveying & Layout. Morgantown, W.V.
- Linwood Street Stormwater-Stormwater System. Morgantown, W.V.
- Dorsey Knob Public Services District As Built Survey-Surveying Services. Morgantown, W.V.
- WVUH Stormwater Analysis-Stormwater Analysis. Morgantown, W.V.
- Mon General Hospital Development-Site Design. Morgantown, W.V.
- Fairmont (Jackson Addition) Subsidence Project-AML
- Reclamation, Subsidence Investigation & Geotechnical. Marion County, W.V.
- University Place-Geotechnical, Surveying, Civil Site & Environmental Services. Morgantown, W.V.
- University Park-Geotechnical, Surveying & Civil Site Services. Morgantown, W.V.
- Pee Wee Hill Water Line Design, Kitzmiller, MD
- Farmington Box Culvert, Stormwater & Hydraulic Modeling. Farmington, W.V.
- Farmington Floodplain Expansion, Stormwater, Hydraulic Modeling and Floodplain Analysis, Farmington, W.V.
- Harvest Ridge Subdivision, Sewer, Water and Stormwater Design & WWTP. Morgantown, W.V.

Patrick E. Gallagher, PE, CPGS | Quality Assurance**Education:** B.S. Civil Engineering, Minor in Geology**Summary:** Mr. Gallagher will serve as the quality assurance lead for the project. Mr. Gallagher is President of CTL Engineering of WV, Inc. In 30+ years at CTL, Projects successfully completed under Mr. Gallagher's direction include: Civil Site Design, Foundation Design, Stormwater Management, Waste Water Design, Roadway Design, Parking Lot Design, Geotechnical Investigations & Design, Site Stability Analyses, Mine Subsidence Evaluations, sinkhole remediation, Failure Investigations and Environmental Investigations and Expert Witness Testimony.**Relevant Project Experience**

- I-79 Interchange Morgantown – Geotechnical Project Manager on this Design Build to the Town Centre.
- Mon General Site Development-Site Design. Morgantown, W.V.
- Ambulatory Care Center-Project Manager - Morgantown, W.V.
- Grand Central Apartments-Geotechnical Services. Morgantown, W.V.
- Gateway Development-Site & Civil Services. Morgantown, W.V.
- Federal Correctional Institute-PM- Various Civil Services. Hazelton, W.V.
- Mr. Gallagher has been involved in numerous Failure Investigations and Forensic Projects over the past 40 years. He has been approved as an expert in the areas of Foundation Failures, Blasting, Flooding, Slope failures, Construction Defects, Structural, and Residential Construction Defects.

Bipender Jindal, P.E., C.P. | Project Engineer/Certified Professional**Education:** B.ChE.in Chemical Engineering; B.Sc. in Biological Sciences**Summary of Experience:** Mr. Jindal is the Director of Environmental Services for CTL, with over 30 years of experience in providing and managing Environmental Site Assessments (ESAs), Hazardous Waste Management, UST Services and other aspects of environmental services. Mr. Jindal's innovative approach to project management has resulted in substantial cost savings for clients. Under Mr. Jindal's management, CTL's execution of ESAs for all the ODOT roadway improvement projects, ODOT rest areas, and the Nelsonville By-Pass project were completed on time and under budget. In addition, 99% of CTL's ODOT District 3 and 6 task order projects were completed on time and under budget.

In 2007, Mr. Jindal obtained accreditation as an Asbestos Project Designer in the State of Ohio and completed abatement project designs for the Ohio State University and Kent State University projects. As a Certified Professional under the Ohio EPA's VAP, Mr. Jindal has conducted VAP compliant Phase I & II ESAs, including remediation and has issued one No Further Action (NFA) letter and obtained Covenant Not to Sue (CNS). Mr. Jindal has experience with in-situ & Ex-situ treatment of organic/petroleum contaminated soil & groundwater & has completed several projects successfully.

Relevant Project Experience**Davis Wince Architects, Ltd; Columbus, OH; 2007**

Conducted site visit for developing the hazardous material survey plan for the OSU Jones Graduate Tower Renovations project.

Braun & Steidl Architects, Inc., Columbus, OH 2007-2008

Managed the hazardous material survey for the abandoned City of Columbus water treatment laboratory facility.

Harris Design, Columbus, OH; 2008

Conducted site visit for developing the hazardous material survey plan for the former City of Columbus Police Building renovation project.

Davis Wince Architects, Ltd; Columbus, OH; 2006-2008

Conducted hazardous material survey for the former 6-story, Ohio Department of Job and Family Services Building.

James P. Gowarty | Construction Administration Lead

Education: B.S. Civil Engineering Technology, 1990; A.S. Mechanical Engineering Technology, 1990

Summary: Mr. Gowarty will serve as the **Construction Administration Lead** for the Project. As the Construction Services Manager for CTL Engineering of West Virginia Inc., Mr. Gowarty is responsible for supervising field and laboratory personnel. He is also responsible for report writing for field and laboratory testing, project management, client contact, estimating, proposals and invoicing for Construction Services Department. Mr. Gowarty's experience also includes surveying, pre-mining and pre-blast surveys, field supervision of drilling crews, Phase I Environmental Site Assessments and radiation safety officer and corporate safety officer. In addition, Mr. Gowarty is the Construction Materials Testing Supervisor, providing concrete, compaction, and aggregate testing and has over twenty (28) years of experience with Nuclear Gauge Operation.

Mr. Gowarty has been CTL's Corporate Safety Officer since the Fall of 2008. Mr. Gowarty is CTL's USNRC Safety Officer.

**Relevant Project Experience**

- Mon Health Systems,-Preston Memorial Hospital-Variou Civil Engineering Services, Kingwood, WV
- WestRidge Development- WVU Health Systems-Civil Site Services-Morgantown, WV
- Hazelton Federal Correctional Institute-Variou Civil Engineering Services. Hazelton, W.V.
- Harrison Power Station Landfill Expansion Phase IV and V, Contract Administration-Haywood, WV
- Easton Hill Upgrade-WVDOT-Construction Services-Morgantown, WV
- U.S DOE Facility-Geotechnical, Construction, Surveying Services. Morgantown, W.V.
- I-81 Martinsburg to Marlow Interchange-Design Build. Martinsburg, W.V.
- Water Treatment Plant Correctional Action Design-Geotechnical & Construction Administration. Marion County, W.V.
- Fairmont Airport-Variou Services. Fairmont, W.V.
- Mileground Roundabout-Construction Services. Morgantown, W.V.

Marion

Terrence Allison PS | Survey Lead

Education: A.A.S. Surveying & Construction Technology, A.A.S. Computer Technology

Registration: Licensed Surveyor in West Virginia and Ohio

Summary: Mr. Allison has over 35 years of all types of surveying in West Virginia, around the country and around the world. He is responsible for the supervision, coordination, reporting and consultation of land surveying and construction surveying related services. These responsibilities include reviewing of the scope of work, project plans and specifications prior to the start of work, assigning appropriate field crews and cad personnel to projects, reviewing all field and office work for the project and delivering the final plats, deeds and other surveying products requested. Mr. Allison has been the project manager on a variety of surveying projects that include, but are not limited to boundary and topographic surveys, municipal infrastructure and park surveys, oil and gas well plats and design surveys, FEMA LIDAR check surveys, cell towers, subdivisions, site developments, roads, bridges, sewers and other utilities, flood control studies, and construction layout for major buildings, roads, and bridges.



J.B. Chambers | Chief Surveyor

Education: Garrett County Community College

Summary: Mr. Chambers will be responsible for field surveying for the project. Mr. Chambers presently serves as a Surveying Supervisor and Party Chief for the Morgantown office. He is responsible for working directly with the Department Manager to coordinate projects and schedule personnel necessary to perform the required scope of services. Typical projects successfully completed by Mr. Chambers include a variety of surveying services such as; ALTA and ARSM surveys, utility locates, oil and gas line surveying, topographic, boundary, construction, site layout, mining, route, flood plan, as well as wetland delineation and control.

**Relevant Project Experience**

- West Virginia University - Various Projects - Surveying Services, *Monongalia County, West Virginia*
- West Virginia University Hospital, Surveying General Contract, *Morgantown, West Virginia*
- Piedmont Water Treatment Plant, *Piedmont, West Virginia*
- Scotts Run Public Service District, *Morgantown, West Virginia*
- Reedsville Sewer Project, *Reedsville, West Virginia*
- Jefferson Street Bridge, *Fairmont, West Virginia*
- I-81 Cross Sections, *Berkeley County, West Virginia*
- Scotts Run Water Line, Wiles Hill Tank & MUB Access

Reuben Haught, E.I. | Civil Engineer

Education: B.S. Civil Engineering Technology

Summary: Mr. Haught will provide engineering support to stormwater modeling and design for the project. Mr. Haught is a Staff Engineer and CAD Designer whose responsibilities include site design, site grading, stormwater design in and out of MS4 communities, NPDES permitting, retaining pond design, and impoundment stability inspections.

He is proficient in AutoCAD Civil 3D, Hydraflow Hydrographs, Microsoft Word, and Microsoft Excel.

**Relevant Project Experience**

WVU Track and Aquatic Center in Morgantown, WV: Site Layout, Site Grading, Stormwater Design, Erosion and Sediment Permitting, Retaining Pond Design.

WVU Medicine Clinic in Fairmont, WV: Site Grading, Stormwater Design, Erosion and Sediment Permitting, Retaining Pond Design

Mon General Outpatient Facility in Fairmont, WV: Site Grading, Stormwater Design, Erosion and Sediment Permitting, Retaining Pond Design

Joseph Stanley | Civil Engineer

Education: A.S. Drafting and Design

Summary of Experience: Mr. Joe Stanley is a Staff Engineer, Project Manager, and CAD Designer in the Morgantown, West Virginia office of CTL Engineering, Inc. His responsibilities include assisting in the planning and design of civil site design projects involving land planning and site development aspects. His projects vary from commercial and residential properties, mine and energy sites, and also includes state, county, and local roads.

Relevant Project Experience

- Fairmont Subsidence – Abandoned Mine Land Reclamation, Marion County, West Virginia
- Morgantown Anderson Highwalls – Abandoned Mine Land Reclamation Design, Monongalia County, West Virginia
- Shinns Run Portals – Abandoned Mine Land Reclamation & Portal Closure, Harrison County, West Virginia
- St. Clair Portals – Abandoned Mine Lands Reclamation, Monongalia County, West Virginia
- University Park – Student Housing, Monongalia County, West Virginia





SECTION 3 PAST PERFORMANCE

**Camp Dawson Project Experience**

YEAR	CTL DEPARTMENT	CLIENT	PROJECT DESCRIPTION	CTL PM
2015 / 02	Const. Services	COOPER CONSTRUCTION	LIVE FIRE EXERCISE BREECH SITE - CAMP DAWSON	GOWARTY
2009 / 02	Const. Services	AMEC EARTH & ENVIRONMENTAL, INC.	CAMP DAWSON	GOWARTY
2009 / 05	Geotechnical	COASTAL DRILLING	CAMP DAWSON	SELFRIE
2008 / 05	Geotechnical	K-CON, INC.	CAMP DAWSON	SELFRIE
2004 / 02	Const. Services	WVARNG - CAMP DAWSON	BILLETING FACILITY	GOWARTY
2002 / 02	Const. Services	MEC	CAMP DAWSON ROAD	GOWARTY
2002 / 05	Geotechnical	ALPHA ASSOCIATES	CAMP DAWSON BILLETING FACILITY	
2001 / 02	Const. Services	LAURITA EXC	CAMP DAWSON	GOWARTY
2000 / 02	Const. Services	MOUNTAINEER	CAMP DAWSON	GOWARTY
1998 / 02	Const. Services	MCCOURT & SONS	CAMP DAWSON	GOWARTY

Past Project Experience

Project: Maple Drive Widening
Client: Mon Health Systems / WVDOT
Contact: Ed Phillips
Phone: (304) 598-1404
Location: Morgantown, West Virginia

Project Description: CTL Engineering, Inc. was responsible for design and permitting of the Maple Drive widening project. CTL was retained to develop plans and specifications in coordination with the WVDOT to widen 1,400 feet of the existing Maple Drive from a narrow two lane road to a 22' road with a sidewalk. The project also included a new stormwater system and the coordination and design for the relocation of all existing overhead utilities to underground. CTL also provided documents and staff support throughout the bidding process.



Project: University Place
Client: West Virginia University
Contact: James Brown, General Contractor
Phone: (304) 363-4500
Location: Morgantown, West Virginia

Project Description: The project consisted of the design and construction of a new student housing complex for the growing West Virginia University student population. Project is a Public/Private Partnership between the Developer and West Virginia University and is located on University Avenue in the Sunnyside area. CTL was retained to provide the full asbestos evaluation of 22 structures & demolition plan, the geotechnical Analysis & Foundation design. CTL was also responsible for the stormwater management planning including bio-retention cell sizing and installation, utility coordination with local providers and construction observation including caisson inspections, concrete and compaction testing and structural steel inspection.



Project: University Park
Client: Paradigm Architecture
Contact: Paul Walker
Phone: (304) 284-5015
Location: Morgantown, West Virginia

Project Description: The project consisted of the design and construction of a new student housing complex for the growing West Virginia University student population. Project is a Public/Private Partnership between the Developer and West Virginia University and is located off University Avenue in Evansdale. CTL was retained to provide surveying, site grading & design, street annulments and relocation, geotechnical investigation reports, flood plain studies, and stormwater management permitting and design. CTL was also responsible for foundation recommendations and designs and the completion of an ALTA survey.



Project: WVU Medicine – Outpatient Primary Care Facility

Client: WVU Medicine

Contact: Alan Neptune

Phone: (304) 598-4125

Location: Fairmont, West Virginia

Project Description: The project consisted of the design and construction documents for an outpatient care facility in Fairmont WV. CTL Engineering of West Virginia, Inc. was retained to provide surveying and an ALTA survey, site grading & design, geotechnical investigation reports, and stormwater management permitting and design. CTL was also responsible for the Phase 1 ESA, the NPDS permitting and a design for sanitary sewer.



Project: Chaplin Hill Business Park

Client: Monongalia Co Economic Development Authority

Contact: Holly Childs, Director

Phone: 304-296-6684

Location: Morgantown, West Virginia

Project Description: CTL provided complete design and engineering services to the Monongalia County Development Authority for the Development of a 75-acre Light Industrial Park. CTL provided conceptual and final design layout for 10 – 2 to 6 AC+ building site including utilities, stormwater and sewerage collection systems, Grant Application assistance, construction management, and quality control construction observation. The Park currently has 10 active business structures and 13 property owners. The park has provided for over 500 jobs in light commercial and industrial buildings.



Project: The District – Student Apartment Complex

Client: EA Morgantown, LLC

Location: Morgantown, West Virginia

Project Description: This project is a 30-acre development for student housing that consists of 20 apartment buildings, a clubhouse with a pool and a walking trail.

CTL was responsible for permitting, including the following: Erosion and Sediment Control Permit; Highway Access Permit; Temporary Stream Crossing Permit; Right of Access and License Agreement for Temporary Culverts and Permanent Stream Crossing; 100 Year Flood Study for the Monongalia County Floodplain Development Permit; 401 Water Quality Certification; and the Section 404 Permit.

CTL also performed the Geotechnical Investigation and prepared the design for conceptual and final plans, road layout, and bridge location. CTL was also responsible for the design of a turning lane in accordance with West Virginia Department of Highways requirements, grading plans, retaining wall location, storm water systems and storm water detention.



Project: Gateway Development

Client: MAGCS, LLC

Contact: Cliff Sutherland, Owner

Phone: (304) 284-8244

Location: Westover, West Virginia

Project Description: This project is a 46-acre retail development featuring a Triple S Harley Davidson Shop, two hotels, a gas station/convenience store, various restaurants & retail stores. CTL was responsible for permitting, including the following: Erosion and Sediment Control Permit; Highway Access Permit, upgrading a county road and sanitary permitting. CTL also performed the Geotechnical Investigation and prepared the design for conceptual and final plans, road layout, and sanitary design, grading plans, survey and plat work including an Alta survey, storm water systems and storm water detention.



Project: Retained Engineer

Client: Mount Morris Water and Sewage Authority

Contact: Charles Nutter

Phone: (724) 324-2186

Location: Fairmont, West Virginia

Project Description: Mount Morris Municipal Authority, Pennsylvania. Lead engineer for design of sewer system remediation design. Effort involved coordination of design for requirements of PennDOT as related to system components within PennDOT right of way. As the retained engineer, CTL is responsible for any planning updates, engineering design, permitting, annual reporting, corrective action plans, surveying, and project management and construction inspection.



Project: Aaron's Run AMD Project

Client: Maryland Department of Environment – AML Division

Contact: Mike Gamer

Phone: (301) 689-1440

Location: Garrett County, Maryland

Project Description: CTL Engineering of West Virginia, Inc. was retained to provide the design for multiple AMD treatment systems, 2 SAP cells, slurry doser, settling ponds, and natural wetlands. CTL also provided full site grading plans & drainage controls, access road & highway rated bridge, all state & federal permitting, and construction specifications and drawings.



Project: Farmington Box Culvert Rehabilitation

Client: Monongalia Conservation District

Contact: Gene Sauborn

Phone: (304) 285-3118

Location: Farmington, West Virginia

Project Description: The town of Farmington has experienced occasional flooding from storms of short intense duration. CTL Engineering of West Virginia, Inc., in conjunction with an open-ended contract with the Monongahela Conservation District and the West Virginia Conservation Agency, provided design, specifications, bidding and construction observation and testing for the project consisting of demolishing and replacing the existing deteriorating concrete deck lid, repair spalling and cracking areas of existing sidewalls, and installation of a 8" diameter sanitary stub into the existing main line.



Project: University Town Center

Client: Mon-View, LLC

Contact: Rich Perin

Phone: (724) 485-4029

Location: Granville, West Virginia

Project Description: The University Town Center is a commercial development located on former Consol Mine property. The development consists of a variety of restaurants and stores. Wal-Mart, Sams Club and Target are the anchors for the development. CTL Engineering of West Virginia, Inc. was retained to provide surveying for the 400 plus acre development. CTL provided all the surveying work, plats and ALTA's for the development. CTL also provided surveying and plats for the majority of the developments tenants.



Project: Natural Gas Pipelines

Client: Various Oil and Gas Clients

Location: Various locations in Ohio and West Virginia

Project Description: CTL Engineering Inc. has become a leader in providing development, permitting, regulatory compliance, geotechnical and construction services to the rapidly expanding natural gas extraction industry. CTL has provided environmental services for over 100 miles of pipelines. These services include: wetland delineation, regulatory permitting and environmental assessments. Most of CTL's involvement has been with development of the Marcellus and Utica Shale Formations in West Virginia, Ohio and Pennsylvania. CTL Engineering has become a leader in providing development, permitting, regulatory compliance, environmental, geotechnical and construction services to the rapidly expanding natural gas extraction industry.

