

NOTICE

Please note that this bid from Terradon Corporation for CEIO_DNR2200000004 was received at the Purchasing Division office prior to the established bid opening date and time on September 23, 2021, but was not read at the public opening because of technical difficulties.

A handwritten signature in black ink, appearing to read 'Guy Nisbet', is written over a horizontal line.

Guy Nisbet

Assistant Purchasing Director



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.



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Welcome, Lu Anne Cottrill

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[View All](#) 1 of 1 | The vendor must be an active vendor on the vendor customer table. (...

Solicitation Response(SR) Dept: 0310 ID: ESR09232100000002058 Ver.: 1 Function: New Phase: Draft Modified by batch , 09/23/2021

Header 1

List View

General Information [Contact](#) [Default Values](#) [Discount](#) [Document Information](#) [Clarification Request](#)

Procurement Folder: 919514

Procurement Type: Central Contract - Fixed Amt

Vendor ID: 000000206513

Legal Name: TERRADON CORPORATION

Alias/DBA:

Total Bid: \$0.00

Response Date: 09/23/2021

Response Time: 9:56

Responded By User ID: asodosky

First Name: Ashley

Last Name: Sodosky

Email: ashley.sodosky@terrado

Phone: 304-755-8291

SO Doc Code: CEOI

SO Dept: 0310

SO Doc ID: DNR2200000004

Published Date: 9/16/21

Close Date: 9/23/21

Close Time: 13:30

Status: Closed

Solicitation Description: A/E Svcs-New Facilities at Lost River, Cacapon, Blackwater

Total of Header Attachments: 1

Total of All Attachments: 1



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

State of West Virginia
Solicitation Response

Proc Folder: 919514
Solicitation Description: A/E Svcs-New Facilities at Lost River, Cacapon, Blackwater
Proc Type: Central Contract - Fixed Amt

Solicitation Closes	Solicitation Response	Version
2021-09-23 13:30	SR 0310 ESR09232100000002058	1

VENDOR
000000206513
TERRADON CORPORATION

Solicitation Number: CEOI 0310 DNR2200000004
Total Bid: 0
Response Date: 2021-09-23
Response Time: 09:56:09
Comments:

FOR INFORMATION CONTACT THE BUYER
Joseph E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor Signature X **FEIN#** **DATE**

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Civil engineering				0.00

Comm Code	Manufacturer	Specification	Model #
81101500			

Commodity Line Comments: Qualifications Only - No Pricing Component

Extended Description:

Architectural/engineering services and contract administration for new facilities at Lost River, Cacapon and Blackwater Falls State Parks.

Bid Clerk, Department of Administration
Purchasing Division
Attn: Joseph E. Hager, III
2019 Washington Street, East
Charleston, WV 25305

September 15, 2021

Subject: A/E Services – New Facilities at Lost River, Cacapon, & Blackwater State Parks

Dear members of the selection committee:

TERRADON is pleased to submit the enclosed package to provide engineering, and other related professional services to design, specify and provide construction contract administration services for the construction of approximately 35 site campground facility at Lost River State Park, a parking area as well as rest rooms facilities to support a Mt. Bike Center at Cacapon State Park, and an overflow parking lot at Blackwater Falls State Park to service the overlook and trading post, in Hardy, Morgan and Tucker Counties respectively. TERRADON is also prepared to provide all necessary environmental permitting and ancillary consulting services needed for these projects.

The included package details the TERRADON team's qualifications, technical expertise, management and staffing capabilities, related prior experience, and required documentation for consideration.

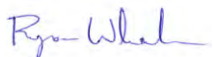
The TERRADON Team will be the Division's partner through every phase of the conceptual design and planning of the proposed projects. As your consulting team, our goal is to provide the full realm of engineering services that the Division needs to successfully complete these projects.

TERRADON is a full-service engineering firm headquartered in Poca, WV with offices in Lewisburg, WV, Fayetteville, WV, Clarksburg, WV and Washington, PA. TERRADON maintains qualified civil engineers and designers specialized in trail design, as well as personnel specialized in ancillary services including, surveying and mapping, natural and cultural resource services, environmental and geotechnical services, and construction management and inspection services.

The TERRADON Team plans to lead these projects under the management of William S. Thornton, PE, PS. Thornton has more than 35 years of engineering and consulting expert experience in providing site design, trail design, streetscape and sidewalk improvement projects and has worked on a number of WV State Park projects. Most recently, Thornton and the TERRADON design team completed consulting services for a new projects located adjacent to the New River Gorge National Park and Preserve and Babcock State Park.


Upon your review of the enclosed, please do not hesitate to contact me at 304-755-8291 with any questions or concerns. I look forward to hearing from you soon.

Sincerely,




Ryan Wheeler, Director of Business Development
TERRADON Corporation

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.

 President
(Name, Title)
Bill Hunt President
(Printed Name and Title)
409 Jacobson Dr., Poca, WV 25159
(Address)
304-755-8291 304-755-2636
(Phone Number) / (Fax Number)
bill.hunt@terradox.com
(email 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.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

TERRADOX Corporation
(Company)
 Bill Hunt, President
(Authorized Signature) (Representative Name, Title)
Bill Hunt President
(Printed Name and Title of Authorized Representative)
9/20/21
(Date)
304-755-8291
(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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)

- ☐ Addendum No. 1
- ☐ Addendum No. 2
- ☐ Addendum No. 3
- ☐ Addendum No. 4
- ☐ Addendum No. 5

- ☐ Addendum No. 6
- ☐ Addendum No. 7
- ☐ Addendum No. 8
- ☐ Addendum No. 9
- ☐ 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.

TERRADON Corporation
Company

[Signature]
Authorized Signature

9/20/21
Date

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

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 exceeds 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: TERRADON Corporation

Authorized Signature: [Signature] Date: 9/20/21

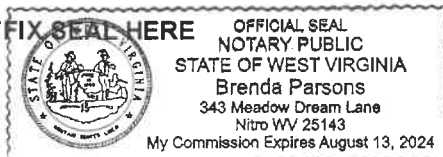
State of West Virginia

County of Putnam, to-wit:

Taken, subscribed, and sworn to before me this 20th day of September, 2021

My Commission expires August 13, 2024

AFFIX SEAL HERE



NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 01/19/2018)

West Virginia Ethics Commission



Disclosure of Interested Parties to Contracts

Pursuant to *W. Va. Code* § 6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$1 million or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply:

"Business entity" means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation, but does not include publicly traded companies listed on a national or international stock exchange.

"Interested party" or *"Interested parties"* means:

- (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors;
- (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
- (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

"State agency" means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education: Provided, that for purposes of *W. Va. Code* § 6D-1-2, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: ethics@wv.gov; website: www.ethics.wv.gov.

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: Tennadox Corp. Address: 409 Jacobson Drive

Poca, WV 25159

Name of Authorized Agent: Bill Hunt Address: 409 Jacobson Dr. Poca, WV 25159

Contract Number: CE01 0310 DNR 2200000004 Contract Description: A/E SVCS - New Facilities at Lost River, Capacon, Blackwater

Governmental agency awarding contract: WVDNR

☒ Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

☐ Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

☐ Check here if none, otherwise list entity/individual names below.

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

☐ Check here if none, otherwise list entity/individual names below.

Signature: [Signature]

Date Signed: 9/20/21

Notary Verification

State of West Virginia, County of Putnam:

I, Bill Hunt, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 20th day of September, 2021.

Brenda Parsons

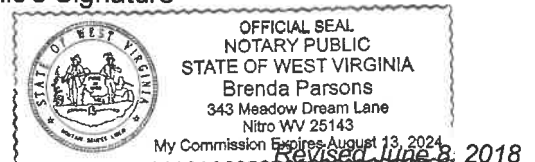
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____





SUBMITTED BY:

TERRADON Corporation
409 Jacobson Drive
Poca, WV 25159
304-755-8291

**PROJECT MANAGER &
POINT OF CONTACT**

Will Thornton, PE, PS
VP Civil Engineering
Will.thornton@terraddon.com
304-541-7655

STATEMENT OF QUALIFICATIONS

A/E Services - New Facilities at:
Lost River State Park Campground
Cacapon State Park Mt. Bike Facility
Blackwater Falls State Park Parking Lot

CEOI 0310 DNR2200000004

Attn: Joseph E. Hager, III
Division of Natural Resources
Bid Clerk, Department of Admin
Purchasing Division
2019 Washington Street, East
Charleston, WV 25305

Submission: wvOASIS Online Submittal

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Appendix A: Key Staff Resumes

1

Qualifications & Experience

TERRADON Services & Qualifications





FOUNDED: 1989

EMPLOYEES: 95

LOCATIONS:

Poca, WV
Lewisburg, WV
Fayetteville, WV
Clarksburg, WV
Washington, PA

SERVICES:

Survey & Mapping
Civil Engineering
Geotechnical Engineering
Transportation Engineering
Structural Engineering
Construction Services
Environmental Consulting
Land Planning & Design

TERRADON Corporation offers a multi-faceted approach to design engineering and consulting services. For more than 30 years TERRADON staff has provided a wealth of engineering solutions on successful projects. The company built its reputation on expert personnel and quality, time-sensitive service. Those same founding principles hold true today.

The firm has been recognized through numerous awards from professional organizations and agencies including the American Society of Civil Engineers, State Highway Departments, the Department of Environmental Protection and the American Institute of Architects.

TERRADON's diverse team of professionals work together on projects to offer a wide range of services in house to keep projects centrally focused. By providing this range of services, TERRADON is able to work completely as a team to offer clients the most rewarding design.

TERRADON's corporate culture promotes innovation and progressive thinking. Project leaders strive to sustain customers through a wide-range of engineering offerings. TERRADON employees understand the purpose behind their services and work to cultivate lasting relationships with clients through honest, hard work.



TERRADON is the largest, woman-owned engineering firm in West Virginia. TERRADON is a certified Women's Business Enterprise as defined by the Women's Business Enterprise National Council and the National Women Business Owners Corporation.



Taking an undeveloped piece of land and transforming it to your vision requires creativity, an attention to detail, and the ability to stay focused through a complex process. Working alongside TERRADON, a team that seeks to understand and align solutions with client vision, project owners gain a partner that is experienced and capable of dealing with the obstacles that can arise. TERRADON produces plans, permits, and construction details to realize owners' vision.

At TERRADON, land development is one of our foundational services, and is often at the center of projects that include other engineering services. Experienced team members, utilizing modern technology and evolving procedures, help clients find innovative solutions to strengthen their project.

Through clear, constant communication with the client and a level of transparency unmatched in the industry, our project managers work to identify goals and develop answers. From cost models to simulation tools, we provide comprehensive analysis of situations, and deliver realistic schedules and estimates to meet client goals.

Supported by a large, highly-qualified team of engineers, landscape architects, and CAD designers, our land development team has extensive experience with both private and public entities. Such a depth of experience allows us to tackle complex projects that are critical to a client's time and budget needs. It's what has helped us develop extended relationships with clients, and has earned us regular referrals.



*TERRADON maintains
LEED accredited
professionals on staff.*

Services

- Master Planning
- Site Feasibility Studies
- Schematic Design
- Layout Plans
- Grading Plans
- Stormwater Management Plans
- Erosion Control Plans
- Planting Plans
- Presentation Drawings/ Renderings
- Graphic Design
- Construction Observation
- Commercial Site Development
- Industrial Site Development
- Residential & Urban Site Development
- Rural Site Development
- School and Institutional Site Development
- Athletic Facility Development
- Low Impact Sustainable Development
- Parks and Recreational Site Development



The transportation engineering team at TERRADON provides design services for the infrastructure projects that we rely on every day. From large-scale, multi-lane highways with complex interchanges, to narrow city streets, to winding single-lane county roads our roadway and bridge experts offer experience to benefit client needs.

Our teams use a data-driven approach for every transportation engineering project, developing bridges, roadways and interchanges that link the traveling public safely from one place to the next. Taking into consideration the transportation demands and understanding the environmental impacts and land-use needs of these projects, our team designs smart, efficient transportation projects for the future.

Using the latest technology, we study traffic patterns and needs, and advise on options for improving flow and access. By monitoring the terrain around the projects, and considering the needs of the surrounding communities, our team will make recommendations for the placement and structure of the roadway, and on surrounding features including landscaping, noise abatement and retaining walls.

This all-around approach has earned TERRADON's team of transportation engineers numerous Engineering Excellence Awards and recognition from numerous industry organizations. Our transportation engineering services make TERRADON a highly sought-after partner in transportation and infrastructure projects.

Services

- Highway Design
- Corridor Design
- Geotechnical Design
- Right-of-Way Plans
- Road Widening
- Noise Walls
- Retaining Walls
- Roadway Design
- Structural Engineering/Bridge Design
- Bridge Rehabilitation Design
- Bridge Replacement Study and Design
- Maintenance of Traffic
- Infrastructure Rehabilitation
- Traffic Analysis
- Grading Studies
- Transportation Surveying & Mapping
- AML Design
- Design-Build
- Signing Design
- Pavement Marking Design
- Preliminary Investigation and Engineering Studies
- Corridor Studies
- Utility Relocations
- Interchange Improvements
- Maintenance of Traffic
- Permitting
- Value Engineering
- Design Build Engineering



At TERRADON, we tailor our approach to the specific project, and collect the necessary data for decision making. It's not just about supplying the data though – we provide an understanding and a plan for our client to move forward. It's not just collection and analyzation, it's about educating our clients on the risks and benefits of our data and recommendations.

With the difficult soil and groundwater conditions found across the Ohio Valley and the Appalachian regions, having an experienced staff that knows the territory is incredibly important. The team at TERRADON aren't just experts in geotechnical engineering, they are geographical experts – many of them are Appalachian Region born-and-raised, and understand the land where our clients build.

This has allowed TERRADON to tackle a vast variety of projects and industries, providing geotechnical investigation and advisement for everything from mining, to cell and high mast towers, to flexible or rigid pavement design. Even tasks such as landfill permitting and environmental remediation are well within our realm of experience.

Services

- Subsurface Exploration
- Test Borings
- Test Pit Excavations
- Monitoring Well & Piezometer Installation
- Slope Inclometers
- Soil and Rock Logging, Sampling & Testing
- Geotechnical Investigations & Site Characterizations
- Site Feasibility Assessments
- Soil and Rock Stability Analysis
- Shallow & Deep Foundation Design and Analysis
- Pile Drivability Analysis
- Groundwater Seepage Analysis
- Dewatering Analysis
- Landslide Analysis & Remedial Design
- Structural Corrections
- Temporary Shoring Design
- Earthen Dams Evaluations & Design
- Municipal & Industrial Landfill Design and Permitting
- Laboratory Testing
- Flexible & Rigid Pavement Design
- Earth Retention Systems
- MSE Walls, Gravity Walls, Anchors (Rock or Soil Nailing), Sheet Pile Walls, and Solider Pile & Lagging Walls
- Geosynthetic Engineering & Design
- Ground Improvement Design



Our team has a commitment to the Ohio Valley and Appalachian regions that goes far beyond our jobs. It is where we work, where we live, and where we play. It is where our family and friends are, it's home. That's why our team at TERRADON sees our environmental services as critical to both preservation and responsible development. Every project has the potential to impact ecological resources and our surrounding environment. Our accomplished team at TERRADON provides unparalleled environmental services and understands the risks, procedures, and regulatory standards involved in managing environmental resources. A team that knows the urgency of conducting the proper studies to protect natural resources, wetlands, and ecology around your project while keeping it on schedule, and within budget.

The experience of our team provides us the ability to address environmental issues. Our environmental team draws on credentials in chemical engineering, chemistry, civil engineering, environmental sciences, landscape architecture, geology, and geotechnical engineering to help manage complex issues. From permitting to site assessment and reporting, our team is well-versed in federal and state requirements. Our team provides education and assistance, not just for the permitting process, but for the overall concept to construction of a project. Client communication and transparency ensure that project stakeholders are constantly in-the-know, while our years of building relationships with federal and local agencies help ensure smooth, timely and sound timelines. In the end, this makes TERRADON a regional leader in environmentally responsible projects.

SERVICES

- Environmental Site Assessments (ESA)
- Phase I ESA
- Phase II ESA
- NEPA EA
- Environmental Audits
- NEPA Compliance
- Hazardous Waste
- Wastewater
- Stormwater
- Groundwater
- Air Permitting
- Wetland Delineation
- Aquatic Resource Mitigation Design
- Tier II Reporting
- Asbestos and Lead Inspection
- Underground Storage Tanks
- Impoundment Stabilization and Closure
- 401 and 404 Permitting
- Turbidity Monitoring
- Risk Management Plans



TERRADON offers materials testing and construction monitoring services to document compliance with project design specifications and regulatory requirements. The firm provides construction monitoring for utility, highway, and commercial construction projects. TERRADON also provides laboratory and field testing of construction materials. Engineers and technicians at TERRADON are West Virginia Department of Highways certified in Portland Cement Concrete, Hot-mixed Asphalt, Compaction and Aggregates.

Additionally, TERRADON provides Construction Management services including construction oversight, documentation, and safety procedure implementation. TERRADON has more than 35 qualified and certified construction inspectors and more than 5 qualified construction management representatives. TERRADON's team also includes environmental field inspectors, geotechnical inspectors, and geological field inspectors.

TERRADON Corporation Construction Testing and Inspection Department maintains a full service laboratory testing facility on site at the Poca, WV office. The laboratory is and staffed by qualified and certified construction inspection technicians.

Services

- Slump of Portland Cement Concrete (AASHTO-T119)
- Air Content of Freshly Mixed Concrete (AASHTO-T196 and T152)
- Unit Weight and Yield (AASHTO-T121)
- Making and Curing of Concrete Test Specimens (AASHTO-T23)
- Compressive Strength of Concrete Specimens (AASHTO-T22)
- Fine and Course Aggregate Gradations (AASHTO-T11 and T27)
- Specific Gravity of Aggregates (AASHTO-T84 and T85)
- Atterberg Limits (AASHTO-T89 and T90)
- Moisture Content of Soil (ASTM-D2216)
- Nuclear Compaction Testing of Soil, Stone, and Hot Mixed Asphalt
- Preparation of Certification Forms and Construction Reports
- Welder Certification
- Agency Compliance
- Floor Flatness Testing
- Fireproofing
- Masonry Testing
- Structural Steel Inspection Certified
- Welding Inspection
- Dye Penetrant Testing
- Bolt Testing
- Project Safety Monitoring
- FAA Eastern Regional Laboratories
- Steel Institute AST Inspections



TERRADON has been a leader in West Virginia and the surrounding region for the land surveying industry since 1989. The team has developed an extensive resume of successful surveying and mapping projects performed for a diverse group of repeat private and public sector clients. TERRADON's experienced staff of licensed professional surveyors and mappers bring expertise and proficiency to every project task.

The company is committed to staying ahead of the industry's pace by investing in state-of-the-art equipment and technology. That commitment enables TERRADON to overcome unique and challenging project conditions or obstacles, and efficiently provide the most accurate and complete information available to clients.

TERRADON has a long history of providing design and construction survey services for numerous transportation projects. Efficient and accurate results are ensured by prioritizing the use of modern technology, including state of the art GPS and robotic total stations, with the latest design software.

TERRADON maintains full-time Professional Surveyors on staff. The firm services projects through the use of in-house field survey crews who are backed by corporate staff members, including an experienced team of CAD designers. TERRADON's transportation survey group is experienced in preparing highway right-of-way plans, including courthouse research and right of way questionnaires, and writing legal descriptions for right of way take parcels, temporary construction easements and permanent drainage easements.

Services

- Mapping
- Construction Layout
- ALTA survey
- Topographic Survey
- GPS Network Control Surveys
- Aerial Mapping
- LiDAR Mapping
- Ground Penetrating Radar (GPR)
- 3D Mapping

2

Similar Experience

Similar Project Experience



Greenbrier County Sports Complex

Greenbrier County, West Virginia



TERRADON Corporation was recently selected as the lead engineer and site designer for the new Greenbrier County Sports Complex in Greenbrier County, WV. TERRADON will perform over the duration of the project, initial site design, site planning, survey and mapping, utility design, construction inspection and other ancillary engineering services.

The site is roughly 40 acres of property which were donated to the county for development of a multi-use sporting complex to include baseball and softball fields, soccer fields, tennis courts, playgrounds, an amphitheater and walking and joggings trails that connect to the bordering Greenbrier River.

Project Owner

Greenbrier County

Shawnee Park Multi-Sport Complex

Kanawha County, West Virginia



TERRADON Corporation provided design services for the proposed Shawnee Park Multi-Sport Complex in Kanawha County, WV.

The park is used for a travel tournament destination for soccer, lacrosse, baseball and softball and include six artificial turf soccer/lacrosse fields and four artificial turf collegiate size baseball fields across the 100 acre location in Dunbar, WV. The park includes a parking lot to accommodate more than 600 spaces, restrooms and concessions located in a center location, and detailed landscaping.

TERRADON has provided preliminary design and grading plans for the project and final design, construction review, construction inspection services, survey and mapping, geotechnical engineering, quality assurance services, and construction documentation and reporting services.

Project Owner

Kanawha County

Schoenbaum Tennis Courts Drainage Repairs

Kanawha County, West Virginia

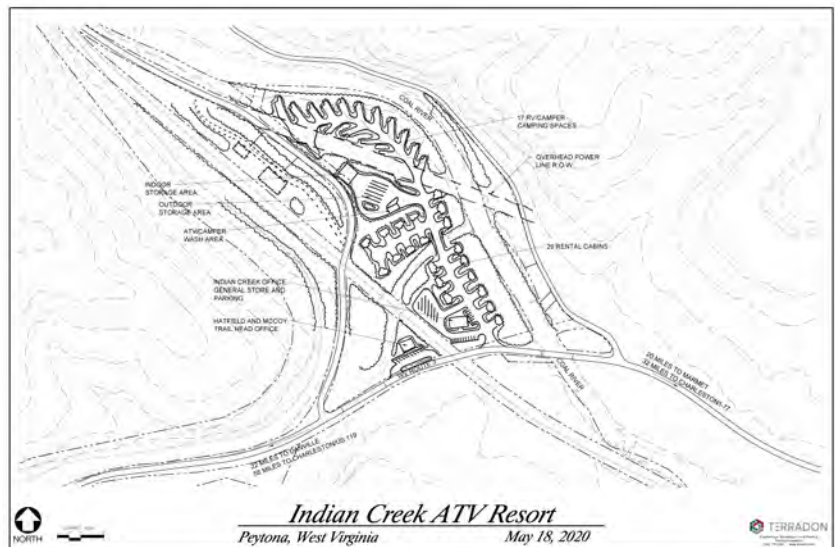


TERRADON designed a new storm drainage underdrain system for the existing tennis courts. The courts were experiencing weeping from beneath the courts of trapped storm water runoff/ground water. As the existing courts were nearing the end the existing asphalt surface course's useful life, the Parks and Recreation Department decided that this was the appropriate time to install the needed underdrain system and re-surface the course, as the new underdrain system would require the demolition of the existing asphalt surface course. TERRADON also developed the Contract Documents and Construction Specifications in coordination with the City of Charleston for the public bidding of this project.

Project Owner

City of Charleston, WV

Boone County, West Virginia



TERRADON Corporation provided land planning and development services for the proposed Indian Creek ATV Resort in Boone County, WV. The proposed project includes the construction of 20 cabins, 15 RV sites, and will be the location of the new Coal River Trail System. Additionally, the site is designed to include a playground, bath house and ATV storage. TERRADON provided preliminary design planning for the site.

The project was completed preliminarily for the Boone County Community Development Corporation as part of a \$3.38 million plan to bring sewer and water to a new trail head to anchor the Hatfield-McCoy Trails' planned Coal River Trail System. The ATV resort site is planned to be situated at the trail head site.

Project Owner

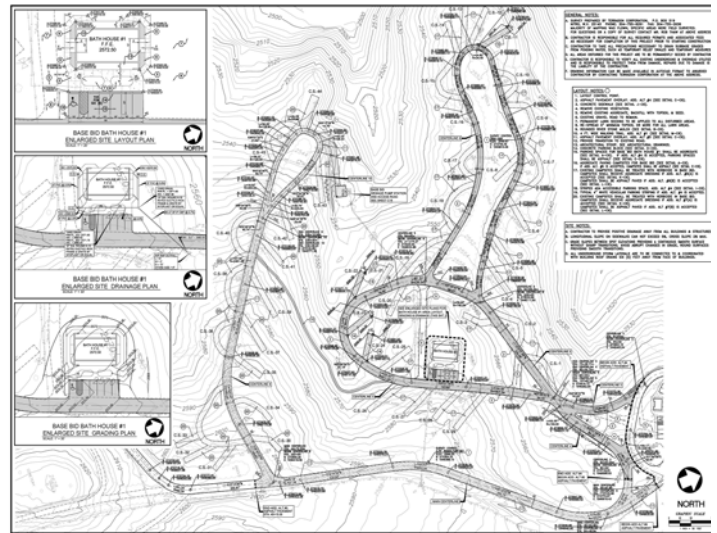
Boone County Community
Development Corporation

Contact

Kris Mitchell, Director
304-369-9127

Little Beaver State Park RV Campground

Raleigh County, West Virginia



TERRADON Corporation provided engineering, surveying and land planning and development services for the Little Beaver State Park Campground Renovation Project in Raleigh County, WV.

TERRADON Corporation completed initial site surveys and observances to find that the WVDNR had previously begun in-house sanitary sewer construction on the site. TERRADON's first plan of action was to determine if the previously constructed systems were viable for the new design and to integrate them into new design plans. TERRADON completed the design of all site utilities, bath houses, a campground check-in office and convenient store, and site planning for RV parking spots on the site.

TERRADON provided mapping of the state park using aerial photography, design surveying, as-built surveys for water and sewer systems, environmental testing, utility system designs, site design, grading plans and site improvements. Additionally, TERRADON offered construction inspection services during the construction phase of the project.

The campsite features 16 camping sites with water hookups and 30 sites with water and electric hookups, a large bathhouse with laundry facilities, a central dump station, wi-fi access at the camp store, and picnic areas.

Project Owner

WV Department of
Natural Resources

The Summit Bechtel Family National Scout Reserve

Fayette County, West Virginia



The Summit is a 10,600+ acre outdoor adventure center owned by the Boy Scouts of America. TERRADON performed site selection and site evaluation services. Additionally, the firm provided geotechnical investigations, design, survey, planning, and infrastructure design and inspection. Working under tight specifications and time restrictions, TERRADON spearheaded the delivery of the world class facility.

TERRADON worked with project owners to find the most feasible and economically beneficial site for the boy scout adventure site. The site selection in Fayette County, WV was chosen to compete with site selections across the United States. The competition was one of 28 site across 11 states.

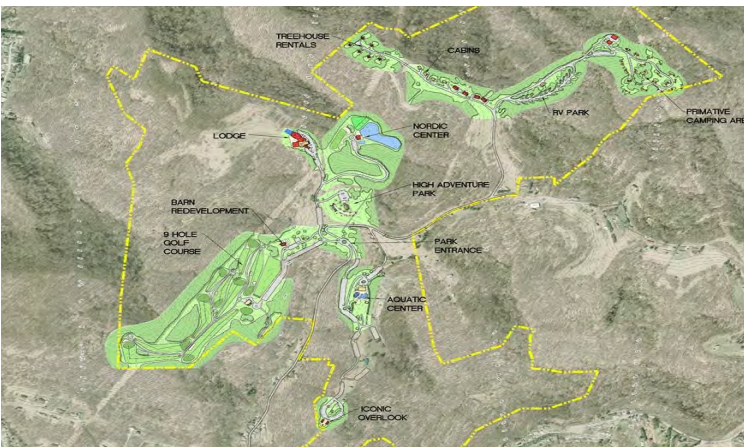
TERRADON provided site prioritization and analysis to help project owners see the beneficial exponents to developing the outdoor adventure park in the mountains of West Virginia. TERRADON worked closely with state agencies during the site selection process to determine the best site development plans to economically benefit both the Boy Scouts of America as well as the state of West Virginia. The final design site was selected from scouring multi-acreage sites in different counties with specific elements considered including site feasibility, site readiness, budgeting exponents, and economic development. Prior to final selection, TERRADON's site was in the short list of three sites with two others in Virginia and Arkansas. The client was impressed with the quality and depth of our work that they hired TERRADON to do the bulk of the design work on site.

Project Owner

The Boy Scouts of America

Grand Vue Park Development

Moundsville, West Virginia



TERRADON Corporation was selected as the lead engineer and site designer for Grand Vue Park in Moundsville, WV. Over the duration of the project, TERRADON was responsible for, initial site design, site planning, survey and mapping, utility design, construction inspection and other ancillary engineering services.

The project included the addition of the Grand Vue Aerial Adventure Park. The park provides a variety of aerial courses including a Canopy Tour of 8 dual zip lines ranging in distance from 310 to 2,100 feet throughout the Moundsville treetops.

The park encompasses more than 650 acres and offers lodging, zip lining, an aerial adventure park, paintball, geocaching, an outdoor amphitheater, a banquet hall, picnic shelters, an aquatic center, and walking and biking trails.

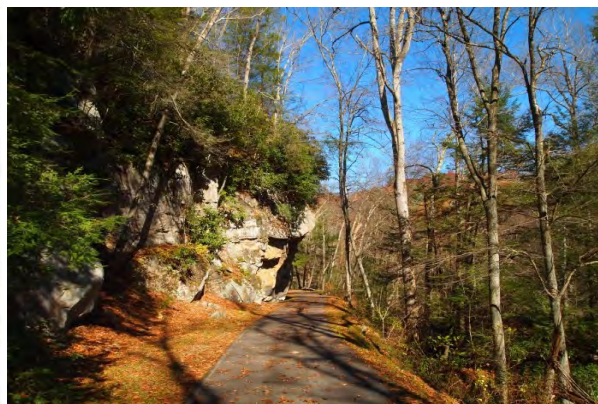
Project Owner



TERRADON Corporation provided Master Planning and site design services for the expanding Valley Park in Hurricane, Putnam County, WV. This work is part of a nearly \$2 million expansion, adds an additional 6 acres to the park.

The project included planning for athletic fields, multiple parking lots, access roads and greenspace, but also incorporated a walking trail that ties into existing park trails. The plan was produced in coordination with the WVDOT to determine roadway/walkway ingress/egress and designed in accordance with local, state and federal regulations.

Project Owner



Wolf Creek Trail Design, Fayette County, WV

TERRADON Corporation was involved in the design over more than 16 miles of mixed use trails in Wolf Creek Park, located in Fayette County, WV. The trail system is primarily single track mountain bike trail, with difficulty levels from beginning to expert. TERRADON provided trail design services, including surveying, and mapping as well as period inspection services.

Babcock State Park—Sewell Trail, Fayetteville, WV

TERRADON provided survey and mapping for 4.5 miles of abandoned roadbed for an existing trail design in Babcock State Park. The project included conceptual design of the entire length. Additionally, the trail has several minor landslides and one major trail closure due to a landslide. TERRADON provided slip repair design services. TERRADON also provided the design of a pedestrian bridge along the trail.

New River Recreation Trail, Fayetteville, WV

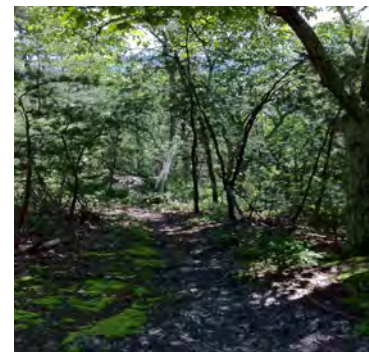
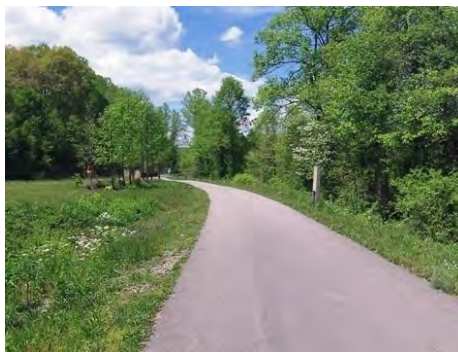
TERRADON provided design for a new trail through rural and urban areas in Fayetteville, WV. As part of a 'Share the Road' initiative, TERRADON designed 2 miles of trail along city streets. TERRADON designed approximately 3 miles of new 10' wide trail through woods and school property. The project also included the design of two structures; one 40' structure over Town Creek, and one 25' structure over a tributary of Town Creek. TERRADON staff surveyed and mapped all of the new trail and stream crossings and provided an archeological study of the trail area.

Historic Nuttallburg Site, Fayette County, WV

The Nuttallburg Mining Complex and Town Site is the most intact example of an early 20th century coal mining complex in the New River Gorge and West Virginia, and one of the most complete coal related industrial sites in the United States. The National Park Service (NPS) proposes to develop a new visitor use area that will encompass land within and adjoining the Nuttallburg Mining Complex and Town Historic District. This project is the third phase of work by the National Parks Service to clean up and stabilize the historic Nuttallburg coal tipple, loadout and surrounding historic community. Visitor access, parking areas, trails and interpretive signage will be included in Part B of this phase. Services include construction drawing and specification reviews, developing project cost estimates, coordinating and negotiating with Contractor, ensuring compliance with the construction drawings and specifications keeping daily reports, coordination with the design engineer, contractor and National Park Service and verifying quantities and pay estimates. Total construction cost of this phase is over \$5 Million.

Sleeping Bear Dunes National Park, Empire, MI

TERRADON served as the Construction Management Representative (CMR) for two American with Disability Act (ADA) upgrade projects at Sleeping Bear Dunes National Park in Empire, Michigan. Working through the National Parks Service, TERRADON placed a full-time onsite CMR at the park in 2018. The project included daily coordination between the contractor and owner,



where the CMR performed quality control/quality assurance tasks and documented and reported deficiencies. The project included the modification of park piers, sidewalks, and parking lots to meet ADA standards. TERRADON's CMR provided day to day contract observation on behalf of the owner, the National Parks Service and the Denver Service Center. The CMR recommended acceptance or rejection of work to the owner and coordinated responses to requests for information (RFI). Additionally, TERRADON reviewed and coordinated all submittal responses, prepared draft request for proposals, recommended pay request approvals/denials, and conducted weekly construction meetings and minutes. The CMR assisted with the coordination of project close-out (punch lists, substantial completion, occupancy, etc), ensured safe construction practices, and prepared additional paperwork and documentation as needed including daily reports and independent owner estimates.

White Oak Trail Lighting, White Oak, WV

TERRADON provided survey and mapping of the existing White Oak Rail Trail from Fayco Avenue to Jones Avenue. Additionally, the firm identified and designed the placement of period lighting with additional electrical outlets, conduits and junction boxes along the 1.1 mile trail.

South Manitou Island National Park, MI

TERRADON served as the Construction Management Representative (CMR) for American Disability Act (ADA) upgrade projects at South Manitou Island, near Traverse City, Michigan. Working through the National Parks Service, TERRADON placed a full-time onsite CMR at the park in 2018. The project included daily coordination between the contractor and owner, where the CMR performed quality control/quality assurance tasks and documented and reported deficiencies. The project included the bank stabilization around the islands lighthouse, sidewalk and walkway ADA improvements, pier modifications, and site renovations. TERRADON's CMR provided day to day contract observation on behalf of the owner, the National Parks Service. The CMR recommended acceptance or rejection of work to the owner and coordinated responses to requests for information (RFI). Additionally, TERRADON reviewed and coordinated all submittal responses, prepared draft request for proposals, recommended pay request approvals/denials, and conducted weekly construction meetings and minutes. The CMR assisted with the coordination of project close-out (punch lists, substantial completion, occupancy, etc), ensured safe construction practices, and prepared additional paperwork and documentation as needed including daily reports and independent owner estimates.

Midland Trail River Access, Montgomery, WV

This project consisted of the renovation of the deteriorated parking area at the Midland Trail River Access in the City of Montgomery, WV. Financed largely by a grant from the West Virginia Division of Highways, this project replaced approximately 1000 square yards of gravel parking area with asphalt pavement. Services provided included survey, design development, preparation of contract bid documents, participation in the bidding and award processes, construction phase services including oversight and administration, processing of WVDOH compliance/reporting documentation, and project closeout. The project included sub grade preparation, placement of aggregate base course, asphalt base course, asphalt wearing course, and drainage improvements.

3

Proposed Scope of Work

Scope of Work & Project Approach | 7

Key Staff Organizational Chart



WVDNR
Project Owner /
Management

Will Thornton, PE, PS
Project Manager & Point of Contact

Civil Engineering & Site Development

Will Thornton, PE, PS

Dakota Smith, PE

Ben Prior, PE

Andrew Wagner, EIT

Phil Reed, PE

Kristen McClung, PE, MBA

Greg Fox, ASLA, LEED AP

Shawn Gray, ASLA

Pete Williams, ASLA

Matt McDougal

Surveying & Mapping

Robert Thaw, PS

+10 Field Survey Technicians

Dave Brown PS

Brian Bakanas, PS

Robert Fuller, PS

Geotechnical Engineering

Joe Carte, PE

John James, PE

Chris Hancock

Brittany Beckwith

Structural Engineering

Joe Saunders, PE

Will Thornton, PE, PS

Robert Simmons, PE

Andrew Brenner, EIT

Rana Mutashar, PE, MBA

Matt Brenner, EIT

Jamal Shanaa, PE

Adam Underwood

Steve Chapman

Kevin Huffman

Noah Smith

Scott Browning

Dan Thompson

Environmental Consulting & Engineering

Matt Glaspey, CCM

Jason Asbury, CESSWI

Bill Hunt, PG, LRS

Mike Pickens

Morgan Sword

Barry Dickerson

Construction Inspection & Management

Jason Asbury, CESSWI

Tyler Bailey

+20 Construction & Materials
Inspectors

+ 3 Testing Laboratories

TERRADON Corporation recognizes that the key to any successful project is a staff that is committed to open, reliable, and continuous communication between the TERRADON team and the client (WVDNR). TERRADON has created a corporate culture over the past 30 years that emphasizes being a good steward of the budget and goals of the client and focusing on constant communication throughout the duration of this project.

In order to obtain consistent communication between the TERRADON team and the WVDNR, TERRADON will assign one staff member as the primary point of contact and project manager for the duration of the project. Will Thornton, Project Manager, will be the primary point of contact and project reference between the TERRADON team and the WVDNR.

TERRADON is pleased to submit a technical approach for this project including a staffing plan as briefed in the included staff organization chart.

TERRADON plans to ensure that the projects will be constructed within the project budgets. TERRADON has a vast history of project completions that have stayed within or under budget thanks to cost saving engineering. TERRADON has provided award winning engineering services that are on-schedule and within budget for more than 30 years. TERRADON is committed to providing cost-effective design solutions to its clients and has built a reputation on providing engineering excellence that stay within project budgets.

TERRADON's commitment is to provide fast-tracked solutions to each project. Safe, quality design solutions are crafted for the client that can be constructed within the teams determined schedule. TERRADON will ensure the project is on-schedule by conducting weekly progress report meetings with the owner.

TERRADON is pleased to provide the services outlined in the RFP for the WVDNR. TERRADON can, and will, provide all services in-house without the use of subconsultant services.

Goals & Objectives

2.1. Goal/Objective 1:

TERRADON personnel will research all available plans and perform a thorough site investigation in conjunction with the site survey to ensure all important existing features are located and taken into consideration during the design phase. Our personnel will also meet with all interested parties to understand the project goals and intent and to further understand the existing site. Any designs will be developed in a manner to ensure a minimal disruption to Park facilities and visitors.

2.2. Goal/Objective 2: Through close communication and coordination with Park and Agency representatives, TERRADON will ensure that our designs meet all current codes and specifications and meet the needs and intent of the Owner while staying within budget.

2.3. Goal/Objective 3: TERRADON's Construction Management personnel have experience on constructing projects within National Parks and are experienced in these type of projects

A

Key Staff Resumes

Appendix A: Key Staff Resumes

Thornton is an experienced project manager and design engineer for civil engineering design projects. Thornton has more than 15 years of experience with consulting engineering in West Virginia, and three years with a construction firm performing major concrete paving projects in West Virginia, Pennsylvania and Ohio. Thornton also provided consultant review for the WVDOT, Division of Highways.

The major design projects with which he has been involved included roadway design, drainage design, site design, mine land reclamation, permitting, property surveys, airport design, Right-of-Way Services, maintenance of traffic and construction administration and oversight. He provides analysis and design on the construction and rehabilitation of a variety of infrastructure utilities (water, wastewater and storm water), including streets, drainage, sidewalks, buildings, and traffic and other safety improvements.

Project Experience

Schoenbaum Tennis Courts Asphalt and Drainage Rehabilitation, City of Charleston Parks and Recreation, Charleston, WV

Management of design and renovation of an 8 court tennis complex located in the Kanawha City area of Charleston, WV. Subsurface drainage problems were solved by the installation of an open graded drainage layer under the courts. The entire court area was repaved with a construction cost of \$500,000.

Verizon Clemtown Slide Remediation, Taylor County, WV

Management of the remediation of a slide blocking access and threatening nearby property of a Verizon cell tower site in Taylor County, WV.

WVA Manufacturing Raw Material Retaining Wall

Management during the design of a new retaining wall at the Raw Material Railroad loadout at the WVA Manufacturing Alloy, WV site. The proposed wall will be approximately 450 linear feet and range from 3 to 10 feet tall.

Grayson Lake Boundary Survey, US Army Corps of Engineers, Grayson Lake, KY

Management of the inspection of 151 miles of fee boundary line along the Grayson Lake project.

Ravenswood Downtown Revitalization 2010, Ravenswood Development Authority, Ravenswood, WV

Management of the bidding, construction administration, inspection and material testing for the sidewalk rebuilding, lighting and ADA improvement project. Took over project after design was completed by another consultant. When the project bids came in over original estimate, we helped secure additional funding from WVDOH.

Golden Corral Pipe Collapse Repair, Cross Lanes, WV

Management of the professional services related to surveying, design, and analysis for the existing pipe collapse issue at the Golden Corral restaurant on Goff Mountain Road in Cross Lanes, WV.

Hammer Strait Bridge, Pendleton County, WV

Management of bridge replacement over Trout Run in Pendleton County, WV.

Education

B.S. Civil Engineering,
West Virginia Institute of Technology

Certifications

WDOH Portland Cement Concrete Technician

WVDOT Asphalt Pavement Technician

Registration

Professional Engineer: WV, OH, VA

Professional Surveyor: WV

Total Years Experience

30

District 2 Slides, Statewide, WV

Project Manager for the development of construction plans for 10 separate slide projects caused by April 2015 flooding events.

Waterloo Bridge, Mason County, WV

Management of bridge replacement and related design tasks for replacement of a bridge over Thirteen Mile Creek in Mason County, WV.

I-77 North Camden Interchange to Staunton Avenue Interchange, Wood County, WV

Design included replacement and widening of interstate bridge over the Little Kanawha River and the replacement and widening of the bridge over Staunton Avenue. The roadway work includes widening of I-77 to eight lanes from Camden Avenue to Staunton Avenue.

Corridor H Section 7—Forman to Moorefield, Grant County, WV

Design and management included five miles of new mainline four-lane highway, several side road connectors, truck brake check area, truck escape ramp, and a wetland overlook area including more than 8 Million cubic yards of earthwork.

I-79 Bridgeport to Meadowbrook, Harrison County, WV

Included the widening of I-79 from two lanes North Bound and South Bound to four lanes North Bound and South Bound from Bridgeport to Meadowbrook Road including two sets of bridges.

Corridor H Davis to Bismark, Section 01, Tucker County, WV

Included design and management for upgrade of approximately two miles of WV 93 between Davis and Bismarck to a four-lane highway.

ODOT-Ashtabula Grade Separation, OH

Design and management of a grade separation over two sets of railroad tracks with related approaches and utility relocation.

U.S. 52 Kermit Bypass, Mingo County, WV

Included design and management of four miles of a new alignment four-lane expansion of U.S. 52 near Kermit, West Virginia. Design included more than 10 Million cubic yards of earthwork, two interchanges and a stream relocation.

U.S. 19 Corridor L Upgrade near Muddelty, Nicholas County, WV

Design and management of approximately four miles of the expansion of U.S. 19 from 2 lanes to 4 lanes in Nicholas County. This fast track project was completed in nine months.

Meadowbrook Road (U.S. 19 End), Harrison County, WV

Design and management of new alignment of two miles of Meadowbrook Road in Harrison County. This four lane divided highway included a bridge over the West Fork River and an intersection with U.S. 19.

Mon-Fayette Expressway, Monongalia County, WV

New four lane section of the Mon-Fayette expressway in Monongalia County.

WVDOH Master (On-Call) Engineering Services, WV

Managed various highway, bridge, and related engineering services at locations throughout the state including: Lavalette to Huntington Road Widening, Spencer Center Turn Lane, Church Street in Ripley Center Turn Lane, WV 14, WV 15 Intersection Upgrade.

Bridge and Roadway projects for which Thornton provided Project Management and QA/QC while at WV DOH Engineering Division, Consultant Review Section, are listed below. Typical services included project scheduling and tracking, plan review for adherence to AASHTO and DOH standards and ensuring the project stays within scope.

Ohio River Bridge, Weirton, WV

Design study for a new Ohio River crossing near Weirton WV. Project included alignment studies, preparation of an Environmental Assessment document and coordination with stakeholders including local governments, public, US Corps of Engineers, FHWA offices in Ohio and WV, Ohio DOT

I-79 Morgantown Interchange, Morgantown, WV

Design study for a new Interchange on I-79 in Morgantown. This fast track project included the preparation of an Environmental Assessment as well as developing alignments for a new interchange on I-79.

Mineral Wells to Pettyville, Pettyville, WV

Design Study and Environmental Assessment for the extension of four lane roadway from Mineral Wells to Pettyville. Typical services included project scheduling and tracking, attending public meetings, plan review for adherence to AASHTO and DOH standards and ensuring the project stays within scope.

Nutter Farm Bridge Road

Construction plans for new roadway and intersection with US 50 to allow the removal of the existing Nutter Farm bridge.

Blandville Bridge

Construction plans for the replacement of existing bridge and approach roadway.

Camp Creek Bridge, Clay County, WV

Design Study to replace the existing bridge in Clay County.

Burlington Mill Creek Bridge

Design study to select preferred option to replace the existing bridge.

US 220 Passing Lane

Construction plans for the addition of a passing lane on US 220. Typical services included project scheduling and tracking, plan review for adherence to AASHTO and DOH standards and ensuring the project stays within scope.

Bartley Branch Bridge

Construction plans for the extension of new roadway alignment to allow the removal of a structure.

Hartland Bridge

Construction plans for the replacement of existing bridge over the Elk River and approach roadway.

Fourth Street Bridge, Fairmont, WV

Design Study and Construction plans to replace the existing Fourth Street bridge with a new structure and roadway at Third Street in Fairmont. This project included coordination with City of Fairmont officials as well as the local public.

Kristen Stinson McClung serves as a Civil-Site Engineer for TERRADON Corporation and is based in the Lewisburg, WV office. She brings nearly 20 years of engineering practice to public and private sector clients. From conception through acceptance of projects, McClung offers experience in civil, environmental, land development, streetscapes, survey, permitting, water, wastewater, paving, storm drainage, transportation and erosion-sedimentation control.

Project Experience

Tanyard Station Sanitary Sewer Design, Village of Barboursville, WV
McClung performed the Sanitary Sewer for this new commercial, out-door shopping mall. She performed the sanitary sewer calculations for the sizing of the trunk line through the development; for the new sewer pump station within the development for that area of the development that was too low for the primary gravity system; and for the new pumps associated with the Village's existing Pump Station #4. As part of the proposed development, the existing forcemain for Pump Station #4 had to be re-routed into the development's new sanitary sewer trunk line, resulting a new pump curve for the existing station.

Schoenbaum Tennis Court Asphalt & Storm Drainage Repairs, Charleston, WV

McClung designed a new storm drainage underdrain system for the existing tennis courts. The courts were experiencing weeping from beneath the courts of trapped storm water runoff/ground water. As the existing courts were nearing the end the existing asphalt surface course's useful life, the Parks and Recreation Department decided that this was the appropriate time to install the needed underdrain system and re-surface the course, as the new underdrain system would require the demolition of the existing asphalt surface course. McClung, also developed the Contract Documents and Construction Specifications in coordination with the City of Charleston for the public bidding of this project.

The Greenbrier Sporting Club Driveway Drainage Projects, White Sulphur Springs, WV

McClung was brought in to evaluate various private homes' driveways which were experiencing surface water runoff ponding issues from incorrectly graded driveways and non-functioning/undersized storm drainage systems. McClung developed new driveway grading plans and new stormdrainage collection and conveyance systems to alleviate the stormwater runoff ponding.

Tru-Hotel by Hilton, Lewisburg, WV

McClung prepared the Site Drainage Plan for this proposed hotel within a new commercial development. Design responsibilities included the Site Layout and Parking Plan, the Site Grading Plan, and the Storm Drainage Plan. McClung also prepared the Site Design Package required by the City of Lewisburg's Planning Commission for review and approval by the City.

The Crossing – Cameron Martin Properties, Village of Barboursville, WV

McClung design the new stormwater culvert beneath the proposed entrance drive for this new commercial development. In addition,

Education

M.B.A. University of Georgia

M.S. Civil Engineering, Auburn University

B.C.E. Civil Engineering, Auburn University

Certifications

Georgia Soil & Water Conservation Commission

Level II Certified Design Professional

Registration

Professional Engineer: WV, GA, AL

Total Years Experience

22

McClung performed the Pre-Development and Post Development Stormwater Runoff Calculations for this project for use by other Design Team members.

Meadows Estates Neighborhood, Greenbrier Sporting Club, White Sulphur Springs, WV

Served as the civil-site design engineer of record for the newly created 11 lots within the Meadows Estates Neighborhood on the Meadows Golf Course. Design responsibilities included newly designed roads, water line extension, sanitary sewer extension, new storm drainage collection systems to replace existing ditches through the lots, and coordination with Mon Power of underground power extension/relocation.

Center Court at Creekside, The Greenbrier, White Sulphur Springs, WV

Served as the project manager for this project, a 2500 seat outdoor tennis stadium and the historic Greenbrier Resort. Responsibilities included site grading to accommodate the bowl stadium, which required over 30,000 cy of fill material. McClung also sized and designed the storm water drainage system, sanitary sewer system, and water distribution system for the project.

Creekside Stormdrainage Improvements for the Greenbrier Sporting Club, White Sulphur Springs, WV

Ms. McClung designed a new stormwater drainage collection and conveyance system for the Creekside Neighborhood in the Greenbrier Sporting Club. The existing neighborhood had poor drainage due to several low lying areas and an existing poor/inadequate stormdrainage collection system. Ms. McClung utilized an aerial survey to design a new stormdrainage collection system with special attention to the low lying areas. In addition, all the existing home downspouts were connected to the new system to remove the roof area runoff from the surface runoff.

Summit Bechtel Reserve As-Built Drawings, Fayette County, WV

As project manager for the as-built portion of this landmark project, responsible with TERRADON's survey team for capturing all the as-built data for the large amount of underground utilities installed during the construction phase of this historic project.

Seneca Trail Animal Hospital, Lewisburg, WV

Served as the civil-site design engineer of record for the Seneca Trail Animal Hospital. Design responsibilities included a new entrance road on shared right-of-way, grading of the subject site to include 2 new buildings, a new parking lot, an underground detention system with new injection well, and the required permitting of the proposed facility at the local and state levels.

West Virginia School of Osteopathic Medicine New Entrance Road, Lewisburg, WV

Responsible for the civil-site design associated with the O-school's proposed new entrance road off WV State Route 219. The proposed entrance road will bisect an existing greenspace and provide visibility to the front of the school from 219. Design responsibilities included site grading, storm water drainage design, permitting of the project through the WVDOT, and the production of construction drawings.

Spill Prevention, Control & Countermeasure Plan for The Greenbrier Resort, White Sulphur Springs, WV

Prepared the 2015 calendar year SPCC Plan for the 10,000 Acre hotel campus. Special emphasis was given to the on-site oil and gasoline storage facilities as well as the on-site electrical transformers.

Greg Fox oversees TERRADON's Land Development Sector. Fox has been responsible for hundreds of notable commercial, educational and recreational site development projects during his 28 year career. During his time as Land Development Department Head, TERRADON has earned Engineering Excellence Awards from the West Virginia Association of Consulting Engineers, numerous Merit Awards from the American Society of Landscape Architects, and the Gold Award from the American Council of Engineering Companies. Fox has performed a number of site selection and analysis services on projects over the last 30 years.

Project Experience

The Bechtel Summit National Scouting Reserve, Glen Jean, WV
Provided Site Design for the 10,600+ acre site in Fayette County, WV. Responsible for site grading, construction drawings, NPDES design and coordination for all project sub-consultants for NPDES permitting with WVDEP.

Valley Park Master Planning & Expansion, Hurricane, WV
Served as a Site Designer for the expanding Valley Park in Hurricane, WV. The project included planning for athletic fields, multiple parking lots, access roads and greenspace, but also incorporated a walking trail that ties into existing park trails. The plan was produced in coordination with the WVDOT to determine roadway/walkway ingress/egress and designed in accordance with local, state and federal regulations.

Grand Vue Park, Moundsville, WV
Created a Master Plan for the expansion of the Marshall County, WV park. The Master Plan was followed by a Phase I design and construction drawing package that included six "tree house"- style lodges and a high adventure park to complement the park's existing zip lines. High adventure features include a 30' high aerial obstacle course, a 28' high rock climbing wall, a 60' gravity swing, a rappelling wall, a 43 ft mega jump and a giant trampoline.

Greater Huntington Parks and Recreation District, Huntington, WV
Responsible for trail design of a connector from Harveytown Park to Ritter Park in Huntington, WV. TERRADON provided a 3-Phase Master Planning approach for a section of trail that is predicted to be heavily used by the Huntington Community. Also responsible for the Master Planning of a unique trail system for the Greater Huntington Parks and Recreation District. The project design called for the connection of the Ceredo-Kenova area to Huntington. The trail system was designed to use the top of an earthen flood levy to move through urban areas. Design included alignments, typical sections and E&S Control.

Palatine Park Master Planning, Fairmont, WV
Provided master Planning Services for the City of Fairmont for the redevelopment of Palatine Park on the east side of the Monongahela River adjacent to downtown Fairmont, WV. The Master Plan featured new parking areas, walking trails, a vista overlook, a picnic gazebo and retail space.

Education

B.A. Landscape Architecture
West Virginia University

B.A. Geography & Planning
West Virginia University

Certifications

Registered Professional Landscape Architect: WV

LEED Accredited Professional

Total Years Experience
+30

Putnam County Parks Master Planning, Putnam County, WV

Provided Master Planning and site civil design services for the expanding Valley Park in Hurricane, Putnam County, WV. This work is part of a nearly \$2 million expansion, which was completed in 2013 and adds an additional 6 acres to the park. The plan was designed in accordance with local, state and federal regulations.

Greenbrier Valley Medical Center, Lewisburg, WV

Responsible for master planning through site/civil construction documents for the Greenbrier Valley Medical Center in Lewisburg, WV.

Tazewell Community Hospital, Tazewell, VA

Responsible for master planning through site/civil construction documents for the East Addition of the Tazewell Community Hospital in Tazewell, Virginia.

Thomas Memorial Hospital, South Charleston, WV

Responsible for site/civil construction documents for Thomas Memorial Hospital in South Charleston, WV.

Greater Greenbrier Sports Complex, Lewisburg, WV

Provided Master Planning and Grading Design Services for the Greater Greenbrier Sports Complex located north of Lewisburg, WV. Five phases include: Master Planning, Grading Study, Full Construction Documents, Utility Layout, Road Design, Erosion and Sediment Control.

Glade Run, Zelienople, PA

Conducted a master facility plan for a 300+ acre development for Glade Run Lutheran Services. This project involved a mixed-use development which included an equestrian trail, senior housing, single family residential, office, and retail.

Fairmont Riverfront Park Master Plan, Fairmont, WV

The City of Fairmont and the Fairmont Renaissance Corporation intend to develop new recreation opportunities and at the same time enhance economic development opportunities for the community. The main goal of the planning process was to develop a plan that will allow for the comprehensive development and implementation of new elements to the riverfront. The elements planned will include rehabilitation of an existing park and new recreation, commercial, and residential opportunities.

Volcano Island Master Planning, WV

Provided land planning and design engineering, utility location and mapping services for the properties. The master planning provided vision for Volcano Island Water Park, allowing the City of Fairmont efficient and value-based use of the former environmentally concerned site.

Shawn Gray is an experienced Site Designer and Land Planner who serves as an integral part of the TERRADON design team. He offers experience on many of TERRADON's highest profile projects, focusing on large scale site development and parks and recreation projects. Gray also provides site design and landscape architecture services for K-12 and Higher Education projects. He is responsible for developing site, grading, landscape and utility plans, site detailing and erosion sediment control plans and permitting.

Project Experience

Bible Center Church Master Plan, Charleston, WV

Project consisted of the layout of a soccer field, youth soccer fields, track, softball field, cross country/walking trail, a new sanctuary, chapel, pre k-8 school/gym, ministry village, new parking, independent living facilities, and assisted living facilities. Project also consisted of site grading and utility study and a budget estimate.

Ohio Valley University, Vienna, WV

Project consisted of designing a sports complex for the university. New amenities included a track and field events, soccer field, baseball field, new softball field, tennis courts, parking, basketball arena with amenities, and an outdoor sports hall of fame. Project also consisted of site grading and a budget estimate.

Cabin Creek Health Systems, Sissonville, WV

New medical/dental office building. Services included site layout, grading, drainage, utility, erosion and sediment control, details, and landscape. Site also included retaining wall layout and design, underground stormwater design, creek bank stabilization.

Greater Greenbrier Sports Complex, Greenbrier County, WV

Provided 5-Phased, Master Planning and Grading Design Services for the Greater Greenbrier Sports Complex located north of Lewisburg, WV.

Valley Park Master Planning & Expansion, Hurricane, WV

Served as a Site Designer for the expanding Valley Park in Hurricane, WV. The project included planning for athletic fields, multiple parking lots, access roads and greenspace, but also incorporated a walking trail that ties into existing park trails. The plan was produced in coordination with the WVDOT to determine roadway/walkway ingress/egress and designed in accordance with local, state and federal regulations.

Volcano Island Master Planning, WV

Provided land planning and design engineering, utility location and mapping services for the properties. The master planning provided vision for Volcano Island Water Park, allowing the City of Fairmont efficient and value-based use of the former environmentally concerned site.

Sheetz, WV

Provided site design services for Sheetz Service Centers at Scott Depot, Cross Lanes and Green Acres, WV. The projects consisted of site layout and design, utility design, hardscapes and landscape architecture.

Education

B.A. Landscape
Architecture
West Virginia
University

Total Years Experience

+15

"Pete" Williams is a graduate of West Virginia University with a Bachelor of Science in Landscape Architecture. His responsibilities include landscape architectural design, grading and storm water drainage design, the design of pedestrian circulation systems and related amenities, roadway design, site planning, and quality control. Mr. Williams is registered as a professional Landscape Architect in West Virginia with more than 15 years of experience at TERRADON and more than 25 years of overall experience.

Project Experience

WVARNG Camp Dawson, Preston County, WV

Landscape Architect involved in the design & production of drawings for project. - Site Development work on a secured campus for various expansions and improvements.

WVANG Headquarters & Campus, Charleston, WV

Landscape Architect involved in the design & production of drawings for project. - Site Development work for establishment of a new headquarters building and secured campus.

WVARNG Eleanor Readiness Center, Eleanor, WV

Project Manager involved in the design, production of drawings and construction administration for the project. - Site Development work for new secured administration and maintenance facilities encompassing one large campus.

WVANG Fire / Rescue Station at Yeager Airport, Charleston, WV

Project Manager involved in the design, production of drawings and construction administration for the project. - Site Development work for a new secured Fire / Rescue Station at Yeager Airport.

Greater Greenbrier Sports Complex, Greenbrier County, WV

Provided 5-Phased, Master Planning and Grading Design Services for the Greater Greenbrier Sports Complex located north of Lewisburg, WV.

Valley Park Master Planning & Expansion, Hurricane, WV

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Education

B.A. Landscape
Architecture
West Virginia
University

Total Years Experience

+27

Andrew Wagner is a Project Designer and Engineer in Training at TERRADON Corporation. Wagner is responsible for design on civil and highway projects. Wagner has a background in mine engineering as well as oil and gas drilling and completions operations management and has served as the drill site manager in the Gulf of Mexico while with another firm. Wagner has experience in highway design and drainage design and has provided relevant services on various projects throughout West Virginia.

Project Experience

Mingo Logan Coal (Blair Slip), Logan, WV

The project was an emergency slip repair on CR 17. Approximately 1530 feet of roadway was realigned to locate the route on stable bedrock. Wagner served as Lead Designer on the project and consulted on selection of an appropriate and cost-effective long-term solution for stabilization of the length roadway in question. Wagner designed horizontal geometry, vertical geometry and typical section of the realignment, utilized geotechnical drilling reports to design a cut slope for the realigned roadway, performed drainage calculations to design the roadside ditch and drop inlets, and performed modeling and drafting work to produce a plan set for construction.

Twin Branch (Twin Branch Box Culverts), Twin Branch, WV

The project consisted of the study, design, and preparation of construction contract plans for the replacement of two bridges with two box culverts in Twin Branch near Davy, WV. Wagner served as a Project Designer and assisted with drafting and structural detailing of the box culvert designs, developed steel reinforcing schedules for the box culverts, drafted roadway plans, created a maintenance of traffic plan showing road closures, detours, and required signage, and calculated roadway and bridge quantities.

MacArthur Bridge, Raleigh County, WV

The project was scoped to rehabilitate the MacArthur Bridge (WV Route 16) over I-77 ramps near Beckley, WV. Wagner performed drafting and digitization of field inspection notes for bridge repair.

Harper Road Bridge Rehab, Beckley WV

The project was scoped to rehabilitate the Harper Road Bridge (WV Route 3) over I-77 in Beckley, WV. Wagner performed drafting and digitization of field inspection notes for bridge repair.

Mossy Bridge, Mossy WV

The project consisted of the design and preparation of contract plans and related documents for the replacement of the existing Mossy Interchange Bridge, which carries WV 612 over Paint Creek in Fayette County. Wagner served as a Project Designer and performed a site visit and assisted with collecting field data for hydraulics analysis, assisted with hydraulics analysis and drafting of a bridge hydraulics report, delineated drainage area for Paint Creek for drainage calculations, consulted on roadway and super elevation design for the proposed alignment to satisfy DOH requirements, and developed construction phasing and maintenance of traffic schemes.

Education

B.S. Mining Engineering,
Virginia Polytechnic Institute & State University
Blacksburg, VA

Certifications

Engineer In Training (EIT)

Total Years Experience

7

311 Bridge, Greenbrier County, WV

The project consisted of the design and preparation of contract plans and related documents for the rehabilitation of the existing 311 Bridge, which carries WV 311 over I-64 in Greenbrier County. The rehabilitation consisted of deck replacement, conversion of abutments to semi-integral abutments, repair of cracking and delaminated concrete at abutments and piers, repair of the approach railing, repair of the approach slab, clean and paint superstructure, and the construction of a pier protection system. Wagner served as a Project Designer and calculated & check calculations of roadway quantities, developed steel reinforcing schedule for pier protection system, and designed super elevation transitions and profile corrections on 311.

Chelyan to Montgomery, Kanahwa County, WV

The Route 60 Design Study, following WVDOH guidance, divided approximately 12 miles of highway into 3 sections, with each section containing multiple study sites. A total of twelve sites were studied. Improvements studied included a roadway realignment, adding turning lanes, and slope stabilization. For each alternate at each site, roadway geometry, right-of-way impacts, environmental impacts, earthwork volumes, construction cost, etc. were assessed in order to recommend a preferred alternate. Wagner served as Design Team Lead for the design study, coordinating and managing work for all study sites. Wagner developed two alternates for realignment at "Site 1A" near Shrewsbury, WV. This included preliminary design of roadway geometry, cut and fill slopes, construction cost estimation, major drainage requirements, and assessment of right of way impact and utility relocation requirements. Wagner was responsible for a preliminary design and cost estimate for a pile and lagging wall to fix a slip at "Site 1AA" near Shrewsbury, WV.

I-79 US 50, Clarksburg, WV

The project is a Phase I PIE Design study for improving the I-79/US 50 Interchange in Clarksburg, WV. The study consists of three alternates for interchange modification: Diverging Diamond, Bypass A, and Bypass B. Wagner produced design study plans for Bypass A involving two interchange bypass bridges and a ramp flyover bridge. This included the development of new roadway geometry, preliminary span arrangements for the three bridges, major drainage requirements, earthwork calculations, construction cost estimates, and an assessment of the alternate's impact and overall feasibility. Wagner also contributed to modeling and drafting of the other two alternates.

Pipestem Zipline Design, Pipestem, WV

The project consists of design and construction inspection of a zipline at Pipestem State Park. Wagner participated in pre-construction site meetings to inspect the site and discuss design alternatives and construction planning with the client. Wagner prepared the bid document for zipline construction vendors to bid on the job. Wagner provided LiDAR mapping in the vendor's requested CAD format for zipline layout and modeling, and reviewed the vendor's plans for construction.

City of Huntington – Fern Street, Huntington, WV

The project is a retaining wall in Huntington, WV. Wagner used CAD to create an alignment for stationing reference on the existing Fern Street.

City of Huntington – Kinetic Park Landslide, Huntington, WV

The project involves an emergency landslide at Kinetic Park in Huntington, WV. The large landslide impacted houses below and threatened to close an unnamed tributary. Wagner performed a drainage area delineation and peak discharge calculation at the site for NPDES permitting purposes.

Dakota Smith is a project designer for TERRADON Corporation. Smith provides engineering design services on various projects ranging from land slips to deck replacements. Smith has performed various tasks from drafting in Microstation, to preparing calculations for different structural components, to using modeling software to analyze bridge superstructures.

Project Experience

Amherst Coal Pad, Amherst, PA

Smith served as a staff designer for the design of a coal pad in Amherst, PA. The job included investigation of a site by the river that would require a large excavator to unload large amounts of material from barges. Smith performed the calculations and analysis to determine what (if anything) needed to be added to the foundation to be able to support the large equipment that would be unloading material for an extended period of time.

Bonds Creek Bridge Replacement, Ritchie County, WV

Smith performed calculations to verify the crane capacity for the crane the contractor was using for their erection scheme. Smith analyzed shop drawings from the manufacturer of the new girders and analyzed moment capacities.

US35, Mason County, WV

Smith served as a staff designer for the US35 Bridge Replacement. Smith performed calculations for the shore towers that would be temporarily supporting the girders during the time of erection. Smith verified what the wind load on the shore towers would be and that the cables on the towers were large enough to support the loads that would be applied to them.

Mingo Logan Coal (Blair Slip), Logan County, WV

Smith served as a staff designer for the Mingo Logan Coal (also referred to as the Blair Slip) project in Blair, WV. She performed quantity calculations for various materials on the job including pavement markings, excavation quantities, and guardrail quantities.

Twin Branch Culverts, McDowell County, WV

Smith served as a staff designer for the Twin Branch Culverts design in Twin Branch, WV. The design included replacing the current culverts with improved, up to date culverts. Smith assisted in the preparation of drawings for the culverts.

Harper Road Bridge, Raleigh County, WV

Smith served as a staff designer for the Harper Road Bridge Rehabilitation in Beckley, WV. The rehabilitation included changing the abutments to semi-integral, and rehabilitating the existing pier. Smith assisted in the inspection of an abutment on the bridge, and assisted in the preparation of the plan set.

MacArthur Bridge, Raleigh County, WV

Smith served as a staff designer for the MacArthur Bridge Rehabilitation in Beckley, WV. The rehabilitation included repairs to the substructures, and changing the abutments to semi-integral.

Education

B.S. Civil
Engineering,
Virginia
Polytechnic
Institute & State
University,
Blacksburg, VA

Certifications

Engineer in
Training (EIT)

Level II Erosion
& Sediment
Control NCDOT

WVDOT TRET
Level III

Total Years Experience

3

Ben Prior is a staff engineer at TERRADON Corporation. Mr. Prior is responsible for a variety of tasks for civil engineering projects. He inspects, evaluates, designs and coordinates installation of structural systems. Much of his experience is in modification, improvement, and retrofitting for coal and railroad clients.

Project Experience

311 Bridge Rehabilitation, WVDOH, Greenbrier County, WV

311 Bridge Rehabilitation consisted of the following; concrete deck replacement with lightweight concrete to achieve desired load rating using "Traditional" deck design, converting the abutments to semi-integral, and an adjustment to the normal cross-slope. Prior was part of the structural design team assisting with deck design and designing connection dowels for seismic loading per AASHTO.

Route 60 Roadway Design Study Chelyan to Montgomery, WVDOH, Kanawha County, WV

The Route 60 Design Study, following WVDOH guidance, divided approximately 12 miles of highway into 3 sections, with each section containing multiple study sites. A total of twelve sites were studied. Improvements studied included a roadway realignment, adding turning lanes, and slope stabilization. For each alternate at each site, roadway geometry, right-of-way impacts, environmental impacts, earthwork volumes, construction cost, etc. were assessed in order to recommend a preferred alternate.

Port Perry Bridge Rehab, West Mifflin, PA

While at another firm, Prior Inspected 1,600' plus railroad bridge. Inspection was performed by climbing with fall protection and by utilizing a specialized pontoon boat with extendable boom. Developed plans for railroad bridge rehab. Worked with bridge owner to prioritize needed repairs.

Railroad Retaining Wall, Maidsville, WV

While at another firm, Prior designed and acquired permits for (4) retaining wall for railroad company. The walls were approximately 100' to 250' long cantilevered and tie-back soldier pile wall. Coordinated with railroad and state DOT on right-of-way locations.

Railroad Retaining Wall, Shamrock, PA

While at another firm, Prior designed and acquired permits for a retaining wall for railroad company. The wall was approximately 250' long cantilevered soldier pile wall. Designed maintenance of traffic plan while coordinating with state DOT officials.

General Railroad Infrastructure, Various Locations East of Mississippi

While at another firm, Prior designed fueling platforms, jib crane foundations, stairs, sand silo foundations, underground concrete vaults, and other facility structures for a railroad company. Most of these projects were retrofitting and rehabilitation designs. These designs required creative solutions that both fulfilled the owner's need and fit into the significant constraints of limited space and cost effectiveness. Loading and analysis included wind, gravity, buoyancy, and seismic when applicable.

Education

B.S. Civil
Engineering,
West Virginia
Institute of
Technology

Certifications

Registered
Professional
Engineer: WV

Total Years Experience

8

Matt Glaspey serves as a Construction Site Manager at TERRADON Corporation. Glaspey is an onsite construction representative who coordinates project critical path items between contractor, designer and owner. He is experienced in conducting, supervising and evaluating construction monitoring, testing and reporting activities including scheduling, oversight, and deficiency reporting.

Glaspey is well-versed in creating and reading engineering drawing, CAD files, and GIS information. He offers nearly more than 15 years of project design and management experience. In prior roles at TERRADON, Glaspey was responsible for developing site plans, grading plans, landscape plans, utility plans, site detailing and specifications. Glaspey has worked on notable projects throughout the Appalachian Region including the Summit Bechtel Reserve National Boy Scouts Camp. Glaspey has designed and provided project oversights for more than 100 projects at TERRADON, including city sidewalks, parks, recreational facilities, educational sites, housing developments and state and federal projects.

Project Experience

Shawnee Park Multi-Sport Complex, Dunbar WV

Served as the Construction Management Representative for the project. Project involved site design and specifications for the renovation and additions to Shawnee Park in Dunbar, West Virginia. The park design plans include ADA compliant parking, walking trails, bicycle paths, and upgraded curbing and sidewalks. The project includes removing existing golf course to renovate into a multi-sports complex and includes construction of 15 soccer fields, four baseball fields and asphalt parking lots. Glaspey monitored overall construction and worked with the Owner and Contractor throughout the construction process to ensure the project conformed with approved design drawings.

Valley Park Expansion and Sports Field Additions, Hurricane, WV

Served as the Construction Management Representative for the project. Glaspey was responsible for the design, construction specifications, and construction oversight for the five-acre expansion of Valley Park in Hurricane, WV. The park design included updated ADA compliant walking trails and parking lots, the construction of a 15,000 square foot maintenance barn, shelters, tee ball and soccer fields and a containment pond. Glaspey was responsible to monitor overall construction and worked with the Owner and Contractors throughout the construction process to ensure work conformed with approved design drawings.

H. Bernard Wherle Sr. Scout Leadership Service Center, Kanawha City, WV

Served as the Integrated Project Delivery Liaison for the project. Glaspey was involved from pre-design through construction of the 13,000 square foot Buckskin Council facility near Charleston, WV. Glaspey served as the primary liaison between the designer, owner and contractor during the \$3.7 million renovation. The project was completed in a fashion where designers provided 30 percent plans and contractors began work while designers stayed ahead of them with engineering design and specification often times being performed in an expedited manner to meet aggressive time schedules. Glaspey ensured construction activities met standard engineering specification and approved engineered drawings on a strict timeline. He provided construction documentation

Education

Bachelor of Science
West Virginia University
School of Design and Community Management

Certifications

OSHA 30 HR

Certified Construction Manager (CCM)

Envision Sustainability Professional (ENV SP)

Total Years Experience

15

and project coordination for the fast track project. Oversight included CAD drawings, site layout and design, permitting, utility design, hardscapes and landscape architecture.

Sleeping Bear National Lakeshore Targeted Accessibility Improvement Program (TAIP) - Loon Lake, Platte River Campground and Philip A. Hart Visitor Center Accessibility Rehabilitation, Empire, MI

Served as the Construction Management Representative for the project. As CMR, Glaspey was responsible for inspecting, monitoring and documenting the work of the construction contractor for progress, workmanship and conformance with the contract documents and existing codes. Responsibilities included, but were not limited to, conducting meetings, providing daily reports detailing ongoing work and any pertinent issues, and providing technical assistance and support to the COR during construction. Glaspey was responsible for the oversight of all aspects of the project which includes 11 renovated camp sites, exterior improvements for eight comfort stations and one support building, installation of casework inside two support buildings, installation of a kayak launch, and a new fishing pier including 25 helical piles, steel frame supports, and wood decking.

WV Advanced Technology Centers, Fairmont & South Charleston, WV

Served as the Construction Management Representative for the project. TERRADON Corporation provided site design and layout for two higher education facilities in West Virginia. Glaspey served as the CMR where he oversaw adherence to approved design plans by the contractor. Each site consisted of an early site package and building package, where Glaspey provided construction assistance throughout. Glaspey was responsible to monitor overall construction and worked to ensure compliance with approved design drawings.

Toyota Motor Manufacturing, Buffalo, WV

Served as Construction Manager for multiple construction projects throughout a 1.9 million square foot automotive plant. Responsible for maintaining and updating the Toyota Motor Manufacturing West Virginia (TMMWV) facility master plan and coordinating with local and national Toyota team members for future plant needs. Coordinated with multiple TMMWV group leaders to improve safety by reducing pedestrian and vehicular conflicts and simplifying circulation patterns during various construction activities as well as daily plant activities. Participated in weekly safety planning meetings and assisted in developing a plan to reduce TMMWV's Falls Risk Assessment and Management Plan (FRAMP) score as well as helping to develop an evaluation system for accident prevention.

Charleston Replacement Housing, Charleston, WV

Served as the Construction Management Representative for the project. Glaspey provided construction oversight services during a multi-phase housing development on the east side of Charleston, WV. The project included utility and site development including new ADA compliant sidewalks, curbing, and parking. Additionally, Glaspey was responsible for coordination of overall site activities with the project developer, designer and contractor. Glaspey was responsible for construction monitoring while the work was in progress and as-built drawings upon completion of the project.

Ronald McDonald House, Charleston, WV

Served as the Construction Management Representative for the project. Provided construction monitoring, oversight and project coordination for the design-build project near CAMC Hospital in Charleston, WV. Coordination between designer, contractor and owner included new ADA compliant sidewalks, curbing and parking, CAD drawings, site layout, design and grading, permitting, utility design, hardscapes and landscape architecture. Glaspey monitored and reported on progress, specification quality control, and deficiencies.
