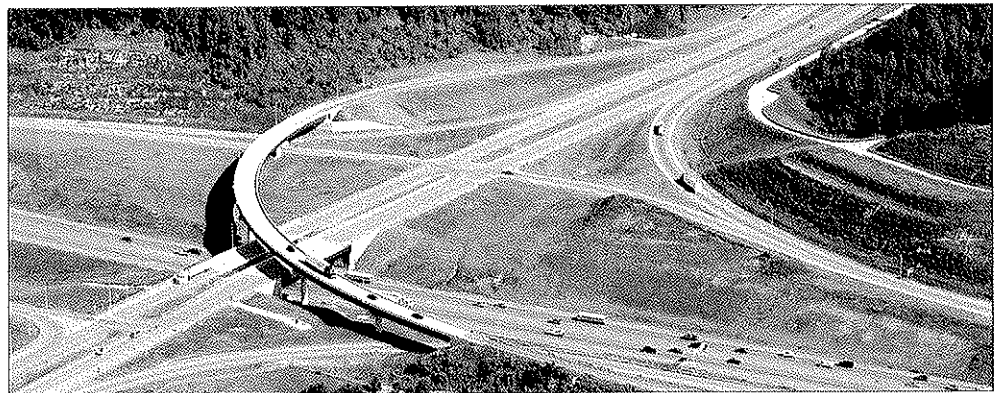
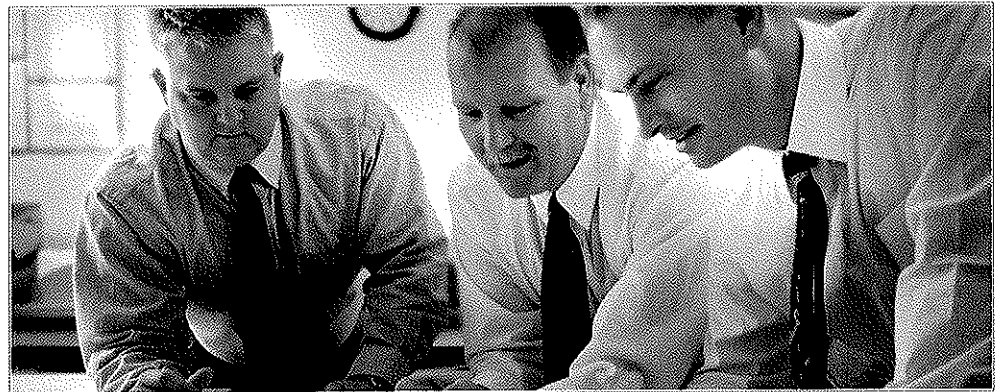
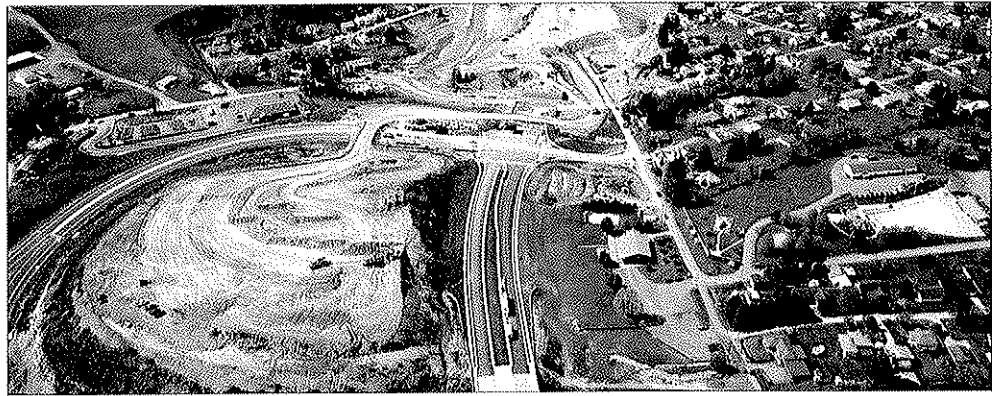


Presented to:

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

Buyer: TL-File 32
Req #: DEFK11024



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PURCHASING DIVISION
STATE OF WV

401 Jacobson Drive
Poca, WV 25159
304.755.8271
terraddon.com

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Executive Summary



About TERRADON Corporation

TERRADON CORPORATION offers a wide range of engineering and environmental engineering design services, and is particularly suited to utility development in the mountainous areas of West Virginia and the Eastern United States. The company was formed in 1989, and its staff includes engineers, landscape architects, surveyors, planners, environmental scientists, designers, and technicians. TERRADON's services are organized into seven service areas that work together or independently, depending on client needs and the scope of the project.

Due to the breadth of services offered, TERRADON is regarded as one of the region's leading infrastructure planning and design firms. The firm has built its reputation by providing cost effective design solutions and maintaining the highest level of customer service .

SERVICE OFFERINGS

ROADWAY &
BRIDGE
DESIGN

LAND PLANNING &
SITE DESIGN

SURVEYING &
MAPPING

CIVIL ENGINEERING

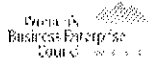
GEOTECHNICAL
INVESTIGATIONS



MATERIALS
TESTING &
CONSTRUCTION
MONITORING


ENVIRONMENTAL

TERRADON

Certifications



Women's Business Enterprise National Council
 in partnership with
Ohio River Valley - Women's Business Council
 certifies that the criteria for certification as a








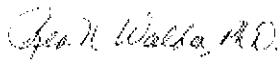
Women's Business Enterprise
 (WBE)
 has been met by

Terradon Corporation













Authorized by Rose N. Gardner, Ph.D., Executive Director
 Ohio River Valley - Women's Business Council









Expiration Date: 01/29/2011
Certificate Number: 2005112195
SIC Code(s): 8711
NAICS Codes: 541330

Women's Business Enterprise Certification

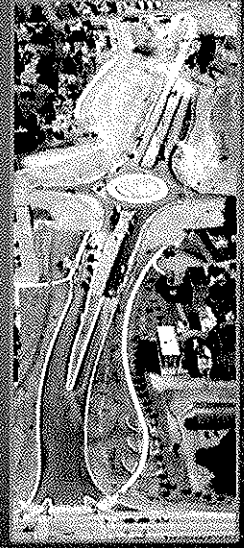
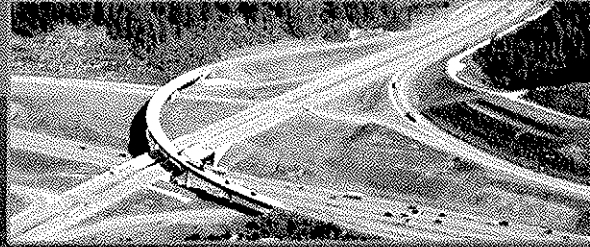
TERRADON CORPORATION is a certified Women's Business Enterprise as defined by the Women's Business Enterprise National Council. TERRADON is controlled by Virginia King, who provides more than 32 years of administrative experience to the company.

The Women's Business Enterprise National Council (WBENC), founded in 1997, is the nation's leading advocate of women-owned businesses as suppliers to America's corporations. It also is the largest third-party certifier of businesses owned and operated by women in the United States. WBENC works to foster diversity in the world of commerce with programs and policies designed to expand opportunities and eliminate barriers in the marketplace for women business owners. WBENC works with representatives of corporations to encourage the utilization and expansion of supplier/vendor diversity programs.

TERRADON Roadway & Bridge Design

ROADWAY & BRIDGE DESIGN

TERRADON's Roadway and Bridge Design group is one of the most respected in the region. The department is well-known for its structural design capabilities and expert knowledge in erection planning.



When it comes to experience, TERRADON knows it first hand. Whether it be project planning, preliminary engineering studies, or detailed roadway design, TERRADON has a history of resources to successfully complete your important transportation project objectives. Success on each project has been achieved by using advanced technology to produce innovative, award-winning projects. Construction costs and design projects are important to TERRADON, and the firm plans and manages according to your business needs.

Strong working relationships are important to TERRADON, thus resulting in consistent rating of Excellent and Above Average on consultant evaluations. TERRADON has demonstrated exceptional technical ability and quality of work by winning West Virginia Division of Highways Engineering Excellence Awards for design in 2000 and 2002.

KEY PERSONNEL

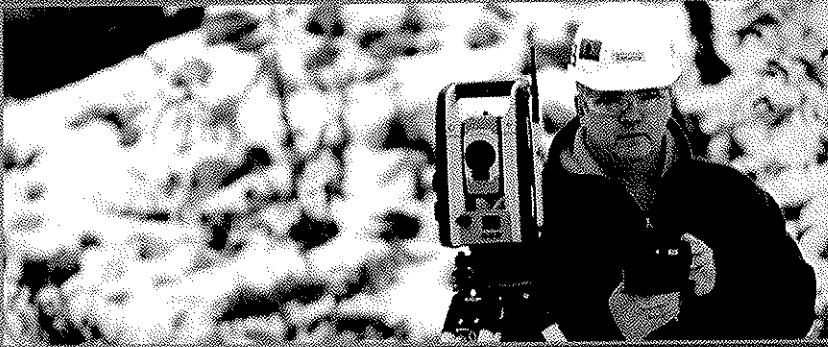
Tim White, PE

Department Head: Roadway & Bridge

Mr. White has more than 16 years experience in both roadway design and construction. He has a strong background in geometric design, drainage, and all other facets to complete a set of plans for construction. During eight years, he has progressed from a design engineer as an employee of the West Virginia Department of Transportation, Roadway Design Division, to a Project Manager for various consulting firms.

Mr. White also has over five years working in the construction industry, as his projects varied from site development and landfills, to a major highway projects.

TERRADON



SURVEYING & MAPPING

A critical piece to the engineering and construction industry, TERRADON is regarded as a top-tier firm in the surveying and mapping trade. TERRADON focuses on construction stakeout, ALTA survey, topographic survey, and boundary survey services.

TERRADON has developed an extensive resume of successful surveying and mapping projects performed throughout the difficult terrain of West Virginia and surrounding states. The Survey and Mapping group performs services for a large number of private and public sector clients. TERRADON's experienced, staff of licensed professional surveyors and mappers brings expertise and proficiency to every project.

It's commitment and investment in state-of-the-art equipment and technology enable the company to overcome unique and challenging project conditions and obstacles.

Services Include:

- » GPS Control mapping
- » GIS
- » Underground Utility Location
- » Wetland delineation surveys
- » Base mapping for (GIS) geographic information system
- » Boundary surveys
- » ALTA/ACSM surveys
- » Topographic surveys
- » Engineering design surveys
- » Aerial Imagery
- » Horizontal and Vertical Control Surveys
- » Commercial subdivision platting
- » Residential subdivision platting
- » Cellular / Communications Towers Surveys

KEY PERSONNEL

Robert Thaw, PS

Department Head: Survey & Mapping

Mr. Thaw is Manager of Surveying Services for TERRADON. He organizes and supervises survey crews; designs commercial sites for drainage, building site locations, parking and utility easements; reviews project plans; and creates base mapping. Mr. Thaw has more than 22 years of experience in a wide range of land surveying applications. He is experienced with the day-to-day operation of the business and management of personnel.

TERRADON Materials Testing & Construction Monitoring

MATERIALS TESTING & CONSTRUCTION MONITORING

TERRADON offers materials testing and construction monitoring to document compliance with project design specifications and regulatory requirements. The firm offers a staff that is well-versed in the industry, holding all WVDOT certifications for materials testing.



TERRADON offers materials testing and construction monitoring 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.

Testing and Monitoring Services include:

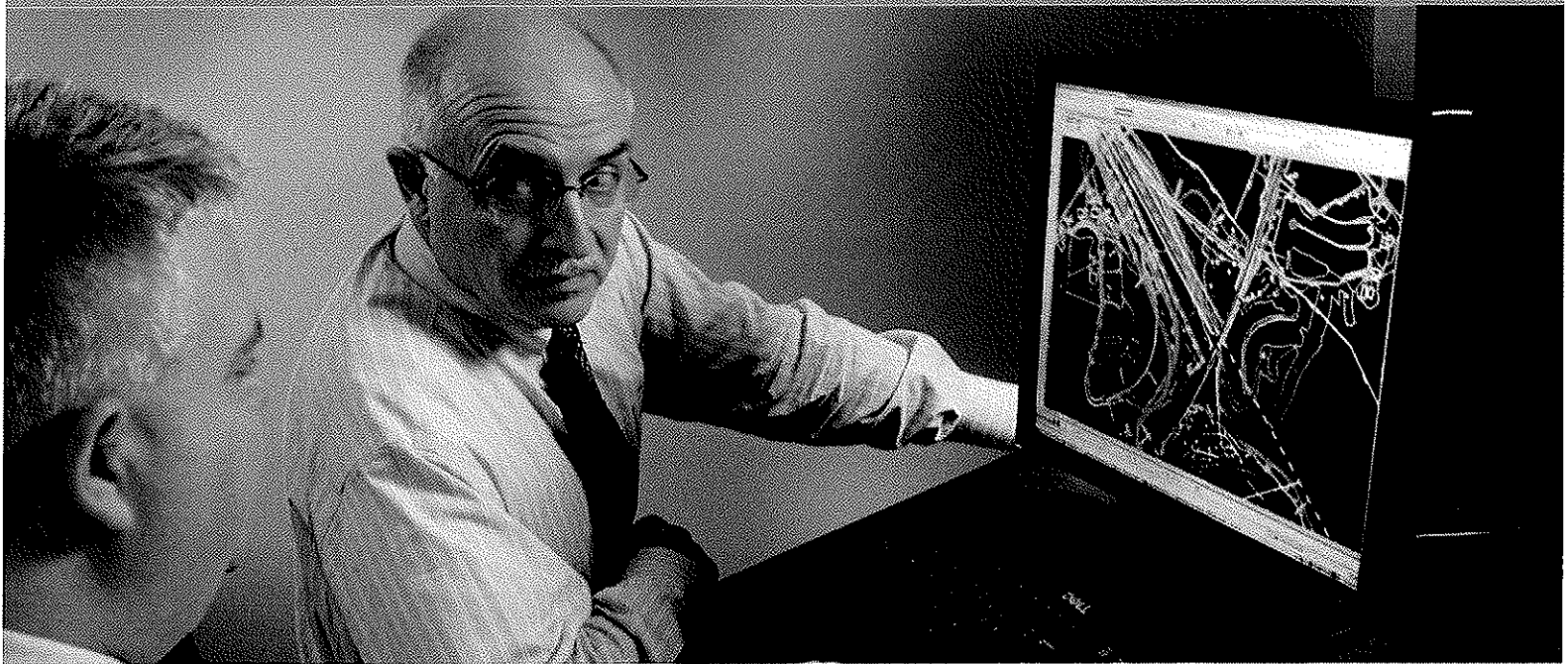
- » Slump of Portland Cement Concrete (AASHTO-T119)
- » Air Content of Freshly Mixed Concrete (AASHTO-T196 & T152)
- » Unit Weight and Yield (AASHTO-T121)
- » Making and Curing of Concrete Test Specimens (AASHTO-T23)
- » Compressive Strength of Concrete Specimens (AASHTO-T22)
- » Fine and Course Aggregate 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

KEY PERSONNEL

Bruce Frame

Department Head: Materials Testing

Bruce Frame is TERRADON'S Manager of Construction Inspection and Materials Testing. He has 35 years of experience in materials testing in the Materials Section of the West Virginia Department of Transportation, Division of Highways. Since joining TERRADON in 2000, he has been responsible for material testing and inspection on a wide variety of construction projects.



TERRADON maintains the latest office management and design software available. The firm also utilizes a state-of-the-art secured network tied directly to the internet through a T2 connection.

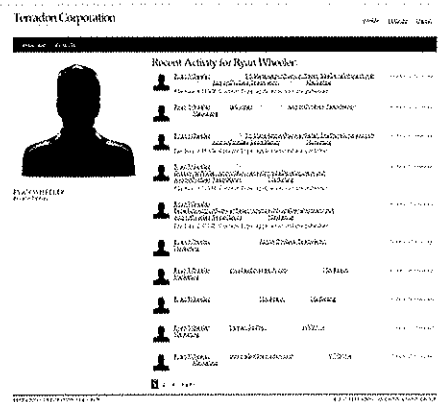
For site design, civil, and planning projects the firm utilizes AutoCAD Civil 3D 2008 along with Land Desktop Companion 2008. Additional AutoCAD modules include Raster 2008, Survey 2008, and Civil Design 2008. For highway, roadway, and structural projects, the firm uses Bentley MicroStation, Bentley InRoads, SAP2000, and MDX. This is the West Virginia Division of Highways preferred format. TERRADON's library of design software also includes SedCad & Pond Pack for erosion/sediment control, StormCAD & HydroFlow for drainage, WaterCAD for water distribution and management, and FlowMaster for hydraulic calculations.

TERRADON makes a significant investment in computers and related hardware. Our systems are consistently upgraded or replaced to maintain highly efficient CAD stations. HP8000 laser printers located conveniently to the design stations provide quick 11x17 proof plots for designers. TERRADON uses the latest

HP Design Jet plotters to provide the highest quality prints of plans available.

Additional Support

TERRADON Corporation also implements the use of a proprietary software call TEAM CENTER, allowing its engineers to efficiently share project documents with clients through secure FTP access with strict security access. Clients are invited to view the project repository through a hyperlink provided in an email. In a two-step process, clients simply click the link provided in the email, create a username and password and they enjoy access to drawings and related projects materials within seconds.



TERRADON Similar Project Experience

Project Approach

TERRADON Corporation is a multidiscipline engineering firm that routinely provides planning, design, construction phase, resident inspection, and utility management services on civil engineering projects throughout West Virginia and surrounding states. In addition to consulting civil engineering services, TERRADON Corporation has professionals that provide technical services in the areas of surveying, environmental permitting, geotechnical engineering, structural engineering, and landscape architecture/land development.

TERRADON Corporation has provided design consulting services throughout the State of West Virginia, for more than twenty years. The company has a diverse staff that can handle any project where the need exists, and welcomes new challenges.

TERRADON adheres to a proven project management strategy that will be used on this project.

TERRADON Corporation assigns a single point of contact manager for the term of the project. This manager is responsible for meeting with owner representatives to discuss the scope of the project and to begin the development of tasks for work. This gives the client a single point for obtaining information regarding status and cost of all work in process for the project.

The TERRADON Project Manager works directly with the owner to complete the outlined tasks. TERRADON's Project Manager will provide regular status reporting to the owner as a source of information of the status and costs of the project.

TERRADON Corporation

TERRADON Corporation maintains more than 50 full-time staff in order to complete projects in a quality, efficient and timely manner. The company maintains staffing protocols in order to supplement staff should project demands increase. At present time, TERRADON has sufficient staff to manage and complete work orders in relation to this contract.

Past Performance

TERRADON has provided engineering services to government and private industry for more than 20 years. During this time, the company has implemented policies and standards to provide solid cost control, quality of work and compliance with performance schedules. The firm has a strong track record of meeting WVDOH performance schedules and consistently scoring above average on consultant evaluations.

TERRADON has many satisfied Government Agencies, repeat customers including WVDEP Office of Abandoned Mine Lands and Reclamation, WVDNR Parks & Recreation Section, City of Fairmont, WV, City of Montgomery, WV, Kanawha County Commission and others.

The following project profile summaries provide an overview of several successful projects TERRADON has completed that are similar in size and scope to this request.

TERRADON Similar Project Experience

CR 18/1

RALEIGH COUNTY, WV

Project: CR 18/1, Raleigh County, West Virginia

Owner: WVDOH

Project Manager: Dave Cramer

Contact Phone: 304-558-0191

Project Description: Design for proposed new road located near Eccles, West Virginia. This road will create a bypass for traffic when trains are at a load out facility owned by International Coal group (ICG). Project consists of a new alignment, drainage, maintenance of traffic, pavement markings and also has two large box culverts. Project is scheduled for construction mid 2011.

US 19 ROAD WIDENING

NICHOLAS COUNTY, WV

Project: US 19 Widening, Nicholas County, WV

Owner: WVDOH

Project Manager: Mr. John Morrison (Retired)

Contact Phone: 304.558.9740

Project Description: Project consists of widening a four lane corridor to six lanes, along with two frontage roads. Geometric design, drainage, maintenance of traffic, and signing and marking plans are all a part of this project. Project also included the widening of one existing bridge and the design of a bridge on the frontage road. Project was placed on hold in 2005.

US 35 VALUE ENGINEERING

PUTNAM COUNTY, WV

Project: US 35 Value Engineering, Putnam County, WV

Owner: WVDOH (TERRADON provided services to Kanawha Stone Company)

Project Manager: Dave Lawman Kanawha Stone

Contact Phone: 304.755.8271

Project Description: Design for the Value engineering of Ramp 1 at the WV 34 interchange. The project, completed for Kanawha Stone Company, consisted of a new alignment which reduced the total excavation by 800,000 cubic yards of material. New drainage design and pavement design details were also completed for the contract plans.

SAINT MARY'S BYPASS

PLEASANTS COUNTY, WV

Project: St. Mary's Bypass, Pleasants County, WV

Owner: WVDOH

Project Manager: Mr. John Morrison (Retired)

Contact Phone: 304.558.9740

Project Description: Roadway design study for the WVDOH that consisted of evaluating alternates for the bypass and connection of WV 16 to the Ohio River bridge crossing. Project consisted of plans and a design study report that was delivered to the WVDOH.

TERRADON Similar Project Experience

WV 73 TURNING LANES

LOGAN COUNTY, WV

Project: WV 73 Turning Lanes, Logan County, WV

Owner: WVDOH

Project Manager: Mr. Dave Cramer

Contact Phone: 304.558.0191

Project Description: Construction plans for the turning lanes for the Fountain Place development near Logan. Plans consisted of typical, plans, cross-sections and maintenance of traffic.

MONONGAHELA RIVER BRIDGE AND APPROACHES

MARION COUNTY, WV

Project: Monongahela River Bridge and Approaches, Marion County, WV

Owner: WVDOH

Project Manager: Mr. Chad Lowther, P.E.

Contact Phone: 304.558.9737

Project Description: Design of twin 1500' bridge and approaches near Rivesville, WV. All bridge design was done by Mr. William White, P.E. All drainage, maintenance of traffic, signing, pavement markings and geometric layout was done by Mr. Timothy White, P.E. Three alternate roadway alignments were studied and a design study report as well as TS&L report were completed for the WVDOT.

FAIRMONT CONNECTOR

VALUE ENGINEERING

MARION COUNTY, WV

Project: Fairmont Connector Value Engineering, Marion County, WV

Owner: WVDOH (TERRADON provided services to Kanawha Stone Company)

Project Manager: Dave Lawman Kanawha Stone

Contact Phone: 304.755.8271

Project Description: Design for the Value engineering of 07 Contract, in which MSE retaining walls were eliminated and fill slopes were designed in place. Re-alignments were done for a bike path, walking path, State Street Extension and all subsequent lighting plans, pavement markings and signing plans were revised. In addition, the MSE wall at a proposed bridge was also revised due to the revised slopes. Project currently in construction phase. Total savings are estimated a \$2 million.

AIR NATIONAL GUARD ENTRANCE

ELANOR, WV

Project: West Virginia Air National Guard

Client:

Omni Architects

Client Role:

Prime Consultant

Owner:

West Virginia Air National Guard

Location:

Eleanor, WV

The West Virginia Air National Guard performed a road widening and repavement project including a concrete wash point for vehicles. Additionally, the project included the construction of a new building onsite. TERRADON provided site design, roadway, parking lots, survey and geotechnical services.

TERRADON Similar Project Experience

FAIRMONT CONNECTOR V/E

FAIRMONT, WV

Project: Fairmont Connector V/E, Fairmont, WV

Owner: WVDOH (TERRADON provided services to Kanawha Stone Company)

Project Manager: Dave Lawman Kanawha Stone

Contact Phone: 304.755.8271

Project Description: Design for the Value engineering several areas, including removal of MSE Walls, revised road locations, revised bridge design, relocated water and sewer lines, provided area for community playground. Project resulted in approximately \$2 million savings.

US 119 ROAD WIDENING

SOUTH CHARLESTON, WV

Project: US 119 Widening, South Charleston, WV

Owner: WVDOH

Project Manager: Mr. John Morrison (Retired)

Contact Phone: 304.558.9740

Project Description: Project consists of widening of main corridor. Geometric design, drainage, maintenance of traffic, and signing and marking plans are all a part of this project.

Key Personnel



Timothy T. White, P.E.

Highway & Bridge Department Head

Mr. White has more than eighteen years experience in both roadway design and construction. He has a strong background in geometric design, drainage, and all other facets to complete a set of plans for construction. Over eight years, he has progressed from a design engineer as an employee of the West Virginia Department of Transportation, Roadway Design Division, to a Project Manager for various consulting firms. Currently, he is the Principal Engineer and Highway Group Manger for TERRADON, as well as working as a roadway design engineer.

Education

- » B.S. Civil Engineering, 1992
West Virginia University

Work Experience

- » 2003-Present
TERRADON Corporation
- » 2000-2003
The Louis Berger Group
- » 1998-2000
Wilbur Smith Associates
- » 1993-1997
Battle Ridge Companies/Ryder & Company
- » 1992-1993
West Virginia Department of Transportation

Registration

- » Professional Engineer in West Virginia, Ohio, Kentucky, Arkansas, Texas, Maryland, Pennsylvania, Virginia, and Tennessee.

Recent Project Experience Highlights

Sedalia Arch Bridge, Doddridge County, West Virginia

- » Mr. White was the Roadway Design Engineer for the approaches and detour for the replacement of a 72'-0" bridge.
- » Project included roadway design, drainage, and maintenance of traffic and right of way plans.

US 19 Widening, Summersville, Nicholas County, West Virginia

- » Project consists of widening a four-lane corridor to six lanes, along with two frontage roads.
- » Geometric design, drainage, maintenance of traffic, and signing and marking plans are all a part of this project.

St. Mary's Bypass, Pleasants County, West Virginia

- » Mr. White did a roadway design study for the WVDOT that consisted of evaluating alternates for the bypass and connection of WV 16 to the Ohio River bridge crossing.
- » Project consisted of plans and a design study report that was delivered to the WVDOT.

WV 73 Turning Lanes, Logan County, West Virginia

- » Mr. White produced a set of plans for the turning lanes for the Fountain Place Development near Logan.
- » Plans consisted of typicals, plans, cross-sections and maintenance of traffic.

Monongahela River Bridge and Approaches, Marion County, WV.

- » Senior Roadway Design Engineer responsible for all roadway design for a 1500' bridge and approaches near Rivesville, WV. All drainage, maintenance of traffic, signing, pavement markings and geometric layout was done by Mr. White.
- » Project also consisted of a design study where three alternate alignments were studied and a design study report was completed for the WVDOT.



Proposal Information

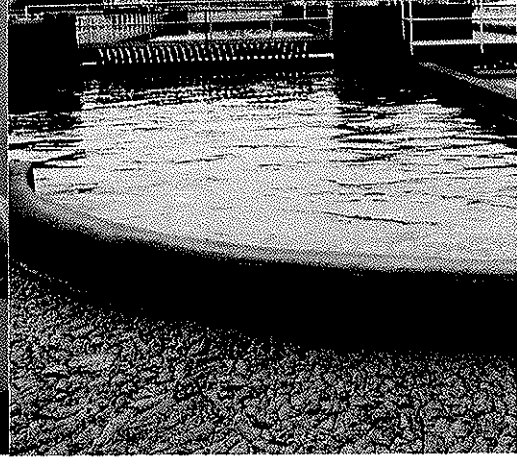
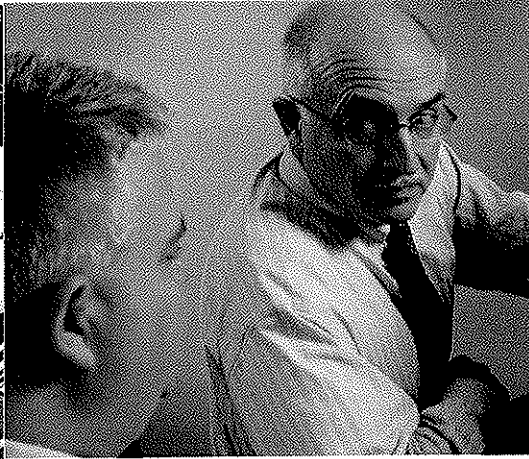
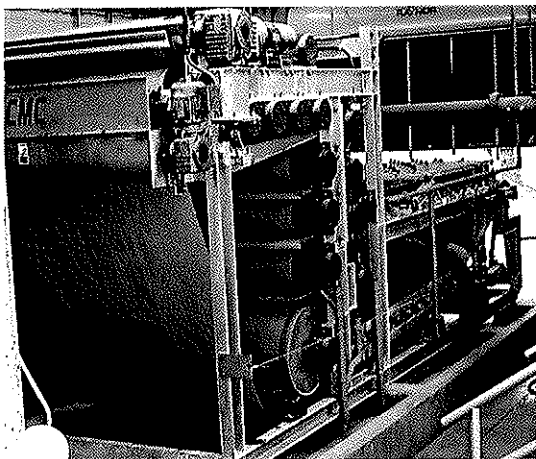
Submitted by:

TERRADON Corporation

401 Jacobson Drive

Poca, WV 25159

Contact: Ryan Wheeler
Office: 304.755.8291
Fax: 304.755.2636
email: ryan.wheeler@TERRADON.com
web: TERRADON.com



COPY

RFQ No. DEFK11024

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: TERRADON CORPORATION

Authorized Signature: Thomas J. Kottledge Date: 1-24-2011

State of WV

County of Putnam, to-wit:

Taken, subscribed, and sworn to before me this 24 day of January, 2011.

My Commission expires April 5, 2020

AFFIX SEAL HERE

NOTARY PUBLIC Susan Lightner

