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Header 1

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

Procurement Folder: 920571

SO Doc Code: CEOI

Procurement Type: Central Contract - Fixed Amt

SO Dept: 0310

Vendor ID: 000000197661

SO Doc ID: DNR2200000005

Legal Name: THOMPSON & LITTON INC

Published Date: 9/17/21

Alias/DBA:

Close Date: 9/28/21

Total Bid: \$0.00

Close Time: 13:30

Response Date: 09/28/2021

Status: Closed

Response Time: 12:06

Solicitation Description: A/E Svcs-New Campground at
Cass Scenic Railroad State Park

Responded By User ID: thompsonlitton

Total of Header Attachments: 1

Total of All Attachments: 1

First Name: Mamie

Last Name: Scott

Email: mscott@t-l.com

Phone: 276-328-5487

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: Contract Amount is N/A at this time.

Extended Description:

Architectural/engineering services and contract administration for new campground facilities at Cass Scenic Railroad State Park.



ENGINEERING QUALIFICATIONS

A/E Services New Campground at Cass
Scenic Railroad State Park

West Virginia Division of Natural
Resources

September 28, 2021



THOMPSON
& LITTON



**THOMPSON
& LITTON** EST.
1956

September 28, 2021

Mr. Joseph E Hager III
West Virginia Division of Natural Resources
2019 Washington Street East
Charleston, West Virginia 25305

RE: Expression of Interest for A/E Services New Campground at Cass Scenic Railroad State Park

Dear Mr. Hager:

Thompson & Litton (T&L) is excited to submit the attached proposal for professional engineering services for the above referenced project! With more than six (6) decades of continuous service, we are proud of our company's legacy of thousands of completed projects involving vital infrastructure such as wastewater treatment and collection.

As you review our proposal we would like to highlight the following advantages we offer.

- We are a Proven Team. T&L has completed hundreds of wastewater projects including planning, design and construction phase services. In addition to T&L's extensive experience, we also bring to bear the resources of previously acquired Stafford Consultants, Inc., who has been a leader in engineering throughout West Virginia for the past several decades. We believe that our larger organization will allow us to provide a wider array of services, and gives our organization more depth, which will help us move your projects forward more efficiently.
- Depth and Diversity Full Service In-House. T&L is a full service engineering, surveying, architectural and construction company with all major disciplines under one corporate roof. We only subcontract specialties.
- Proximity of our firm and team members to the project - accessibility and same day responsiveness. T&L will manage this project out of our Princeton, West Virginia Office.
- Understanding of the many variables that determine financial viability of infrastructure projects (financial modeling).

At T&L we view our role on our projects as being an extension of the clients we serve. Ultimately, we are not successful if our clients are not successful. Accordingly, we will strive relentlessly to meet or exceed your expectations on every project assigned to us under this contract.

We look forward to an opportunity to meet with you to further expand upon our capabilities and experience.

Sincerely,

Matthew Allen
Project Manager



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01

Staff qualifications and experience in completing similar projects.

Please find the resumes for T&L's project team on the following pages.



Gregory H. Hurst, PE

PRESIDENT

Greg Hurst, PE, is a 1991 graduate of Virginia Military Institute receiving a Bachelor of Science Degree in Civil Engineering, and a 1994 graduate of Virginia Tech receiving a Master of Science Degree in Environmental Engineering. Greg has amassed 28 years of experience in the design and construction of engineering projects.

Over the years, Greg has significantly contributed to the preliminary, planning, final design, and construction of water, wastewater, site and infrastructure development projects for numerous engineering and architectural projects.

As an extension of his role, and duties as President, Greg contributes his expertise to all engineering projects as Officer-in-Charge, providing oversight and guidance, QA/QC, and ensures that the Project Team has access to the resources necessary to complete the project on time and within budget.

The following is a sampling of his project-related experience:

EDUCATION & TRAINING

- Bachelor of Science, Civil Engineering, Virginia Military Institute, 1991
- Master of Science, Environmental Engineering, Virginia Polytechnic Institute & State University, 1994

REGISTRATIONS

- Professional Engineer: VA, 1998
- Professional Engineer: NC, 2001

PROFESSIONAL AFFILIATIONS

- American Water Works Association
- National Society of Professional Engineers
- Virginia Society of Professional Engineers

AWARDS AND PUBLICATIONS

- Hurst, Greg, Master Thesis on "Evaluating Ferrous Iron Chlorite Ion Removal," The Journal of The American Water Works Association, Volume 89, Issue 8, August 1997

CONTACT INFORMATION

Thompson & Litton, Inc.
726 Auburn Avenue
Radford, Virginia 24141
Phone: 540-633-1897
Fax: 540-633-1896
ghurst@T-L.com

Claypool Hill Wastewater Treatment Plant

Tazewell County Public Service Authority, Tazewell County, Virginia. Project Engineer.

Northern Tazewell County Wastewater Treatment Plant

Tazewell County Public Service Authority, Tazewell County, Virginia. Project Engineer.

Richlands Wastewater Treatment Plant

Town of Richlands, Virginia. Project Engineer.

Westside Wastewater Treatment Plant

Bluefield Sanitary Board, Bluefield, West Virginia. Project Engineer.

Holston Regional Sewer System Wastewater Treatment Plant

Preliminary Engineering Report

Scott County Public Service Authority, Scott County, Virginia. Project Engineer.

Gate City/Holston Regional Wastewater Treatment Plant

Scott County Public Service Authority, Scott County, Virginia. Project Engineer.

Hillsville Wastewater Treatment Plant

Town of Hillsville, Virginia. Design Engineer.

Big Rock/Conaway Wastewater Treatment Plant Retrofit/

Upgrade Preliminary Engineering Report

Buchanan County Public Service Authority, Buchanan County, Virginia. Project Engineer.

Big Rock/Conaway Wastewater Treatment Plant

Buchanan County Public Service Authority, Buchanan County, Virginia. Project Engineer.

Bland Correctional Center Wastewater Treatment Plant

English Construction Company, Inc./Virginia Department of Corrections, Bland County, Virginia. Project Engineer.

Rocky Mount Wastewater Treatment Plant UV Replacement

Town of Rocky Mount, Virginia. Project Engineer.

Matthew Allen

PROJECT MANAGER



EDUCATION & TRAINING

Bachelor, Architectural Engineering Technology, Bluefield State College, 2010

Associate, Civil Engineering Technology, Bluefield State College, 2010

CERTIFICATIONS

- Wyoming County Career and Technical Center - CAD/Drafting Certification - 2003-2004
- State of WV - Office of MHS & T Safety Sensitive Personnel: March 2014 – Present
- Norfolk Southern/CSX 2017 Contractor Safety Certification: January 2017 - December 2017
- 2017 AEP Transmission Contractor - EHS Orientation: March 2017 - December 2017
- Inspector for E&S Control - VA Dept of Environmental Quality License: ESIN1024: September 2018 - September 2021
- Stormwater Financing 101 - Municipal Online Stormwater Training Center: June 2018 - Present

CONTACT INFORMATION

Thompson & Litton, Inc.
1105 Mercer Street
Princeton, West Virginia 24740
Phone: 304-425-9555
Fax: 304-425-9557
mallen@T-L.com

Matt Allen is a 2010 graduate of Bluefield State College receiving a Bachelor Degree in Architectural Engineering Technology, and an Associate Degree in Civil Engineering Technology. He has over ten years of experience in civil engineering and architecture. Matt possesses a wide range of professional design experience, and has worked in architecture, survey, manufacturing, and civil engineering. His experience includes a variety of designs: from roadway alignments to custom signage.

Matt also volunteers extensively in Wyoming and Mercer Counties in West Virginia. He was Team Leader of Wyoming County Innovation Acceleration Strategy Transportation Team, where he and his team and county officials discuss and plan bike friendly communities, Safe Routes to School, and Rails-to-Trails. He is a member of the Technological and Socioeconomic Advisory Board for Drafting-CAD, where he assists the instructor with his curriculum and also stays updated on trends in CAD. Matt also volunteers with Bluestone Valley Trails and a working group with Rails-to-Trails and community officials to tap into West Virginia's rich railroad history and preserve corridors for recreational use.

The following is a sampling of his project-related experience:

Trail Planning Study – Christiansburg, Virginia

The purpose of this Preliminary Engineering Report was to study future bicycle and pedestrian connections throughout the Town of Christiansburg. It included preliminary layouts of 8 different sidewalk/trail projects ranging in length for 0.3 mile to 2.3 miles. Estimates were also provided for each project and each option.

Jackson River Trail Phase 3 & 4 – Covington, Virginia

Designed approximately 7 miles of walking and biking trail. This project was a Rails-to-Trails project using railroad bed along the Jackson River and included grading, storm drainage, precast concrete bridge, bank stabilization, retaining walls, restroom facilities, utilities, fencing, and signage. Included trailhead design.

Pedestrian Riverside Access – Glen Lyn, Virginia

This walking and biking trail starts in the Town of Glen Lyn and continues along Highway 460 going under the highway bridge and through Glen Lyn Park. This project consists of 10' trail design, retaining walls, and boat ramp inside the park.

Eastern Roanoke River Trail - Roanoke County, Virginia

Design of 10' wide trail approximately 2.25 miles long. Along the banks of the Roanoke River near Niagara Reservoir in Roanoke County. Design included trailhead design, intersection site distance studies, traffic counts, storm drainage, storm drainage manuals, retaining walls with switch backs, utilities, fencing, and signage.



Jeremiah W. Tuggle, PE

DIRECTOR OF CIVIL/SITE ENGINEERING

Jeremiah Tuggle, PE, is a 2008 graduate of Bluefield State College receiving a Bachelor of Science degree in Civil Engineering Technology, and a 2005 graduate of Concord University receiving a Bachelor of Science Degree in Education. Jeremiah has 12 years of experience in the design and construction of engineering projects. Since joining T&L in 2009, he has played a key role in the preliminary and final design of a variety of development projects for multiple civil engineering and architectural projects.

As the Director of Civil/Site Engineering, Jeremiah will gather and evaluate project data, provide recommendations, and develop the design details and construction documents.

The following is a sampling of his project-related experience:

EDUCATION & TRAINING

- Bachelor of Science, Education, Concord University, 2005
- Bachelor of Science, Civil Engineering Technology, Bluefield State College, 2008

REGISTRATIONS

- Professional Engineer: VA, 2015
- Professional Engineer: WV, 2015

CONTACT INFORMATION

Thompson & Litton, Inc.
726 Auburn Avenue
Radford, Virginia 24141
Phone: 540-633-1897
Fax: 540-633-1896
jtuggle@T-L.com

Claypool Hill Wastewater Treatment Plant - .35 MGD to .70 MGD Expansion

Tazewell County Public Service Authority, Tazewell County, Virginia. Design Engineer.

Conaway/Big Rock Wastewater Treatment Plant

Buchanan County Public Service Authority, Buchanan County, Virginia. Design Engineer.

New River Valley Regional Wastewater Study

New River Valley Planning District Commission, New River Valley Virginia. Design Engineer.

Sewer Collection System Maintenance and Rehabilitation Plan and Revised Wastewater Implementation Plan

City of Waynesboro, Virginia. Design Engineer.

Town of Glen Lyn Wastewater Treatment Plant Upgrade

Town of Glen Lyn, Virginia. Design Engineer.

Wastewater Treatment Plant UV Replacement

Town of Rocky Mount, Virginia. Design Engineer.

Wastewater Treatment Plant - Waynesboro Digester Classifier Screw

City of Waynesboro, Virginia. Design Engineer.

Wastewater Treatment Plant Digester Cover Replacement and Gas Dryer Installation

City of Waynesboro, Virginia. Design Engineer.

Water and Sewer System Evaluation

New River Valley Planning District Commission. Design Engineer.

Wastewater CIP Inflow and Infiltration Projects S-1 through S-18

City of Waynesboro, Virginia. Construction Contract Administrator.

Asset Management & Capital Improvements Plan

Buchanan County Public Service Authority, Buchanan County, Virginia. Design Engineer.

Birmingham Sewer Extension

Town of Richlands, Virginia. Design Engineer.

Scuffling Hill Sewer Improvements

Town of Rocky Mount, Virginia. Design Engineer.

Stephens Sewer Extension

Wise County Public Service Authority, Wise County, Virginia. Design Engineer.



Darrell Brian McGough, PE

SENIOR PROJECT ENGINEER

Brian McGough, PE, is a 1998 graduate of Virginia Tech receiving a Master of Science Degree in Civil Engineering, and a 1991 graduate of Virginia Tech receiving a Bachelor of Science Degree in Aerospace Engineering. He has 21 years of experience in the design and construction of engineering projects. Since joining T&L, Brian has played a major role in the preliminary and final design of various water, wastewater, site and infrastructure development projects.

As the Project Engineer, Brian will lead the planning and development of design concepts and alternatives that define the PER. He will also coordinate with regulatory agencies.

The following is a sampling of his project-related experience:

EDUCATION & TRAINING

- Master of Science, Civil Engineering, Virginia Polytechnic Institute & State University, 1998
- Bachelor of Science, Aerospace Engineering, Virginia Polytechnic Institute & State University, 1991

REGISTRATIONS

- Professional Engineer: VA, 2002

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers

CONTACT INFORMATION

Thompson & Litton, Inc.
P.O. Box 1307
103 East Main Street
Wise, Virginia 24293
Phone: 276-328-2161
Fax: 276-328-1738
bmcgough@T-L.com

Claypool Hill Wastewater Treatment Plant - Interim Plan/Update and Preliminary Engineering Report

Tazewell County Public Service Authority, Richlands, Virginia.

Claypool Hill Wastewater Treatment Plant - .35 MGD to .70 MGD Expansion

Tazewell County Public Service Authority, Tazewell County, Virginia. Project Engineer.

Northern Tazewell County Wastewater Treatment Plant

Tazewell County Public Service Authority, Tazewell County, Virginia. Project Engineer.

Holston Regional Sewer System Wastewater Treatment Plant Preliminary Engineering Report

Scott County Public Service Authority, Scott County, Virginia. Project Engineer.

Deerfield Correctional Center Wastewater Treatment Plant

Moseley Architects/VDOC, Southampton, Virginia. Project Engineer.

Gate City/Holston Regional Wastewater Treatment Plant

Scott County Public Service Authority, Scott County, Virginia. Project Engineer.

Big Rock/Conaway Wastewater Treatment Plant Retrofit/ Upgrade Preliminary Engineering Report

Buchanan County Public Service Authority, Buchanan County, Virginia.

Bland Correctional Center Wastewater Treatment Plant

English Construction Company, Inc./Virginia Department of Corrections, Bland County, Virginia. Project Engineer.

Conaway/Big Rock Wastewater Treatment Plant

Buchanan County Public Service Authority, Buchanan County, Virginia.

Haysi Wastewater Treatment Plant

Dickenson County Public Service Authority, Dickenson County, Virginia. Project Engineer.

Wastewater Treatment Plant Rehabilitation

Town of Pound, Virginia. Project Engineer.

River North Correctional Center Wastewater Investigation

Virginia Department of Corrections, Independence, Virginia. Design Engineer.



Matthew W. Peters

PROJECT ENGINEER

Matthew Peters is a 2010 graduate of Bluefield State College receiving a Bachelor of Science Degree in Civil Engineering Technology, and a 2009 graduate of the same institution receiving a Bachelor of Science Degree in Architectural Engineering Technology. He has 10 years of experience in the design and construction of engineering projects.

As the Lead Civil Engineer, Matthew will gather and evaluate project data, provide recommendations, and oversee the design details and construction documents.

The following is a sampling of his project-related experience:

EDUCATION & TRAINING

- Bachelor of Science, Civil Engineering Technology, Bluefield State College, 2010
- Bachelor of Science, Architectural Engineering Technology, Bluefield State College, 2009

CONTACT INFORMATION

Thompson & Litton
 1105 Mercer Street
 Princeton, West Virginia 24740
 Phone: 304-425-9555
 Fax: 304-425-9557
 E-mail: mpeters@T-L.com

Scott Street Parking

Bluefield, West Virginia. Project Engineer.

Big Bend Public Service District – Water System Expansion

Summers County, West Virginia. Civil Engineer.

Lashmeet PSD - Giatto-Weyanoke Water Extension

Matoka, West Virginia. Civil Engineer.

City of Richwood - Hinkle Mountain and Little Laurel Creek Waterline Extension

Nicholas County, West Virginia. Civil Engineer.

City of Richwood - Lynn St. Water Tank Renovation

Nicholas County, West Virginia. Civil Engineer.

City of Welch – Contracts 8B, 8C, 8D Stormwater/Sanitary Separation Projects

McDowell County, West Virginia. Civil Engineer.

City of Welch – North Welch Wastewater Expansion

McDowell County, West Virginia. Civil Engineer.

Town of Alderson – Wastewater Treatment Plant Upgrade

Greenbrier County, West Virginia. Civil Engineer.

City of Princeton – Wastewater Treatment Plant Upgrade

Mercer County, West Virginia. Civil Engineer.

White Oak PSD – WWTP Upgrade

West Virginia. Civil Engineer.

Town of Alderson - Wastewater Treatment Plant Upgrade & Lift Station Replacements

Alderson, West Virginia. Civil Engineer.

Center Public Service District - Sycamore Avenue/Rock Castle Creek Sewer

Pineville, West Virginia. Civil Engineer.

Welch Sanitary Board - North Welch Sewer

Welch, West Virginia. Civil Engineer.

Mercer Co. Board of Education - Matoaka School WWTP Replacement - Additional Services

Mercer County, West Virginia. Civil Engineer.

Bluefield High School – Layout for Softball Field Lights

Bluefield, West Virginia. Civil Engineer.

Montcalm High School – Layout for Softball Field Lights

Montcalm, West Virginia. Civil Engineer.

Princeton Middle School – Elevation Control for Hallway Floor Slab Leveling Project

Princeton, West Virginia. Civil Engineer.



Steven R. Farris, PE
DIRECTOR OF BUILDING SERVICES

Steve Farris, PE, is a 1990 graduate of Tennessee Technological University receiving a Bachelor of Science Degree in Mechanical Engineering, with 28 years of experience, and was the lead engineer and President of SEDA, Inc., before merging with T&L. He began his career in the mechanical contracting field gaining hands on insight into all aspects of the design and function of mechanical systems.

Steve has served as design engineer and project manager on a broad range of projects including educational, institutional, commercial and industrial facilities. Steve has performed energy audits for various building types and has earned his Certification as an Energy Manager.

The following is a sampling of his project-related experience:

EDUCATION & TRAINING

- Bachelor of Science, Mechanical Engineering, Tennessee Technology University, 1990

REGISTRATIONS

- Professional Engineer: TN, 1997
- Professional Engineer: NC, 1997
- Professional Engineer: GA, 2000
- Professional Engineer: KY, 2000
- Professional Engineer: SC, 2001
- Professional Engineer: WV, 2001
- Professional Engineer: VA, 2001

CERTIFICATIONS

- Certified Energy Manager, Association of Energy Engineers (9037)
- NCEES (19327)

PROFESSIONAL AFFILIATIONS

- American Society of Heating Refrigerating and Air-Conditioning Engineers
- National Fire Protection Association

CONTACT INFORMATION

Thompson & Litton, Inc.
9816 West Andrew Johnson Highway
Mosheim, Tennessee 37818
Phone: 423-422-2110
Fax: 423-422-2111
E-mail: sfarris@T-L.com

Town of Rocky Mount - Scuffling Hill Sewer Improvements
Rocky Mount, Virginia. Mechanical Engineer.

City of Waynesboro - Sewer Collection System CIP
Waynesboro, Virginia. Mechanical Engineer.

Water Supply from Greater Tazewell WTP to Pocahontas - Final Design

Tazewell County, Virginia. Mechanical Engineer.

Raw Water Intake - Lightning & Surge Report

Washington County Sewer Authority, Abingdon, Virginia.
Mechanical Engineer.

Floyd County BOS - Water Tank Replacement

Floyd County, Virginia. Mechanical Engineer.

Berkeley Water Phase A Improvements

Dewberry, Berkeley County, West Virginia. Mechanical Engineer.

Ballenger Elevated Water Tank

Dewberry, Frederick, Maryland. Mechanical Engineer.

Tennessee High School Domestic Water Line

Bristol Tennessee Board of Education, Bristol, Tennessee.
Mechanical Engineer.

Town of Pocahontas - Exhibition Mine & Museum Improvements (AML Application Assistance)

Pocahontas, Virginia. Mechanical Engineer.

Department of Mines, Minerals and Energy's Facility - Chiller/Boiler Replacement-Additional Services

Trane Commercial Systems, Big Stone Gap, Virginia. Mechanical Engineer.

Holston View Elementary HVAC Replacement

Bristol Tennessee Board of Education, Bristol, Tennessee,
Mechanical Engineer.

Holston View Elementary School Kitchen Hood Replacement

Bristol Tennessee Board of Education, Bristol, Tennessee.
Mechanical Engineer.

TJohn Sevier Middle School Renovation and Expansion

Kingsport, Tennessee, Mechanical Engineer.

West Side Elementary School Addition

Elizabethton, Tennessee. Mechanical Engineer.



EDUCATION & TRAINING

- Bachelor of Science, Electrical Engineering, Virginia Polytechnic Institute and State University, 2002

REGISTRATIONS

- LEED AP, 2006
- Professional Engineer: VA, 2007
- Professional Engineer: TN, 2015
- Professional Engineer: WV, 2015
- Professional Engineer: KY, 2015

PROFESSIONAL AFFILIATIONS

- Illuminating Engineering Society of North America

CONTACT INFORMATION

Thompson & Litton, Inc.
P.O. Box 1369
121 East Main Street
Chilhowie, Virginia 24319
Phone: 276-646-5050
Fax: 276-646-5040
randerson@T-L.com

Russell M. Anderson, PE, LEED AP

LEAD ELECTRICAL ENGINEER

Russell Anderson, PE, LEED AP, is a 2002 graduate of Virginia Tech, receiving a Bachelor of Science Degree in Electrical Engineering with a minor in Mathematics. Rusty has 18 years of experience, and works in T&L's Chilhowie office. He has significant experience with the design of electrical and control systems associated with water and wastewater infrastructure. He has worked on many pumping and treatment projects throughout Virginia.

His primary responsibilities include design, layout and specifications preparation for the following: interior and exterior building lighting, facility power delivery and distribution, motor control design, lightning protection systems, grounding systems, fire alarm system layouts, security systems, controls/instrumentation, SCADA systems, and telecommunications layout.

Rusty also has experience in cost estimating, load calculations, voltage drop calculations, short current calculations, lighting modeling and calculations, lightning risk calculations, arc fault calculations, breaker coordination, plan and construction review for code compliance and has experience with LEED design on various projects.

The following is a sampling of his project-related experience:

Dry Town/Ramey/Co. Farm Sewer Line Ext

Town of Tazewell, Virginia.

Tazewell to Divides Sewer Extension (Phase I - Landfill Service Area)

Tazewell County Public Service Authority, Tazewell, Virginia.

Conaway/Big Rock Wastewater Treatment Plant

Buchanan County Public Service Authority, Buchanan County, Virginia.

Wastewater Treatment Plant Upgrade/Expansion and Outfall

Dewberry & Davis, Oxford, North Carolina. Electrical Engineer.

Anaerobic Sludge Biogas Cogeneration Facility

Town of Wytheville, Virginia. Electrical Engineer.

Brambleton Pump Station

Loudon County Water Works, Loudon County, Virginia.

Breaker Coordination Study

Lower North Tiger River Wastewater Treatment Plant, Spartanburg, South Carolina. Electrical Engineer.

Castlewood Sewer

Castlewood Water & Sewage Authority, Castlewood, Virginia. Electrical Engineer.

Dickenson County High School Consolidation Waste Water Treatment Plant Outfall Line

Perkins + Will. Dickenson County, Virginia.

Genicom Sewage Pump Station Electrical Upgrades/Replacements

City of Waynesboro, Virginia.

Jones Addition Sewage Pump Station Modifications

Town of Lebanon, Virginia.

Oak Hill Sanitary Sewer Pump Station

City of Waynesboro, Virginia. Electrical Engineer.

Rife-Loft Pump Station Electrical Upgrades/Replacements

City of Waynesboro, Virginia.



Keli Ratcliffe, CPSM

CLIENT & COMMUNITY DEVELOPMENT MANAGER

Keli Ratcliffe, CPSM, offers more than 15 years of experience in the development and implementation of strategic communication programs. Keli possesses a thorough knowledge of public and stakeholder activities supporting local government projects. She has successfully represented project teams at community events, facilitated workshop discussions, and managed the preparation of informational materials, websites, study documents, and project resource centers. She has successfully demonstrated her communication skills through numerous venues including written information, websites, marketing materials, and graphic displays. She assists clients in identifying funding opportunities as well as writing and submitting funding applications.

Keli coordinates with the Regional Planning and Development Councils and various funding agencies on T&L clients' behalf.

The following is a sampling of her additional project related experience:

EDUCATION & TRAINING

- Bachelor of Arts, English / Communications Minor, Virginia Tech, 2004

PROFESSIONAL AFFILIATIONS

- Certified Professional Services Marketer 2008
- Past President of the Blue Ridge Chapter of the Society for Marketing Professional Services
- Public Relations Society of America Member since 2006

CONTACT INFORMATION

Thompson & Litton, Inc.
726 Auburn Avenue
Radford, Virginia 24141
Phone: 540-633-1897
Fax: 540-633-1896
kratcliffe@T-L.com

Feasibility Study for Water Department Improvements & Construction of Sewer System

Town of Davy, West Virginia. Assistant Project Manager/Funding.

White Oak PSD - Wastewater Treatment Plant Solids Handling Upgrade -White Oak Public

Service District, Scarbro, West Virginia. Assistant Project Manager/Funding.

Brenton-Baileysville and Double Camp Road Waterline Extension

Town of Pineville, West Virginia. Assistant Project Manager/ Funding.

West Virginia Region 1 & 4 Broadband Study

Wyoming County Commission, Pineville, West Virginia. Communications Manager/Graphic Manager.

Greenbrier Valley Economic Development Corporation, Site Assessment and Renderings

Maxwelton, West Virginia Grant Writer/Assistant Project Manager.

Website Development and AEROReady Marketing Materials

Greenbrier Valley Economic Development Corporation Maxwelton, West Virginia. Website Designer/Project Manager.

Downtown Revitalization

Town of Rural Retreat, Virginia. Public Information /Funding Specialist.

Data Collection & Public Information

Monroe County, West Virginia. Public Information Manager.

Back of the Dragon Overlook

Smyth County, Virginia. Public Information Manager.

Rural Retreat Multiphase Sidewalk Project

Rural Retreat, Virginia. Public Information Manager.

Wytheville Heritage Walk

Wytheville, Virginia. Public Information Manager.

VDOT TA Grants

Various Communities in Virginia. Grant Writer.



References

Oakvale Road Public Service District
Ms. Pamela Browning, General Manager
P.O. Box 1061
Princeton, West Virginia 24740
304-487-2750

Mr. George Dean
Town of Pound
P.O. Box 880
Pound, Virginia 24279
276-796-5188

Town of Alderson
Mayor Travis Copenhaver
P.O. Box 179
Alderson, West Virginia 24910
304-445-2916

Mr. Brian McReynolds
City of Waynesboro
503 West Main Street, Suite 203
Waynesboro, Virginia 22980
540-942-6546

City of Welch
Ms. Reba Honaker, Mayor
88 Howard Street
Welch, West Virginia 24601
304-436-3113

Mr. Dahmon Ball
Tazewell County Public Service Authority
P.O. Box 190
North Tazewell, Virginia 24630
276-988-2243



Copies of staff certifications.



Please find T&L's Director of Site/Civil Engineering's engineering license information below.

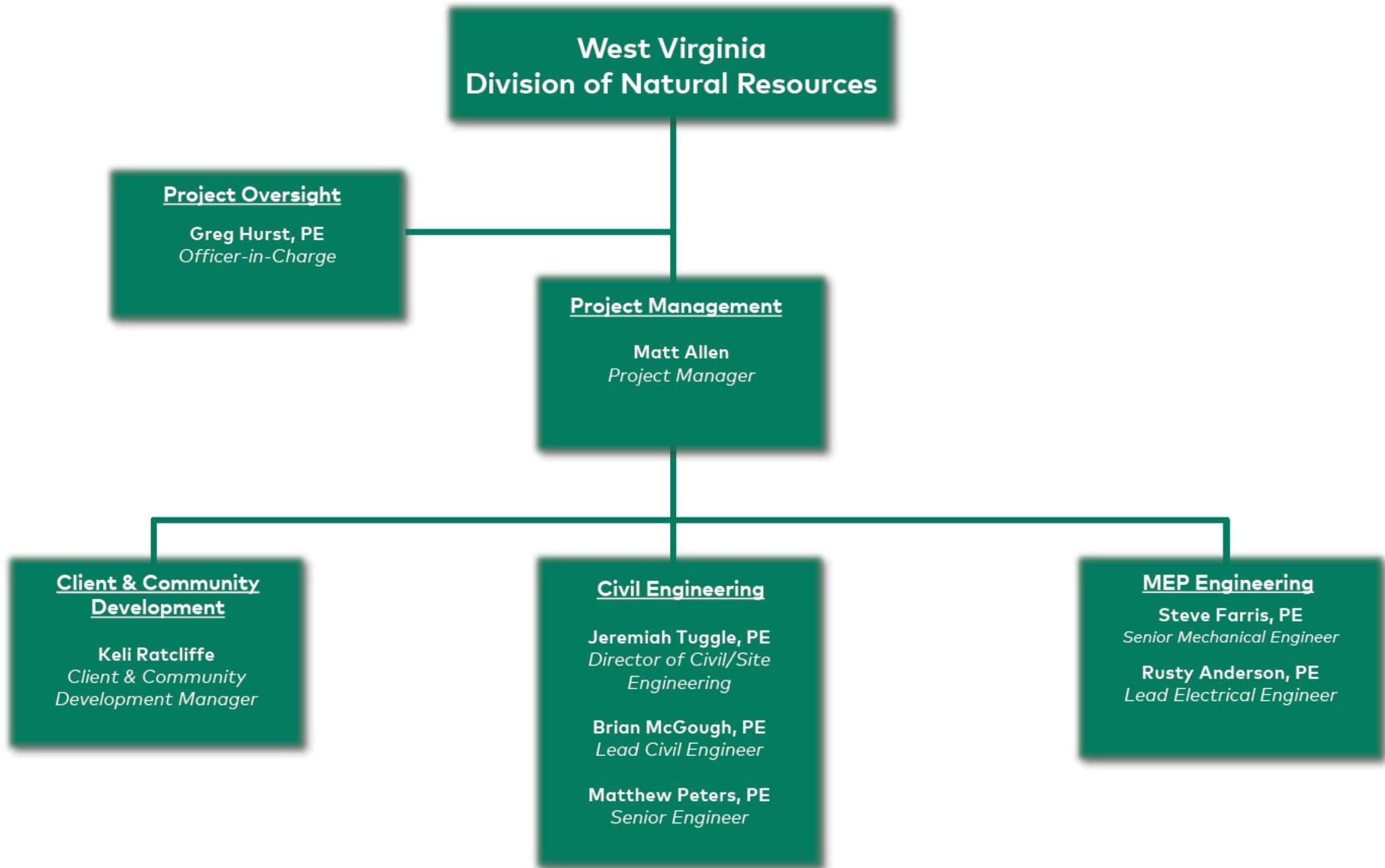
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Search: Details

Name:	JEREMIAH WESLEY TUGGLE
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 08/24/2015
	PE Expiration Date: 12/31/2020
Continuing Education Claim:	Qualifying Hours from Last Renewal or Reinstatement: 33 00
	Carryover Hours for Next Renewal: 3 00
	Last Renewal or Reinstatement Date*: 12/27/2018
WV Engineer Intern:	EI Certification Number: [REDACTED]
	EI Issue Date: 01/11/2011
Primary Address of Record:	[REDACTED]
Primary Employer of Record:	THOMPSON & LITTON 726 AUBURN AVENUE RADFORD, VA 24141
	* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may not be used for future renewals.

This data was retrieved on 2/18/2019

Proposed Staffing Plan





05

Descriptions of past projects.

Please find descriptions of T&L's similar past projects on the following pages.



"I'm grateful for my team of architects, engineers, and contractors; I'll take that team and put them up against anybody, anywhere, any day. It's been a tremendous effort on every front."

– Steve Johnson, Developer

NOTABLE PROJECT DELIVERY FEATURES

- Private Client
- Fast-Track Design-Build
- Multiple Entity Coordination
- Evolving Project Scope
- Frequent Schedule Changes

SERVICES

T&L: Architectural Design, Engineering Design (Civil/Site, Transportation, Structural, Mechanical, Electrical, and Plumbing), and Surveying

SIZE

1,000,000 SF

CONSTRUCTION COST

\$150,000,000

COMPLETION DATE

Under Development

REFERENCE

Bill Prince, President
BurWil Construction Company
P.O. Box 637
Bristol, TN 37621
(423) 968-4158





T&L, working as a sub-consultant to BurWil Construction Company on this design-build project, provided architectural, mechanical, electrical, plumbing, structural, fire protection and civil design services for the Plaza Shops, a 53,200 SF group of six buildings, housing eighteen retailers, as part of the overall Pinnacle Development in Bristol, Tennessee. Design work provided by T&L included the design of the entire 'cold dark shell', plus additional design for 'white box' and 'tenant improvement' for individual retailers.

T&L, working as a sub-consultant to Williams Blackstock Architects on this design-build project, provided mechanical, electrical, plumbing, fire protection, and civil design services for the Power Shops (136,000 SF), the Tower Shops (63,000 SF), and the Crescent Shops (67,000 SF), also all part of the overall Pinnacle Development in Bristol, Tennessee. Also, as with BurWil Construction Company, design work provided by T&L included the design of the entire 'cold dark shell', plus additional design for 'white box' and 'tenant improvement' for individual retailers.

The Pinnacle is designed to accommodate over 1,000,000 SF of retail, restaurant, hotel and medical office space.

Specific civil engineering design services provided by T&L on this project included the following:

- Designing the site plan, erosion & sediment control plan and stormwater management plan for the 250 acre mixed use development site;
- Designing Pinnacle Parkway - one mile of four lane boulevard type roadway with a raised grass median, sidewalks, lighting, three signalized intersections (PB) and a four leg two lane roundabout;
- Designing the South Loop road connection from Pinnacle Parkway to Holiday Drive;

- Designing 11,000 linear feet of 8-inch gravity sanitary sewer to serve the development;
- Designing 12,400 linear feet of 12-inch, 8-inch and 6-inch water line to serve the development;
- Designing a 300,000 gallon water storage tank for The Pinnacle development and for Bristol, Tennessee;
- Designing the storm drainage system for the Parkway and the retail development;
- Designing two regional stormwater management basins - one 2-acre retention basin that will be utilized for both aesthetics (City Park) and for stormwater management and one micro pool detention basin that will be utilized for stormwater management;
- Coordination with TDOT for road improvements at Route 11W;
- Coordination with BTES for underground power along the Parkway and within the development;
- Coordination with ATMOS for gas service along the Parkway and within the development.

Specific electrical engineering design services provided by T&L on this project included the following:

- Designing the exterior lighting along the Parkway;
- Designing the exterior parking lot lighting for the retail development;
- Coordination with BTES for electrical service feeds for the retail development.

This project also included coordination with the Contractor, City of Bristol, Tennessee, Architects, Landscape Architects, Tennessee Department of Environment and Conservation (TDEC) and Washington County, Virginia.

Related Prior Experience (Continued)



Virginia Creeper Trail
Washington County, Virginia



Cranesnest Trail
Dickenson County, Virginia



Damascus Creeper Trail
Campground
Damascus, Virginia

T&L has provided architectural/engineering services on the development of trail systems, outdoor recreation infrastructure, outdoor open space design, farmer's markets, downtown revitalization, rehabilitation projects, and projects involving historic structures. A list of T&L's similar projects can be found below:

- Virginia Creeper Trail Enhancements and Alvarado Station Restoration – Washington County, Virginia
- Cranesnest Hiking/Biking/Horseback Trail – Dickenson County, Virginia
- Radford City Schools - Bobcat Trails
- Town of Cleveland – Outdoor Recreation and Design Services PER/PAR
- Independence Pedestrian and Bike Trail Phase I – Grayson County, Virginia
- Independence Pedestrian and Bike Trail Phase II – Grayson County, Virginia
- Pocahontas State Trail – Tazewell County, Virginia
- Beaver Dam Creek Trail & Bridge Project – Washington County, Virginia
- Damascus Creeper Trail Campground, Damascus, Virginia
- Tazewell Riverwalk – Tazewell County, Virginia
- Bush Mill Rehabilitation – Scott County, Virginia
- Town of Wise – Big Glades Community Square and Facade Improvements
- Town of Tazewell - Lincolnshire Park Phase I Improvements
- City of Norton - Downtown Revitalization and Farmer's Market
- Town of Coeburn - Downtown Revitalization and Farmer's Market
- Town of Rocky Mount - Downtown Revitalization
- Town of Galax - Downtown Revitalization
- Town of Tazewell - Downtown Revitalization
- Town of Fries - Downtown Revitalization
- Town of Independence - Downtown Revitalization
- Trail of the Lonesome Pine Outdoor Drama Improvements
- Town of Blacksburg - Main Street Improvements
- Town of Abingdon - Walden Road Pedestrian Improvements
- Town of Nickelsville - Pedestrian Bridge

With our experience, you can be assured that we will focus on your most important needs. We know what to look for and how to address it. T&L can provide colorful and creative solutions at a value that cannot be matched. Our success can be seen in the success of the communities we have served.

Descriptions for a sampling of these projects can be found on the following pages.

Pocahontas Trail System

Hill Studio, PC
120 West Campbell Avenue
Roanoe, Virginia 24011

Mr. David Hill
President
540-345-5265

T&L was selected to provide engineering consulting services to Hill Studio, PC, for the Historic Pocahontas Multi-Use Trails. The design services were utilized in the implementation of Phase 1 of the Multi-Use Trail located in Pocahontas, Virginia and includes the design of a Multi-Use Trail from the entrance of Tunnel No. 2 to the Historic Pocahontas Exhibition Mine area along an abandoned Norfolk Southern Railway Line. Other services include the beautification and signage of the area surrounding the trail to distinguish it both as a historic area and to the entrance to the mine with all lighting and rest areas.

Phase I will begin in the Town of Pocahontas Historic District and meander along the ridges and valleys of Reedsville Hollow. Phase II will be accessible from a Boissevain Park Trailhead. That access point parallels Haynes Branch and the scenic ridges above. Phase III anticipates adding an additional 50 miles to the west of Phase II.

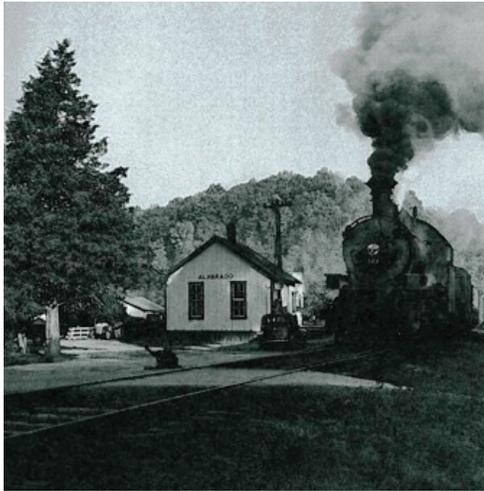


The Virginia Creeper Trail Enhancements - Alvarado and Watagua Area of the Trail

Town of Abingdon

P.O. Box 789
Abingdon, Virginia 24212

Mr. Kevin Worley
Director of Parks and Recreation
276-623-5279



Old Train Depot



Replica Train Depot at
Alvarado Section of the Trail



Virginia Creeper Trail

The Virginia Creeper Trail Enhancement project consisted of two-phases located at two separate locations along the Virginia Creeper Trail. The Alvarado Depot project was comprised of ADA compliant restroom facilities and an all-purpose room housed in a replica train depot that resembles the Green Cove Station. In addition, additional parking spaces were provided. T&L's services at Alvarado included:

- Architectural Design
- Structural Engineering
- MEP Engineering
- Civil Site Planning
- Surveying
- Erosion & Sediment Control Plan; Stormwater Pollution Prevention Plan
- Preparation of NEPA Documents and Phase I Environmental Site Assessment
- Bid Phase Assistance
- Construction Contract Administration

The Alvarado Depot project was completed in 2011 with a total construction cost of \$259,353.

The Watauga Parking and Restroom Project includes a 23-space parking lot, restroom facility, and an access road. This project will improve safety by separating the parking area from the trail and controlling access to the parking lot after hours. T&L is providing the following services for the project:

- Civil Engineering
- Surveying
- Preparation of NEPA Documents and Phase I Environmental Site Assessment
- U.S. Army Corp of Engineers Jurisdictional Waters Delineation
- Property Acquisition Assistance
- Erosion & Sediment Control Plan; Stormwater Pollution Prevention Plan
- Bid Phase Assistance
- Construction Contract Administration

The Watauga Parking and Restroom Project was completed in October 2019. The construction cost of the project is estimated at \$335,000.

Both projects are funded through the VDOT Transportation Enhancement Program



Big Glades Community Square & Façade Improvements

T&L was selected by the Town of Wise, Virginia to provide Architectural/Engineering services in relation to the Big Glades Community Square and Façade Improvements project.

The project includes creek restoration, construction of an outdoor stage/amphitheater, colonnade, sidewalks, and landscaping as well as facade improvements for businesses participating in the façade improvements program. T&L services include programming, preliminary and final design, civil engineering, landscape design, as-constructed record drawings, as well as necessary permitting, topographic surveying, and geotechnical services.

The \$1 Million project was completed in August 2011.





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Oakvale Road PSD Water Project Experience

Location: Mercer County, West Virginia

Project 1: I 77/U.S. Route 460 Economic Development Project Study, Design Construction Administration and Inspection
150,000 gallon water storage tank
Distribution lines to serve private industrial development and tourist center with booster station system to be operated by WV American Water Company

Est. Cost: \$1,300,000

Status: Complete

Project 2: Mercer/Summers Phase IV-A Waterline Extensions – Over 25 miles of 2" through 12" waterlines with appurtenances, pressure reducing stations, booster station and water storage tank. Service to 407 new customers

Est. Cost: \$6.4 Million

Status: Completed 2012

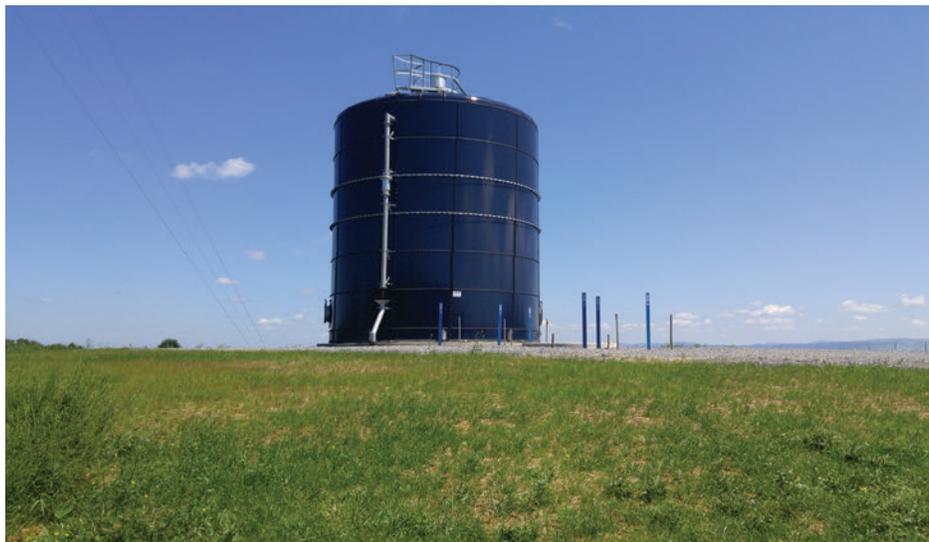
Project 3: Mercer/Summers Phase IV-B Waterline Extension – 13 miles of 2" through 10" waterlines with appurtenances, pressure reducing and booster stations and water storage tank. Service to 128 new customers

Est. Cost: \$2.6 Million

Status: Partial Substantial Completion Achieved

Address: Mercer County Courthouse
Princeton, West Virginia 24740

Contact: Ms. Pam Young, 304-487 2750



Oakvale Road Public Service District

P.O. Box 1061

Princeton, West Virginia 24740

Phone: (304) 487-2750 • Fax: (304) 487-5424



February 11, 2019

Stacy Fowler, P.E.
Stafford Consultant's Incorporated
P.O. Box 5849
Princeton, WV 24740

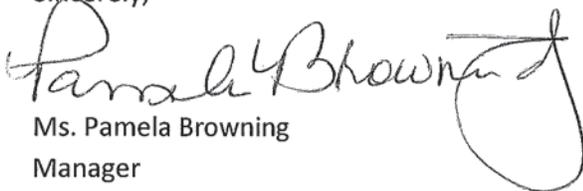
Dear Stacy,

Thank you for all the hard work you put forth in the Mercer Summers Water projects for Oakvale Road Public Service District; you have gone above and beyond to ensure our projects see completion, and I look forward to working with you on our sewer extension project.

Through the dedication of all the staff at Stafford Consultant's Inc.; our projects have been completed in a timely manner and have always been under budget, which has allowed us to serve additional customers at the end of the project. The knowledge and professionalism your firm displays has been invaluable to me; all questions and concerns were addressed in a manner to ensure Oakvale Road PSD could make an informed decision which kept the project moving forward.

Again, thank you for all you do, it is greatly appreciated and we look forward to working with you on future projects.

Sincerely,



Ms. Pamela Browning
Manager



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City of Welch Water Project Experience

Location: Welch, West Virginia

Project 1: Welch Water Treatment Plant Upgrade. The project called for removal of the existing roof and installation of a new roof, replacement of the existing electrical system, demolition of three pressure filters, installation of a 4-cell gravity sand filter, replacement of two high service pumps, HVAC upgrades. In addition, the project also called for installation of approximately 7,000 LF of 12" PVC AWWA 200 water main, valves, hydrants, air release valves, service lines and reconNECTIONS, and all appurtenances.

Est. Cost: \$3,000,000

Status: Completed May 2017



Project 2: McDowell Street/Riverside Drive Waterline Replacements Design, Construction Administration & Inspection Approximately 4,609 feet of 12", 10", 8", and 6" water main along McDowell Street
Approximately 5,732 feet of 12", 10", 8", 6", and 2" water main along Riverside Drive

Est. Cost: \$3,400,000

Status: Starting Construction

Project 3: Indian Ridge Industrial Park Water Infrastructure
Four contracts totaling over \$7M in costs. 6.5 miles of 2" – 16" new waterlines, two 500,000 gallon water storage tanks, and two water booster stations. 434 new meter settings.

Est. Cost: \$3.6M Bid Cost

Status: Completed

Project 4: Miscellaneous Water Storage Tank Replacement & Renovations
300,000 gallon ground storage tank, 130,000 gallon ground storage tank, demolition of existing water storage tank, sandblasting and painting of existing 100,000 and 20,000 gallon water storage tanks, rehabilitation of existing 400,000 gallon water treatment reservoir

Status: Completed

Address: 88 Howard Street
Welch, West Virginia 24801

Contact: Mayor Reba Honaker (304) 436-3113
Mr. Jack Whittaker (304-320-1084)





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City of Princeton Wastewater Project Experience

Location: Mercer County, West Virginia

Project: Phase I - Upgrade of wastewater treatment plant, including new clarifiers, solids handling and treatment units.
Phase II - Expansion of wastewater treatment plant.

Est. Cost: \$1,200,000 - Phase I
\$7,000,000 - Phase II

Status: Phase I - Complete
Phase II - Currently in Design

Contact: Mr. Mike Saffel, Former General Manager (304) 921-2999

Address: Princeton Sanitary Board
South Wickham Avenue
Princeton, West Virginia 24740





City of Welch Wastewater Project Experience

Location: Welch, West Virginia
Project: Complete Design and Construction period services for a wastewater collection system extension to serve the Tom's Mountain area.

Est. Cost: \$1,300,000
Status: Complete

Contact: Mayor Reba Honaker (304) 436 3114
Address: 88 Howard Street
Welch, West Virginia 24801

Location: Welch, West Virginia
Project: Complete Design and Construction period services for new wastewater collection system and treatment plant for city and surrounding areas to achieve compliance with Federal Consent Decree.

Est. Cost: Phase I \$13,100,000
Status: Operational 1998

Est. Cost: Phase II \$8,000,000
Status: Complete

Contact: Mayor Reba Honaker (304) 436 3114
Address: 88 Howard Street
Welch, West Virginia 24801





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Center PSD Wastewater Project Experience

Location: Wyoming County, West Virginia
Project: Wastewater Plant Improvements including new decanters and UV disinfection system.
Est. Cost: \$300,000
Status: Complete
Contact: Mr. Brian Alred, Manager (304) 732-8236
Address: Box 760
Pineville, West Virginia 24874

City of Hinton Wastewater Project Experience

Location: Summers County, West Virginia
Project: Sandstone Sewer System. Includes gravity sewer system and new wastewater treatment plant to serve the Sandstone community and National Park Service Visitor Center.
Est. Cost: \$1,400,000
Status: Complete
Contact: Mr. Joe Blankenship, Mayor (304) 466-3255
Address: City of Hinton
322 Summers Street
Hinton, West Virginia 25951



Barker's Creek Industrial Park Wyoming County, WV

Wyoming County EDA
506A River Road
P.O. Box 1828
Pineville, West Virginia 24874

Christy Laxton
Executive Director
304-732-6707

Thompson & Litton (formerly Stafford Consultants) provided professional services for a waterline relocation and sanitary sewer collection design for the site development of a 10.6 Ac. parcel purchased by the Wyoming County Economic Development Authority. Parcel located between Barkers Creek and the Norfolk Southern Railroad.

Final site included:

- 6 compacted gravel surface building pads, varying in size from 3,670 SF to 12,320 SF.
- Compacted gravel parking lots located between the pads.
- Sanitary sewer collection system consisting of 14 manholes (7 with stubouts for future building connections) and 1,450 LF of 6" and 8" PVC pipe.
- 1,960 SF. Eljen sand filter septic absorption field.
- 2 fire hydrants.
- Paved access road.
- Remediation of an area of heavy metal contamination and an area of petroleum contamination.





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Sun Mine Road Widening



The project site is located at the intersection of US Route 19 and Sun Mine Road, approximately 1 mile southwest of the town of Glen Jean in Fayette County, West Virginia. Design for the construction of a 750 foot long turn lane along US-19 southbound onto Sun Mine Road. The new turn lane incorporated the existing shoulder, as well as a 6 ft expansion over the existing slope.



Coalfield Expressway

The Coalfields Expressway (US Route 121) project is a proposed expressway owned by the Virginia Department of Transportation (VDOT) connecting portions of extreme Southwest Virginia from Route 23 in Pound located in Wise County, Virginia to the West Virginia state line just north of Buchanan County, Virginia stretching 51 miles across Buchanan, Dickenson, and Wise Counties. The towns and communities in these areas currently have poor access to a modern highway system as a result of the mountainous terrain characterized by steep ridges and narrow valleys indigenous to the region. The Coalfields Expressway (CFX) is a project that would allow, with the implementation of a four lane highway, portions of extreme Southwest Virginia access to outlying commercial prospects.

T&L was retained by Kellogg, Brown & Root in August 2002 as a subconsultant for Roadway Engineering in the development of the Coalfields Expressway. Specifically, T&L provided extensive roadway design engineering for Section A; coordination of a utilities relocation plan, including field inspections and utility relocation plans for water and sewer for Section A and coordination with local utility companies; property and other related surveying; mine mapping; and Preliminary Engineering and Mine Evaluations for Sections B & C of the highway.

T&L is providing Construction Management services to the Virginia Department of Transportation (VDOT) associated with the U.S. Route 460 Connector Phase II Project in Buchanan County, Virginia. The approximate \$108 Million project consists of 6.2 miles of 4-lane divided highway constructed to rough grade. Features of the project include Coal Synergy which allows the contractor and VDOT to share in the value of incidental coal encountered within the project limits. The Coal Synergy feature is coordinated through the Virginia Department of Mines, Minerals, and Energy (DMME) by means of a Government Financed Exemptions (GFE) permits in accordance with all federal and state legal requirements. In addition, certain roadway embankments are being constructed in accordance with DMME regulations for disposal of excess spoil in valley fills, head of hollow fills, and durable rock fills. The project is scheduled for completion in the summer of 2018.



As the engineer of hundreds of wastewater and water projects, T&L has a vast database of actual project costs and schedules that provide an invaluable resource in the establishment of reasonable cost expectations and time requirements early in the planning process. Regarding project budgets, T&L is careful to allocate realistic project contingencies, adjustments for inflation, consideration for the size and complexity of the project (constructability), adjustments for the construction market depending on economic considerations, and adjustments of project costs during the design should the scope of the project change. Additionally, T&L gives careful thought to the development of project bid formats (unit cost versus lump sum, add alternates, etc...). Once a project budget has been established, we embrace this figure as another design component equal in importance to other project objectives. T&L is proud of the track record we have established regarding the successful bid day performance of our water and wastewater projects. However, this success is not accidental, and all parties involved with the design process can share the credit, especially our clients.

In the past five years, T&L completed 22 sewer projects involving both collection and treatment. A summary of these projects is as follows:

- Total Engineers Estimates are \$30.192 Million
- Total Low Bid Amounts are \$25.846 Million
- Total Award Amounts are \$25.846 Million
- Total Award Amounts were 14.4% below Total Engineers Estimates

In the past five years, T&L completed 51 water projects varying in size and complexity. A summary of these projects is as follows:

- Total Engineers Estimates were \$63.310 Million
- Total Low Bid Amounts were \$58.602 Million
- Total Award Amounts were \$58.699 Million
- Total Award Amounts were 7.8% below Total Engineers Estimates



08

History of projects that have been constructed in the time allotted.

The table shown on the following pages indicates a wide-variety of projects completed in the past several years. T&L takes great care in the development of project schedules for our clients. T&L is proud of the track record we have established regarding the successful performance of our projects. However, this success is not accidental and all parties involved with the design process can share the credit, especially our clients. Once a project schedule has been established, we embrace this as another design component equal in importance to other project objectives.

Project	Client & Contact	Schedule Performance	
		Estimated Completion Date	Actual Completion Date
Water Plant Rehabilitation	Town of Wise P.O. Box 1100 Wise, VA 24293 Beverly Owens, Town Manager 276-328-6187	05/14/2016	05/14/2016
Clinchco/Centennial Heights Sewer Force Main	Dickenson County Public Service Authority P.O. Box 619 Clintwood, VA 24228 Ron Phillips, Executive Director 276-835-1580	10/17/2015	09/28/2015
Hix Orchard Water Line Replacement	Wise County Public Service Authority P.O. Box 3388 Wise, VA 24293 Wayne Watts, Director of Project Development 276-679-1263	06/04/2017	05/16/2017
Water Supply from Greater Tazewell Water Treatment Plant to Pocahontas	Town of Tazewell P.O. Box 608 Tazewell, Virginia 24651 Todd Day, Town Manager 276-988-2501	12/07/2015	12/03/2015
Water Meter Replacement	Town of Tazewell P.O. Box 608 Tazewell, Virginia 24651 Todd Day, Town Manager 276-988-2501	08/03/2016	08/03/2016
Wells-Boone/Guest River Road Sewer Line Extension	Wise County Public Service Authority P.O. Box 3388 Wise, VA 24293 Wayne Watts, Director of Project Development 276-679-1263	11/27/2015	11/17/2015
City of Waynesboro Wastewater CIP I/I Projects S-7A, S-8 and S-9	City of Waynesboro 503 West Main Street Waynesboro, VA 22980 Brian McReynolds, Public Works Director 540-942-6546	06/26/2015	06/29/2015
Frying Pan Water Project	Dickenson County Public Service Authority P.O. Box 619 Clintwood, VA 24228 Ron Phillips, Executive Director 276-835-1580	10/01/2015	09/04/2015
Hurley Regional Water Phase V	Buchanan County Public Service Authority P.O. Box 30 Vansant, VA 24656 Greg McClanahan, Executive Director 276-935-5827	04/23/2016	03/24/2016
Lynn Camp Water Line Extension	Buchanan County Public Service Authority P.O. Box 30 Vansant, VA 24656 Greg McClanahan, Executive Director 276-935-5827	01/17/2016	01/28/2016



History of projects that have been constructed in the time allotted. (Continued)

T&L is prepared to begin work immediately on your project so that the vision of the Division of Natural Resources may become reality as soon as possible. We have the manpower available to perform the work in an efficient and timely manner. We can determine schedules that meet your needs and provide for efficient completion of your project. T&L is currently capable of producing 10,810 man-hours per month. We expect this level of production capability to continue throughout 2021. The overall resources of T&L indicate an availability of man-hours that can be expeditiously dedicated to your project.

On a regular basis, our Project Managers and Technical Department Managers review manpower availability and project demands. A formal review with Principal oversight is conducted monthly. The goal of these reviews is to determine where manpower is needed to keep projects on schedule and to meet client needs. These reviews also aid in anticipating future needs such that resources can be allocated accordingly.

Successfully and swiftly performing on design contracts is a key component of T&L's business model. T&L prides itself on its responsiveness to municipalities. We realize that quite often needs materialize quickly and that responses must be generated in short order. Because we have every major discipline in-house and because our operations are geared to service municipalities in a timely manner, T&L can mobilize our forces quickly to react to dynamic and sometimes urgent needs. Often we can be on-site the same day or within 24 hours to begin addressing whatever issues have arisen.



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Competent and acceptable experience in all expected professional disciplines necessary...



T&L is a full service A/E firm that provides all of the classic basic disciplines for project development in-house. Below is a list of services T&L can provide the Division.

Civil Engineering Services

- Stormwater design
- Subdivision planning and design
- Road and drainage systems
- Water and sewerage systems
- Site preparation
- Site selection and evaluation
- Parking facilities
- Solid waste management facilities
- Flood/dam structures
- Airport facilities
- Recreational facilities
- Right-of-way and easement acquisition
- Environmental assessment & audits/environmental impact studies
- Underground storage tank studies and remediation
- Land use studies
- A/E expert testimony
- Damage reports and investigations
- Value engineering
- Consultation regarding studies and design performed by others
- Other services as needed

Architectural Services

- A/E pre-planning studies
- Space planning and utilization studies
- A/E feasibility studies and preliminary reports
- New construction
- Additions to existing structures
- Renovation of existing structures
- Roof Replacements
- Adaptive reuse of existing structures
- Handicapped accessibility (ADA)
- Energy efficiency analyses
- Building conditions surveys
- Code compliance
- A/E programming
- A/E cost estimating
- Asbestos inspection & abatement design
- Rendering and 3-D modeling

Structural Engineering Services

- Structural evaluation
- Building analysis
- Structural planning & design
- Environmental structures
- Forensic studies
- Pedestrian bridges
- Parking structures
- Renovations
- Utility structures
- Code review
- Construction contract administration
- Other services as needed

MEP Engineering and Fire Protection Services

- Heating, ventilation, and air conditioning systems (HVAC)
- System and energy efficiency studies analyses
- Code compliance and inspections
- Modeling
- Process piping systems
- Environmental systems
- Construction contract administration
- Water/wastewater facilities
- Building analyses
- Electrical study
- Code reviews
- Highway/outdoor lighting design
- Planning and design of plumbing systems
- Process and fluid flow systems
- Alarm and extinguishing systems
- Fire detection and suppression systems
- Lighting protection systems
- Arc flash studies
- Short circuit studies
- Power systems modeling
- Other services as needed

Surveying Services

- GPS surveys
- Topographic surveys
- Property surveys
- Utility surveys
- Highway surveys



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1956

Competent and acceptable experience in all expected professional...(Continued)

Transportation Engineering

- Planning (corridor) studies
- Roadway design
- Right-of-way acquisition
- Roadway & streetscape design
- Bicycle and pedestrian planning and engineering
- Bridge Design (Vehicular and Pedestrian)

Environmental Services

- Stormwater management, including MS4 permitting, inspections of SWM basins, development of BMPs, assistance with TMDL evaluation, and stormwater plan review.

General Planning and Other Services

- Broadband and telecommunications planning services
- Construction and contract management
- Stormwater & E/S Control Plan Review
- Project/site plan review
- Construction engineering and inspections including building conditions surveys, assessments and documentation, and inventory of mechanical systems

Construction Contract Administration

- Pre-Bid estimates
- Bid opening & review of bids received
- Recommendation of contract award
- Pre-construction conference
- Review of contractor pay requests and change orders
- Resolution of contractor questions and inquiries (RFIs)
- Supervision of the resident project representative