



PPEA CONSTRUCTION OF BONSACK FIRE STATION COUNTY OF ROANOKE, VIRGINIA

CONCEPTUAL PHASE PROPOSAL
RFP #2023-020

SEPTEMBER 15, 2022

**BRANCH
BUILDS**

VOLUME I

3635 Peters Creek Road | Roanoke, Virginia 24019
540-989-5215 | branchbuilds.com

September 14, 2022

Mr. Heath Honaker
Purchasing Director
County of Roanoke
5204 Bernard Drive
Roanoke, Virginia 24018

RE: Solicited PPEA Proposals for Construction of Bonsack Fire Station – Conceptual Stage

Dear Mr. Honaker:

Branch Builds, Inc., in partnership with Balzer & Associates and RRMM Architects, is pleased to submit for your review our qualifications to provide professional Design-Build services under the Public Private Education Facilities and Infrastructure Act (PPEA) for a new Bonsack Fire Station. Our full-service Design-Build team offers a wealth of comparable project experience and we have assembled a team of highly qualified professionals for the project.

In preparation, we have spoken to several ‘well-placed’ stakeholders to familiarize ourselves with Roanoke County’s goals and objectives; specifically, how can our team best meet the envisioned public safety facility objectives and standards while respecting all financial objectives. We are optimistic that upon review, you will find we have ably addressed both of these goals.

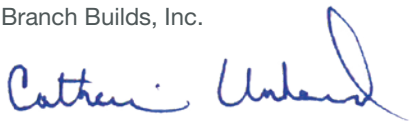
Highlights for consideration:

- The Branch, Balzer & Associates and RRMM team was specifically assembled for this project as each team member offers Roanoke County vast experience designing and constructing public safety facilities, municipal projects and Roanoke County projects as well as unparalleled PPEA design-build project delivery expertise.
- Branch recently completed the new \$10M Reston Fire Station #25 in Reston, VA and was the successful low bidder for the new \$11M Seven Corners Fire Station in Vienna, VA.
- The majority of our projects are managed via collaborative Design-Build or CM@Risk delivery where Branch’s professional preconstruction services are utilized to develop strategically planned, budget adhering projects.
- We understand the complexities of managing the fast-track design and construction of a new public safety facility and have an exceptional track record for safely managing these projects while ensuring adjacent occupied facilities remain undisturbed by our work.
- Having completed work in the Roanoke Valley for almost six decades, our team is afforded valuable knowledge of the local construction market. Additionally, Balzer & Associates currently holds a Term Contract with Roanoke County and has working relationships in place.
- The Branch | Balzer | RRMM team offers a history of successful collaboration when working with strict budget limitations. Our design will be conservative and cost efficient.
- Our team recognizes the significance a new Fire Station in the Bonsack community holds for the County. We fully understand our efforts are on display for the entire community to observe and thus, we all must succeed. We embrace the challenge to excel in this scenario.
- Branch is an employee-owned firm and every member of our team, from the office to the field, has a vested interest in everything we do, every day.

We look forward to the prospect of being a member of the Bonsack Fire Station project team and greatly appreciate your time and consideration of the Branch | Balzer | RRMM team’s professional Design-Build services.

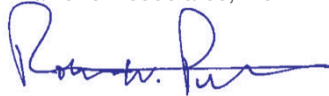
Sincerely,

Branch Builds, Inc.



Catherine Underwood, LEED AP
President & Design-Build Project Manager

Balzer & Associates, Inc.



Robert Pilkington
Senior Vice President & Architect

RRMM



Chris A. Phillips, AIA
Principal





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■ Section includes confidential information provided in **Volume II - Redacted Proprietary Information**



EXECUTIVE SUMMARY

An Accomplished Team of PPEA
Subject Matter Experts, led by an Experienced
Virginia PPEA Design-Build Professional...

...Driven to Ensure Roanoke County
Delivers on Our Shared Commitment to
the Safety of All Roanoke Valley Residents.



Catherine Underwood
President, Branch Builds, Inc.



-Brenda Blackburn
Superintendent, Montgomery County Public Schools
\$107.5M MCPS 3-School PPEA Project

"Cathy, I just wanted to take a moment this morning to share my appreciation for the great team work by Branch to get us to the spectacularly successful opening of both Auburn High School and Blacksburg High School. The feedback from students, parents, staff, and just everyone has been overwhelmingly positive.

I know you all pulled out all the stops to make it happen. Kudos to everyone on the Branch Team! Together we did what many felt was impossible!"

WE BRING FIRE STATION CONSTRUCTION EXPERTISE



Catherine Underwood
President

11 Years of PPEA Experience



Heather Bowman
Project Executive

25 Years of Municipal Experience



Doug Childress
Preconstruction Manager

30 Years of Municipal Experience



Jaime English
Senior Estimator

11 Years of PPEA Experience



Ramy Almansoob
Fire Station Specialist

6 Years of Fire Station Experience



Lewis Smith
Senior Superintendent

45 Years of Municipal Experience



Adam Johnson
Superintendent

11 Years of PPEA Experience



Robert Pilkington
Senior Vice President / Architect
RRMM

24 Years of Municipal Experience



Benjamin Crew
Associate
RRMM

17 Years of Municipal Experience



Matthew Astrin
Public Safety Designer
Balzer & Associates

32 Years of Public Safety Experience

43 Community Engagement Facilities

Over \$1B of Municipal Projects



Reston Fire Station #25

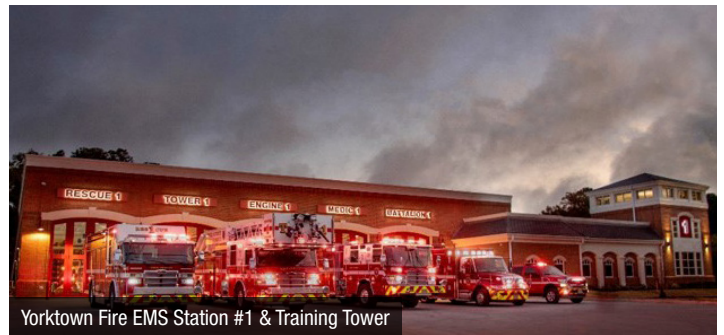


Rockbridge County Courthouse

BENEFIT

An accomplished team of municipal/public safety facility construction professionals with zero learning curve in working together.

PUBLIC SAFETY / MUNICIPAL EXPERTISE



BENEFIT

A team that has extensive successful experience managing the design and construction of critical public safety projects. Community-centric design and construction is our specialty.

PPEA PROJECT DELIVERY EXPERTISE



BENEFIT

A team that has extensive successful experience managing the design and construction of high-profile, transformational PPEA community projects. We will serve as Roanoke County's guide and advocate throughout the PPEA process.

ESTABLISHED SUCCESSFUL WORKING RELATIONSHIPS



AEP Parking Deck



Grammercy Row Apartments



Deschutes Tasting Room



Blacksbug High School PPEA



Auburn High School PPEA



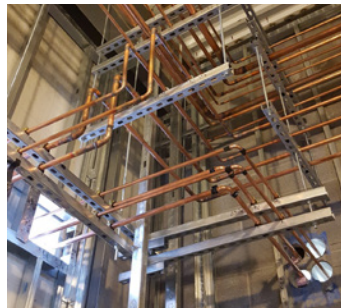
Emory & Henry School of Health Sciences

MEP DESIGN-BUILD



As one of the Commonwealth's leading providers of MEP contracting services, Hopkins | Lacy will provide Design-Build services on the Bonsack Fire Station project. Given that the mechanical, electrical and plumbing ("MEP") work constitutes a large portion of the overall cost, involving this exceptional MEP firm in the design process will have a significant, positive impact on the cost, the schedule and coordination aspects of the project. Hopkins | Lacy will work collaboratively with Balzer & Associates and RRMM to provide crucial MEP systems input, including alternative options analysis, systems coordination, scheduling and life-cycle cost feedback among many others. Hopkins | Lacy will provide the Branch | Balzer | RRMM team with the ability to most efficiently plan and design systems that will provide the best value for DPS by offering our team added control over the critical cost and schedule components of the MEP work.

Hopkins | Lacy is Branch's mechanical, electrical, plumbing, controls, service and special projects division. Hopkins | Lacy provides high-end MEP planning and contracting services for Virginia's largest and most technically sophisticated organizations.



BENEFIT

An experienced, seamless design-build team with an appreciation for one another's processes, procedures, and expectations. With no internal learning curve, we are ready to continue our work on your project immediately.

PPEA DESIGN-BUILD PRECONSTRUCTION SOLUTIONS



Doug Childress
Preconstruction Manager

Doug is a 33-year industry veteran on Municipal projects who knows how to get a project within budget through creative value management and engaging the right trade partners.



Jaime English
Preconstruction Manager

Jaime is a seasoned preconstruction manager and has an impeccable record in obtaining the best pricing. You WILL get the best price!



Lewis Smith
Senior Superintendent

Lewis is instrumental in providing a field operations perspective and always meets schedules.

PREQUALIFYING THE RIGHT CONTRACTORS

With emphasis on local participation, only the most qualified trade partners work on your project. This minimizes default risk and construction delays.

We know who the best Fire Station trade partners are!

CREATING TRADE PARTNER COMPETITION

Guarantees that you get the best pricing by obtaining a minimum of (3) three bids per scope of work.

VALUE MANAGEMENT WORKSHOP

Uses the collective experience of the team to obtain the maximum value for your project.

AGGRESSIVE CONSTRUCTABILITY REVIEWS

Ensures that there are NO GAPS in documents and eliminates change orders.

HEAVY ATTENTION TO SCHEDULE COORDINATION

Delays are costly. We plan ahead and for every contingency.

The entire Preconstruction process will be open book, meaning we show you the details of all bids and by collaborating as a team, we will choose the trade partners together.



BENEFIT

Maximize the value of your dollars and local subcontractor participation.

SAFETY-FIRST PRACTICE



Branch has a comprehensive safety program that is managed by our Corporate Safety Director and his staff, and is implemented in the field by our highly trained Field Superintendents. There is nothing more important when analyzing a highly-visible, community-oriented project than to be aware of the potential for safety concerns. The plan is refined throughout the preconstruction phase and is clearly conveyed to all as the project is released for trade partner bidding.

LEED PLANNING & EXECUTION

- VMI Corps Physical Training Facility, Phase II (Lexington, VA) – **LEED Silver Certified**
- West Ox Bus Operations Center, Exp Phase II (Fairfax, VA) – **LEED Gold Certified**
- Radford University Reed & Curie Halls (Radford, VA) – **LEED Gold Certified**
- Tysons-Pimmit Regional Library (Falls Church, VA) – **LEED Silver**
- Rockingham Judicial Center (Reidsville, NC) – *the first judicial center in North Carolina to achieve the US Green Building Council's **LEED Gold Certification**.*
- Rocky Mount High School (Rocky Mount, NC) – *the first **LEED Gold Certified** 9-12 high school / educational facility in the State of North Carolina.*



20+ LEED PROJECTS

LEAN CONSTRUCTION: BRANCH'S TEAM CENTERED PLANNING (TCP)



On every project, Branch Builds, Inc. incorporates Lean Construction principles and methodologies as a fundamental component of establishing mutually beneficial relationships built on trust and respect. Branch's Lean Construction approach, or Team Centered Planning (TCP) has been thoughtfully developed to maximize the value we add to our clients' projects by ensuring enhanced project team communications, detailed scheduling and work efficiencies while simultaneously eliminating wasteful practices that are all too often found within the industry. Our TCP process is founded on the principle that all project team members (Branch, subcontractors, designers, engineers, owners, owner's reps, etc.) participate in the project planning/scheduling process and "buy-in" to the developed plan. All team members have an equal voice in the process and all feedback is utilized in coordinating the construction activities required to meet our clients' project objectives. The plan is refined in real time throughout the project and through daily communications with the team members, accountability is heightened significantly while costs are reduced, and schedules are shortened.

PASSION

Roanoke is our home and this is more than just a building. It is OUR story. We will bring passion every single day.

- Expertise in Fire Station Construction
- Delivered Many Successful Projects that Included Similar Fire Station Systems
- Roanoke County Project Experience
- Unmatched Local PPEA Design-Build Expertise



Blackwater Fire & EMS Station



TAB A | QUALIFICATIONS & EXPERIENCE

- 3.1.1 Legal & Organizational Structure
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■ Section includes information provided in **Volume II - Redacted Proprietary Information**

QUALIFICATIONS & EXPERIENCE

- 3.1.1. Identify the legal structure of the firm or consortium of firms making the proposal. Identify the organizational structure for the Project, the management approach and how each partner and major subcontractor (\$100,000 or more) in the structure fits into the overall team. All members of the private entity/offeror's team, including major subcontractors known to the proposer must be identified at the time a proposal is submitted for the Conceptual Stage. Identified team members, including major subcontractors (over \$500,000), may not be substituted or replaced once a project is approved and comprehensive agreement entered into, without the written approval of the County. Include the status of the Virginia license of each partner, proposer, contractor, and major subcontractor.**

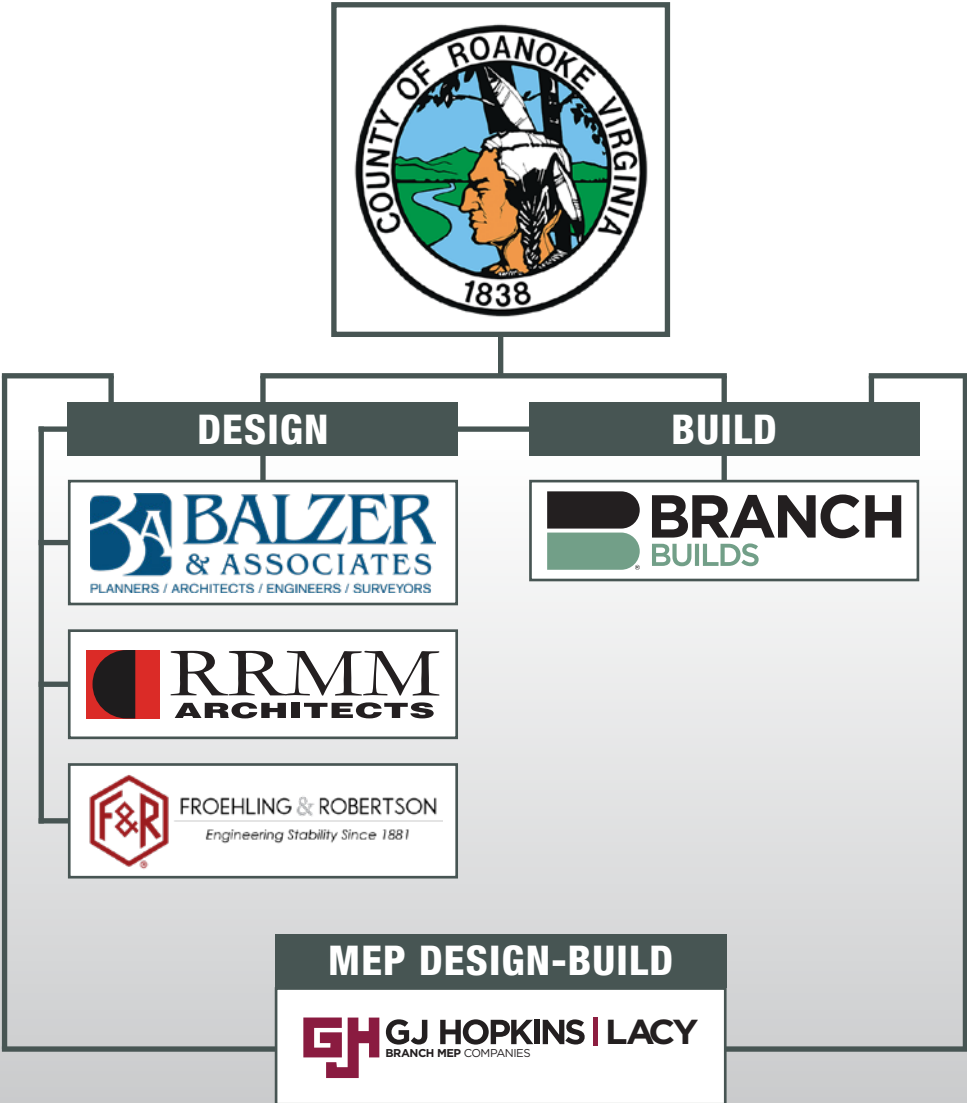
Branch Builds, Incorporated (Branch) is the entity submitting this proposal and as such will maintain executive oversight and responsibility for Roanoke County; Branch will oversee all design-build preconstruction and construction services for the Bonsack Fire Station project. As such, Branch will serve as Roanoke County's primary point of contact throughout the project.

We have assembled a team of the top local / regional municipal design and construction specialists to lend both depth and breadth to your project. Balzer & Associates will be contracted by Branch for architectural design and engineering services. RRMM will provide Fire Station Design Consultant services; Hopkins | Lacy will provide MEP design-build services; and F&R will provide Geotechnical Services. Together, the Branch | Balzer | RRMM design-build team offers exceptional public safety facility design and construction expertise, experience working in the Roanoke County market, an understanding of Roanoke County's objectives for the new Bonsack Fire Station and vast experience working together as a team on previous, similar projects.

Our collective understanding of both the local conditions and the PPEA design-build process is clear, and the broad perspective we bring to bear is second to none. Branch and RRMM have been leaders in PPEA delivery in Virginia for many years. Branch recently completed a \$107.5M 3-school design-build PPEA project for Montgomery County Public Schools, and is currently completing the PPEA \$35M renovations and additions to 3 separate Christiansburg elementary schools. We are currently in the design/preconstruction phase on three additional PPEA projects: Lancaster County Combined High School/Middle School, Danville Public Schools' Johnston Elementary School and the new PPEA High School in Buchanan County. Our team has followed the evolution of this project, diligently reviewed all PPEA solicitation documentation in our project planning analysis and we intimately understand the intricacies of PPEA delivery. We offer valuable lessons learned knowledge with regard to successfully designing and managing a PPEA project that we will bring to bear for the benefit of Roanoke County.

Our team's management approach is simple; we are one team working collaboratively toward one common goal and that goal is to provide the best public safety services possible for the greatest return on investment for Roanoke County. We will check egos at the door and will vet options with tenacity, but in the end, collectively agree on what best meets the needs of Roanoke County's Public Safety Officials. We will look for cost saving alternatives that do not compromise scope or desired finishes or fail to address sustainability, durability and maintenance. Our team will be led by a Design-Build Project Manager experienced in PPEA delivery and who will ensure all team members are focused on the goals at hand and that we are in fact, delivering on promises. Everything we do will be transparent and available for Roanoke County review at any time upon request. Our approach and methodology anticipate we will need to meet the scrutiny of an audit at project completion. Simply summarized, the Branch | Balzer | RRMM management approach and goal is to become an extension of Roanoke County and guide ourselves and the decisions we make as if we were the Owner.

QUALIFICATIONS & EXPERIENCE



All firms above maintain current Commonwealth of Virginia licensure.

QUALIFICATIONS & EXPERIENCE

- 3.1.2. Describe the experience of the firm or consortium of firms making the proposal and the key principals involved in the proposed Project including experience with projects of comparable size and complexity. Describe the length of time in business, business experience, public sector experience and other engagements of the firm or consortium of firms. Describe the past safety performance record and current safety capabilities of the firm or consortium of firms. Describe the past technical performance history on recent projects of comparable size and complexity, including disclosure of any legal claims and litigation, of the firm or consortium of firms. Include the identity of any firms that will provide design, construction and completion guarantees and warranties and a description of such guarantees and warranties.**

PPEA Expertise | Branch is a premier PPEA design-builder in Virginia. Branch has long been a proponent of the PPEA delivery approach as it is the most conducive process for meeting all owner project objectives in a collaborative and harmonious manner. The hallmark of Branch's PPEA design-build methodology is our client-focused professional preconstruction services which entails comprehensive project analysis to identify cost-saving options, constructability solutions, Building Information Modeling (BIM) and schedule enhancements while providing general owner guidance through the PPEA design-build process. We employ a 100% transparent, open-book approach so Roanoke County will always know where every construction dollar is being spent and Roanoke County will be in the best position possible to make sound and confident decisions.

We have addressed the information requested in the above "summary" question within the appropriate subsections below.

- 3.1.2.1. Experience: The Proposer must demonstrate and provide evidence of appropriate experience for this Project for both the design and construction entities and their key personnel to be assigned to this Project. Each Project used as evidence of relevant experience shall be presented on a separate sheet to include, but not be limited to, a photograph of the completed Project, size of the facility, construction cost, date completed, major features, general contractor, the architect of record, and Owner of the facility with current contact information for a reference check.**

BRANCH BUILDS, INC. | Design-Builder

Branch Builds, Inc. is a Roanoke, Virginia headquartered firm with regional offices in Richmond and Herndon, Virginia. Branch has been building municipal projects throughout Virginia, North Carolina and West Virginia for the past 59 years. Community project construction is what we do – it is our specialty and our passion. Branch has vast experience with municipal and public safety facilities of all types and magnitudes and has constructed these projects as a traditional design-bid-build general contractor, Construction Manager at Risk and Design-Builder (including PPEA). We are intimately familiar with our local Roanoke market and subcontractor community who will fulfill critical roles as the process progresses.

Branch was founded in 1963 by Bill Branch. In 1985 the firm was reorganized into The Branch Group of which Branch Builds, Inc. is one of three wholly owned subsidiary companies focusing exclusively on general contracting, construction management, public-private ventures and design-build construction. In 1982, the company converted to an employee-owned company (ESOP) and is now 100% employee owned. Employee ownership ensures that every employee has a vested interest in the company's success and is a key reason why our firm has continued its strong growth. Ranked by revenue, the company is consistently in the Top 5 Largest Contracting Firms headquartered in Virginia.

Branch's core focus is community-oriented project preconstruction and construction services; our company counts as some of our many public sector clients: Roanoke County, City of Roanoke, Fredrick County, Montgomery County, Henrico County, Chesterfield County, Loudoun County, Fairfax County, Dickenson County,



QUALIFICATIONS & EXPERIENCE

Stafford County, Lancaster County, Westmoreland County, Richmond City and Lynchburg City to name a few. Branch has a strong team of Project Managers and Superintendents whose combined experience would be the envy of most competitors. Financially, the company ranks amongst the most solid in the industry by any financial measure. This is a testament to the company's conservative financial management, as well as assessment of risk.

We are a medium-size firm as measured by national standards (\$175M-\$200M+ annually), and our culture and business model include having our key executives involved with our major projects. Please reference the organizational chart and individual resumes provided in this section for our team structure and backgrounds.

Summary of Representative Branch Projects

In Progress

Project	Contract	Completion	Delivery
Philip A. Bolen Memorial Park	\$11M	2025	Design-Bid-Build
FCPS James Wood HS & Indian Hollow ES	\$74M	2024	CM@Risk
Seven Corners Fire Station #28	\$11M	2024	Design-Bid-Build
Lancaster Middle School Renovations & Addition	\$10.6M	2023	Design-Bid-Build
Fairfax County Adult Detention Center, Package A	\$3.8M	2022	Design-Bid-Build
MCPS Christiansburg Multi-Elementary Schools PPEA	\$35M	2022	Design-Build

Completed

Project	Contract	Completion	Delivery
George Mason Elementary School	\$34.6M	2022	CM@Risk
Reston Fire Station #25	\$10M	2022	Design-Bid-Build
Westmoreland High School	\$48.8M	2022	Design-Bid-Build
Robert E. Aylor Middle School	\$41.1M	2021	CM@Risk
The North Star School	\$32M	2021	Design-Bid-Build
Loudoun County Public Safety Firing Range	\$21.3M	2020	Design-Bid-Build
Montgomery Central High School & Career Technical Education Building	\$62.3M	2020	Design-Bid-Build
Prince William-Manassas Regional Adult Detention Center	\$45.7M	2020	Design-Bid-Build
Pulaski County Middle School	\$37.1M	2020	Design-Bid-Build
Greene County High School & Middle School	\$24.5M	2019	CM@Risk
Lewinsville Intergenerational Centet	\$10.5M	2019	Design-Bid-Build
Stanley Middle School	\$25M	2019	Design-Bid-Build
City of Fairfax Firing Range	\$4M	2018	Design-Bid-Build
Fairfax Connector Reston/Herndon Bus Garage	\$8.3M	2018	Design-Bid-Build
Tysons-Pimmit Regional Library	\$3.7M	2017	Design-Bid-Build
West Ox Bus Operations Center, Exp PH II	\$11.5M	2017	Design-Bid-Build
Frederick County Middle School	\$42.3M	2016	Design-Bid-Build
Stringfellow Road Park & Ride Expansion	\$5.5M	2016	Design-Bid-Build
Ridgeview High School & Middle School	\$59.2M	2015	Design-Bid-Build
Auburn Middle School PPEA	\$18.4M	2014	Design-Build
Auburn High School PPEA	\$34.7M	2013	Design-Build

QUALIFICATIONS & EXPERIENCE

Completed (continued)

Project	Contract	Completion	Delivery
Blacksburg High School PPEA	\$54.4M	2013	Design-Build
Fairfax County Courthouse	\$3.5M	2013	Design-Bid-Build
Winston-Salem Joint Firearms Training Facility	\$6.2M	2012	Design-Bid-Build
Rockingham County Judicial Center	\$37.8M	2011	Design-Bid-Build
City of Roanoke Market Street Parking Garage	\$6.9M	2010	Design-Bid-Build
Rockbridge County Courthouse & Parking Garage	\$29.8M	2009	Design-Bid-Build

Completed (continued)

Branch Highlighted Project Experience - See following pages



RESTON FIRE STATION #25

RESTON, VIRGINIA

OWNER | FAIRFAX COUNTY DPWES

12000 Government Center Parkway, Suite 449
Fairfax, VA 22035

ARCHITECT | LEMAY ERICKSON WILLCOX

11250 Roger Bacon Dr
Reston, VA 20190

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$10 Million

SF | 17,150sf

Reston Fire Station No. 25 is a new 17,150sf fire station designed to replace the existing 7,750sf station. The existing station, a 2½ bay structure designed in 1972, has become undersized and contains inadequate critical infrastructure and support functions to meet the needs of the expanding department and the community it serves.

The new facility is designed as a 4-bay station with accommodations for up to 20 fire fighters per shift and six apparatus equipment, including a future engine and medic. The new building expands support function through updated gear lockers, shop and storage rooms, control room, and lobby - all connected and easily accessible to the first-floor apparatus bays. To meet the increased shift sizes, 41 parking spaces were required, thereby reducing the usable land for the building foot print, resulting in this two-story design. The living quarters, administrative offices, and bunk and locker rooms were programmed above the apparatus bays along the second floor of the facility.

The station is targeting LEED Silver certification. Sustainable design strategies include site selection, water use reduction, regional materials, recycled content materials, low VOC interior finishes and Photovoltaic panels.



SEVEN CORNERS FIRE STATION #28

FALLS CHURCH, VIRGINIA



OWNER | FAIRFAX COUNTY DPWES

12000 Government Center Pkwy
Suite 449
Fairfax, VA 22035

ARCHITECT | BKV GROUP

1054 31st Street NW
Canal Square Suite 410
Washington, DC 20007

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$11 Million

SF | 13,800sf

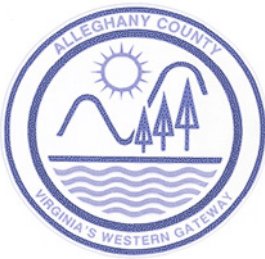
Seven Corners Fire Station No. 28 is a new 13,800sf fire station designed to replace the existing 8,500sf station. The existing, one-story, two bay structure designed in 1975, lacks accommodations for female staff and contains inadequate critical infrastructure and support functions to meet the needs of the expanding department and the community it serves.

The new, two-story fire station will be approximately 13,800sf and includes a three-bay apparatus bay, ready-gear room, control room, administrative offices, fitness room, dayroom, kitchen and dining room, outdoor patio, hose tower, locker and showers for male and female staff, bunk rooms, and facility support spaces. The exterior design of the facility incorporates a combination of brick and metal panel design. Site will include surface parking and associated site improvements, as well as a new vehicle fueling system. The building will be delivered with solar-ready infrastructure and is mandated to achieve at minimum silver-level LEED certification. In addition to the construction of the new fire station, demolition and removal of the existing fire station are required.



ALLEGHANY REGIONAL JAIL

COVINGTON, VIRGINIA



OWNER | COUNTY OF ALLEGHANY
110 Rosedale Avenue, Suite C
Covington, VA 24426

**ARCHITECT | THE MOSELEY
MCCLINTOCK GROUP**
601 Southlake Boulevard
Richmond, VA 23236

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$8.7 Million

SF | 37,000sf

The new Alleghany Regional Jail is a 37,000sf multi-story structure comprised of a 32-cell jail and offices for the Alleghany County Sheriff's Department. The structure consists of a structural steel frame on concrete spread footings with a concrete masonry block envelope and a mixed facade of granite, split faced block, and EIFS. Interior secure walls are made of reinforced concrete masonry blocks; non-secure walls consist of concrete masonry blocks and gypsum board drywall over metal studs. An alternate to the base bid that was accepted as a part of the contract work consists of renovations to the existing courtroom in the Alleghany County Courthouse. This project was constructed in congested downtown location adjacent to the existing courthouse.



CITY OF FAIRFAX FIRING RANGE

FAIRFAX, VIRGINIA



OWNER | CITY OF FAIRFAX
10455 Armstrong Street, Suite 200
Fairfax, VA 22030

ARCHITECT | HAMMEL, GREEN AND ABRAHAMSON, INC.
44 Canal Center Plaza, Suite 100
Alexandria, VA 220314

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$4 Million

SF | 11,000sf

Branch Builds Inc. constructed the City of Fairfax Firearms Training Center, a facility that will be shared with the police departments of the City of Falls Church and George Mason University. The building is constructed on the site of the former training facility, which was demolished as the first phase of the project. The 7,362sf building includes eight lanes and provides a classroom, a simulation training room, a weapons cleaning room and a mechanical mezzanine. The building is a CMU structure with a concrete roof assembly over the shooting lanes and bar joist with metal decking over the remainder of the building. The mechanical system is designed to mitigate harmful odors associated with the firing of weapons. The project scope includes furnishing and installation of the firing lane equipment and accessories along with all associated coordination.



MARKET STREET PARKING GARAGE

ROANOKE, VIRGINIA



OWNER | CITY OF ROANOKE, NOEL C. TAYLOR MUNICIPAL BUILDING
215 Church Street
Roanoke, VA 24011

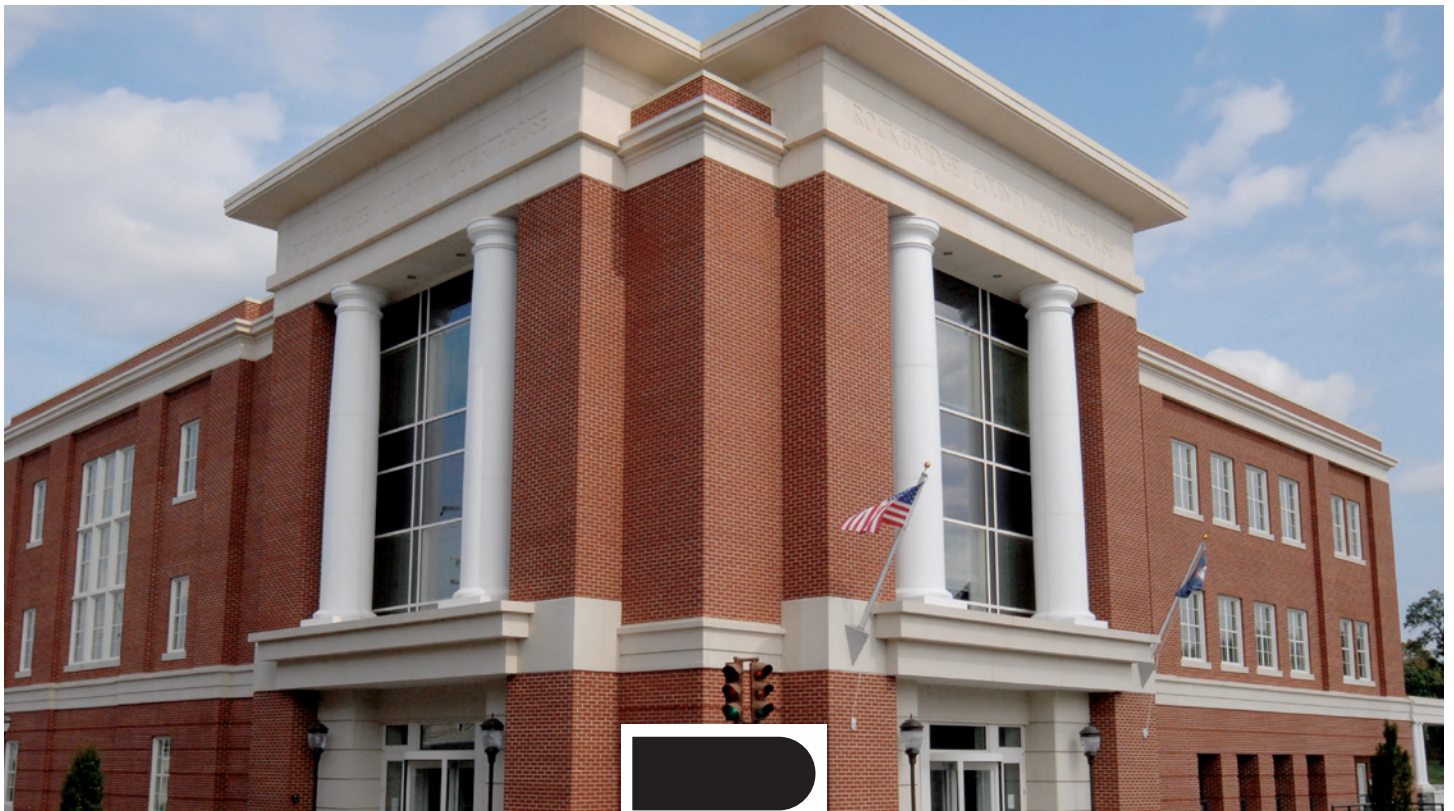
ARCHITECT | WALTER ROBBS CALLAHAN & PIERCE ARCHITECTS, PA
530 North Trade Street
Winston-Salem, NC 27101

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$6.9 Million

SF | 230,000sf / 6-story

The Market Garage project involved both the renovation and repair of the existing garage and a 6-story, 33,000 square foot addition. This highly visible project, located in the heart of the busy Downtown Roanoke Market district, consisted of a total of 230,000 square feet and 507 parking spaces. Special considerations were developed for on-time deliveries and pedestrian safety measures. The renovation of the existing parking deck included the demolition and replacement of a stair tower. The existing entrance ramp on the north elevation was demolished and relocated, and the existing ticket booth was relocated to the new entrance. Existing precast was structurally reinforced and cleaned. The two existing stair towers' gable roofs were removed and flat EPDM roofs with parapets were installed. The 10,000 square feet of existing retail space on the ground level was reconfigured to allow for expanded future use. The new 70-parking space addition consisted of a cast-in-place post tension structure on a micro-pile foundation system.



ROCKBRIDGE COUNTY COURTHOUSE & PARKING GARAGE

LEXINGTON, VIRGINIA



OWNER | COUNTY OF ROCKBRIDGE

150 South Main Street
Lexington, VA 24450

ARCHITECT | BCWH

1840 West Broad Street, Suite 400
Richmond, VA 23220

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$29.8 Million

SF | 62,000sf

145-space parking deck

Constructed in the heart of downtown Lexington, the Rockbridge County Court House is on a challenging, sloped, compact site at a busy intersection--requiring an extensive site logistics planning, requiring approval by the City and VDOT. The facility consists of two structures, a 62,000sf steel frame courts building and a three level pre-cast concrete parking structure for 145 vehicles with secure parking for judges and court staff. The exterior of the complex is clad with native stone, brick and architectural pre-cast, giving the appearance of a single structure which blends and compliments the surrounding 19th century buildings.

The facility provides multiple court rooms, with judges' chambers, conference and jury rooms, office and administrative areas along with a sally port and prisoner holding cells to support the courts function. Additional space is provided archives and records storage and a visitor lobby with a security check point.



FAIRFAX COUNTY COURTHOUSE

FAIRFAX, VIRGINIA



OWNER | FAIRFAX COUNTY
12000 Government Center Parkway
Suite 463 | Fairfax, VA 22035

**ARCHITECT | DAVIS BUCKLEY
ARCHITECTS**
1612 K Street NW
Washington DC 20006

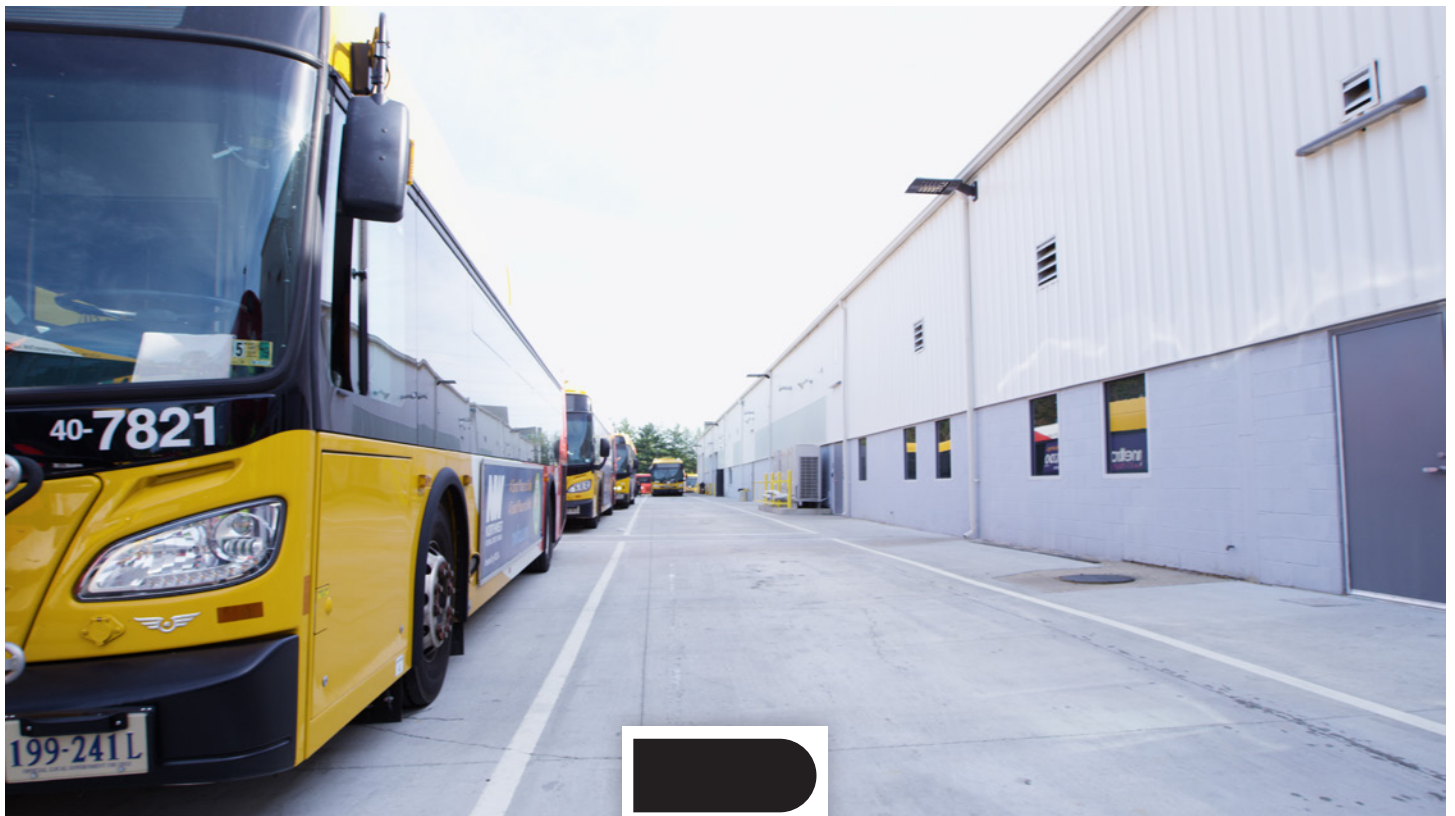
CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$3.5 Million

SF | 4,169sf

Historic renovation of Fairfax County Courthouse, including the original wing constructed in 1799. Interior work included basement and first floor renovations with new HVAC and electrical systems as well as refurbishment of historical features, all completed while the building remained occupied.

Significant exterior work included slate roofing, brick masonry repair and re-pointing, windows and below-grade waterproofing and storm drainage around the entire building perimeter.



FAIRFAX CONNECTOR RESTON/HERNDON BUS GARAGE

HERNDON, VIRGINIA



OWNER | FAIRFAX COUNTY DPWES
12000 Government Center Parkway, Suite 449
Fairfax, VA 22035

ARCHITECT | MICHAEL BAKER JR, INC.
3601 Eisenhower Ave, Suite 200
Alexandria, VA, 22304

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$8.3Million

SF | 24,140sf

The multi-phase renovation of the Fairfax Connector, Reston-Herndon Bus Operations Facility made improvements to the existing building that allowed for better utilization and efficiency of the existing space. The first phase reconfigured existing maintenance bays and enclosed space formerly used as dry exterior storage to relocate the chassis and bus wash functions, relocation/reconfiguration of maintenance bays, provided new enclosed parts storage space—with automated equipment for inventory/access and improved the amenities for the vehicle maintenance staff. Work in the first phase included extensive wall and concrete floor slab demolition, placement of steel for overhead equipment, overhead coiling doors, installation of wash equipment, masonry to enclose the former dry storage area and enclosure of façade openings no longer required along with below grading plumbing and new concrete floor slabs.

The first phase created space to be reconfigured in the second phase, which included relocated and accessorized maintenance bays along with adding space to, and renovating, the existing office to provide an improved drivers' lounge, private offices, training/conference rooms and relocation of the dispatch. Additional work to the building included new windows/window openings, repair and replacement of the existing metal building façade along with closing openings that were to be abandoned.

Along with the building renovations, Branch made site improvements including new stormwater management and reconfiguring of the parking and bus storage areas to allow for better movements on what is a somewhat tight site.



HENRY COUNTY COURTS BUILDING

HENRY COUNTY, VIRGINIA

OWNER | HENRY COUNTY BOARD OF SUPERVISORS

Kings Mountain Rd
Collinsville, VA 24078

ARCHITECT | THE MOSELEY MCCLINTOCK GROUP

601 Southlake Boulevard
Richmond, VA 23236

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$7 Million

SF | 69,600sf

The Henry County Courts Building is a three-story structure with a fourth story mechanical room. The building is 69,600sf with a structural steel frame and exterior masonry walls. To handle interior traffic flow to the five courtrooms, the building contains four elevators and four stairways. The project included holding cells, security and detention equipment, fire protection, architectural woodwork in the courtrooms (judges' benches, seating, etc.) and all interior building finishes.



LEWINSVILLE INTERGENERATIONAL CENTER

FAIRFAX, VIRGINIA



OWNER | FAIRFAX COUNTY DPWES - CAPITAL FACILITIES

12000 Government Center Pkwy, Suite 449
Suite 463 | Fairfax, VA 22035

ARCHITECT | GRIMM + PARKER

8609 Westwood Center Drive, Suite 425
Tysons, VA 22035

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$10.5 Million

SF | 32,000sf

The new 32,000sf Lewinsville Intergenerational Center facility includes a senior center, an adult day care center and two separate child care centers, which are replacing facilities that were demolished as part of the complete redevelopment of the site. Branch was the successful low bidder on this unique design-bid-build project. The new facility is a single, wood frame structure with a traditional façade of brick and siding, with an asphalt shingle roof and includes the following features: fitness room, game room / billiards, large multi-purpose room (can be split into two activity rooms), art room, cafe & dining room, kitchenette, conference room, and staff offices.





LOUDOUN COUNTY PUBLIC SAFETY FIRING RANGE

LEESBURG, VIRGINIA

OWNER | LOUDOUN COUNTY
One Harrison Street, SE 4th Floor
Leesburg, VA 20178

ARCHITECT | CLARK NEXSEN
213 Jefferson St. Suite 1011
Roanoke, VA 24011

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$21.3 Million

SF | 61,000sf

The new Public Safety Firing Range for the Loudoun County Sheriff's office consists of a 1-story, precast concrete building of approximately 55,000sf, featuring two state-of-the-art, fully tactical indoor walkdown ranges: a 10-point, 100-yard range and an 18-point, 50-yard range equipped with sidewall bullet traps to support 180-degree target engagement. The building includes control booths for each range, use-of-force simulator, classrooms, storage, and administrative/support spaces. It also includes a 1-story pre-engineered metal building (with mezzanine) of approximately 6,000sf to provide department force-on-force training. Sitework consisted of parking, on-site well and water supply, on-site septic field, frontage road improvements, and other associated improvements.





PRINCE WILLIAM – MANASSAS REGIONAL ADULT DETENTION CENTER, PHASE II EXPANSION

MANASSAS, VIRGINIA



OWNER | PRINCE WILLIAM COUNTY

4361 Ridgewood Center Drive
Prince William, VA 22192

ARCHITECT | HELLMUTH, OBATA + KASSABAUM, P.C (HOK)

3223 Grace Street, NW
Washington, DC 20007

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$45.7 Million

SF | 105,000sf; 200-bed

This dynamic, high-profile \$45.7 million project consisted of a 105,000sf, 3-story, 200-bed Adult Detention Center (ADC) building addition with mechanical penthouse and surface parking. The new facility includes a new pedestrian bridge and is connected to the existing adult detention center Phase 1 Expansion and the original main Jail building. The ADC involved 998 total pieces of precast, a sizeable number in ratio to the square footage. These precast components included wall panels, sandwich wall panels, formliner sandwich wall panels, brick clad sandwich wall panels, decorative architectural pieces, beams, columns, double tees, cell modules (two jail cells per module) and both solid and hollow core slabs. All cast-in elements had to be procured in time to be cast into the sandwich wall panels and carefully coordinated to align with the hand laid brick coursing that made up most of the exterior façade.

Because the precast wall panels were erected vertically, then horizontally, and then switched back to vertically, along with the switching of axes of long span double tees from the 2nd to the 3rd floor, it required a significant amount of bracing to stabilize each section of precast during erection of the superstructure. It was an unusual sequencing and far more complex than most precast structures as result of the building design. The work also involved significant site development, including expansion of the existing stormwater management facility, hardscapes, and landscaping. Branch has worked around the existing occupied, fully functional Detention Center for the entire duration of the project while keeping all on-going owner activities undisturbed.



ROCKINGHAM COUNTY JUDICIAL CENTER

REIDSVILLE, NORTH CAROLINA



OWNER | ROCKINGHAM COUNTY

371 NC 65, Suite 200
Reidsville, NC 27320

ARCHITECT | MOSELEY ARCHITECTS

3000 RDU Center Drive, Suite 217
Morrisville, NC 27560

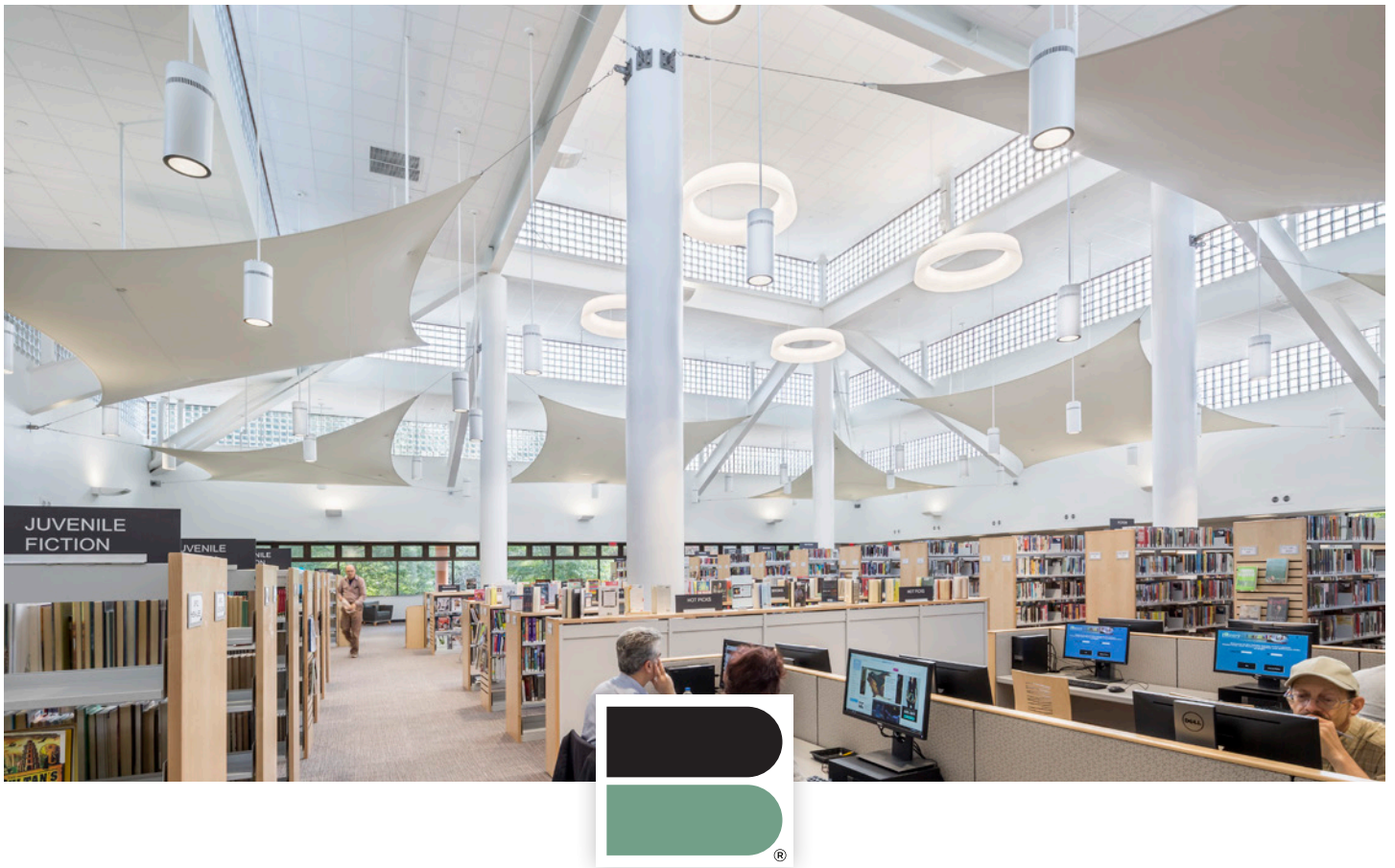
CONTRACT TYPE | Design-Bid-Build

LEED-GOLD

CONTRACT AMOUNT | \$37.8 Million

SF | 171,500sf

The new Rockingham County Judicial Center located on a 38-acre site provides Rockingham County with a new 3-story courthouse, jail and law enforcement services facility. The Courthouse is 98,000sf, the Jail 52,500sf with beds for 222 inmates (300 core) and the Law Enforcement Center is 21,000sf. Designed to accommodate 359 employees, the facility is the first judicial center in North Carolina to achieve Gold Certification from the U.S. Green Building Council's LEED® Building Rating System. Among the center's high performance and green building design strategies are: an Energy Star® compliant, highly-reflective roof membrane to lessen "heat island" effects and help keep the building cool; rain cisterns to provide landscape irrigation and aid in storm water management; preferred parking for carpool and low-emission, fuel-efficient vehicles to alleviate automobile traffic and pollution; a 33% decrease in building water consumption through low-flow and dual-flush plumbing fixtures, saving over a million gallons of water annually; energy-efficient technologies projected to reduce energy expenditures by 20%; recycled building materials and FSC-certified wood; outdoor air delivery monitoring systems to ensure an adequate supply of fresh air to each building zone; individual lighting controls that enhance occupant comfort and reduce energy consumption; and environmentally friendly housekeeping and pest management program.



TYSONS PIMMIT REGIONAL LIBRARY

FALLS CHURCH, VIRGINIA



**OWNER | THE BOARD OF SUPERVISORS,
FAIRFAX COUNTY, VA**
12000 Government Center Pkwy, Suite 449
Fairfax, VA 22035-0052

**ARCHITECT | RITTER-NORTON
ARCHITECTS**
814 King Street, 3rd Floor
Alexandria, VA 22314

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$3.7 Million

SF | 24,521sf

LEED SILVER

Originally constructed in 1985, the Tysons-Pimmit Regional Library had not been renovated since it's opening. This renovation was conceived in 2012 and a bond referendum made the long-awaited update possible. The library was closed to facilitate the project, which included significant interior demolition of partitions, finishes and MEP systems, along with selective demolition of storefront and window systems. Working from a virtual clean slate, the finished product more efficiently uses the space and provides the latest in technology to service the needs of today's patrons.

Designed and constructed to a LEED Silver standard, the completed building has new mechanical and electrical systems, with highly efficient equipment that includes automatic and/or motion sensing controls. The latest in high-tech communications systems were installed, including WiFi systems, gaming systems for the teenager section and screencasting capabilities for the multi-purpose room. Perhaps the most distinctive feature of the renovation involved the large hanging sails in the naturally lit Main Reading Room, providing relief from light glare and heat while breaking up the volume of the vaulted ceiling.

RECOGNITIONS & AWARDS

*Branch was recognized with an "Award of Excellence for Building Design & Construction" by Fairfax County's Department of Public Works and Environmental Services for our outstanding performance on the project.
December 2017*



WINSTON SALEM JOINT FIREARMS TRAINING FACILITY

WINSTON-SALEM, NORTH CAROLINA



OWNER | CITY OF WINSTON-SALEM, NC
101 North Main Street, Suite 53
Winston-Salem, NC 27102

ARCHITECT | CLARK NEXSEN
213 South Jefferson Street
Roanoke, VA 24011

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$6.2 Million

SF | 36,857sf

The scope of work included the installation of a new 36,857 square foot indoor firearms training facility. The building contains one 12-point, 100-yard firing range and one 12-point, 50-yard firing range; each with separate Range Control Booths. Support facilities within the facility include weapons cleaning, storage, instructional areas/classrooms, lobby, mechanical and administration space. This facility is constructed primarily of precast concrete and the exterior walls are insulated precast sandwich panels with inlaid thin brick as the exterior finish. The roof system is comprised of precast double tees topped with poured-in-place concrete and an EPDM roof. The main interior walls are also precast concrete. Designed to eliminate the possibility of a projectile leaving the range, the two firing ranges are fully baffled with AR500 ballistic steel, along with a state-of-the-art AR500 ballistic steel backstop, which contains an auger system to remove the lead bullets from the backstop holding chamber. The mechanical system not only heats and cools the firing range and finished support spaces (classrooms, lobby, administration, etc.), but it also provides laminar flow in the firing ranges to move any lead dust and harmful contaminants down range and away from the shooter. Interior finishes also include metal studs, drywall, paint, acoustical ceilings, ceramic tile, VCT and sealed concrete floors. The exterior comprises of a large off-street parking lot, storm water management pond, existing roadway widening / improvements and landscaping. The completed building and associated site work are a well detailed addition to the surrounding neighborhood, giving the City of Winston-Salem a much needed training facility, while providing the added security of a completely baffled, indoor firing range.



WEST OX BUS OPERATIONS CENTER EXPANSION PHASE II

FAIRFAX, VIRGINIA



OWNER | FAIRFAX COUNTY DPWES
12000 Government Center Pkwy, Suite 449
Fairfax, VA 22035-0052

ARCHITECT | MICHAEL BAKER JR, INC
3601 Eisenhower Ave, Ste 200
Alexandria, VA, 22304

CONTRACT TYPE | Design-Bid-Build

CONTRACT AMOUNT | \$11.5 Million

SF | 86,000 sf

LEED GOLD CERTIFIED

This project was a multi-delivery expansion of facilities at the Fairfax County West Ox Bus Maintenance Operations site. This site provides operations and maintenance services for the Fairfax Connector and WMATA Metro Buses in the western part of the county. It serves as a base for drivers, before and between shifts and has bays for service and repair of buses along with cleaning and washing which are performed on every bus, nightly.

Increasing needs for additional capacity were the driver for this project, that consisted of three distinct deliveries, a steel-structured, masonry and metal panel 26,000sf, 9-bay addition to the maintenance building, a 3,000sf addition to driver lounges at the operations building and the construction of 60 additional parking spaces to accommodate requirements associated with the expansion. The maintenance building addition replicated the architecture of the existing building and provided a bay for an undercarriage wash, bays with recessed vehicle lifts, storage for parts, office space and a communications center. The addition included an overhead crane, providing for vehicle exhaust extraction, compressed air, lube and lift equipment. The drivers lounge addition is a steel structure with masonry façade that provided additional showers, lockers and quiet rooms. The initial on-site delivery was the construction of the new parking spaces, which allowed additional space at the site to perform the required additions. Additional contract scope included a 2,500sf masonry storage building, replacement of a generator and installation of an additional bus wash at the existing wash building.

RECOGNITIONS & AWARDS

Branch was recognized with an "Award of Excellence for Building Design & Construction" by Fairfax County's Department of Public Works and Environmental Services for our outstanding performance on the project.

December 2017

CORPORATE PROFILE

Balzer and Associates, Inc. was founded in 1967 by Donald J. Balzer, Sr. as a consulting planning firm. Since that time, the firm has expanded to include architecture, civil and structural engineering, survey, landscape architecture, environmental and soils studies, and land development consulting services. This diversity enables Balzer and Associates to coordinate and control the interconnected disciplines required to successfully complete projects of varied scope and complexity. Balzer and Associates is committed to delivering projects, from departmental to full-service, within stated timelines and budgetary constraints. Our track record can be attributed to a proficient foresight to project completion and our dedication to performance.

Utilizing a staff of over 150 professionals and support personnel, Balzer and Associates offers technical knowledge, personal service, and enthusiasm to its clients. To better serve our clients across the Commonwealth, Balzer and Associates has established offices in Richmond, the New River Valley, and the Shenandoah Valley, in conjunction with our corporate headquarters in Roanoke, Virginia. The firm is committed to serving its clients as one corporate unit employing the advantages of independent offices in a complementary function.

Balzer and Associates maintains a staff of in-house architects, civil and structural engineers, landscape architects, environmental consultants and, surveyors. In addition, the firm works with a preferred group of mechanical and electrical engineering consultants, and geotechnical engineering consultants. This ensures the right team can respond to client interests and concerns efficiently and appropriately.

Balzer and Associates' professional and support personnel include:

Licensed Professional Engineers

Licensed Architects

Licensed Landscape Architects

Licensed Land Surveyors

Technical Staff

Administrative Staff



Roanoke

Richmond

New River Valley

Shenandoah Valley



PLANNERS

- Urban Planning
- Municipal Studies
- Annexation / Consolidation
- Environmental Impact Studies
- Regional Planning
- Grants Application & Management
- Site Investigation
- Zoning



ARCHITECTS

- Architectural Design
- Landscape Architecture
- Industrial / Warehouse
- Historic / Adaptive Reuse
- Religious
- Medical / Healthcare
- Commercial / Retail Design
- Multi-Family Development



ENGINEERS

- Site Engineering
- Utility Design
- Stormwater / Wastewater Management
- Structural Engineering
- Building Systems Analysis
- Foundation Design
- Construction Inspection
- Soils Evaluation & Septic System Design
- Feasibility Studies
- Environmental Reports
- Permitting



SURVEYORS

- Boundary / Topographical Surveys
- Construction Staking
- ALTA / NSPS Land Title Surveys
- Elevation Certificates
- LOMAs
- Mortgage Surveys
- As-Built Mapping
- Easement Mapping
- Subdivision Platting
- Telecommunications Surveys



FIRE & RESCUE STATION EXPERIENCE

Various locations, Virginia

Balzer and Associates has worked with many municipalities on emergency, fire, and rescue station projects of various scopes ranging from small renovations to new facilities. A select list of relevant projects includes:

Augusta County Fire Rescue Training Center Expansion - Verona, Virginia

Bent Mountain Rescue Squad Building Evaluation - Roanoke County, Virginia

Blacksburg Fire Station - Blacksburg, Virginia

Cave Spring Police Substation Building Evaluation - Roanoke County, Virginia

Chesterfield Fire & EMS Memorial - Chesterfield, Virginia

County Fire/EMS Parking Rehabilitation - Roanoke County, Virginia

E911 & VA811 Communications Center - Roanoke, Virginia

Fire Station Site Plan - Bridgewater, Virginia

Fort Lewis Fire Station Addition- Roanoke County, Virginia

Fork Union Fire Station Facility - Fluvanna, Virginia

Hollins Branch Fire Station Addition - Roanoke County, Virginia

Midlothian Volunteer Fire Department Addition to Fire Station - Chesterfield, Virginia

Salem Rescue Squad New Facility - Salem, Virginia

911 Memorial Relocation - Salem, Virginia





MUNICIPAL PLANNING PROJECTS

Various, Virginia

Balzer and Associates has experience with municipal projects ranging in size. We make it a point to be engaged with our clients and in the communities in which we serve. Over the years, Balzer and Associates has become a consultant for many clients, both public and private, throughout the region. Below are a list of notable planning and development projects performed in the localities.

Augusta County

- Mill Place Road Extension
- BMP Modifications
- Pedestrian Trail Network
- Industrial Site Grading Analysis
- Building/Site Test Fits and Renderings
- Feasibility Studies
- Route 636 Road Design

City of Lynchburg

- Aviary at Miller Park
- Gateway Sign

City of Staunton

- Develop City-wide Survey Control Network
- Topographic Survey for Stormwater Projects
- As-built Surveying

City of Harrisonburg

- Acorn Drive Industrial Park
- North Liberty Street Project
- Site Master Planning
- Public Utility Extension

City of Salem

- Elizabeth Campus Design and Survey Services
- Wilkerson Survey Design and Survey Services
- Salem Civic Center Survey, Subdivision Survey, Subdivision Services
- 911 Memorial Relocation

City of Roanoke

- Technology Corridor Studies
- RCIT / Blue Hills Drive Site Feasibilities
- PAD Site Evaluations
- Berglund Center Ice Rink Renovations
- Ramp Facilities / Bill Memorial Renovations
- E911 VA811 Communications Center

Roanoke City Parks and Recreation

- Greenway Topographic Survey
- Fishburn Park Master Plan, and Cost Estimates
- Rivers Edge Park Master Plan, and Cost Estimates
- Huff Lane Park Master Plan, and Cost Estimates

Roanoke County Parks, Recreation, and Tourism

- Brookside Park Master Plan and Park Upgrades
- Vinyard Park Master Plan and Park Upgrades
- Merriman Soccer Complex Master Plan and Design
- Whispering Pines Park
- Green Hill Park Accessible Fishing Platform
- Explore Park Master Plan
- Explore Park Sewer Lift Station
- Jae Valley Park Entrance Repair

Roanoke County

- Administration Building Parking Rehabilitation
- County Fire/EMS Parking Rehabilitation
- Maintenance Facility Parking Rehabilitation
- Cave Spring Police Substation Building Evaluation
- Bent Mountain Community Center Building Eval.
- Bent Mountain Rescue Squad Building Evaluation
- Regional Animal Control Center Roof Repair
- Roanoke County Paving Plans Bid Assistance
- Vinton Business Center Building Evaluation

Roanoke County Schools

- William Byrd High School Resubdivision
- Burlington Elementary Topographic Survey
- Northside High School Survey/ Field Expansion
- Cave Spring Middle School Bogle Field Upgrades
- William Byrd High School Emergency Culvert Repair
- Cave Spring High School Patio Design
- The Burton Center for Arts and Technology Temporary Trailer Permitting
- Cave Spring High School Field House
- Clearbrook Elementary Parking Enhancements
- Glenvar High School and William Byrd High School Bleacher Replacement
- Hidden Valley High School Waterline Extension
- William Byrd High School Tennis Courts

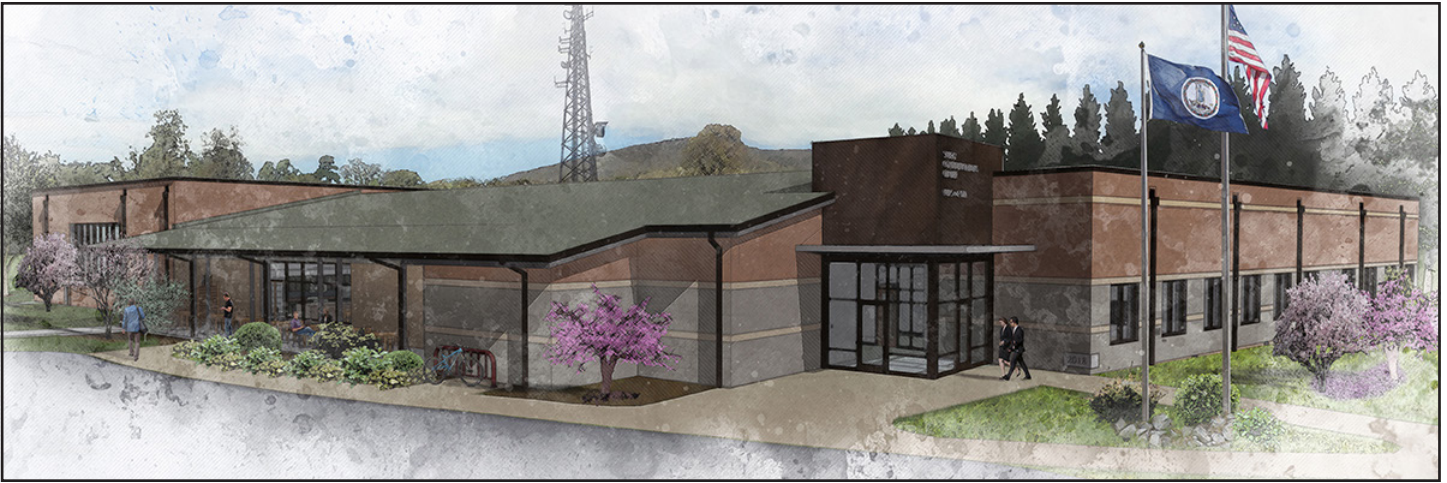
Western VA Water Authority

- Hanging Rock Water Tank Grading and Resubdivision
- Derwent Drive Survey
- Lakewatch Sanitary Sewer Evaluation and Exhibit Preparation



E911 VIRGINIA 811 COMMUNICATIONS CENTER

Roanoke, Virginia



OWNER
City of Roanoke

PROJECT SIZE
31,000 SF

COMPLETION
2020

SERVICES
Survey
Environmental
Architecture
Structural Engineering
Civil Engineering
Landscape Architecture

The E911 Virginia 811 Communications Center in Roanoke, Virginia, is a unique, mission critical facility that houses the City of Roanoke's Emergency 911 Department and Virginia 811 Utility Protection Services.

The Communications Center is a Category IV Essential Facility, requiring specialty communications equipment and back-up power. The one-story, 31,000 square foot building sits on a 6.5-acre site and includes workout rooms, locker rooms, offices, quiet rooms, conference, training, and a covered outdoor patio. Building construction includes structural steel and concrete block, brick and CMU veneer, and a metal roof.

The Communications Center is a partnership that will operate 24-7, is expected to take more than 1 million phone calls per year, and is capable of assisting with major events and multi-jurisdictional incidents. The project is on schedule for LEED certification.



PPEA PROJECTS

OWNER

Augusta County

SERVICES PROVIDED

Civil Engineering
Surveying
Permitting
Wetlands

ROUTE 636 RELOCATION

Fishersville, Virginia



Balzer and Associates provided the design, coordination, and permitting for the relocation for approximately 1 mile of new multi-lane arterial road through Augusta County, Virginia.

PROGRESS PARK

Wythe County, Virginia

OWNER

Wythe County Industrial Development
Authority

SERVICES PROVIDED

Civil Engineering
Surveying
Environmental
Geotechnical



Balzer and Associates provided full services for a 166+ acre rail-served industrial pad.

SIGMA PHI EPSILON FRATERNITY

Blacksburg, Virginia

OWNER

Wythe County Industrial Development
Authority

SERVICES PROVIDED

Civil Engineering
Surveying
Environmental
Geotechnical



Balzer and Associates worked on the new construction of a Sigma Phi Epsilon Fraternity house in Blacksburg, Virginia. The project used the Virginia Public-Private Enterprise Act delivery method. The house involved a mix of single and double occupancy sleeping rooms to accommodate up to 36 beds. The common areas included a full commercial kitchen, multi-purpose rooms, a study room, and a dining room.

RRMM Architects.

Company Overview and Experience



PERSONNEL

120	Employees
44	Registered Architects
8	Certified Interior Designers
27	LEED Accredited Professionals
4	Construction Administration

Company Overview

RRMM Architects, PC (RRMM) is an award-winning, full-service architecture, planning and interior design firm with offices in Chesapeake, Roanoke, Richmond, and Arlington, VA and Rockville, MD. Since our founding in 1988, the firm has grown to over 100 employees, and was recognized as the largest architecture-based firm in the Commonwealth by *Virginia Business Magazine* as well as a **Top 2022 Design Firm in the Nation** by *Engineering News Record*, and a **2021 Top Architectural Firm** by *Architectural Record*.

Built on the foundation of a broad and dedicated clientele with repeat business exceeding 60 percent, and attaining 40 percent of new clients, RRMM has consistently demonstrated a level of service and design that has earned the trust and respect of clients and peers alike. As visionaries, asking the right questions and developing a thorough understanding of the client's needs and goals is the first step in setting a solid foundation for decision making during the design process. RRMM is committed to our clients' success and to our mission of **CREATING GREAT PLACES TO LIVE, WORK, PLAY AND LEARN.**

RRMM has been in operation for over 33 years. We have the knowledge and expertise to ensure your project is completed on time and within budget.

Office Locations

Roanoke

28 Church Avenue SW,
Roanoke, VA 24011

Chesapeake

1317 Executive Blvd. Suite 200,
Chesapeake, VA 23320

Richmond

Canal Crossing 115 S.,
15th Street, Suite 202
Richmond, VA 23219

Arlington

2900 S. Quincy, Suite 710,
Arlington, VA 22206

Rockville

1 Research Court, Suite 450,
Rockville, MD 20850

RRMM is an established architectural design firm with a solid reputation for designing projects on time and on budget. The firm specializes in designing for municipal clients, retail clients, K-12 school divisions, state government clients, higher education clients, and federal government clients. RRMM's Municipal Design Studio has successfully completed numerous new construction projects and facilities for municipalities including Roanoke County, York County, the City of Chesapeake, Chesterfield County, City of Virginia Beach, City of Alexandria, Fairfax County, Arlington County, Prince William County and Loudoun County. Most importantly, however, we know how to work collaboratively with you to ensure that your needs, ideas, concepts, and objectives for this project are met.

Professional Services

- Architecture
- Interior Design
- Programming
- Feasibility Studies
- Master Planning
- Building Information Modeling (BIM)
- Building Scanning Services
- Sustainable Design
- Construction Administration



Fire, Police and Public Safety Experience

The RRMM team has designed multiple similar projects including police stations, fire and rescue stations, administrative space, as well as operations & maintenance facilities. We believe our experience with these facilities have given us the technical knowledge and functional understanding of the primary issues to be successful in the design of any public safety projects that may arise under this contract. We have included a sample list below:



“Based upon my experience with RRMM Architects with whom we contracted to provide architectural and engineering services for the construction of our new Fire Headquarters and Emergency Operations Center, I highly recommend RRMM Architects as a firm that has earned its reputation for comprehensive and creative designs with exceptional customer service. The working relationship created between our staffs resulted in a quality final product that has proven to be an efficient, functional and prominent asset to our community.”

Mark R. Outlaw
Fire Chief, Ret.
City of Suffolk

- Fire & Rescue Headquarters + Station #6, Suffolk, VA
- Fire Admin HQ & Fire Station #7 at Town Center, Virginia Beach, VA
- Blackwater Fire + EMS Station, Virginia Beach, VA
- Fire Station #3, Williamson Road, Roanoke, VA
- New Fire Station #10 + Logistics Support Center, Chesapeake, VA
- New Fire Bureau Facility & Fire Station, Hopewell, VA
- Aircraft Rescue + Fire Fighting Facility, Marine Corps Air Station New River, Jacksonville, NC
- Fire Station #1, Portsmouth, VA
- Fire Station #4, Portsmouth, VA
- Gunston Fire Station, Fairfax County, VA
- Bailey’s Crossroads Temporary Fire Station, Fairfax County, VA
- Cityline Fire Station Feasibility Study, Fairfax County, VA
- Lincoln Fire Station Feasibility Study, Fairfax County, VA
- Fire Station #8 Feasibility Study, Arlington County, VA
- Army Public Safety Center, New Cumberland, PA
- Fire Training Facilities, Chesterfield County, VA & Aurora, CO
- Existing Fire Station #7 and #9: Facility Conditions Assessment
- Fire Training Facility, City of Alexandria, VA
- Third Patrol Police Precinct, Norfolk, VA
- New Police Facility, Hopewell, VA
- New 4th Precinct Police Station, Virginia Beach, VA
- 2nd Patrol Police Precinct Renovation, Norfolk, VA
- New Police Sub-Station, Chesterfield County, VA
- Ft. Myer Public Safety Building, Ft. Myer, VA
- Police + Security Operations Facility, JEB Little Creek-Fort Story, Norfolk, VA
- Facility Conditions Assessment and Space Needs Study, Joint Public Safety Facility, Town of Duck, NC
- Ft. Meade Fire Station, MD
- Sixth Precinct Police Facility Study, Chesapeake, VA
- Joint Public Safety Training Facility Study and Conceptual Design, Chesapeake, VA
- Public Safety Headquarters Study, Chesapeake, VA
- Nansemond Parkway Public Safety Center + Training Facility Study and Master Plan, Suffolk, VA
- New Public Safety Building Study & Conceptual Design, Hopewell, VA
- DHS Command Center Security Upgrades, Washington, DC



OWNER

City of Roanoke, VA

PROJECT STATUS

Completed 2009

PROJECT SIZE / COST

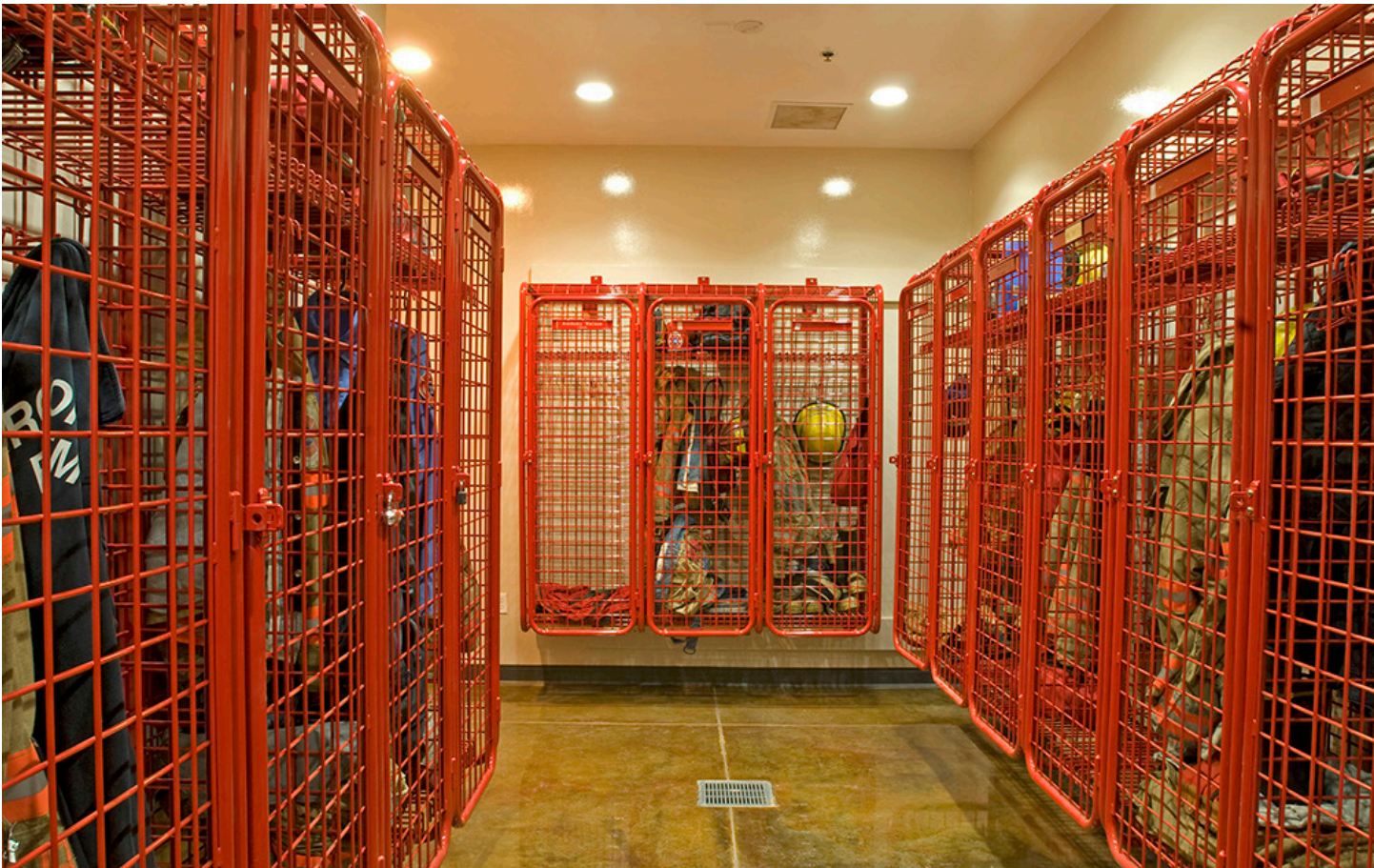
8,000 SF / \$1.8 Million

WILLIAMSON ROAD FIRE STATION

Roanoke, Virginia

RRMM Architects completed this new fire station for the City of Roanoke. The building provides two double deep drive-thru apparatus bays, an operations center, and all support functions required for Fire/EMS personnel – six “cold sheet” dorm rooms, offices, kitchen and a dining-dayroom that doubles as a community room. The project included development of all site work required to meet the maneuvering requirements of fire apparatus assigned to the station and on-site parking for department and personal vehicles. The design incorporates sustainable elements and was Roanoke City’s first application for a LEED Certified project. Some of the station’s sustainable features include:

- Rainwater harvesting (water used for flushing toilets & washing bays & rigs)
- Low-flow toilets & showers
- Bio-Retention Pond & Pervious Concrete Parking Lot
- Stained Concrete floors & Fly Ash Concrete
- Low VOC materials & Locally produced/distributed materials
- Recycled content materials & Construction waste recycling
- High performance thermal envelope & soy-based spray foam insulation in roof rafters (unventilated attic)
- Enhanced commissioning
- Green Education Video
- Bicycle Rack & Kitchen Composting machine for food scraps





OWNER

York County, VA

PROJECT STATUS

Completed 2019

PROJECT SIZE / COST

18,000 SF / \$6.5 Million

FIRE-EMS STATION #1 + 3-STORY TACTICAL TRAINING TOWER

Yorktown, Virginia

York County's first fire station, Grafton Fire Station #1, was originally constructed by members of the York Volunteer Fire Department in 1960. After conducting a facility assessment, it was determined that the original station no longer could support staff growth needs and that the aging facility had exceeded its life expectancy. The most feasible solution was to design and construct a new fire station on a separate site.

The project consisted of a new, state-of-the-art, 5-bay fire station designed to meet today's emergency response needs and includes provisions for future growth. A new, 3-story training tower provides the opportunity to conduct simulated rescue training on the same site. As an "essential facility", this new fire-ems station was designed meet today's emergency response needs, and other stringent performance standards and guidelines, such as; NFPA 1500/1710, FEMA & ISO, CPTED standards, along with other applicable mission critical standards.

The new fire-ems station includes 5 apparatus bays, decon room, ready-gear room, scba & work shop, along with integrated indoor training props in the apparatus area, enabling the staff to simulate ladder-climbing to access windows and hold repelling drills to simulate manhole-rescue scenarios. The bunk rooms and toilet-shower rooms are designed as a gender-friendly environment to accommodate all staff members. The kitchen, dining room and dayroom were designed as a shared "open space" concept, to encourage social engagement between the staff.

The County's initial target was LEED Certified, however, using an integrated team approach, the project achieved LEED Silver certification. Sustainable features include a geothermal system, LED lights, system controls and indoor air quality strategies that provide a safe and healthy environment.





OWNER

City of Chesapeake, VA

PROJECT STATUS

Completed 2021

PROJECT SIZE / COST

16,000 SF Fire-EMS Station

15,000 SF Logistics Support

\$8.1 Million

4-BAY FIRE-EMS STATION #10 + PUBLIC SAFETY LOGISTICS SUPPORT CENTER

Chesapeake, Virginia

4-BAY FIRE-EMS STATION

The new, 4-bay fire-ems station is 16,000 SF and includes provisions for readily accommodating future growth. Considered an “essential facility”, this new fire-ems station was designed to meet today’s emergency response needs, and a special focus was placed on designing this new facility to meet other stringent performance standards and guidelines, such as; NFPA 1500/1710, FEMA & ISO, CPTED, along with other applicable mission critical standards.

The main station includes; radio/watch room, staff offices, conf/study rooms, and a fitness room. The kitchen, dining room and dayroom were designed as a ‘open space’ concept, which provides clear open views through all shared spaces to encourage social engagement and to create a sense of comradery. Bunk spaces and toilet-shower rooms are designed as an ADA compliant and gender-friendly environment to accommodate all staff members, with special consideration given to accommodating personal space needs.

The apparatus bay area includes; four drive-through bays, decon room, shop/scba, turnout gear, and ems storage. The facility also includes integrated training props in the apparatus area, enabling firefighters to simulate ladder-climbing to access windows and to hold repelling drills that simulate rescue scenarios.

PUBLIC SAFETY LOGISTICS SUPPORT CENTER

The new logistics support center is 15,000 SF and includes a large warehouse for managing and storing all emergency apparatus and equipment, along with staff offices, decon room, ppe repair/storage, and a large multi-purpose training/conference room. Lastly, this facility also includes a certified Indoor CPAT Course.





OWNER

City of Hopewell, VA

PROJECT STATUS

Design Complete

PROJECT SIZE / COST

37,000 SF / \$10.8 Million (est.)

FIRE STATION + FIRE BUREAU'S ADMINISTRATION HEADQUARTERS

Hopewell, Virginia

The City of Hopewell commissioned RRMM to design a replacement facility to house the Fire Bureau's administrative and training offices, combined with a full service, 6-bay fire station. RRMM has worked closely with the City Fire Chief and his staff, as well as the Director of Public Works, to design a 2-story building to house the Fire Bureau's and fire station functions.

The new facility is sited on Arlington Drive and with public, staff, and equipment parking spaces. Driveways and aprons used by fire apparatus will be constructed of reinforced concrete paving; all other paving will be bituminous. The exterior design and materials were selected to compliment the civic style of the newest City facilities including a new police building, also designed by RRMM.

Of particular note is the Emergency Operations Center. This Center is located on the First Floor of the new building in order to be accessible by other City departments when it is activated. Break rooms that double as sleeping quarters, vending and kitchen facilities are located adjacent to the Center, as well as toilet and shower rooms. The Center is placed inboard of the exterior walls and on the lowest floor level in order to be sheltered from possible damage created by major storm events. The entire upper floor level is secured from the public and non-fire service personnel by security hardware at stair and elevator door assemblies.





OWNER

City of Virginia Beach, VA

PROJECT STATUS

Complete 2014

PROJECT SIZE / COST

11,408 SF / \$4.1 Million (est.)

BLACKWATER FIRE + EMS STATION

Virginia Beach, Virginia

This Design/Build project has a pre-engineered metal building structural frame. The project provides a single-story neighborhood fire station that features 5 bays, a kitchen/day room, 8 individual bunkrooms, a fitness room, and offices for Fire and EMS personnel as well as storage, maintenance, and additional support areas. All fire protection, mechanical/electrical, fire alarm, security, communications/data, and cable television systems were included as well. As the station was constructed adjacent to the current fire station, detailed construction phasing plans were developed to ensure that current fire station operations were not adversely impacted by construction traffic and/or noise.

The City of Virginia Beach continues to lead the way with embracing the guiding principles of sustainable design, striving to implement many green building strategies that not only result in reduced energy use, but also provides optimum indoor air quality, long with other features that contribute to a healthier environment. The sustainable design strategies and features provided in this new fire station include a geothermal mechanical system, energy efficient LED lighting, optimize natural daylighting, high performance thermal envelope, low VOC paints, sealant and adhesives, energy efficient appliances high performance windows and FSC certified wood materials.



GH | FIRM PROFILE



Hopkins | Lacy is a Roanoke, Virginia-based Mechanical, Electrical, and Fabrication contracting firm. Founded in 1958, Hopkins | Lacy has become one of southwest Virginia's most respected commercial construction companies. With the merger of L.A. Lacy in 2021, our combined 164-year history gives us unparalleled experience and knowledge.

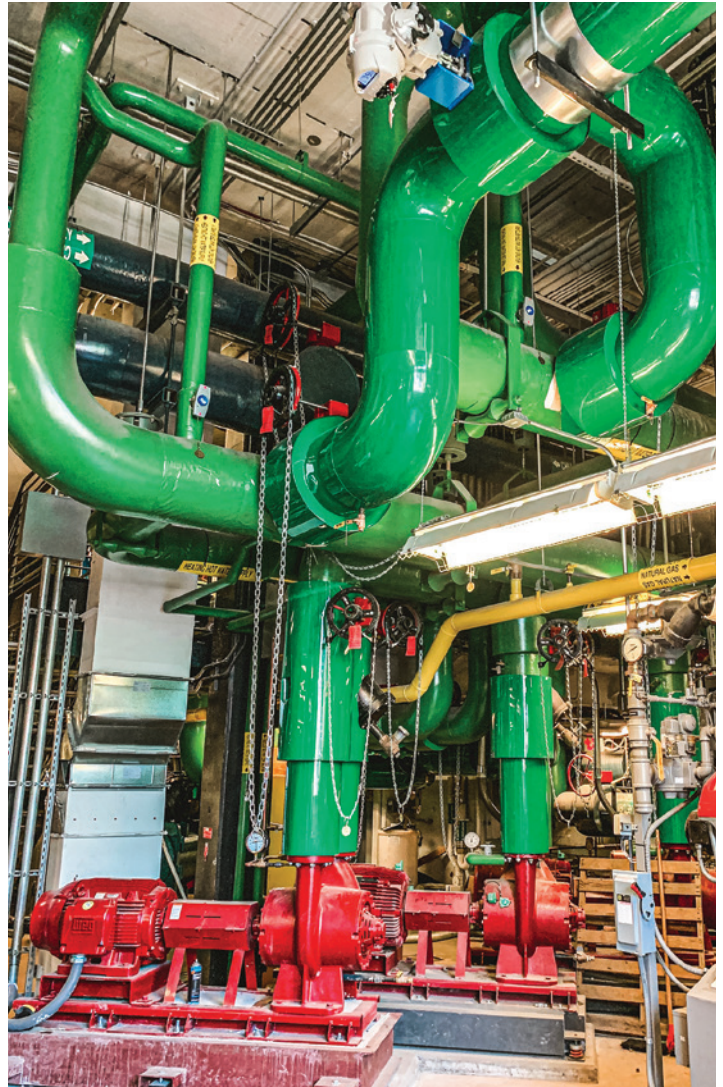
As a business unit within the Branch Group, an ESOP (Employees Stock Ownership Plan) company, we have a stronger financial position, long-term management, and greater technical expertise than our competitors. Being employee-owned means our teams care about the work they provide because their futures depend on it. The company continues to build upon the high standards of quality and sound engineering skills our customers have come to expect. We have licensed engineers on staff to handle the design/build needs of a client or to offer an additional level of expertise and knowledge to a traditional bid specification project. Additionally, recent investment in technology and state-of-the-art fabrication operations means we are a full-cycle contractor. From preconstruction to building your project to twenty years in the future, we are here for you.

Our company has performed mechanical, electrical, sheet metal, technology, and 24-hour services for many of Virginia's largest and most technically sophisticated corporations and our surrounding states.

OFFICE LOCATIONS

3635 PETER'S CREEK ROAD
ROANOKE, VA 24019

1809 BROADWAY STREET
CHARLOTTESVILLE, VA 22902



EH | PROJECT EXPERIENCE

BRECKINRIDGE MIDDLE SCHOOL | ROANOKE,VA

3601 Ferncliff Avenue,NW
Roanoke ,VA
Jeff Shawver | 540-853-2851

HENRY COUNTY REGIONAL JAIL | MARTINSVILLE, VA

Kings Mountain Road
Collinsville, Virginia 24078
Veronica Venable | 540-634-4604

FAIRVIEW ELEMENTARY | ROANOKE,VA

3601 Ferncliff Avenue,NW
Roanoke ,VA
Jeff Shawver | 540-853-2851

PULASKI MIDDLE SCHOOL | PULASKI, VA

202 North Washington Avenue
Pulaski, VA 24301
Kevin Siers | 540-994-2550

FALLON PARK ELEMENTARY | ROANOKE,VA

3601 Ferncliff Avenue,NW
Roanoke ,VA
Jeff Shawver | 540-853-2851

AUBURN HIGH SCHOOL | CHISTIANSBURG,VA

200 Junkin Street
Christiansburg, VA 24073
Connie L. Froggatt | 540-818-9340

VTC BIOMEDICAL RESEARCH EXPANSION | ROANOKE,VA

2 Riverside Circle
Roanoke, VA 24016
Brian Stafford | 1-540-744-5773

VWCC STEM ENGINEERING BUILDING | ROANOKE,VA

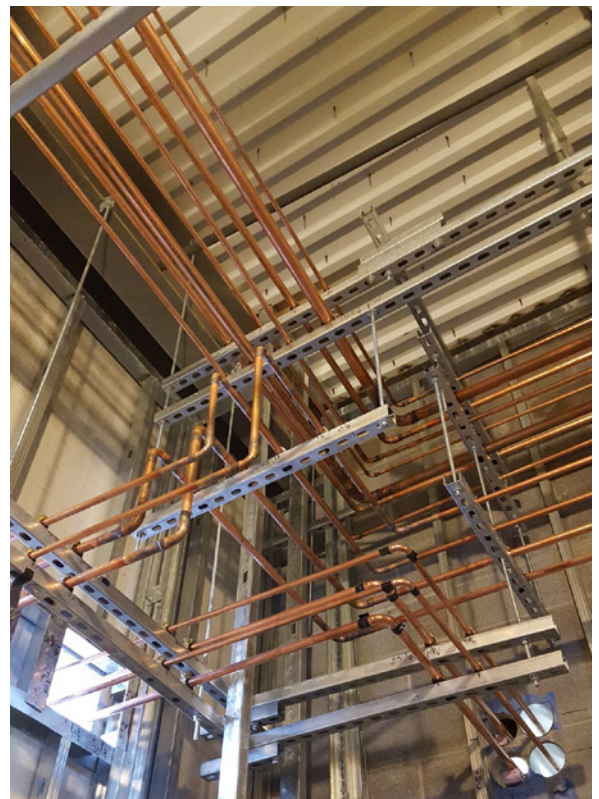
Business Science Building | M230
Roanoke, VA 24015
Robert Sandel | 540-857-8922

EMORY & HENRY HEALTH SCIENCES | EMORY,VA

565 Radio Hill Rd, Marion, VA 24354
Karen Alley | 1-276-944-6342

RADFORD UNIVERSITY SCIENCE BLDG | RADFORD,VA

P.O. Box 6909
Radford, VA 24142
RU Facilities | 1-540-831-5964





Bringing **140 YEARS** of engineering
EXCELLENCE to *each and every*
PROJECT



Established in 1881, Froehling & Robertson, Inc. is the oldest independent consulting engineering/testing firm in the United States. Since our founding, F&R has transitioned from a single chemical laboratory to a multi-disciplined, minority-owned firm with 11 locations serving the Mid-Atlantic. Our focus is to help clients by providing them with stellar service in environmental consulting, subsurface exploration and geotechnical engineering, construction materials testing, and special inspections. Understanding that everything we do is in the service of helping clients meet their project and program goals, we strive to advance the quality and stability of every project we touch in order to protect people and property.

FULLY INTEGRATED SERVICES *Doing the Work That Matters*

Geotechnical Engineering 

Construction Materials Testing 

Third Party and Special Inspections 

Environmental Consulting 

Geostructural Monitoring 

Drilling Services 

WELCOME TO STABILITY *Getting the Job Done, Every Day, Every Community.*

Responsive Local Offices...Big Company Resources.

We are close and available to serve you on every project, no matter the location, even when your timelines are challenging.

One Stop Service = No Delays and No Surprises

Completely in-house drilling, AASHTO accredited materials testing laboratories, and certified professional staff.

A Minority-Owned Business.

F&R is a minority-owned Virginia SWaM and North Carolina HUB business. As such, we can help your team meet its minority utilization goals.



Fire Station Experience

Fort Lewis Fire Station Pavement Restoration

Geotechnical Services related to Design and Construction

Roanoke Fire-EMS Station #7

Geotechnical, Environmental, & CMT Services related to Design and Construction

Stuart Fire Department

CMT Services related to Construction

Roanoke City Fire Station #13

Environmental Services related to Planned Renovations

Elliston Fire Station Pavement Evaluation

Geotechnical Services related to Pavement Distress

Roanoke City Fire Station #8

Emergency Environmental Services related to Renovations

Hollins Fire Station Concrete Pavement Replacement

Geotechnical Services related to Design and Construction

Police Substation and Fire & Rescue Double Wide Asbestos Survey

Environmental Services related to Demolition

Roanoke County Fleet Maintenance Facility Phase I ESA

Environmental Services related to Proposed Construction



Roanoke County Experience

Fort Lewis Fire Station Pavement Restoration

Geotechnical Services related to Design and Construction

Roanoke County Courthouse Addition

Geotechnical & CMT Services related to Design and Construction

Roanoke County Public Service Center Relocation

Geotechnical & CMT Services related to Design and Construction

Craig Avenue Recreation Center Asbestos & Lead Survey

Environmental Services related to Planned Renovations

Bent Mountain Community Center Interior Limited Asbestos Survey

Environmental Services related to Planned Renovations

East Roanoke River Greenway Extension

Geotechnical Services related to Design and Construction

Roanoke County Social Services Building

Environmental Services related to Suspect Asbestos-Containing Materials

Roanoke County Parks & Recreation Center

Environmental Services related to Suspect Asbestos-Containing Materials

Roanoke County Fleet Maintenance Facility Phase I ESA

Environmental Services related to Proposed Construction

Hollins Fire Station Concrete Pavement Replacement

Geotechnical Services related to Design and Construction

Police Substation and Fire & Rescue Double Wide Asbestos Survey

Environmental Services related to Demolition

Glenvar Library Picnic Area

CMT Services related to Construction

William Byrd High School Renovation

CMT Services related to Construction

Cave Spring High School Improvements

CMT Services related to Construction

Glenvar High School Renovations and Additions

Geotechnical Services related to Design and Construction

QUALIFICATIONS & EXPERIENCE

3.1.2.2. Proposer's overall qualifications, capabilities, and experience as it relates to this Project. Explain your understanding of, and experience with, the PPEA delivery method.

Our overall qualifications were provided in the previous section, including information related to our unmatched PPEA expertise for a local, Roanoke-based firm. In this section we will expand upon our experience with PPEA design-build delivery as it is a unique project delivery vehicle that requires unique processes, services, and sophistication.

Collaboration and partnership are the fundamental drivers of the PPEA design-build process. In executing PPEA services, Branch assumes the role of project advocate, placing our client's project objectives and the ultimate success of the project above all else. Our seasoned PPEA professionals will serve as a guide for Roanoke County with regard to navigating the nuances of PPEA delivery, providing cost-saving preconstruction analysis throughout design, and then efficiently managing the construction of the fire station utilizing our LEAN TCP protocol.

Branch's PPEA experience includes the following projects:

- Blacksburg High School | \$54.4M
- Auburn High School | \$34.7M
- Auburn Middle School | \$18.4M
- Christiansburg Multi-Elementary Schools PPEA | \$35M
 - Christiansburg Primary School
 - Christiansburg Elementary School
 - Belview Elementary School

Branch is currently in the preconstruction phase on the following additional PPEA projects:

- Danville Johnson Elementary School | \$32M
- Lancaster Combined High School/Middle School | \$55M
- Buchanan County High School | \$75M

3.1.2.3. The Proposer shall provide documentation on a minimum of three PPEA projects that best demonstrates its ability to successfully perform this Project and where the Proposer was contracted directly with the project owner. Proposer must provide copy of the its DPOR contractor license and will be required to have a County business license before the contract award.



QUALIFICATIONS & EXPERIENCE

Branch offers Roanoke County unmatched PPEA design-build experience from a local, Roanoke-based firm. PPEA delivery is the primary approach Branch utilizes today to design & construct K-12 schools across the Commonwealth. Our current PPEA clients include Montgomery County Public Schools (Repeat PPEA Client), Buchanan County Public Schools, Lancaster County Public Schools, and Danville Public Schools just selected Branch for their new Johnston Elementary School PPEA project.

Case Study | Branch was selected by neighboring Montgomery County to undertake the difficult task of simultaneously designing and constructing 3 separate schools:

- New Blacksburg High School
- New Auburn High School
- Auburn Middle School (Reno of old HS)

We were able to expertly achieve MCPS' goals by fast-tracking the design and construction schedules to meet each of their challenging occupancy goals for each school. It should be noted that our Bonsack Fire Station Consultant, RRMM, was the architect of record on the two Auburn Schools.

We have provided information on these 3 projects on the following pages.



BLACKSBURG HIGH SCHOOL

BLACKSBURG, VIRGINIA



**Montgomery County
Public Schools**

**OWNER | MONTGOMERY COUNTY
SCHOOL BOARD**
200 Junkin Street
Christiansburg, VA 24073

ARCHITECT | SHW
609 East Market Street, Suite 202
Charlottesville, VA 22902

CONTRACT TYPE | Design-Build

CONTRACT AMOUNT | \$54.4 Million

SF | 300,000sf

PPEA

Blacksburg High School is one of three packaged design-build schools (overall value \$107.5 Million) awarded to Branch in July 2011 through a highly competitive PPEA selection process conducted by the Montgomery County School Board. Branch contracted and partnered with SHW Design Group from their Charlottesville, VA regional office for architecture, OWPR of Blacksburg, VA for structural and MPE design and Gay & Neel of Blacksburg, VA for civil engineering design. The organization of the 300,000sf new high school on 3 stories optimizes the sloping topography of the site, allowing for the large school to remain relatively compact while creating a strong connection between CTE, sporting, performance and academic areas. The center of each classroom group was designed to provide flexible, technology-rich spaces for student-centered learning, with the building oriented to take full advantage of daylight harvesting.

To address the building's massing while creating character compatible to the adjoining Blacksburg Middle and Kipps Elementary Schools, the team chose brick in contrasting patterns, extensive high-performance glass, sloping metal roofs and siting of the auditorium and gymnasium spaces partially below grade to minimize contrasting articulation. Design and construction also includes sophisticated energy modeling, dimmable lighting controlled by sensors, light shelves, sloped ceilings and a high-performance "energy star" rated 4-pipe HVAC system.

Overall, the project was constructed in less than 20 months and successfully delivered in August 2013.



AUBURN HIGH SCHOOL

RINER, VIRGINIA



Montgomery County Public Schools

**OWNER | MONTGOMERY COUNTY
SCHOOL BOARD**

200 Junkin Street
Christiansburg, VA 24073

ARCHITECT | RRMM
28 Church Avenue, SW
Roanoke, VA 24011

CONTRACT TYPE | Design-Build

CONTRACT AMOUNT | \$34.7 Million

SF | 175,000sf

PPEA

Auburn High School is one of three packaged Design-Build schools (overall value \$110,000,000.00) awarded to Branch Builds, Inc. in July 2011, through a highly competitive PPEA selection process conducted by the Montgomery County School Board. Branch contracted and partnered with RRMM Architects from Roanoke, VA, OWPR of Blacksburg, VA, for civil engineering design, Stroud Pence & Associates for structural design and Lawrence Perry & Associates for MPE design. The orientation of the 175,000sf new high school created a strong connection between CTE, sporting, performance and academic areas with the center of the classroom areas designed to provide flexible, technology-rich spaces for student-centered learning.

To address the building's character to the adjoining school (former historic Auburn High School which was reconfigured into the new Auburn Middle School with construction commencing upon completion of the new HS) the team chose brick in contrasting patterns, extensive high-performance glass for clerestory and roof monitors and complimenting sloping metal and flat roofs. Construction also included sophisticated energy modeling, dimmable lighting controlled by sensors, light shelves and a high-performance "energy star" HVAC system which included both 4-pipe and packaged roof-top units for upfront costs and after-hours usage of certain "public" areas of the building. The project was constructed on a fast-track schedule with partial Guaranteed Maximum Pricing (GMP) breakouts to facilitate early site grading, foundation and structural steel packages. Overall, the project was constructed in 20 months.



AUBURN MIDDLE SCHOOL

RINER, VIRGINIA



Montgomery County Public Schools

OWNER | MONTGOMERY COUNTY PUBLIC SCHOOLS

200 Junkin Street
Christiansburg, VA 24073

ARCHITECT | RRMM

28 Church Avenue SW
Roanoke, VA 24011

CONTRACT TYPE | Design-Build

CONTRACT AMOUNT | \$18.4 Million

SF | 120,000sf

PPEA

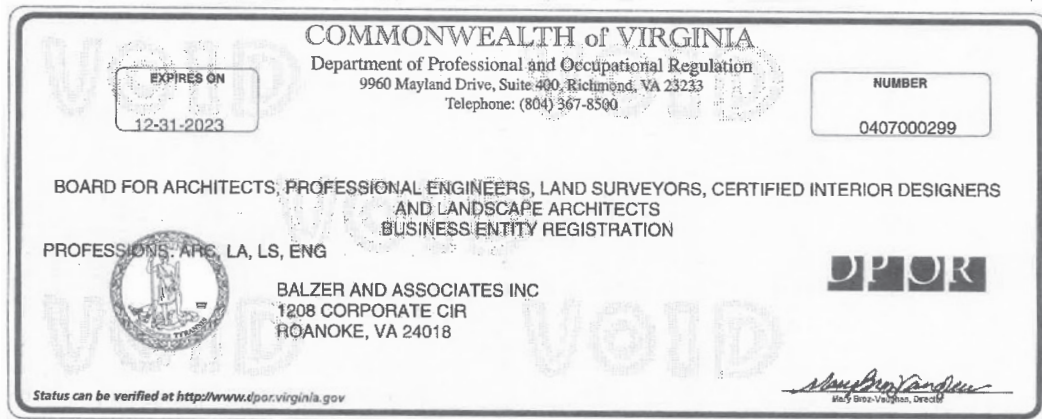
Auburn Middle School is a 120,000sf Design-Build project Branch Builds, Inc. and design partners RRMM Architects, OWPR, Stroud & Pence and Lawrence Perry & Associates were awarded via a highly competitive Public Private Partnership selection process.

The new Auburn Middle School captures and re-uses the primary façade and 1953 addition of the former high school while creating a new 120,000sf learning center. To address the building's historic character, the new Auburn Middle School segues with the existing structure through use of matching brick, massing, roof shapes and building articulation to compliment the original design. Construction incorporates sophisticated energy modeling, new dimmable lighting controlled by sensors, light shelves and a high-performance "energy star" HVAC system which includes both 4-pipe and packaged HVAC units. The project commenced immediately following construction of the new Auburn High School and was constructed on an accelerated fast-track schedule.



QUALIFICATIONS & EXPERIENCE

- 3.1.2.4. The architectural firm shall provide documentation on a minimum of three projects similar in scope, as defined in the project description that best demonstrates its ability to perform this Project successfully. A copy of the firm's current DPOR professional registration shall be provided.

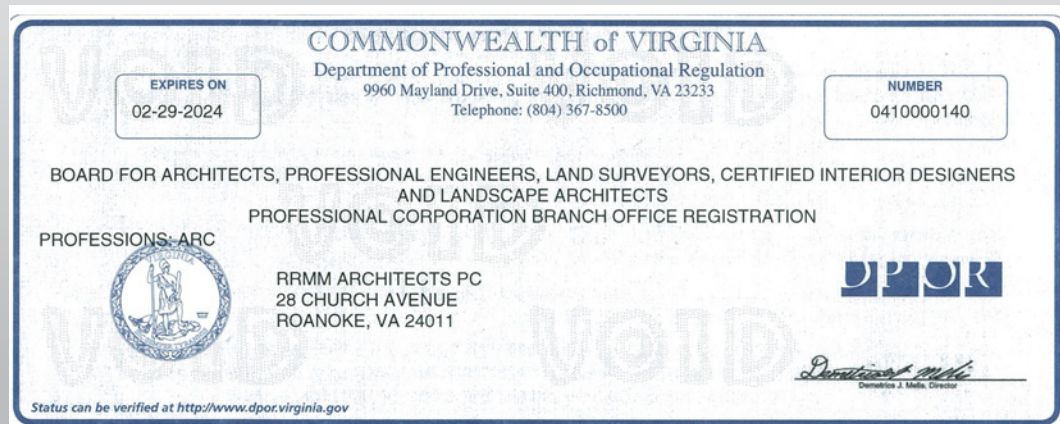


Representative Projects

- E911 Virginia 811 Communications Center
- Progress Park PPEA
- Route 636 Relocation PPEA

Please see the following pages for more information on these three projects.

- 3.1.2.5. If a fire station consultant is included as part of the Proposer's team, the fire station consultant shall provide documentation on a minimum of three projects similar in scope as defined in the Project description that best demonstrates its ability to perform this Project. A copy of the firm's current professional registration shall be provided.



Representative Projects

- Williamson Road Fire Station
- Yorktown Fire-EMS Station #1 & 3-Story Tactical Training Tower
- Hopewell Fire Station & Fire Bureau's Administration Headquarters

Please see the following pages for more information on these three projects.

E911 VIRGINIA 811 COMMUNICATIONS CENTER

Roanoke, Virginia

OWNER - City of Roanoke

PROJECT SIZE - 31,000 SF

COMPLETION - 2020

SERVICES PROVIDED

Survey, Environmental, Architecture

Structural Engineering, Civil Engineering,

Landscape Architecture



The E911 Virginia 811 Communications Center in Roanoke, Virginia, is a unique, mission critical facility that houses the City of Roanoke's Emergency 911 Department and Virginia 811 Utility Protection Services. The Communications Center is a Category IV Essential Facility, requiring specialty communications equipment and back-up power. The one-story, 31,000 square foot building sits on a 6.5- acre site and includes workout rooms, locker rooms, offices, quiet rooms, conference, training, and a covered outdoor patio. Building construction includes structural steel and concrete block, brick and CMU veneer, and a metal roof. The Communications Center is a partnership that will operate 24-7, is expected to take more than 1 million phone calls per year, and is capable of assisting with major events and multi-jurisdictional incidents. The project is on schedule for LEED certification.

ROUTE 636 RELOCATION

Fishersville, Virginia

OWNER - Augusta County

SERVICES PROVIDED

Civil Engineering, Surveying

Permitting, Wetlands



Balzer and Associates provided the design, coordination, and permitting for the relocation for approximately 1 mile of new multi-lane arterial road through Augusta County, Virginia.

PROGRESS PARK

Wythe County, Virginia

OWNER - Wythe County Industrial
 Development Authority

SERVICES PROVIDED

Civil Engineering, Surveying

Environmental, Geotechnical



Balzer and Associates provided the design, coordination, and permitting for the relocation for approximately 1 mile of new multi-lane arterial road through Augusta County, Virginia.



WILLIAMSON ROAD FIRE STATION

Roanoke, Virginia

OWNER - City of Roanoke

PROJECT STATUS - Completed 2009

PROJECT SIZE / COST - 8,000 SF / \$1.8 Million

RRMM Architects completed this new fire station for the City of Roanoke. The building provides two double deep drive-thru apparatus bays, an operations center, and all support functions required for Fire/EMS personnel – six “cold sheet” dorm rooms, offices, kitchen and a dining-dayroom that doubles as a community room. The project included development of all site work required to meet the maneuvering requirements of fire apparatus assigned to the station and on-site parking for department and personal vehicles. The design incorporates sustainable elements and was Roanoke City’s first application for a LEED Certified project. Some of the station’s sustainable features include:

- Rainwater harvesting (water used for flushing toilets & washing bays & rigs)
- Low-flow toilets & showers
- Bio-Retention Pond & Pervious Concrete Parking Lot
- Stained Concrete floors & Fly Ash Concrete
- Low VOC materials & Locally produced/distributed materials
- Recycled content materials & Construction waste recycling
- High performance thermal envelope & soy-based spray foam insulation in roof rafters (unventilated attic)
- Enhanced commissioning
- Green Education Video
- Bicycle Rack & Kitchen Composting machine for food scraps



FIRE-EMS STATION #1 + 3-STORY TACTICAL TRAINING TOWER

Yorktown, Virginia

OWNER - York County, VA

PROJECT STATUS - Completed 2019

PROJECT SIZE / COST - 18,000 SF / \$6.5 Million

York County’s first fire station, Grafton Fire Station #1, was originally constructed by members of the York Volunteer Fire Department in 1960. After conducting a facility assessment, it was determined that the original station no longer could support staff growth needs and that the aging facility had exceeded its life expectancy. The most feasible solution was to design and construct a new fire station on a separate site.

The project consisted of a new, state-of-the-art, 5-bay fire station designed to meet today’s emergency response needs and includes provisions for future growth. A new, 3-story training tower provides the opportunity to conduct simulated rescue training on the same site. As an “essential facility”, this new fire-ems station was designed meet today’s emergency response needs, and other stringent performance standards and guidelines, such as; NFPA 1500/1710, FEMA & ISO, CPTED standards, along with other applicable mission critical standards.

The new fire-ems station includes 5 apparatus bays, decon room, ready-gear room, scba & work shop, along with integrated indoor training props in the apparatus area, enabling the staff to simulate ladder-climbing to access windows and hold repelling drills to simulate manhole-rescue scenarios. The bunk rooms and toilet-shower rooms are designed as a gender-friendly environment to accommodate all staff members. The kitchen, dining room and dayroom were designed as a shared “open space” concept, to encourage social engagement between the staff.

The County’s initial target was LEED Certified, however, using an integrated team approach, the project achieved LEED Silver certification. Sustainable features include a geothermal system, LED lights, system controls and indoor air quality strategies that provide a safe and healthy environment.



FIRE STATION + FIRE BUREAU’S ADMINISTRATION HEADQUARTERS

Hopewell, Virginia

OWNER - City of Hopewell, VA

PROJECT STATUS - Design Complete

PROJECT SIZE / COST - 37,000 SF / \$10.8 Million (est.)

The City of Hopewell commissioned RRMM to design a replacement facility to house the Fire Bureau’s administrative and training offices, combined with a full service, 6-bay fire station. RRMM has worked closely with the City Fire Chief and his staff, as well as the Director of Public Works, to design a 2-story building to house the Fire Bureau’s and fire station functions.

The new facility is sited on Arlington Drive and with public, staff, and equipment parking spaces. Driveways and aprons used by fire apparatus will be constructed of reinforced concrete paving; all other paving will be bituminous.

The exterior design and materials were selected to compliment the civic style of the newest City facilities including a new police building, also designed by RRMM.

Of particular note is the Emergency Operations Center. This Center is located on the First Floor of the new building in order to be accessible by other City departments when it is activated. Break rooms that double as sleeping quarters, vending and kitchen facilities are located adjacent to the Center, as well as toilet and shower rooms. The Center is placed inboard of the exterior walls and on the lowest floor level in order to be sheltered from possible damage created by major storm events. The entire upper floor level is secured from the public and non-fire service personnel by security hardware at stair and elevator door assemblies.



QUALIFICATIONS & EXPERIENCE

3.1.2.6. For previous experience working together, include any project where the Proposer and lead design professional have previously worked together as a team on a Design-Build project.

Branch has worked in partnership with both Balzer & Associates and RRMM Architects for decades. Highlights of our partnering experience over the last 10 years includes:

Branch & Balzer

- AEP Parking Deck (Design-Bid-Build)
- Deschutes Tasting Room (CM@Risk w/ Design-Build precon services)
- Grammercy Row Apartments (CM@Risk w/ Design-Build precon services)

Branch & RRMM

- Auburn High School PPEA (Design-Build)
- Auburn Middle School PPEA (Design-Build)
- Pulaski Middle School (Design-Bid-Build)
- RCC Aquatics Renovation (Design-Bid-Build)
- Emory & Henry School of Health Sciences (Design-Build)
- Richard Bland College Ernst Hall Renovation (Design-Bid-Build)

3.1.2.7. Provide three referrals or references from other agencies and owners.

Roanoke College	Frederick County School Board	Prince William County
Mike Maxey	Dr. Al Orndorff	Karen Fitzgibbon
221 College Lane	1415 Amherst Street	4361 Ridgewood Center Drive
Salem, VA 24153	Winchester, VA 22601	Prince William, VA 22192
540-375-2200	540-662-3888	703-792-6698

3.1.2.8. Experience and qualifications of the structural, mechanical, electrical, plumbing, HVAC, civil, and any specialty consulting firms participating in the design effort.

Hopkins | Lacy will provide comprehensive Mechanical, Electrical and Plumbing design-build services on the Bonsack Fire Station project. Hopkins | Lacy is Branch's MEP arm and is widely considered the preeminent MEP firm in Southwest Virginia. Hopkins | Lacy offer unmatched sophistication and technical expertise. Carilion Clinic and Virginia Tech Corporate Research Center both prescribe Hopkins | Lacy's involvement on virtually all of their projects and have for decades.

Hopkins | Lacy will work in coordination with Balzer and RRMM to design the crucial fire station MEP systems. In addition to expert design, engineering and installation, Hopkins | Lacy brings numerous value-added services such as Systems design / engineering, 3-D modeling (BIM), Prefabrication, Balancing, Commissioning among others.

Please refer to *Section 3.1.2.1 - Experience* section of this proposal for more information on Hopkins | Lacy's capabilities and experience.

3.1.2.9. Identify proposed subcontractors and your method of subcontractor selection.

The Branch | Balzer | RRMM design-build team will require no other subconsultants in the design and management of this project.

QUALIFICATIONS & EXPERIENCE

As for construction trade partners, we will solicit participation from local and surrounding area subcontractors who are best qualified for this public safety facility. Given the volatile construction market we are currently facing and the fact trade partners are unable to make future commitments at this time, the only proposed trade partner we are submitting at this time is Hopkins | Lacy, our MEP design-build partner. While Hopkins | Lacy would be considered a trade partner as we move to construction, they are also serving as our team's MEP designer.

As the design progresses, we will be pre-qualifying trade partners and will be collaborating with Roanoke County and our designers to develop a comprehensive list of potential subs. We will ensure at least 3 bids per trade, if not more. The team will evaluate all bids, and while Branch will make recommendations, the entire project team (including Roanoke County) will have a role in selecting the trade partners to receive subcontracts.

3.1.2.10. Describe each firm's position within the team and its role in this Project.

Branch Builds, Inc. | Design-Builder

Branch will hold the contract and will serve as Roanoke County's primary point of contact. Our role is to be an advocate for the project and a steward of Roanoke County Resources. We will provide professional preconstruction services during the design to maximize value for Roanoke County and we will manage the construction on-site.

Balzer & Associates | Architectural Design & Engineering

Balzer will provide comprehensive architectural design services as well as civil and structural engineering. Balzer will oversee the work of all design and engineering elements and will work in partnership with RRMM to incorporate all fire station design best practices.

RRMM Architects | Fire Station Design Consultant

RRMM will work cooperatively with Balzer & Associates in providing professional fire station consulting services. RRMM offers the specialized experience necessary to ensure this new facility contains all facets of modern fire station functionality and efficiency.

Hopkins|Lacy | MEP Design-Build Services

Hopkins | Lacy, a Branch Group Company, is one of Virginia's leading MEP firms, having been involved in many of Roanoke's most iconic projects and being the designated MEP firm for Carilion Health and the Virginia Tech Corporate Research Center. Hopkins | Lacy will work in collaboration with Balzer and RRMM to design, engineer and install the mechanical, electrical and plumbing systems.

Froehling & Robertson, Inc. | Geotechnical Services

F&R will serve as our team's geotechnical engineer and will work in concert with Balzer & Associates' civil engineering team to provide Geotech services.

QUALIFICATIONS & EXPERIENCE

3.1.3. For each firm or major subcontractor (\$100,000 or more) that will be utilized in the Project, provide a statement listing all of the firm's prior projects and clients for the past 3 years and contact information for same (names/ addresses/telephone numbers). If a firm has worked on more than ten (10) projects during this period, it may limit its prior project list to ten (10), but shall first include all projects similar in scope and size to the proposed Project and, second, it shall include as many of its most recent projects as possible. Each firm or major subcontractor shall be required to submit all performance evaluation reports or other documents which are in its possession evaluating the firm's performance during the preceding three years in terms of cost, quality, schedule maintenance, safety and other matters relevant to the successful project development, operation, and completion. Provide resumes of the key individuals who will be involved in each phase of the Project.

The primary members of the Branch | Balzer | RRMM team have far more than 10 projects per year, so we are providing lists of the most relevant projects/clients/services to the Bonsack Fire Station project.

Branch Builds, Inc.



Christiansburg Elementary Schools 3-School PPEA | Christiansburg, Virginia

Owner: Montgomery County Public Schools
750 Imperial Street
Christiansburg, VA 24073
Contact: Tommy Kranz | 540-382-5100
Architect: 5 Design, LLC
597 Depot Street
Christiansburg, VA 24073
Contact: J.D. Price | 540-230-2619
Size: 106,978sf
Contract Amount: \$35 Million
Completion Date: December 2022

Westmoreland High School | Montross, Virginia

Owner: Industrial Development Authority of
Westmoreland County, Virginia
P.O. Box 1000
Montross, VA 22520
Contact: Norm Risavi | 804-493-0130
Architect: Grimm + Parker Architects
11720 Beltsville Drive Suite 600
Calverton, MD 20705
Contact: Scott Eschbach | 301-595-1000
Size: 148,500sf
Contract Amount: \$48.4 Million
Completion Date: July 2022

Reston Fire Station #25 | Reston, Virginia | LEED SILVER

Owner: Fairfax County DPWES
Building Design and
Construction Division
12000 Government Center Parkway,
Suite 449
Fairfax, VA 22035
Contact: Mais Almohamid | 571-585-9283
Architect: LeMay Erickson Willcox
11250 Roger Bacon Dr
Reston, VA 20190
Contact: Katie Atwater | 703-956-5600
Size: 17,150sf
Contract Amount: \$10 Million
Completion Date: January 2022

Robert E. Aylor Middle School | Stephens City, Virginia CM@RISK

Owner: Frederick County School Board
1415 Amherst Street
Winchester, VA 22601
Contact: Dr. Al Orndorff | 540-662-3888
Architect: RRMM Architects
28 Church Avenue SW
Roanoke, VA 24011
Contact: Ben Motley | 540-344-1212
Size: 160,000sf
Contract Amount: \$41.1 Million
Completion Date: July 2021

Virginia Tech Student Athletic Performance Center Blacksburg, Virginia | LEED GOLD

Owner: Virginia Tech
90 Sterrett Facilities Complex
Blacksburg, VA 24061
Contact: Todd Shelton | 540-231-4076
Architect: Hanbury Evans Wright Vlattas + Company
312 North Main Street
Blacksburg, VA 24060
Contact: Anna Carpenter | 540-552-1995
Size: 24,890sf
Contract Amount: \$16.5 Million
Completion Date: December 2020

Prince William - Manassas Regional Adult Detention Center | Manassas, Virginia

Owner: Prince William County, Virginia
4361 Ridgewood Center Drive
Prince William, VA 22192
Contact: Karen Fitzgibbon | 703-792-6698
Architect: Hellmuth, Obata + Kassabaum, P.C (HOK)
3223 Grace Street, NW
Washington, DC 20007
Contact: Robert Karamitos | 202-944-1505
Size: 113,540sf Renovations
48,040sf Additions
Contract Amount: \$45.7 Million
Completion Date: November 2020



QUALIFICATIONS & EXPERIENCE

Pulaski County Middle School | Pulaski, Virginia

Owner: Pulaski County Public Schools
202 North Washington Avenue
Pulaski, VA 24301
Contact: Kevin Siers | 540-994-2550
Architect: RRMM
28 Church Avenue, SW
Roanoke, VA 24011
Contact: Ben Motley | 540-344-1212
Size: 168,989sf
Contract Amount: \$37.1 Million
Completion Date: August 2020

Loudon County Public Safety Firing Range Leesburg, Virginia

Owner: Loudoun County
One Harrison Street SE, 4th Floor
Leesburg, VA 20178
Contact: Tim Danforth | 703-324-5800
Architect: Clark-Nexsen
213 Jefferson Street, Suite 1011
Roanoke, VA 24011
Contact: John Shields | 703-839-7516
Size: 61,000sf
Contract Amount: \$21.3 Million
Completion Date: June 2020

Balzer & Associates



Brandy Rosser, Director of General Properties Project: Franklin County Animal Shelter

Franklin County
1255 Franklin Street, Suite 107
Rocky Mount, VA 24151
(540) 483-3030
brandy.rosser@franklincountyva.gov

Mark Johnson, President & CEO Project: Botetourt YMCA New Facility

YMCA of Virginia's Blue Ridge
115 Shenandoah Ave
Daleville, VA 24083
(540) 527-9622 X3102
mjohnson@ymcavbr.org

Doug Blount, Assistant County Administrator Project: Multiple projects including Explore Park

Roanoke County
5204 Bernard Drive
Fourth Floor
Roanoke, VA 24018
(540) 772-2004
dblount@Roanokecountyva.gov

Rob Light, Assistant City Manager Project: Multiple Projects for Roanoke County

City of Salem
114 North Broad Street
Salem, VA 24153
(540) 375-3017
hrlight@salemva.gov

Crossroads Station, Phase I & II Fredericksburg, Virginia | CM@RISK

Owner: Lester Development Corporation
101 E. Commonwealth Blvd.,
Martinsville, VA 24115
Contact: Barry D. Fulcher | 276-656-3250
Architect: Edward H. Winks – James D. Snowa
2119 East Franklin Street, Suite 200
Richmond, VA 23223
Contact: Brent Grizzle | 804-643-6196
Size: 228,842sf
Contract Amount: \$20.3 Million
Completion Date: May 2020

Radford University Reed & Curie Halls | CM@RISK Radford, Virginia | LEED GOLD

Owner: Radford University
501 Stockton Street
Radford, VA 24142
Contact: Mike Biscotte | 540-831-7817
Architect: CannonDesign
1560 Wilson Boulevard, Suite 200
Arlington, VA 22209
Contact: Stephen Stinnette | 703-907-2300
Size: 76,000sf
Contract Amount: \$23.5 Million
Completion Date: February 2020

John Hull, Executive Director Project: WVRIFA Wood Haven Technology Park; Bo- tetourt Shell Building

Roanoke Regional Partnership
111 Franklin Plaza, Suite 333
Roanoke, VA 24011-2111
540-343-2012
john@roanoke.org

Marty Misicko, Ed.D., Vice President, Facilities Project: Carilion Clinic Hospital Expansion

Carilion Clinic
1906 Belleview Ave
Roanoke, VA 24014
(540) 981-8891

Colleen McLean, Business Manager Project: New Medical Facility

Blue Ridge Pain Management
100 Knotbreak Road
Salem, VA 24153
(540) 216-0376

Donna Sebestin, Office Manager Project: New Medical Facility

Endocrinology Associates
3501 Colonial Green Circle
Roanoke, VA 24018
(540) 344-3276



QUALIFICATIONS & EXPERIENCE

Dr. Sam Scroggins**Project: NewDental Office with Operatory Rooms**

SWVA Oral & Maxillofacial Surgery Offices
3580 Keagy Road
Roanoke, VA 24018
40-989-5257

Jonathan Elliott, Chief Executive Officer**Project: RDG Filings New Office**

RDG Filings
816 Roanoke Blvd
Salem, VA 24153
415.643.6080
jelliott@rdgfilings.com

RRMM ARCHITECTS**Fire-EMS Station #1 + 3-Story Tactical Training Tower
Yorktown, Virginia**

Joseph Sisler, PE, Deputy Director
York County Public Works
105 Service Drive, Yorktown, VA 23692
P: 757.890.3788; E: sislerj@yorkcounty.gov
Completion Year: 2019

Fire-EMS Station #10 + Public Safety Logistics Support

Center, Chesapeake, Virginia
District Chief Michael Thibeault
Chesapeake Fire Department
304 Albemarle Drive, Chesapeake, VA 23322
P: 757.382.6450; E: mthibeau@cityofchesapeake.net
Completion Year: 2021

**Fire Station #11 & Training Tower
Suffolk, Virginia**

Fire Chief Michael Barakey
City of Suffolk – Fire and Rescue Department
300 Kings Fork Road, Suffolk, Virginia 23434
P: 757.514.4530; E: mbarakey@suffolkva.us
Bidding Fall 2022

**Gunston Fire Station #20, Fairfax County, Virginia
Claudia Shalhoub, RA**

Project Manager, Building Design Branch
Building Design and Construction Division, DPWES
Fairfax County, VA
12000 Government Center Parkway, Suite 448,
Fairfax, VA 22035
P: 703.324.5155; E: claudia.shalhoub@fairfaxcounty.gov
Completion Year: 2025 (Est.)

York-Poquoson Sheriff Office, York County, Virginia**Joseph Sisler, PE, Deputy Director**

York County Public Works Department
105 Service Drive
Yorktown, VA 23692
P: 757.890.3788; E: sislerj@yorkcounty.gov
Completion Year: 2023 (Est.)

Lucas Thornton**Project: Pinnacle Bank Headquarters, Lawson Building**

HIST:RE Partners
631 Campbell Avenue, Ste 1
Roanoke, VA 24013
(540) 529-2191
lucas.l.thornton@gmail.com

**4th Police Precinct + Incident Command Center,
Virginia Beach, Virginia**

Carl Herbert, Senior Project Manager
City of Virginia Beach Public Works
3556 Dam Neck Road
Virginia Beach, VA 23453
P: 757.385.1140; E: cherbert@vbgov.com
Completion Year: 2019

Robert E. Aylor Middle School**Frederick County, Virginia**

Wayne Lee, Coordinator of Planning & Development
Frederick County Public Schools
P: 540.662.3889; E: leew@fcpsk12.net
Completion Year: 2021

**Joan Perry Brock Convocation Center
Longwood University, Farmville, VA**

Kim Bass, Deputy Director
Capital Design and Construction
131 McCorkle Hall
Farmville, VA 23909
P: 434.395.2983; E: basskh@longwood.edu
Completion Year: 2023 (Est.)

**New Hopewell Police Precinct + Police Department
Administrative, Headquarters, Hopewell, VA**

Edward Watson, PE, Director of Public Works
City of Hopewell, 100 East Broadway, Hopewell, VA 23860
P: 804.541.2295; E: ewatson@hopewellva.gov
Completion Year: 2019

**4-Story Tactical Fire Training Tower
Hanover, VA**

B. Wade Sanders, Battalion Chief,
Training and Safety Department Hanover Fire-EMS,
13326 Hanover Courthouse Road, Hanover, VA 23069
P: 804.229.9984; E: bwsanders@hanovercounty.gov
Completion Year: 2022

QUALIFICATIONS & EXPERIENCE

Hopkins | Lacy  **GJ HOPKINS | LACY**
BRANCH MEP COMPANIES

Breckinridge Middle School | Roanoke, VA
3601 Ferncliff Avenue, NW
Roanoke, VA
Jeff Shawver | 540-853-2851

Henry County Regional Jail | Martinsville, VA
Kings Mountain Road
Collinsville, Virginia 24078
Veronica Venable | 540-634-4604

Fairview Elementary | Roanoke, VA
3601 Ferncliff Avenue, NW
Roanoke, VA
Jeff Shawver | 540-853-2851

Pulaski Middle School | Pulaski, VA
202 North Washington Avenue
Pulaski, VA 24301
Kevin Siers | 540-994-2550

Fallon Park Elementary | Roanoke, VA
3601 Ferncliff Avenue, NW
Roanoke, VA
Jeff Shawver | 540-853-2851

Auburn High School | Christiansburg, VA
200 Junkin Street
Christiansburg, VA 24073
Connie L. Froggatt | 540-818-9340

VTC Biomedical Research Expansion | Roanoke, VA
2 Riverside Circle
Roanoke, VA 24016
Brian Stafford | 1-540-744-5773

VWCC STEM Engineering Building | Roanoke, VA
Business Science Building | M230
Roanoke, VA 24015
Robert Sandel | 540-857-8922

Emory & Henry Health Sciences | Emory, VA
565 Radio Hill Rd, Marion, VA 24354
Karen Alley | 1-276-944-6342

Radford University Science Bldg | Radford, VA
P.O. Box 6909
Radford, VA 24142
RU Facilities | 1-540-831-5964

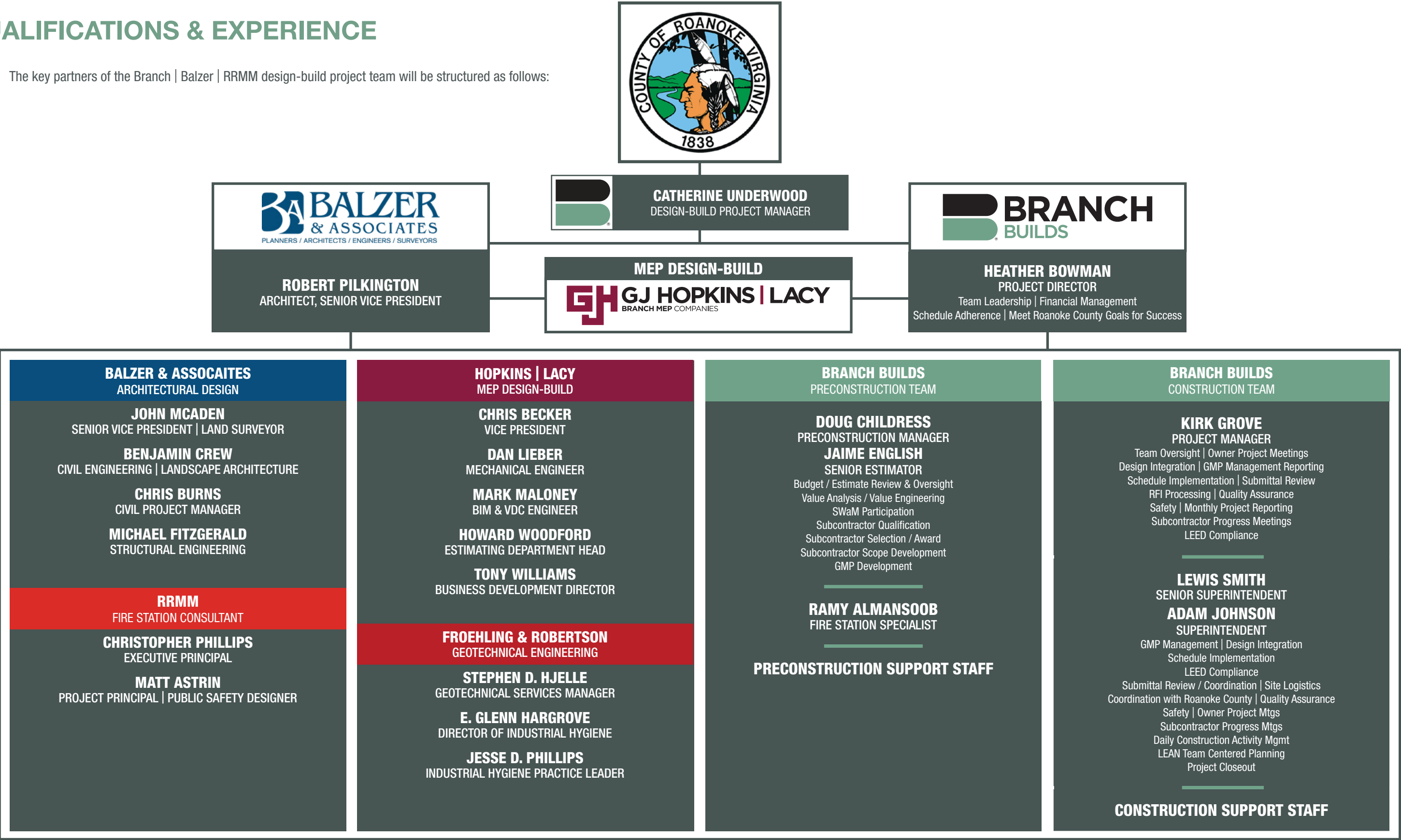
QUALIFICATIONS & EXPERIENCE

- 3.1.3.1. **PPEA Project Manager:** Qualifications, resume, and experience with PPEA or Design-Build Projects for the individual that will be responsible for the integration of the Project team and PPEA team leadership. The Project Manager is the primary contact with the Owner.
- 3.1.3.2. **Pre-Construction Services Manager:** Qualifications, resume, and experience with PPEA or Design-Build projects for the individual that will perform the pre- construction services.
- 3.1.3.3. **Design-Construction Coordinator (Design Manager):** Qualifications, resume, and experience with PPEA or Design-Build projects for the individual on the construction site that will be responsible for coordinating design and construction efforts and the transition from the design phase to the construction phase.
- 3.1.3.4. **Designer of Record:** Qualifications, resume, and experience with similar projects of the individual who is responsible for the design. A copy of the individual's current professional registration shall be provided.
- 3.1.3.5. **Fire Station Consultant:** If included as part of the PPEA team, provide qualifications, resume, and experience with fire station projects of the the individual who will provide professional consulting services. A copy of the individual's current professional registrations shall be provided.
- 3.1.3.6. **Construction Project Manager:** Qualifications, resume, and experience with PPEA or Design-Build projects for the individual responsible for managing the design implementation and construction execution.
- 3.1.3.7. **Note:** If one person is performing the role of more than one of these five key personnel functions, clearly state so.

We have provided the above requested information regarding the qualification of our professionals on the following pages.

QUALIFICATIONS & EXPERIENCE

The key partners of the Branch | Balzer | RRMM design-build project team will be structured as follows:





HEATHER BOWMAN, LEED AP PROJECT DIRECTOR

Heather Bowman's construction background includes estimating, project management, operations leadership and phased scheduling expertise. In addition to her considerable strategic planning experience, Heather offers extensive collaborative leadership across a diverse range of projects, clients and industry partners. She has successfully led preconstruction and construction teams on educational, historic renovation, science/lab, athletic, institutional, commercial, infrastructure and industrial projects. Her ability to analyze documents, generate efficient and cost effective solutions, while providing clear and concise feedback to the project team, has proven vital to the success of many of Branch's most sophisticated projects. Consistently complimented for her acute attention to detail by clients, design professionals, building officials, and subcontractors alike, Heather has earned the trust of all who have worked in partnership with her.

HIGHLIGHTED PROJECT EXPERIENCE

ROANOKE COLLEGE CREGGER CENTER | SALEM, VIRGINIA

Roanoke College
221 College Lane
Salem, VA 24153
Mike Maxey | 540-375-2200

VMDO
200 E. Market Street
Charlottesville, VA 22902
David Oakland | 434-296-5684

The Cregger Center is a new \$39.6 million, 155,000sf state-of-the-art athletic and events facility for our valued repeat client, Roanoke College, located in Salem, Virginia. Branch was hired to provide comprehensive design-build services, which included assisting in the architect selection process as well as providing Branch's professional preconstruction services. This signature collegiate facility, designed in partnership with VMDO Architects of Charlottesville, Virginia, is a flagship for the Roanoke College experience and enhances the college's position as one of the top private liberal arts campuses in the nation. The new multi-level center includes a modern performance gymnasium with seating for 2,500, a multi-sport field house with a 200-meter indoor track, event space and seating for 3,500, numerous social spaces, conference rooms, sports administration offices, and recruitment facilities. Also included are cutting edge Physiology and Kinesiology fitness labs, weight rooms, training rooms, athletic laundry facilities, and ample multi-purpose space. It also houses the college's Athletic Hall of Fame, reflecting the rich tradition of Roanoke College Maroon athletics. As part of this facility, Branch created a new central plant to serve the Cregger Center and two existing buildings on campus, resulting in a significant increase in conditioning efficiency for Roanoke College. The Cregger Center was built into and atop a hillside adjacent to the Donald J. Kerr Stadium and functionally opens onto the Stadium's lacrosse and soccer field. This beautiful new facility is a hallmark of best educational and athletic practices today, intentionally designed to enrich engagement between and among students, student athletes, faculty, and the community at large.

WEST OX BUS OPERATIONS CENTER EXPANSION PHASE II | FAIRFAX, VIRGINIA

Fairfax County DPWES
12000 Government Center Pkwy, Suite 449
Fairfax, VA 22035-0052
Hanif Drzal | 703-324-1633

Michael Baker Jr, Inc
3601 Eisenhower Ave, Ste 200
Alexandria, VA, 22304
Mike Robb | 703-317-6550

This project is a multi-delivery expansion of facilities at the Fairfax County West Ox Bus Maintenance Operations site. This site provides operations and maintenance services for the Fairfax Connector and WMATA Metro Buses in the western part of the county. It serves as a base for drivers, before and between shifts and has bays for service and repair of buses along with cleaning and washing which are performed on every bus, nightly. Increasing needs for additional capacity were the driver for this project, that consisted of three distinct deliveries, a steel structured, masonry and metal panel 26,000sf, 9-bay addition to the maintenance building, a 3,000sf addition to driver lounges at the operations building and the construction of 60 additional parking spaces to accommodate requirements associated with the expansion. The maintenance building addition replicated the architecture of the existing building and provided a bay for an undercarriage wash, bays with recessed vehicle lifts, storage for parts, office space and a communications center. The addition included an overhead crane along providing for vehicle exhaust extraction, compressed air, lube and lift equipment. The drivers lounge addition is a steel structure with masonry façade that provided additional showers, lockers and quiet rooms. The initial on-site delivery was the construction of the new parking spaces, which allowed additional space at the site to perform the required additions. Additional contract scope included a 2,500sf masonry storage building, replacement of a generator and installation of an additional bus wash at the existing wash building.

LIBERTY UNIVERSITY INFRASTRUCTURE | LYNCHBURG, VIRGINIA

Liberty University
1971 University Boulevard
Lynchburg, VA 24502
Dan Deter | 434-592-4172

Perkins & Orrison
17 West Main Street
Lexington, VA 24450
Norman Walton | 540-464-9901

Over the course of a 2-year period, Branch Builds, Inc. served in a negotiated CM@Risk role for multiple, coordinated campus infrastructure projects on Liberty's Lynchburg, Virginia campus. Branch has played a major role in the University's recent campus re-development efforts, managing 12 projects dating back to 2010, all but one via collaborative CM@Risk or design-build delivery. Branch's Infrastructure work consisted of a series of well-planned and connected improvement projects involving three phases of a major roadway enhancement, a vehicular tunnel, pedestrian tunnel, baseball stadium site retaining walls and utilities, Campus Quad improvements and a new scenic lake that serves as a new focal point of the re-developed main Quad. The extension of Regents Parkway was a major part of the overall project plan to modernize the university's facilities, infrastructure, traffic flow, and student safety. Started in summer of 2011, the initial project scope consisted of landings and a pedestrian tunnel that was bored beneath a highly active rail freight line. After clearing work began for the tunnel, the university elected to add a length of roadway and extensive utility relocations to the project. The scope of road and utility work continued to increase and eventually became a 3-phase road project. Ultimately, the roadway required the construction of a dam with retaining wall and spillway, multiple relocations of active sewer lines, and around-the-clock grading and paving operations. Finally, the University requested that Branch perform utility upgrades throughout the main Quad, construct a new Lake to complement Branch's \$48.5 million signature Library project, and construct a new vehicular tunnel beneath the rail line on the northern end of campus. All work components were successfully completed on schedule in May 2014 in time for Liberty's 2014 Commencement Ceremony.

EDUCATION

BS, Building Construction | 1995
Virginia Tech | Blacksburg, Virginia

CERTIFICATIONS & ORGANIZATIONS

VICO Software | 50 hour Training
(Estimating and Take-off of Revit Models)

InSite | Sitework Take-off
(from PDF & CAD files)

LEED Continuing Education (ongoing)

FMI Project Manager Leadership
Development

The Branch Group University

OSHA 10 Hour Construction Safety &
Health

2014 Lee Hartman & Sons Technology
Expo

Procore Fundamentals

25+ YEARS OF EXPERIENCE

OTHER PROJECT EXPERIENCE

Emory & Henry College Woodrow W.
McGlothlin Center for the Arts

VMI Corps Physical Training Facility, Phase II

Virginia Tech ICTAS Engineering Building

Roanoke College Residence Hall

Rescue Mission Women & Children's Center

Ashleigh at Lansdowne | Assisted Living
Retirement Community

VMI Science Building Renovation

VMI Storm Drainage / Alumni Memorial
Patchin Fields

Liberty University Pedestrian Tunnel

Liberty University Williams Stadium

UVA Observatory Hill Dining Hall

Roanoke Higher Education Center

Radford University / Dedmon Athletic
Center Renovation

Radford University Covington Fine Arts Center

Radford University Waldron College of
Health Science

Radford University Baseball Field
Bleachers

Ferrum College, Multiple Projects

Virginia Tech Dietrick Servery

Hillsville Elementary School

VOLVO Assembly Warehouse



DOUG CHILDRESS

PRECONSTRUCTION MANAGER

Doug has over 33 years of experience as a Construction Management at Risk preconstruction estimator. His diverse estimating experience includes a focus on healthcare preconstruction services as well as significant municipal, higher education, industrial, science/laboratory, institutional and commercial projects involving both new construction and additions/renovations. He is skilled in developing estimates at all levels of design and detail from conceptual stage to final construction documents. Doug's strengths include comprehensive value analysis and the development of cost saving alternative methods, systems and materials options. A gifted communicator, Doug works in partnership with clients and design professionals to maximize the value Branch clients receive for each and every construction dollar budgeted.

HIGHLIGHTED PROJECT EXPERIENCE

RESTON FIRE STATION #25 | RESTON, VIRGINIA

Fairfax County DPWES
12000 Government Center Parkway
Fairfax, VA 22035
Mais Al Mahamid | 703-777-0394

LeMay Erickson Wilcox Architects
11250 Roger Bacon Drive Suite 16
Reston, VA 20190
Katie Atwater | 703-956-5600

Reston Fire Station No. 25 was a new 17,150sf fire station designed to replace the existing 7,750sf station. The existing station, a 2½ bay structure designed in 1972, had become undersized and contained inadequate critical infrastructure and support functions to meet the needs of the expanding department and the community it serves. The new facility was designed as a 4-bay station with accommodations for up to 20 fire fighters per shift and six apparatus equipment, including a future engine and medic. The new building expanded support function through updated gear lockers, shop and storage rooms, control room, and lobby - all connected and easily accessible to the first-floor apparatus bays. To meet the increased shift sizes, 41 parking spaces were required, thereby reducing the usable land for the building foot print, resulting in this two-story design. The living quarters, administrative offices, and bunk and locker rooms were programmed above the apparatus bays along the second floor of the facility. The station was targeting LEED Silver certification. Sustainable design strategies include site selection, water use reduction, regional materials, recycled content materials, low VOC interior finishes and Photovoltaic panels.

SEVEN CORNERS FIRE STATION #28 | FALLS CHURCH, VIRGINIA

Fairfax County DPWES
12000 Government Center Pkwy
Suite 449
Fairfax, VA 22035
Marianita Artner | 571-641-5425

BKV Group
1054 31st Street NW
Canal Square Suite 410
Washington, DC 20007
Rodrigo Uribe | 571-594-1040

Seven Corners Fire Station No. 28 is a new 13,800sf fire station designed to replace the existing 8,500sf station. The existing, one-story, two bay structure designed in 1975, lacks accommodations for female staff and contains inadequate critical infrastructure and support functions to meet the needs of the expanding department and the community it serves. The new, two-story fire station will be approximately 13,800sf and includes a three-bay apparatus bay, ready-gear room, control room, administrative offices, fitness room, dayroom, kitchen and dining room, outdoor patio, hose tower, locker and showers for male and female staff, bunk rooms, and facility support spaces. The exterior design of the facility incorporates a combination of brick and metal panel design. Site will include surface parking and associated site improvements, as well as a new vehicle fueling system. The building will be delivered with solar-ready infrastructure and is mandated to achieve at minimum silver-level LEED certification. In addition to the construction of the new fire station, demolition and removal of the existing fire station are required.

ROANOKE CITY POLICE BUILDING, PHASE II | ROANOKE, VIRGINIA

City of Roanoke
215 Church Avenue
Roanoke, VA 24011
Joe Gaskins (Ret) | 540-853-2000

RRMM Architects
28 Church Avenue, SW
Roanoke, VA 24011
Ben Motley | 540-344-1212

The Roanoke City Police Building, Phase II project was a competitively bid public sector project involving the construction of a 29,195sf, 4-story addition to the existing Police Building located in a high-traffic area of Downtown Roanoke. The new addition was thoughtfully planned and constructed while all daily police functions were maintained in the adjacent, existing police station. It was built on an extremely constrained Downtown site and accommodates offices, training and laboratory facilities, and additional/specialized storage space.

EDUCATION

Civil Engineering
Virginia Tech, Blacksburg, Virginia

CERTIFICATIONS & ORGANIZATIONS

ASHE Health Care Construction
Certification (HCC)

33+ YEARS OF EXPERIENCE

OTHER PROJECT EXPERIENCE

Carilion Clinic, Multiple Projects
Patrick Henry High School
Emory & Henry College School of Health Sciences
Lewis-Gale Medical Center Emergency Room/
Facility Modernization
Lewis-Gale Medical Center EP Cath Lab
Addition & Renovations
Augusta Medical Center Cancer Center
Augusta Medical Center Lifetime Education Center
Augusta Medical Center Health & Wellness Center
Lewis-Gale Clinic Dermatology/Orthopaedic Upfit
Carilion Information Systems Facility
Carilion Westlake Medical Center
Dynax America Plant Expansion
Hollins University Wyndham Robertson Library
Hollins University Pleasants Hall Renovation
Mary Baldwin College PEG Residence Hall
Arden Courts Alzheimer's Assisted Living
Facility
Lexington Medical Office Building
Washington & Lee University Science Center
Washington & Lee University Student Commons
Washington & Lee University Law School
Renovations
Cox Communications Office & Broadcast Center,
Phases I & II
WDBJ Channel 7 New Facility
Washington & Lee University Tennis Center
Thomas Alzheimer's Care Facility at Richfield
Mary Baldwin College King Building
R.R. Donnelley & Sons Manufacturing/Printing
Facility
Lucy Addison Aerospace Magnet School
Washington & Lee University Sorority Houses
Augusta County Government Center ACSA
Addition
Roanoke Country Club Renovations & Additions



JAIME ENGLISH, LEED AP

SENIOR ESTIMATOR

EDUCATION

BS, Building Construction | 1999
Virginia Tech | Blacksburg, Virginia

CONTINUING EDUCATION

Construction Estimating Institute
General Estimating | 2002

The Branch Group University | 2006

The Management Institute | 2007
Roanoke College | Salem, Virginia

CERTIFICATION

LEED, AP Certification | 2009

PROFESSIONAL/TRADE ORGANIZATIONS

CMAA

23 YEARS OF EXPERIENCE

OTHER PROJECT EXPERIENCE

Emory & Henry College Woodrow W. McGlothlin Center
For The Arts

VMI Science Building Renovation

VMI Corps Physical Training Facility, Phase II

Virginia Tech ICTAS Engineering Building

MCPS 3-School PPEA

Ridgeview High School, Middle School, & Career Center

Christainsburg Elementary Schools 3-School PPEA

George Mason Elementary School

Liberty University Science Hall

Roanoke College Science Complex

Robert E. Aylor Middle School

Emory & Henry College, School of Health Sciences

Sun Valley High School

Cabarrus County High School

Virginia Tech Academic Buildings Renovations

Virginia Tech Residence Hall at Career Services

Virginia Tech CRC Integrated Life
Sciences Building

Virginia Tech Rector Field House
Improvements

VWCC New STEM Building

Liberty University Library

Liberty University Softball Stadium

Liberty University Parking Deck

Liberty University Lake Project

The Locks Apartments

Interbake Apartments

VMI Military South Institute Hill Parking Lot

Frederick Douglass Elementary School

Virginia Tech West End Market Renovation

E.C. Glass High School Additions and Renovations

Radford University Russell Hall Renovation

Tecton Products, Inc.

JMU West Campus Parking Deck

AEP Appalachian Power Parking Deck

HIGHLIGHTED PROJECT EXPERIENCE

RESTON FIRE STATION #25 | RESTON, VIRGINIA

Fairfax County DPWES
12000 Government Center Parkway
Fairfax, VA 22035
Mais Al Mahamid | 703-777-0394

LeMay Erickson Wilcox Architects
11250 Roger Bacon Drive Suite 16
Reston, VA 20190
Katie Atwater | 703-956-5600

Reston Fire Station No. 25 was a new 17,150sf fire station designed to replace the existing 7,750sf station. The existing station, a 2½ bay structure designed in 1972, had become undersized and contained inadequate critical infrastructure and support functions to meet the needs of the expanding department and the community it serves. The new facility was designed as a 4-bay station with accommodations for up to 20 fire fighters per shift and six apparatus equipment, including a future engine and medic. The new building expanded support function through updated gear lockers, shop and storage rooms, control room, and lobby - all connected and easily accessible to the first-floor apparatus bays. To meet the increased shift sizes, 41 parking spaces were required, thereby reducing the usable land for the building foot print, resulting in this two-story design. The living quarters, administrative offices, and bunk and locker rooms were programmed above the apparatus bays along the second floor of the facility. The station was targeting LEED Silver certification. Sustainable design strategies include site selection, water use reduction, regional materials, recycled content materials, low VOC interior finishes and Photovoltaic panels.

SEVEN CORNERS FIRE STATION #28 | FALLS CHURCH, VIRGINIA

Fairfax County DPWES
12000 Government Center Pkwy
Suite 449
Fairfax, VA 22035
Marianita Artnr | 571-641-5425

BKV Group
1054 31st Street NW
Canal Square Suite 410
Washington, DC 20007
Rodrigo Uribe | 571-594-1040

Seven Corners Fire Station No. 28 is a new 13,800sf fire station designed to replace the existing 8,500sf station. The existing, one-story, two bay structure designed in 1975, lacks accommodations for female staff and contains inadequate critical infrastructure and support functions to meet the needs of the expanding department and the community it serves. The new, two-story fire station will be approximately 13,800sf and includes a three-bay apparatus bay, ready-gear room, control room, administrative offices, fitness room, dayroom, kitchen and dining room, outdoor patio, hose tower, locker and showers for male and female staff, bunk rooms, and facility support spaces. The exterior design of the facility incorporates a combination of brick and metal panel design. Site will include surface parking and associated site improvements, as well as a new vehicle fueling system. The building will be delivered with solar-ready infrastructure and is mandated to achieve at minimum silver-level LEED certification. In addition to the construction of the new fire station, demolition and removal of the existing fire station are required.

ROANOKE COLLEGE CREGGER CENTER | SALEM, VIRGINIA

Roanoke College
221 College Lane
Salem, VA 24153
Mike Maxey | 540-375-2200

VMDO
200 E. Market Street
Charlottesville, VA 22902
David Oakland | 434-296-5684

The Cregger Center is a new \$39.6 million, 155,000sf state-of-the-art athletic and events facility for our valued repeat client, Roanoke College, located in Salem, Virginia. Branch was hired to provide comprehensive design-build services, which included assisting in the architect selection process as well as providing Branch's professional preconstruction services. This signature collegiate facility, designed in partnership with VMDO Architects of Charlottesville, Virginia, is a flagship for the Roanoke College experience and enhances the college's position as one of the top private liberal arts campuses in the nation. The new multi-level center includes a modern performance gymnasium with seating for 2,500, a multi-sport field house with a 200-meter indoor track, event space and seating for 3,500, numerous social spaces, conference rooms, sports administration offices, and recruitment facilities. Also included are cutting edge Physiology and Kinesiology fitness labs, weight rooms, training rooms, athletic laundry facilities, and ample multi-purpose space. It also houses the college's Athletic Hall of Fame, reflecting the rich tradition of Roanoke College Maroon athletics. As part of this facility, Branch created a new central plant to serve the Cregger Center and two existing buildings on campus, resulting in a significant increase in conditioning efficiency for Roanoke College. The Cregger Center was built into and atop a hillside adjacent to the Donald J. Kerr Stadium and functionally opens onto the Stadium's lacrosse and soccer field. This beautiful new facility is a hallmark of best educational and athletic practices today, intentionally designed to enrich engagement between and among students, student athletes, faculty, and the community at large.



RAMY ALMANSOOB

FIRE STATION SPECIALIST

Ramy Almansoob is a 12-year commercial construction industry veteran, spending the last 6 years in project management. A dedicated and detail-oriented Project Manager, Ramy has a track record for successful project delivery and offers the project teams he leads a unique expertise in structural design and construction. Having started his career as a Field Engineer and Structural Designer on the design team side, Ramy understands design-side perspectives and intent during preconstruction as well as the importance of excellent team-wide communications. Ramy is a highly motivated and conscientious construction professional and has earned great respect and commendation from his clients, colleagues and industry partners alike.

HIGHLIGHTED PROJECT EXPERIENCE

RESTON FIRE STATION #25 | RESTON, VIRGINIA

Fairfax County DPWES
12000 Government Center Parkway
Fairfax, VA 22035
Mais Al Mahamid | 703-777-0394

LeMay Erickson Wilcox Architects
11250 Roger Bacon Drive Suite 16
Reston, VA 20190
Katie Atwater | 703-956-5600

This highly-visible fire station project for Fairfax County included demolition of an existing fire station, it's site amenities, and utilities. The on-going construction of the new 17,000sf fire station will include four-bays and associated site improvements such as, utilities and paved parking. This station is targeting LEED Silver certification.

ROBERT E. AYLOR MIDDLE SCHOOL | STEPHENS CITY, VIRGINIA

Frederick County School Board
1415 Amherst Street
Winchester, VA 22601
Dr. Al Orndorff | 540-662-3388

RRMM Architects
28 Church Avenue SW
Roanoke, VA 24011
Ben Motley | 540-344-1212

This \$41.1 million CM@Risk project involves Branch's comprehensive preconstruction services and the construction of a replacement Robert E. Aylor Middle School (REAMS) in Stephens City, Virginia. Branch worked closely with FCPS and RRMM architects to develop a design and plan that fit within FCPS' budget. After nine months of preconstruction planning, construction commenced. When completed, this fast-track project will be delivered an academic year earlier than would have been possible via traditional design-bid-build. In concert with FCPS education plans of collaborative learning environments, the REAMS project incorporates shared learning areas into the design to allow for maximum flexibility for the staff and students. The project is all inclusive of construction and furnishing of the interior of the building as well as construction of outdoor spaces for sports and playgrounds, collaborative learning spaces, segregated bus and vehicular parking.

PWC CENTRAL DISTRICT POLICE FACILITY | WOODBRIDGE, VIRGINIA

Prince William County Public Works
5 County Complex Ct
Woodbridge, VA 22192
Ralph George | 571-835-5687

Moseley Architects
50 Sullivan St. Suite b
Warrenton, VA 20186
Michael Ferri | 540-270-5883

This \$21 million project involved the construction of a new 2-story, 65,000sf secured police building and 15 acres of site work that included public and secured parking lots, a fuel station, supporting utilities, and much more. The modern police facility included secured processing rooms, secured sally-port, fully controlled access to offices, and a support building that included a car shop and dog wash station. The LEED Certified green building design was a mix of concrete walls, masonry, structural steel, brick and metal siding, retaining walls, and EPDM roofing.

EDUCATION

MSc, Civil Engineering-Structural | 2010
National University of Malaysia

B.Sc. Civil Engineering | 2007
Thamar University

CERTIFICATIONS

OSHA 30 Hour

12 YEARS OF EXPERIENCE

OTHER PROJECT EXPERIENCE

Robert E. Aylor Middle School
Jefferson Fire Station #18
John Marshall Library
Barcroft Community Center
Veterans Park Maintenance Building
Pohick Library

OVERSEAS EXPERIENCE

Qatar Charity- Construction Project Manager
Thamar University Veterinary School
Thamar University Veterinary Educational Hospital
Project Estimator at Public Works
Project (PWP)-Funded by World Bank
Intern- Construction of the New Parliament Building



KIRK GROVE PROJECT MANAGER

Kirk Grove has 38 years of project experience in the construction industry. He began as an Assistant Superintendent on multi-family residential projects at Wintergreen Resort in Virginia, has years of experience as a lead Superintendent and as an Estimator, and has spent the last two decades in project management. Kirk has successfully delivered over 20 healthcare projects, including complex redevelopment projects for Carilion Clinic, senior care and other projects involving challenging site logistics. The majority of Kirk's experience has involved working collaboratively with clients via negotiated CM@Risk projects utilizing a transparent, open book approach. He offers decades of experience working with clients on occupied-facility projects to maintain sensitive, ongoing client operations.

EDUCATION

BS, Civil Engineering | 1980
Virginia Tech | Blacksburg, Virginia

HEALTHCARE AWARDS

2015 VSHE (VA Society of Healthcare Engineers) Teamwork Award

2017 VSHE (VA Society of Healthcare Engineers) Teamwork Award

38 YEARS OF EXPERIENCE

OTHER PROJECT EXPERIENCE

Carilion Clinic Multiple Projects
Miller Motte Technical College @ Tanglewood Mall
Washington & Lee University Science Center
Arden Courts Alzheimer's Assisted Living Facility
Lucy Addison Aerospace Magnet School Add & Reno
H.E. Bowling Professional Center at Richfield
Joseph C. Thomas Alzheimer's Care Facility at Richfield
Consultants in Cardiology MOB
Carilion Clinic:
Bedford Medical Office Building
Cancer Center Renovations
Electric Room Addition
Ivy Market Renovation
Laundry Services New Facility
NRV Medical Center Area 1 ER Addition
NRV Medical Center
Cardio-Rehab Renovations
NRV Medical Center Lab Upfit
NRV Medical Center Behavioral Health Addition
NRV Medical Center MOB
Roanoke Community Hospital Fifth Floor ICU
Roanoke Community Hospital Surgical Services Expansion
Roanoke Memorial Hospital South Pavilion Expansion
Rocky Mount Facility
Rocky Mount Medical Office Building
Support Services - Kitchen Facility
HCA Lewis-Gale Hospital
Clinic Dermatology/Orthopedics Upfits
Emergency Room/Facility Modernization/Parking Deck
EP Cath Lab Addition and Renovations
Family Practice Center
Radiology Upfit
Allstate Regional Operations Center Renovations Multiple Projects
Roanoke AmeriSuites
Roanoke Country Club Add & Reno
University Mall Office/Retail Building
Greenbriar Office Village Phases A, B, and C
Wintergreen Resort High Ridge Condominiums Phases I & II

HIGHLIGHTED PROJECT EXPERIENCE

APPALACHIAN POWER PARKING GARAGE | ROANOKE, VIRGINIA

American Electric Power Service
P.O. Box 2021
Roanoke, VA 24022
Jerry Waller | 540-985-2670

Balzer and Associates, Inc.
1208 Corporate Circle
Roanoke, VA 24018
James Ruhland III | 540-772-9580

The Appalachian Power Company Parking Garage is a precast structure located in Downtown Roanoke, Virginia consisting of 90,375sf with the ability to house 314 vehicles on 4 tiers. Positioned between existing structures, construction of the new parking deck required underpinning and monitoring of adjacent buildings during construction. The foundation consists of geopiers which support spread footings. The precast structure consists of multicolor and brick textured panels. Two stair towers and a single elevator serve the parking deck. The deck includes coiling gates on the ground level which are controlled by electronic key card access to limit entrance into the structure. A series of cameras provide both vehicle and pedestrian safety and security on each level of the parking deck and the exterior. This high-visibility, design-bid-build project was part of a multi-phased enhancement to Appalachian Power's Downtown Roanoke facilities as part of their Transmission Department expansion.

VMI - POST INFRASTRUCTURE | LEXINGTON, VIRGINIA

Virginia Military Institute
320 South Institute Hill
Lexington, VA 2445
Col. Dale Brown | 540-464-7697

Wiley Wilson
127 Nationwide Drive
Lynchburg, VA 24502
Stephen A. Bowman, PE | 434-455-3229

Repeat client, Virginia Military Institute selected Branch over national competition to provide CM@Risk preconstruction and construction services on a complex \$28.2 million infrastructure improvement project on the historic VMI Post in Lexington, Virginia. Branch executed thoughtful planning and coordination in collaboration with VMI staff to implement a project plan that allowed for construction work to take place Post-wide while safely maintaining all on-going VMI daily activities. The renovation/improvement work consisted of three distinct components; site improvements, energy infrastructure improvements and utilities monitoring and control. The site work included enhanced sidewalks, roadways and traffic control, bridge replacement and repair as well as retaining wall rebuild and repair. Other work included a new heating system consisting of new gas lines and boilers, feed water system and enhanced electrical system with backup electrical power. Fire alarm equipment was updated and tied in to a central fiber-optic system. Extensive modernization involved reconfigured water service and improved waste water service. Lastly, Branch provided a new central control for Post security by converting a historic building into a modern Emergency Management Control Center and police station. All work was designed to modernize old systems and greatly increase the overall energy efficiency on Post.

CARILION CLINIC INSTITUTE FOR ORTHOPAEDICS & NEUROSCIENCES | ROANOKE, VIRGINIA

Carilion Clinic
213 Jefferson Street, Suite 801
Roanoke, VA 24011
Curtis Mills | 540-981-7204

AECOM
10 South Jefferson Street, Suite 1600
Roanoke, VA 24011
Ben Fink | 540-857-3100

This \$15.7 million team-build project involved the transformation of a high-profile Roanoke property from a grocery store into Carilion's new Institute for Orthopaedics and Neurosciences. It consisted of renovating the 116,000sf of space to create modern clinic space with exam rooms, light procedure rooms, x-ray rooms and offices. A new second level was constructed within the overall structure to expand the usable space. Significant value engineering took place during preconstruction to develop a viable project within the owner's budget. Kirk served as the Project Manager on this exciting, one-of-a-kind adaptive re-use project prior to joining Branch.



LEWIS SMITH

SENIOR SUPERINTENDENT

Lewis Smith is jointly responsible with the Project Managers for the overall success of assigned projects. His many years of experience and field leadership skills have made Lewis one of our most effective and trusted Superintendents. Lewis performs scheduling, coordination with end users, job site control reporting measures including daily reports, quality reporting, payroll, timesheets and owner reporting. His exceptional safety record and experience with complex projects make him a valuable asset to the Branch team. Lewis' cheerful disposition and respectful manner make him a favorite amongst Owner Representatives, Architects, and trade partners alike.

HIGHLIGHTED PROJECT EXPERIENCE

RESTON FIRE STATION #25 | RESTON, VIRGINIA

Fairfax County DPWES
12000 Government Center Parkway
Fairfax, VA 22035
Mais Al Mahamid | 703-777-0394

LeMay Erickson Wilcox Architects
11250 Roger Bacon Drive Suite 16
Reston, VA 20190
Katie Atwater | 703-956-5600

Reston Fire Station No. 25 was a new 17,150sf fire station designed to replace the existing 7,750sf station. The existing station, a 2½ bay structure designed in 1972, had become undersized and contained inadequate critical infrastructure and support functions to meet the needs of the expanding department and the community it serves. The new facility was designed as a 4-bay station with accommodations for up to 20 fire fighters per shift and six apparatus equipment, including a future engine and medic. The new building expanded support function through updated gear lockers, shop and storage rooms, control room, and lobby - all connected and easily accessible to the first-floor apparatus bays. To meet the increased shift sizes, 41 parking spaces were required, thereby reducing the usable land for the building foot print, resulting in this two-story design. The living quarters, administrative offices, and bunk and locker rooms were programmed above the apparatus bays along the second floor of the facility. The station was targeting LEED Silver certification. Sustainable design strategies include site selection, water use reduction, regional materials, recycled content materials, low VOC interior finishes and Photovoltaic panels.

WEST OX BUS OPERATIONS CENTER EXPANSION PHASE II | FAIRFAX, VIRGINIA

Fairfax County DPWES
12000 Government Center Pkwy, Suite 449
Fairfax, VA 22035-0052
Hanif Drzal | 703-324-1633

Michael Baker Jr, Inc
3601 Eisenhower Ave, Ste 200
Alexandria, VA, 22304
Mike Robb | 703-317-6550

This project is a multi-delivery expansion of facilities at the Fairfax County West Ox Bus Maintenance Operations site. This site provides operations and maintenance services for the Fairfax Connector and WMATA Metro Buses in the western part of the county. It serves as a base for drivers, before and between shifts and has bays for service and repair of buses along with cleaning and washing which are performed on every bus, nightly. Increasing needs for additional capacity were the driver for this project, that consisted of three distinct deliveries, a steel structured, masonry and metal panel 26,000sf, 9-bay addition to the maintenance building, a 3,000sf addition to driver lounges at the operations building and the construction of 60 additional parking spaces to accommodate requirements associated with the expansion. The maintenance building addition replicated the architecture of the existing building and provided a bay for an undercarriage wash, bays with recessed vehicle lifts, storage for parts, office space and a communications center. The addition included an overhead crane along providing for vehicle exhaust extraction, compressed air, lube and lift equipment. The drivers lounge addition is a steel structure with masonry façade that provided additional showers, lockers and quiet rooms. The initial on-site delivery was the construction of the new parking spaces, which allowed additional space at the site to perform the required additions. Additional contract scope included a 2,500sf masonry storage building, replacement of a generator and installation of an additional bus wash at the existing wash building.

GREENE COUNTY HS & MS IMPROVEMENTS | STANARDSVILLE, VIRGINIA

Greene County Public Schools
40 Celt Road
Stanardsville, VA 22973
Brian Huber | 540-560-8858

VMDO
200 E. Market St.
Charlottesville, VA 22902
Bryce Powell | 434-409-3046

Branch Builds, Inc. was selected to serve as the CM@Risk on this dynamic \$24.2 million improvement project for Greene County Public Schools in Virginia. Located on a single campus, GCPS has a primary school, middle school, and high school with insufficient facilities and parking. This project consisted of an occupied – phased renovation and addition to the high school which required Branch to develop a phasing plan in 30 days that allowed for demolition of a middle portion of the high school – to rebuild the library, add a new entrance, add a new commercial kitchen and cafeteria, and add a media center. Upon completion of this phase 1 segment of construction, Greene County occupied the newly constructed space and Branch then demolished the existing kitchen/cafeteria and constructed new student space. While construction progressed at the High School, the Middle School work was also underway. For phase 1, Branch demolished the Middle School library, which was located in the center of the facility, and constructed new library space and a new entrance. Upon completion of phase 1, Branch completed the remodel of the existing kitchen and cafeteria. While school was out for the summer break, Branch performed a complete remodel of classroom and administrative areas.

CERTIFICATIONS

OSHA 30-Hour
First Aid | CPR

45 YEARS OF EXPERIENCE

OTHER PROJECT EXPERIENCE

JMU West Campus Parking Deck
Fairfax Courthouse Renovation
Floyd T. Binns Middle School
Renovation & Addition
Freedom High School Addition
Meadowbrook High School
Renovation & Addition
Prince William County Household
Hazardous Waste
Loudoun County Schools Central
Garage Addition
Loudoun County Courthouse Renovations
Courtyard by Marriott
Fairfield Inn and Suites
Townplace Suites by Marriott
NVMS headquarters / QDD Swim Facility
Huntington Bus Garage Service Lane
Renovation & Expansion
Harrisonburg Middle School
Carroll County Government Center
Radford University Walker Hall
Radford University Tyler Hall
Hollins College Dorm Renovation
VA Tech Hancock Hall
VA Tech Student Services
VA Tech Preston Hall
VA Tech Technology Building
VA Tech Squires Center
VA Tech Torgersen Hall
Radford Hospital Emergency Wing
Radford Hospital King Building
VA Horse Center
Plum Creek Pump Station | Radford
Raven Golf Club at Snowshoe | Golf Course
Footings
Best Western | Staunton
Days Inn | Staunton
Harrisonburg Middle School
Roanoke Bus Garage
Manor at England Run Apartments
Locust Grove Elementary School
Buckingham Correctional Facility
Appalachia Power Maintenance Building
Harrison Road Elementary School



ADAM JOHNSON SUPERINTENDENT

Adam Johnson has worked in construction his entire adult life, and for Branch the last 20 years. Achieving success at every level, he began his career as a Carpenter, progressing to Lead Carpenter, Foreman and Assistant Superintendent prior to his current position of Superintendent. Adam is a high-energy, "can do" field leader, team builder and problem solver. While his experience includes projects of all types, Adam has primarily worked on higher education and K-12 education projects of all magnitudes and complexities. He understands the challenges and needs of education clients and has an outstanding track record with meeting critical and absolute academic year occupancy deadlines. His education experience includes both new and renovated K-12 schools, university and collegiate academic buildings, libraries, science/labs, engineering facilities, athletic facilities and residence halls, among others. He also offers experience with general commercial as well as industrial construction. As a quality-driven field leader, Adam has demonstrated a consistent ability to achieve owner objectives while facilitating exceptional performance out of our many trade partners.

HIGHLIGHTED PROJECT EXPERIENCE

ROCKINGHAM COUNTY JUDICIAL CENTER | REIDSVILLE, NORTH CAROLINA

Rockingham County
371 NC 65, Suite 200
Reidsville, North Carolina 27320
Sam Page | 336-634-3232

Moseley Architects
3000 RDU Center Drive, Suite 217
Morrisville, North Carolina 27560
Stephen Nally | 919-840-0091

The new Rockingham County Judicial Center located on a 38 acre site provides Rockingham County with a new 3-story courthouse, jail and law enforcement services facility. The Courthouse is 98,000sf, the Jail 52,500sf with beds for 222 inmates (300 core) and the Law Enforcement Center is 21,000sf. Designed to accommodate 359 employees, the facility is the first judicial center in North Carolina to achieve Gold Certification from the U.S. Green Building Council's LEED® Building Rating System. Among the center's high performance and green building design strategies are: an Energy Star® compliant, highly-reflective roof membrane to lessen "heat island" effects and help keep the building cool; rain cisterns to provide landscape irrigation and aid in storm water management; preferred parking for carpool and low emission, fuel efficient vehicles to alleviate automobile traffic and pollution; a 33% decrease in building water consumption through low-flow and dual-flush plumbing fixtures, saving over a million gallons of water annually; energy-efficient technologies projected to reduce energy expenditures by 20%; recycled building materials and FSC-certified wood; outdoor air delivery monitoring systems to ensure an adequate supply of fresh air to each building zone; individual lighting controls that enhance occupant comfort and reduce energy consumption; and environmentally friendly housekeeping and pest management program.

RADFORD UNIVERSITY REED & CURIE HALLS RENOVATIONS | RADFORD, VIRGINIA

Radford University
501 Stockton Street
Radford, VA 24142
Mike Biscotte | 540-831-7817

Cannon Design
1560 Wilson Boulevard, Suite 200
Arlington, VA 22209
Stephen Stinnette | 703-907-2300

Branch was selected over national competition to serve as the Construction Manager at Risk for the complex renovations of Reed & Curie Halls, two contiguous buildings located on the north side of the Radford University campus. Reed Hall was constructed in 1939 as the original home for the sciences, while Curie Hall was built in 1971. We provided professional preconstruction and construction services to renovate approximately 68,000sf of space and add 8,000sf of additions. The project created modern facilities for several of the University's science departments, including geospatial science, biology, chemistry, geology and physics. The renovations included new teaching and research laboratories, engagement spaces for lectures, student support areas, office spaces, and a state-of-the-art cybersecurity suite complete with a Cyber Security Training and Education Lab (CTEL) for teaching, research, modeling and simulation of cyber threats. The CTCL, along with the Watch Center and Emergency Operations Center (EOC) in the new College of Humanities and Behavioral Sciences building, provide cross-disciplinary opportunities for constituencies across the Commonwealth of Virginia, including businesses, K-12 teachers and students, law enforcement agencies, public sector administrators, and other organizations. The renovation of Reed and Curie Halls was the latest initiative in an innovative transformation of science and technology education opportunities and facilities at Radford University, a valued, long-time repeat client.

VWCC NEW STEM BUILDING | ROANOKE, VIRGINIA

Virginia Western Community College
Business Science Building | M230
Roanoke, VA 24015
Robert Sandel | 540-857-8922

SFCS
305 South Jefferson Street
Roanoke, VA 24011-2003
Brenda D. Landes | 540-344-6664

Branch was selected over national competition by Virginia Western Community College (VWCC) and the Virginia Community College System to serve as the Construction Manager at Risk on this new \$24 million sciences, technology, engineering and mathematics facility for VWCC in Roanoke, Virginia. Branch provided our professional preconstruction services, including design-stage feedback to reduce costs during the establishment of a Guaranteed Maximum Price (GMP) prior to construction. The new STEM building is a 4-story steel-frame building with an attractive brick and curtain wall exterior. The building has approximately 72,000sf of high-tech academic classroom, two-tiered lecture, laboratory, and administrative space. It houses engineering and engineering technology programs and includes multiple science, math, computer, electronic, mechatronics and fabrication labs. A unique feature of this facility is a STEM STREAM area that includes a teaching flume, interactive display pool and natural outdoor water environment. Departmental offices, faculty offices and collaborative student study and gathering spaces are located throughout the building. At the completion of the new STEM building, Branch is managing the demolition of Anderson Hall, the old science building that is being replaced by this beautiful new collegiate facility.

EDUCATION

Jefferson Forest High School | 1996
Forest, Virginia

CERTIFICATIONS & ORGANIZATIONS

OSHA 10
OSHA 30
CPR First Aid Certified
Forklift Certified

25 YEARS OF EXPERIENCE

OTHER PROJECT EXPERIENCE

Longwood University Brock Commons
Nelson County High School
E.C. Glass High School Renovation
VMI Nichols Engineering Building
Virginia Tech ICTAS Engineering Building
Liberty University Science Hall
Liberty University Library
Liberty University Williams Stadium
Expansion
Christiansburg Elementary Schools
3-School PPEA
Roanoke College New Residence Hall
W&L University Sorority House #6
VWCC Traffic Circle
VWCC Anderson Hall Demolition
Blacksburg Town Centre Renovation
RR Donnelley Printing Facility
PYA Monarch Food Distribution Center
Walmart Distribution Center – Coldwater, MI
Walmart Distribution Center – Tomah, WI
Lynchburg City Jail



Robert Pilkington is a Senior Vice President and is the Architecture Department Head in Balzer and Associates' Roanoke office. Robert is responsible for architectural design, budgeting, construction cost estimating, plans review and approval, construction administration, code compliance and handicap accessibility, and quality control. Robert oversees projects throughout Southwest Virginia and the Shenandoah Valley and has experience in commercial and residential design and construction, from the conceptual phase to completion. His project experience includes retail, single and multifamily residential, healthcare, restaurant, industrial/light commercial, and religious facilities.

Robert has gained valuable knowledge of the architectural and engineering practices through personal involvement in a variety of real estate developments. His focus on clear and concise communication between team members facilitates project completion on time and within budget. In addition to being a facilitator amongst project team members, Robert's strengths include his ability to provide insight regarding construction costs, development initiatives, and financial funding requirements for various project types.

Professional Experience: 24 Years
Education: Virginia Tech, Bachelor of Architecture
Registration: Registered Architect: Virginia

Professional Associations: Board of Directors, United Way of New River Valley
Board of Directors, Shawsville Ruritan Club

Notable Projects: Aeroprobe Office and Industrial Facility | Christiansburg, Virginia
Appalachian Power Company Parking Garage | Roanoke, Virginia
Botetourt County Shell Building | Daleville, Virginia
Botetourt Family YMCA | Daleville, Virginia
E911 Virginia811 Communications Center | Roanoke, Virginia
Florence Mill Renovation | Forest City, North Carolina
Franklin County Animal Shelter | Franklin County, Virginia
Ponce De Leon Apartments | Roanoke, Virginia
The Locker Room Lofts | Roanoke, Virginia
Baker Hughes Office and Industrial Facility | Blacksburg, Virginia
Polymer Solutions | Blacksburg, Virginia
Zeus Digital Movie Theatre | Waynesboro, Virginia
Boy Scouts of America Claytor Lake Adventure Base | Pulaski, Virginia
Manchester Industries office and Industrial Facility | Richmond, Virginia
James River Equipment Office and Industrial Facilities
Hanover & Salem, Virginia



John McAden is a Senior Vice President and is the Survey Department Head in Balzer and Associates' Roanoke Office. John is one of Balzer and Associates' most experienced land surveyors and is responsible for the direct oversight and management of the survey department's personnel and the production of boundary surveys, ALTA Land Title Surveys, topographic, design and construction surveys, as-built surveys, condominium surveys, subdivision surveys, loan surveys, accident surveys, and FEMA Elevation Certificates and FEMA Letter of Map Amendment.

John's project experience includes retail and office complexes, golf courses, commercial subdivisions, municipal, and single and multi-family residential. His surveying experience pertains mostly to construction, mortgage, and A.L.T.A. surveys, but also includes the preparation of subdivision and topographic plats to include on-site and off-site public utility easements, as well as supervising the preparation of numerous telecommunication tower site surveys for both raw land and co-locations.

Professional Experience: 37 Years

Education: Randolph-Macon College, Bachelor of Arts

Registration: Licensed Land Surveyor: Virginia

Professional Associations: Appointed Member, APELSIDLA Board for the Commonwealth of Virginia
Past President, Western Chapter Virginia Association of Surveyors Member,
National Society of Professional Surveyors
Member, American Congress on Surveying and Mapping

Notable Projects: Carilion Roanoke Memorial Hospital Expansion | Roanoke, Virginia
Roanoke City E-911 Virginia 811 Communications Center | Roanoke, Virginia
Appalachian Power Company and Parking Garage | Roanoke, Virginia
The Bridges | Roanoke, Virginia
Gramercy Row | Roanoke, Virginia
Pinnacle Financial Partners | Roanoke, Virginia
Hampton Inn and Suites Downtown Roanoke | Roanoke, Virginia
Botetourt Family YMCA | Botetourt, Virginia
Winnbrook Subdivision | Roanoke, Virginia
Woodbridge Subdivision | Roanoke, Virginia
Crossroads Mall ALTA Survey | Roanoke, Virginia
Valley View Mall ALTA Survey | Roanoke, Virginia
Empire Bakery Commissary | Franklin County, Virginia



Benjamin Crew is a Vice President and the Civil Engineering/Landscape Architecture Department Head in Balzer and Associates' Roanoke office. Ben oversees all aspects of the planning, design, and project management during the site/subdivision development process. His project experience includes a wide range of commercial, industrial, and residential projects and includes services such as master planning, feasibility studies, site and subdivision design, multifamily, traditional neighborhood design, and landscape architecture. One of Ben's many strengths is designing projects which balance the client's program, local/state requirements, aesthetic, environmental, and functional design.

Ben provides professional representation with land use and zoning cases in the Roanoke Valley and surround communities. His local knowledge, community relationships, and experience with a wide range of commercial, industrial, and residential projects make him a trusted resource. With his ability to anticipate project challenges and envision the road ahead, Ben is an asset to every project team he is a part of.

Professional Experience: 17 years

Education: Virginia Tech, Bachelor of Landscape Architecture, 2005

Registration: Registered Landscape Architect: Virginia

Professional Associations: Rotary Club of the Blue Ridge – New Generations – Board of Directors, Past Vice President,

Junior Achievement of Southwest Virginia – Board of Directors

Ridge View Bank – Advisory Board of Directors

Notable Projects: Carilion Clinic Roanoke Memorial Hospital Expansion | Roanoke, Virginia
Gramercy Row | Roanoke, Virginia
Appalachian Power Company and Parking Garage | Roanoke, Virginia
Pinnacle Financial Partners | Roanoke, Virginia
The Bridges | Roanoke, Virginia
Big Lick Junction & Community High School | Roanoke, Virginia
The Lawson Building | Roanoke, Virginia
FedEx Facility | Roanoke, Virginia
Sportsman's Warehouse | Roanoke, Virginia
Hampton Inn & Suites | Multiple Locations, Roanoke, Virginia
Walmart Neighborhood Market | Multiple Locations, Roanoke, Virginia
Haley Toyota | Roanoke, Virginia
Holiday Inn Express | Roanoke, Virginia
Parkside Commons | Roanoke, Virginia
CarMax | Roanoke, Virginia
Tru Hotel | Salem, Virginia



Chris Burns is an Associate and is a Civil Engineering Project Manager in Balzer and Associates' Roanoke office. Chris is responsible for designs, planning, and construction administration during the site development process from conceptual masterplans and construction documents to project management. His project experience includes a wide range of commercial, industrial, and residential projects to include services such as master planning, site and subdivision design, road and utility design, and stormwater management. One of Chris' many strengths is designing projects which balance aesthetic, environmental, and functional design.

Chris has experience in transportation design including flood study analysis and the preparation of traffic studies and traffic signal designs. Chris' design experience and project management skills make him a valuable resource to the company and to our clients.

Professional Experience:	16 Years
Education:	Virginia Tech, Bachelor of Science in Civil Engineering, 2006
Registration:	Professional Engineer: Virginia
Professional Associations:	Board of Directors, Roanoke Regional Home Builders Association
Notable Projects:	Botetourt Family YMCA Daleville, Virginia The Bridges Roanoke, Virginia Gramercy Row Roanoke, Virginia Appalachian Power Company and Parking Garage Roanoke, Virginia Carilion Clinic Roanoke Memorial Hospital Expansion Roanoke, Virginia Explore Park Roanoke, Virginia Roanoke City E-911 Virginia 811 Communications Center Roanoke, Virginia Ballyhack Golf Course Clubhouse Roanoke, Virginia Old Mill Apartments Lynchburg, Virginia Cregger Center at Roanoke College Salem, Virginia Russlen Farms Subdivision Salem, Virginia Walmart Neighborhood Market Multiple Locations, Roanoke, Virginia Orchard Marketplace Daleville, Virginia Fox Hunt Subdivision Roanoke, Virginia Mason's Crest Subdivision Roanoke, Virginia Greenway Expansion Projects Roanoke County, Virginia



Michael Fitzgerald is an Associate and is the Structural Engineering Department Head in Balzer and Associates' Roanoke office. Mike is responsible for the structural design and production of construction documents for commercial and residential projects. He personally reviews design calculations and construction drawings prior to final submittal. His experience covers both the design of new structures and the rehabilitation and renovation of historic structures.

Mike has substantial knowledge of the building process, from initial conceptual design, to construction document creation, construction management, and inspections. Mike has experience with a wide range of foundation types and building materials, such as spread footings, driven piles, mat foundations, concrete, masonry, wood, structural steel, and light gauge steel. Mike's project experience includes adaptive re-use and historic renovations, mid-rise multi-family, medical office and hospitals, retail, hospitality, religious, recreational facilities, infrastructure construction, and custom residential. Prior to working for Balzer and Associates, Mike was employed with an IAS accredited metal building manufacturer. He was responsible for the design of all main structural frames, secondary structural members, and building cladding. His designs were charged with the responsibility of being cost efficient while simplifying the erection process of complex metal building systems. Mike received substantial recognition with this employer, as he created and submitted all the information required for their IAS accreditation. Mike gained valuable experience in the fabrication of steel structures and became a certified welding inspector.

One of Mike's many strengths is his ability to have clear and effective communication with all members of the project team. Mike works effectively with owners and contractors towards clear design intent to achieve the most efficient and cost-effective structural framing system for the project. Mike works with clients and contractors from the initial planning phase through construction, ensuring a smooth transition from paper to the finished product. His education and experience enable him to provide a high level of quality and service to our clients.

Professional Experience:	13 Years
Education:	Virginia Tech, Bachelor of Science in Civil Engineering
Registration:	Professional Engineer: Virginia
Training & Certifications:	Certified Welding Inspector

Professional Associations: American Society of Civil Engineers (ASCE)

Notable Projects: Botetourt Family YMCA | Daleville, Virginia
Appalachian Power Company and Parking Garage | Roanoke, Virginia
Gramercy Row Apartments | Roanoke, Virginia
RE/MAX | Blacksburg, Virginia
Pinnacle Financial Partners | Roanoke, Virginia
American Civil War Museum | Richmond, Virginia
Bath County Hospital | Hot Springs, Virginia
E-911 Virginia 811 Communications Center | Roanoke, Virginia
1717 Innovation Center | Richmond, Virginia
CrossPointe Church | Wirtz, Virginia



CHRISTOPHER A. PHILLIPS, AIA

Executive Principal, Roanoke Office

Chris is Principal-in-Charge of our Roanoke Office, a partner, project manager and architect that brings over 21 years' experience in architecture and engineering. His experience and education in both architecture and engineering are valuable skills. He has experience with many responsibilities including client contact and communications, preparation of fee proposals, project planning, budgeting and scheduling, project design, oversight of construction document preparation, interfacing with regulatory agencies, and general project team leadership through construction and project close-out.

EDUCATION

MArch, Virginia Tech, 2006

BS, Arch Engineering, Fairmont
State College, 2003

EXPERIENCE

21 Years Total

REGISTRATION AND CERTIFICATION

Registered Architect: VA

MEMBERSHIPS

American Institute of Architects,
AIA

RELEVANT EXPERIENCE:

- Radford Public Safety Building, Radford, VA*
- Giles County Sheriff's Office, Giles County, VA*
- Pulaski County Sheriff's Office, Pulaski County, VA*
- Washington County Public Safety Building, Washington County, VA*
- Noel C. Taylor Vestibule Security Improvements, Roanoke, VA
- Roanoke City Public Schools Term Contract, Roanoke, VA
- Franklin County High School Comprehensive Study, Franklin County, VA
- Eagle Hall Feasibility Study, James Madison University, Harrisonburg, VA
- Facilities Annex Building Renovation/Expansion, Longwood University, VA
- Grayson County Public Schools Facilities Assessment, Grayson County, VA
- Salem High School Renovation & Addition, Salem, VA
- James Wood High School Renovation & Addition, Frederick County, VA
- Benjamin Franklin Middle School Renovation, Franklin County, VA
- Pulaski Middle School, Pulaski County, VA
- Robert E. Aylor Middle School, Frederick County, VA
- Rustburg Middle School, Campbell County, VA
- Indian Hollow Elementary School Renovation, Frederick County, VA
- Salem City Schools Term Contract, Salem, VA
- Henry County Public Schools Term Contract, Henry County, VA
- Orange County Public Schools Term Contract, Orange County, VA
- Giles County Public Schools Term Contract, Giles County, VA
- Charles R. Hawkins Engineering & Industrial Technologies Building Renovation, Danville Community College, Danville, VA
- School of Health Sciences Renovation – Phase 2, Emory & Henry College, Marion, VA
- Salem City Schools Term Contract, Salem, VA

* Served as lead Project Manager while with previous firm.



MATT ASTRIN, LEED AP

Project Principal | Public Safety Designer

EDUCATION

BS, Architectural Technology, New York Institute of Technology, 1991

EXPERIENCE

32 Years Total

MEMBERSHIPS

USGBC – LEED AP w/ Specialty BD+C
Design-Building Institute of America
(Hampton Roads Chapter)
[Board Member/Past President]
International Public-Safety Association
National Fire Protection Association
Association of Public-Safety Communication Officials
Virginia Fire Chiefs Association
USGBC – Virginia Chapter (Hampton Roads)
Virginia Municipal League (Corporate Member)
National Fire Protection Association
Community Emergency Response Team (VB-CERT: Certified)
ADA/Universal Design – Training Certification for Design Professionals
Crime Prevention Through Environmental Design (CPTED – Training Certification for Design Professionals)

Matt is a Principal and Director of Municipal and Public Safety Design and a LEED Accredited Professional with more than 32 years' of design and management experience. Matt has worked on many public safety studies and designs for municipalities including Virginia Beach, Chesapeake, Hampton, Hopewell, Town of Duck, North Carolina, among many other cities and counties. With RRMM, he has served as Principal-in-Charge and/or Specialty Designer on multiple public safety projects making him uniquely qualified to serve as Project Principal for your Fire Station.

As Director of RRMM's Municipal and Public Safety Design Studio, Matt has responsibility for all projects completed for public safety clients; as such, his knowledge of regulations and standards pertaining to 21st century public safety design is quite extensive. He has served as Principal-in-Charge and/or Project Manager on all of RRMM's recent Fire/Police/EMS projects, including supervision of production activities during each phase and coordination of all the disciplines involved.

RELEVANT EXPERIENCE:

- New Blackwater Fire and EMS Station #13, Virginia Beach, VA
- New Fire Admin Headquarters + Fire Station #7 at Town Center, Virginia Beach, VA
- New Fire Station #1 + 3-Story Tactical Fire Training Tower, York County, VA
- New Fire Station #10 + Logistics Support Center, Chesapeake, VA
- New 3-Bay Fire Station #20 (Gunston Area), Fairfax County, VA
- New Fire Station #11, Suffolk, VA
- New Fire Bureau Headquarters + Fire Station, Hopewell, VA
- New Fire and Rescue Headquarters + Station #6, Suffolk, VA
- New 4-Story Tactical Fire Training Tower, Hanover County, VA
- New 7-Story Tactical Fire Training Tower, Chesterfield County, VA
- Fire Station #7 Facility Conditions/Facility Needs Design Study, Chesterfield, VA
- Fire Station #9 Facility Conditions/Facility Needs Design Study, Chesterfield, VA
- New Public Safety Building – Full Programming and Design Services (Police/Fire/Surf Rescue), Town of Duck, NC
- New 3-Bay Fire Station #4, New Kent County, VA
- Facility Needs Program & Project Budget Assessment for a New 3-4 Bay Fire & Rescue Station, Hanover, VA (Conceptual Prototype)
- Re-Design EOC Watch Room - Convert to New Situational Awareness Center for Virginia Dept of Emergency Mgt (VDEM), North Chesterfield, VA
- Additions + Renovation of Existing FS #4 (Gender Friendly Bunks & Toilet Rooms + ADA & CPTED Upgrades + Add App Bays), Suffolk, VA
- Facility Needs Assessment & Site Selection Analysis for for a New 3-4 Bay Fire & Rescue Station, Chesapeake, VA (Conceptual Prototype)
- Additions + Renovation of Existing Fire Station #13 (Gender Friendly Bunks & Toilet Rooms + ADA & CPTED Upgrades + Add App Bays), Chesapeake, VA
- Facility Needs Assessment & Site Selection Analysis for New 3-4 Bay Fire & Rescue Station, Suffolk, VA (Harbour View)
- Existing Public Safety Building – Facility Condition and Space Needs Study (Police/Fire/Surf Rescue), Town of Duck, NC



CHRIS BECKER

VICE PRESIDENT
ROANOKE, VA

During Mr. Becker's years in the mechanical industry his experience has included projects in both the education and healthcare fields. He has a strong background in project management and subcontractor coordination.

EXPERIENCE

- 2013-Current · Vice President of Hopkins | Lacy
- 2000-2013 · G.J. Hopkins Inc., Roanoke, VA · Mechanical Project Manager managing a variety of mechanical and plumbing projects. Projects listed below. Additional responsibilities included managing sheet metal fabrication shop.
- 1987-2000 · CE Thurston & Sons · Contract Insulation Department Manager for the Roanoke VA and Greensboro NC Branches
- 1985-1987 · G.J. Hopkins Inc., Roanoke, VA · Promoted to Mechanical Estimator
- 1982-1985 · G.J. Hopkins Inc., Roanoke, VA · Entry field level plumbing apprentice.

PROJECTS

- Monogram Foods Martinsville VA- New Addition Food Processing Facility
- Munters Des Champs Buena Vista VA
- Kollmorgan Corporation Radford VA
- Hidden Valley High School Roanoke VA
- Virginia Tech Chemistry Physics Phase II
- Virginia Tech Bioinformatics Facility Phase I
- VA Hospital, Salem VA Chiller Upgrade
- Lewis-Gale Hospital New Oncology Addition Salem VA
- Lewis-Gale Hospital Surgery/MRI Addition Salem VA
- Virginia Tech Corporate Research Center Building 18
- Virginia Tech Transportation Institute Annex
- UVA Wise Arts Center
- Virginia Tech ICTAS 2
- VT IDRF
- Virginia Tech–Carilion Biomedical Research Expansion



DAN LIEBER P.E.

MECHANICAL ENGINEER
ROANOKE, VA

Mr. Lieber has a strong background in engineering and designing HVAC and plumbing systems. He has designed and led the design teams for many different types of buildings including commercial, federal, industrial, justice, US Department of Defense (DoD), higher education and health care facilities. Many of his projects required special "outside of the box" thinking and coordination of personnel spread across the United States. He has designed many different types of HVAC systems, and has a great deal of LEED projects experience.

EXPERIENCE

- Engineer of record for numerous healthcare design/build projects at locations which but not limited to include Carilion Roanoke Memorial Hospital, Carilion New River Community Hospital, and Carilion Roanoke Community Hospital.
- Over 9 years of experience with AECOM as a consulting engineer.
- Experience with most types of HVAC and Hydronic systems.

EDUCATION

BS, Mechanical Engineering, Virginia Military Institute

LICENSES AND CERTIFICATIONS

Professional Engineer, Commonwealth of Virginia



MARK MALONEY EIT

BIM & VDC ENGINEER
ROANOKE, VA

Mr. Maloney has over 10 years of experience in the mechanical industry, science and technology buildings, higher education, and general office type buildings. Starting with a background in HVAC design he took that knowledge and began to apply it to Virtual Design and Construction (VDC). He continues to develop and maximize the use of BIM software and capabilities to best aid from coordination through fabrication and installation.

EXPERIENCE

- 2011 - present · Hopkins | Lacy
- 2009-2011 · The Procz Group
- 2002-2009 · HDR CUH2A

EDUCATION

BSME, Virginia Tech - 2007

PROJECTS

W&L University · New Natatorium · Lexington, VA

44,000sf a 3-story aquatic center consisting of locker rooms, class rooms, multi-purpose rooms, and pool.

Radford University · Center for the Sciences · Radford, VA

114,000sf multi-level facility consisting of a wide range of lab space and classrooms

Virginia Tech Human and Agriculture · Biosciences Building · Blacksburg, VA

101,000sf multi-level facility consisting of mostly lab space.

Turner Street Project · Blacksburg, VA

139,000sf (net) 4-story building for offices and merchantile spaces. Along with a 7 story parking garage with 35,000 sf per level.



HOWARD WOODFORD

ESTIMATING DEPARTMENT HEAD
ROANOKE, VA

During Mr. Woodford's years in the electrical industry his experience has included projects in the education, commercial and healthcare fields. He has a strong background in project management and subcontractor coordination. Howard has worked in project management and estimating within the organization.

EXPERIENCE

- 1997 - present · Hopkins | Lacy
 - 2013 – present · Estimating Department Head
 - 2006 – present · Chief Electrical Estimator
 - 1997 - 2006 · Electrical Project Manager
- 1988 - 1997 · Moore's Electrical and Mechanical
 - 1993 - 1997 · Electrical Project Manager
 - 1990 - 1993 · Electrical Estimator
 - 1988 - 1990 · Electrical Superintendent

PROJECTS

- Virginia Tech – Carilion School of Medicine and Research Institute
- Carilion Clinic, Roanoke, VA
- Carilion Giles Memorial Hospital
- Virginia Tech Basketball Practice Facility
- Carilion New River Valley Medical Office Building
- Carilion Hospital Consolidation Project
- Multiple Condo Projects, Snowshoe Resort
- Virginia Tech Lane Stadium South Endzone Expansion



TONY WILLIAMS

BUSINESS DEVELOPMENT DIRECTOR

ROANOKE, VA

Tony's experience in the mechanical industry includes reviewing plans and creating detailed cost estimates for projects, many of which have been worth millions of dollars.

His responsibilities also include contacting and working with vendors and sub-contractors in order to produce quotes for mechanical equipment and services.

EXPERIENCE

- 2000 - present · Hopkins | Lacy
 - October 2021 – present · Business Development Director
 - September 2013 – present · Chief Mechanical Estimator
 - 2000 - September 2013 · Mechanical Estimator
- 1995 - 2000 · David S. Lowe Sheet Metal Manager
Fabrication Shop Worker

PROJECTS

- Virginia Tech – Carilion School of Medicine and Research Institute
- Virginia Tech -Carilion Biomedical Research Building
- Carilion Crystal Springs Tower Addition
- Carilion Clinic, Roanoke, VA
- Carilion Giles Memorial Hospital
- Virginia Tech Basketball Practice Facility
- Carilion New River Valley Medical Office Building
- Carilion Hospital Consolidation Project
- Radford University Center for the Sciences
- VMI Scott Shipp Hall
- Mineral Gap Data Center
- VT Biocomplexity Data Center
- Verizon Wireless Data Center 4G Upgrade
- Radford University Wellness Center
- Fallon Park Elementary
- Pulaski Middle School
- Auburn High School
- Fairview HVAC Replacement
- Breckinridge Middle School HVAC Replacement



STEPHEN D. HJELLE, PE

Geotechnical Services Manager



Education

MS, Civil Engineering,
University of Central
Florida, 2010

BS, Civil Engineering,
University of Colorado,
1983

Registrations

Professional Engineer
Virginia #047697
Florida #41024
Colorado #43440

Affiliations

American Society of Civil
Engineers

Years of Experience

5 Years with F&R
37 Years Total

Mr. Hjelle has more than 37 years of experience with numerous aspects of geotechnical engineering. He currently manages the geotechnical operations for F&R's Roanoke branch. In this role, he oversees a staff that develops subsurface exploration programs, soil and rock laboratory analysis, and provides geotechnical engineering recommendations. Mr. Hjelle's project experience includes transportation, K-12 and higher education, multi-family residential, commercial, medical, industrial, and site planning. He has experience with a varying assortment of geotechnical applications, including shallow- and deep foundations, removal and replacement operations during construction for unsuitable soils; drilled shafts, driven steel H-piles, L-pile, lateral earth pressures for earth retaining structures, slope stability, pressure grouting, and aggregate piers. Moreover, having worked for many years in Virginia's Valley and Ridge Geologic Province, Mr. Hjelle is experienced with the causes of and corrections for subsidence due to karst features.

Relevant Experience

Roanoke Regional Water Pollution Control Plant, Roanoke, VA

Mr. Hjelle conducted a geotechnical exploration in support of additional structures for Peak Flow Enhancements. His team provided penetration test (SPT) soil borings and NQ-wireline rock coring to determine subsurface conditions at the site. The exploration also included the classification of soils and rock quality determination (RQD). Due to Loose alluvial soils and river jack, Mr. Hjelle provided recommendations for excavation support and shoring systems as well as parameters for anchorage into bedrock to resist uplift pressures induced by high groundwater conditions anticipated during the 100-year flood.

Virginia Tech Carilion Health and Technology Expansion, Roanoke, VA

Mr. Hjelle managed the drilling and laboratory testing program in support of the new construction at the addition to the existing medical school. He also provided geotechnical recommendations for foundation design.

Roanoke City - Salem Avenue Bus Terminal, Roanoke, VA

Mr. Hjelle supervised the subsurface exploration and laboratory testing program in support of the construction of a proposed new bus terminal that would include two canopy structures, a main bus facility as well as new pavement. Once his team concluded field and laboratory activities, Mr. Hjelle provided foundation design recommendations, pavement design guidance, and lateral earth pressure recommendations.

AEP Parking Garage, Roanoke, VA

Mr. Hjelle supervised the subsurface exploration and laboratory testing program in support of the construction of a proposed new multi-level parking deck planned to contain 270 spaces and to be constructed on the site of an existing asphalt parking lot. Once his team concluded field and laboratory activities, Mr. Hjelle provided shrink-swell considerations, lateral earth pressure recommendations, foundation design recommendations, shallow foundation, and construction recommendations.



Education

B.S. Geology, Middle
Tennessee State University,
1985
Graduate Studies, Geology
Auburn University
U.S. Army Vietnam War "Era"
Veteran (1971-1974)

Certifications

American Board of Industrial
Hygiene, Certified Industrial
Hygienist (CIH) #10730CP
Certified Professional
Geologist: VA #2801001809
Certified Hazardous Materials
Manager #12757
Certified Safety Professional
#CSP-32841

Virginia

Asbestos Inspector
#3303001281
Asbestos Management
Planner #33040000875
Asbestos Supervisor
#33020012164
Asbestos Project Monitor
#3309000070
Asbestos Project Designer
#3305000737
Lead Risk Assessor
#3356001155

Years of Experience

35 Years

Mr. Hargrove is a licensed Professional Geologist and Certified Industrial Hygienist with more than 35 years of consulting services involving: geological, hydro-geological, asbestos, mold, lead, hazardous materials, industrial hygiene, safety, sub-surface investigation and remediation, and property acquisition due diligence. Mr. Hargrove regularly designs and performs a variety of services associated with asbestos including pre-renovation/demolition inspection for asbestos-containing materials, development of Operation and Maintenance (O&M) Plans, drafting of abatement project specifications, and monitoring of asbestos abatement operations. Other industrial hygiene duties include lead-based paint (LBP) and other hazardous materials inspections and developing related risk assessment as well as conducting inventories of abandoned substances.

Relevant Experience

Roanoke City Courthouse, Roanoke, VA

Mr. Hargrove provided team review of the asbestos abatement project monitoring to oversee cleanup, stabilization, during abatement of asbestos containing materials at Roanoke City Courthouse. F&R periodically inspected the contractor during asbestos removal work to document the work is being performed in accordance with applicable OSHA and EPA requirements concerning asbestos. F&R team members also conducted visual inspections of the work areas following completion of asbestos removal by the contractor, collected ambient air samples during the asbestos abatement work to verify that fugitive air emissions are not occurring, and maintained a log of activities occurring during the project.

Augusta County Courts Additions and Renovations, Staunton, VA

Mr. Hargrove performed limited regulated materials survey for the Beverley Manor Elementary School prior to the Augusta County Courts administration moving in temporarily during additions and renovations at Augusta County Courts. This project involves tearing down the current building that houses the general district and juvenile courts on E Johnson St. The current circuit courthouse built in the early 1900s will be renovated and converted into office space. General district and juvenile court cases will be heard in Beverley Manor Elementary School during the construction of the new courthouse.

GSA - Charles R. Jonas Courthouse, Charlotte, NC

Mr. Hargrove provided project oversight of the abatement of asbestos containing materials during the additions and renovations to the Charles R. Jonas Courthouse. The existing building provides 134,000 gross square feet of space and houses the U.S. District Court, Grand Jury, U.S. Court of Appeals Judiciary, Bankruptcy Court, Magistrate Court, and U.S. Marshals Service. The purpose of this project is to renovate and expand the 100-year old Jonas Courthouse building so that it may have the necessary physical space to accommodate the full program and operational needs of the various entities containing within, while preserving the historic structure and nature of the building.



JESSE D. PHILLIPS, CIH, CSP

Industrial Hygiene Practice Leader



Education

B.S., Environmental Science
& Philosophy, Roanoke
College

Registrations

Certified Industrial Hygienist
#12120 CP
Certified Safety Professional
#CSP-39711
OSHA 40-Hour HAZWOPER
29 CFR 1910.120

VA: Asbestos Supervisor
Asbestos Inspector
Asbestos Project
Monitor
Asbestos Project
Designer
Lead Risk Assessor

MD: Asbestos Inspector
Asbestos Project
Designer
Lead Risk Assessor

NC: Asbestos Inspector
Asbestos Project
Designer

WV: Asbestos Inspector

DC: Lead Risk Assessor

DPOR Approved Lead and
Asbestos Trainer

Geosynthetic Institute
GCI-ICP Certified Inspector

Years of Experience

16 Years with F&R
19 Years Total

Mr. Phillips is an Industrial Hygiene Practice Leader. His primary focus areas include asbestos containing materials, lead-based paint, indoor air quality studies, including microbial assessments and remediation, and employee exposure. Mr. Phillips performs high-level project management, scoping, and technical QA/QC in support of environmental services across the company. He regularly designs and performs a variety of services including pre-renovation/demolition site inspections and assessments for the identification and delineation of environmental concerns, development of Operation and Maintenance (O&M) Plans, drafting of abatement specifications, and monitoring of abatement projects. Mr. Phillips provides expert witness testimony during litigation and provides guidance for owners, architects, and contractors. He provides senior project oversight and company-wide senior review of environmental reports and deliverables and has extensive experience performing Phase I and Phase II Environmental Site Assessments (ESAs), Environmental Impact Reviews, and subsurface investigations. Mr. Phillips develops site and groundwater maps, and has experience in groundwater remediation systems installation and operation, landfill construction quality assurance, and hydrological evaluations. He is also an approved trainer for several classes required by the U.S. Environmental Protection Agency (EPA) and the Virginia Department of Professional and Occupation Regulation (DPOR).

Relevant Experience

Roanoke County, Term Contract for Environmental Services, Roanoke, VA

Mr. Phillips manages F&R's on-call contract with the County to provide environmental services including asbestos and lead project management of county owned properties or sites identified for purchase or development.

City of Roanoke, Lead Safe Program, Roanoke, VA

Mr. Phillips manages the daily activities associated with F&R's inspection of City properties in the Lead Safe Roanoke program. His team has inspected over 100 facilities during the course of a renewed term contract with the City.

Roanoke Redevelopment and Housing Authority, Various Projects, Roanoke, VA

Mr. Phillips manages F&R's due diligence and industrial hygiene services in support of RRHA initiatives. He and his team regularly evaluate real estate, test for hazardous materials prior to demolition, and provide consulting services for planning purposes.

City of Roanoke, Term Contract for Environmental and Due Diligence Services, Roanoke, VA

Mr. Phillips manages F&R's on-call contract with the City to provide industrial hygiene services including asbestos and lead project management and due diligence investigations of city owned properties or sites identified for purchase or development.

Pulaski County Public Schools - New School Site, Pulaski County, VA

Mr. Phillips conducted Phase I ESAs on two separate building sites for the construction of the new middle school. The survey included non-invasive evaluation concerns related to suspect asbestos containing materials, lead-based paint, wetlands, radon, and mold.

QUALIFICATIONS & EXPERIENCE

3.1.4. Provide the names, addresses, and telephone numbers of persons within the firm or consortium of firms who may be contacted for further information.

Catherine Underwood, LEED AP | President & Design-Build Project Manager

Branch Builds, Inc.

3635 Peters Creek Road

Roanoke, VA 24019

(O) 540-989-5215

(M) 540-400-1405

cathyu@branchbuilds.com

Robert Pilkington | Architect & Sr. VP

Balzer & Associates

1208 Corporate Circle

Roanoke, VA 24018

(O) 540-772-9580

(M) 540-641-0896

rpilkington@balzer.cc

Chris A. Phillips, AIA | Principal

RRMM Architects

28 Church Avenue, SW

Roanoke, VA 24011

(O) 540-344-1212

(M) 540-230-8790

cphillips@rrmm.com

QUALIFICATIONS & EXPERIENCE

- 3.1.5. Provide a current or most recently audited financial statement of the firm or firms and each partner with an equity interest of twenty percent or greater.

Not Applicable

QUALIFICATIONS & EXPERIENCE

3.1.6. Identify the officers and directors of the firm or firms submitting the proposals.

Branch Builds, Inc.

Donald Graul	CEO	Danny Minnix	Vice President of Safety
Catherine Underwood	President	Matt Wise	Vice President of Accounting
Bob Wills	CFO & Treasurer	Berton Austin	Vice President of Business Operations
Jeff Bourne	Secretary	Tony Brown	Vice President of Estimating

Balzer & Associates

Mark Beall	Executive Vice President	David Lisowski	Associate
Aaron Breed	Associate	Jim McAden	Past President
Michael Bricker	Executive Vice President	John McAden	Senior Vice President
Jeff Bridges	Associate	William Moore	Vice President
Ray Burkholder	Executive Vice President	James Patton	Vice President
Chris Burns	Associate	Todd Persinger	Senior Vice President
Todd Chalmers	Executive Vice President	Robert Pilkington	Senior Vice President
Keith Cooper	Associate	James Ruhland, III	Associate
Benjamin Crew	Vice President	Emily Salkind	Associate
Chris Finley	Associate	Paykon Sarmadi	Associate
Michael Fitzgerald	Associate	Andy Scherzer	Executive Vice President
Justin Fournier	Vice President	Brad Schurman	Associate
Kate Goodman	Associate	Steve Semones	Executive Vice President
Taylor Goodman	Executive Vice President	Chris Shust	Executive Vice President
Daniel Hansen	Vice President	James Taylor	Associate
David Hogan	Vice President	Randall Tritt	Vice President
Sean Horne	President	Ryan Watson	Associate
Kevin Jones	Associate		

RRMM

Mark Beall	Executive Vice President	Jim McAden	Past President
Aaron Breed	Associate	John McAden	Senior Vice President
Michael Bricker	Executive Vice President	William Moore	Vice President
Jeff Bridges	Associate	James Patton	Vice President
Ray Burkholder	Executive Vice President	Todd Persinger	Senior Vice President
Chris Burns	Associate	Robert Pilkington	Senior Vice President
Todd Chalmers	Executive Vice President	James Ruhland, III	Associate
Keith Cooper	Associate	Emily Salkind	Associate
Benjamin Crew	Vice President	Paykon Sarmadi	Associate
Chris Finley	Associate	Andy Scherzer	Executive Vice President
Michael Fitzgerald	Associate	Brad Schurman	Associate
Justin Fournier	Vice President	Steve Semones	Executive Vice President
Kate Goodman	Associate	Chris Shust	Executive Vice President
Taylor Goodman	Executive Vice President	James Taylor	Associate
Daniel Hansen	Vice President	Randall Tritt	Vice President
David Hogan	Vice President	Ryan Watson	Associate
Sean Horne	President		
Kevin Jones	Associate		
David Lisowski	Associate		

QUALIFICATIONS & EXPERIENCE

3.1.7. Identify any persons known to the proposer who would be obligated to disqualify themselves from participation in any transaction arising from or in connection to the Project pursuant to The Virginia State and Local Government Conflict of Interest Act, Chapter 31 (§ 2.2-3100 et seq.) of Title 2.2.

After review of applicable Virginia laws and regulations, specifically Chapter 31 of Title 2.2, to the best of our knowledge, no member of our proposed team has any conflicting interests and no member of our proposed team will participate in a future interest that would conflict in any manner with the performance of services required under this PPEA project for Roanoke County.

QUALIFICATIONS & EXPERIENCE

3.1.8. Identify proposed plan for obtaining sufficient numbers of qualified workers in all trades or crafts required for the Project.

Having 59 years of experience working in partnership with trade partners across the Roanoke Valley and the Commonwealth as a whole, Branch offers exceptional knowledge of the local Roanoke and regional SW Virginia markets. Our projects are typically large and sophisticated endeavors, which has enabled our firm to work closely with the most competent and qualified trade partners in Roanoke and across Virginia – the subcontractors best suited for your project. We work closely with our outstanding local trade partners to achieve a high level of performance on all projects. Additionally, we operate in a climate of trust, respect and mutual benefit with our trade partners, which allows our firm, and clients, to enjoy the cost savings associated with having large groups of trade partners who prefer to work with our firm due to Branch's partnering approach.

While our intent is always to work with trade partners within a project's immediate community, market conditions can necessitate expanding trade coverage across our vast network of Virginia and other Mid-Atlantic trade partners. Our ability to bring known, pre-qualified trade partners from other markets offers a tremendous advantage for our clients for the following reasons:

- We are experienced working with the Commonwealth's and Mid-Atlantic region's most qualified and capable trade partners – Branch has successful working relationships in place, eliminating efficiency-draining learning curves.
- Best value options – our relationships with trade partners are born in trust. This foundational trust allows us to look for the best project solutions through candid communications very early in the process.
- Best pricing – one of the primary drivers of cost is risk. Due to our long-standing relationships with our trade partners and our proven success in project delivery, we are able to maximize the budget by reducing fear and uncertainty, and therefore dollars, in our trade partners' estimates.
- In today's market, it can be challenging to ensure strong trade participation. Due to our footprint and experience in the Mid-Atlantic region we can communicate early and avoid bid conflicts with other large projects in the region.

We will use a multitude of methods to reach out to the subcontracting community and generate interest in this project. Our primary protocol for soliciting subcontractor participation includes the following:

- **Local Construction Offices** – We have three (3) offices; Roanoke, Richmond and Herndon, Virginia. We have a large number of trade partners that are actively soliciting work from each of our offices every day. We continuously communicate with our trade partners who regularly inquire about our upcoming opportunities and this project would be no different.
- **Mass Communication** – We will send out invitations to prequalify through mass email and faxes using our extensive database of qualified trade partners. These invitations will allow trade partners to access our online plan room to view and download forms, plans, specifications, photos, and other pertinent documents and information.
- **Branch's Website** – We will place information on our website that will allow trade partners to stay up to date with email in addition to accessing our online plan room.
- **Construction Solicitation/Reporting Services** – We will post the request for pre-qualifications with Reed, Dodge, and Bluebook. We will work directly with these companies to post information on their websites and to actively solicit trade partners from their databases. We have had great success working with these organizations to solicit trade partner interest over the years.
- **Advertisements** – We will advertise the project in a multitude of newspapers, with a specific aim at generating local interest.

Subcontractors are truly partners and not unlike the owner or the design team, their success and ours is directly related. As such, Branch conducts an extensive prequalification process for each subcontractor to ensure only qualified tradesman with acceptable safety, quality, schedule and financial records are invited to participate in the bidding process.

QUALIFICATIONS & EXPERIENCE

In addition to soliciting strategic trade partner input during the preconstruction phase, Branch continuously evaluates the market with an eye toward assembling a comprehensive list of highly qualified trade contractors to be considered later for competitive bidding. Trade prequalification is a very deliberate process that commences early in preconstruction. We utilize a standard in-house form which each trade partner is required to have on file and update annually.

Our process will include verifying references, visiting completed work when appropriate and conducting interviews. Although the evaluation basis will vary for each trade package, in general the governing criteria will be based on each trade's demonstrated capability to complete work of the complexity and value of the scope pursued. Prior to award, we conduct conferences with each low bidder to verify scopes of work, schedule, safety and quality standards.

Branch's philosophy of cultivating mutual respect and shared successes with our trade partners has been a crucial factor in the tremendous success our firm has achieved. We believe our collaborative partnering approach with subcontractors, and the resulting performance they provide our firm, is fundamental to Branch's success as a regional firm competing and regularly winning work against national competition.

QUALIFICATIONS & EXPERIENCE

3.1.9. Provide information on any training programs, including but not limited to apprenticeship programs registered with the U.S. Department of Labor or a State Apprenticeship Council, in place for employees of the firm and employees of any member of a consortium of firms.

As a 100% employee-owned firm, Branch Builds, Inc. is committed to the development and success of our employee owners. We have a structured approach to all elements of employee development that utilizes processes and practices that have been refined over many years.

Internship Program | Branch has a systematic, continuous internship program where our firm provides internships for students preparing for a career in construction. Most of these internships are summer positions, but when opportunities exist, some interns are able to continue internship roles during the academic calendar. Our internship program is deliberately structured to provide interns with flexibility regarding their work focus. Interns are able to spend time in different aspects of the construction business or they can focus on a particular area – we take pride in tailoring our program to accommodate both the needs of the intern as well as the company. We have had tremendous success with our program, which has been instrumental in allowing our firm to grow with homegrown talent that understands and exudes Branch’s core values.

Employee Training & Development | Branch works continually with all employee owners to establish both short and long-term goals for development, according to each employee’s individual goals. All employees are asked to work with their direct reports to identify areas for personal development and the company in turn provides in-house development training as well as access to outside training. It is a company expectation that each employee participate in at least one developmental training program per year. Branch utilizes a state-of-the-art computer-based Learning Management System (LMS) to identify individual training needs, offer a broad base of training courses and track progress and training histories for everyone.

Safety Training | As described in more detail in *Section A 3.1.12 – Safety Program*, Branch operates via a safety-first culture in everything we do. Safety is first and foremost in all aspects of our business from the field to the office (i.e., every meeting any employee-owner of Branch participates in will begin with a “safety moment” and pertinent discussion around a safety topic of relevance). Therefore, safety training at Branch is a very deliberate structured and continual process for our firm. Our award-winning safety program is led by our Corporate Safety Director who, along with his staff of certified safety professionals, develops, implements and tracks safety training for all Branch employees via our (LMS) platform.

QUALIFICATIONS & EXPERIENCE

3.1.10. Provide information on the level of commitment by the firm or consortium of firms to use Department of Minority Business Enterprise firms in developing and implementing the Project.

Branch is one of the leaders in supporting Virginia's SWaM initiative. We are long-time annual sponsors of Virginia's prominent SWaMFest event, where we engage and assist SWaM firms in obtaining SWaM certification and becoming prequalified to propose on Branch projects. During the design and preconstruction phase, our professionals structure trade packages to fit the scope of services offered by SWaM firms while partnering them with a larger, proven sub to collaborate with on that particular package. We have also served as a mentor in SWaM Mentor-Protégé relationships where we partner with a small SWaM general contractors to work alongside our professionals as an educational opportunity.

We have provided more information regarding our success managing SWaM requirements across the Commonwealth in the *Tab D (3.4.6) – SWaM Participation* section of this proposal.

QUALIFICATIONS & EXPERIENCE

3.1.11. For each firm or major subcontractor that will perform construction and/or design activities, provide the following information:

3.1.11.1. A sworn certification by an authorized representative of the firm attesting to the fact that the firm is not currently debarred or suspended by any federal, state or local government entity.

3.1.11.2. A completed qualification statement that reviews all relevant information regarding technical qualifications and capabilities, firm resources and business integrity of the firm, including but not limited to, bonding capacities, insurance coverage and firm equipment. This statement shall also include a mandatory disclosure by the firm for the past three years any of the following conduct:

- A. bankruptcy filings**
- B. liquidated damages**
- C. fines, assessments or penalties**
- D. judgments or awards in contract disputes**
- E. contract defaults, contract terminations**
- F. license revocations, suspensions, other disciplinary actions**
- G. prior debarments or suspensions by a governmental entity**
- H. denials of prequalification, findings of non-responsibility**
- I. safety past performance data, including fatality incidents, "Experience Modification Rating," "Total Recordable Injury Rate" and "Total Lost Workday Incidence Rate"**
- J. violations of any federal, state or local criminal or civil law**
- K. criminal indictments or investigations**
- L. legal claims filed by or against the firm**

Please reference **Volume II, Redacted Proprietary Information**, for Statements of Certification/Qualification from Branch Builds, Inc., Balzer & Associates and RRMM Architects.

3.1.12. Worker Safety Programs: Describe worker safety training programs, jobsite safety programs, accident prevention programs, written safety and health plans, including incident investigation and reporting procedures.

Branch uses a three-pronged approach to subcontractor safety management: Pre-qualification evaluation, contractual requirements and construction phase monitoring. Prior to being issued a contract, each subcontractor must complete and submit the Branch safety prequalification material to be evaluated by the Safety Department. This evaluation assesses key safety metrics of the subcontractor that include EMR, OSHA violations records and OSHA injury rates, and imposes various requirements on subcontractors who do not meet the desired expectations. At times, subcontractors are eliminated from consideration as a result of the prequalification process.

After prequalification, each subcontractor contractually agrees to abide by all safety policies and procedures as required by local, state, and federal agencies, as well as Branch's strict guidelines. It is important to note that our contracts include various Branch requirements that exceed OSHA minimum regulations. This is followed by the employment of extensive, systematic construction monitoring services provided by Branch's Safety Department.

Branch's comprehensive safety program is managed by our Corporate Safety Director, Danny Minnix. The plan is published and distributed to all of Branch's employees as well as being accessible within the site construction office. Branch will hold a site-specific safety training meeting for all who will be performing

QUALIFICATIONS & EXPERIENCE

work on-site. This training will include viewing a video of Branch's safety policies as well as a review of the site-specific safety concerns related to worker, pedestrian, vehicle and general public safety.

Upon completion of the training, each individual will receive a project specific hard hat sticker, identifying the individual as approved to perform work on-site. All construction personnel to include subcontractors, owner's representatives, etc... will be required to display their hard hat sticker while on-site. A list of all personnel receiving hard hat stickers will be maintained in the jobsite construction office. Visitors will be requested to sign in at the trailer and will receive safety orientation and a temporary identification tag for safety and security purposes. No one will be allowed on-site without proper training and the identifying hard hat sticker.

Our Superintendent will note safety related issues on the daily logs with any necessary notifications being distributed to the subcontractor's home office. Branch has a zero-tolerance policy with regard to any action that may compromise safety of pedestrians or jobsite personnel.

To ensure pedestrian safety, Branch will utilize fence lines and signage as well as early communication and planning to minimize the risks associated with working on an occupied campus. Signage will be used to clearly identify entrances, exits, and construction project boundaries. Project schedules and three week look-ahead schedules will be coordinated with the owner's needs. Clear communication regarding the schedule of construction activities will be utilized throughout the duration of the project. This will ensure that all of the project stakeholders are informed of potentially dangerous activities (i.e. crane operations) in a timely manner.

Our comprehensive safety manual is available upon request and will be readily available at the jobsite at all times. It will additionally be distributed to subcontractors prior to receiving bids for this project. We demand that all subcontractor partners have a clear understanding of our rigid safety standards prior to the commencement of construction.

Highlights of our safety-first program include:

- Subcontractor written acknowledgement of our policy
- Numbered hard hat stickers for every worker on site
- Weekly inspections conducted by inspectors from our corporate safety division
- Daily safety inspections by on site safety supervisor
- Safety orientations for each subcontractor prior to starting work
- Mandatory weekly tool-box meetings
- New worker orientations (includes all subcontractors as well as, Branch employees)
- First aid, CPR and AED training every two years
- OSHA 30-hour training upon hire and refreshers every two years thereafter

Violations of our policy are addressed as follows:

- 1st violation | written warning issued to offending individual and party's office
- 2nd violation | removal from the jobsite for one day
- 3rd violation | permanent removal from the project



*2021 National Council for Safety,
Occupational Excellence Achievement Award
(15th consecutive year)*



TAB B | PROJECT CHARACTERISTICS

- 3.2.1 Project Description ■
- 3.2.2 County-Performed Work
- 3.2.3 Required Approvals & Permits
- 3.2.4 Adverse Impact
- 3.2.5 Positive Impact
- 3.2.6 Project Schedule ■
- 3.2.7 Public Need Contingency
- 3.2.8 Risk & Liability Allocation
- 3.2.9 Assumptions & Restrictions
- 3.2.10 Phased Components
- 3.2.11 Applicable Standards
- 3.2.12 Miscellaneous Assumptions ■
- 3.2.13 Contingencies

■ Section includes confidential information provided in **Volume II - Redacted Proprietary Information**

PROJECT CHARACTERISTICS

3.2.1. Provide a description of the Project, including the conceptual design. Describe the proposed Project in sufficient detail so that type and intent of the Project, the location, and the communities that may be affected are clearly identified.

The Branch | Balzer | RRMM team's new Bonsack Fire Station has been thoughtfully conceived with an intentional blend of aesthetics to match the County's provided general exterior look, cost control, low maintenance and functionality in its physical structure. Our design team has made assumptions of the size and layout of spaces to be provided in the building based on the County-provided detailed program document, the County-provided exterior view and site layout, as well as the design team's collective experience with similar facilities of use, size and construction. However, the design provided would still require a more detailed review of the program needs and, therefore, our team would work closely with the Roanoke County Fire Department administration as well as Roanoke County General Services to finalize the program and provide the best facility for the County's needs. The design in this submission has many merits, but we put this forth as a placeholder, with the understanding that valuable input and feedback from the end user(s) would be most beneficial.

The proposed building is planned to accommodate not only the current apparatus and staff needs, but also plans for future growth. The apparatus bays were designed to accommodate multiple vehicles and the largest vehicles in the fleet, including Tower 9. Our design proposes a new modern fire station where the building is divided into three main areas: the "dirty" side of the building on the left, to be used for storage of gear, equipment, etc. specific to the fire station apparatus; the apparatus bays in the center of the building with three (3) bay doors each side, with "drive-thru" access; and the "clean" side of the building used for bunk space, restrooms/shower rooms, locker spaces, dayroom/kitchen areas and administrative offices. Layout and sizes of the spaces are based on the program requests stated in the RFP. The building design is one-story with the exception of a small mezzanine area for miscellaneous building equipment and for potential of hose drying. Total building floor area is approximately 12,750sf and the building will be fully protected by automatic fire sprinkler system.

Please reference **Volume II, Redacted Proprietary Information**, for additional details on our dynamic, yet efficient design solution.

PROJECT CHARACTERISTICS

3.2.2. Identify and fully describe any work to be performed by the public entity.

In order to develop your project in accordance with Roanoke County's requirements and the intended efficiency of the PPEA process, cooperation and assistance are necessary from the County. Fundamentally, what is required is the opportunity to collaborate with you, your designees, and key stakeholders – including members of the community at large – to further refine the public safety specifications, sites, and buildings to ensure your collective satisfaction. This may take many forms, but often entails visiting new schools to experience the facility in person, observe the relationship between programs and spaces, and witness first-hand the possibilities that abound.

Before entering into an agreement, we respectfully request/suggest the County confirms that you will:

1. Appoint primary representatives and points of contact for all contractual, management, design and construction issues.
2. Designate a committee to collaborate with our team to refine proposed conceptual plans in accordance with budget parameters, program goals, community needs and regulatory requirements.
3. Provide reasonable access to the proposed site without encumbrances or costs.

This project will necessarily require permitting and approvals from federal, state, and local agencies (see section B 3.2.3). To the extent that such requires your participation, we are prepared to assist you. However, to the extent appropriate, our team is prepared to handle all such matters directly to lessen the burden on the County.

Collaboration is key, and the County's participation is both necessary and welcomed!

PROJECT CHARACTERISTICS

3.2.3. Include a list of all federal, state and local permits and approvals required for the Project and a schedule for obtaining such permits and approvals.

Our team of key local professionals with commensurate experience will coordinate the permitting and approval process. All required submittals for the site and buildings will be made with the appropriate reviewing agencies. Technical review meetings will be scheduled and held with building departments as appropriate and welcomed.

Roanoke County will review and issue permits for the proposed Fire Station based on the Virginia Uniform Statewide Building Code. The project must be reviewed and approved at three different stages during the design process: Schematic Design, Preliminary Design, and Final Design. A three-week period should be allowed for each review.

Our team will meet with Roanoke County or its designated committee for a design kick-off meeting during the Schematic Design Phase for discussion of project goals and any concerns that may arise. The team will then schedule follow-up meetings after each review. These meetings are intended to simplify the review process and allow consensus to be reached before proceeding to each subsequent phase.

Permits and approvals include, but are not limited to the following:

Approvals:

- Comprehensive Development Plan Approval
- Western Virginia Water Authority Approval

Permits:

- Land Disturbance Permit
- VSMP Permit
- Right of Way Excavation Permit

Post Construction As-Built Approvals:

- Western Virginia Water Authority As-Built Approval
- City of Roanoke Stormwater Management and Storm Sewer Approval

Building Approval & Permits

- City of Roanoke Building Permit

PROJECT CHARACTERISTICS

3.2.4. Identify any anticipated adverse social, economic and environmental impacts of the Project. Specify the strategies or actions to mitigate known impacts of the Project. Indicate if an environmental and archaeological assessment have been completed.

While we would like to suggest that no adverse social or economic impacts are anticipated with this project, doing so would be intentionally misleading. We recognize that any time a development such as the one proposed herein is completed within the context of a community, there exists the potential for adverse impacts. Perhaps a better question relates to how prepared our team and others are to address that potential.

Adverse impacts can arise from any number of sources including the existing site conditions, disruptions for utility connections, traffic inconveniences for street or lane closures and even the possible concerns of surrounding property owners. To the extent a team is already familiar with these and other potential factors, it is better equipped to mitigate or, better yet, avoid their impacts.

To lessen these inconveniences, we will implement a communications plan. Included in the plan will be a site logistics plan to identify the project limits, prepare and send communications to Roanoke County as well as surrounding neighbors as appropriate, and to offer employment opportunities through subcontractors. We will provide site signage that illustrates “what is to come” to generate excitement, and we will appropriately locate signage so everyone can easily, and safely navigate around the site.

Additionally, strong consideration must be given to various stakeholders and their divergent needs within the greater Roanoke County community. We are well versed in organizing stakeholder meetings that allow for productive and meaningful conversations that guide our intentions when designing your new fire station. At our stakeholder meetings, the public will be encouraged to not only provide feedback on the fire station project and also to voice concerns they may have. These will all be taken into consideration and will help shape the project as it progresses.

As part of the Bonsack Fire Station RFP, we were provided the Phase 1 Environmental Site Assessment, dated May 13, 2022. The Branch | Balzer | Moseley team is prepared to help guide the County through all additional and necessary due diligence work during the preconstruction phase.

PROJECT CHARACTERISTICS

3.2.5. Identify the projected positive social, economic and environmental impacts of the Project.

Perhaps the most important impact of this proposed new fire station is that this new facility will allow for improved public safety service to the Bonsack and surrounding areas. Rapid developments in technology have led to more modern and efficient public safety facilities from which Roanoke County residents will benefit. Enhancing the availability of fire safety resources and reducing respond times will have an obvious positive impact on the wellbeing of County residents in the Bonsack area. Furthermore, sustainable features will be incorporated into the project to provide a more efficient and cost-effective facility.

Positive impacts include:

1. A modern fire station that will allow Roanoke County to meet your public safety responsibilities for all County residents and employers.
2. A facility designed and constructed to provide a long-lasting structure that is energy efficient with reduced energy and life cycle costs.
3. A facility that will be environmentally sensitive, utilizing state-of-the art design, materials and construction measures.
4. PPEA procurement, specifically “Design-Build” project delivery will save time, money and offer options that otherwise would unlikely be realized.
5. Community recognition for the quality of public safety being offered to County employees and residents.

PROJECT CHARACTERISTICS

3.2.6. Identify the proposed schedule for the work on the Project, including the estimated time for completion.

Please reference **Volume II, Redacted Proprietary Information**, for our preliminary project schedule.



PROJECT CHARACTERISTICS

3.2.7. Identify contingency plans for addressing public needs in the event that all or some of the Project is not completed according to projected schedule.

Branch, Balzer and RRMM are leading municipal design and construction professionals in the Roanoke Valley. We all have achieved our reputations and track records for success by successfully delivering on our commitments -occupancy deadlines are always of the highest priority. Our design-build team of professionals is highly conditioned to operate under strict budgetary requirements and firm occupancy deadlines and we will provide comfort and assurance to the County that we will deliver on-time for Roanoke County, just as we do for our vast array of K-12 clients across the Commonwealth each year who all have unwavering academic calendar occupancy deadlines.

PROJECT CHARACTERISTICS

3.2.8. Propose allocation of risk and liability for work completed beyond the agreement's completion date, and assurances for timely completion of the Project.

As just mentioned in Section 3.2.7, the Branch | Balzer | RRMM team is a highly accomplished group of municipal design and construction professionals with decades-old track records for timely delivery. There are always factors that might influence our timeline commitment; they are unforeseen and may include but are not limited to: zoning issues, community concerns, adequate/acceptable financing, regulatory approvals, jurisdictional approvals and support, site conditions beyond reasonable expectations and surrounding infrastructure and its ability to support utility loads, to identify a few.

The Branch | Balzer | RRMM Design-Build team will assume responsibility and guarantee timely completion for all responsibilities within our control. Roanoke County assumes no liability whatsoever if the completion schedule is not within the contractual completion time under the terms of the Comprehensive Agreement, except as qualified above.

Our team is ready to assume all performance risks for design and construction. We are prepared to provide guarantees for said work contractually through the Comprehensive Agreement and to assure Roanoke County and residents that failing to meet our commitment is not without consequential risk.

PROJECT CHARACTERISTICS

3.2.9. State assumptions related to ownership, legal liability, law enforcement and operation of the Project and the existence of any restrictions on the County's use of the Project.

As with any public facility in Roanoke County, ownership and operation will remain the responsibility of Roanoke County, and the responsibility to police those facilities will remain with local law enforcement. To the extent the unique nature of PPEA procurement has the potential to alter those arrangements, clarification is provided below.

Ownership liabilities | We understand Roanoke County owns the land necessary for the new fire station. At a time to be established by the parties, Roanoke County will assume full legal liability for the property and will be wholly responsible for its security and insurance.

During the Design-Build phase of the project, our team will assume those legal liabilities normally and usually associated with our business practices while engaged in the project and on the site. Inclusions of contract documents will be incorporated at the time of the signing of the Comprehensive Agreement.

We assume that all construction will be on property already owned by Roanoke County and that adequate water, sewer and electricity is available.

Law Enforcement | As is customary, Roanoke County will have, upon occupancy, full responsibility for enforcing any and all laws and restrictions pertaining to the safe and lawful use of the property where new construction is involved. Likewise, Roanoke County will have full responsibility for enforcing any and all laws and restrictions pertaining to the safe and lawful use of any portions of the project that remain occupied and used for educational purposes throughout the process.

Restrictions | Our team will not impose any restrictions on the use of the facility unless Roanoke County chooses to lease the facility. If the County chooses to lease the facilities, the details of usage would be discussed as part of the leasing agreement. Traditionally, the only restriction on the County's use of the facilities will be those as may be imposed by applicable federal, state and local laws.

Operation | By applying best practices and advanced technologies to the design and construction of your facility, our team will endeavor to reduce the cost of operating and maintaining your facilities. As is customary, upon occupancy, Roanoke County will assume the responsibility for all expenses associated with maintenance services for the building and related operations and infrastructure furnishings and equipment, with typical warranties transferred to the County at the time designated in the Comprehensive Agreement. Roanoke County will also maintain responsibility for any facilities that remain in use for educational purposes during the project construction.

Miscellaneous | As noted previously in Section 3.2.2, collaboration with Roanoke County and/or its designees is essential to the success of this project. As we transition from Phase I to Phase II of the PPEA process, other basic assumptions include the ability to further collaborate to refine the scope of the work and clarify the legal and financial responsibilities of all parties as deemed appropriate by Roanoke County.

PROJECT CHARACTERISTICS

3.2.10. Provide information relative to phased or partial openings of the proposed Project prior to completion of the entire work.

As indicated in section 3.2.6 – Project Schedule (provided as part of our **Volume II, Redacted Proprietary Information** submission), our goal is to expedite the completion of the Bonsack Fire Station project so that Roanoke County can occupy the new facility as soon as possible. We anticipate the project will be delivered complete as indicated on the proposed project schedule, without the need for phased openings. We will work cooperatively with Roanoke County should you desire some form of partial or phased opening.

PROJECT CHARACTERISTICS

3.2.11. Described any architectural, building engineering, or other applicable standards that the proposed Project will meet. Define applicable quality standards to be adhered to for achieving the desired project outcome(s).

As Roanoke County's Bonsack Fire Station advocate, Branch | Balzer | RRMM will work collaboratively with all project stakeholders, including County building officials as well as end users, to ensure only the highest level of quality while complying with the following standards:

- City of Roanoke Zoning Ordinance
- Virginia Stormwater Management Program (VSMP)
- Virginia Erosion and Sediment Control Handbook
- 2018 Virginia Construction Code (VCC)
- 2018 Virginia Statewide Fire Prevention Code (VSFPC)
- 2018 Virginia Mechanical Code (VMC)
- 2018 Virginia Plumbing Code (VPC)
- 2017 National Electrical Code (NEC)
- 2010 ANSI A117.1 Accessibility Code
- NFPA 1710 – Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations and Special Operations to the Public by “Career” Fire Departments
- NFPA 1720 – Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations and Special Operations by “Volunteer” Fire Departments

PROJECT CHARACTERISTICS

3.2.12. List any other assumptions relied on for the Project to be successful.

Please reference **Volume II, Redacted Proprietary Information**, for our miscellaneous assumptions.

PROJECT CHARACTERISTICS

3.2.13. List and contingencies that must occur for the Project to be successful.

- Roanoke County agrees that there will be a financial contingency included for design/program modifications that may be necessary during construction.
- Roanoke County agrees that is reasonable and necessary that there will be a construction financial contingency included.



Hopewell Fire Station & Bureau HQ



TAB C | PROJECT FINANCING

- 3.3.1 Preliminary Estimate | Estimating Methodology ■
- 3.3.2 Development, Financing & Operation Plan
- 3.3.3 Plan Assumptions & Fees
- 3.3.4 Risk Factors
- 3.3.5 Government Resources

■ Section includes confidential information provided in **Volume II - Redacted Proprietary Information**

PROJECT FINANCING

3.3.1. Provide a preliminary estimate and estimating methodology of the cost of the work by phase, segment, or both.

Please refer to **Volume II, Redacted Proprietary Information**, for our estimating approach and conceptual cost.



PROJECT FINANCING

- 3.3.2. Submit a plan for the development, financing and operation of the Project showing the anticipated schedule on which funds will be required. Describe the anticipated costs of and proposed sources and uses for such funds. Include any supporting due diligence studies, analyses or reports.**

Not applicable. Branch | Balzer | RRMM is not proposing a financing option given the County's anticipated use of public funding.

PROJECT FINANCING

3.3.3. Include a list and discussion of assumptions underlying all major elements of the plan.

Not applicable. Branch | Balzer | RRMM is not proposing a financing option given the County's anticipated use of public funding.

PROJECT FINANCING

3.3.4. Identify the proposed risk factors and methods for dealing with these factors.

Not applicable with regard to project financing.

All construction projects bring inherent risks; however, with that stated, we firmly believe the PPEA procurement option is one of the best delivery methods available for design and construction to shift owner risk to the proposing/selected team. NOTE: under this procurement methodology (Design-Build), “if it is reasonably implied or inferred”, the PPEA team owns the financial responsibility, i.e. NO CHANGE ORDERS. The most successful way to mitigate risk is through the recognition of issues before they become challenges; to that end, we have assembled a team of professionals that are accomplished in Design-Build, knowledgeable on how to best “site” projects on properties to minimize associated land development costs, understand the nuances associated with jurisdictional approvals and processes, have a track record for developing extraordinary designs that result in outstanding building performance and who construct buildings that stand the test of time.

PROJECT FINANCING

- 3.3.5. Identify any local, state or federal resources that the proposer contemplates requesting for the Project. Describe the total commitment, if any, expected from governmental sources and the timing of any anticipated commitment.**

Not applicable. Branch | Balzer | RRMM is not proposing a financing option given the County's anticipated use of public funding.



TAB D | PROJECT BENEFIT & COMPATIBILITY

- 3.4.1 Project Beneficiaries
- 3.4.2 Anticipated Support / Opposition
- 3.4.3 Involvement & Communications Plan
- 3.4.4 Economic Development Alignment
- 3.4.5 Project Compatibility
- 3.4.6 SWaM Participation Plan

PROJECT BENEFIT & COMPATIBILITY

3.4.1. Identify community benefits, including the economic impact the Project will have on the County and local community in terms of amount of tax revenue to be generated for the Commonwealth and the County, the number jobs generated for Virginia residents and level of pay and fringe benefits of such jobs, the training opportunities for apprenticeships and other training programs generated by the Project and the number and value of subcontracts generated for Virginia subcontractors.

In the spirit of a true partnership with Roanoke County, our team is committed to ensure this project improves the overall quality of life in the County. A new, modern fire station addresses a known public safety need for Bonsack and adjacent communities. It ensures the County meets its public safety services responsibilities, providing County residents the peace of mind they expect and deserve. More so than any other perhaps, our team will utilize local and regional subcontractors and vendors whose investment in the community and its long-term well-being is well documented.

The direct beneficiaries include Roanoke County residents, employers and visitors who expect fire safety services and appropriate response times. It additionally benefits County fire safety providers who will have a 21st-century fire station will modern technologies, equipment and amenities.

This new fire station can also play a role in giving the County a competitive edge when attracting a larger proportion of regional working families that seek the best public services for their safety as well as their children's. It can also help retain families currently living in the County and encourage their children to remain in the area to start their own families.

The other direct beneficiaries are local and regional businesses. Contractors, subcontractors, tradesmen, manufacturers, suppliers, engineers, inspectors, SWaM firms and other professionals who would provide services for the design and construction of the new fire station will realize a boost from this project. Branch witnessed this first-hand on our recent \$107.5M Montgomery County Public Schools 3-School PPEA project (Auburn HS, Auburn MS & Blacksburg HS).

Specifically, there are numerous benefits from which Roanoke County and the Bonsack community, will benefit.

This project:

1. Will exponentially improve the quality of fire safety offered.
2. Will empirically demonstrate the County's commitment to safety for all of its residents.
3. Will instill community pride.
4. Will have a positive socioeconomic impact on the Roanoke County community (i.e. home values and businesses).
5. Will positively influence attraction and retainage of fire safety professionals/volunteers.
6. Will provide job opportunities for community residents during construction.
7. Will provide an opportunity to embrace/help small, minority and women-owned businesses.
8. Will offer fire safety personnel a 21st Century facility providing modern functionality and capabilities.
9. Will provide an adequate home for Tower 9.
10. Will reduce load of other nearby fire stations.
11. Will reduce operating expenses.

In the end, public safety is one of the cornerstones of a healthy and growing community. All residents, employers and visitors will benefit as a result of this project by virtue of being in a safer community.

PROJECT BENEFIT & COMPATIBILITY

3.4.2. Identify any anticipated public support or opposition, as well as any anticipated government support or opposition, for the Project;

With any highly visible community construction project there will be proponents (those more focused on the quality of public safety services than other minor inconveniences) and naysayers (those concerned about tax increases or other financial hardships a project can produce). As we qualified earlier, we serve as information providers and it is incumbent upon our team to create a design and fire safety facility that transcends the peripheral issues and gets most citizens excited about what this new fire station will mean for theirs and their children's well-being. The need for a new fire station in the Bonsack area should be widely acknowledged. Our role will be to help generate excitement through a design that when complete, fulfills the expectations of the majority.

We believe our approach to providing facilities tailor-made for the public safety services they will house and the communities they will serve, our plans to expedite the delivery of each, and the opportunities for off-setting or otherwise deferring associated costs will give Roanoke County and the community confidence in selecting a direction for moving forward. Throughout the design process and construction, and in coordination with Roanoke County, our team will continue to work with all affected groups and individuals to provide up-to-date information to maintain the level of support from and for the administration and community.

As the need for a new Bonsack fire station has grown, two issues should be considered. The need for construction of a new modern fire station to provide high quality services and greatly reduced response times and concern about the expenditure of County funds. What is needed is a dynamic way of reaching a middle ground between these two issues. We believe the PPEA process provides that opportunity. We will utilize the PPEA process to provide a fire station that will meet the current needs and future requirements of Roanoke County, at a project cost that will be compatible with the prudent expenditure of public funds.

Our PPEA team will be working and coordinating with many County agencies to obtain the required plan approvals and permits for the project. An integral part of this process is maintaining an open line of communication with Roanoke County. Communication is the key to addressing the two issues discussed above. The public and end users need to understand the public safety needs of the community are being met with a reasonable expense of funds. To this end, we anticipate significant support.

We do not foresee any federal support or opposition to the project being proposed herein.

PROJECT BENEFIT & COMPATIBILITY

3.4.3. Explain the strategy and plan that will be carried out to involve and inform the general public, business community, local governments, and governmental agencies in areas affected by the Project;

Designing and constructing a new fire station is a collaborative experience that can bring a community together, and our team is committed to maximizing this opportunity. The Branch | Balzer | RRMM design-build team will incorporate a variety of strategies to involve and inform the public during the design and construction process. We have frequently utilized these strategies with notable success.

We will invite representatives from Roanoke County, as well as anyone else Roanoke County desires, to join us in presenting the new fire station project publicly. These presentations will clearly convey the scope and intent of the project. Visuals and detailed explanations will inform the public with follow-up opportunities for discussion and engagement between the different stakeholders.

In addition to Roanoke County residents, we also encourage participation with local businesses. More than ever, communities and businesses are working together to help solve the shared needs of the community. Many of these local businesses often offer support for public safety services and we recognize the prospect of a mutually beneficial relationship and therefore work to foster that relationship early in the design process. These businesses can offer unique insight into the public safety needs that relate to their business.

When it comes to government agencies, we know the importance of including the right people at the right time. This ensures that the project follows proper procedures and doesn't get delayed as the project progresses. If the opposite occurs, delays and increased project costs are likely. Because of this, from the onset we typically include local building officials, planning and zoning departments, traffic and engineering agencies and other authorities with jurisdiction. We encourage participation by local first responders when considering the security and life safety features of the design.

Branch, Balzer and RRMM representatives will always make ourselves available when requested at Board of Supervisors meetings, departmental meetings and any special meeting called to discuss this exciting opportunity and answer any questions about the PPEA process or anything related to it, including schedule, cost, financing, program, and/or design. We will develop a presentation for County and public safety staff to use when talking to local business groups or other stakeholders. Our team has provided this form of PPEA project advocacy for our clients for almost 20 years now and we are well versed in promoting the benefits of PPEA delivery and addressing any potential concern.

We will work closely with Roanoke County to plan groundbreaking ceremonies, foundation laying ceremonies, and ribbon-cutting ceremonies, as Roanoke County deems appropriate, to mark significant milestones of the project. These events will allow the community to celebrate the bright future of Roanoke County and maintain a level of excitement that will carry the project through to a successful completion.

Throughout the duration of the project, the Branch | Balzer | RRMM team will not only keep the local elected officials, such as members of the Board of Supervisors as well as the Fire Chief informed of the project's progress, but we will also work with County officials to keep the Roanoke County community informed through community meetings. Our team will be available to deliver presentations to the community or public officials at any time.

PROJECT BENEFIT & COMPATIBILITY

3.4.4. Describe the compatibility of the Project with local, regional, and state economic development efforts.

This proposed new Bonsack Fire Station will improve the quality of public safety services in the Bonsack community and offer the community peace of mind with regard to their safety. Improved public safety services can play a role when attracting new businesses and keeping existing businesses. While there are many variables that employers and families use to consider different living areas, the state of the local public safety capabilities can typically be considered one of the most important. Having desirable public services with appropriate, respectable facilities is a driving force when trying to attract working families, which are essential for businesses and communities as a whole to be successful.

While improving the fire safety services in Roanoke County is not necessarily considered an economic development initiative, this project will have a positive economic impact. There will be hundreds of jobs created for the construction phase. Furthermore, workers associated with the project who do not live in the region will support local hotels, restaurants and other stores.

PROJECT BENEFIT & COMPATIBILITY

3.4.5. Describe the compatibility with the County's comprehensive plan, zoning ordinances, local infrastructure development plans, capital improvements budget and annual budget.

The Branch | Balzer | RRMM design-build team believes the project described herein is complementary to the goals of Roanoke County and is aligned with the majority, be they public safety officials, members of the Board of Supervisors or the end users themselves. This fire station addresses the critical need for replacing services previously provided the Read Mountain station. Furthermore, the very fact the Bonsack Fire Station project is a solicited PPEA, overwhelmingly suggests Roanoke County has already determined it to be compatible with all plans and budgets.

We have detailed throughout this proposal the positive benefits of this PPEA solicitation. While it does not answer all questions or serve unanimous needs, it is a significant step in the right direction. In the end, it is not a question of whether a new Bonsack Fire Station is compatible with or inclusive of comprehensive planning; it is more a question of whether Roanoke County's comprehensive plan can sustain or be successful without this new fire station given the end of the Read Mountain Station's services to Roanoke County.

Consistent with a robust and viable comprehensive plan, we have proposed herein solutions that address the need for a modern fire station that will deliver on Roanoke County's inherent public safety responsibilities to its residents and employers. Further, our plan proposes to deliver the most cost-effective solutions for the new station that include sustainable features to reduce long-term operating costs.

Consistent with responsible long-range plans, our proposal calls for an efficient, cost-effective facility that will not become a burden on the community over time. On the contrary, we believe our design will lessen the burden on the operating budget through efficiencies, allowing more monies to flow to new public safety services, personnel salaries, or whatever Roanoke County deems appropriate. We view this project as a true partnership opportunity with Roanoke County and the entire community. This proposal embodies the ideas in combining the public and private sectors to create an opportunity to better serve the citizens. Our long-standing commitment to enhancing the lives of those in the communities we serve is evident in this proposal and we are eager to begin work on a project that will help the citizens and businesses of Roanoke County remain safe and prosperous.

PROJECT BENEFIT & COMPATIBILITY

3.4.6. Provide a statement setting forth participation efforts that are intended to be undertaken in connection with this Project regarding the following types of businesses:

- (i) minority-owned businesses;
- (ii) women-owned businesses;
- (iii) small businesses.

Branch is committed to maximizing participation of Small, Woman-Owned or Minority-Owned trade contractors on our projects and we regularly exceed SWaM participation goals. We utilize a number of internal processes, improved over many years, to help successfully meet client goals. Our means and methods include:

- A Branch database of SWaM registered subcontractors
- Commonwealth of Virginia’s “Minority Contractor’s Registry”
- Blue Book, “Minority Contractors” section
- Small Business Administration’s “National Directory of Women-Owned Construction Firms”
- City of Richmond Office of Minority Business Development’s list of minority registered firms

In addition to the above, Branch has developed an outreach/partnering program where we will, under certain conditions, extend special terms, including:

- Waive bonding.
- Accelerate payment(s).
- Initiate two-party checks where credit has not been established, or purchase materials directly.
- Compel our large subcontract partners to contract prescribed percentages from SWaM suppliers or sub-tier subcontractors.
- Place print ads in local and larger metropolitan areas to announce opportunities for minority, women-owned and small business enterprises.
- Send electronic invitations to Branch’s database of SWaM contractors.
- Conduct SWaM “open house” meetings to describe project requirements and encourage participation.

Most of Branch’s projects that promote SWaM participation (with or without goal requirements) involve our substantial higher education program. Branch has partnered with many of the Commonwealth’s most prestigious universities in the past to maximize SWaM participation on our projects. The following graphic illustrates our recent success:

PAST PROJECT SUCCESS		
VA Tech Torgersen Hall Bridge Restoration	Blacksburg, VA	86%
JMU Madison Hall Sky Bridge	Harrisonburg, VA	72%
JMU Madison Hall Sky Bridge	Lexington, VA	42%
VMI Military & Leadership Field Training Grounds	Lexington, VA	45%
VA Tech West End Market Renovation	Blacksburg, VA	52%
VA Tech Infectious Disease Research Facility (IDRF)	Blacksburg, VA	42%
Radford University Fine Arts	Radford, VA	53%



Williamson Road Fire Station



TAB E | ADDITIONAL INFORMATION

- 3.5.1 Project Understanding & Approach
- 3.5.2 Project Management Approach ■

■ Section includes confidential information provided in **Volume II - Redacted Proprietary Information**

ADDITIONAL INFORMATION

3.5.1. Project Understanding and Approach

3.5.1.1. Describe your understanding of the Project.

The Branch | Balzer | RRMM team has diligently prepared for the release of this important Roanoke County project. We understand the need to replace the fire safety services in the Bonsack community that were previously provided by the nearby, neighboring Read Mountain station. The new fire station (Public Service Center #12) will be segregated into different uses, including a 3-bay apparatus area, administration/operations, kitchen, dining, fitness, housing, locker room, showers/laundry area, etc. The building will accommodate current and projected apparatus and staff requirements as well as multiple vehicles, including the largest vehicle in the fleet (Tower 9).

We understand the need to expedite the process so the county can cover fire safety services currently provided by the Read Mountain Station. Our team is poised to commence preconstruction services immediately and we will identify all options for cost savings as well as early release packages that will allow for the most expedient delivery.

Branch | Balzer | RRMM understand that advanced, continual communications and collaboration will be critical to the success of this project. It is our responsibility to serve as both an advocate for the Bonsack Fire Station project as well as a steward of Roanoke County's resources. Our team is prepared to assume this responsibility on the Bonsack Fire Station as we have on our other PPEA and design-build projects.

3.5.1.2. Identify and discuss potential problems during design and construction.

At this early stage of evaluation, our team has identified several items/challenges we would want to address at the commencement of design and preconstruction services:

- 1. Storm Water:** Gaining a clear understanding of the storm water detention system.
- 2. Site Logistics:** Eliminating disruption to the Mexico Way road as this turns into a private drive that will have to remain open throughout the entire construction process.
- 3. Site Logistics:** Proximity of the building location to the property line on the west side of the project (near the Airgas property line and fence).
- 4. Subterranean Conditions:** Rock that was discovered in the Geotechnical report

3.5.1.3. Identify and discuss methods to mitigate those problems.

The following address the challenges discussed in the previous section in the precise order presented:

- 1. Storm Water:** Our team will meticulously evaluate which type of system will be best to install based on material availabilities as well as ease of construction and coordination.
- 2. Site Logistics:** Our professionals will meet with Parkway Wesleyan Church to understand their schedule and usage times of the driveway and make sure that any utility crossings or road work are not performed during those times, and we will be diligent in the use of signage to safely direct traffic. We will also communicate with our trade partners during the pricing/bidding process so they understand the coordination and potential temporary measures that will need to be included in pricing to ensure that the road is kept open at all times.
- 3. Site Logistics:** This sensitivity will be mitigated by sequencing the work properly to avoid obstructing ourselves from efficiently completing that side of the building. Also, we will communicate with the trades

ADDITIONAL INFORMATION

regarding any needs for special, or large lifts, that they may need for the project and will do this during preconstruction so there are no surprises or costs for specialty equipment later.

4. Subterranean Conditions: Known rock is most easily mitigated by communication with site and utility trades during the preconstruction phase to ensure they have accounted for the rock in their pricing. Our team of design and construction professionals will also either raise grade to lessen cut areas (provided you don't have to import dirt to accomplish this) or potentially orient or arrange the building to minimize the rock that is encountered.

3.5.1.4. Describe the work you anticipate self-performing and the work you anticipate being performed by subcontractors.

Branch proposes utilizing our sister company, Hopkins | Lacy, in a typical MEP design-build capacity for mechanical, electrical and plumbing design and construction services. Hopkins | Lacy offer decades of subject matter expertise with the critical MEP systems that drive this facility. In addition to the unparalleled expertise Hopkins | Lacy brings to the project, our team will be provided with an advantageous control over quality, schedule and cost by "self-performing" this work. This is particularly crucial and timely given the unprecedented volatility in the construction market at this time. The more we can control within our organization during these unique times, the better the outcome with regard to quality, schedule and cost.

ADDITIONAL INFORMATION

3.5.2. Approach to Project Management

3.5.2.1. Describe your approach to Change Orders.

3.5.2.2. Describe your planning, scheduling, estimating, and construction management tools.

3.5.2.3. Describe your quality control plan.

3.5.2.4. Describe your safety management.

3.5.2.5. Describe your current workload and ability to proceed promptly.

Please reference **Volume II, Redacted Proprietary Information**, for our Project Management Approach.



Reston Fire Station #25



ADDENDA ACKNOWLEDGMENT



ROANOKE COUNTY

Purchasing Division

5204 Bernard Drive, Suite 300-F, P.O. Box 29800

Roanoke, Virginia 24018-0798

TEL: (540) 772-2061 FAX: (540) 772-2074

September 1, 2022

ADDENDUM NO. 1 TO ALL OFFERRORS:

Reference – RFP # 2023-020

Description: 2023-020 - SOLICITED PPEA PROPOSALS FOR CONSTRUCTION OF BONSACK FIRE STATION

Issue Date: August 1, 2022

Proposal Due: September 15, 2022

Please see the below responses to questions received:

- 1) **The following project is included in the Roanoke County's FY 2023-2032 CIP. Please advise if this RFP for design for the Construction of Bonsack Fire Station is same project.**
 - **New Bonsack/460 Fire Station - Roanoke County**
 - **The Bonsack/460 Fire Station project is proposed to receive \$6.825 million in funding in FY 2023.**
 - **The new station represents a new and enhanced service as the twelfth station reducing reliance on other locality responses for emergencies.**
 - **Proposed funding is based on the construction estimate of a three-bay facility.**

a. These are the same project.

- 2) **Regarding 1.9.3, "shortlisted proposers will be invited to submit Detailed Phase proposals." May we see a list of deliverables for this phase?**

The following information is taken directly from the Roanoke County Board of Supervisors adopted Board records of January 12, 2021, for Public-Private Education Facilities and Infrastructure Act of 2002 County of Roanoke Guidelines. The County may modify the requirements below before proceeding with Detailed Stage, Part 2.

A. Format for Submissions at Detailed Stage (Part 2)

If the County decides to proceed to the detailed phase of review with one or more proposals, the following information, where applicable, shall

be provided by the private entity unless a waiver of the requirement or requirements is agreed to by the County:

- 1. A topographical map (1:2,000 or other appropriate scale) depicting the location of the proposed qualifying project;*
- 2. Conceptual site plan indicating proposed location and configuration of the project on the proposed site;*
- 3. Conceptual (single line) plans and elevations depicting the general scope, appearance and configuration of the proposed project;*
- 4. Detailed description of the proposed participation, use and financial involvement of the County in the project;*
- 5. A list of public utility facilities, if any, that will be crossed by the qualifying project and a statement of the plans of the proposer to accommodate such crossings;*
- 6. A statement and strategy setting out the plans for securing all necessary property;*
- 7. A detailed listing of all firms that will provide specific design, construction and completion guarantees and warranties, and a brief description of such guarantees and warranties;*
- 8. A total life-cycle cost specifying methodology and assumptions of the project or projects and the proposed project start date. Include anticipated commitment of all parties; equity, debt, and other financing mechanisms; and a schedule of project revenues and project costs. The life-cycle cost analysis should include, but not be limited to, a detailed analysis of the projected return, rate of return, or both, expected useful life of facility and estimated annual operating expenses;*
- 9. A detailed discussion of assumptions about user fees or rates, and usage of the projects;*

10. *Identification of any known government support or opposition, or general public support or opposition for the project. Government or public support should be demonstrated through resolution of official bodies, minutes of meetings, letters, or other official communications;*
11. *Demonstration of consistency with the County's comprehensive or infrastructure development plans or indication of the steps required for acceptance into such plans;*
12. *Explanation of how the proposed project would impact local development plans of each affected local jurisdiction;*
13. *Description of an ongoing performance evaluation system or database to track key performance criteria, including but not limited to, schedule, cash management, quality, worker safety, change orders, and legal compliance;*
14. *Identification of any known conflicts of interest or other disabilities that may impact the County's consideration of the proposal, including the identification of any persons known to the proposer who would be obligated to disqualify themselves from participation in any transaction arising from or in connection to the project pursuant to The Virginia State and Local Government Conflict of Interest Act, Chapter 31 (§ 2.2-3100 et seq.) of Title 2.2;*
15. *Detailed analysis of the financial feasibility of the proposed project, including its impact on similar facilities operated or planned by the County. Include a detailed description of any financing plan for the project, a comparison of that plan with financing alternatives available to the County, and all underlying data supporting any conclusions reached in the analysis of the selection by the private entity of the financing plan proposed for the project;*
16. *Additional material and information as the County may reasonably request.*

3) Regarding 3.2.1, “Provide a description of the Project, including the conceptual design.” How should our response differ from our project

understanding required in 3.5.1.1? Is a narrative sufficient or are you expecting additional building drawings or elevations?

- a. A narrative may or may not suffice. You indicate in question #4 that you may offer critiques of conceptual materials. If you propose changes to building or site materials, drawings showing the proposed changes may be helpful. Responses to the RFP are at the discretion of the Proposer.*

4) Would you like critiques of your current conceptual materials?

- a. The Proposer may offer critiques of the current conceptual materials; however, proposed material critiques must comply with the City Planning Commission and City Council zoning approvals.*

5) Regarding 3.1.3, outlining the team. We are not including a fire station consultant, but we may utilize one later for peer review purposes. To keep you informed, may we mention them in that capacity without officially having them on the team?

- a. If included as part of the PPEA team, provide qualifications, resume, and experience with fire station projects of the individual who will provide professional consulting services. A copy of the individual's current professional registrations shall be provided.*

6) I see other solicitations on the County website geared towards paving, transportation, landscape, etc. Should we roll those services into our proposal or are those consultants answering separately?

- a. All services required to provide turn-key design and construction services shall be included in the Proposers response to the RFP.*

7) What financing requirements are needed by the proposer, if any?

- a. Since the Board of Supervisors has planned funding for the project, Proposers should mention that project funding is provided by the County.*

Note: A signed acknowledgment of this addendum must be received at the location indicated on the original solicitation either prior to the proposal due date or attached to your proposal. Signature on this addendum does not substitute for your signature on the original proposal/bid document. The original proposal/bid document must be signed.

Thank you,



W.L. Heath Honaker

Phone: (540) 283-8146

HHonaker@roanokecountyva.gov

******Signature page to follow ******

2023-020 - SOLICITED PPEA PROPOSALS FOR CONSTRUCTION OF

Addendum # 1 Signature Page



Sign Name:

Catherine Unerwood

Print Name:

Name of Firm: **Branch Builds, Inc.**

Date: **September 14, 2022**



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