

Curriculum Vitae

Gilbert S. Brindley, P.E.

Address

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Telephone

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Skills

Construction Management
Construction Inspection
Civil Engineering
Design/Build
Federal Contracting
Acquisition Management
Business
Development/Marketing
Client Maintenance
Safety Management
Claims Management
Leadership
Mentoring/Coaching
Forensic Investigation
Recruiting/Retention
Construction Estimating
Constructability Reviews
Construction Scheduling
Profit/Loss Responsibility
Joint Venture Management
Board Management
Risk Management
Presentations/Public
Speaking

Licenses/Certificates

Professional Engineer, New York, License #082234, exp. 5/31/2026
Professional Engineer, Virginia, License #19955, exp. 7/31/2025
Professional Engineer, Pennsylvania, License #070676, exp. 09/30/2025
Professional Engineer, Ohio, License #66726, exp. 12/31/2025
OSHA 30-Hour Construction, 06/2022

Education

Master in Business Administration, Case Western Reserve University
Bachelor of Science, United States Military Academy

Affiliations

Society of American Military Engineers, Construction Community of Interest
Utility and Transportation Contractors Association
New Jersey Alliance for Action
TSP2 AASHTO National Bridge Preservation Partnership
Ultra-High performance Concrete Initiative (UHPCi)

Court Qualifications

Qualified Expert Engineering Witness in Nassau County District Court for commercial insurance claim involving damages due to construction adjacent to insured's building.

Publications/Presentations

Innovated UHPC Installations and Thin Lift UHPC Paving for ABC, Conference Paper, International Accelerated Bridge Construction Conference, December 2019
UHPC Overlay Projects in the United States, Conference Paper, 5th International UHPC Symposium, March 2020
Bridge Deck Rehabilitation Using Precast RC Panels and Cast-in-Place UHPFRC Top Layer and Joint Filling, Conference Paper, 2nd International Symposium on UHPC, June 2019
Bridge Deck Preservation with UHPC Overlays, Presentation, Transportation Research Board Annual Meeting, February 2022
ABC Bridge Replacement with Ultra High Performance Concrete, Presentation, Infrastructure Advancement Institute Summit (Texas), September 2021
Bridge Preservation with Ultra High Performance Concrete, Presentation, New Jersey DOT, April 2021
UHPC Overlays: SR-1 Little Heaven, ACEC Approved Presentation 1 PDH, 2018 – 2019

Professional Experience

Mr. Brindley has 38 years of engineering experience in the areas of civil engineering and construction management. As a senior construction professional and licensed engineer, he combines his engineering knowledge and construction know-how to manage construction bridge and infrastructure projects. His experience with residential, commercial, municipal and infrastructure projects gives him a complete view of projects from engineering through construction and operations.

Posillico Civil Inc., Director

January 2018 – present

- Senior manager responsible for new business initiatives within the Posillico organization. In this role, Mr. Brindley is responsible for operations and business development for start-up specialty concrete business focused on introducing Ultra High Performance Concrete for bridge rehabilitation to the United States transportation market. Mr. Brindley performed evaluation of bridge structures for repair and rehabilitation technique using Ultra High Performance Concrete. As an early adopter of UHPC technology, he developed technical presentations on UHPC to state DOT engineers, design engineers, and construction inspection personnel. As Division Manager, Mr. Brindley was responsible for evaluation of prospective projects, preparation of bid, management and staffing of project, execution of construction contract.

- Senior manager for Federal infrastructure projects including two border wall projects in South Texas. In this role, Mr. Brindley led the technical portion of the design build proposal. Upon award, Mr. Brindley was the lead manager to mobilize for the project, hire staff, and establish vendor/subcontract agreements. As Deputy Program Manager, he was responsible for Quality Assurance/Quality Control program for inspection and material testing for the project.

H2M architects + engineers, Director

July 2012 – January 2018

- Conduct cause and origin inspections for commercial and residential insurance claims. Prepare engineering opinion reports and estimates for repair. Perform supervisory review of cause and origin engineering reports, peer reviews and estimate reviews for insurance claims.
- Serve as project director and project manager for architectural, structural, civil, environmental engineering projects based out of the NYC Region. Serve as senior cause and origin engineer for insurance clients. Developed estimates for repair. Reviewed inspection reports and estimate from other staff. Perform expert witness testimony on trial cases.
- As Regional Director and Senior Engineer for the NYC office, responsible for overall operational management of office and project work to include project management, quality control, office profit/loss, business development, client maintenance and account management, marketing efforts, community and industry relations, and coordination with other offices, market sectors and divisions within H2M architects + engineers.

Benjamin Brindley & Sons and Brindley Engineering Services, President

2009 – 2012

- Provide engineering and contracting expertise for loss investigations, cost estimating, and appraisals for both residential and commercial losses. Loss experience includes fire, water, wind/storm, freeze up, roof damage, vehicle impacts, fallen trees, chimneys and retaining walls, sewer back-ups, sink holes and construction defects. Property types have included residential homes and garages, swimming pools, decks and patios, commercial buildings and parking garages, manufacturing facilities, apartment and condominiums, golf courses and retail strip centers. Value of losses vary from several thousand to several million dollars.

Massaro Corporation, Project Executive/Director of Strategic Planning

2008 - 2009

- Served as project executive for \$100 million excavation and concrete foundation program for steel fabrication plant. Program was in bid/development phase and required preparation of conceptual estimates, schedules, logistics plans and sequence of construction.
- Responsible for development and implementation of corporate strategic plan for \$200 million general construction company. Worked integrally with sales, estimating and operations to coordinate project life cycle and "hand-off" of client and key information at transitions. Developed quality and internal control programs to improve efficiency and standardization of procedures across the company. Developed in-house training program for new hires and project engineer/estimators consisting of 16 module training program.
- Supported marketing and business development efforts with strategic planning, implementation of standard sales process, integration of data from project management and accounting system to Customer Relationship Management system.

Professional Service Industries, Executive Vice President/Project Principal

2006 - 2008

- Senior manager for multi-state regional business group with 4 offices, 150 personnel and revenues of \$15 million. Responsible for delivery of engineering services in geotechnical, environmental, and construction services for multiple offices in Pennsylvania and West Virginia. Direct responsibility for marketing and business development for region and offices. This responsibility included development of sales pipeline, management of proposal backlog, expansion of client base, development of critical proposals, presentation development and team training, and training of operations staff in marketing and business development skills.
- Served as project principal for multiple construction projects, responsible for review of construction inspection and materials testing reports, resolution of construction deficiencies and quality assurance issues. Interfaced with general contractors, design engineers, subcontractors, and other project personnel to resolve issues and keep projects moving forward. Served as owner's representative for resolution of field issues and change order requests from contractors on issues related to geotechnical engineering, environmental services and construction materials.

Dick Corporation, Vice President/General Manager

1996 - 2006

- General Manager for Construction Management and Environmental Services Group. Responsible for management of 135-person business unit with multiple offices generating \$24 million annually in revenue. Responsible for delivery of agency construction management services for over \$250 million annually in construction of roadways, bridges, and buildings for public and private clients. Served as corporate wide practice leader for agency construction management services and as project principal on strategic projects to ensure services meet client expectations.

- Responsible for acquisition and integration of Environmental Services Firm in Jacksonville, FL which performed petroleum remediation projects in Florida and South Carolina under Florida Department of Environmental Protection/South Carolina Department of Health and Environmental Conservation clean-up programs. Following acquisition and integration, responsible for operations for remediation projects from initial investigation through remedial action plan and installation/monitoring in lump sum bid, unit rate and performance-based contract methods. Projects ranged in size from \$100,000 to \$500,000 with an annual volume of \$3 million.

Toll Road Investors Partnership, Project Manager **1993 - 1996**

- Project manager for construction of the Eastern section of the Dulles Greenway, the first privately financed toll road in Virginia. This section joined existing Dulles Toll Road and Route 28 and consisted of \$40 million in construction with 3 miles of roadway, 13 bridges, 8 high-speed ramps, mainline toll facilities and administration building.
- Responsible for all aspects of segment construction to include construction management, contract administration, quality assurance, project scheduling, cost control, material inspection, payment verification, design change resolution, value engineering proposals, environmental and regulatory compliance, maintenance of traffic, traveling public and work site safety.

The Harris Group, Project Engineer **1991 - 1993**

- Served as program manager for Environmental Assessments Section. Responsible for business development, preparation of proposals, conduct of assessments, client interface, profitability, and supervision of staff of three engineers. Responsible for providing program support to Strategic Defense Initiative Environmental Coordinator. Duties included ensuring NEPA compliance on R&D programs and projects, coordination with numerous federal agencies and departments, and preparation of engineering studies and environmental assessments.

The Greeby Companies, Project Manager **1991**

- Coordinated design-build of 170 tenant spaces in a 650,000 SF regional shopping mall. Duties included the review and approval of construction drawings for design control and compliance with base building Mechanical Electrical Plumbing. Served as owner's liaison with local government officials on code and permit issues.

Froehling & Robertson, Construction Materials Testing Manager **1990 - 1991**

- Managed all aspects of 30-person department to include administration, technical supervision, project management, business development, profitability, and training. Responsible for performing take-off and proposal preparation for soils, asphalt, concrete, and other materials testing. Conducted condition surveys on existing facilities and material tests on structural components, retaining walls, drainage structures, and bridges.

U.S. Army Corps of Engineers, Major **1985 – 2000**

- Supervised diversified construction projects to include bridges, roads, drainage structures, residential and commercial buildings, and weapons range facilities.
- Served in Real Estate Division of Army Material Command inventorying and managing army real property nationwide.

Selected Construction Management/Construction Inspection Experience:

- USACE Border Wall, Rio Grande Valley, TX – Deputy program manager for two Federal Government design-build border wall projects representing over \$500 Million and 40-miles of 30' steel bollard border wall infrastructure. Served as lead for quality control/quality assurance and overall design engineering and construction operations. During the two years of active construction, Mr. Brindley oversaw quality control, managing the inspection and materials testing staff, reviewing daily inspection reports, preparing RFI's and correspondence, and resolving non-conformance reports.
- Ohio Department of Transportation District 8 Inspection – Project Manager for \$1.5 million construction inspection contract for transportation projects throughout Dayton and surrounding counties.
- Ohio Department of Transportation Main Street Bridge, Columbus, OH – Senior Manager for agency construction management and inspection services for \$35 million inclined arch bridge over Youghiogheny River in downtown Columbus.
- Ohio Turnpike Third Lane Widening Program – Construction Manager/Senior Owner's Representative for \$800 million program widening 160 miles of limited access divided highway to three lanes in each direction, and included roadway, bridges, and toll plazas. As Agency Construction Manager, responsible for all CM/CI activities direct supervision of up to 10 Resident Engineers and staff of 50 inspectors and testing firms during 10-year program,

performed Quality Assurance oversight of resident engineer/inspectors work to ensure compliance with plans/specifications.

- Ohio Turnpike Service Plaza Replacement Program – Construction Manager/Senior Owner’s Representative for replacement of six service plaza complexes along the turnpike. Construction included demolition and environmental remediation, construction of services plaza, fueling station, wastewater treatment plants, parking, and ingress/egress roadways during 5 -year program.
- Interstate I-77, Akron Ohio – Served as construction representative for \$100 million widening and rebuilding of sections of Interstate I-77 in Akron. Coordinated and performed constructability plan review, bidding documents, Request for Information responses and supervised construction inspection/materials testing during 2-year project.
- Dulles Greenway, Dulles, VA – Owner’s Project Manager for construction of one third of the Dulles Greenway, the first privately financed toll road constructed under the Virginia Highway Corporation Act of 1988. This section of the privately funded toll road represents \$41 million in construction and includes 3 miles of roadway, 13 bridges, and 8 high-speed ramps. Responsible for all aspects of segment construction to include construction management, contract administration, quality assurance, project scheduling, cost control, material inspection, payment verification, design change resolution, value engineering proposals, environmental and regulatory compliance, maintenance of traffic, traveling public and work site safety. Supervised Resident Engineer and inspection staff verifying quality and compliance with plans/specifications during 3-year project.

Selected Design Engineering Project Experience:

- Trash Hoist (Vertical Reciprocating Conveyor); Brooklyn, NY; \$4 Mil Design, Aug 2017; Project Manager: Replacement project of New York City Housing Authority - Project manager responsible for assessment, design development, construction documents, bid preparation and construction administration for 22 trash hoist replacement projects. Serve as primary interface with client.
- Structural Engineering Projects; New York, NY; \$250 K Design Fee, Jul 2016; Project Manager: Serve as client interface and project manager for interior/exterior structural engineering assignments including 3-story feature lobby feature wall for L’Oréal’s NYC Headquarters, shear wall design and detailing for 350 Madison, facade support wall design on 111 East 59th Street. Project manager for various interior fit out structural support projects including new Boston Consulting in Hudson Yards, Citibank Greenwich Redevelopment in Greenwich Village. Structural support projects have included concrete reinforcing details, masonry details, isolation floor slab reinforcement, accordion fire door support, GRG wall panel support.
- Loss Investigation Services for Utica National Insurance, The Hartford, Peerless Insurance, Liberty Mutual Insurance, New York Central Mutual Insurance, Quincy Mutual Insurance, Chubb, Nationwide, Pure and Traveler’s Insurance. Performed various investigations for residential and commercial losses involving roof, structural and water damage, trip/fall investigations, origin/cause investigation for fire loss, and construction defect investigation. Also provide expert witness testimony. Performed commercial and residential design services, permit expediting, and general contracting services following insurance loss investigation. Provided engineering analysis and design with stamped plans for permit submission. Managed construction and restoration services for insurance claims to return damaged property to pre-loss condition.
- Commercial and residential design services, permit expediting, and general contracting services following insurance loss investigations. Engineering analysis and design for permit submission. Manage construction and restoration services for insurance claims to return damaged property to pre-loss condition.
- Dominion Virginia City Hybrid Energy Power Plant, St. Paul, VA – Quality control services for concrete, soils, and foundations. Overall project was a four year, \$1.8 billion 585-mw clean coal power station. Supervised materials testing staff and reviewed test result reports for compliance with plans and specifications.
- Phase I Environmental Site Assessments – Project Manager for projects involving business development, preparation of proposals, conduct of assessments, client interface, profitability, and supervision of staff of three engineers.
- Strategic Defense Initiative Space Test Facility – Task Manager for site selection study for major federal research and development facility in support of the national space-based ballistic missile defense system. Study included review of over 100,000 federal properties, site narrowing, site evaluation visits, and preparation of 200 page final report recommending facility location.

- Strategic Defense Initiative Environmental Support - Program support ensuring NEPA compliance on R&D programs and projects, coordination with numerous federal agencies and departments, and preparation of engineering studies and environmental assessments.
- Menlo Park Mall, Edison, NJ – Owner’s Representative/Tenant Coordinator for design/build of 170 tenant spaces in a 650,000 square foot regional shopping mall. Review and approval of construction design drawings and compliance with base building MEP.

Selected Agency Construction Management Experience:

- Allegheny County Homestead High Level Bridge – Project Principal/Senior Manager for agency construction management team for \$15 million rehabilitation of historic high-level bridge over the Monongahela River.
- University of Pittsburgh, Clapp, Langley Hall In-Fill Project – Senior Manager for agency construction management services of \$15 million renovation and in-fill project for classroom and laboratory building.
- Universal Electric Headquarters Building, Hendersonville, PA – Project Principal/Senior Manager for agency construction management of \$3 million headquarters for electrical distribution manufacturing facility.
- Allegheny County Airport Authority, South Matrix In-Line Baggage Handling System/Explosive Ordinance Detection System – Senior Manager overseeing CM/CI (construction management/construction inspection) services for \$8 million project directed by Department of Homeland Security. Project included extension of the landside terminal and design-build construction of in line baggage handling system.
- Washington County Jail Reuse Project, Washington, PA – Senior Manager for agency construction management \$12 million renovation and reconstruction of abandoned jail in downtown area. The historic jail was converted into family courts building by constructing mezzanine floors inside jail external structure.
- Bobby Rahal Mercedes Dealership, Lawrenceville, PA – Senior Manager for agency construction management of renovation and reuse of abandoned property that was formerly Packard Automobile dealership built in the 1920’s.
- Lorain County Jail Expansion Project – Senior Manager for agency construction management services for \$8 million addition to the Lorain County Jail.

Selected General Contractor Project Experience:

- DDOT 10 Bridges – Senior manager for 6-month, \$2 million bridge maintenance contract for District of Columbia DOT installing UHPC overlays on public bridges. Responsible for development of specification for DDOT, training of DOT and inspection staff and educating project participants on the nuances of UHPC.
- Delaware Memorial Bridge UHPC Contract 22-02 – Senior manager and client interface for \$72 Million, 2-year renovation of the Northbound suspension bridge. The project completed a 2” depth overlay of the 2 ½ mile long, 51-foot-wide structure using hydrodemolition for removal and 5000 cubic yards of UHPC. This is the largest UHPC project in the United States as of 2023.
- Rutgers University Beast Overlays – Senior manager for installation of two side-by-side overlays on test bridge in Rutgers University Bridge Evaluation and Acceleration Structures Testing Lab (The Beast). Installation included both UHPC and a LMC (Latex Modified Concrete) overlay.
- TXDOT Hemphill County Bridge Replacements – Senior manager for installation of shear keys in precast bridge elements for 5 accelerated bridge replacement projects in the Texas Panhandle.
- USACE Border Wall, Rio Grande Valley, TX – Deputy program manager for two Federal Government design-build border wall projects representing over \$500 Million and 40-miles of 30’ steel bollard border wall infrastructure. Served as lead for quality control/quality assurance and overall design engineering and construction operations. This multi-year project was never completed due to the Federal Government termination of the contract.
- Delaware Memorial Bridge Pilot UHPC Project, New Castle, DE – Senior manager for \$3 Million pilot overlay project on suspension bridge using UHPC.
- Commodore Barry Bridge UHPC Pilot Project, Philadelphia, PA – Senior manager for \$3.5 Million rehabilitation of Rt 322 and pilot overlay on Commodore Barry Bridge using UHPC.
- NJDOT UHPC Pilot Project North, NJ – Senior manager for \$2 Million 3-bridge overlay project using UHPC to determine viability of UHPC for future rehabilitation projects.

- SR-1 Little Heaven Bridges, Dover, DE – Project manager for \$800,000 UHPC bridge overlay project. Performed in less-than-ideal weather conditions, UHPC Solutions operating as Posillico installed a variable depth UHPC overlay in February 2019. Completed in a two-week period, the overlay corrected a rebar clearance issue in the recently placed bridge decks.
- Rt 322 over Raccoon Creek, Mullica Hill, NJ – Project manager for UHPC joint fill project for accelerated bridge construction project. Mr. Brindley handled everything from bidding, contract negotiation and signing, submittals, project plans, safety, project execution and close out. The short time frame required a fast-moving pace to get the joint fill in and the bridge built over a short closure period.
- Rt 206 over Stony Brook, Princeton, NJ – Project manager for UHPC joint fill on pre-cast culvert replacement project. During a two-week full road closure, the prime contractor, Marbro performed demolition and replacement of the Rt 206 bridge. Mr. Brindley served as the lead for the subcontracted work of mixing, placing, and finishing UHPC joint fill for the project. This work was done as part of Posillico's UHPC Solutions joint venture with Walo USA.
- Floyd River Bridge, Sheldon, Iowa – Project engineer for ultra-high performance concrete bridge deck overlay in Northwest Iowa. This was the 4th UHPC overlay to be placed on a bridge deck in the United States. As part of the Walo USA team, Mr. Brindley was part of the supervision team for this \$450,000 subcontract work for Kramer Construction.
- Florida Department of Environmental Protection/South Carolina Department of Health and Environmental Conservation - Senior Manager for petroleum remediation projects under FDEP and SCDHEC clean-up programs. In this role, managed multiple clean up projects working with facility owners to understand the state clean up programs, how to access grants and funding, and overall management of remediation projects.
- Sacramento Municipal Utility District, Consumes Gas Fired Power Plant - Senior Manager for execution of \$10 million electrical and controls contract to complete power plant after termination of general contractor.
- Tinker Air Force Base, Environmental Support Activities - Senior Manager supporting numerous base support activities including operation of hazardous chemical storage facility, wastewater treatment plants and landfill maintenance.