



WHO WE ARE

PAST PERFORMANCE

WDP & Associates Consulting Engineers, Inc. is a consulting engineering firm founded in 1995 specializing in:

- Building Enclosure Commissioning (BECx)
- Building Enclosure Consulting
- Building Enclosure Testing
- Façade Investigation & Repair
- Structural Evaluation & Repair
- Geotechnical Evaluation & Consulting
- Construction Inspections & Materials Testing Services

We specialize in solving problems in existing structures. Common concerns include structural distress, material defects, building enclosure failures (water, air, thermal), and geotechnical-related issues.

Our Mission

Our expertise in determining the causes, effects, and remedies for these problems has resulted in a growing business preventing those same problems on new construction.

- AOC
- USACE
- U.S. Air Force
- U.S. Army
- U.S. Marines
- U.S. DOI (Dwight D. Eisenhower Memorial)
- U.S. DOD (Walter Reed National Military Medical Center)
- United States Military Academy (West Point)
- NAVFAC
- GSA (U.S. Courthouses)



COMPANY DATA

- Headquarters: Manassas, VA
- Year Est.: 1995
- Cage Code: 1KZR5
- Unique ID: DLJ7HPLXKNG1

NAICS CODES

- 541330 - Engineering Services
- 236220 - Commercial & Institutional Building Construction
- 541310 - Architectural Services
- 541350 - Bldg. Inspection
- 541380 - Testing Laboratories
- 541690 - Other Scientific and Technical Consulting Services

CERTIFICATIONS

- SBA certified Small Business
- MWAA – LD BE
- VA SWaM Small Business (#7043)

CURRENT FEDERAL CONTRACTS

- AOC (sub to AEI and Leo Daly) - EA Services for the US Capitol Power Plant and AOC - Wide Heavy Infrastructure Projects & Facilities Condition Assessments (Tunnel/Structural)
- GSA – Mid-Atlantic Region’s North & South Area – IDIQ Contract for Roofing, Façade, Building Enclosure & Design Services
- DOD Washington HQ Services (Sub to ServiceSource) – Structural Inspections
- USACE Baltimore District (Sub to Stantec) - Various Civil Engineering & Related Professional Consulting Services

DIFFERENTIATORS

- Analysis Evaluation and Design Capabilities
- In-house capabilities allow us to provide continuity from cradle to grave in repair projects
- Senior level involvement
- Perform independent research and publish peer reviewed articles that advance the industry

SPECIALIZED SERVICES

- Rope Access Group – Certified by the Society of Professional Rope Access Technicians
- Structural Monitoring & Load Testing
- Hygrothermal Analysis
- Building Science
- Evaluation of enclosure design, construction components, and existing conditions



Celebrating almost 25+ years operating as a small business

Approximately 2,500 building envelope consulting projects across the contiguous U.S.

96% Renewal rate on term contracts since 2010

Facility Grid software utilization

Manassas, VA | Charlottesville, VA | Blacksburg, VA | Hinton, WV | Myrtle Beach, SC | New York, NY

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RELEVANT EXPERTISE

Building Enclosure Commissioning		Building Enclosure Consulting	Building Enclosure Testing
<ul style="list-style-type: none"> Design review of building enclosure Mock-up and field performance testing utilizing standardized testing methods for both air & water Warranty inspection Active members on code & standard development committees throughout the industry 	<ul style="list-style-type: none"> Roofing Survey & Repair Design Façade Distress and Leakage Investigations Design and Constructability Reviews Evaluate problems relating to water leakage, air infiltration, condensation, energy retrofits, and structural façade failures 	<ul style="list-style-type: none"> Waterproofing Hygrothermal analysis of wall and roof assemblies Instrumentation & Field Data Collection Fenestration Thermal Modeling Thermal evaluation of fenestration assemblies 	<ul style="list-style-type: none"> Roof Fenestration Façade Whole Building Diagnostic water leakage and air infiltration testing following ASTM standards
Façade Investigation & Repair Design		Geotechnical Evaluation & Consulting and Forensics	
<ul style="list-style-type: none"> Façade systems of masonry, concrete, stucco, exterior insulation and finish, and metal panels Window, curtain wall and skylight systems Terrace and plaza systems Waterproofing repairs Development of Maintenance Programs Restoration of Historic Buildings 		<ul style="list-style-type: none"> Subsurface Exploration and Geotechnical Investigations Foundations and Slabs Pavements Earth Retention Systems and Slopes Forensic Geotechnical Investigations & Repair Design 	
Structural Evaluation & Repair		Construction Inspection and Material Testing Services	
<ul style="list-style-type: none"> Condition Assessments Feasibility Studies Non-destructive Testing (NDT) Materials Evaluation, Structural Analysis & Forensics 		<ul style="list-style-type: none"> Structural Fill Cast-in-Place Concrete Structural Steel Masonry (clay and concrete) Asphalt 	<ul style="list-style-type: none"> Fireproofing Stucco & EIFS Timber Reinforcing Steel, Formwork, and Post-Tensioned Concrete

Representative Project Experience

- AOC, WEST REFRIGERATION PLANT, WASHINGTON, D.C.** – 54,000 SF: Concrete condition assessment survey, repair design, and CA services
- AOC, FORD OFFICE BUILDING, WASHINGTON, D.C.** – 594,966 SF: Building enclosure & masonry façade survey
- USACE, CONFIDENTIAL LABORATORY, HUNTSVILLE, AL** - 118,000 SF: Building enclosure commissioning
- WRAIR, NATIONAL MILITARY MEDICAL CENTER - FORT DETRICK, FOREST GLEN ANNEX IN SILVER SPRING, MD** - 65,700 SF | \$51.8M | Completed 2020: Building enclosure & structural evaluations
- GSA, JOSEPH F. WEIS, JR. U.S. COURTHOUSE, PHILADELPHIA, PA** - 168,031 SF: Historic building enclosure evaluation & repair design
- GSA, ALTMAYER SOCIAL SECURITY ADMINISTRATION HEADQUARTERS, WOODLAWN MD** - 170,000 SF: Building enclosure commissioning of façade modernization
- NIH, NATIONAL INSTITUTE OF ALLERGY & INFECTION DISEASE VACCINE RESEARCH CENTER 40A, BETHESDA, MD** - 158,141 SF: Building enclosure commissioning
- USNA, RICKOVER HALL, ANNAPOLIS, MD** - 49,000 SF (Roof): Roof consulting services / development of roof repair specifications
- DoD, WASHINGTON HEADQUARTERS, ALEXANDRIA, VA** – 3,100,000 SF: Annual building enclosure & structural inspections as a sub to ServiceSource
- DOI, DWIGHT D. EISENHOWER MEMORIAL, WASHINGTON, D.C.** – 4 ACRES: Quality assurance services

Manassas, VA | Charlottesville, VA | Blacksburg, VA | Hinton, WV | Myrtle Beach, SC | New York, NY

AOC | U.S. CAPITOL UTILITY TUNNELS, WASHINGTON, D.C. - \$2 M (ANNUAL CONSTRUCTION BUDGET) | 3-1/2 MILES | SINCE 2005: WDP provides engineering services for the AOC through annual or biennial condition assessments of the Plant's concrete utility tunnels, as well as various other structures on the grounds of the Capitol Power Plant. These assessments typically include material sampling and testing, non-destructive evaluation, repair design documents, and construction support services. WDP's work has included the Utility Tunnels, West Refrigeration Plant and Expansion, Boiler Building, Generator Building, East Refrigeration Plant, and Ash Silo Structures. WDP has completed over 40 successful task orders through multiple term contracts since 2005.



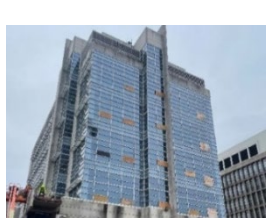
WRAIR, WALTER REED NATIONAL MILITARY MEDICAL CENTER - FORT DETRICK, FOREST GLEN ANNEX IN SILVER SPRING, MD - \$51.8M | 65,700 SF | COMPLETED 2020: WDP performed a building enclosure condition assessment, including a visual survey of the exterior walls and roof. WDP provided a hygrothermal analysis and U-factor calculations to aid the AE in energy code compliance while maintaining the integrity of the existing masonry walls. WDP assisted the AE in detailing a continuous air barrier with the least possible scope of work. WDP provided periodic site visits to verify the building enclosure thermal upgrades were in compliance with applicable documents.

GSA, EDWARD N. CAHN FEDERAL BUILDING & U.S. COURTHOUSE, ALLENTOWN, PA - \$1.4 M | 18,575 SF | COMPLETED 2021: WDP performed a pre-design existing conditions survey to document the main roof and two small entrance roofs for replacement. During the survey, test cuts were made into the existing roofing system to confirm existing materials and slopes. Hazardous materials testing was performed to check for asbestos, lead, and PCBs. Findings from the investigation were presented to the GSA to help the Owner evaluate options for the repair scope of work. The new design includes replacing the existing ballasted EPDM roof membrane with a mechanically fastened cover sheet over the existing lightweight insulated concrete roof deck, fully adhered cover board, and fully adhered EPDM membrane.



GSA, RICHARD H. POFF FEDERAL BUILDING, ROANOKE, VA - \$15.6 M | 341,289 SF | Completed 2019: The 14 story Poff Federal Building was constructed in 1975. WDP provided services for the façade recladding and parking garage structural and waterproofing repair. Working on behalf of the GSA through the Construction Manager, WDP performed multiple design reviews, participated in value engineering meetings, and performed construction observations on both the façade and the garage.

U.S. ARMY CORPS OF ENGINEERS LABORATORY, CONFIDENTIAL GOVERNMENT LABORATORY, HUNTSVILLE, AL. - 50,000 SF | Completed 2017: As BECx of a high security lab facility in the southern U.S., WDP's services encompassed design and construction phases, beginning with the verification that the Basis of Design (BOD) met the owner's requirements for the project. WDP provided peer review of the design documents for the building enclosure at specified completion intervals, paying particular attention to the details which would ensure an air and water-tight enclosure and meet the specific parameters required for a highly specialized lab. During construction, WDP monitored installation of building enclosure components to ensure they were installed properly and with good workmanship. WDP performed QA testing of the air barrier.



NATIONAL INSTITUTES OF HEALTH (c/o MBP), NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASE VACCINE RESEARCH CENTER BUILDING 40A, BETHESDA, MD - \$123 M | 158,141 SF | Ongoing: WDP is currently performing BECx services to the new addition of the existing NIH National Institute of Allergy and Infectious Disease Vaccine Research Center - Building 40. The new addition will house additional translational research work, traditional bio-medical research laboratories, associated support spaces, computational work areas, offices, personnel support rooms, and collaborative areas. WDP has performed design reviews at each submittal stage, developed the BECx specification and BECx Plan, and is currently performing site visits and submittal reviews during construction.

VIRGINIA DEPARTMENT OF GENERAL SERVICES, GENERAL ASSEMBLY BUILDING, RICHMOND, VA - \$191 M | 400,000 SF (14 Stories) | Completed: 2023 (est.): WDP is providing on-going BECx services in support of the new construction project, participating from the design phase through construction phase. Services include peer review of construction documents, advisory review of submittals and shop drawings, and periodic site visits. Additionally, we have developed the building enclosure specification section to be included in the Project Manual and a Building Enclosure Commissioning plan, including a checklist for each component of the building enclosure.



UNITED STATES NAVAL ACADEMY, RICKOVER HALL, ANNAPOLIS, MD - \$44.5 M | 49,000 SF (roofing) | Completed 2020: As part of the overall renovation of Rickover Hall, the existing built-up roof was replaced with a new Modified Bitumen roof assembly. WDP was engaged by the General Contractor to provide roof consulting and assist in developing roofing repair specifications and details for an alternative system to that which was originally specified for the repairs based on the as built condition of the building. WDP assisted the GC throughout the variance submittal process and provided wind load calculations and fastener pull testing in the field to verify adequate performance of the system.