

## CAPABILITIES STATEMENT

### About MacDonald-Bedford LLC

<b>Home Office:</b> <b>103 E. Holly Street, Suite 210</b> <b>Bellingham, WA 98225</b> Tel: 360-485-0800 Mobile: 360-306-7129 877-521-4020	<b>Branch Offices</b>	
	<b>Alameda</b>	2900 Main Street, Ste 200, Alameda, CA 94501 • 510-521-4020
	<b>Guam</b>	24018 Carolines Avenue, #456, Yigo, Guam 96929 • 671-989-8500
	<b>Jacksonville</b>	1335 Kingsley Avenue, #692, Orange Park, FL 32067 • 843-277-6800
	<b>New York</b>	14 Penn Plaza, 225 West 34 <sup>th</sup> Street, New York, NY 10122 • 212-433-4020
<b>Website</b>	<a href="http://www.macdonaldbedford.com/">http://www.macdonaldbedford.com/</a>	
<b>Date of Establishment</b>	1 May 2002	

Our mission is to enrich the lives of others, i.e., clients, end users, employees, partners, vendors, etc., by ensuring that all stakeholders meet their objectives. To achieve this goal, we provide high-quality professional services delivered with the utmost efficiency and cost-effectiveness. MacDonald-Bedford LLC is committed to incorporating the attributes of integrity, industry, insight, and intelligence into all affairs, internal as well as external. Our vision is to be a 'Built to Last' legacy company.

### Services We Provide

MacDonald-Bedford LLC (M-B) is a small, mature, and seasoned firm in its 22nd year that offers to private as well as public clients, specialized expertise in architectural, engineering, and environmental services as well as the management of Programs, Projects, Construction, and Facilities. M-B is proud to employ certified professionals demonstrating cutting-edge performance in planning, commissioning, design-build delivery systems, energy enhancements, fire protection engineering, project controls, risk management, and value engineering. The firm's federal clients include the Departments of Defense, Energy, Homeland Security, Transportation, and the General Services Administration. M-B is a proven and reliable Service-Disabled Veteran-Owned Small Business with its corporate home office in Bellingham, Washington (Northwest regional office). M-B also maintains regional offices in Alameda, California (Southwest), Guam (Pacific), Jacksonville (Southeast), and New York City (Northeast). M-B has worked in 47 states, three U.S. Territories, and the District of Columbia.

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| <ul style="list-style-type: none"> <li>▪ Program &amp; Portfolio Management</li> <li>▪ Project &amp; Construction Management</li> <li>▪ Engineering &amp; Design Management</li> <li>▪ Environmental Management</li> <li>▪ Facilities Assessment &amp; Management</li> <li>▪ Change Order Management</li> <li>▪ Project Controls &amp; Scheduling</li> <li>▪ Cost Estimating &amp; Cost Control</li> </ul> | <ul style="list-style-type: none"> <li>▪ Strategic Planning</li> <li>▪ Planning &amp; Feasibility Studies</li> <li>▪ Project Risk Management</li> <li>▪ Commissioning (De- and Retro-) &amp; Start-up</li> <li>▪ Fire Protection Engineering</li> <li>▪ Value Engineering</li> <li>▪ Quality Assurance &amp; Control</li> <li>▪ Training Program &amp; Project Management</li> </ul> |
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**Primary NAICS:** 541330, 541611, 541620, 611430

### Business Certifications

**SBA SDVOSB** Service-Disabled Veteran-Owned Small Business, Small Business Administration (SBA)

**CA DVBE and SB** California Disabled Veteran Business Enterprise (DVBE) & Small Business

**NYS-SDVOB** New York State Service-Disabled Veteran-Owned Business


**UEI:** RWNLQ9H3SVRI (System for Award Management Unique Entity Identification)

**CAGE:** 367V1

Core Leadership			
Susan E. Bedford, DGA		Director of Public Relations	
Alan J Burton		Senior Vice President	
Michael E. Crawford		Director of Marketing	
Raymond C Diaz		Contracts Manager	
Natalie J. Haag		Office Manager, Bellingham Home Office	
Daniel T. Herrera		Regional Manager, Southwest	
Kirk H. Van Vuren		Special Projects Officer	
Alan N. Watt, PE, LEED AP BD+C, BCxP, F.SAME		Vice President, Technical Services	
Daniel M. Wentz, Ed.D.		Knowledge Management Specialist	
Principal Professional Affiliations			
<b>AEA</b>	Army Engineer Association	<b>CMAA</b>	Construction Management Assoc. of America
<b>ASCE</b>	American Society of Civil Engineers	<b>PMI</b>	Project Management Institute
<b>ASHRAE</b>	American Society Heating, Refrigerating, and Air-Conditioning Engineers	<b>SAME</b>	Society of American Military Engineers
		<b>SMPS</b>	Society of Marketing Professional Services
Marketing Contact			
<a href="mailto:services@macdonaldbedford.com">services@macdonaldbedford.com</a> • 877-521-4020			
Awards			
<b>Winner</b> -Robert B. Flowers Small Business Award, Society of American Military Engineers			
<b>Winner</b> -Sustaining Member of the Year Award, Jacksonville SAME Post			
<b>Honoree</b> -Patriotic Employer, Employer Support of the Guard and Reserve (three times)			
<b>Honoree</b> -SAME Regional Vice President’s Medal, California Region			
<i>Numerous letters of commendation for our consultants assisting clients with the management of their programs.</i>			


## MACDONALD-BEDFORD PROFESSIONAL PERFORMANCE



### Current Operations

Owner	Federal Emergency Management Agency (FEMA)
	<b>Program Analysis and Administrative Support:</b> M-B is part of a multi-firm team, i.e., the Strategic Alliance for Risk Reduction (STARR) JV which provides engineering and other technical services to the Federal Emergency Management Agency (FEMA) to operate all aspects of the Flood Risk Mapping, Assessment, and Planning (Risk MAP) program in FEMA regions II, III, V, VII, VIII, IX, and X. Services include mapping activities, Digital Flood Insurance Rate Maps (DFIRMs), disaster recovery data and other technical support (including joint mapping activities initiated under the Cooperating Technical Partner initiatives).
Value	Total capacity: \$1.5M (Revenue to Date)
Services	M-B is providing executive program management, project controls (cost and scheduling) services, and program administration to the STARR Project Management Office. We do so with quantitative financial review and resource assessment, metadata control and access, business analytics, data visualization, and the development of templates that capture/predict standard performance metrics. M-B is part of the proposal, award, execution, and close-out in R-VIII, R-X, & Regional Production Support.

*MacDonald-Bedford Capabilities Statement (continued)*

<b>Owner</b>	<b>Naval Facilities Engineering Command Pacific – Marianas Region</b>
	<b>Construction Management Consulting Services:</b> As Managing Partner of the M-B   MBP Joint Venture (JV), and assisted by notable A/E firms, M-B is providing CM in the NAVFAC Pacific Area of Responsibility; primarily in the NAVFAC Marianas Region of Operation in support of the Pacific Deterrence Initiative and the Defense Policy Review Initiative Program which primarily is focused on the establishment of Camp Blaz, to facilitate the relocation of Marines from Okinawa to Guam. During this 5-year IDIQ contract, the JV Team will support the construction of cantonment, aviation, and training facilities as well as family housing and supporting infrastructure throughout the AOR/Marianas Region.
<b>Value</b>	Total capacity: \$98M (Total value for the multi-firm team)
<b>Services</b>	Provide supervision and administration of the contract with a full-time program manager; support the team with program management and coordination, engineering, construction management, risk analysis, scheduling, and inspection consulting services.
<b>Owner</b>	<b>U. S. Property &amp; Fiscal Offices of the District of Columbia, Ohio &amp; Rhode Island</b>
	<b>Program, Project, and Construction Management Consulting Services:</b> As the prime contractor, M-B provides a variety of management consulting services associated with architectural, engineering, environmental, and construction issues. M-B serves seven Air and Army National Guard installations for military construction; sustainment, restoration, and modernization projects; and for Master Planning and Real Property Management.
<b>Value</b>	Total capacity: \$3.8M
<b>Services</b>	M-B provides consulting services with engineers and engineering technicians, program, project, construction, and real property managers, to assist Base Civil Engineers and the Directors of Construction and Facility Management Offices. Services include master planning, feasibility studies, design reviews for constructability, biddability, and operability, preparation of requests for proposals and invitations for bid, project controls, review and assessments of requests for information, submittals, and change order requests, construction inspections, evaluations of facilities and infrastructure and compliance issues.
<b>Owner</b>	<b>Federal Transit Administration</b>
	<b>Program Management Oversight</b> M-B is a sub-consultant to Urban Engineers in the provision of PMO services associated with the expansion of the rail transit system for the Los Angeles County Metropolitan Transit Authority on behalf of the Federal Transit Administration (FTA). The objective is to provide FTA with contract support capable of rendering critical programmatic inputs for a variety of FTA program decisions for its grant programs and major capital projects.
<b>Value</b>	\$60,000
<b>Services</b>	Key services include the review of Project Management Plans and a determination of a project sponsor's technical capacity and capability to ensure the successful delivery of project scope within budget, schedule, and IAW all applicable Federal requirements. This entails ensuring that the Grantee provides continuous management direction; provides adequate technical inspection and supervision of all work, assures conformity to terms and agreements; monitors activities to ensure that schedules and performance goals are achieved; and keeps project expenditures within an established measure of the latest approved project budget.

Owner	The California Military Department
	<b>Commissioning Services.</b> As part of a Mead & Hunt Sustainability and Commissioning Services Team, MacDonald-Bedford provides commissioning for two CMD efforts, one is the design-build 32,000 SF, \$12M design and construction of a LEED Silver Defense Security Cooperation Agency Readiness Center at Joint Forces Training Base Los Alamitos and the other is the construction of a new 285,000 SF, \$120M, LEED Gold, Consolidated Headquarters Complex in Rancho Cordova.
Value	\$305,000
Services	Services include the preparation of and revision to the commissioning plan, validation of measurement and verification criteria, assistance with identifying designer-builder qualifications, review of submittals to include operations and maintenance manuals, crafting responses to requests for information, participation in design reviews/team meetings, and the inspection /observation of functional testing and final walk-thru.

Completed Contracts	
Owner	The Long Island Railroad
	<b>Commissioning Services.</b> M-B is in support of AECOM which is providing a comprehensive design review for the Moynihan Train Hall (MTH) Space Fit-out Design. Adjacent to Penn Station, the new Train Hall will serve as a new concourse for Amtrak and Long Island Railroad passengers, while additional space is dedicated to commercial, retail, and dining spaces. The AECOM team is providing scrutiny regarding the selection of materials, equipment, and systems that provide the best possible performance, maintenance, and replacement regimes, and life-cycle costs are critical to the successful design, implementation, and operation of LIRR facilities within Moynihan Train Hall.
Value	\$34,000
Services	M-B is producing a Commissioning, Acceptance, and Maintenance Plan (CAMP) CAMP in association with the design process and documentation to address Standard Operating and Maintenance Manuals, Training, Maintenance and Warranty Development, Service and Maintenance agreements for select systems, and Final testing/acceptance criteria and documentation. The CAMP will reflect the material, equipment, and system requirements in the design drawings and technical specifications to provide a cohesive package.
Owner	Veterans Administration Medical Center – Long Beach
	<b>Commissioning Services.</b> As part of a Parsons Professional Services Team, MacDonald-Bedford provides commissioning activities for a five (5) phase renovation of the Outpatient Clinic of the VAMC Long Beach which consists of several specialty clinics including audiology, vision, sleep lab, education rooms, and a welcome/reception area and associated utilities. Approximately 52KSF of the area is being renovated on the first and second floors, along with approximately 32KSF of a basement utility area.
Value	\$135,000
Services	MacDonald-Bedford was brought in to manage the construction, acceptance, and warranty phases working extensively with the trades to ensure proper submittals, operations and maintenance manuals, test and balance activities, and full system measurement and verification.



<b>Owner</b>	<b>New York Office of Parks, Recreation &amp; Historical Preservation</b>
	<b>Commissioning and Fire Protection Design.</b> MacDonald-Bedford is a sub-consultant to ikon5 Architects which is contracted to progress schematic design into final design and contract documents for an \$8M expansion and improvements to the National Purple Heart Hall of Honor and site including exhibit expansion. Services include cost estimating as well as assistance with the bidding and construction administration phases.
Value	\$112K
Services	M-B will assist with condition reports, help develop the Owner's Priority Requirements, develop plans and specifications for fire protection designs, establish and coordinate a commissioning plan and oversee its execution, and conduct site inspections during construction for quality assurance and compliance with the contract documents.
<b>Owner</b>	<b>New York City Transit Authority</b>
	<b>Project Controls Services.</b> MacDonald-Bedford is a part of the VHB Team providing environmental and engineering consulting services in a two-year study of the feasibility of a Staten Island North Shore Bus Rapid Transit System. The tasks include alternatives analysis, traffic demand modeling and analysis, conceptual engineering, construction sequencing and cost analysis, and various requisite environmental compliance reviews and documentation to include a draft Record of Decision.
Value	\$240K
Services	M-B is providing capital cost estimating and analysis of the proposed and alternative courses of action, validating the initial facts and assumptions that predicate the basis of estimate and sequencing of the work, assessing cost and schedule methodologies as well as the probability and impact of adverse risk events.
<b>Owner</b>	<b>The Metro-North Railroad</b>
	<b>Project Controls Services.</b> MacDonald-Bedford as a part of the VHB Team conducted a Site Feasibility Analysis Study for each of the six candidate sites of a new rail/maintenance-of-way/maintenance-of-equipment yard required by the New Haven Line. The team will establish evaluation criteria, develop conceptual plans, conduct a non-revenue cost analysis, and populate a comparative matrix with a supporting narrative that identifies with recommendations an optimum solution.
Value	\$30K
Services	M-B supported site optimization efforts by providing engineering assessments, site evaluations, and capital cost estimating employing order-of-magnitude methodologies, conducting risk and sensitivity analyses, utilizing established contingencies and soft costs, updating cost Fact Sheets, and supporting the effort to select the optimum site.
<b>Owner</b>	<b>General Services Administration (GSA) Region 8, Rocky Mountain Region</b>
	<b>Construction Management (CM) Services:</b> M-B was the prime contractor of a multi-firm team recently awarded a multiple-award IDIQ contract to provide CM and inspection services to GSA Region 8. The firm provided construction management services with regard to repair, new construction, and quality post-construction services, including demolition and/or hazard abatement with possible work in historic buildings. M-B supported GSA in the states of Montana, North Dakota, South Dakota, Utah, Wyoming, and Colorado.
Value	\$5M (Total value for the multi-firm team)



*MacDonald-Bedford Capabilities Statement (continued)*

Services Provided	M-B provided architectural, mechanical, electrical, estimator, civil, structural, geotechnical, environmental, certified industrial hygienist, fire/life safety, elevator, acoustical, historic preservationist, construction manager/inspector, surveyor, and other disciplines with specialized experience. Tasks included submittal and shop drawing review and approval, testing services, contract administration including inspection for conformance with design specifications, plans and specifications for change orders, cost estimating, inspection services, and other contract quality assurance functions.
Owner	<b>National Guard Bureau (NGB), Professional Advisory &amp; Assistance (Engineering)</b>
	<b>Engineering Support Services:</b> M-B was the prime contractor of an IDIQ contract to provide engineering services in support of the Air National Guard and the Army National Guard in the 54 states and territories, and the District of Columbia. M-B provided a full range of engineering services to achieve maximum effectiveness and economy in operations in support of the National Guard.
Value	\$60M
Services Provided	M-B provided subject matter experts to serve in a variety of positions including Energy Advisor, Engineer, Instructor/Facilitator, Program Manager, Project Analyst, Project Manager, Real Property Management, Civil Engineering Technician, Drafter, Engineering Technician, Inspector and Surveying Technician, and other disciplines with specialized experience. Services included engineering support, construction management, facilities management, architectural design, maintenance, drafting, project/program management, training, and related specialties at professional, technical, and support levels.
Owner	<b>Federal Transit Administration (FTA)</b>
	<b>Project Management Oversight (PMO):</b> M-B was a sub-consultant to Urban Engineers in the provision of cost estimation and project scheduling services overseeing the subway work \$6B East Access program of the Metropolitan Transit Authority for New York City on behalf of the FTA. The objectives of the PMO contracts were to provide contract support capable of rendering critical programmatic inputs for a variety of FTA program decisions for its grant programs and major capital projects.
Value	\$700,000 (Consulting Contract Value)
Services Provided	Reviewing the MTA's project cost estimate/ schedule and supporting documentation to ensure that projects are being built safely, on budget, on schedule, within scope, and in conformance with applicable regulations and guidelines. M-B served as a technical resource and subject matter expert for transit project budgeting, cost estimation, and project scheduling.
Owner	<b>U.S. Army Corps of Engineers, Louisville District</b>
 <b>US Army Corps of Engineers</b> Louisville District	<b>Value Engineering &amp; Value Management Services:</b> M-B was part of a multi-firm team selected to provide a variety of Architect/Engineer (AE) Value Engineering/Value Management (VE/VM) services for various military, environmental, and civil works projects primarily within the Great Lakes and Ohio River Division mission boundaries and the Louisville District Army & Air Force Reserve design missions are nationwide.
Value	\$4.5M



*MacDonald-Bedford Capabilities Statement (continued)*

Services Provided	Performed VE/VM studies/reviews that included the study of project features and design systems to arrive at recommended alternatives following the six-step plan as recognized by the Society of American Value Engineers International. Services included the use of value methodology or other decision-making tools to perform value-based program/project planning and design charrettes; lead value-based reviews of requests for proposals and/or plans & specifications; prepare risk determinations and mitigation plans for specific programs/projects; lead large program and business process review workshops, lead lessons-learned & after-action reviews including participation from project delivery teams; and perform traditional VE workshops for multiple projects delivery methods.
Owner	<b>Los Angeles Air Force Base (LAAFB)</b>
	<b><i>Environmental and Engineering Services:</i></b> M-B was the prime contractor of a contract to provide all engineering and environmental support services to the 61 <sup>st</sup> Civil Engineer and Logistics Squadron (CELS) located at Los Angeles Air Force Base (LAAFB) and four satellite installations. LAAFB is a three-star command that reports to Air Force Space Command. For this multi-year \$14 million program, M-B provided a team of over 20 professional architects, engineers, and support personnel to help the 61 <sup>st</sup> CELS manage its facilities' Sustainability, Restoration, and Modernization (SRM) Program.
Value	\$14M
Services Provided	M-B provided AEC Services including Administrative and Clerical Services, Community Planning and Programming, Construction Management, Real Property Management, and Space Planning Management Services to LAAFB. The planning and programming aspects included support in investigations, studies, facilities assessments, risk analysis, space allocation, and master planning. Engineering services included support in design, interior architecture services, construction management, and inspections. The design aspect included A&E design management, field condition analysis, detailed cost estimate preparation, scheduling, project statement of work preparation, Computer-Aided Design Drawings, constructability operability, maintainability reviews, and value engineering studies. Environmental services included pollution prevention, compliance oversight, and conservation program management.
Owner	<b>Department of Veterans Affairs (DVA)</b>
	<b><i>Program and Project Controls Support:</i></b> M-B provided consulting services for the Office of Construction and Facilities Management (CFM) of the DVA to assess the health of the CFM Program for the design and construction of VA facilities. M-B evaluated existing CFM program and project management procedures and produced reports that captured the degree of integration for all information systems. M-B also designed a training curriculum that prepared the VA staff to assume management of the system.
Value	\$430,000
Services Provided	Deliverables included an assessment of all CFM systems utilized to manage CFM efforts, the establishment of controls and measures to (a) report on the health of CFM's Program; (b) assist managers in assessing progress on individual projects and the submittal of accurate and timely reports. In addition, M-B trained and educated the CFM staff in preparation for them to take over management of the controls and measures system.

Owner	Naval Facilities Engineering Command (NAVFAC) Mid-Atlantic
	<b>Architectural/Engineering &amp; Construction Management Services:</b> M-B was part of a multi-firm team, which provided program and engineering support and assisted in the overall management of a multi-year, \$10 billion Capital Improvement Program for the entire Mid-Atlantic command (North Carolina to Canada) of the Department of the Navy in Norfolk, VA. MacDonald-Bedford had a team of 11 architects, engineers, and project administration specialists serving on this program team.
Value	\$4M
Services Provided	<b>Design and Construction Management:</b> M-B provided construction oversight, program coordination, programmatic master scheduling, parametric cost estimation, multiple project scheduling, progress review and analysis, safety program support, commissioning support, fire protection engineering support, and multidiscipline submittal review. Support included design, project, and construction management; and the development of requests for proposals, project scopes, schedules, budgets, and status reports in support of project programming, planning, design, and construction product delivery.
Owner	Naval Facilities Engineering Command (NAVFAC) Southwest
	<b>Architectural/Engineering &amp; Construction Management Services:</b> As part of a multi-firm team, M-B provided design and construction management services for a \$7 billion Capital Improvement Program for NAVFAC in the Southwest region. M-B had a team of 17 architects, engineers, and technicians, serving on various installations, and was carrying out a leadership role for the design services section of this effort.
Value	\$10M - \$11M
Services Provided	<b>Program and Technical Support:</b> M-B provided project, design, and construction management services including scheduling, parametric cost estimating, multiple project schedule and progress review and analysis support, safety program support, commissioning support, and submittal review support. Under the technical aspect, support included design and project management, including assistance with the development of project scopes, schedules, budgets, status reports, and briefs which were in support of project programming, planning, and design and construction product delivery.
Owner	US Army Corps of Engineers (USACE), Jacksonville District
	<b>Project Controls and Project Management Support:</b> M-B, as the prime contractor, provided project management and project controls (scheduling) services to assist USACE, Jacksonville District. The Project Manager and Project Controls Specialists/Technicians supported approximately 300+ Water Resources Projects at various stages of development including flood control, shoreline protection, harbors, etc. but most notably, the \$10 billion Everglades Environmental Restoration Program. M-B also provided all aspects of program controls and scheduling for environmental restoration of the Formerly Used Defense Sites (FUDS) Program within the District boundaries.
Value	\$6.4M





*MacDonald-Bedford Capabilities Statement (continued)*



Service Provided	The M-B Project Manager interfaced with the highest levels of the District and coordinated the efforts of the Project Controls team. The Project Controls team provided P3 Primavera and P2 module (designed exclusively for USACE) scheduling services. By working directly with the Project Delivery Teams, (PDTs) and the Branch Chiefs, M-B schedulers ensured schedules were current, performed <i>what-if</i> analysis, and prepared for the monthly project review board (PRB) meetings. M-B provided guidance and interpretation of requirements, assuring the program and projects complied with the client's expectations. All engineering and design projects were supported by M-B's Program Control/ Scheduling Staff
Owner	<b>State of California Department of Transportation (Caltrans)</b>
	<b>Risk Management Services:</b> M-B was a sub-consultant to CALTROP in the provision of project management, project scheduling, project coordination, program management, and professional risk management services in support of the \$6 billion Toll Bridge Seismic Retrofit Program (TBSRP) and the Regional Measure 1 Program (RM-1) which incorporated all major bridges in the Bay Area. The Caltrans risk management process and activities for capital transportation projects were in conformance with the Project Management Institute's (PMI) Project Management Body of Knowledge (PMBOK).
Value	\$250,000 to \$500,000
Service Provided	<p>Risk Management Consulting, Scheduling and Technical Writing, Quality Management, Resource Management, &amp; Communication Management. M-B's primary roles were:</p> <ul style="list-style-type: none"> <li>• Update the risk management plan and risk register that identifies risks, their probability, and their impact on project scope, cost, schedule, and quality</li> <li>• Maintain and update Risk Management database – assume service contract for risk management database server; maintain database functionality and update data</li> <li>• Prepare and deliver quarterly risk management reports; facilitate the incorporation of risk management data in the Program's Quarterly report to the State Legislature.</li> </ul>
Owner	<b>University of Virginia, The College of William and Mary, Williamsburg, VA</b>
	<b>Commissioning Services:</b> M-B was part of a multi-firm team headed by MBP providing commissioning services to the University of Virginia for both capital and non-capital projects. The services were in support of any of The University's divisions or other agencies for which The University provided Professional Services and Construction-related Non-professional Services. Services focused on both historic preservation and long-term sustainability while meeting LEED Silver certification as required by the Commonwealth of Virginia. M-B provided Commissioning Agents (CxA) and technicians to support the work.
Value	Total capacity: \$5M (Total 5-year value for the multi-firm team)
Services Provided	The work included fundamental, enhanced, retro-commissioning, and continuous commissioning of university facilities. Activities included incorporating commissioning into the Building Information Modeling Execution Plan; development and conduct of a detailed investigatory program for each new facility and major renovation project; review of construction documents and specifications; developing commissioning plans (design and/or construction) and process reports; inspections in support of acceptance of building systems; developing owner project requirements and system, operation, maintenance and training manuals; field verification and engineering design reviews.

*MacDonald-Bedford Capabilities Statement (continued)*

<b>Owner</b>	<b>Department of Veteran Affairs (DVA)</b>
	<b><i>Design, Cost Estimate, and Construction Contract Bid Documents Services:</i></b> M-B, as part of a multi-firm team, provided professional and technical expertise to develop schematics, pre-design preliminaries, specifications, design drawings, cost estimates, and construction contract bid documents for the Michael E. DeBakey VA Medical Center in Houston, TX. The project scope included building out a 2 <sup>nd</sup> -floor vertical expansion and renovations of the existing space on the 1st floor.
Value	\$8M (Total value for the multi-firm team)
Services Provided	M-B provided new space configurations to enhance space utilization, architectural remodeling, and HVAC including plumbing and fire protection systems. M-B provided constructability review services that included reviewing plans and specifications, developing construction bid documents, maximizing overall project performance, recommending further actions and reviews, ensuring that the project met regulatory requirements, and coordinating efforts of engineering, procurement, and construction.
<b>Owner</b>	<b>US Army Engineering &amp; Support Center, Huntsville District</b>
	<b><i>Architectural/Engineering (A/E) Support:</i></b> M-B was part of a multi-firm team awarded a contract to provide A/E support services to the US Medical Department, Huntsville District. The contract provided total troop-ready project support for planning, outfitting, and transitioning the staff and patients. Services supported 15 healthcare construction projects including Military Health System project management, transition, & relocation planning & services.
Value	\$409M for IO&T Multiple Award Task Order Contract (MATOC) pools (Total value for four unrestricted awards)
Services Provided	Provided the following services: Project/Program and Facility Management, Hospital Support, Transitioning Planning, Control & Assurance, Contract Management, Schedule Management, Project Controls Financial, Safety and Environmental Management, Quality Training services, Commissioning, and Documentation Management.
<b>Owner</b>	<b>US Army Corps of Engineers (USACE), Jacksonville District</b>
	<b><i>Value Engineering:</i></b> M-B was the prime contractor of a multi-firm team awarded a contract to provide value engineering as part of architectural/engineering support for water resource engineering of a multi-year civil works program for USACE in Jacksonville for the areas of Florida, Puerto Rico, and the Antilles.
Value	\$6M (Total value for the multi-firm team)
Services Provided	Provided evaluations for specific water resource engineering projects with an emphasis on hydrologic / hydraulic analyses associated with the design and performance of ecosystem restoration, flood control, water delivery and quality, coastal and navigation projects, 2 and 3-D surface water and groundwater modeling, water management operational modeling, groundwater studies, and analytical/statistical evaluation of historic data.

*MacDonald-Bedford Capabilities Statement (continued)*

<b>Owner</b>	<b>Lawrence Berkeley National Laboratory, Department of Energy (DOE)</b>
	<p><b>Project Management:</b> M-B provided project and facilities management services to Lawrence Berkeley National Laboratory; a facility managed by the University of California on behalf of the DOE. Services incorporated Environmental, Health &amp; Safety (EHS) issues which include legacy risks and operations in an information-secure, restricted access setting. Facilities included those for research and development, training, laboratory, etc. intended to advance the mission of DOE.</p>
Value	\$250,000 +
Service Provided	Project Management: M-B managed a team of planners, engineers, architects, construction managers, quality assurance inspectors, project controls specialists, project administrators, EHS specialists, and other key disciplines.
<b>Owner</b>	<b>Dreyer's Grand Ice Cream, Inc., Union City, CA</b>
<p>Description</p> 	<p><b>Facility Management Services:</b> M-B supported the Facility Manager with A/E and environmental services regarding infrastructure, fire prevention, and life safety. Following the acquisition, M-B provided facilities closure services including establishing appropriate measures and controls for the disposition of all on-site regulated materials. M-B executed and managed all contractual obligations for decommissioning, environmental assessments, remediation, and engineering services. By closely coordinating with the City of Union City and authorities having jurisdiction (AHJ), M-B properly characterized the site, secured all applicable permits, and safely removed, transported, and delivered all hazardous materials to a licensed facility.</p>
Value	\$360,000
Service Provided	M-B provided facilities assessments, strategic thinking, planning, and feasibility studies within the purview of its engineering and environmental services. Safety and environmental awareness are hallmarks of Dreyer's national operations, yet M-B was invited to assess effectiveness and submit recommendations for improvement. Specific undertakings included the design of an updated fire protection sprinkler system, re-grading of truck receiving/docking areas, a seismic capacity assessment, accommodations for battery charging activities, and full-service plant closure activities including all permits and relationships with AHJ. In addition, M-B was tasked with providing selective services for Dreyer's facilities in Stockton, CA, and Laurel, MD.

MACDONALD-BEDFORD TRAINING SERVICES	
Owner	Society of American Military Engineers, Continuing Education Program (SAME CEP)
	<ol style="list-style-type: none"> <li><b>Project Management training for the Department of Defense (DoD) Practitioners:</b> M-B was the sole provider of the three-day project management course to SAME posts (chapters) under the auspices of SAME National. In this training, M-B provided a curriculum specifically tailored to project management practices within the uniformed engineering services including the Army, Navy, Air Force, Coast Guard, and the Public Health Service.</li> <li><b>Project Management Professional (PMP) Exam Prep training:</b> M-B also provided a three-day interactive course that prepared project managers to pass the Project Management Professional (PMP) examination, a requisite for achieving certification as a PMP®. The curriculum reviewed the principles and concepts addressed in the PMP Exam and offered insights and tips that wean out incorrect answers and help students choose the correct answers on the exam.</li> </ol> <p>Both courses covered the structure of the Project Management Body of Knowledge (<i>PMBOK® Guide</i>) as well as the underpinning principles promulgated by the Project Management Institute (PMI®). M-B taught the SAME Continuing Education Program from Frankfurt to Seoul and throughout the United States.</p>
Value	Profit-sharing with SAME
Service Provided	<b>Project Management Training:</b> Overview of project management methodology, practices, principles, and terminology consistent with the PMI's project management framework as described in the 4 <sup>th</sup> edition of the <i>PMBOK® Guide</i> applied to the Department of Defense practitioners. M-B collaborated with key leadership within the services tasked to develop the best practices within the provision of project management services.
Owner	US Army Corps of Engineers (USACE), Huntington District
	<p><b>Project Management Professional (PMP) Exam Prep Training:</b> M-B developed and delivered the Project Management Professional (PMP) Certification Exam Preparatory course for the 533<sup>rd</sup> Engineering Detachment, a unique Corps Forward Engineering Support Team. This five-day course provided the knowledge and strategies needed to adequately prepare the team to take and pass the current Project Management Professional (PMP) Certification Exam given by the Project Management Institute (PMI). M-B trained 17 civilians and uniformed personnel who manage projects all over the world.</p>
Value	\$7,500
Service Provided	<b>Project Management Professional (PMP) Exam Prep Training:</b> Overview of project management methodology, practices, principles, and terminology consistent with the Project Management Institute's project management framework as described in the 4 <sup>th</sup> edition of the Project Management Body of Knowledge ( <i>PMBOK® Guide</i> ). M-B's teaching included the basic principles of PM and their application, the contents of the <i>PMBOK® Guide</i> , class exercises, discussions, and tips on preparing for and taking the PMP exam.

Owner	Kaiser Permanente, National Facilities Services
	<b>PMBOK® Guide Basics, An Introduction to Project Management:</b> M-B was the sole provider of the Project Management Introduction course for Kaiser Permanente. M-B developed and delivered a three-day project management course with a curriculum specifically tailored to project management practices within medical facilities. M-B introduced the PMI project management framework thereby arming over 230 seasoned project managers and engineers with the fundamental principles and processes. In addition, students who qualified and were preparing for the PMP examination were afforded material that focused on exam-taking strategies.
Value	\$38,000
Service Provided	<b>Project Management Training:</b> Overview of project management methodology, practices, principles, and terminology consistent with the Project Management Institute's project management framework as described in the 4 <sup>th</sup> edition of the Project Management Body of Knowledge ( <i>PMBOK® Guide</i> ) applied to the Kaiser Permanente, National Facilities Services' Facility Management practices.
Owner	California State University (CSU), East Bay
	<b>Project Management Training:</b> M-B provided Project Management and Leadership training to a core team of CSU East Bay project managers including essential elements of communication, team building, project planning, project execution, project monitoring & control, and project closeout. The training was based upon Project Management Institute guidelines with special adaptation for California State University Policies.
Value	\$12,000
Service Provided	<b>Project Management:</b> Overview of project management methodology, practices, principles, and terminology consistent with the Project Management Institute and California State University construction management policies.
Owner	Anchorage Post, Society of American Military Engineers
	<b>Project Management Training:</b> M-B provided a three-day interactive course to prepare project managers to pass the Project Management Professional (PMP) examination, a requisite for achieving certification as a PMP®. The training preceded but was offered in conjunction with the Pacific & Northwest Regional Joint Engineer Training Symposium.
Value	\$1,000 per student
Service Provided	<b>Project Management:</b> The curriculum reviewed the principles and concepts addressed in the PMP Exam and offered insights and tips that wean out incorrect answers and helped students choose the correct answers on the exam.
Owner	20th Engineer Brigade, Fort Bragg, North Carolina
	<b>Project Management Training:</b> M-B provided Project Management and Leadership training to a core team of Brigade Officers and NCOs preparing for deployment to Afghanistan. The training included essential elements on communication, team building, project planning, project execution, project monitoring & control, and project closeout.



*MacDonald-Bedford Capabilities Statement (continued)*

Value	\$8,000
Service Provided	<b>Project Management:</b> Overview of project management methodology, practices, principles, and terminology consistent with the Project Management Institute and the U. S. Army Corps of Engineers Project Management Practices.
Owner	<b>H.W. Lochner Engineering</b>
<b>LOCHNER</b>	<b>Project Management Training:</b> M-B provided Project Management Essentials training to introduce the H.W. Lochner Engineering team to project management fundamentals. The training was a simultaneous in-class and video-conferencing course for experienced project managers in transportation projects throughout the U.S.
Value	\$11,000
Service Provided	<b>Project Management:</b> Overview of project management methodology, practices, principles, and terminology consistent with the Project Management Institute and Lochner's construction management policies. Courses were offered in 2012 utilizing the <i>PMBOK® Guide</i> 4 <sup>th</sup> Edition and in 2016 for the 5 <sup>th</sup> Edition.
Owner	<b>Naval Sea Systems Command</b>
	Project Management Training: M-B provided Project Management Essentials training to the Naval Surface Warfare Centers at the Dahlgren Division and Dam Neck. The training was conducted for three days at each site. At Dam Neck training was conducted within a secure facility and for Dahlgren, a satellite campus for Mary Washington University.
Value	\$9,000
Service Provided	Utilizing lectures and real-world exercises, M-B provided an overview of project management methodology, practices, principles, and terminology consistent with the Project Management Institute utilizing the <i>PMBOK® Guide</i> , 5th Edition. Training was provided on the project management professional certification process and sample tests were reviewed.

## Additional Information Highlighting Our Past Performance

*MacDonald-Bedford demonstrates a high level of quality on past performance projects.*

Past Performance Contract	Demonstration of Exceptional Past Performance
1. <b>US Naval Facilities Engineering Command, Southwest (NAVFAC SW)</b> <i>Capital Improvement Program</i>	<p><i>"... subcontractor, MacDonald-Bedford, has also provided tremendous support to NAVFAC. Their staff has been extremely hard-working and diligent at producing the products and support services NAVFAC required to execute the Marine Corps workload. MacDonald-Bedford's dedication to quality and service contributes a great deal to the overall effort."</i></p> <p>Mr. Soliman Labrador Contracting Officer's Representative</p>
2. <b>Dreyer's Grand Ice Cream, Inc.</b> <i>Project and Construction Management</i>	<p><i>"I would like to take a minute to express my appreciation for the value you and your team added to the closure of our Union City, California factory. This closure was very sensitive and fundamental to the strategic plan laid out by the board of directors. Your management, pioneering and technical skills were critical for success."</i></p> <p>Mr. David T. Comer Facilities Manager</p>
3. <b>Department of Energy, Lawrence Berkeley National Laboratory</b> <i>Project and Construction Management Services</i>	<p><i>"MacDonald-Bedford represented the highest levels of professionalism in carrying out their responsibilities, as well as in their internal reporting on project status and their tracking of project costs and schedules....Overall, I found the services provided by MacDonald-Bedford to be excellent in quality, cost-effective in terms of value per dollar, and to exhibit the highest standards of business ethics. I would not hesitate to recommend this firm to anyone who is seeking professional services in any of the construction support disciplines."</i></p> <p>Mr. George D. Reyes Director of Facilities, Lawrence Berkeley National Lab</p>
4. <b>US Army Corps of Engineers, Jacksonville District</b> <i>Project Controls and Project Management Support</i>	<p><i>"Business relationships on the conduct of scheduling work were very good. The Contractor set up periodic meetings with managers of each of the programs to learn of their needs and keep them apprised of the progress of the work being done for each of them. Discussions were frank, and the government managers found that the Contractor delivered on its commitments."</i></p> <p>Mr. Frank Grant, COR, USACE Jacksonville FL.</p>
5. <b>Caltrans/CALTROP</b> <i>San Francisco Oakland Bay Bridge Risk Management Program</i>	<p><i>"MacDonald-Bedford gives all of its commitments equal importance and attention, whether a large or small contract. Their responsiveness has been so superb that we have included them as a subcontractor on other contracts we have pursued and won. We highly recommend MacDonald-Bedford."</i></p> <p>Dr. Rein Lemberg, Director, Project Risk Management CALTROP</p>