STATEMENT OF QUALIFICATIONS

Providing Professional Services (including Strategic Planning, Business Process Improvement, and Program, Project, Construction and Facilities Management) to a Broad Array of National and Regional Private Sector Clients and Governmental Agencies Across the United States

water and wastewater services

“You Have Challenges; We Provide Solutions”
# WATER AND WASTEWATER

**STATEMENT OF QUALIFICATIONS**

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LUSTER COMPANY PROFILE

Luster National, Inc. (LUSTER) is both a Veteran Owned Small Business (VOSB) and a Minority Business Enterprise (MBE). We have a proven successful 26-year track record spanning a broad spectrum of Professional Services. Our services include strategic planning, program, project, construction, and facilities management for a broad array of national and regional private sector clients, as well as governmental agencies across the United States. By incorporating integrated management practices and consulting expertise, we provide effective, timely, and cost-saving strategies that support successful completion of client projects, regardless of complexity, size, or location.

LUSTER supports two sectors: government (in both classified and unclassified environments) and commercial. We have three established operations locations: the Eastern Region, the Central Region, and the Western Region. These operating units support clients in both the commercial and federal arenas within defined geographic areas of the United States. The firm has offices across the United States, from New York to California. The LUSTER organization is built on teamwork, cooperation, and client service. Our mission, vision, and value statements, refined through years of business success, reflect those building blocks.

OUR MISSION
LUSTER generally serves as an “internal” advocate or “owner’s representative” for our clients, but we also perform more conventional Professional Services as an “external” contractor. Regardless of the mission we are required to perform, we provide innovative, sustainable courses of action and business processes in order to meet our client’s unique and diverse needs.

We constantly strive to achieve superlative results, utilizing exceptional people who are subject-matter experts in their respective fields. We are knowledgeable and certified in industry standard management techniques and processes, such as the Project Management Institute (PMI) and Continuous Process Improvement (CPI). We have the experience, technology, and training expertise to get the job done, no matter what the mission. LUSTER strongly emphasizes both achieving client intent and the professional development of not only our personnel, but also our client’s.

OUR VISION
By providing superior Professional Services to government and commercial agencies, both nationally and regionally, we serve as the ultimate advocate for our clients.

Our motto: “You have Challenges; We Provide Solutions” defines who we are, what we do, and how we do it.

OUR VALUES
The values upon which this firm was founded 26 years ago remain the steadfast values of the company today:

1) **Client Focus:** To provide our clients with the best possible Professional Services, using only the most competent, motivated, and dedicated employees, in order to design solutions to meet the client’s needs in a timely and cost effective manner. “Mission First; People Always”

2) **Professional Integrity:** To maintain an organization that exhibits integrity, promotes diversity, and encourages teamwork and creativity; a firm that delivers exactly what is expected on each and every project.

3) **Social Responsibility:** To be exemplary social, environmental, and cultural stewards in the communities where we are corporate citizens.
LUSTER’S COMMITMENT TO ITS CLIENTS

LUSTER works with a notable collection of diverse clients and has done so for over 26 years. We have provided the following services to our patrons:

- Program and Project Management
- Construction and Facilities Management
- Construction Engineering & Inspection (CE&I)
- Utility Coordination
- Engineering
- Strategic Planning
- Business Process Management
- Supplier Diversity Support

We work with a variety of corporate and government agencies to ensure completion is both on time and on budget for complex projects, in addition to more straightforward programs and projects of various sizes. LUSTER can field entire teams of professionals or provide staff augmentation to mitigate critical customer “gaps”. LUSTER understands the unique requirements of our clients and provides the best possible people and the most cost effective, unique, and innovative solutions to address critical client issues. We are committed to providing our clients with the highest quality of work in a timely manner.

MANAGEMENT AND DELIVERY

LUSTER is focused on delivering high-quality projects on time and on budget. As such, we utilize a highly skilled staff of subject-matter experts with the skill sets and experience necessary to control cost, timeline, quality, and mitigation of client risk.

As the Program/Project Manager, LUSTER vigilantly directs and supervises work as the project proceeds through the planning, design, and construction stages. LUSTER works closely with our clients, regulatory agencies, and other third-party stakeholders to track and direct various types of work based on a Program Management Plan (PMP) developed prior to commencement of the work.

As the Construction/Facilities Manager, LUSTER helps guide projects through the construction phase to ensure our clients receive the highest quality service and the best value. Our approach is often to function as the owner’s representative, providing both the organizational and technical capabilities vital to achieving project goals. Providing Construction Engineering and Inspection (CEI) Services is an integral part of our Construction Management core. With superior technical expertise, LUSTER’s size and scalability provide the agility and ability to respond quickly to our client’s needs.

Luster Brings It All Together

We provide the most cost-effective solutions, including the development of unique and innovative measures, to deliver exceptional service and value to our clients.
LUSTER's professional services are designed to achieve the client-stated objective and requirements, as well as mitigate client risk.

Providing Professional Management Services

LUSTER is prepared for the unexpected and ready to meet all aspects of any challenge. Our experienced staff, specialized skills, and depth of knowledge enable LUSTER to provide our clients with innovative solutions to complex problems. We strive for – and achieve – the successful accomplishment of the project; our goal is the total satisfaction of the client, the stakeholders, and the local community. We strive to provide project solutions that exceed the expectations of everyone involved.
LUSTER has extensive experience successfully managing and delivering construction projects to our Water/Wastewater clients. Our clients have been enthusiastic about the extra effort and expertise that our staff members provide in support of the successful completion of their projects, particularly high-profile projects that must be completed on tight budgets and aggressive timelines. In the past 26 years, the LUSTER team has worked on a diverse portfolio of Water/Wastewater projects during the entire design and construction lifecycle of wastewater treatment plants, large-diameter water pipelines, estuary plants, and recycled water facilities.

Since 1990, LUSTER has been involved in more than 300 projects. We have provided program, project and construction management services to clients needing support regarding planning, design and execution on a multitude of Water/Wastewater construction projects. Our support is reflected in the success of our clients’ projects and the satisfaction of our clients for our services. We have directly supported more than $530 million in Water/Wastewater construction projects. In addition, we have indirectly supported another $3 billion in water-related projects for the U.S. Army Corps of Engineers (USACE).

Our goal in each project is to save our clients’ money and time by assigning experienced and highly skilled engineers, scientists and managers to projects. We assign professionals who give their maximum effort to each client, helping them achieve success primarily because of their technical expertise and enthusiasm. We believe that putting the best people on every project is the key to our success.
**WATER EXPERIENCE**

**EAST BAY MUNICIPAL UTILITY DISTRICT (EBMUD)**
OAKLAND, CALIFORNIA

As prime consultant, LUSTER provided construction management support services for a $189 million program designed to strengthen the East Bay’s water system against major earthquakes in California. Projects included improving the chlorination system; strengthening existing buildings, water treatment basins, water channels, and filters; and bracing critical piping and equipment. Work also involved upgrading reservoirs strengthening pipelines and installing valves and joints. LUSTER provided construction inspection and quality assurance, resident engineering, schedule review, claims avoidance, and other construction management support to the project.

**HARBOR-SOUTH BAY WATER RECYCLING PROJECT**
CARSON, CALIFORNIA

In support of USACE – Los Angeles District and West Basin Municipal Water District (WBMUD), LUSTER provided construction management and inspection services for the Harbor-South Bay Water Recycling Project. The project involved the construction of two recycled water pipelines: the Victoria Lateral consisted of about 7,200 feet of 12-inch- to 30-inch diameter pipe; the Mainline Extension consisted of about 7,600 feet of 12-inch- to 24-inch transmission pipe.

LUSTER’s services included resident engineering, site supervision, inspection, testing and specialty inspection, and construction survey and staking. LUSTER also implemented a Construction Awareness Program for the community.

**MULTI-PURPOSE PIPELINE PROJECT (MPP)**
CONTRA COSTA WATER DISTRICT (CCWD)
SACRAMENTO, CALIFORNIA

Contra Costa Water District constructed the Multi-Purpose Pipeline Project (MPP), a 21-mile treated water pipeline. Besides increasing capacity, the project provided added flexibility and reliability to supply water following a major earthquake. The 42-inch pipeline was built primarily in the right-of-way alongside the Contra Costa Canal. LUSTER was part of the team providing construction management support services to the District. LUSTER provided resident engineering, pipeline inspection and office engineering support to the District construction management staff.

“**You Have Challenges; We Provide Solutions**”
MOKELUMNE AQUEDUCT
SEISMIC UPGRADE
STOCKTON, CALIFORNIA

LUSTER provided construction management services for this $24 million project for the East Bay Municipal Utility District (EBMUD). The project consisted of improvements to river crossings, delta levees, and pipeline joints and foundations to reduce the potential for an unacceptable potable water outage after a major earthquake.

The goal of the project was to improve the seismic performance of the most vulnerable section of Mokelumne Aqueduct No. 3, the largest and newest of the 3 parallel pipelines, so that it could be repaired and returned to service within six months of a major earthquake. The pipe is about 90 inches in diameter and has nine miles of elevated and five miles of buried pipeline. The project area was approximately 15 miles long. The pipeline conveys one hundred-million gallons of water per day, or about fifty percent of EBMUD’s water supply.

At three major river crossings in the Sacramento-San Joaquin delta, the seismic resistance of levees and pipeline were increased by placing sheet piles along 500 feet of the levee, enlarging the landward levee section, providing additional foundation support beneath a landward section of the pipeline, and by making the pipe joints stronger with the addition of welded steel butt straps across approximately 650 existing bell-and-spigot joints. The butt straps increased the strength of the joints to seventy percent of the pipe wall strength.

The levee-strengthening project lengthened the existing sheet pile wall along the longitudinal axis of the levee; constructed a shoring and bracing system so that the landside portion of the pipe could be removed and a new pile-supported concrete pipe foundation system installed; replaced the pipe and backfilling around and above it; flattened the levee landside slope adding a 250-foot toe berm on each side of the pipe; and, strengthened the existing pipe joints below the river and in adjacent buried pipes by welding an internal sawtooth butt strap across roughly 250 existing bell-and-spigot joints.

LUSTER provided a staff of several inspectors, including welding inspectors, to ensure that work was completed on time and with the required levels of quality. The project was completed three months ahead of schedule, working 24/7 for five months until the project was completed. The accelerated schedule helped avoid delays and associated costs.
WATER EXPERIENCE (cont.)

SOUTH BAY WATER RECYCLING PROGRAM
SAN JOSE, CALIFORNIA

LUSTER provided construction management services for the $160 million construction of a major wastewater recycling distribution network that addresses water shortages and protects endangered wildlife in salt marshes. The program is also designed to sell high-quality recycled water for large-scale landscape irrigation, agricultural, and industrial uses. The facilities include a 108-inch diversion pipeline; a main pumping station with seven turbine pumps (combined output 4,000 hp); and two water-booster pump stations. The project also called for the installation of 60 miles of distribution pipeline. The wastewater plant is a 167-MGD tertiary treatment plant that currently discharges into a saltwater estuary. The recycling program was driven, in part, by the environmental impact of that discharge.

LUSTER was originally contracted to perform construction management duties for approximately 17 retrofit sites. LUSTER provided the City with a weekly project status overview of construction activities; the results were presented in the meetings. Our performance on the original main sites inspired the City to extend the contract to incorporate three additional retrofit bid packages for another 111 sites. LUSTER was also involved in the planning stages of two bid packages for 27 sites, as well as provided CM services for other bid packages. LUSTER was also invited by the City of San Jose to participate in facilitating site supervisor workshops. These workshops were required by the Department of Health Services for permitting individuals responsible for the use of recycled water. LUSTER provided a presentation on cross-connection requirements according to Title 17 of the California Code.

WATER QUALITY CONTROL PLANT UPGRADE
SOUTH SAN FRANCISCO, CALIFORNIA

LUSTER provided construction management for a $50 million upgrade of the City’s Water Quality Control Plant. The upgrade increased the plant capacity from 9 to 13 MGD, and included pouring of 20,000 cubic yards of concrete in rebar-formed structure.

New plant structures included the construction of a new head-works and influent pump station, aeration basins, four flow-splitting structures, clarifiers, sludge pump station, blower building, two chlorine contact basins, two anaerobic digesters, a Return Activated Sludge/Waste Activated Sludge (RAS/WAS) pump station and flow splitting structure, a sodium bisulfite facility, a sludge dewatering building, a switch gear and generator building, 30- to 50-inch pipelines, a dewatering facility, and an operations and maintenance facility. In addition to the new facilities, the existing plant was modified and upgraded to facilitate integration into the new plant processes. The modifications to the existing plant facilities included the secondary clarifiers, effluent pump station, flotation thickeners, anaerobic digesters, piping systems, electrical systems, instrumentation systems, grading, paving and drainage systems.
WATER EXPERIENCE (cont.)

WEST BASIN MUNICIPAL WATER DISTRICT (WBMUD)
MAIN PIPELINE
CARSON, CALIFORNIA

For the West Basin Municipal Water District (WBMUD), LUSTER served as prime construction manager for a main pipeline construction program designed to provide 100,000 acre feet of reclaimed water per year to the District’s customers. The Phase II Expansion Program consists of approximately 17 miles of pipeline, including 50,000 feet of 42-inch water main transmission pipe. Due mostly to schedule constraints, the 42-inch main line was constructed concurrently in three separate bid packages, totaling $22 million. Construction duration was 255 calendar days.

During the design phase, LUSTER assisted the District with constructability reviews and construction bid packaging. During construction, LUSTER administered construction contracts and managed schedule, budget, and quality. LUSTER provided schedule and cost management, contract administration, review of progress payments, change orders, claims avoidance and analysis, on- and off-site inspections/quality control, document control and submittal management, coordination between prime contractors, project completion and close-outs, and community outreach.

WEST BASIN MUNICIPAL WATER DISTRICT (WBMUD)
BRINE LINE AND SERVICE PIPELINES
CARSON, CALIFORNIA

LUSTER managed construction of four pipelines to transmit water streams from the Carson Regional Water Reclamation Plant (CRWRP) to designated disposal points, including the ARCO Los Angeles Refinery. The four pipeline projects were:

1. **The Reverse Osmosis (RO) Water Pipeline** delivers water through a 24- and 30-inch diameter pipe to the ARCO refinery. The pipe was constructed of ductile iron protected with a specialized coating, with tees installed along the alignment to provide for future users. The pipeline was constructed by open-cut trenching, with portions installed in jacked casings.

2. **The Nitrified Water Pipeline**, built parallel to the RO pipe, also delivers water to the ARCO refinery. This pipe was constructed of 12-inch diameter ductile iron, but lined and coated with more conventional materials, such as cement.

3. **The Brine Line** carries rejected water from the RO process equipment at the CRWRP to the Los Angeles Water Pollution Control Plant, a distance of approximately 9.5 miles. This 14-inch pipeline was constructed of high-density polyethylene (HDPE) installed by both open cut trenching and microtunneling. A jacked casing was installed at one railroad crossing.

4. **The CRWRP Sewer Lateral** carries wastewater from the CRWRP biofilter process equipment to the Los Angeles Water Pollution Control Plant sewer main. This lateral was constructed of 8-inch diameter PVC.

LUSTER’s staff of Resident Engineers and Inspectors provided all construction management services necessary during construction of the four pipelines, as well as community outreach and public information.
WASTEWATER EXPERIENCE

INTERNATIONAL BOUNDARY AND WATER COMMISSION (IBWC)
NOGALES INTERNATIONAL WASTE TREATMENT PLANT (NIWTP) PROJECT
NOGALES, ARIZONA

NIWTP is the IBWC operated waste processing facility for Nogales, Mexico and Nogales, Arizona. The waste is classified as non-hazardous material. IBWC processes 75- to 100-tons of bio-solids waste daily from these communities on both of the US – Mexico borders. This is the same waste stream that the Commission now needs transported to a municipal landfill.

The sludge at NIWTP is stored in accordance with U.S. Environmental Protection Agency, Arizona Department of Environmental Quality, and local regulations. A key issue for waste storage at NIWTP is the protection of the Santa Rita River, which borders the Plant to the east.

IBWC, behind schedule and in need of emergency services, required the immediate removal of bio-sludge. Within 24-hours of receiving the IBWC 911 call, LUSTER fielded a team of subject-matter experts and had “boots on the ground”. Our crew of professionals quickly assessed the situation and provided a solution that not only addressed the transport backlog, but also ensured IBWC waste was effectively removed; thus, resulting in a process that was more efficient than the procedure previously in place.

Initially, the LUSTER Team provided two truck drivers and end-dump trailers to haul sludge from the filter press to the on-site storage area. We removed the cake directly from the filter press and transported it to an onsite storage area in its sludge form.

Due to our expeditious mobilization, exceptional contract performance and flexibility, IBWC extended this contract, in both duration and scope of work, three times. LUSTER has and continues to provide an incomparable, flexible and responsive solution for the IBWC’s bio-solid sludge removal and relocation needs.

CITY OF BAKERSFIELD
WASTEWATER TREATMENT FACILITY NO. 2
BAKERSFIELD, CALIFORNIA

LUSTER’s small project Capital Improvement Manager provided: engineering studies, project management, needs assessment, conceptual design, design management, contract development and implementation, environmental planning, cost estimating and scheduling, and master plan development.
WASTEWATER EXPERIENCE (cont.)

CITY OF BAKERSFIELD
WASTEWATER TREATMENT FACILITY NO. 3
BAKERSFIELD, CALIFORNIA

LUSTER provided assistance to the City of Bakersfield during the engineering planning, facility design, and environmental planning phases of the $115 million, 16 million gallon-per-day (MGD) advanced wastewater treatment facility upgrade and expansion. LUSTER staff provided project and design management, as well as performed engineering studies, contract development and implementation; conducted the building needs assessment and construction scheduling; assisted in the development of conceptual design, environmental planning, and master plan development; provided project cost estimating and project design.

CITY OF SACRAMENTO
COMBINED SEWER SYSTEM
SACRAMENTO, CALIFORNIA

For a $90 million, multi-phase rehabilitation of the Sacramento sewer system, LUSTER designed and developed an information distribution system to meet the needs of the Engineering Group within the Utility Department of the City of Sacramento. The system provided easy access to data, including CADD drawings, simulation models, and operation/maintenance information used to design, construct, operate and maintain the sewer system. LUSTER conducted a needs assessment to establish the system requirements. LUSTER then outlined the specification; managed development of the system; performed acceptance testing; and supervised documentation of the system.

CITY OF LOS ANGELES
HYPERION FULL SECONDARY WASTEWATER TREATMENT FACILITY
LOS ANGELES, CALIFORNIA

LUSTER provided construction management services for a new secondary wastewater treatment facility that was part of a $1.2 billion expansion and upgrade project. LUSTER designed and implemented a multi-dimensional invoicing system used by the City and project consultants on the project. The invoicing system was customized to allow the City to track multiple sources of funds against specific tasks in the consultant’s contract. LUSTER developed a staffing program used by project engineers to forecast their manpower needs over the life of this 10-year project.
LUSTER provided master scheduling services to USACE – Sacramento District, for the rehabilitation of flood-damaged levees in approximately 50 hydrologically independent sub-basins in the Sacramento and San Joaquin Valleys of California.

LUSTER analyzed existing schedules (in Microsoft Project format), resolved logic problems and scheduling inconsistencies, adjusted schedules to address physical constraints, and updated schedules on a weekly basis showing dates of completed activities. To maintain schedules, LUSTER coordinated with seven USACE project engineers, three section chiefs, and a branch chief.

In addition, LUSTER developed a scope of work for USACE staff training program on the basic features and capabilities of MS Project and its use as a scheduling and management aid, including resource usage analysis.

Existing schedules for each sub-basin included the following major elements of work and approximate number of tasks within each element:

- Project information report (8 tasks)
- Real estate analysis/documents (4 tasks)
- Environmental studies documents (16 tasks)
- Plans and specifications (7 tasks)
- Contract award documents (12 tasks)
FLOOD CONTROL (cont.)

ATCHAFALAYA BASIN  
U.S. ARMY CORPS OF ENGINEERS (USACE)  
NEW ORLEANS DISTRICT  
NEW ORLEANS, LOUISIANA

Planned and designed to relieve the Mississippi River main stem of excessive flows during major floods, the Atchafalaya Basin is part of the Mississippi River System that drains about 41% of the North American mainland.

The Lower Atchafalaya Basin Floodway is slated to safely pass one-half of the 3 million cubic feet per second flow of a Mississippi River System project design flood.

The $1.7 billion project has two major, mutually supporting goals:

- To preserve the environmental values of the Nation’s largest river, cypress and tupelo swamps, their bayous and abundant water and land species
- To ensure that the Lower Atchafalaya Basin can pass a flood of 1.5 million cubic feet per second, as required by the Mississippi River and Tributaries Project

LUSTER provided the following services to USACE District project managers:

- Prepared budget forecast and tracked project costs
- Generated project schedules
- Trained USACE project managers and other District staff on P2 (Primavera P3e, Oracle Projects, Oracle Financial Analyzer, Corps of Engineers Financial Management System [CEFMS])
- Developed WBS for major projects
- Reviewed data in P2, Oracle Projects, and CEFMS
- Analyzed project data using the District’s “Pivot Table” methodology
- Helped design the PMBP Standard Operating Procedures
- Produced written reports on project progress and how best to allocate District resources across Divisions
- Updated existing training materials with new P2 version changes
- Facilitated interactive planning sessions with the project managers and project delivery team (PDT) members
- Developed and updated project scopes and schedules
LOUISIANA COASTAL RESTORATION
U.S. ARMY CORPS OF ENGINEERS (USACE)
NEW ORLEANS DISTRICT, COASTAL RESTORATION BRANCH
NEW ORLEANS, LOUISIANA

LUSTER provides Program Management support for USACE – New Orleans District’s Coastal Restoration Branch. The focus of the Programmatic Approach is to maintain consistent project schedules and useful project scope; schedule and budget information; extract project data; and assist Corps project managers in everyday activities, as well as the transition to the Corps’ new project management system. The projects associated with the Coastal Restoration Branch are focused on wetlands restoration in order to halt the disappearance of Louisiana’s coastline.

LUSTER assists the Corps in management of individual Coastal Wetlands, Planning, Protection and Restoration Act (CWPPRA) projects, while creating new ways to view project data, resources, budget and project schedule data in an overall program role-up.

LUSTER works with USACE – New Orleans District, the Louisiana Department of Natural Resources, the U.S. Environmental Program, the U.S. Geological Survey, and academia in the management of individual CWPPRA projects. LUSTER’s role is to provide project and program schedules in USACE’s Project Management Business Process tool, P2, define project scope, and provide management assistance to ensure that the plan and its strategies are completed, approved, and constructed.

LUSTER performs a variety of training classes to ensure that the Corps staff has a fundamental understanding of scheduling and critical path methodology, which is the basis of the Corps’ new project management tools. On the Coastal Restoration project, LUSTER is providing the USACE with a complement of management support services that include:

- Project Management Training
- Project Management Business Process
- Technical Document Development
FLOOD CONTROL (cont.)

SOUTH EAST LOUISIANA FLOOD CONTROL PROJECT (SELA)
U.S. ARMY CORPS OF ENGINEERS (USACE)
NEW ORLEANS DISTRICT
NEW ORLEANS, LOUISIANA

LUSTER provided program management, project scheduling, and project information support to USACE – New Orleans District, Project Management Branch, East. In particular, LUSTER assisted in the development and maintenance of projects, as well as maintained useful project scope/schedule/budget information. We also extracted project data and assisted USACE project managers in their everyday activities.

South East Louisiana Flood Control Project (SELA) serves to improve rainfall flood control in Orleans, St. Tammany, and Jefferson Parishes of Southeastern Louisiana; additionally, it is a substantial civil works project striving to moderate the problems created by area rainfall flooding by increasing the rainwater diversion capacity of canals and pump stations.

The channel and pumping station improvements in Orleans and Jefferson Parishes support the parishes’ master drainage plans and, generally, provide flood protection on a level associated with a 10-year rainfall event, while also reducing the expensive flood damage claims for larger rainfall events.

The vast majority of the land area in Orleans Parish is below sea-level and surrounded by bodies of water, with plans to improve five major drainage lines, add pumping capacity to two pump stations, and add a new pump station. The Orleans Parish Uptown Plan will add improvements currently underway in the City of New Orleans.

Jefferson Parish plans include improvements to approximately 24 drainage canals, additional pumping capacity for four pump stations, and the addition of two new pump stations.

St. Tammany Parish plans will provide flood protection for various rainfall events, with a focus on 10-year events. Improvements in St. Tammany Parish include channel enlargements, retention ponds, levees, and structure elevation.
FLOOD CONTROL (cont.)

SANTA ANA RIVER MAINSTEM PROJECT (SARM)
U.S. ARMY CORPS OF ENGINEERS (USACE)
LOS ANGELES DISTRICT
VARIOUS COUNTIES, CALIFORNIA

LUSTER provided project control and scheduling services to USACE – Los Angeles Branch and the County Flood Control District for the Santa Ana River Mainstem Project. The Santa Ana River Mainstem (SARM) is designed to provide flood protection for residences and business in the Southern California communities of Orange, Riverside, and San Bernardino counties.

This 11-year project is one of the largest civil works projects in the country. It has an authorized cost of close to $2 billion. The project plan for SARM includes: the construction of a 550-foot high-earthen and rock-fill dam; stream channel improvements to increase flood capacity; raising the embankment of the only dam presently on the river, Prado Dam, by 28 feet; widening and deepening the 23-mile river channel between Prado Dam and the Pacific Ocean outlet in Orange County; creating a water holding reservoir on Santiago Creek and widening and deepening three major flood channels, Oak Street Drain in Riverside County and San Timoteo Creek and Mill Creek Levees in San Bernardino County.

LUSTER staff successfully managed the daily task of updating more than 5,000 resources associated with the SARM project. The team was also responsible for adding any new Work Breakdown structures and analyzing potential delays.

LUSTER RESPONSIBILITIES

On the Santa Ana River Mainstem Project, LUSTER provided USACE with a compliment of management support services that included:

- Budget Forecasting
- Schedule Forecasting
- Earned Value Analysis
- Client staff training
- Program phasing support
- Third-party stakeholder coordination in relation to budget and schedule impact to total program

"You Have Challenges; We Provide Solutions"
SPECIAL PROJECTS

RICHMOND HARBOR NAVIGATION IMPROVEMENT
RICHMOND, CALIFORNIA

This $30 million project, funded by USACE and the City of Richmond, involved the dredging of about 2.1 million cubic meters of material to deepen the Richmond Harbor channels to a depth of 38 feet, in order to attract new cargo ships and maintain existing tenants. Ninety percent of the dredged material was disposed of in an ocean zone 50 miles west of the Golden Gate Bridge. The remainder was disposed of inside the Port of Richmond.

LUSTER’s responsibilities included quality assurance and contract administration support. The accelerated QA task included a staff of inspectors for continuous 24/7 dredging and disposal operations. LUSTER’s contract administration involved office engineering and document control to assist management and implementation of a Resident Management System (RMS). Other tasks included reporting and coordination of City of Richmond, USACE, U.S. Environmental Protection Agency, and other involved parties.

POINT POTRERO MARINE TERMINAL
COVER AND PAVING
RICHMOND HARBOR, CALIFORNIA

This project involved the drying, spreading, and environmental covering of roughly 300,000 cubic yards of fill dredged from San Francisco Bay onto a contaminated former shipyard scrap area. The project also included construction of a road and berms around the site, utility installation, and slope stabilization incorporating 8,000 cubic yards of rock as part of dredged material. The work was performed under a consent order between the California Environmental Protection Agency and the City of Richmond.

LUSTER performed administrative and management functions that included contract administration, document control, change order management, contractor payment review, computerized data management system implementation, project reporting, and construction observation.
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STATEMENT OF QUALIFICATIONS

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