

SPIROS A. LAZARIS, PE

GLOBAL INFRASTRUCTURE CONSULTANT

1 of 7

Westlake Village, CA, USA
Mobile: +1 (818) 268-3917
E-mail: spiros.a.lazaris@gmail.com
www.spiros-lazaris.com

EXECUTIVE SUMMARY

I am an *accomplished professional* with over 25 years of diverse experience in the areas of Civil Engineering, Geotechnical Engineering, Program Management, and Project Management for Public Works Infrastructure Projects and Land Development. I have provided leadership and direction to senior-level engineers, consultants, and contractors. I have planned, analyzed, developed and directed all aspects of large and complex public works projects by reviewing, scheduling, and directing the scope of work; and developing design and construction documents, resource management and cost control on capital improvement projects for large municipalities. I established the goals and criteria by which public works projects are planned and designed. As Program/Project Manager, I managed all phases of highly complex projects such as the design-build Water Treatment facility, Charnock Well Field Restoration Project. I designed and conducted construction management for all geotechnical work on 24 public branch libraries and four of the largest police stations for the City of Los Angeles.

I am the founder and principal of *Spiros Lazaris Engineered Solutions L.L.C.* where I provide specialized consulting services for public infrastructure used for the conveyance of people, vehicles, basic energy and commerce in areas of the sub-Saharan African region. Additionally, I provide mentorship to engineering students and professionals globally.

EXPERIENCE

Spiros Lazaris, Engineered Solutions L.L.C.

Principal

[Oct. 2013 – Present]

I. Infrastructure Improvements, Evaluation, and Assessment

Assess existing conditions of public infrastructure capital assets and develop feasibility studies for improvement and recovery for road networks, water management, sewage collection and disposal of waste water, and flood control systems in the remote, complex and challenging environments of the sub-Saharan African region.

- Systematic capture of critical data utilizing asset management tools and production analysis are used to assist in the determination of action plans and level of study required to improve the current infrastructure conditions
- Efficient and sustainable infrastructure designs are implemented that conserve, restore, and replenish local resources to facilitate and connect local villages, townships and communities while providing commodities and services essential in maintaining and enhancing the local quality of life with clean water and decent livelihoods

II. Consulting services to architectural and engineering firms

- Provide specialized consultation to architectural/engineering companies
- Develop and structure RFP/RFQs for Public Agencies and Government projects
 - Review, analyze, evaluate, develop matrix criteria, and rate proposals on RFP/RFQs for Public Agencies/Government projects; make recommendations for candidate selection
- Develop and structure responses for Clients to RFP/RFQ developed by Public Agencies
 - Review and evaluate RFP/RFQs developed by the Public Agency
 - Provide RFP/RFQ analysis and method of response
 - Prepare and formulate response strategies for interview presentations

American Society of Civil Engineers: *Committee on Sustainability*

Member: Strategic Communications Committee

[2013 – Present]

The ASCE recognizes sustainability as a set of environmental, economic and social conditions in which all of society has the capacity and opportunity to maintain and improve its quality of life indefinitely without degrading the quantity, quality or the availability of natural, economic and social resources.

- The strategic communications committee promotes and foster's a culture consistent with the principles of sustainability in ASCE through awareness and understanding of sustainability via developments that "meet the needs of the present without compromising the ability of future generations to meet their needs."

Mandela Washington Fellowship for Young African Leaders

Evaluator and Reader

[2013 - Present]

President Obama's Young African Leaders Initiative (YALI) was created to support young African leaders in academic coursework and leadership training as they spur growth and prosperity, strengthen democratic governance, and enhance peace and security across Africa. This initiative will create unique opportunities in Africa to put those new skills to practical use in leading organizations, communities, and countries. I serve as a reader, scorer and evaluator for all YALI applicants.

World Mentor

Everwise

[2013 - Present]

Provide the opportunity through strategic mentoring in raising achievement levels in the professional career of young engineering employees and students by enhancing their talents to the fullest through positive skill development.

- *Young Engineers/Students:* Assist in demonstrating the values of engineering employees and students by investing in their professional development
- *Employers:* Developing public agencies into "employers of choice" by working with the local communities to develop reputations that will attract partnerships between the communities and local governments

City of Santa Monica, Public Works Department

Program Manager

[May 1999 - Oct. 2013]

Supervised work activities of technical staff in the design of Public Works projects; provided technical expertise and support to professional and support staff and advice to other City departments; motivated, provided leadership, evaluated and trained professional and support staff; managed work related to the Telecommunications Act and City Ordinances for work within the public right-of-way by developers and franchises with utility companies; Prepared and reviewed preliminary budget estimates for Capital Improvement Projects;

Provided direction to staff on specialized designs and complex engineering projects; coordinated the preparation of contract documents and specs.

Responsible for the management and delivery of large multifaceted complex projects requiring intense project management skills to fulfill the requirements for the design and construction of all necessary tasks.

- Dedicated to and focused on managing the *total* process of the design development and construction management of all capital improvement projects
- Planned, supervised and organized the work for professional and technical staff engaged with the CIP projects; provided leadership to staff; selected, managed, trained, motivated and evaluated technical and support staff
- Interacted with various Public Agencies to insure that all design requirements were met
- Set and confirmed project schedules by planning, milestone setting, and meeting with the project's internal and external stakeholders
- Ensured that roles and responsibilities of all stakeholders were clearly defined by negotiating agreements with each functional team leader
- Ensured that the requirements of the client department/division were incorporated in the design and full communication (horizontally and vertically) was maintained throughout the duration of the project
- Established scope of work, budget and schedule on all projects; developed RFQ/RFPs; and coordinated work with consultants retained by the City for professional engineering services
- Prepared, reviewed and approved budget estimates for Capital Improvement Projects
- Provided budget recommendations for multi-year CIP of public works programs
- Reviewed and prepared engineering designs for all CIPs
- Prepared and oversaw technical staff reports and information items for the City Council
- Reviewed every Public Works plan check submitted to the City for review and approval from private firms and developers

Capital Improvement Projects Completed:

- Gateway Coastal Corridor Project
- Riviera Reservoir Rehabilitation
- SMURRF II Systems and SMURRF III Systems
- Big Blue Bus Facility Expansion
- Centinela Avenue Mitigation Systems
- Watershed Management Plan
- 20th Street and Cloverfield Boulevard Improvements
- Fluoridation Systems
- SM Palisades Bluffs Improvement
- City Yards Land Field Project
- Santa Monica Pier Bridge Improvements
- 20th Street and Cloverfield Boulevard Improvement
- Woodlawn Cemetery Sewer System and Paving Improvements
- Watermain Replacement Project
- Wastewater Main Replacement Project
- Borderline Neighborhood Improvement Project
- 502 Colorado Boulevard Rainwater Harvest Project
- California Incline Bridge Replacement
- Bluffs Stabilization Improvement Project
- Charnock Well Field Restoration Project [Design-Build]

Charnock Well Field Restoration Project, Water Treatment Plant [Design-Build]
[10/07 – December 31, 2010]

Design-Built national award-winning project involved with the implementation of a water treatment facility to remove MtBE contamination from the Charnock groundwater sub-basin and restore this resource as a water supply for the City of Santa Monica.

- Responsible for the design and development of a new drinking water treatment facility. Due to the multiple complexities of the project, the responsibilities included the management for all project components from concept to completion, project scope, schedule and budget. In that capacity, with the support of ad hoc committees I developed the structure that lead to the construction of the Charnock Well Field Restoration Project.
- Additionally, I provided full project management and administrative support to multiple contracts assisting in the delivery of the Charnock project:
 - Black and Veatch Corporation (Design-Build)
 - Black and Veatch Corporation (Professional Service Agreements)
 - RINCON Consultants Inc. (Environmental Process)
 - Environ Corporation (Ground Water monitoring)
 - WorleyParsons Komex (TOSS -Technical Oversight and Support Services)
- Responsible for the entire design consultant selection process for the Charnock Well Field Restoration Project which included preparation of the RFQ/RFP, interviews, consultant selection process, staff reports, contract negotiations, contract execution and notices to proceed
- Developed with the cooperative effort of the Project Committee (EPWM Director, City Engineer, Water Manager and various City staff) the MASTER schedule for the Charnock Well Field Restoration Project. This complex schedule was based on evaluation of critical information collected from a variety of sources- Consultants (Technical experts); Divisions (CEA, Water Resources)
- Developed the Project Budget Report that assigned an account number to every major component of the project. The Project Budget Report tracks the project budget and is developed with the cooperative effort of the Finance Department
- Developed the Project Risk Register that details the project management risks; probability of occurrence; consequence of occurrence and the corresponding risk management strategy for the Charnock Well Field Restoration Project
- Developed the Critical Path Schedule of the project that identifies tasks on the critical path. A delay in any task on the critical path can have a significant impact on the project deadline
- Developed the Staff Management Plan to make certain that the Charnock Well Field Restoration Project has sufficient staff that possess the correct skill sets and experience to ensure a successful project completion
- Created ad hoc committees with key staff to provide solutions to critical issues that needed policy and direction on the Charnock Well Field Restoration project:
 - Consultant Selection ad hoc committee

- CEQA ad hoc committee from the City Attorney's office
- City Planning ad hoc Committee
- Department of Public Health 97-005 Policy Ad hoc committee with WRD staff
- NPDES ad hoc committee consisting of staff from Water Resources Division
- Contract specifications ad Hoc committees
- Engineering ad hoc committees for technical advice
- Advisory ad hoc committee

***City of Los Angeles, Department of Public Works, Bureau of Engineering
Street Improvement Division***

Project Manager [1994-1999]

As a Project Manager trained specifically in Strong Project Management, I was the focal point for the delivery of individual capital improvement projects detailed in the City's Five-Year Plan within the Street Improvement Budgetary Program.

- Managed major and complex capital improvement projects from start to finish. The projects constituted all street improvement and geotechnical related projects
- Ensured from the onset that expectations, roles and responsibilities were established through formalized specific agreements in which all stakeholders and service providers committed to project scope, budgets, and schedules for the various components of project delivery
- Developed the *Memorandum of Understanding* for each project and defined the Scope, Budget and Schedule along with the objectives of the Client Agency
- Oversaw the project budget and schedule on behalf of the project team which included people in numerous Functional/Technical Teams: engineers/ architects/ geologists/ designers who prepared project plans; environmental staff; estimators; bid and award specialists who determined that the lowest responsive, responsible bidder was awarded the contract; personnel who performed construction management services; and staff who estimated and negotiated change orders during construction
- Set the *Project Budget* by planning Realistic Time Frames through thorough knowledge of the Scope, Hard and Soft Costs and Cost Templates and identify sources of funding (FEMA, FHWA, Local Transportation Funds and Gas Tax)
- Ensured that roles and expectations are clearly defined by negotiating agreements with each Functional/Technical Team Leader
- Performed *Cost Analysis* evaluation for each project

Structural and Geotechnical Division

Geotechnical Engineering Associate [05/86 - 10/94]

In the capacity of a *project manager* for all Municipal Facilities geotechnical-engineering projects, I had the overall responsibility from proposal preparation to final report submission for numerous geotechnical, foundation, and seismic projects within the City of Los Angeles (CLA).

SPIROS A. LAZARIS, PE

GLOBAL INFRASTRUCTURE CONSULTANT

6 of 7

- Responsible for the planning, development, coordination, design and construction of large multifaceted geotechnical / foundation engineering projects such as municipal facilities (Police Stations, Public Libraries and Fire Stations), general Infrastructure projects (Sanitary Sewers and Storm Drains), *pavement design* and *construction management* under the control of the Department of Public Works, performed under contract
- Reviewed the work of Geotechnical Engineers, Engineering Geologists as well as task groups composed of lower level engineers and technicians engaged in geotechnical work. Directed the work of private consultants to the CLA, assigned to perform deputy grading inspection in various CLA facilities under construction

My specific analytical capabilities included bearing capacity and settlement calculations, spread footings and pile design, slope stability studies, shoring and tie-back design, backfill recommendations and geotechnical design, massive grading/earthwork recommendations and rigid/flexible pavement design for major streets.

Projects Completed:

- Junipero Branch Library
- Echo Park Branch library
- Pio Pico Branch Library
- Robertson Branch Library
- Venice Branch Library
- Northridge Branch Library
- San Pedro Branch Library
- Fremont Branch Library
- Los Feliz Branch Library
- Cajuenga Branch Library
- Watts Branch Library
- 76th Street Police Station
- North Hollywood Police Station
- Emergency Vehicle Operations Center

Los Angeles County Flood Control District, Design Division - Flood Control Element *Civil Engineering Assistant [02/84 - 05/86]*

- Designed significant flood control systems; storm drains, open channels, debris and retention basins, crib dams and erosion control devices. Prepared preliminary and final contract plans
- Assigned to the *emergency storm damage task force* to investigate and provide solutions to storm damage issues

Cunico Corporation, Wilmington CA **Project Engineer** *[1/82 - 2/84]*

- TRIDENT Nuclear Submarine Class - designed and prepared specs for hydraulic systems applicable to the US Department of Defense marine environment such as heat exchangers, high pressure valves and pipe fittings utilizing military, commercial and ASTM specifications
- Designed pipe fittings and valves for Mil-Spec standards for the Department of Defense (DOD), United States Navy (U.S.N.), and NAVSEA
- Designed and developed new methods of manufacturing and product design for various copper-nickel metal percentages

SPIROS A. LAZARIS, PE

GLOBAL INFRASTRUCTURE CONSULTANT

7 of 7

EDUCATION

- MPA - Masters of Public Administration, CSU Northridge, CA, USA
- MSCE (*Geotechnical*) - Master of Science in Civil Engineering, CSU Long Beach, CA, USA
- BSCE - Bachelor of Science in Civil Engineering, The University of Akron, Ohio, USA

REGISTRATIONS

- Registered Professional Civil Engineer in the State of California
- ENV SP – Sustainability Professional

AWARDS

- 2012 - APWA, National Award, *Project of the Year Award*:
Water Treatment Plant & Charnock Well Field Restoration Project
- 2011 - DBIA (Design-Build Institute of America), *Project of the Year Award*:
Charnock Well Field Restoration Project
- 2010 - APWA, Southern California Chapter, *Project of the Year Award*:
Water Treatment Plant & Charnock Well Field Restoration Project
- 2006 - Master of Public Administration with “Distinction”
- 2003 - PTI Technology Solutions Award - EMIGA
- 1999 - City of Los Angeles Mayor’s Award – “Construction Program of the Year”
- 1988-90 Included in the *Who’s Who Among Young American Professionals*

LECTURER

- 2004 “Guest Lecturer” at Beijing Institute of Technology, China – Optimum Project Mgmt.
- 2004 “Guest Lecturer” at Normal University, Shanghai, China – OPM

PUBLICATIONS

- “Is Design-Build Right for You?” *Design-Built for Water and Wastewater Projects*, American Water Works Association, Chapter 30, 2012
- “Case Study: Intergovernmental Relationships (Within the Public Right-of-Way),” *Update: Los Angeles Metropolitan Chapter*, The American Society for Public Administration, Fall 2007

CERTIFICATIONS

- Health and Safety for *Hazardous Materials*, UCLA
- Strong Project Management, VANIR Const. Management Inc
- “Project Management Implémentation”, Deloitte & Touche Inc.
- “Organizational Management”, Deloitte & Touche Inc.
- Evaluator: Safety Assessment Program (SAP) -Governors Office of Emergency Services

PROFESSIONAL AFFILIATIONS

- Member of the American Society of Civil Engineers
- Member of the American Society of Public Administration