

Firm Profile

Entech Consulting Group specializes in environmental and project/construction management support services in the Western United States. We are a woman-minority owned small business with offices in Southern California and the Pacific Northwest.

Entech's staff has managed environmental studies and environmental documentation in support of preliminary engineering and final design, provided permitting oversight after environmental approval from state and federal agencies, and provided on-site environmental compliance monitoring for roadways, bridges, Port projects, toll roads, HOV expansions and industrial facility operations.

We augment our clients staff with construction management services in the areas of project and contract administration, office and field engineering, project and document control, scheduling, environmental compliance support and inspection services with specific knowledge of standard construction management practices and familiarity with agency policy and procedures to adhere to construction conformance requirements.



MODERNIZATION:

- Optimization Review
- Testing, Balancing and Commissioning of all Systems
- Coordination for Design Modification from Structural to Electrical to Civil Projects
- Coordination with client and final design modifications implementation as directed.
- Determination of viable alternative design schemes for the project needs.
- Scope of work development for selected design schemes

DAILY OPERATION:

- Develop Operation and Maintenance Plan
- Compliance Plan Development
- Minimization of Waste
- Environmental, System and Equipment Audits
- Energy and Water Conservation

CONSTRUCTION AND DEVELOPMENT:

- Environmental Compliance Monitoring
- Construction Management and Design
- Construction Inspection
- Develop Permit Language
- Negotiate Permit Compliance Conditions

DESIGN AND PLANNING:

- Evaluate Potential Environmental Impacts
- Review Regulatory Requirements for Applicability
- Prepare Permit Applications
- Provide Recommendations for Incorporating
- Evaluate Equipment Costs
- Identify Plant Design Features to Reduce Environmental Impact

*Our Purpose....
 "To offer common sense,
 cost-competitive
 environmental consulting to
 assist our clients in
 protecting the environment
 throughout the growth of our
 customers' business."*

An 8a/MWBE/SBE/DBE Certified Company

CONTACT INFORMATION:

Michelle A. Jones, President
 43410 Business Park Dr., Temecula, California 92590
 Tel: (951) 506-0055 w Fax: (951) 506-0102
www.entechnorthwest.com

Entech packages its services to support each step of your growth process.

Entech Overview

Entech Consulting Group's genesis begins in 1993 where we set out to create a company where clients could have the experience of having a partner in business that utilized their expertise to develop solutions and provide technical services that gave them useful assistance in achieving their goals in the midst of a competitive global economy. Entech's vision is to create a relationship with our client that lends to understanding what the client is trying to achieve, and aligning Entech's services to assist them in achieving their goals.

The principals believe that for Entech to succeed the company needs to look at the problems that face each client, take a holistic approach to considering all factors the client faces and to develop a solution and assign resources to resolve those problems. One of the key philosophies of Entech is being user friendly and responsive to client needs resulting in building trust for long-term relationships.

Entech's vision and philosophy proved invaluable to our first client, a paper coating facility. This facility needed assistance with their air quality permit application that was required for compliance with an air operating permit program. After meeting with the client and touring the facility, Entech identified that they qualified to opt out of the program altogether by redesigning their afterburner to more efficiently destroy methanol emissions, saving the client money while minimizing air pollution from their facility. This facility referred Entech to other companies within the industry expanding the reach of our environmental services.

Our Mission

To offer specialized environmental, program, project and construction management consulting to develop solutions and provide technical services that achieve client goals while protecting the environment responsibly throughout the growth of our client's business cycles.

During the 1990's Entech's services grew with our client's needs, spurred by economic and environmental factors. Our company added new programs and services along with an expanding client base, to include not only the private sector but public works agencies as well. An example of one of our key public works clients is Sound Transit, which was formed as an agency in 1996 with the mission of offering Light Rail, Commuter Rail and Enhanced Regional Bus service to the Pacific Northwest. Since Sound Transit's inception, Entech has partnered with them over the last decade in being their resident air quality and noise expert on preliminary engineering and environmental documentation efforts. Today, Entech continues to assist Sound Transit in preparing their projects for construction and overseeing construction.

In 2001, Entech expanded into Southern California where our headquarters are now located. Entech maintains an office in the Seattle/Tacoma area to continue to serve clients in the Pacific Northwest. Our geographic expansion efforts to expose additional clients to our vision has proven to be successful. We have added to our client base additional public works agencies in the areas of water facilities, schools and port districts continuing to provide environmental, program management and construction management services.

Entech is experienced in preparing environmental documentation for a variety of projects in California that have design elements that deal with roadways, bridges, ports, toll roads, HOV expansions and industrial facility operations. After we complete the necessary environmental approvals and securing permits we provide specialized construction management support services to see clients through to completion.

An 8a/MWBE/SBE/DBE Certified Company

CONTACT INFORMATION:

Michelle A. Jones, President

43410 Business Park Dr. , Temecula, California 92590

Tel: (951) 506-0055 • Fax: (951) 506-0102

www.entechnorthwest.com

Primary Principles

Relationships

Through a driving commitment to excellence and sheer determination, Entech has built a reputation by providing unparalleled service, attention to quality and a flexible approach to addressing the specific needs of each client and projects building strong long-term relationships.

Knowledge

Entech ensures that we continue our track record of success by continuing to enhance our knowledge about the key factors our clients face by participating on industry boards, commissions and organizations to gain perspective of agency policy decisions.

Staff Excellence

Entech utilizes recruitment, retention and development to ensure that each staff member applies their considerate expertise to develop solutions that achieve client goals. This is accomplished by utilizing our proprietary management tool, Entech Management System (EMS), that affords an objective measure to meeting clients' staffing needs. EMS can rank each candidate's qualifications and skills based on education, project experience, specialized expertise and professional certifications against a matrix of position requirements. Each candidate is then scored based on industry requirements for job positions, client expectations and job requirements and on Entech's own exacting standards.

Entech also encourages professional development and training to better service its clients and rewards employees who contribute to business growth and development.

Partnering for Future Success

Our focus on the Entech/Client relationship is the key to our continued success – linking our business goals to our clients' needs. As Entech continues to grow and expand, our commitment is to continue to provide our clients with a resource to solving environmental problems. Our goal is to keep the clients' interests at the forefront by providing specialized environmental, engineering and construction management support services from the planning stage to construction. Being responsive to our client's needs, being user friendly, thinking "out of the box" for client solutions and building trust for long-term relationships is the evolution of Entech Consulting Group.

Our Services

- Environmental Management
- Environmental Permit Development
- Construction Management
- Specialized Air Quality & Noise Studies
- Office Engineering
- Project Administration
- Field Engineering
- Contract Administration
- Project Controls
- Project Scheduling
- Specification Writing
- Configuration Management
- Document Control
- Quality Assurance/Inspection
- Environmental Compliance Support
- Database Management

Our ability to support clients through all phases of business growth relies on technology to enhance responsiveness to client needs and to effectively communicate project status, often exceeding our clients expectations.

Final Design Environmental Support Service Projects



Tacoma Link Light Rail Final Design Environmental Assessment Review

Incorporating final design elements into the permitting process to prepare final permit documentation is a critical element in preparing project plans for construction. Entech worked with the engineer of record, Huitt Zollars, to support the land use permitting efforts for the \$10 Million design segment of Link Light Rail for Sound Transit. Entech provided third party coordination with DCLU, SEATRANS, DOE, WSDOT and other local and state permitting agencies to gain consensus on the land use permitting approach for the project. Entech assisted with permit development of Master Use Permits, General Permits, Street Vacations, Temporary/Permanent Easements, Utility Permits, and Project Construction Permits for Contractors.

Entech provides key environmental follow up during final design and construction after the Record of Decision has been received from federal agencies for mega civil infrastructure projects. The Tacoma Link Light Rail Project consisted of the construction of a rail line with five stations serving major destinations and providing connections to regional and local bus service, commuter rail services and Amtrak. Environmental Assessment Review was required to address new regulatory requirements affecting environmental sensitive areas impacted by incidental storm water discharge. Entech provided a review of applicable regulatory requirements and Environmental Impact Statement commitments from federal, state and local agencies to define required permits, mitigation approaches and Best Management Practices that should be implemented. In addition, Entech determine drainage requirements and environmental impacts based on drainage and erosion reports to sensitive areas.



An 8a/MWBE/SBE/DBE Certified Company

CONTACT INFORMATION:

Michelle A. Jones, President

43410 Business Park Dr.; Temecula, California 92590

Tel.: (909) 506-0055 ♦ Fax: (909) 506-0102

Supporting Environmental Construction Monitoring

Entech Consulting Group continues supporting our clients during construction to ensure compliance to environmental permits. Entech provides critical environmental monitoring support to assist our clients in minimizing construction impacts to surrounding communities and to demonstrate compliance to permit requirements.



Entech Consulting Group develops construction mitigation plans to minimize community concerns.

Pre-construction Noise Monitoring for Link Light Rail-Sound Transit

For the preliminary staging required for construction of the Link Light Rail, a noise variance was required to allow construction to occur during night hours. Entech led the effort of providing the noise monitoring needed to determine the baseline noise levels in the community affected by the staging activities. Noise monitoring was conducted during construction to determine noise levels at affected properties. A construction noise analysis was developed to support the noise mitigation required during construction during nighttime hours.

SR 125 Toll Road Project Temporary Noise Wall Evaluation

Entech Consulting Group supported the development of a noise mitigation plan during construction to ensure that residences were not impacted by increased noise levels during construction. We lead the development of the noise mitigation plan by meeting with agency staff and contractors to identify construction sequencing, equipment usage, construction operation hours, and state and local code requirements. This plan built consensus on defining an approach to noise mitigation. The mitigation plan encompassed performing a construction noise impact analysis, proposing temporary mitigation measures, working with area residents to ensure that their concerns were incorporated into noise mitigation approaches, and articulating to the contractor what actions were required to meet environmental compliance requirements. The mitigation plan and construction noise analysis represented proactive steps to ensure that the contractor was aware of what is required to stay in compliance as construction progressed to alleviate community concerns.



An 8a/MWBE/SBE/DBE Certified Company

CONTACT INFORMATION:

Michelle A. Jones, President

43410 Business Park Dr. , Temecula, California 92590

Tel: (951) 506-0055 ♦ Fax: (951) 506-0102

www.entechnorthwest.com

Supporting Local Departments of Transportation

Entech Consulting Group has provided construction inspection, project administration and project management services to augment major DOT programs across the Western United States. Agencies we have served include Caltrans, WSDOT and local cities and counties in Southern California and Washington State.



Caltrans On-Call Construction Engineering Services District 7 & 8

Entech Consulting Group is providing on-call, on-site professional and technical engineering services for a variety of Caltrans-proposed transportation facilities requiring development and construction. Entech will be providing engineers who will be performing these following services:

- Performing Assistant Resident Engineering tasks which include construction inspection, measurement calculations, grade and alignment verifications, safety and project specification compliance.
- Proactively managing construction processes for expedited trouble resolution, including cost analysis and tracking.
- Ensuring that safety and regulatory protocols are adhered to by project staff, to ensure the well-being of the project participants as well as the affected public.
- Completing and maintaining all necessary documentation of the construction activities.
- Assisting in updating all pertinent documents and As-Built plans at the completion of the project.
- Performing incidental surveying and field measurements as requested by the Project Manager.
- Assisting in the development and maintenance of a Storm Water Pollution Plan.



Alaskan Way Viaduct Program Management Services-Seattle, WA

Entech Consulting Group is supporting the engineering effort of this multi-billion dollar (potentially one billion dollars) project by providing project administration services for the project. Our staff reviews invoices for over twenty sub-consultants to ensure accuracy, expense back-up, and compliance with the Washington State Department of Transportation (WSDOT) contractual terms. Invoices are entered into a customized Oracle application, from which final invoices are produced and forwarded with a progress report to WSDOT. Our staff assists the Operations Manager with project supplements, sub-consultant payments, and other accounting and contractual matters.

We manage the content and users of the project's web page, and train new users on the use of the site (currently there are 220 users on this collaboration and communications site). We assist the project manager and senior staff on special projects, organize team-building activities, and supervise document control for the project.

In addition, our staff serves as the Office Manager, controls all documents, and supports the Project Administrator, Project Manager, Engineering, and Design Plan Leads. Our staff prepares meeting minutes and agendas for the weekly core team meetings, maintains the AWV and Seawall project library, edits and distributes project deliverables to WSDOT and the City of Seattle, and provides administrative support for more than 30 project staff members.

An 8a/MWBE/SBE/DBE Certified Company

CONTACT INFORMATION:

Michelle A. Jones, President

43410 Business Park Dr., Temecula, California 92590

Tel: (951) 506-0055 ♦ Fax: (951) 506-0102

www.entechnorthwest.com

Supporting Transit Agencies



Sound Transit Link Light Rail Civil Facilities Contract-Seattle, WA

Entech Consulting Group has provided staff support to Sound Transit for the Central Link Light Rail Civil Facilities contract over the last eight years. Entech has lent its expertise to develop environmental documentation to demonstrate compliance with applicable environmental regulations, secured permits for construction, conduct on-going environmental mitigation work and project administration to support pre-construction documentation for approval for the project to proceed to construction. Over the course of the project, we have support multiple task orders by providing project administration support staff in the areas of document control, administrative and project support, project control, and environmental compliance.



Tukwila Construction Management-Seattle, WA

Entech Consulting Group is providing construction management support services for the C710 line segment of Link Light Rail in Tukwila for the Construction Management Consultant (CMC). This project is federally funded partially by the U.S Department of Transportation, Federal Transit Administration (FTA). Entech is providing project control, office engineering, contract administration and document control services for the project.

Over Entech Consulting Group's history we have been involved in major transit programs. As highlighted below, we have demonstrated our ability to align our services to support Sound Transit with their major transit program, Sound Move, from planning, design and permitting through construction.



Beacon Hill Tunnel Construction Management Services-Seattle, WA

Entech Consulting Group is providing construction management support services for the C755 line segment of Link Light Rail for the Construction Management Consultant (CMC). This project is federally funded partially by the U.S Department of Transportation, Federal Transit Administration (FTA). The C755 contract is the construction of aerial and at-grade guide way and the station at S. 154th St. Work will include at grade, retained fill, retained cut and aerial guide way, rain installation, construction of an elevated station, installation of systems civil infrastructure, utility installations, landscaping and other tasks. Entech providing project control, office engineering, contract administration and document control support services.

An 8a/MWBE/SBE/DBE Certified Company

CONTACT INFORMATION:

Michelle A. Jones, President

43410 Business Park Dr., Temecula, California 92590

Tel: (951) 506-0055 ♦ Fax: (951) 506-0102

www.entechnorthwest.com

Supporting Water Agencies

Entech Consulting Group brings the necessary mega project delivery experience, specialized staff expertise, familiarity with local agency environmental requirements and internal management service delivery systems to provide consistent, responsive environmental and construction management support services to the Water Authority. Our inspection staff brings specialized certifications and experience in field engineering, management of quality assurance programs, contractor oversight, specification conformance and field documentation to support project owner standards during construction. Projects highlighted below demonstrate Entech's ability to provide as-needed inspection services to oversee contractor work during planned shut-downs.

Relevant Previous Performance – Colorado River Aqueduct Shutdown On-Call Inspection Services Phase I

During Phase I of Iron Mountain, Gene and Hines Intake plants, Entech provided field electrical and mechanical inspectors to conduct field inspection of contract work. We reviewed Southern California Metropolitan Water District (MWD) specifications for contractor work and oversaw contractor installations and repairs. We sited compliance or non-compliance to contractor specifications on daily reports. Our inspector reports, with photo documentation, were compiled and submitted to the lead MWD field inspector for review and to resolve dispute of work issues.

Our deliverables included inspection reports, progress reports, status updates, progress payment/extra work/changes recommendations, field office correspondence, historical report/data and survey records/data, as-built drawings.



Relevant Previous Performance – Colorado River Aqueduct Shutdown On-Call Inspection Services Phase II

Electrical and mechanical inspectors were recalled to support Phase II contractor work. Our services provided during Phase I were duplicated. Additionally, field inspection entailed overseeing refurbishing drive components of head gates, furnishing and installing new motor drive systems and associated power and control cables, installing a new electrical power distribution system, removal of existing electrical equipment and corroded, embedded and exposed floor conduits, and, installing stainless steel ladders with prevention systems for access from deck to invert of Head Gate transition structure surge chambers at Intake plants.

As-Need Inspection Support Services

San Diego County Water Authority (SDCWA) required support for as-needed projects and emergency repairs of pipelines. This contract is being used to provide special construction management services such as claims support and to provide management flexibility to maintain staffing level on projects in response to consultant or Water Authority staff separation or reassignment. Entech is part of the RW Beck team to provide Supplemental Field Inspection Services and Contract Administration services in response to the SDCWA – San Vicente Tunnels Projects. Entech provides administration support and document control staff members who have experience with systems and procedures with Information Systems, Document Control, Estimates, and Project Management.



An 8a/MWBE/SBE/DBE Certified Company

CONTACT INFORMATION:

Michelle A. Jones, President

43410 Business Park Dr., Temecula, California 92590

Tel: (951) 506-0055 ♦ Fax: (951) 506-0102

www.entechnorthwest.com

Supporting School Districts



LAUSD Existing Facilities Construction Management Program Los Angeles, CA

Project Description

The Los Angeles Unified School District (LAUSD) is currently engaged in the largest school construction building program in our history. Over the next ten to 12 years LAUSD will complete the construction of 155 new schools to accommodate explosive growth in Los Angeles student population. New schools and site expansions will require the acquisition of over 450 acres of land, some of which we have already acquired. The total estimated cost of the Master Plan program is approximately \$11.2 billion dollars. Funding has been identified from various sources including State Proposition 1A bonds, local Proposition BB Bonds, and developer fees.

Solution:

Entech Consulting Group is supporting LAUSD Existing Facilities Construction Management Program by providing qualified construction management support personnel in the areas of Office Engineers, Project Analyst, Project Managers, Construction Managers, Owner's Representatives and Project Controls.

Benefits:

Staff placement to meet owner requirements
Recruitment resources for identifying Construction Management talent in school construction
Experienced staff with expertise in project Administration, LAUSD computer systems and CM procedures
Co-located work environment

An 8a/MWBE/SBE/DBE Certified Company

CONTACT INFORMATION:

Michelle A. Jones, President

27740 Jefferson Ave., Suite 230 , Temecula, California 92590

Tel.: (951) 506-0055 ♦ Fax: (951) 506-0102