



1055 E. Colorado Blvd., Ste. 500 / Pasadena, CA 91106

Ph. (323) 797-1498

June 16, 2015

Mr. Ron Dragoo
Principal Engineer
City of Rancho Palos Verdes
30940 Hawthorne Boulevard
Rancho Palos Verdes, CA 90275

**RE: MNS Engineers Statement of Qualifications and Standard Schedule of Fees
On-Call List for Public Works/Engineering Services**

Dear Mr. Dragoo,

Thank you for the opportunity to provide the enclosed Statement of Qualifications with our Standard Schedule of Fees. MNS Engineers is ready to serve the City of Rancho Palos Verdes for any of its engineering consulting needs. We are a full-service firm with capabilities in planning, design, construction management, and surveying.

Our office is located in Pasadena, so I am readily available to direct business on behalf of the City. In addition, my professional background includes a prior 28 years of service with the County of Los Angeles with a broad understanding of public works services and needs in the Greater Los Angeles Region. Our team of civil engineering professionals has similar long-term experience in serving municipalities throughout California.

We look forward to the City of Rancho Palos Verdes considering MNS Engineers for any upcoming engineering and public works service needs.

Sincerely,

MNS Engineers, Inc.

A handwritten signature in black ink, appearing to read "Greg Jaquez", is written over a light blue horizontal line.

Greg Jaquez, P. E.
Principal Project Manager
(323) 797-1498 DIRECT
gjaquez@mnsengineers.com

Encl. [MNS Statement of Qualifications, Standard Schedule of Fees]

GAJ:gaj

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mnsengineers.com

TRANSPORTATION / WATER RESOURCES / GOVERNMENT SERVICES / FEDERAL



STANDARD SCHEDULE OF FEES

Project Management

Principal-In-Charge	\$240
Senior Project Manager	220
Project Manager	200
Project Coordinator	120

Engineering

Principal Engineer.....	\$200
Supervising Engineer	185
Senior Project Engineer.....	170
Project Engineer.....	150
Associate Engineer	135
Assistant Engineer	110
Engineering Intern.....	95

Surveying

Principal Surveyor.....	\$200
Supervising Surveyor	185
Senior Project Surveyor.....	170
Project Surveyor.....	150
Senior Land Title Analyst.....	130
Assistant Project Surveyor.....	125
Party Chief	140
Chainperson.....	120
One-Person Survey Crew.....	180

Technical Support

CADD Manager.....	\$140
Senior GIS Analyst.....	140
GIS Analyst.....	120
Supervising CADD/Engineering/GIS Technician..	120
Senior CADD/Engineering/GIS Technician	110
CADD/Engineering/GIS Technician	100

Construction Management

Principal Construction Manager.....	\$200
Senior Construction Manager.....	185
Resident Engineer	170
Structure Representative.....	160
Construction Manager.....	150
Assistant Resident Engineer	145
Construction Inspector (PW)	138
Office Engineer	105

Municipal Services

City Engineer	\$200
Deputy City Engineer	185
Assistant City Engineer	175
Plan Check Engineer	160
Permit Engineer	140
City Inspector	125
City Inspector (PW).....	138
Planning Director	185
Senior City Planner.....	160
Assistant Planner.....	145

Administrative Support

Administrative Analyst	\$110
IT Technician.....	105
Graphics/Visualization Specialist	95
Administrative Assistant.....	70

Direct Expenses:

Use of outside consultants as well as copies, blueprints, survey stakes, monuments, computer plots, telephone, travel (out of area) and all similar charges directly connected with the work will be charged at cost plus fifteen percent (15%). Mileage will be charged at the current federal mileage reimbursement rate. Expert Witness services will be charged at three (3) times listed rate and will include all time for research, deposition, court appearance and expert testimony.

Prevailing Wage Rates:

Rates shown with Prevailing Wage "(PW)" annotation are used for field work on projects subject to federal or state prevailing wage law.



About MNS



MNS Engineers, Inc., is a **multi-service infrastructure consulting firm**, specializing in **civil engineering, construction management, and land surveying** services.

We have served the transportation, water resources, government services, and federal markets for over 50 years, and we look forward to future expansion in these areas. We have a proven track record and a profound commitment to bettering our local communities. Our purpose is to make a positive difference in people's lives every day. We focus on our clients to solve their unique project challenges and deliver affordable, top-quality results.

MNS Engineers, Inc.

Established 1962

With roots dating back well over 100 years, MNS Engineers, Inc., has long been a cornerstone of the community in Santa Barbara, California. Incorporated in 1962, MNS was formed by the merger of three well-established firms. MNS has become an industry leader with an ever-expanding presence in California.

To better serve our clients, MNS operates branch offices in Buellton, San Luis Obispo, and Westlake Village. We support our military and federal markets from our branch office at Vandenberg Air Force Base. We are proud of our firm's heritage. As we grow, we continue to build upon our history and collective expertise, always striving to build a better world for future generations.

What We Do

Civil Engineering

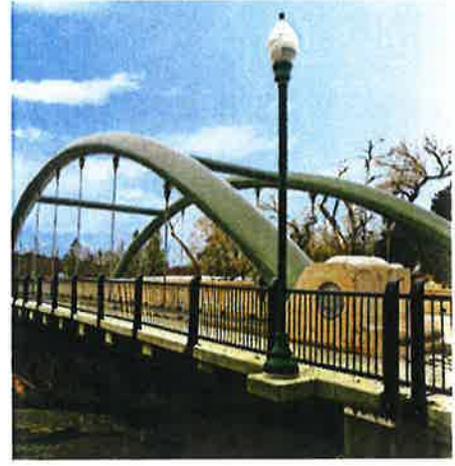
We focus on complete project delivery with capabilities in operational review, planning, preliminary design and design development, constructability review, and project start-up. Two specialized teams lead engineering: transportation and water resources. Our well-qualified engineers are registered professionals with numerous industry certifications/accreditations.

Construction Management

We're a leader in the construction management field because we offer a depth of resources and a reputation for success at meeting budget and scheduling goals. Our construction management team includes construction managers, resident engineers, structures representatives, construction inspectors, and office engineers.

Land Surveying

Our licensed land surveyors have over 70 years of combined experience and provide a full range of surveying and mapping services for design, construction, and right of way. Our team consists of project surveyors, party chiefs, and CAD technicians.



OUR MARKETS AND SERVICES

MARKETS

**Transportation
Water Resources
Government Services
Federal Markets**

SERVICES

**Civil Engineering
Construction Management
Land Surveying**

Why Choose MNS?

We believe our work speaks for itself, but we realize that a host of factors determine which firm you ultimately choose. **So why choose MNS?**

We're Experts in Our Fields: One key to our success is our professional and diversified team of experts, each member of which specializes in a particular market sector. This allows us to solve unique problems, ensuring your projects are always completed on time and within budget.

We're Client-Focused: Our team members are not just experts—they're also excellent communicators. We know that keeping you informed at every step of the way is vital to the success of our projects. We customize each project to your requirements and vision, always going the extra mile.

We're Committed to Our Communities: Our employees live and work in the communities we serve. We take great pride in the quality of our projects, knowing that our clients and future generations will benefit from their use for years to come.

We're the Best of Both Worlds: As a small business, we offer a depth of resources and services that allows us to deliver superior quality and service. Our ability to tackle large-scale endeavors without driving up costs or sacrificing personalized service makes us stand out as a client favorite.

More Ways MNS Can Help You

With so many projects now requiring **small business and union certification**, our qualifications will help your project meet the strictest requirements.



**California Certified Small
Business Enterprise**
SBE No. 8076

**Federally Qualified
as a Small Business**



Metro Certified
Los Angeles County Metropolitan
Transportation Authority



**Signatory to the International
Union of Operating Engineers**
Local 12

MNS Engineers, Inc.
Corporate Headquarters
201 N. Calle Cesar Chavez, Suite 300
Santa Barbara, CA 93103
phone 805.692.6921
info@mnsengineers.com

Branch Offices
Buellton
San Luis Obispo
Vandenberg AFB
Westlake Village

Incorporated in California
June 29, 1952

California C-Corporation
No. 09435353

DUNS
No. 09444361

mnsengineers.com



MNS developed concept level street and parking designs that responded effectively to the County's and community's needs. The design solutions are practical and are anticipated to result in a project that greatly improves access, safety, and aesthetics in a congested commercial and coastal recreation area.

— ROSIE DYSTE

PLANNER, LONG RANGE PLANNING
SANTA BARBARA COUNTY AND PLANNING DEPARTMENT



Civil Engineering



SPOTLIGHT PROJECT

Rancho Monte Alegre Carpinteria, CA

The primary goal of this project was to provide the District with greater autonomy from the South Coast Conduit, a transmission utility that delivers Lake Cachuma water to communities along the South Coast

The project consisted of a new 3MG concrete storage tank, an inertie pumping and regulation station enabling two-way exchange of water with the South Coast Conduit, a building that houses electrical distribution, emergency generator and disinfection booster station, a 20-inch diameter transmission main 10,700 feet in length, two new 12-inch laterals of 3,500 feet in length, and renovation of existing pressure regulation vaults.

Our Civil Engineering department provides a full range of engineering and planning services to the transportation, water resources, government services, and federal markets throughout California.

The MNS civil engineering team is led by well-qualified licensed civil, traffic, stormwater, and LEED-accredited engineers, and is aided by skilled technical support staff.

What We Do

At MNS, we take your vision from concept to completion. Working as a team, we tailor your project to provide you with a comprehensive, quality solution that meets, and often exceeds, expectations.

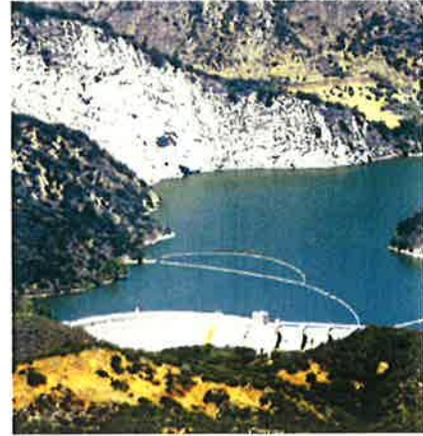
Planning

We put together planning documents such as advance planning studies, project study reports, project reports, structure type selection reports, and design exception memoranda, which document scope and cost structure.

Final Design

We utilize our engineering expertise to develop efficient yet robust designs that are simple to understand, review, and build—all while minimizing environmental impact. We assemble our best-qualified team, always adhering to your budget and schedule.

We formulated a standardized project development process to translate your preliminary concept into final engineering plans. We set goals at each sub-phase to complete plans, specifications, and estimate (PS&E) so that you can easily review for technical accuracy.



OUR MARKETS

Transportation

Our Transportation team focuses on projects involving roads, roundabouts, bridges, bike lanes, pedestrian pathways, and transit facilities. Our engineers provide creative, practical concepts for a wide range of needs.

Water Resources

Our Water Resources team is highly experienced in a variety of projects, ranging from water/wastewater infrastructure planning and design to stormwater quality analysis, mitigation design, municipal floodplain management and consulting.

Government Services

We possess invaluable insight and a unique understanding of public works projects. We provide on-call professional services and staff augmentation for numerous public agencies throughout California.

Federal Markets

We have long-established relationships with military clients. Our ongoing contract with the US Air Force is a strong testament to our firm's integrity and expertise with federal agencies.

Why Choose MNS?

We use our expertise to make your project a success, while making sure your experience is free from unexpected surprises. Our clients find our approach holistic, responsive, and accommodating.

We're Widely Diverse and Highly Specialized: Our Civil Engineering department is divided into unique, specialized, market-driven groups. Each of our engineers is highly specialized in a specific market division to provide our clients a top-quality solution in a cost effective and efficient manner.

We Believe in Teamwork and Clear Communication: From initial meetings and throughout construction, we work with you every step of the way. We're known for our communication and teamwork, which is critical to the success of any project.

We're Experts in Final PS&E Preparation: Our forté is developing biddable construction documents that are simple to understand, review, and build. Our approach minimizes questions and issues so your project remains on schedule and within budget.

Shawn Kowalewski, PE

*VP, Principal Engineer,
Transportation Market Leader*



Shawn leads our transportation division with extensive experience in engineering analysis and design.

805.456.3540 phone
skowalewski@mnsengineers.com

Mark Rincón, PE

*Principal Engineer,
Water Resources Market Leader*



Mark, with over 30 years of experience, leads our Water Resources division and specializes in project management and delivery.

805.456.3516 phone
mrincon@mnsengineers.com



Telegraph Road Bridge Replacement

20117 Venneta, CA



Government Services



SPOTLIGHT PROJECT

Staff Augmentation

City of Buellton, CA

Since 1992, MNS has provided staffing support for the City of Buellton in all engineering functions on a contract basis, including development review, permit engineering, permit inspection, surveying, capital project management, and funding coordination. This has enabled the City to provide the community with professional engineering resources as needed without the cost and limitations of permanent City staff.

A few of the key projects are the annual road maintenance and transportation improvements, streetscape and median improvements, park design and construction, and major WWTP improvements/upgrades. MNS has also provided extensive public education and outreach, including a comprehensive stormwater management plan and the bicycle and pedestrian master plan.

For over 50 years, MNS has supported public agencies within California. Year after year, we have been pre-qualified for on-call services to provide civil engineering, construction management, and land surveying. As City Engineer to a number of agencies, we have a unique understanding comprised of both the engineering and the municipality perspectives. Our first-hand knowledge and experience with municipal engineering allows us to maintain long-term municipal clients.

Count on MNS for Staff Augmentation

Our firm's experience, coupled with our knowledge of municipalities, makes MNS an easy addition to provide professional on-call services. We are able to draw from our highly qualified staff with expertise and resources in the areas of engineering, surveying and construction management—always finding precisely the right skillset and personality fit for the job. Because MNS is able to fill these roles on a contract basis, municipalities can efficiently provide the community with professional engineering resources as needed without the cost and limitations of permanent staff. Our core government services are:

- Staff Augmentation
- Program/Construction Management
- Development Review/Coordination
- Land Surveying and Mapping
- Transportation Engineering
- Water Resources Engineering
- Stormwater Compliance
- Stormwater Master Planning
- Planning and Permitting Services
- GIS Services

Capital Improvement and Land Development Services

- CIP Budgeting, Design and Management
- CIP Estimating and Scheduling
- Inspection—Private Development
- Contract Support Staff
- Environmental Review
- Floodplain Management
- Grant Applications
- Funding Coordination
- Public Outreach
- Permitting
- Project Design
- Bid Analysis
- Plan and Map Checking
- Right of Way Engineering



Civil Engineering

As City Engineer to a number of agencies, we possess an invaluable insight and a unique understanding of public works projects. We have provided on-call professional services and staff augmentation for numerous public agencies.

Construction Management

We have developed a reputation for success with completing projects ahead of or on schedule and budget. This reputation has elevated our construction management department above the rest.

Land Surveying

Serving as the City Surveyor to a number of agencies, our land surveying department has extensive experience in providing services for capital improvement programs.

Project Experience

- Avenue of the Flags *City of Buellton*
- Buellton Town Center *City of Buellton*
- City Surveyor *City of Buellton*
- Contract City Engineer *City of Buellton*
- Oak Park *City of Buellton*
- River View Park *City of Buellton*
- City Surveyor *City of Carpinteria*
- Contract City Engineer *City of Carpinteria*
- King Ventures *City of Carpinteria*
- Village Garden Condos *City of Carpinteria*
- Evergreen Park *City of Goleta*
- Nectarine Park Improvements *City of Goleta*
- On-Call Surveying Services *City of Malibu*
- Land Development *City of San Luis Obispo*
- Granada Garage *City of Santa Barbara*
- Santa Barbara Airport Topographic Base Map *City of Santa Barbara*
- Staff Augmentation *City of Santa Clarita*
- Los Flores Ranch Integrated Waste Management Facility *City of Santa Maria*
- Seaside Highlands *City of Seaside*
- Town Center Mall *City of Simi Valley*
- Duff Mesa Estates *City of Solvang*
- Factory Outlet Center *City of Solvang*
- Mission Oaks Estates *City of Solvang*
- East Garrison Land Development *County of Monterey*
- Bellridge *County of San Luis Obispo*
- K-Mart Center *County of San Luis Obispo*
- Land Development *County of San Luis Obispo*
- Old Avocado Ranch *County of San Luis Obispo*
- Sierra Body Shop *County of San Luis Obispo*
- The Woodlands *County of San Luis Obispo*
- Greenwell Acres *County of Santa Barbara*
- Land Development *County of Santa Barbara*
- Oak Park Acres *County of Santa Barbara*
- Storke Ranch *County of Santa Barbara*
- Toby Ranch *County of Santa Barbara*
- Village at Elm *County of Santa Barbara*
- Village at the Park Sports Complex *Pleasant Valley Recreation and Park District*

Jeffrey L. Edwards

VP, Government Services



Jeff, our Government Services division representative, manages MNS' Buellton office. In the past, Jeff has served as both the City Planning

Director and Public Works Director for various municipalities. Jeff works with our clients' staff to ensure needs are met and the highest level of services are received. His specialties are:

- Management and staff augmentation
- Construction management and inspection
- Water and sewer projects
- Constructability reviews
- Contract administration

805.697.1401 office phone

805.331.4848 cell phone

jedwards@mnsengineers.com



River View Park

2006/City of Buellton, CA



...whether design, surveying, or construction management, MNS invariably presented us with quality, professional staff that truly had the client's needs as their top priority.

— FRED LUNA
PROGRAM MANAGER
SANTA BARBARA COUNTY
ASSOCIATION OF GOVERNMENTS

Construction Management



SPOTLIGHT PROJECT

Pitkins Curve Bridge and Rock Shed

California State Route 1

Our construction management team at Pitkins Curve near Big Sur, CA, ensures the future safety of one of California's most beloved tourist destinations: scenic Highway 1.

Susceptible to frequent, potentially deadly landslides, the Pitkins Curve rock shed will help deflect the large, vehicle-size boulders that periodically fall onto the highway.

The new bridge at Pitkins Curve bypasses a geologically unstable area of land, helping to make this portion of Highway 1 much safer for motorists.

MNS specializes in complete construction management (CM) for the transportation, water resources, government services, and federal markets throughout California.

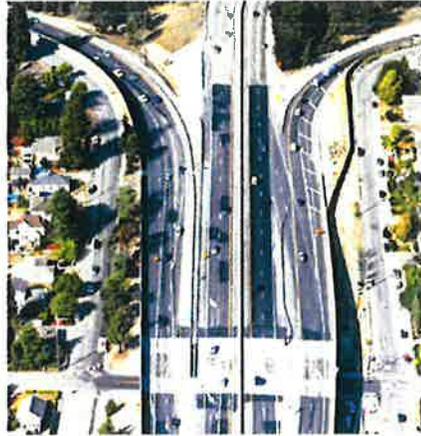
Our construction management team includes construction managers, resident engineers, structures representatives, construction inspectors, and office engineers.

What We Do

We have provided quality construction management services for local, state, and federal agencies for over 50 years. Our projects include roads, highways, bridges, interchanges, water and wastewater facilities, reservoirs, water and sewer pipelines, flood control channels, buildings, parking garages, parks, and airports. We pride ourselves on making sure our clients' projects are constructed on time, within budget, and of the highest caliber.

Our Services

- Complete Project and Contract Management
- Constructability Reviews
- Value Engineering
- Bidding Assistance
- Scheduling Support
- Resident Engineering, Structures Representatives, Inspection
- Special Inspection
- Stormwater Services
- Construction Surveying and Staking
- Permitting and Agency Coordination
- Claims Assistance



OUR MARKETS

Transportation

We've provided CM services on hundreds of roads and bridges throughout California, and we consider this market a key part of our business.

Water Resources

Our CM department includes a specialized water resources team with an impressive range of project experience and market knowledge.

Government Services

We have been providing on-call construction management and inspection services for California public agencies for over 50 years.

Federal Markets

We proudly serve the federal and military markets, supporting projects on military and government installations. We regularly provide CM services for Vandenberg AFB.

Why Choose MNS?

We're Excellent Construction Managers: Hands-on project supervision and quality control are key to providing you with a quality project that meets schedule and budget goals.

We're Highly Experienced, with Depth of Resources: We are experienced in every element of construction management providing enhanced project management, utilization, and flexibility in managing each project. Our staff is trained and knowledgeable in the various construction standards and procedures required for each project.

We Communicate Clearly to Prevent Problems: We stress the importance of communication and coordination at every stage of construction. We provide clear communication to all stakeholders and look ahead to anticipate project needs that will minimize impacts and promote project success.

We Know Special Funding Requirements: The majority of the projects that we manage include federal or state funding sources. We are well versed in the Caltrans Local Assistance Procedures Manual; as a result, all of our federally-funded projects have successfully passed their federal audits.

Greg Chelini, PE

VP, Principal Construction Manager



Greg has over 25 years of construction management and project management experience working for public agencies.

His extensive resume includes 12 years with the California Department of Transportation. His specialties are:

- Construction management and inspection
- Transportation projects
- Water and sewer projects
- Constructability reviews
- Contract administration
- Public agency coordination

805.456.3519 phone

gchelini@mnsengineers.com



Lewis Road Grade Separation

2011 / Camarillo, CA



Crisp, sharp, accurate! Thank you.

— **RAYMOND WILLIAMS**
PROJECT MANAGER
CITY OF DIXON

Land Surveying



SPOTLIGHT PROJECT

Cottage Hospital

Santa Barbara, CA

We undertook all construction surveying for the **new, \$800M hospital facility** in downtown Santa Barbara, CA.

Construction was adjacent to an underground tunnel and an existing hospital. This facility remained operational throughout, presenting unique challenges. Our team excelled at problem-solving and coordinating with other teams and agencies, each of which depended on our work before theirs could begin. Construction staking included rough grading of the site, shoring pile layout, weekly pile and building monitoring, and column line layout.

Our Land Surveying department provides a full range of land surveying and mapping services to the transportation, water resources, government services, and federal markets throughout California.

With roots in land surveying dating back to the early 1900s, our firm is proud to build upon a historic foundation of excellence.

What We Do

We use time-proven processes and advanced technology to ensure you receive quality results. We utilize GPS and robotic instrumentation expertise for one- and two-person survey crews. Our team specializes in the following areas of land surveying:

Design Surveying

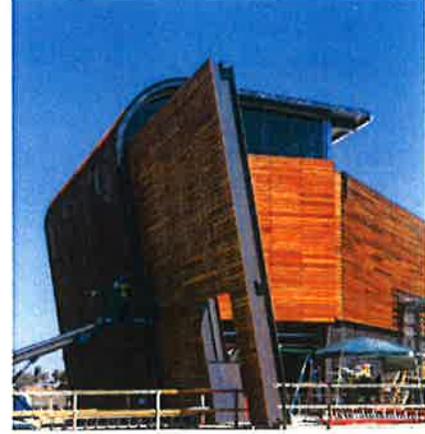
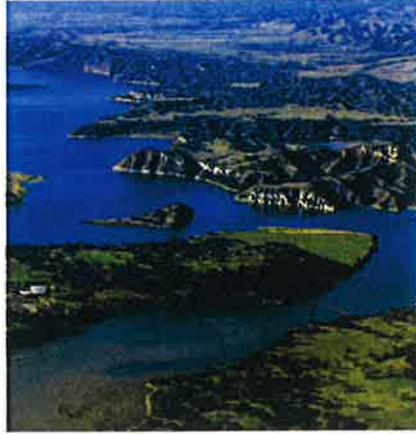
We provide mapping for ground and aerial topographic base maps as well as utility mapping, right of way, property boundary, and easement retracements for design projects. In addition, we provide surveying for acquisition projects that include legal descriptions, deeds, sketches, and right of way maps for use in appraisal and acquisition.

Construction Surveying

Our services include planning, review and pre-calculations, control and conform verifications, and monument preservation. Additionally, we provide construction staking and monitoring for roads, highways, bridges, bikeways, buildings, and facilities.

Additional Land Surveying Services

We provide right of way engineering in accordance with the Caltrans right of way manual. We also create customized maps, legal descriptions, and sketches and reports that are formatted to meet the needs of local agencies and clients.



OUR MARKETS

Transportation

We have provided design surveys, R/W engineering and mapping, and construction staking for many major roadways, highways, and bridges in California.

Water Resources

Our land surveyors are involved in the water resources market, from utility surveys, aerial survey control, topographic mapping, and construction staking.

Government Services

We work with numerous municipal agencies to provide services for capital improvement projects. We understand the needs and expectations of our local agencies.

Federal Markets

We proudly serve the federal and military markets, supporting projects on military and government installations. We regularly provide land surveying services for Vandenberg AFB.

Why Choose MNS?

We Offer the Best One- and Two-Person Survey Crews: We analyze the project scope to determine if a one- or two-person crew is the most effective and cost efficient way to proceed. Using advanced GPS and robotic technology and traditional techniques, we strive to meet or exceed the required schedule and complete the work within budget.

Our Surveyors Are Unionized: Since MNS is signatory to the International Union of Operating Engineers Local 12, we have the ability to add to our core employees by hiring certified party chiefs and chainpersons from a pool of highly qualified, local surveyors.

Our Team Is Highly Efficient: Our land surveying team has worked together for over 10 years. Their familiarity with each other and their field expertise enable us to complete your projects on time, within budget, and with no communication breakdowns along the way.

We Understand Your Needs: Our clients include private clients, municipalities, and Caltrans. As our first priority, we work with you to thoroughly understand your project. We provide an experienced team to complete your project in a cost-effective manner.

Mark Reinhardt, PLS

VP, Principal Land Surveyor



Mark specializes in right of way engineering, mapping, and non-construction surveying, overseeing all MNS surveying activities.

805.456.3535 phone
mreinhardt@mnsengineers.com

Fred Tice, PLS

Principal Land Surveyor,



With over 35 years of career experience, Fred is an expert at large-scale construction projects, including roads, bridges, and commercial sites.

805.896.9473 phone
ftice@mnsengineers.com



Cottage Hospital

2008-2011 / Santa Barbara, CA



Transportation



SPOTLIGHT PROJECT

Willow Road

Willow Road in San Luis Obispo, CA, provides expanded capacity for West Nipomo and serves as a vital intertie between State Route 1 and US 101. Additional community benefits include reduced traffic at Tefft Street interchange, shorter travel route on Mesa Road, a viable truck route, and improved emergency response services.

This project extends Willow Road east from Hetrick Road to US 101, constructs a new US 101/Willow Road interchange, and constructs Willow Road from US 101 to Thompson Avenue.



Signatory to the
International
Union of Operating
Engineers Local 12

MNS Engineers, Inc. is a multi-service infrastructure consulting firm, specializing in construction management, civil engineering, and land surveying services. We have served the transportation market for over 50 years, implementing modern transportation systems that minimize impacts to the community and surrounding environment.

Transportation Systems Are a Way of Life

Taking an afternoon stroll through your neighborhood, riding your bicycle on a scenic coastal path, driving on local roads to run errands, or using major freeways and bridges to reach distant destinations all have one thing in common: **people's lives revolve around transportation systems.**

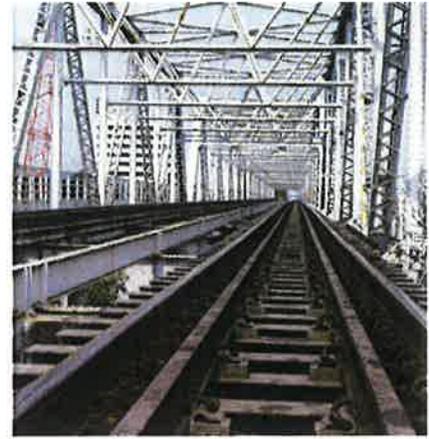
Eventually, all transportation systems see typical wear and tear, need emergency repair when a natural disaster strikes, or require expansion to accommodate population growth.

MNS Transportation: Our Areas of Expertise

MNS provides creative and practical solutions for a wide range of transportation systems: **pedestrian and bicycle facilities, vehicular systems, and public transit systems.** Our team includes licensed traffic engineers; their expertise augments our thorough understanding of transportation systems.

Federal and State Funding

We have extensive experience with administering federal, state, and locally funded transportation projects and working with agencies to successfully pass a federal audit. MNS has successfully managed over \$500M in programmable money over the past ten years, including FHWA, ARRA, HBP, STIP, FEMA and bond funded projects.



OUR SERVICES

Civil Engineering

Our engineering department provides a full range of engineering and planning services to the transportation market.

Our team is led by well-qualified licensed civil, traffic, storm water, and LEED-accredited engineers, with skilled technical support staff.

Construction Management

MNS specializes in complete construction management for the transportation market.

Our construction management team includes construction managers, resident engineers, structures representatives, construction inspectors, and office engineers.

Land Surveying

Our land surveying department provides a full range of land surveying and mapping services to the transportation market.

With roots in land surveying dating back to the early 1900s, our firm is proud to build upon a historic foundation of excellence.

The MNS Difference

Pedestrian & Bicycle Facilities

We have completed numerous studies and designs for pedestrian facilities. Our team has extensive experience with implementing designs that adhere to standard industry and agency specifications and guidelines while maintaining ADA compliance.

Our project experience includes sidewalks, safe routes to schools, bicycle paths, multi-use paths, trails, intersections, traffic calming, and bicycle master plans.

Vehicular Transportation Systems

Whether your project requires pavement maintenance and rehabilitation, emergency repair, or new systems and structures design, MNS has the experience and expertise to provide your agency with the optimal solution.

We understand special funding, agency, and Caltrans requirements, and we understand the need to protect the surrounding environment as required.

Our project experience includes local roads, pavement rehabilitation, streetscapes and beautification, medians, roundabouts, intersections, parking, highways, interchanges, and bridges.

Public Transit Systems

We continue to expand our portfolio to provide our services to the public transit systems. Much like the services we provide for vehicular systems, we understand the complexities and requirements to meet your needs while remaining compliant with agency and ADA requirements.

Our project experience in this growing market includes bus facilities, trains, rails, freight, park and ride facilities, and airfield facilities.

Traffic Engineering

At MNS, our team includes licensed traffic engineers for your traffic planning and engineering needs. Our traffic engineers identify, investigate, evaluate, and implement intelligent solutions to meet the overall goal of implementing modern transportation

systems. They are proficient with studying problems and replacing old solutions with modern results that provide increased safety, operations, and longevity into low or high capacity transportation systems.

Our project experience includes, but is not limited to the following:

Engineering studies: Traffic modeling and simulations, traffic signal warrants and timing, traffic safety and collision analysis, speed studies, pedestrian studies, parking and circulation studies, conceptual roundabout studies, access management, alternative route studies, transit studies, and corridor studies.

Engineering design: New signal systems, reconstruction of existing signal systems, traffic calming elements, streetscape and beautification, traffic control, construction staging, detours, CA-MUTCD/CVC signage, bicycle facilities, street lighting for intersections and roundabouts, and ADA facilities.



Water Resources



Coachella Valley Water District

Rancho Monte Alegre Water Facility

Our expert water resources team is at the forefront of the industry, developing all aspects of our communities' complex water resources infrastructure for today's changing world.

Ecosystems depend on water—the source of life. The importance of providing sustainable water resource solutions today will protect the water supply of tomorrow. This important, yet complex challenge must also meet environmental, social, and political objectives.



Kern County Water Agency

Henry C. Garnett Water Purification Plant Expansion

Over 50 Years of Experience

Since 1962, MNS has provided top quality solutions to the water resources market, serving a wide variety of public and private clients. We specialize in **water, wastewater, drainage, and stormwater** systems for public agencies, and our water resources professionals are committed to helping our clients keep their—and our—communities safe and well as they establish, grow, or revitalize their water infrastructures.

Water Resources Professionals

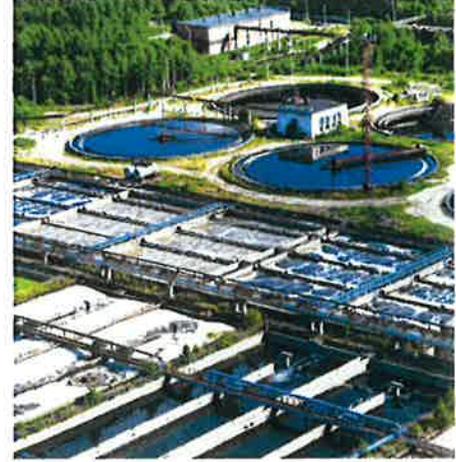
We provide civil engineering, construction management, and land surveying services for a full suite of integrated water, wastewater, stormwater, and floodplain management. Our experts examine each project and its impacts, always identifying the optimal solution for each problem.



County of San Luis Obispo

Los Osos Wastewater Collection System

Innovative, sustainable, and economically viable water resources management systems are vital to the existence of our society. We apply innovative solutions to comply with an increase in regulations, extend limited resources, and rehabilitate aging infrastructures to meet tomorrow's needs. Our goal is simple—to provide long-term, cost-effective, high quality, and reliable solutions in order to ensure that our communities will be well-served and protected by the systems we administer.



OUR SERVICES

Civil Engineering

Our engineering department provides a full range of engineering services to the water resources market, from planning and design through commissioning. Our team is led by well-qualified licensed civil engineers and is aided by skilled technical support staff.

Construction Management

MNS specializes in complete construction management for the water resources market. Our construction management team includes construction managers, resident engineers, structures representatives, construction inspectors, and office engineers.

Land Surveying

Our land surveying department provides a full range of land surveying and mapping services to the water resources market. With roots in land surveying dating back to the early 1900s, our firm is proud to build upon a historic foundation of excellence.

El Estero Wastewater Treatment Plant: Santa Barbara, CA



San Jose Creek Improvements: Goleta, CA



Water and Wastewater

From simple waterline repair to full and complex water infrastructure systems, MNS is fully equipped to handle the needs of both large and small communities. As our towns and cities grow, water resources requirements naturally become more complex; our experts are on the leading edge of their fields, bringing total water solutions to municipalities while keeping costs low and system value and sustainability high.

We specialize particularly in the following areas of water and wastewater systems:

- Water resources planning and hydraulic modeling
- Water distribution and storage systems
- Wastewater collection systems
- Reclaimed/recycled water systems
- Water management plans and vulnerability studies

Drainage and Stormwater

As weather patterns become more unpredictable and communities are affected by flooding and stormwater-based pollution, the importance of high-quality drainage and stormwater management systems becomes ever more important. From preparing comprehensive stormwater management plans to designing new systems or repairing existing stormwater systems after damage, MNS is experienced in providing solutions.

We specialize particularly in the following areas of drainage and stormwater:

- Assessment of hydrologic and hydraulic characteristics/modeling
- Mitigation for stormwater quality/impervious areas
- Stormwater detention and treatment
- NPDES permit compliance and stormwater management planning
- Drainage/flood control engineering
- Stormwater Pollution Prevention Plans (SWPPP) compliance

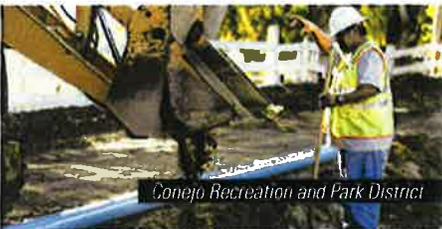


Water Systems



Kern County Water Agency

Henry C. Garnett Water Purification Plant Expansion



Conejo Recreation and Park District

McCrea Ranch Waterline Extension



Nipomo Community Services District

Nipomo Waterline Intertie

For over 50 years, MNS has delivered a wide range of projects for the planning, design and construction of water projects throughout California—sustaining and enhancing water supply resources in our communities. Projects have ranged in size from private and community water systems to large segments of public systems. Our clients include city, county, and state agencies; utility districts; government associations; and other municipal agencies. We know the ins and outs of funding administration, permitting, environmental compliance, and working with neighboring communities.

Services Provided

MNS offers in-depth project experience and a high level of engineering design, construction management, and land surveying skill:

- System Master Planning
- Network Modeling and Analysis
- Project Planning, Scoping, and Costing
- Engineering Analysis and Design
- Preparation of Contract Documents, PS&E
- Regulatory Agency Coordination
- SWPPP Preparation and Compliance
- Permitting Assistance
- Right of Way Engineering
- Construction Phase Surveying
- Construction Phase Staking
- Topographic Mapping
- Constructability Review
- Construction Administration
- Construction Management and Inspection
- Project Commissioning

Project Type

From small private septic systems to large segments of public sewer systems, MNS has delivered numerous wastewater infrastructure projects:

- Water Collection Systems
- Shared Water Systems
- Storage Facilities
- Transmission Pipelines
- Distribution Pipelines
- Water Treatment Plant Upgrades
- Pump Stations
- Systems Modeling
- Stormwater Management
- Storm Drain Design
- Hydrology
- Hydraulic Studies
- Water Quality Management
- Computer Modeling
- Erosion Protection Design
- Drainage



OUR EXPERIENCE

Permitting Agencies

Many of our projects require extensive coordination with permitting agencies. We have solid experience with coordinating projects that require communication with multiple agencies, utility coordination, and permitting for environmental protection.

Agency Experience

- Caltrans
- US Army Corps of Engineers
- State Right of Way Encroachments
- California Department of Fish & Wildlife
- Regional Water Quality Control Board
- Watershed Protection Districts

Funding Administration

Because many of our projects are funded on the federal, state and local levels, we have modeled our procedures and financial database system to meet these project needs. In the last decade, we have successfully administered over \$500M in programmable money.

Rancho Monte Alegre Water Tank, Carpinteria Valley Water District



Pomeroy Water Main Replacement, City of Pismo Beach



Water Experience

- Storm Damaged Facilities Repair **Cachuma Operations and Maintenance Board**
- Rancho Monte Alegre **Carpinteria Valley Water District**
- State Waterline Transmission Line **Central Coast Water Authority**
- Stormwater Management Plan **City of Buellton**
- System Mapping and Network Modeling **City of Buellton**
- Water Master Plan **City of Buellton**
- Cathedral Oaks Water Line **City of Goleta**
- Patterson Reservoir Improvements **City of Goleta**
- Olive Avenue Storm Repair **City of Lompoc**
- Paradise Cove Storm Water Treatment Facility **City of Malibu**
- Advanced Water Purification Facility **City of Oxnard**
- Pomeroy Water Main Replacement **City of Pismo Beach**
- Cater Water Treatment Facility **City of Santa Barbara**
- El Estero WWTP Tertiary Filtration Replacement **City of Santa Barbara**
- McClelland Water Main Replacement **City of Santa Maria**
- Tank No. 3 Renovation **City of Solvang**
- Water System Index Map **City of Solvang**
- State Water Disinfection Study **City of Solvang**
- Foster Hillside Neighborhood Waterline **City of Ventura**
- Hillside Pipeline Replacement **City of Ventura**
- McCrea Ranch Waterline Extension **Conejo Recreation and Park District**
- Fontes, Addington and Boronda Storm Drain and Street Improvements **County of Monterey**
- El Rancho Way-Hyland Drive Storm Drains **County of Monterey**
- North Patterson Pressure Station **County of Santa Barbara**
- Camino del Remedio Road Storm Repair **County of Santa Barbara**
- Los Olivos Water Quality Engineering Report **County of Santa Barbara**
- Los Angeles Water Pipeline Replacements **Golden State Water Company**
- Bedrock Well Pipeline Preliminary Design **Goleta Water District**
- Calle Real Line Extension **Goleta Water District**
- Henry C. Garnett Water Purification Plant **Kern County Water Agency**
- Nipomo Waterline Intertie **Nipomo Community Services District**
- Water System Modeling and Construction Standards **Santa Barbara Cemetery**
- Santa Ynez Pumping Station **Santa Ynez**