



# COUNTY OF SANTA BARBARA



## PROPOSAL TO PROVIDE PROFESSIONAL SERVICES FOR Emergency Operations Management of the Foothill Debris Management Site

**COUNTY PROJECT NO. 175006**  
**SOLICITATION NO. 1**

COSBA.200822



COUNTY OF SANTA BARBARA

# PROPOSAL TO PROVIDE PROFESSIONAL SERVICES FOR EMERGENCY OPERATIONS MANAGEMENT OF THE FOOTHILL DEBRIS MANAGEMENT SITE

COUNTY PROJECT NO. 175006, SOLICITATION NO. 1



**PRIME CONSULTANT** MNS ENGINEERS, INC.

**LOCAL OFFICE NAME  
(LOCAL OFFICE)**

201 N. Calle Cesar Chavez, Suite 300  
Santa Barbara, CA 93103  
805.692.6921 Office

**PROJECT  
CONTACT**

**Bill Callaghan, PE, QSD/QSP**, Project Manager/Construction Manager  
805.896.8481 mobile | bcallaghan@mnsengineers.com

**AUTHORIZED  
SIGNATURE**

**Greg Chelini, PE**, Vice President  
805.896.9474 mobile | 805.692.6921 office | gchelini@mnsengineers.com

JANUARY 18, 2021



January 18, 2021

805 County of Santa Barbara  
**Attention:** Carlyle Johnston  
Public Works Department – Resource Recovery & Waste Management Division  
130 East Victoria Street, Suite 100  
Santa Barbara, CA 93101

**SUBJECT: Proposal to Provide Professional Services for Emergency Operations Management of the Foothill Debris Management Site, County Project No. 175006, Solicitation No. 1**

Dear Mr. Johnston,

MNS Engineers, Inc. (MNS) appreciates the opportunity to submit this proposal to provide construction inspection services for the Emergency Operations Management of the Foothill Debris Management Site (Project) for the County of Santa Barbara (County). The County is soliciting proposals for the Emergency Operations Management of the Foothill Debris Management Site. This work will be done on an as needed basis during a natural disaster such as a flood or during a wet weather event.

The Dump Master's responsibilities include management of traffic circulation on and off the site, tracking of all vehicles that enter the site, tracking of materials that enter the site, and direction of proper location of disposal and/or storage of materials.

Based on our understanding, MNS proposes to provide a full-time Inspector/Dump Master on an as needed basis to track materials deposited at the site. MNS will work directly with the Facilities Manager and provide a daily report of materials deposited on the site.

### Professional and Qualified Team

Our team will be managed out of the MNS Santa Barbara office and led by Bill Callaghan, PE, QSD/QSP, our Project Manager/Construction Manager and a seasoned CM professional with over 31 years of diversified construction management experience. Bill and our seasoned Inspectors are familiar with County policies, specifications, and Caltrans regulations, policies, procedures, guidelines, and standards. Bill will serve as the County's main contact.

### Project Success

Our team has provided CM services for projects of similar scope. A few of our relevant projects include the following:

- Construction Management for A Street Basin Weir Reconstruction, County of Santa Barbara
- Dump Master Assistance for Debris Removal Tracking at the Foothill Landfill Site, County of Santa Barbara

## MNS DETAILS

### LEGAL NAME

MNS Engineers, Inc.

### FIRM OWNERSHIP TYPE

C-Corporation

### YEAR FIRM ESTABLISHED

1962

### CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS

DIR No. 1000003564

### CORPORATE AND LOCAL OFFICE

201 N. Calle Cesar Chavez,  
Suite 300

Santa Barbara, CA 93103

805.692.6921 Office/Fax

[mnsengineers.com](http://mnsengineers.com)

### PROJECT CONTACT

Bill Callaghan, PE  
Project Manager/  
Construction Manager

805.896.8481 mobile

[bcallaghan@mnsengineers.com](mailto:bcallaghan@mnsengineers.com)

### AUTHORIZED SIGNATURE

Greg Chelini, PE  
Vice President

805.896.9474 mobile

805.692.6921 office

[gchelini@mnsengineers.com](mailto:gchelini@mnsengineers.com)

### ACKNOWLEDGEMENT

MNS acknowledges receipt of questions posted on January 7, 2021.



- Montecito Mudslide Emergency Services, Caltrans
- San Jose Creek Emergency Repair, City of Goleta
- Linden Avenue and Casitas Pass Road Operational Improvements at US 101, Caltrans D5

**Conflict of Interest**

MNS does not have any actual, apparent, or potential conflicts of interest relative to the services described herein.

**Litigation**

MNS does not have any recent litigation in connection with prior projects to disclose.

**Agreement for Services of Independent Contractor**

MNS affirms that the proposal terms will remain in effect for ninety (90) days following the due date of the proposal submittals. MNS has reviewed the sample agreement and acknowledges our acceptance of the terms of that agreement in the space provided on the Attachment A coversheet directly following this cover letter.

**Caltrans Financial Forms**

MNS will provide any required Caltrans financial forms, such as Exhibit 10-K, project selection.

In summary, MNS is confident our uniquely experienced and qualified team will provide quality services and ensure a successful project delivery. We look forward to working with the County. Please contact me or Bill Callaghan, PE, QSD/QSP, at 805.896.8481 or bcallaghan@mnsengineers.com with any questions you may have about our submittal. Thank you for your consideration.

Sincerely,  
**MNS Engineers, Inc.**



Greg Chelini, PE  
Vice President





**8 ATTACHMENT A – COUNTY STANDARD AGREEMENT**

**AGREEMENT FOR SERVICES OF INDEPENDENT CONTRACTOR**

Attachment A contains the Standard Agreement used by the County for technical services and added clauses by the State Auditors; no changes will be made to the Standard Agreement language. Contractors are required to review the Standard Agreement and acknowledge their acceptance of the terms of the Standard Agreement language in the space provided below. Failure to acknowledgement acceptance of the Standard agreement language will cause the rejection of the proposal without further consideration.

MNS Engineers, Inc. acknowledges acceptance of the terms of the Standard Agreement, “Agreement for Services of Independent Contractors.”

Signature:  \_\_\_\_\_

Greg Chelini, PE, Vice President

## 9 ATTACHMENT B – CONTRACTOR INFORMATION SHEET

### Contractor Information Sheet

**Name of Proposer** MNS Engineers, Inc.  
**Business P.O. Box** \_\_\_\_\_  
**City, State, Zip** \_\_\_\_\_  
**Business Street Address** 201 N. Calle Cesar Chavez, Suite 300  
(Include even if P.O. Box is used)  
**City, State, Zip** Santa Barbara, CA 93103  
**Telephone No.** 805.692.6921 **Fax No.** 805.692.6921  
**Contractor License No.** \_\_\_\_\_ **License Classification** \_\_\_\_\_  
**Public Works Contractor Registration No.** DIR Number 1000003564  
**Business Type (Check One)** **Corporation:**  **Partnership:** \_\_\_\_\_ **Sole Proprietorship:** \_\_\_\_\_  
**Contact Person Name** Greg Chelini, PE, Vice President  
**Contact Person Phone No.** 805.896.9474  
**Contact Person Email** gchelini@mnsengineers.com  
**Employer's Tax Identification Number** No. 0435353



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## SEPARATE ATTACHMENT

<b>SEPARATE</b>	Cost Proposal	
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SECTION 1  
**QUALIFICATIONS AND EXPERIENCE**



**MNS Engineers, Inc. (MNS)**

<b>Legal Firm Name</b>	MNS Engineers, Inc. (DIR No. 1000003564)
<b>Local Address</b>	201 N. Calle Cesar Chavez, Suite 300; Santa Barbara, CA 93103
<b>Firm Type   Founded</b>	C-Corporation   1962
<b>Point of Contact</b>	Bill Callaghan, PE, QSD/QSP, Project Manager, Ph 805.896.8481, bcallaghan@mnsengineers.com
<b>Role</b>	Prime Consultant (construction management, inspection, and administration)

Established in 1962, MNS is a C-Corporation providing quality infrastructure consulting services to the transportation, water resources, and government service markets throughout California. **Specializing in the core services of construction management, civil engineering, and land surveying**, MNS' reputation has been built on clear and direct communication and quality services. We understand the technical, environmental, and regulatory aspects required for the Emergency Operations Management of the Foothill Debris Management Site Project (Project). We are experienced and knowledgeable in permitting and multiagency coordination.

**Construction Management and Inspection**

A leader in construction management and inspection services, MNS offers the County a depth of staff resources and a reputation for success to meet budget and schedule goals. We have provided an experienced construction team that will be available for the duration of

the Project to ensure its successful completion. Our expertise includes:

- Complete construction management and inspection
- Scheduling and Critical Path Method (CPM) review
- Caltrans Local Assistance Procedures Manual (LAPM)
- Contract administration and constructability review
- Stormwater Pollution Prevention Plan (SWPPP) compliance
- Multiparty and contractor coordination
- Utility and regulatory agency coordination
- Funding administration: local, state, and federal

**Permitting and Coordination**

Most of our projects require extensive coordination with permitting agencies. We have proven and recognized experience coordinating with multiple agencies, utilities, and permitting for environmental protection. We have worked extensively with local Fish and Wildlife and





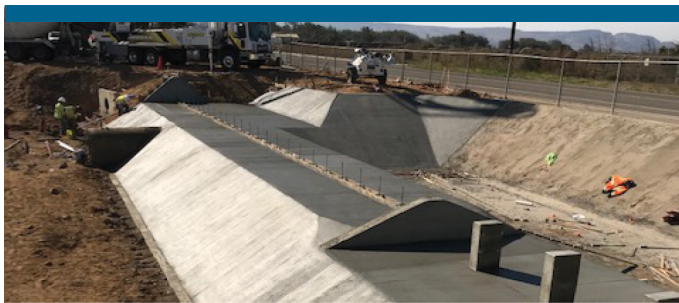
Regional Water Quality Control Board (RWQCB) as well as Caltrans staff on numerous projects in the area. We have a thorough understanding of the regulatory permit requirements such as protection of endangered species, mitigation for nesting birds, removal of hazardous material, implementing stormwater pollution protection controls, and Caltrans encroachment permit requirements.

### Project Funding Administration

For over 25 years, MNS has been successfully delivering public works projects involving federal, state, and regional funding sources, which requires the project to be administered in accordance with the Caltrans LAPM and Construction Manual. We understand the importance of having detailed and accurate contract administration in order for the agency to receive 100%

### Project Experience

MNS and our individual team members proposed for the Project have successfully delivered construction management and inspection services for similar projects. A sample of our team's proven and recognized experience is provided in this section.



<b>PROJECT</b>	A Street Basin Weir Reconstruction
<b>OWNER</b>	Santa Barbara County Flood Control and Water Conservation District
<b>REFERENCE</b>	Matt Griffin, Project Manager Ph 805.884.8074 Mgriff@cosbpw.net
<b>COST</b>	\$83K (contract), \$235K (total construction)
<b>DATES</b>	September to December 2020
<b>CONTRACTOR</b>	JJ Fisher Construction, Inc.

**DESCRIPTION.** This \$235K improvement project was implemented to repair and replace a concrete stormwater

retention basin and weir due to soil piping, settlement, and other erosion factors. The A Street Basin is located within the City of Santa Maria and is a part of the original Orcutt Regional Recharge Project constructed in the early 1980s. The construction replaced the concrete basin and weir structure in kind while adding improvements to alleviate soil piping and erosion problems. The Project was administered in accordance with Caltrans Local Assistance Procedures Manual (LAPM) requirements.

**MNS provided** construction management and inspection services.

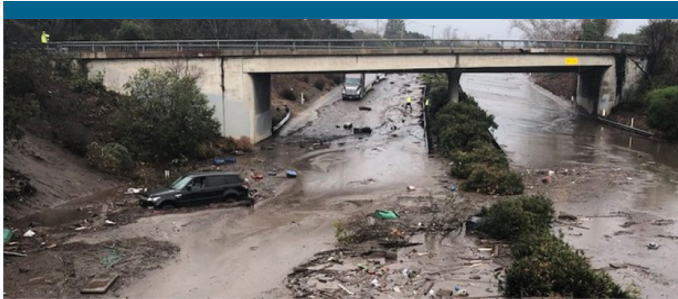


<b>PROJECT</b>	Dump Master Assistance for Debris Removal Tracking at the Foothill Landfill Site
<b>OWNER</b>	County of Santa Barbara
<b>REFERENCE</b>	Liam Gunst, Engineer lgunst@cosbpw.net
<b>COST</b>	\$40K Contract
<b>DATES</b>	2019
<b>CONTRACTOR</b>	Trucking Contracted Through County

**DESCRIPTION.** The County required assistance in tracking quantities of debris removal including debris load location, approximate quantity of material, truck descriptions and capacity, driver information, contractor information, and daily reporting (including measurements and photo documentation as necessary) to document and oversee dumping operations at the Foothill Landfill site.

MNS provided a full-time Inspector/dump master on an as needed basis to track materials deposited at the site. The Project Manager, Bill Callaghan, PE, QSD/QSP, served as the primary liaison to the County during the removal operations. The MNS team worked directly for the County of Santa Barbara Flood Control District (SBCFCD) Project Manager and provided a daily report. **MNS provided** construction management and inspection services.





<b>PROJECT</b>	Montecito Mudslide Emergency Services
<b>OWNER</b>	Caltrans
<b>REFERENCE</b>	Jason Kline, PE, Senior Engineer Ph 805.698.2393 Jason.kline@dot.ca.gov
<b>COST</b>	\$500K (contract), \$22M (total construction)
<b>FUNDING</b>	Federal Emergency Management Agency (FEMA)
<b>DATES</b>	August to December 2020
<b>CONTRACTOR</b>	Granite Construction Company

**DESCRIPTION.** Following the Thomas Fire in Santa Barbara County and subsequent heavy rains, the County experienced significant damage caused by the mudslides that closed US 101 and adjacent rural highways. The main objective of these contracts was to remove debris, perform emergency repairs, and reopen US 101 and State Routes 144 and 192.

The historic Thomas Fire in late 2017 denuded the hills above Santa Barbara and set the stage for the catastrophic mudslides caused by heavy rains in January 2018. The rain caused massive mud and debris flows that closed four highways (US 101 and State Routes 144, 159, and 192) along with local roadways. The mudslides damaged bridges, highway shoulders, slopes, culverts, pavement, headwalls, retaining walls, guard rails, water lines, and utilities. The Caltrans emergency projects were initiated to remove mud and debris, slope reconstruction, and roadway/highway repair prior to opening the impacted State Routes. The emergency projects were performed entirely on a time and materials basis with work occurring around the clock until US 101 was reopened. Once the highways were reopened, emergency work continued to complete needed repairs to the highways and bridges. MNS provided construction inspection and office administration including preparing estimated quantities

and associated costs associated with two of the storm damage EFA contracts for Federal Emergency Management Agency (FEMA) reimbursement.

**MNS provided** construction management and inspection services.



<b>PROJECT</b>	San Jose Creek Emergency Repair
<b>OWNER</b>	City of Goleta
<b>REFERENCE</b>	Charlie Ebeling, Public Works Director Ph 805.961.7569 cebeling@cityofgoleta.org
<b>COST</b>	\$360K (Construction)
<b>FUNDING</b>	Combination of FEMA and General Funds
<b>DATES</b>	October 2016
<b>CONTRACTOR</b>	Jeremy Harris Construction, Inc.

**DESCRIPTION.** The City of Goleta requested construction management and inspection services for the necessary repairs to storm damaged sections of San Jose Creek. The project removed damaged sections of the existing articulated revetment, excavated and removed subgrade materials, installed rock slope protection, installed a sheet pile wall, and reinforced the existing articulated revetment sections both upstream and downstream from the damaged area. The repairs were performed on a very tight timeline of fifteen working days to prepare the channel for the upcoming winter season.

**MNS provided** construction management and inspection services.







<b>PROJECT</b>	Linden Avenue and Casitas Pass Road Operational Improvements at US 101
<b>OWNER</b>	Caltrans D5
<b>REFERENCE</b>	Jason Kline, Caltrans Construction Senior Ph 805.698.2393 jason.kline@dot.ca.gov
<b>COST</b>	\$1.2M (contract), \$52M (total construction)
<b>FUNDING</b>	State Highway Funds
<b>DATES</b>	2016 – 2019
<b>CONTRACTOR</b>	Security Paving

Construction elements included a new cast-in-place (CIP) and post-tensioned box girder bridge structure; three bridge replacements (cast-in-place, post-tensioned, and box girder bridge structures); concrete retaining walls; sound walls; reinforced box culverts and drainage improvements; rapid set lean concrete base (LCB) and jointed plain concrete pavement (JPCP); over 25,000 tons of hot mix asphalt (HMA) paving; 12,000 cubic yards of continuously reinforced concrete pavement (CRCP); overhead sign structures; concrete barrier railing and metal beam guard rails (MBGRs); signals and lighting; and multiple utility realignments. As a result of several concurrent interchange construction projects at various locations, this project required constant coordination with the City of Carpinteria, other local agencies, and the public. This project also required special attention to environmental permits due to the project location in an environmentally sensitive area (Carpinteria Creek).

**MNS provided** construction inspection and office engineering services.

**DESCRIPTION.** US 101 is the main thoroughfare in Santa Barbara County, providing vital access between Ventura, Santa Barbara, and San Luis Obispo Counties. The Linden Avenue and Casitas Pass Road Operational Improvements project at US 101 paved the way for the subsequent high-occupancy vehicle (HOV) lane widening projects along the US 101 corridor, relieved congestion on local streets, and provided safer travel for the communities within and through the City of Carpinteria.

This \$52M Caltrans multistage construction project along a 1.5-mile stretch of US 101 replaced two interchanges/overpasses over US 101 in the City of Carpinteria, added a new bridge over Carpinteria Creek to connect Via Real with Casitas Pass Road, upgraded the southbound off-ramp intersection with a new roundabout, and extended the existing Via Real frontage road. The US 101 expansion accommodates the six lanes of traffic required to begin the subsequent project to construct HOV lanes along the Carpinteria/Santa Barbara corridor. Additional improvements included sound walls with architectural treatments along US 101. This challenging project raised the grade on US 101 by 10 feet to accommodate the capacity for a 100-year storm event.



# SECTION 2 ORGANIZATION AND APPROACH

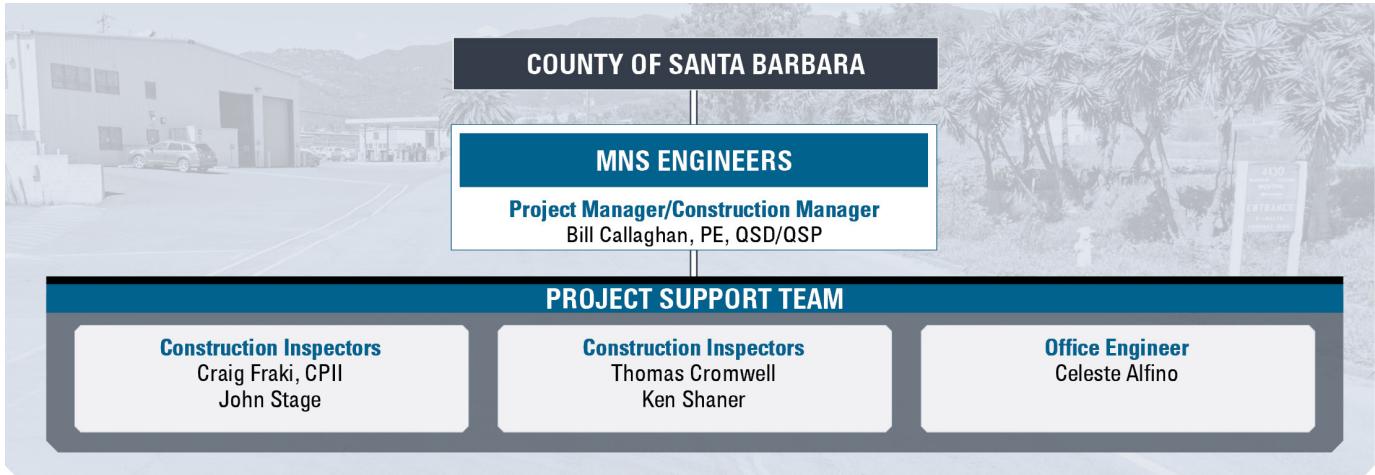


Figure 2.1. Team Organization

## Professional and Experienced Team

Our proposed team members provide comprehensive support, efficient staff utilization, flexibility, and expertise to meet the specific needs of the project. Each team member brings years of experience in his or her role and has provided similar services on similar projects.

## Proactive Management Approach

As Project Manager/Construction Manager, Bill Callaghan, PE, QSD/QSP, will work closely with the County and team members to ensure MNS delivers a quality product in compliance with the contract documents. Bill is hands-on and will proactively work to identify issues before they become problems. Once an issue is identified, MNS will present solutions to the County. The budget and schedule will be continually monitored to ensure successful completion of the project.

## Team Organization and Staff Biographies

Our cohesive, talented team of professionals are experienced in all the specific elements and needs for the project. Figure 2.1 displays our team organization chart. This section provides a brief overview of our key team

members' responsibilities and experience. **Appendix A** contains two-page resumes for each team member.

	<b>Bill Callaghan, PE, QSD/QSP</b> Project Manager/Construction Manager
<b>Firm</b>	<b>MNS</b>
<b>Experience</b>	31 total years of experience 26 years with MNS
<b>License</b>	Professional Civil Engineer, CA No. 64285
<b>Certification</b>	Qualified SWPPP Developer/Practitioner, CA No. 22772; Nuclear Testing Gauge Operator No. 011158; 10-hour Construction Safety, Cal/OSHA; C2 Workzone Traffic Control; Confined Space Awareness

As Project Manager/Construction Manager, Mr. Callaghan will manage the MNS team—focusing on budget, schedule, staffing resources, conflicts, and technical oversight. Bill will serve as the central communication point for the County and support the Construction Inspectors. Bill is committed for the project duration.



Bill has a depth of experience in a variety of engineering and construction management projects, including debris management, highways, interchanges, pavement rehabilitation, street beautification, drainage, water and sewer pipelines, and park facilities as well as private development plan review.

Bill understands the administration of projects that have multiple funding sources, such as federal, state, and local funds. He has also been involved in the review and approval of Water Pollution Control Plans and Stormwater Pollution Prevention Plans for various projects.

**Bill has extensive experience with similar projects and is very familiar with the County procedures and staff;** he recently managed the Construction Management for A Street Basin Weir Reconstruction and the Dump Master Assistance for Debris Removal Tracking at the Foothill Landfill Site for the County of Santa Barbara. He also managed construction for the Montecito Mudslide Emergency Services (Caltrans), San Jose Creem Emergency Repair (City of Goleta), and Linden Avenue and Casitas Pass Road Operational Improvements at US 101 (Caltrans D5).



**Craig Fraki, CPII**  
Construction Inspector

**Firm** MNS

**Experience** 27 total years of experience  
7 years with MNS

**Certification** Certified Public Infrastructure Inspector, APWA;  
Concrete Field Testing Technician, Grade I, ACI;  
10-hour Construction Safety, Cal/OSHA;  
Confined Space Awareness

Mr. Fraki will provide construction inspection for the project. Craig Fraki has significant career experience with construction management, contract administration, and inspection. Craig has served as office engineer and inspector for major public works projects including pipelines, highway, interchange, and bridge projects. Craig has worked on projects that have required extensive and careful coordination with Caltrans, United States Fish and Wildlife, US Army Corps of Engineers, railroad personnel, biologists, and agency staff.

Craig has also inspected and managed complex utility relocation projects that involve constant communication and coordination with various utilities, local water, and sewer districts. His knowledge of construction, attention to detail, and excellent communication skills make him a valuable asset to all project teams.



**John Stage**  
Construction Inspector

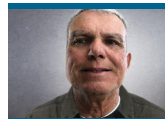
**Firm** MNS

**Experience** 44 total years of experience  
15 years with MNS

**Certification** 10-hour Construction Safety, Cal/OSHA;  
Confined Space Awareness

**Additional** Stormwater Pollution Prevention Plan training

Mr. Stage has considerable career expertise in the construction field. John spent 25 years with the Navy Seabees and over 10 years working on Caltrans and local agency projects, where he has acted in various roles and responsibilities on a wide variety of construction projects. His project experience ranges from public works construction including wastewater facilities, pipelines, bridges, retaining walls, tieback walls, earthwork, roadwork, paving, structures, utilities, storm drains, and miscellaneous concrete to building projects including structural steel, framing, concrete, mechanical, electrical, and plumbing.



**Ken Shaner**  
Construction Inspector

**Firm** MNS

**Experience** 37 total years of experience  
11 years with MNS

**Certification** 10-hour Construction Safety, Cal/OSHA

Mr. Shaner has over 37 years of experience in construction management and inspection, with a strong background in roadway and highway, water and sewer systems, and utility relocation projects.





Ken spent over 20 years as a public works inspector, developing expertise in a diverse range of public works projects including roadways, bridges, flood control improvements, and wastewater facilities. He is highly skilled in crew supervision and project coordination between clients, utilities, contractors, and agencies such as Caltrans. Ken provided construction inspection for the emergency storm damage repair in Montecito (Caltrans District 5).

Thomas Cromwell Construction Inspector	
Firm	MNS
Experience	14 total years of experience 3 years with MNS
Certification	Caltrans CTM 105, 201, 202, 216, 217, 226, 227, 231, 518, 521, 533, 539, 540, 556; ACI Concrete Field Testing Technician Grade 1; ACI Concrete Strength Testing Technician, No. 01171257; Defensive Driving Training; Radioactive Materials Operator (Nuclear Gauge)

Mr. Cromwell has over 14 years of experience as a soils and materials laboratory technician. Thomas performs routine and advanced soil tests in accordance with Caltrans and American Society for Testing and Materials (ASTM) test methods including soil classification, particle size analysis, moisture-density curve, expansion index, cleanness value, and sand equivalent. He also maintains and calibrates laboratory testing equipment and prepares test results for graphs and lab reports.



SECTION 3

# Statement of Work



## Project Understanding

The County is soliciting proposals for the Emergency Operations Management of the Foothill Debris Management Site. This work would be done on an as needed basis during a natural disaster such as a flood or during a wet weather event.

The County is requesting expertise and staffing needs to establish a “Dump Master” at the Foothill Debris Management Site (FDMS) on an as needed basis, assumed to be during an emergency or severe storm event. The “Dump Master” would track all incoming tons and trucks to the facility and using this data, generate daily and weekly reports that would summarize the type and origin of the material delivered as well as the location of disposal. The dump master would also examine the loads of the incoming trucks and direct them to their specific dump locations.

The Foothill Debris Management Site (FDMS) is located on County Road off 4430 Calle Real in Santa Barbara California. It is located on top of the closed Foothill Landfill, which ceased waste-acceptance operations in

1967. The site currently serves the community by providing open space nature trails and houses the Hearts Therapeutic Equestrian Center, which offers a unique therapy experience for troubled and disabled youth. The site is also used for the temporary storage and disposal of material collected by the Public Works Flood Control Division from County managed debris basins located in the foothills of the South Coast of Santa Barbara County. The placement and buildup of material on site must be managed and maintained in accordance with the Engineering and Operations staff of the Resource Recovery & Waste Management Division of the Department of Public Works.

The Dump Master’s responsibilities include management of traffic circulation on an off of the site, tracking of all vehicles that enter the site, tracking of materials that enter the site, and direction of proper location of disposal and/or storage of materials.

Based on our understanding, MNS proposes to provide a full-time Inspector/dump master on an as needed basis in order to track materials deposited at the site. MNS will





work directly with the Facilities Manager and will provide a report of materials deposited on site on a daily basis.

MNS will meet with the SBCFCD Project Manager to discuss schedule, traffic control and haul routes, and lines of communication. At this time, we will verify the protocol for reporting as well as addressing materials tracking in an orderly fashion. The Inspector/dump master will become familiar with the dump site and protocols. Upon notification of pending operations on site, MNS will coordinate directly with the County regarding estimated timelines, estimated quantities, the planned dumping/hauling schedule and upcoming operations.

### Scope of Work

Per the RFP Exhibit A, Statement of Work, we acknowledge the following: Bill Callaghan will be the individual personally responsible for providing all services hereunder. We understand that MNS cannot substitute other persons without prior written approval of the County's Designated Representative.

Our Project Manager (PM), Bill Callaghan, PE, QSD/QSP, and our Inspectors are familiar with County policies, specifications, and Caltrans regulations, policies, procedures, guidelines, and standards. Bill will serve as the County's main contact. As this work is on an as-needed basis, one of our Inspectors will be assigned at the time of need contingent on their availability.

### Traffic Management

MNS will work with the Facilities Manager to direct traffic circulation at the entrance of the FDMS and coordinate with County Operations Staff with traffic issues at the site.

### Reporting

Using Microsoft Excel track materials deposited on-site including vehicle numbers, type and estimated quantity of material delivered by each vehicle, indicate the source of material being disposed, and location of disposal. Reports will be provided daily to the Facilities Manager via email. Weekly totals will be provided to the Facilities Manager via email.

### Communication

MNS will communicate with County staff daily on progress, potential issues, direction, and potential updates to schedules.

### Cost Control and Budget Methodology

Project Cost control is an ongoing task throughout the life of the project. Costs will be carefully managed to contain expenditures within the available budget. The MNS team will aggressively pursue cost savings measures and seek to identify and implement cost reducing opportunities throughout the project.

MNS will maintain a project resource management system to provide management, control, and documentation of resources expended on project construction.

The following items will also be tracked: contract items and change order payments, extra work, supplemental work, item overruns and underruns, and supplemental items. As part of the monthly Progress Pay Estimate review and submittal, the project contingency balance will be verified.



SECTION 4

# STAFFING AND RESOURCE SCHEDULE

Project Staffing Resource Schedule																																
PHASE	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue		
Contract Time (Day)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Role	Staff																													TOTAL HOURS		
<b>CONSTRUCTION</b>																																
Project Manager	Bill Callaghan, PE	2				1			1				1						1								1			1	1	11
CI / Dump Master	TBD (RT)	8	8	8	8	8			8	8	8	8	8			8	8	8	8	8			8	8	8	8	8			8	8	176
CI / Dump Master	TBD (OT)						8						8							8							8				32	
CI / Dump Master	TBD (2OT)						8							8						8							8				32	
Project Coordinator	Celeste Alfino	2				2			1				2						2							2			2	2	17	
<b>PROJECT SUBTOTAL</b>		<b>12</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>11</b>	<b>8</b>	<b>8</b>	<b>10</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>11</b>	<b>8</b>	<b>8</b>	<b>10</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>11</b>	<b>8</b>	<b>8</b>	<b>10</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>11</b>	<b>8</b>	<b>8</b>	<b>11</b>	<b>11</b>	<b>268</b>
<b>TOTAL HOURS</b>		<b>12</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>268</b>	

**NOTES:**

- Schedule based on a 30-day contract period as established by the County of Santa Barbara.
- Prevailing wage rates are subject to PW adjustments. Overtime occurs after eight hours on weekdays and on weekends as noted in PW rate sheets.
- Inspector TBD based on availability at time of need by the County. Rates for specific personnel are provided on form 10H in separate submittal.
- Materials testing not included.





APPENDIX A  
**Resumes**



Name	Role	Firm
<b>Bill Callaghan, PE, QSD/QSP</b>	Project Manager/Construction Manager	MNS
<b>Craig Fraki, CPII</b>	Construction Inspector	MNS
<b>John Stage</b>	Construction Inspector	MNS
<b>Thomas Cromwell</b>	Construction Inspector	MNS
<b>Ken Shaner</b>	Construction Inspector	MNS
<b>Celeste Alfino</b>	Office Engineer	MNS



## Bill Callaghan, PE, QSD/QSP

### Project Manager/Senior Construction Manager



#### Firm

- MNS Engineers, Inc.

#### Areas of Expertise

- Project management
- Pavement rehabilitation
- Construction management and inspection
- Roadways and bridges
- Water and wastewater systems
- Public agency coordination

#### Years of Experience

- 31 Total
- 26 With MNS (since 1994)

#### Licensing

- Professional Civil Engineer, CA No. 64285

#### Certifications

- Qualified SWPPP Developer/Practitioner, CA No. 22772
- Nuclear Testing Gauge Operator No. 011158
- 10-hour Construction Safety, Cal/OSHA
- C2 Workzone Traffic Control
- Confined Space Awareness

#### Education

- BS, Civil Engineering, Stevens Institute of Technology, NJ
- Caltrans Resident Engineer Academy, 1990

#### Awards

- 2014 APWA Project of the Year, San Jose Creek Improvements and Fish Passage
- 2010 APWA Project of the Year, 8<sup>th</sup> Street Pedestrian Bridge Replacement

Mr. Callaghan has a depth of experience in a variety of engineering and construction management projects, including highways, interchanges, pavement rehabilitation, street beautification, drainage, water and sewer pipelines, and park facilities as well as private development plan review. He understands the administration of projects that have multiple funding sources, such as federal, state, and local funds. Bill brings a practical approach to supervision of complex projects. He has also been involved in the review and approval of Water Pollution Control Plans and Stormwater Pollution Prevention Plans for various projects. His experience includes:

**A Street Basin Weir Reconstruction, Santa Barbara County Flood Control and Water Conservation District, Santa Maria, CA.** *Project Manager/Resident Engineer.* This \$235K improvement project was implemented to repair and replace a concrete storm water retention basin and weir due to soil piping, settlement and other erosion factors. The A-Street Basin is located within the City of Santa Maria and is a part of the original Orcutt Regional Recharge Project constructed in the early 1980's. The construction replaced the concrete basin and weir structure in kind while adding improvements to alleviate soil piping and erosion problems. Responsibilities included managing the construction inspection and contract administration; RFI and submittal review; change orders negotiation, Stormwater and BMP management, and weekly project meetings. Bill was also responsible for coordinating with the contractor and the County on a daily basis. The Project was administered in accordance with Caltrans Local Assistance Procedures Manual (LAPM) requirements. (09/2020 to 12/2020).

**Linden Avenue and Casitas Pass Road Operational Improvements at US 101, Caltrans District 5, Carpinteria, CA.** *Assistant Resident Engineer.* This \$52M Caltrans multi-stage construction project along a 1.5-mile stretch of US 101 replaces two interchanges/overpasses over US 101 in the City of Carpinteria, adds a new bridge over Carpinteria Creek to connect Via Real with Casitas Pass Road, upgrades the southbound off-ramp intersection with a new roundabout, and extends the existing Via Real frontage road. Additional improvements include sound walls with architectural treatments along US 101. This challenging project raises the grade on US 101 by 10 feet to provide the capacity for a 100-year storm event for Carpinteria Creek. Construction elements include a new cast-in-





place (CIP) and post-tensioned box girder bridge structure; three bridge replacements (CIP, post-tensioned, and box girder bridge structures); concrete retaining walls; sound walls; reinforced box culverts and drainage improvements; rapid set lean concrete base (LCB) and jointed plain concrete pavement (JPCP); over 25,000 tons of hot mix asphalt (HMA) paving; 12,000 cubic yards of continuously reinforced concrete pavement (CRCP); overhead sign structures; concrete barrier railing and metal beam guard rails (MBGRs); signals and lighting; and multiple utility realignments. Due to several concurrent interchange construction projects at various locations, this project requires constant coordination with the City of Carpinteria, other local agencies, and the public. Located in an environmentally sensitive area, this project also requires special attention to environmental permits.

**Dump Master Assistance for Debris Removal Tracking at the Foothill Landfill Site, County of Santa Barbara, CA. Project Manager/Construction Manager.**

The County required assistance in tracking quantities of debris removal including debris load location, approximate quantity of material, truck descriptions and capacity, driver information, contractor information, and daily reporting (including measurements and photo documentation as necessary) to document and oversee dumping operations at the Foothill Landfill site. MNS provided a full-time Inspector/dump master on an as needed basis to track materials deposited at the site. Bill served as the primary liaison to the County during the removal operations. The MNS team worked directly for the County of Santa Barbara Flood Control District (SBCFCD) Project Manager and provided a daily report. MNS provided construction management and inspection services.

**North Beach Trail Improvement, City of Santa Monica, CA. Construction Manager.** The North Beach Trail is undergoing construction to improve safety and mobility for beachgoers and to renovate Ocean Front Walk north of the Pier with new paving, lighting, and seating. This project widens approximately 2.2 miles of the Marvin Braude Bike and Pedestrian Trail from 14 feet to 30 feet at Santa Monica State Beach. The project will provide a separate pedestrian and bicycle path separated by a concrete buffer. Addition trail improvements include the development of a "Pier Plaza" adjacent to the Santa Monica Pier; installation of new seat walls, lighting, and paving along the oceanfront walk portion of the trail; construction of a new vertical wayfinding path through the center of the 1,550 parking lot; and replacement of the existing 2-foot-high wall under the Santa Monica Pier Bridge. The new bike path is being constructed with plain cement concrete (PCC) with

portions of constructed of hot mix asphalt (HMA). Daily coordination with the adjacent residents, businesses, and the public has been critical throughout the project.

**San Jose Creek Improvements and Fish Passage, City of Goleta, CA. Resident Engineer/Structures Representative.** This \$22M creek capacity improvement project widened approximately 4,000 lf of creek channel to support a 100-year storm event and installed a fish passage to facilitate the movement of endangered steelhead trout. The new channel was constructed with vertical concrete walls consisting of CIDH steel soldier piling with pre-cast and cast-in-place concrete wall sections. The bottom of the channel was constructed using articulated concrete revetment with over 500 tie-down anchors. The project also included constructing a flood wall on west side, fish passage channel with slotted weirs within widened channel, and roadway improvements on Kellogg Avenue south of Hollister Avenue. Additional items included approximately 1,000 CIDH soldier piles ranging from 37 ft to 50 ft long; over 800 pre-cast wall panels; several drainage systems; dewatering and stream diversion; utility coordination; and coordination with several permitting agencies. This project was administered in accordance with Caltrans specification, methods, and procedures. Winner of the APWA Project of the Year.

**Santa Barbara Municipal Airport Storm Damaged Facilities, Santa Barbara, CA. Project Engineer.** Responsibilities included preparing a scope of work to repair damage to airport facilities caused by the winter storms of 1995. He also performed preliminary engineering services and prepared the plans and specifications for review by local agencies, FEMA, Santa Barbara County Flood Control and the US Army Corp of Engineers.

**Cabrillo Boulevard Bridge Replacement, City of Santa Barbara, CA. Resident Engineer.** This bridge replacement is part of the Lower Mission Creek Flood Control (LMCFC) Project. This \$14M project replaced the existing bridge with a wider and longer bridge spanning Mission Creek, a highly environmentally sensitive lagoon and estuary home to several environmentally sensitive species such as the tidewater goby and steelhead. The bridge is located at the outfall of the creek at the ocean. Other project features included stream and estuary restoration downstream of the bridge, significant environmental permit requirements, and coordination with adjacent construction projects in the area. The project is federally funded and administered in accordance with the Caltrans Local Assistance Procedures Manual (LAPM).



## Craig Fraki, CPII

### Construction Inspector



#### Firm

- MNS Engineers, Inc.

#### Areas of Expertise

- Caltrans guidelines and procedures
- Agency and utility coordination
- Project management and inspection
- Contract administration
- Roadways and bridges
- Storm drainage systems
- ADA and accessibility
- Quality control

#### Years of Experience

- 27 Total
- 7 With MNS (since 2013)

#### Certifications

- Certified Public Infrastructure Inspector, APWA
- Concrete Field Testing Technician, Grade I, ACI
- 10-hour Construction Safety, Cal/OSHA
- Confined Space Awareness
- Defensive Driving
- CPR and First Aid

#### Education

- AA, General/Construction Technology, Ventura Community College, CA, 2006

#### Professional Development

- Hot Mix Asphalt seminar
- Stormwater Pollution Prevention Plan (SWPPP) training

Mr. Fraki has significant career experience with construction management, contract administration, and inspection. Craig has served as office engineer and inspector for major public works projects including pipelines, highway, interchange, and bridge projects. Craig has worked on projects that have required extensive and careful coordination with Caltrans, United States Fish and Wildlife, US Army Corps of Engineers, railroad personnel, biologists, and agency staff. Craig has also inspected and managed complex utility relocation projects that involve constant communication and coordination with various utilities, local water, and sewer districts. His knowledge of construction, attention to detail, and excellent communication skills make him a valuable asset to all project teams. Many of his projects involved work within State highways, waterways, and railroads requiring constant coordination with Caltrans. His experience includes:

**Cabrillo Boulevard Bridge Replacement, City of Santa Barbara, CA.** *Construction Inspector.* As part of the Lower Mission Creek Flood Control project, this \$14M bridge and roadway improvement project was constructed at Cabrillo Boulevard and State Street in one of the most tourist-frequented areas in downtown Santa Barbara. This project replaced the existing bridge with a widened and longer bridge spanning Mission Creek, a highly environmentally-sensitive lagoon and estuary. One of the goals of this project was to preserve the architectural integrity of this historic bridge. The project replaced the existing four-lane bridge, sidewalks, and bike path with a four-lane pre-cast/pre-stressed (PC/PS) slab bridge with sidewalks, decorative rail, and lighting. Construction staging accommodated the high level of traffic. Responsibilities included construction inspection of roadway, sidewalks and Americans with Disabilities Act (ADA) ramps, rock slope protection (RSP), earthwork, hot mix asphalt (HMA) paving, utility relocations, drainage improvements, bridge construction, and traffic control. Additional responsibilities included daily reports, on-site and utility coordination, item quantities, tracking extra work, and public outreach coordination.

**North Beach Trail, City of Santa Monica, CA.** *Construction Inspector.* This project includes the widening of approximately 2.2 miles of the Marvin Braude Bike and Pedestrian Trail from 14 feet (existing width) to 30 feet (proposed width) at Santa Monica State Beach. The project will provide a separate pedestrian and bicycle path separated by a concrete buffer. Additionally,



the project includes other trail improvements such as: development of a "Pier Plaza" adjacent to the Santa Monica Pier, new seat walls, lighting, and paving along the ocean front walk portion of the trail, creation of a new vertical wayfinding path through the center of the 1,550 stall 1pt, and replacement of the existing 2-foot high wall under the Santa Monica Pier Bridge. The new bike path is being constructed with PCC with portions of constructed of HMA. Daily coordination with the adjacent residents, businesses, and the public has been critical throughout the project.

**Lower Mission Creek Storm Drainage System, Santa Barbara County Flood Control, CA. Construction Inspector.** This multi-phase, underground concrete box culvert storm drainage system. The project was next to and under Union Pacific Railroad tracks and partially within the Amtrak and Greyhound parking lot. Located in an archeologically sensitive area, a flood zone, a historic design district, Caltrans right-of-way, City of Santa Barbara Parks, and City of Santa Barbara Parking areas, there was extensive coordination required for all utilities, Caltrans, environmental monitors, arborists, design and parks committees, railroad personnel, city and county staff. There were strict time constraints for parking lot and roadway closures that were adhered to. For his exceptional efforts, Craig received the rarely presented "Pendleberry Award for Communications Excellence" by Santa Barbara County Flood Control. (2011)

**Gutierrez Street Bridge Replacement, City of Santa Barbara, CA. Construction Inspector.** This \$5.3M project, located on Gutierrez Street over Mission Creek in downtown Santa Barbara, replaced the existing structurally deficient bridge with a new single span pre-stressed/pre-cast (PS/PC) girder bridge structure—which also improves the hydraulic conveyance of Mission Creek. The project was constructed within Mission Creek involving significant environmental permit requirements including pre-construction surveys and a creek diversion. The new bridge is founded on 36-inch diameter cast-in-drilled-hole (CIDH) piles with pile cap over 15-foot-tall abutments. The project also included construction of soldier pile retaining walls with architecturally treated concrete facia and wall caps; relocation of several utilities; placement of rock slope protection; drainage systems; curb, gutter, and sidewalk; and reconstruction of the roadway approaches. Responsibilities include overall project inspection, daily reports, grade checking, item quantities, and coordination of utilities and materials testing.

**Cathedral Oaks Road Bridge Replacement, County of Santa Barbara, CA. Construction Inspector.** This \$3M bridge replacement project was at the intersection of two main arterial roads. The project was constructed in multiple stages over San Antonio Creek and involved creek diversion, dewatering, and environmental considerations. The project replaced the existing concrete bridge over San Antonio Creek with a one-span, post-tensioned box girder bridge. Additional elements involved roadway widening, cast-in-drilled-hole (CIDH) piles, rock slope protection, waterline relocation, storm drainage, utility relocations, retaining walls, sidewalk with handicap ramps, curb and gutter, traffic signal modifications, street lighting, signage, landscaping, cable railings, hot mix asphalt (HMA) pavement, striping, and landscaping. Responsibilities include overall project inspection, daily reports, grade checking, item quantities, and coordination of utilities and materials testing.

**Chapala Street Bridge Replacement, City of Santa Barbara, CA. Construction Inspector.** This \$3M bridge replacement project was part of the Lower Mission Creek Rehabilitation project. This project constructed a one-span reinforced concrete slab bridge, retaining walls, significant shoring and falsework, architectural concrete railing, dewatering, a creek diversion, earthwork, hot mix asphalt (HMA) paving, drainage, landscaping, and traffic control. This project was constructed with a creek and involved significant permit coordination and was constructed per Caltrans standards and procedures. Responsibilities included overall project inspection, daily reports, grade checking, falsework and shoring review, request for information (RFI) review, item quantities, and coordination of utilities and materials testing.

**Springville Road Interchange at US 101, City of Camarillo, CA. Construction Inspector/Office Engineer.** This \$18M project constructed a four-lane, single bent, 260-foot span, box girder bridge, realigned all utilities and drainage structures, and the connections to Ventura Boulevard and Ponderosa. The project required realignment of US 101 to accommodate stage construction, constructed new northbound and southbound on/off-ramps. The project was constructed in multiple stages to accommodate highway traffic and involved strict environmental requirements and several utility relocations. Coordination with Caltrans, the County, utilities, and adjacent property owners was significant. Other construction elements involved cast-in-place (CIP) piles, boring, dewatering, drainage systems, Portland cement concrete (PCC) and asphalt concrete (AC) paving, profilographing, traffic control, and extensive landscaping. Constructed within Caltrans right-of-way and administered per the Caltrans Local Assistance Procedures Manual.





## John Stage

### Senior Construction Inspector



#### Firm

- MNS Engineers, Inc.

#### Areas of Expertise

- Construction inspection
- Roadwork and paving
- Earthwork
- Drainage systems
- Utility agency coordination
- Caltrans

#### Years of Experience

- 44 Total
- 15 With MNS (since 2005)

#### Certifications

- 10-hour Construction Safety, Cal/OSHA
- Confined Space Awareness
- Defensive Driver
- CPR and First Aid

#### Professional Development

- Stormwater Pollution Prevention Plan (SWPPP) training

#### Awards

- 2014 APWA Project of the Year, San Jose Creek Improvements and Fish Passage
- 2013 TAMC Transportation Excellence Award, Rocky Creek Viaduct at State Route 1
- 2010 APWA Project of the Year, 8<sup>th</sup> Street Pedestrian Bridge Replacement

Mr. Stage has considerable career expertise in the construction field. John spent 25 years with the Navy Seabees and over 10 years working on Caltrans and local agency projects, where he has acted in various roles and responsibilities on a wide variety of construction projects. His project experience ranges from public works construction including wastewater facilities, pipelines, bridges, retaining walls, tieback walls, earthwork, roadwork, paving, structures, utilities, storm drains, and miscellaneous concrete to building projects including structural steel, framing, concrete, mechanical, electrical, and plumbing. John is very familiar with Caltrans methods and procedures. His experience includes:

**San Jose Creek Improvements and Fish Passage, City of Goleta, CA. Construction Inspector.** This \$22M creek capacity improvement project widened approximately 4,000 linear feet of creek channel to support a 100-year storm event and installed a fish passage to facilitate the movement of endangered steelhead trout. The new channel was constructed with vertical walls of cast-in-drilled-hole (CIDH) steel piling—ranging from 37 feet to 50 feet long—with pre-cast concrete wall sections. The bottom of the channel was constructed using articulated concrete revetment with over 500 tie-down anchors. The project also included constructing a flood wall on west side, fish passage channel with slotted weirs within widened channel, and roadway improvements on Kellogg Avenue south of Hollister Avenue. Additional items included approximately 1,000 CIDH soldier piles; over 800 pre-cast wall panels; several drainage systems; dewatering and stream diversion; utility coordination; and coordination with several permitting agencies. This project was administered in accordance with Caltrans specification, methods, and procedures. Responsibilities included daily inspection of all work, grade take-offs and verification, shoring review, tracking item quantities and extra work, safety, and material verification. APWA Project of the Year, Winner.

**Camino Del Remedio Storm Repair, County of Santa Barbara, CA. Construction Inspector.** This storm repair project consisted of excavation and embankment construction to re-establish the existing roadway; stabilizing the creek banks at the toe of the slope with rock slope protection, drilling and placement of 36-inch diameter cast-in-drilled-hole (CIDH) piles under slurry; drainage improvements including drainage ditches, roadway construction; and asphalt concrete (AC) paving.



The project requires significant Stormwater Pollution Prevention Plan (SWPPP) and environmental oversight.

**Dani Creek Retaining Wall on State Route 1, Caltrans District 5/59, Monterey County, CA.** *Construction Inspector.* This \$7.7M Caltrans retaining wall landslide repair project consisted of soldier piles, timber lagging with shotcrete fascia, tieback drilling, placement, and post-tensioning, soil nails, and earthwork. The active nature of this landslide required the use of soil nails to stabilize the slope and maintain the roadway. Responsibilities included inspecting the soldier piles, tiebacks, soil nails, concrete placement, and sampling; providing quantities for progress estimates and daily diaries; grade checking; and drilling log.

**State Route 154 Operational and Safety Improvements, Group II, Santa Barbara County Association of Governments, CA.** *Construction Inspector.* This \$5M project involved modifying and widening four different locations along State Route 154. Work included widening the intersection at State Routes 154 and 246 in Santa Ynez, constructing a 0.70 mile passing lane, widening of the Paradise Road intersection, and widening the Vista Point rest area located near the Cold Springs Bridge. Construction involved a soldier pile and lagging wall, multiple drainage systems with concrete headwalls and inlets, and over 40,000 cubic meters of earthwork, traffic control, and asphalt concrete (AC) paving. This project also included Caltrans construction oversight and coordination as the work was constructed entirely in the State right-of-way. Responsibilities included construction inspection.

**Village at the Park Sports Complex, Pleasant Valley Recreation and Park District, CA.** *Construction Inspector.* This 55-acre park project consisted of mass site grading; roadway construction; over 5,000 feet of water and sewer line installation; three pump stations; dry utility installation; over five miles of RCP and HDPE drainage; electrical and lighting; several buildings; curb, gutter, and sidewalk; AC paving; and extensive landscape and irrigation. The project required significant SWPPP oversight. John also provided coordination between the contractors, utilities, City, and the District.

**California Street Bridge Pedestrian Enhancements, City of Ventura, CA.** *Construction Inspector.* This \$1.3M project created a safer environment for pedestrians, bicyclists, and motorists crossing the bridge while helping to visually distinguish the California Street off-ramp as the entry to historic Downtown Ventura. This project replaced 250 feet of existing low-height pedestrian railing with six-foot high decorative pedestrian railing on the

existing California Street Bridge over US 101; replaced an existing bridge mounted sign; resurfaced the sidewalk area; and added eight ornamental light fixtures. As part of a busy pedestrian route connecting Ventura State Beach to the heart of the historic downtown, a pedestrian detour was constructed to provide pedestrians and bicyclists safe and convenient access through the jobsite. Constructed within City and Caltrans right-of-way, this project was performed in accordance with applicable City and Caltrans standards, methods, and procedures.

**Rocky Creek Viaduct at State Route 1, Caltrans, CA.** *Construction Inspector.* This \$9.5M Caltrans emergency bridge replacement project constructed a 600-foot viaduct structure that spans a landslide area and is supported by seven 54-inch cast-in-drilled-hole piles (CIDH) concrete piles drilled into the steep rocky hillside 230 feet above the ocean. This superstructure included a 9.75-inch concrete deck constructed on six 75-foot-long, pre-stressed, pre-cast box girders in each span and a 600-foot-long parallel soldier pile retaining wall to shore the hillside adjacent to the bridge. Construction occurred in two stages. Stage one accommodated a single open lane of traffic. Stage two accommodated two-way traffic on a portion of structure while the remainder of the viaduct was under construction. Additional project elements included temporary signalized traffic control; drainage improvements; earthwork and grading; hot mix asphalt (HMA) paving; and Stormwater Pollution Prevention Plan (SWPPP) compliance. TAMC Transportation Excellence Award, Winner.

**8th Street Pedestrian Bridge Replacement, City of Carpinteria, CA.** *Senior Construction Inspector.* This project replaced the pedestrian bridge over Carpinteria Creek. The much-used existing bridge was replaced with a one-span steel arch suspension bridge spanning 161 feet. This project required water line relocation and permitting to work in the creek area. This project was state funded and required Caltrans construction administration procedures according to the LAPM. John was responsible for quality assurance, item quantities, tracking extra work, daily reports, material verification, SWPPP inspection, and coordinating with other agencies. This project was state funded and required Caltrans construction administration procedures according to the LAPM. APWA Project of the Year, Winner.



## Thomas Cromwell

### Senior Construction Inspector

#### Firm

- MNS Engineers, Inc.

#### Areas of Expertise

- Soils and materials testing (ASTM, Caltrans, AASHTO) laboratory practices
- Caltrans procedures
- Field density testing
- Batch plant inspection
- Field inspections
- Lab reporting

#### Years of Experience

- 14 Total
- 3 With MNS (since 2017)

#### Certifications

- Caltrans CTM 105, 201, 202, 216, 217, 226, 227, 231, 518, 521, 533, 539, 540, 556
- ACI Concrete Field Testing Technician Grade 1
- ACI Concrete Strength Testing Technician, No. 01171257
- Defensive Driving Training
- Radioactive Materials Operator (Nuclear Gauge)

#### Education

- Engineering coursework, Ventura Community College, Ventura, CA, 2014

Mr. Cromwell has over 14 years of experience as a soils and materials laboratory technician. Thomas performs routine and advanced soil tests in accordance with Caltrans and American Society for Testing and Materials (ASTM) test methods including soil classification, particle size analysis, moisture-density curve, expansion index, cleanness value, and sand equivalent. He also maintains and calibrates laboratory testing equipment and prepares test results for graphs and lab reports. His experience includes:

#### **Caltrans District 5, San Luis Obispo, CA. Construction Inspector.**

- Caltrans D5- 06A2281 TO1; EA 05-1G1503; PIN 05 1400 0113- South **CALTR.150127.23**
- Caltrans D5- 06A2281 TO1; EA 05-330783; PIN 05 1200 0076- South **CALTR.150127.15**

**State Route 46 Widening (Whitley 2B), Caltrans District 5, CA. Construction Inspector/Materials Tester.** This Caltrans project widens State Route 46 from a two-lane highway (one lane in each direction) to a four-lane highway. The project is being constructed in multiple stages and involves significant earthwork, continuously reinforced concrete pavement (CRCP), hot mix asphalt (HMA) pavement, traffic control, drainage structures, and stormwater Best Management Practices (BMPs). (4/2017-present) CALTR.150127.84

**On-Call Construction Engineering and Construction Inspection Services, Caltrans District 5, CA. Materials Tester/Batch Plant Inspector.** Responsibilities consisted of providing on-call field material testing and plant inspection of soils, aggregate base, embankment fill, structure backfill, Portland cement concrete (PCC), and hot mix asphalt (HMA). Projects included the US 101 freeway widening at Fairview Avenue in Goleta, CA, and the State Route 246 Realignment in Mission Hills, CA.

**Springville Road Overcrossing at US 101, City of Camarillo, CA. Materials Tester.** This \$20M project constructed a new six-lane freeway overcrossing and new on/off-ramps at US 101 between Central Avenue and Las Posas Road. The project involved earthwork, Class 2 base, various concrete structures, hot mix asphalt (HMA) paving and rubberized hot mix asphalt (RHMA) paving, and Portland cement concrete (PCC) concrete approach slabs. Responsibilities included performing inspection of earthwork and paving as well as





field sampling and testing and laboratory tests per Caltrans test methods.

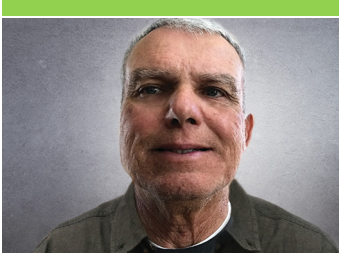
**Sampling and Testing for Various Slurry Seal Projects, City of Glendale, CA.** *Materials Tester.* This project involved sampling and testing for various City streets. Laboratory tests were conducted in accordance to Caltrans test methods.

**American Reinvestment and Recovery Act Road Overlay, Malibu, CA.** *Materials Tester.* The project involved earthwork, hot mix asphalt (HMA) paving, and concrete drainage structures. Responsibilities included performing laboratory tests in accordance to Caltrans test methods.



## Ken Shaner

### Senior Construction Inspector



#### Firm

- MNS Engineers, Inc.

#### Areas of Expertise

- Roadway/highway
- Water/stormwater
- Residential development
- Caltrans

#### Years of Experience

- Total: 37
- With MNS: 11

#### Certifications

- 10-hour Construction Safety, Cal/OSHA
- CPR and First Aid

#### Education

- Soils Inspection and Engineering Certificate, California State University, Long Beach, CA

#### Professional Development

- Guardrail and End Terminals, Caltrans
- Temporary Pedestrian Facilities, Caltrans

Mr. Shaner has over 37 years of experience in construction management and inspection, with a strong background in roadway/highway, water/sewer system, and utility relocation projects. Ken spent over 20 years as a public works inspector, developing expertise in a diverse range of public works projects including roadways, bridges, flood control improvements, and wastewater facilities. He is highly skilled in crew supervision and project coordination between clients, utilities, contractors, and agencies such as Caltrans. His experience includes:

**Emergency Storm Damage Repair, Caltrans District 5, Montecito, CA.** *Construction Inspector.* Ken provided inspection on the mud slide damage along US 101 and State Route 192 in Montecito, CA, as part of the Caltrans on-call contract. Repair and cleanup involved earthwork and grading; mud and debris removal; tracking hauling and disposal of material; and traffic control. Due to the emergency nature of the projects they were administered on a time and materials basis in accordance with Caltrans requirements.

**Prunedale Improvement Project, Caltrans District 5, CA.** *Assistant Resident Engineer.* This \$75M project spanned four areas along an eight-mile stretch of US 101 in the County of Monterey, north of Salinas, CA. The Project realigned over 10 miles of highway in multiple stages; improved the adjacent frontage roads; constructed eight new structures, six concrete and/or soldier pile retaining walls and sound walls, and five reinforced box culverts; and widened one existing structure. Additional elements included over one million cubic yards of earthwork, miles of hot mix asphalt (HMA) and Portland cement concrete (PCC) paving, numerous drainage systems, traffic control, and traffic signals. This was also the first SuperPave project within the State of California. Responsibilities included field construction inspection, field engineering, material verification, daily reports, traffic control, and safety review.

**Los Carneros Road Interchange Landscaping, City of Goleta, CA.** *Construction Inspector.* This interchange landscaping project installed a new irrigation system; planted various shrubs, trees, and grass; placed various sizes of PVC pipe, drip line, sprinklers, control valves, and irrigation controller; provided traffic control; and required extensive coordination with Caltrans throughout the project.



**State Route 1 Widening at Harmony, County of San Luis Obispo, CA. Construction Inspector.** This \$1.2M project replaced and widened one mile of northbound and southbound shoulders and constructed a new left-hand turn pocket. Construction elements included extensive embankment fills and slope excavation, grading, multiple drainage structures, hot mix asphalt (HMA) paving, traffic control, striping, erosion control, and planting. The project also included the protection of multiple endangered species. Located within State right-of-way the project was administered per the Caltrans methods and procedures. Responsibilities included daily inspection, tracking quantities, Water Pollution Control Program (WPCP) inspection, coordination, and submittal review.

**Arroyo Simi Streambed Protection, County of Ventura, CA. Construction Inspector.** This project involved over 3,000 linear feet of streambed protection using 5 tons of rip rap, grouted rock slope protection (RSP) at toe with back drains along length, construction of 24-foot-wide access road on top of levee; and protection of fish habitat and endangered species.

**Eagleberry Street Resurfacing, City of Gilroy, CA. Construction Inspector.** This project involved approximately 3,600 tons of hot mix asphalt removal and replacement; 10,400 square yards of concrete profiling grind; various quantities of minor concrete work; 24 curb access ramp upgrades; thermoplastic marking; and utility adjustments. This federally-funded project required thorough knowledge of the contract administration and filing requirements of federally-funded projects including those administered under the Caltrans Local Assistance Procedure Manual. Project Cost \$1.3MM.

**Norton Street Reconstruction, City of San Mateo, CA. Construction Inspector.** This \$1.5M project repaired several roads in residential neighborhoods in San Mateo. The project included wedge and conform grinding of AC and PCC; pavement fabric; leveling and overlay of asphalt concrete; replacing curb, gutter, and sidewalk; constructing Americans with Disabilities Act (ADA) ramps access ramps with truncated domes; adjusting manholes, valve frames, and covers to grade; storm drain pipe and inlets; and signing, striping, and markings. Additional tasks involved traffic control, potholing, utility coordination, and Stormwater Pollution Prevention Plan (SWPPP). The project required close coordination with the City, contractor and the public to maintain access to the residents during construction.

**City Street Reconstruction, City of San Luis Obispo, CA. Construction Inspector.** This \$700K project involved

street improvement and pavement reconstruction throughout the City. Construction elements included surface grinding, removal and replacement of asphalt concrete, curb and gutter reconstruction, striping and pavement markers, and reconstruction of utility, drainage, and surveying monuments. (2008)

**US 101 Bonded Wearing Course, Caltrans District 5, CA. Construction Inspector.** This \$8M project was an 8-mile pavement rehabilitation project through Santa Barbara utilizing a bonded wearing course involving full width grinding of three lanes, shoulders, and ramps; dig out and repairs at various locations; paving eight miles with a 0.700-inch bonded wearing course; and high intensity thermoplastic striping; pavement markers; and nightly traffic control. The majority of the work was performed at night. Several areas required hot mix asphalt (HMA) leveling course that needed to be field graded in preparation of placing the bonded wearing course to provide a smooth final riding surface. Duties included coordination; daily inspection; traffic control; Stormwater Pollution Prevention Plan (SWPPP) review; calculation of item quantities; and daily reports. (2011)

**State Route 246 Pavement Rehabilitation, Caltrans District 5, CA. Construction Inspector.** This approximately 2.5-mile pavement rehabilitation project spanned from US 101 to the City of Solvang. Utilizing rubberized hot mix asphalt (RHMA), the \$2M project involved full width grinding of the traffic lanes and shoulders; included dig out and repairs at various locations; drainage repairs and improvements at various locations; high intensity thermoplastic striping and pavement markers; traffic control; replace and upgrade traffic signal loops; Stormwater Pollution Prevention Plan (SWPPP); adjustment of utility manholes and vaults to meet Americans with Disabilities Act (ADA) compliance. The project required daily field grading and adjustments in order to maintain the existing flowlines and maintain ADA compliant sidewalk ramps. Responsibilities included coordination; daily inspection; SWPPP review; calculation of item quantities; and traffic control..

**US 101 Rubberized Hot Mix Asphalt (RHMA) Pavement Rehabilitation, Caltrans District 5, CA. Construction Inspector.** This \$12M 6.8-mile pavement rehabilitation project, located in the Gaviota area, involved rubberized hot mix asphalt (RHMA) paving; full width grinding of the traffic lanes, shoulders, and ramps; dig out and repairs at various locations; drainage repairs and improvements at various locations; high intensity thermoplastic striping and pavement markers; traffic control; and Stormwater Pollution Prevention Plan (SWPPP).





## Celeste Alfino

### Office Engineer



#### Firm

- MNS Engineers, Inc.

#### Areas of Expertise

- Construction project administration
- Roadways and bridges
- Water/wastewater treatment plants

#### Years of Experience

- 19 Total
- 5 With MNS (since 2015)

#### Certifications

- Confined Space Awareness
- CPR and First Aid

#### Professional Development

- Stormwater Pollution Prevention Plan (SWPPP) training

Ms. Alfino brings considerable experience in project administration and coordination specializing in transportation projects in the construction industry. Prior to MNS, Celeste worked for a construction contractor for over eight years where she supported project managers with various contract and project administration responsibilities, including project setup and closeout, and overall document control. Celeste is known for her organizational skills and working under high-stress and deadline driven environments. Her experience includes:

**Pfeiffer Canyon Bridge Replacement at State Route 1, Caltrans District 5, CA. Office Engineer.** The Pfeiffer Canyon bridge is a major link along State Route 1 at Big Sur. The winter rains of 2016 caused the existing bridge to become structurally deficient, resulting in the bridge needing to be removed and replaced as an emergency project in order to get the highway open to traffic by the end of summer. The \$35M project was performed entirely on a time and materials basis with work occurring around the clock. The project consisted of the demolition of the existing bridge; clearing and grading of the site; constructing a single-span, 315-foot-long steel girder bridge in a remote location; barrier railing; roadway construction at the approaches; hot mix asphalt (HMA) paving; signage and delineation. Responsibilities included performing all office engineering duties including review and processing of extra work bills, monthly estimates, material certification, project filing, certified payroll, and coordination.

**Palo Comado Canyon Road Interchange Project, City of Agoura Hills, Agoura Hills, CA. Project Coordinator.** This \$12M Interchange Improvement project is being constructed in several stages and includes widening Palo Comado Canyon Road and the Overcrossing over US Route 101 with one lane in each direction and a left-turn lane for the northbound on-ramp. The project widens the shoulders to accommodate Class II bike lanes and sidewalks on both sides of Palo Comado Canyon Road. The northbound on and off ramps are being widened including construction of a new traffic signal at the intersection with Palo Comado Canyon Road, new street and bridge lighting, architectural features, signs and striping, and new irrigation and landscaping. The existing PC/PS I-Girder and T-Beam bridge is being widened on both sides. The project also includes three retaining walls; overhead signs; relocation of several utilities; drainage systems; ramp metering; earthwork; hot mix asphalt (HMA) paving; jointed plain concrete pavement (JPCP); Americans with Disabilities Act (ADA) compliant



curb ramps, driveways, and sidewalks; and adherence to environmental permitting requirements.

**Gutierrez Street Bridge Replacement, City of Santa Barbara, CA.** *Project Coordinator.* This \$5.3M project, located on Gutierrez Street over Mission Creek in downtown Santa Barbara, replaced the existing structurally deficient bridge with a new single span pre-stressed/pre-cast (PS/PC) girder bridge structure—which also improved the hydraulic conveyance of Mission Creek. The project was constructed within Mission Creek involving significant environmental permit requirements including pre-construction surveys and a creek diversion. The new bridge is founded on 36-inch diameter cast-in-drilled-hole (CIDH) piles with pile cap over 15-foot-tall abutments. The project also included construction of soldier pile retaining walls with architecturally treated concrete fascia and wall caps; relocation of several utilities; placement of rock slope protection; drainage systems; curb, gutter, and sidewalk; and reconstruction of the roadway approaches.

**Pedestrian Pathway and Lighting Improvements at the Goleta Boys and Girls Club and Goleta Valley Community Center, City of Goleta, CA.** *Project Coordinator.* This project removed the existing fencing along the parking lots and installed path lighting from Hollister Avenue to the Goleta Boys and Girls Club and Goleta Valley Community Center; replaced wheel parking stops; repair the asphalt parking lot; and provided minor repairs to the pathway. MNS provided construction management and inspection services. Responsibilities included project administration and document control.

**Evergreen Tennis Court Resurfacing, City of Goleta, CA.** *Project Coordinator.* This project reconstructed, repaired, and resurfaced two tennis courts at Evergreen Park. MNS provided construction management and inspection services. Responsibilities included project administration and document control.

**Cabrillo Boulevard Bridge Replacement, City of Santa Barbara, CA.** *Project Coordinator.* As part of the Lower Mission Creek Flood Control (LMCFC) project, the Cabrillo Boulevard Bridge is located at Cabrillo Boulevard and State Street in one of the most touristic areas of Santa Barbara. This \$14M project replaced the existing bridge with a widened and longer bridge spanning Mission Creek, a highly environmentally sensitive lagoon and estuary that is home to several environmentally sensitive species such as the tidewater goby and steelhead. The bridge was located at the outfall of the creek at the ocean. One project objective was to preserve the architectural integrity of this historic bridge.

Therefore, the project included special architectural features consistent with the historic nature of the waterfront area. The project was constructed in several stages to accommodate the high level of vehicular, pedestrian, and bicycle traffic. Ongoing public outreach was a critical element to minimizing the impact to the public as well as the adjacent businesses. The existing four-lane bridge, sidewalks, and bike path were replaced with a four-lane, pre-stressed/pre-cast (PS/PC) slab bridge with sidewalks, decorative rail and lighting. Additional items included demolition of an adjacent building; reconstruction of approaching roadway; construction of reinforced concrete soldier pile retaining walls; temporary stream diversions and coffer dams; significant utility relocations; and construction of a temporary multi-use bridge along the beach boardwalk to maintain bicycle and pedestrian use around the project. Other project features included stream and estuary restoration downstream of the bridge, significant environmental permit requirements, and coordination with adjacent construction projects in the area. The project was federally funded and administered in accordance with the Caltrans Local Assistance Procedures Manual (LAPM). Responsibilities included assisting with project administration, document control, and certified payroll documentation.

**Colorado Esplanade Improvements, City of Santa Monica, CA.** *Project Coordinator.* This project constructed a newly-designed promenade that connects the Expo Light Rail station to Ocean Avenue, the Pier, and the future Palisades Garden Walk park in Santa Monica. The project featured 20 to 30 foot wide sidewalks on the south side of Colorado Avenue, intersection improvements at 4th Street and Ocean Avenue, realignment of Main and 2nd Streets, a separate bicycle facility, and various landscaping and irrigation improvements. Responsibilities included assisting with project administration, document control, and certified payroll documentation.

**Lindero Canyon Road Bridge Improvements at US 101, City of Westlake Village, CA.** *Project Coordinator.* The highly-traveled Lindero Canyon Road corridor is the gateway to the City; this \$6.2M project modified the existing bridge over US 101. The project removed the existing center median; added a travel lane in each direction; removed and replaced the existing exterior barriers with aesthetic treatments; modified the northbound Lindero Canyon Road on-ramp median; and improved related grading, drainage, utility and traffic signals. Responsibilities included assisting with document control and project closeout.



APPENDIX B

# Forms



**Form Name**

Exhibit 10-01

Exhibit 10-02






## Exhibit 10-O1 Contractor Proposal DBE Commitment

January 2019

LOCAL ASSISTANCE PROCEDURES MANUAL

Page 1 of 2

1. Local Agency: County of Santa Barbara      2. Contract DBE Goal: 0%
3. Project Description: Foothill Debris Management Site
4. Project Location: Foothill Closed Landfill – 4430 Calle Real, Santa Barbara, CA 93110
5. Contractor's Name: MNS Engineers, Inc.      6. Prime Certified DBE:

7. Description of Work, Service, or Materials Supplied	8. DBE Certification Number	9. DBE Contact Information	10. DBE %
N/A	N/A	N/A	0%
<b>Local Agency to Complete this Section</b>		<b>11. TOTAL CLAIMED DBE PARTICIPATION</b>	<b>0 %</b>
17. Local Agency Contract Number: _____ 18. Federal-Aid Project Number: _____ 19. Proposed Contract Execution Date: _____ 20. Contractor's Ranking after Evaluation: _____			
Local Agency certifies that all DBE certifications are valid and information on this form is complete and accurate.		IMPORTANT: Identify all DBE firms being claimed for credit, regardless of tier. Written confirmation of each listed DBE is required.	
_____ 21. Local Agency Representative's	_____ 22. Date	 _____ 12. Preparer's Signature	_____ 13. Date
_____ 23. Local Agency Representative's Name	_____ 24. Phone	<u>Greg Chelini, PE</u> _____ 14. Preparer's Name	_____ 15. Phone
_____ 25. Local Agency Representative's Title		_____ Vice President _____ 16. Preparer's Title	_____ 805.896.9474

DISTRIBUTION: Original – Included with contractor's proposal to local agency.

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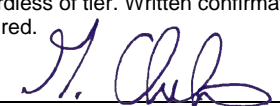
**Exhibit 10-O2 Contractor Contract DBE Commitment**

July 23, 2015

LOCAL ASSISTANCE PROCEDURES MANUAL

Page 1 of 2

1. Local Agency: County of Santa Barbara 2. Contract DBE Goal: 0%  
 3. Project Description: Foothill Debris Management Site  
 4. Project Location: Foothill Closed Landfill – 4430 Calle Real, Santa Barbara CA 93110  
 5. Contractor's Name: MNS Engineers, Inc. 6. Prime Certified DBE:  7. Total Contract Award Amount: TBD  
 8. Total Dollar Amount for **ALL** Subconsultants: N/A 9. Total Number of **ALL** Subconsultants: 0

10. Description of Work, Service, or Materials Supplied	11. DBE Certification Number	12. DBE Contact Information	13. DBE Dollar Amount
N/A	N/A	N/A	0
<b>Local Agency to Complete this Section</b>			
20. Local Agency Contract Number: _____		<b>14. TOTAL CLAIMED DBE PARTICIPATION</b>	\$ 0
21. Federal-Aid Project Number: _____			0 %
22. Contract Execution Date: _____			
Local Agency certifies that all DBE certifications are valid and information on this form is complete and accurate.		IMPORTANT: Identify all DBE firms being claimed for credit, regardless of tier. Written confirmation of each listed DBE is required.	
23. Local Agency Representative's _____	24. Date _____	 15. Preparer's Signature	1/12/2021 16. Date
25. Local Agency Representative's Name _____	26. Phone _____	Greg Chelini, PE 17. Preparer's Name	805.896.9474 18. Phone
27. Local Agency Representative's Title _____		Vice President 19. Preparer's Title	

DISTRIBUTION: 1. Original – Local Agency, 2. Copy – Caltrans District Local Assistance Engineer (DLAE). Failure to submit to DLAE within 30 days of contract execution may result in de-obligation of federal funds on contract.

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