



251 E. MAIN STREET, MOUNTAIN HOUSE, CA 95391
(209) 831-2300 • (209) 831-5610 FAX

CONSULTANT AGREEMENT

CONTRACT ID # A-2223-08

DATE: July 1, 2022

PARTIES:	MHCSD:	Mountain House Community Services District 251 E. Main Street Mountain House, CA 95391
	CONSULTANT:	NV5 2525 Natomas Park Dr., Suite 350 Sacramento, CA 95833

The Parties agree as follows:

1. Priority of Documents:

Each of the items listed below is hereby incorporated into this Agreement by this reference. In the event of an inconsistency in this Agreement, the inconsistency shall be resolved by giving precedence in the following order:

A. Applicable Federal and State of California statutes and regulations, this Agreement and its exhibits.

2. Scope of Professional Services:

Scope of Services for Construction Management and Inspection will be negotiated on a Task-Order basis. For each Task-Order, the CONSULTANT shall provide a scope, budget and schedule based on the Schedule of Billing Rates, included in the attached Statement of Qualification (Attachment A). The Community Development Director will approve the Task Orders. The CONSULTANT shall not do any work prior to the written approval of the Task-Order. The total amount of Task Orders shall not exceed the total contract value. There shall be no substitution of personnel without written approval of MHCSD.

3. Term of Agreement:

This Agreement shall commence on July 1, 2022, and continue until June 30, 2023 unless said work is completed on a date prior thereto or unless terminated earlier as provided herein or otherwise extended in writing by mutual agreement of the Parties. The MHCS D General Manager is hereby authorized to negotiate such extension.

4. Compensation:

The compensation shall not exceed the amount of \$1,500,000 for services performed pursuant to this Agreement. Payments shall be made within 30 days of receipt of invoice from CONSULTANT.

5. Standard of Performance:

CONSULTANT shall perform all Work in a first-class manner in conformance with the standards of quality normally observed by a person practicing in CONSULTANT's profession.

6. Inspection:

All Work performed and materials (if any) provided by CONSULTANT shall be subject to inspection and approval by MHCS D.

7. Invoicing:

Consultant shall submit invoices not more often than once a month during the term of this Agreement based on the cost for services performed and reimbursable costs incurred prior to the invoice date via e-mail to **mhcldbilling@sjgov.org**. Invoices delivered to any other e-mail address will be deemed undelivered and not paid. All invoices must reference this Contract ID Number, the service performed and the Federal Tax Payer Identification Number. Each invoice shall also identify (1) total contract amount (\$), (2) expenses to date (\$), (3) remaining funds per contract (\$), and (4) total amount due per invoice (\$). Additionally, all invoices must also reference the task being billed and include the total budgeted for the task, billings to date, amount of current billing and the balance remaining. Payments will be made against invoices as submitted.

8. Consultant's Status:

In the performance of work, duties and obligations imposed by this Agreement, the CONSULTANT is at all times acting as an Independent Contractor practicing his or her profession and not as an employee of the MHCS D. CONSULTANT shall perform the CONSULTANT's work in accordance with currently approved methods and standards of practice in the CONSULTANT's professional specialty. A copy of CONSULTANT's current business license shall be provided to MHCS D. The CONSULTANT shall not have any claim under this Agreement or otherwise against MHCS D for vacation, sick leave, retirement benefits, social security or worker's compensation benefits. The CONSULTANT shall be responsible for federal and state payroll taxes such as social security and unemployment. San Joaquin County will issue a form 1099 on behalf of MHCS D at year-end for fees earned.

9. Assignments:

Inasmuch as this Agreement is intended to secure the specialized services of the CONSULTANT, CONSULTANT may not assign, transfer, delegate or subcontract their obligation herein without the prior written consent of MHCSD. Any such assignment, transfer, delegation or subcontract without the prior written consent shall be considered null and void.

10. Non-Exclusive Rights:

This Agreement does not grant to CONSULTANT any exclusive privileges or rights to provide services to MHCSD. CONSULTANT may contract with other agencies, private companies or individuals for similar services.

11. Compliance:

CONSULTANT shall comply with all Federal, State and local laws, regulations and requirements necessary for the provision of contracted services. Furthermore, CONSULTANT shall comply with all laws applicable to wages and hours of employment, occupational safety, and to fire safety, health and sanitation.

Pursuant to Section 1771 of the California Labor Code, CONSULTANT and all subcontractors may be required to pay the general prevailing rates of per diem wages, overtime and holiday wages, as determined by the Director of the Department of Industrial Relations, for projects that constitute "public works" projects. The Director's determination of prevailing wage rates is available on-line at www.dir.ca.gov/dlsr/DPreWageDetermination.htm, and is referred to and made a part hereof as though fully set forth herein. California Labor Code Sections 1725.5 and 1771.1 requiring all general contractors and subcontractors to be registered with DIR. Registration can be accomplished through the DIR website by using this link: <http://www.dir.ca.gov/Public-Works/PublicWorks.html>. Contractor shall pay prevailing wages for any Services performed that are subject to such requirements.

CONSULTANT represents and warrants that CONSULTANT possesses all licenses, permits, and qualifications legally required for the performance of the Work. CONSULTANT shall, at CONSULTANT's sole cost and expense, maintain all such licenses, permits and qualifications in full force and effect throughout the term of this Agreement.

12. Indemnification, Hold Harmless and Defense:

To the fullest extent permitted by law, CONSULTANT shall indemnify, hold harmless and defend MHCSD, its directors, officers, employees, agents and authorized volunteers, and each of them, from and against any and all claims, demands, causes of action, damages, penalties, judgments, awards, decrees, costs, expenses, attorneys' fees, losses or liabilities, in law or in equity, of every kind or nature, including but not limited to personal injury, bodily injury, wrongful death, and property damage including any damage to MHCSD's property, arising out of CONSULTANT's alleged negligence, or wrongful acts related to or in connection with CONSULTANT'S performance of duties under the terms and conditions of this Agreement.

To the fullest extent permitted by law, MHCSD shall indemnify, hold harmless and defend the CONSULTANT, its directors, officers, employees, agents and each of them (collectively referred to as "CONSULTANT Indemnified Parties") from and against any and all claims,

demands, causes of action, damages, penalties, judgments, awards, decrees, costs, expenses, attorneys' fees, losses or liabilities, in law or in equity, of every kind or nature, including but not limited to personal injury, bodily injury, wrongful death, and property damage including any damage to the CONSULTANT's property, arising out of MHCSD's alleged negligence, or wrongful acts related to or in connection with MHCSD's performance of duties under the terms and conditions of this Agreement.

13. Insurance:

Before beginning any work under this Agreement, Consultant, at its own cost and expense, unless otherwise specified below, shall procure the types and amounts of insurance described in Exhibit B, incorporated herein, against claims for injuries to persons or damages to property that may arise from or in connection with the performance of the work hereunder by the Consultant and its agents, representatives, employees, and subcontractors. Consistent with the following provisions, Consultant shall provide proof satisfactory to MHCSD of such insurance that meets the requirements of Exhibit B and under forms of insurance satisfactory in all respects, and that such insurance is in effect prior to beginning work to MHCSD. Consultant shall maintain the insurance policies required by Exhibit B throughout the term of this Agreement. The cost of such insurance shall be included in the Consultant's proposal. Consultant shall not allow any subcontractor to commence work on any subcontract until Consultant has obtained all insurance required by Exhibit B for the subcontractor(s) and provided evidence that such insurance is in effect to MHCSD. Verification of the required insurance shall be submitted and made part of this Agreement prior to execution.

14. Discrimination:

CONSULTANT shall not discriminate in the provision of service or in the employment of persons engaged in the performance of this Agreement on account of race, color, national origin, ancestry, religion, gender, marital status, sexual orientation, age, physical or mental disability in violation of any applicable local, state or federal laws or regulations.

15. Notices:

Any notice required to be given pursuant to the terms and provisions hereof shall be in writing and shall be effected by personal delivery or by first class mail, registered or certified, postage prepaid, return receipt requested. Unless otherwise designated by either party in writing, such notices shall be mailed as shown on the first page of this Agreement.

16. Termination:

If the CONSULTANT breaches or habitually neglects the CONSULTANT's duties under this Agreement without curing such breach or neglect upon fifteen (15) working days written notice, the MHCSD may, by written notice, immediately terminate this Agreement without prejudice to any other remedy to which MHCSD may be entitled, either at law, in equity, or under this Agreement. In addition, either party may terminate this Agreement upon sixty (60) days written notice to other party.

17. Conflict of Interest Statement:

CONSULTANT covenants that CONSULTANT, its officers or employees or their immediate family, presently has no interest, including, but not limited to, other projects or independent contracts, and shall not acquire any such interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement. CONSULTANT further covenants that in the performance of this Agreement no person having any such interest shall be employed or retained by CONSULTANT under this Agreement. CONSULTANT shall not hire MHCS D's employees to perform any portion of the work or services provided for herein including secretarial, clerical and similar incidental services except upon the written approval of MHCS D. Performance of services under this Agreement by associates or employees of CONSULTANT shall not relieve CONSULTANT from any responsibility under this Agreement.

18. Drug Free Workplace:

CONSULTANT shall comply with the provisions of Government Code Section 8350 et seq., otherwise known as the Drug-Free Workplace Act.

19. Force Majeure

It is agreed that neither party shall be responsible for delays in delivery or acceptance of delivery or failure to perform when such delay or failure is attributable to Acts of God, war, strikes, riots, lockouts, accidents, rules or regulations of any governmental agencies or other matters or conditions beyond the control of either the seller/contractor or the purchaser.

20. Form Law:

The Laws of the State of California shall govern this Agreement. Venue is San Joaquin County. The provision of this paragraph shall survive expiration or other termination of this Agreement regardless of the cause of such termination.

21. Documents:

All drawings, specifications, documents and other memoranda or writings relating to the work and services hereunder, shall remain or become the property of the MHCS D whether executed by or for the CONSULTANT for MHCS D, or otherwise by or for the CONSULTANT, or by or for a subcontractor operating under the CONSULTANT'S supervision, or direction, and all such documents and copies thereof shall be returned or transmitted to MHCS D forthwith upon termination or completion of the work under this Agreement.

22. Attorneys' Fees:

If a party to this Agreement brings any action, including an action for declaratory relief, to enforce or interpret the provisions of this Agreement, the prevailing party shall be entitled to reasonable attorneys' fees in addition to any other relief to which such party may be entitled.

23. Waiver:

No waiver of any breach of any covenant or provision of this Agreement shall be deemed a waiver of any other covenant or provision hereof, and no waiver shall be valid unless in writing and executed by the waiving party. An extension of time for performance of any obligation or act shall not be deemed an extension of the time for performance of any other obligation or act, and no extension shall be valid unless in writing and executed by the waiving party.

24. No Third Party Beneficiaries:

Nothing contained in this Agreement is intended to or shall be deemed to confer upon any person, other than the parties, any rights or remedies hereunder.

25. Headings:

The headings of the sections and exhibits of this Agreement are inserted for convenience only. They do not constitute part of this Agreement and are not to be used in its construction.

26. Non-Liability of Officials, Employees and Agents:

No officer, official, employee or agent of District shall be personally liable to CONSULTANT in the event of any default or breach by District or for any amount which may become due to CONSULTANT pursuant to this Agreement.

27. Entire Agreement and Modification:

This Agreement supersedes all previous Agreements either oral or in writing and constitutes the entire understanding of the parties hereto. No changes, amendments or alterations shall be effective unless in writing and signed by both parties.

Signatures to follow on the next page

IN WITNESS WHEREOF, MHCS D and CONSULTANT have executed this Agreement on the day and year first written above.

NV5

Mountain House Community Services District,
a political subdivision of the State of California

DocuSigned by:
Brad Riel
By: 0D5EEAF25CE34D3
Brad Riel

DocuSigned by:
Steven J. Pinkerton
By: 4DAD8C075E124D8
Steven J. Pinkerton
General Manager

Date: 6/9/2022

Approved as to Form:

DocuSigned by:
John Bakker
By: 4D33BDE7E6D8453...
John Bakker
General Counsel

Exhibit A: Statement of Qualifications and Billing Rates
Exhibit B: Insurance Requirements

EXHIBIT A
STATEMENT OF QUALIFICATIONS AND
BILLING RATES

[Insert]

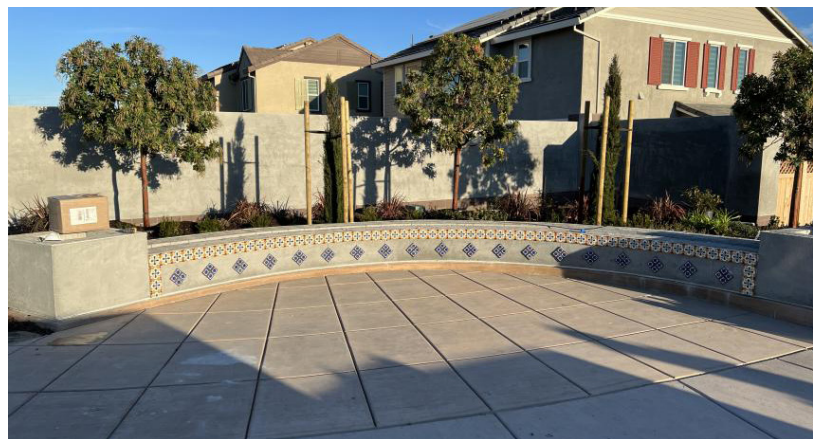
The MHCSD General Manager is authorized to negotiate annual increases to the billing rates in an amount not to exceed three percent (3%) of the billing rates stated herein.

QUALIFICATIONS FOR PROFESSIONAL CONSULTING SERVICES **CONSTRUCTION MANAGEMENT & INSPECTION SERVICES** APRIL 19, 2022

Prepared For:

MOUNTAIN HOUSE COMMUNITY SERVICES DISTRICT
Harold Holland, Community Development Manager
251 E. Main Street
Mountain House, CA 95391

209.831.2300
hholland@sjgov.org



N|V|5

2525 Natomas Park Dr,
Suite 350
Sacramento, CA 95833

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A. Cover Letter

A. COVER LETTER



April 19, 2022

Mountain House Community Services District
 Attn: Harold Holland, Community Development Manager
 251 E. Main Street
 Mountain House, CA 95391

**SUBJECT: Qualifications for Professional Consulting Services -
 CONSTRUCTION MANAGEMENT & INSPECTION**

Dear Mr. Holland,

NV5 is very excited for another opportunity to work with the Mountain House Community Services District and we are looking forward to providing “one-stop” professional construction management and inspection services for the upcoming infrastructure improvements of your planned community.

Our approach to the contract is straightforward – best-in-class construction management services that meet the MHCS D’s quality, schedule, and budget expectations. NV5’s Team provides the right staff to make those goals a tangible reality. Our project manager and construction inspectors have successfully worked together on similar projects.

NV5’S TEAM

NV5 has deep roots in San Joaquin County. The firm is privileged to provide construction management services from our Sacramento office that was established over three decades ago. Our local staff is deeply committed to improving our community and takes pride in successfully completing each project. We are pleased to be part of the upcoming growth in the San Joaquin region at Mountain House!

We have strategically teamed with the following subconsultants. Each of our subs brings a proven track record of successfully completing projects in and around the Mountain House area. Our combined staff represents over 150 construction management experts – resident engineers, roadway inspectors, structural engineers/inspectors, electrical engineers/inspectors, landscape inspectors, architects, traffic engineers, geotechnical engineers, and testing technicians.

SUBCONSULTANT	SERVICE
Advanced Mobility Group (AMG)	Traffic Engineering and Electrical Design
BSK	Geotechnical Engineer and Materials Testing

NV5 is uniquely qualified to provide Mountain House the highest level of construction management and inspection services for the following reasons:

► **FLUCTUATING WORK DEMANDS.** As the construction needs fluctuate, Mountain House needs that flexibility in their staffing. Staffing up when construction is busy and staffing down when construction slows. NV5 has successfully overcome this very issue by making staff retention a priority. Most of NV5’s Central Valley construction management staff has worked for us for over 5 years – indeed, many have been with us for 10 years, and some between 15 and 33 years.

A multi-discipline engineering firm, NV5 deliberately balances our workload between on-call contracts (where we augment the client’s staff) and turn-key contracts (where we provide the entire construction management staff to deliver a project). This balance in project type and multi-discipline approach provides

A. COVER LETTER



the flexibility necessary to retain staff when they are between on-call assignments and allow them to stay close to home, continue working, and be available when the next work assignment arises.

- ▶ **NV5'S DEPTH OF RESOURCES.** With a 100+ strong construction management staff comprised of inspectors, electrical specialists, administrative assistants, material testers, and resident engineers, NV5 has a deep local bench from which we can draw to meet Mountain House's needs. About 85% of our construction management staff lives in California's Central Valley, where our work is focused. Many live and work in and around the San Joaquin County area, where Mountain House is located.
- ▶ **NV5'S WORK AND CLIENT DEDICATION.** Over 90% of our clients are repeat customers. Some of our local come back clients include Mountain House Communities Service District, Caltrans District 10 (for 10 years running now); the counties of San Joaquin and Stanislaus; and the cities of Tracy, Lathrop, Stockton, Modesto, Elk Grove, Keyes, and Ripon. Our local on-call experience is substantial and relevant.
- ▶ **NV5 UNDERSTANDS THE MOUNTAIN HOUSE COMMUNITY SERVICE DISTRICT'S NEEDS AND STANDARDS.** Over the past four years, NV5 has provided inspection services for Neighborhoods D5 and D6 developed by Kamilos Communities, LLC, and multiple neighborhoods for Mountain House Investors and Mountain House Developers. Currently we are working with Shea Homes, K Hovnanian Homes, Mountain House Developers and Mountain House Investors. Our lead inspector, Geno Alarid, has coordinated with Teichert Construction, PG&E, AT&T contractor Smith Denison, and MID on infrastructure, minor concrete, paving, joint trench and verification of construction and testing per the latest Mountain House standards and details. Our inspectors have worked very closely with various members of the Mountain House staff, and are intimately familiar with the processes and procedures involved in making sure infrastructure facilities are installed per the latest Mountain House Standards with the most current approved plans.

With this background, experience, client dedication, flexibility in providing staff, and a large pool of local resources, our NV5 team has a wealth of information and intelligence at their disposal to assist MHCS D in performing oversight, inspection, materials testing and geotechnical engineering successfully.

ACKNOWLEDGEMENT

NV5 has reviewed the terms and conditions of the conflict of interest and have no conflicts.

We sincerely appreciate the opportunity to compete for the on-call construction management contract, and we look forward to your favorable review of our qualifications.

Sincerely,
NV5, Inc.

Brad Riel, PE
Project Manager
Vice President, Operations

CONTACT INFORMATION

Brad Riel, PE
Project Manager
2525 Natomas Park Drive,
Suite 350
Sacramento, CA 95833
P 916.641.9100
C 916.549.9546
brad.riel@nv5.com

B. Qualifications Section

B. QUALIFICATIONS

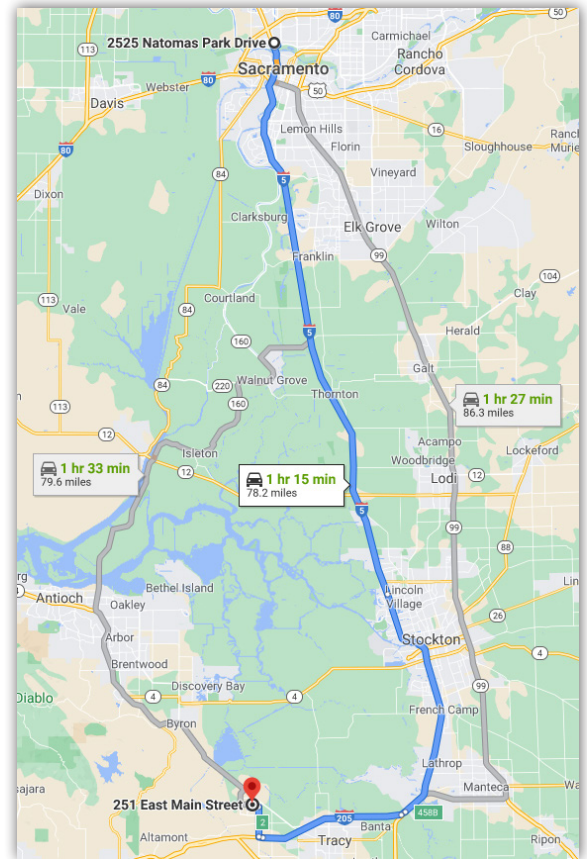
NV5 BACKGROUND AND OFFICE LOCATION

NV5 is a provider of engineering and consulting services to public and private clients, offering solutions through five business verticals: infrastructure, construction quality assurance, utilities, program management and environmental sciences. We provide the expertise to plan, design, and build the infrastructure that links our communities together. Our clients trust us to provide integrated engineering, consulting, and management solutions—regardless of project size or complexity—and we believe that sustainable design principles are a necessity, not a luxury. NV5 clients include federal, state, municipal and local governments, as well as private property owners and quasi-public agencies in the fields of education, healthcare, energy, and utilities.

Construction Management and Inspection services will be provided from our Sacramento office. *This office houses several disciplines which equates to additional resources available to the District and our team, if needed.* Having our resources nearby allows NV5 to respond quickly to any project or District needs. The address and telephone number for our Sacramento office follows:

NV5 OFFICE ADDRESS

2525 Natomas Park Drive, Suite 350
Sacramento, CA 95833
P 916.641.9232



NV5'S LONGEVITY

We are a family of companies with roots back to 1949. For more than 70 years, NV5 has anticipated changes that would impact our clients and has expanded our capabilities in order to deliver sustainable project solutions. We establish relationships that go beyond the realm of the project at hand with our commitment to sustainability, our involvement in our communities and the variety of services we provide.

QUALIFICATIONS AND SERVICES PROVIDED

NV5 has been providing construction management services Northern California since the 1970s. Some of our CM clients include City of Modesto, City of Tracy, San Joaquin County, Stanislaus County and Caltrans District 10 just to name a few. We specialize in both staff augmentation and full service turnkey CM project delivery. In addition, our staff has worked with local cities and counties, and we understand the local specifications and requirements. Currently, we have 100+ construction management staff assigned throughout Northern California. This large number of staff provides us with an exceptional resource, and will assist us with providing the District with the appropriate personnel for each task order.

NORTHERN CALIFORNIA STAFF	
<i>Resident Engineers</i>	15
<i>Structures Representatives</i>	12
<i>Inspectors (Civil, Electrical, Structures, Welding)</i>	69
<i>Office Engineers</i>	16
<i>Project Schedulers</i>	1
<i>Materials Testers</i>	17
TOTAL	130

B. QUALIFICATIONS

We have been providing construction management and inspection services for MHCS D since 2016. In addition, our team includes former Caltrans Construction Senior Engineers, Resident Engineers, and Structure Representatives. We also provide structure and roadway inspectors, materials testers, office engineers, project administrators, structural engineers, architects, Qualified SWPPP Practitioners (QSPs), and Qualified SWPPP Developers (QSDs).

NV5 SERVICES PROVIDED

We have served as construction managers and have provided inspectors for hundreds of local capital improvement programs providing inspection services for multiple pavement rehabilitations, roadway widenings, bridge replacements, utility installations, signalization, electrical improvements, and building projects. Our team members have comprehensive resumes that demonstrate their in-depth experience and role diversity. Our services are tailored to meet our client's needs from providing full construction management teams on large transportation projects to part-time inspection on curb and gutter construction.

In addition, our Sacramento, Fresno, and San Jose offices offer a list of key services that may be needed to assist our construction management staff. A list key of those services is shown to the right.

SUBCONSULTANT SERVICES

In addition to the services NV5 provides, we are teaming with specialty subconsultants as shown below. They each bring a proven track record working on similar projects and a strong reputation for providing superior services.

BSK ASSOCIATES (BSK) | MATERIALS TESTING AND GEOTECHNICAL SERVICES



BSK has been in business for 56 years and provides special inspection and materials testing, geotechnical engineering, and environmental consulting services. BSK currently employs a staff of approximately 200 with offices and laboratories throughout California, Oregon and Washington. Their Livermore, Fresno, and Bakersfield locations also house Caltrans-certified soils and materials laboratories.

With an established office located less than 25 miles from Tracy, BSK will service this contract from their nearby office and laboratory located at 399 Lindbergh Avenue, Livermore, California, which currently has a staff of 32 including 4 registered engineers, 1 registered geologist, 2 geologists-in-training, 1 engineer-in-training, and 20 inspectors and materials testing technicians. BSK has also established a service center local to the Mountain House area located at 252 Larch Road, Suite H, in Tracy. They anticipate performing 100% of the services for this contract from their Livermore office and Tracy Service Center.

ADVANCED MOBILITY GROUP (AMG) | TRAFFIC ENGINEERING AND ELECTRICAL DESIGN SERVICES



AMG is a California Corporation and certified Small Business Enterprise (SBE), established in 2018 to provide comprehensive traffic engineering services and specialized in innovative transportation services to their clients. Their group will assist with traditional engineering/planning services as well as disruptive technologies to empower the private and public sector in early adoption of proven advanced transportation solutions and intelligent infrastructure. AMG is staffed by a 30-member team with offices located in Walnut Creek, Oakland, and San Francisco.

AMG's team of transportation professionals offer a wide range of services that address clients' needs throughout the duration of a project's life cycle from planning to operations and maintenance – including permitting assistance, programming, public engagement, conceptual and final design, plan-checks, schedule analysis, technical services, procurement services, project delivery, construction support, dispute/claims resolution, systems integration, revenue generation, and ongoing infrastructure management.

B. QUALIFICATIONS

ADDITIONAL FIRM INFORMATION

FAMILIARITY WITH MOUNTAIN HOUSE

Five years ago, NV5 began providing inspection services for Neighborhoods D5 and D6 developed by Kamilos Communities, LLC. Our lead inspector, Geno Alarid, coordinated with Teichert Construction, PG&E, AT&T contractor Smith Denison, and MID on infrastructure, minor concrete, paving, joint trench and verification of construction and testing per the latest Mountain House standards and details.

Since 2016, there has been much growth in the Mountain House Communities District. There are more developers active:

- Mountain House Investments
- Mountain House Developers
- Century Homes
- Meritage Homes
- Shea Homes
- K. Hovnanian Homes



Geno has completed housing tracks A1 –A4, B4, B5, D1, D3, D5, and D6 for Mountain House Investors (MHI), as well as offsite improvements for De Anza Blvd Phase1, De Anza Blvd Phase 2, and Teixeira. For Mountain House developers, NV5 has completed Hansen Park and offsite improvements for Grand & Raphael, Byron Road and Mountain House Parkway, and Byron Road and Great Valley Parkway traffic signal modifications. For Shea Homes, NV5 inspected DeAnza Blvd Phase 3, D2/D4, as well as Langston. Geno has coordinated with all the developers and has developed relationships with Teichert Construction (developers contractor of choice).

This work history provides the backdrop for our detailed understanding of Mountain House's latest specifications, and our ability to check in with the designers who have critically analyzed and adjusted every single plan sheet that will be part of the Mountain House improvement projects. This benefits MHCS D by providing our construction management team with the most updated and accurate information such as:

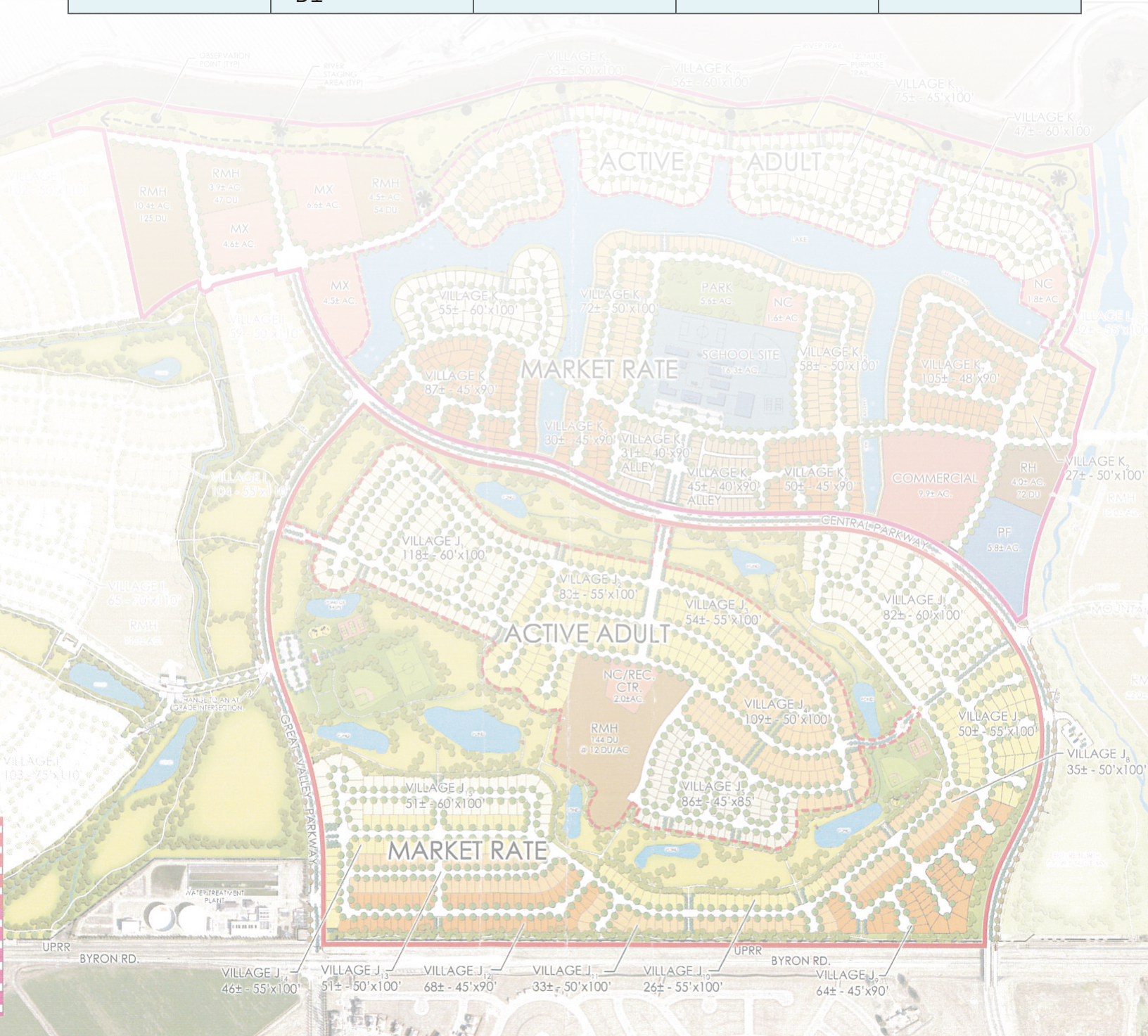
- The latest approved plans and approved plan revisions
- The latest standard Plan modifications to expedite construction at the highest quality
- Advanced knowledge of upcoming work and insight to when things are gearing up or slowing down, to adjust staffing to your fluctuating needs
- Established relationships with MHCS D staff to expedite communication of field issues and solutions
- Familiarity with MHCS D expectations of contractors

NV5 understands the needs of the Mountain House Communities District as it continues to grow with these upcoming and /or on-going projects:

DEVELOPER	NEIGHBORHOODS	ARTERIAL CONSTRUCTION	COMMERCIAL DEVELOPMENT	OTHER
Mountain House Investors (MHI)	<ul style="list-style-type: none"> • A • B 	<ul style="list-style-type: none"> • Grant Line Road, Ph2 • Central Pkwy, Ph 1 & 2 		<ul style="list-style-type: none"> • Water Quality Control Basin • Water Tank - Central Pkwy
Mountain House Developers (MHD)	<ul style="list-style-type: none"> • J • K 	<ul style="list-style-type: none"> • Great Valley Pkwy • Central Pkwy 	<ul style="list-style-type: none"> • Town Center/ Byron Road 	

B. QUALIFICATIONS

DEVELOPER	NEIGHBORHOODS	ARTERIAL CONSTRUCTION	COMMERCIAL DEVELOPMENT	OTHER
Shea Homes	<ul style="list-style-type: none"> Langston Briar Square 			
K Hovnanian Homes	<ul style="list-style-type: none"> B2 B3 D1 			



C. Approach, Experience & Expertise

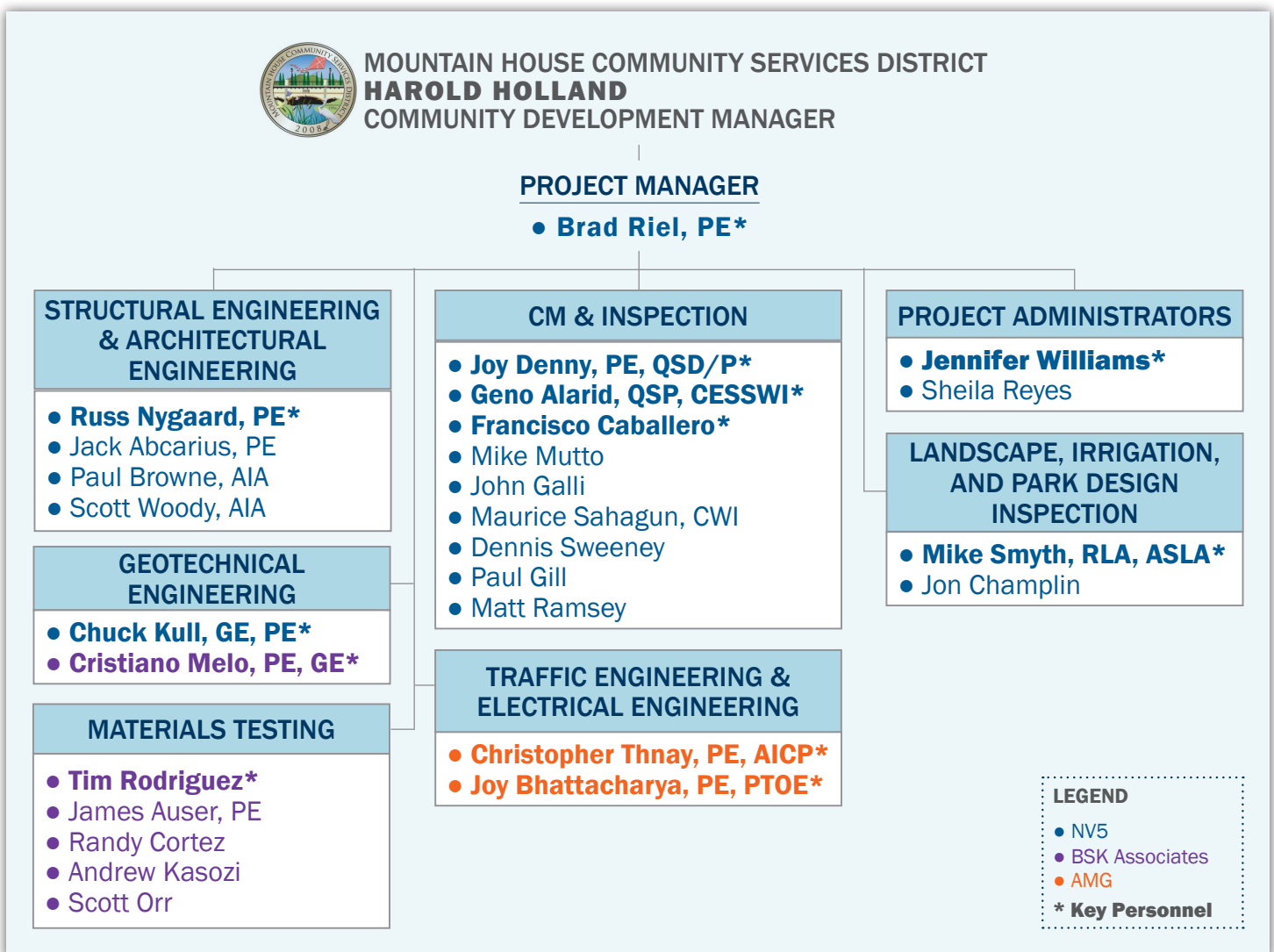
C. APPROACH, EXPERIENCE & EXPERTISE

ORGANIZATIONAL CHART

NV5 assembled our team specifically for the District's upcoming needs, and "one-stop shop" in mind. Our team, shown in the Organizational Chart below, provides a diverse and experienced staff for in-tract subdivision, roadway and arterial projects, city facilities, parks, and utilities work. Shown below is a small sampling of our construction management staff of over 130 people in Northern CA. This large number of staff provides us with an exceptional resource, and will assist us with providing the District with the appropriate personnel for each task order.

Our well-diversified staff includes both licensed resident engineers, structures representatives, architects, transportation engineers as well as seasoned inspectors with a range of experience and expertise. BSK Associates will assist our team with material testing and geotechnical engineering services from their local Livermore lab. They are fully equipped with certified testers and licensed geotechnical engineers to quickly respond to project needs as they arise.

No staff substitutions will be made without MHCS D approval.



C. APPROACH, EXPERIENCE & EXPERTISE

EXPERIENCE AND AREAS OF EXPERTISE

NV5 has provided construction management services in Northern California for over 40 years. Over the past 10 years we have managed, inspected, and delivered more transportation construction projects in the San Joaquin Valley than any other firm. This is due to the expertise of our staff, the success of our past projects, and our proven approach to truly serve as the owner's representative.

Our CM workload is balanced between on-call staff augmentation and full turn-key construction management services. This balance of projects helps to develop staff and maintain the flexibility to maintain staffing levels on multiple projects. This means we are better adept at providing the best qualified staff for Mountain House's future development.

EXPERIENCE WITH ON-CALL CONSTRUCTION MANAGEMENT PROJECTS

NV5 has been providing construction inspection services to MHCS D for the past five years. Our knowledge and understanding of the MHCS D Standard Specifications and Details is second to none. We will have no learning to get up to speed. We understand how important it is to enforce these Standards to ensure quality, uniform construction from developer to developer, contractor to contractor, and neighborhood to neighborhood.

Our team will bring significant benefits to Mountain House:

- **WE ARE A LOCAL TEAM** and have been providing construction inspection services for Mountain House since 2016.
- **WE UNDERSTAND MHCS D'S UNIQUE DESIGN AND CONSTRUCTION STANDARDS** and will confirm that construction conforms to the quality and aesthetics of the Mountain House Community.
- **WE HAVE STRONG WORKING RELATIONSHIPS** with MHCS D, the local developers, contractors, testers, and utility companies and will use these associations to facilitate quick solutions to field issues.

Over the past five years we have provided similar on-call construction management services for numerous local agencies in Northern California. Some of our current on-call clients include:

- City of Sacramento Public Works Department
- City of Stockton
- City of Manteca
- City of Modesto
- City of Tulare
- City of Bakersfield
- Placer County
- Contra Costa County
- San Joaquin County
- Stanislaus County
- Kern County
- Caltrans Districts 6, 9, 10 and 59 (Structures)
- San Joaquin Council of Governments (SJCOG)
- Merced County Association of Governments (MCAG)

These on-call contracts have included inspection and management of roadway construction, pavement rehabilitations, bridge construction, underground utility installation, and encroachment permit work. Through these "staff supplementation" projects, we have learned to provide a variety of different services. We tailor our services to meet our clients' needs and range from full construction management teams on large roadway widening projects to part-time inspections on curb and gutter construction.

BSK understands that Mountain House Community Services District is looking for a Geotechnical Consulting and Materials Testing firm that will be on-call, responsive, cost-effective, and be a part of the team working with its Public Works personnel and other stakeholders. Within the Bay Area and Central Valley, BSK currently holds similar on-call contracts with the Cities of Berkeley, Brentwood, Dublin, El Cerrito, Fremont, Livermore, Modesto, Pinole, Pleasanton, San Ramon, Tracy, Turlock, and Walnut Creek as well as with Alameda, Contra Costa, Santa Cruz, and Stanislaus Counties. Through these contracts, they have demonstrated their ability to augment each agency's staff and provide services reliably throughout a large geographical area in accordance with each agency's local Quality Assurance Plan or project-specific Special Provisions. Furthermore, these contracts have been serviced by the same BSK key staff members that they

C. APPROACH, EXPERIENCE & EXPERTISE

propose to utilize for this contract, and their recently established service center in Tracy that will further support their ability to provide prompt response to service requests.

It is AMG's understanding that their team will provide various on-call plan checks traffic engineering services, as needed, in support of the Mountain House projects. The scope of work for each project will be established prior to the issuing of a task order; projects may include all phases of the project development and may include but are not limited to the category outlined in the RFQ. The specific services provided by AMG for this RFQ will focus on traffic signal plans, signing and striping plans, lighting plans, joint trench and traffic control plans, traffic geometrics, traffic engineering, transportation planning, signal timing, Intelligent Transportation Systems, communication system design, traffic study, and other related services. AMG's team of proven and respected transportation professionals can easily focus on and achieve MHCSO on-call traffic engineering services. We will proactively respond to the wide range of services required by MHCSO.

AMG understands the process, challenges, and expectations of an on-call and plan-checks contract. Their deep understanding and experience will help streamline the process and help save time and cost. AMG's staff has worked on many on-call and plan-checks contracts with local communities and agencies such as:

Cities of Alameda, Concord, Belmont, Dublin, Hayward, Orinda, Patterson, Palo Alto, Stockton, San Ramon, San Carlos, and Tracy; San Mateo County Transit District, AC Transit, Caltrain, San Francisco County Transportation Authority, San Francisco Municipal Transportation Agency, California Department of Transportation (Caltrans)

It should be noted that nearly all AMG staff listed in this RFQ has served as on-call and plan-checks for some agencies at some point in their career. For example, our staff has current on-call and plan-checks services in the cities of Mountain House, Patterson Alameda, Concord, Dublin and Hayward.



C. APPROACH, EXPERIENCE & EXPERTISE

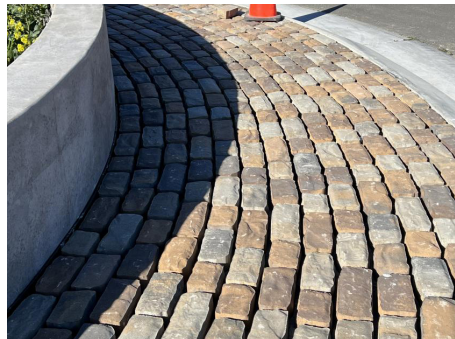
ON-CALL CONSTRUCTION MANAGEMENT & INSPECTION SERVICES | MOUNTAIN HOUSE, CA

NV5 is providing Construction Management and Construction Inspection services to the Mountain House Community Service District (MHCS D). MHCS D is a master planned community services district serving a population of more than 15,000 residents in an area of approximately 7.5 square miles. MHCS D engaged NV5 to inspect and oversee the construction of a variety of improvements as part of the private development and ensure that the contractor(s) are complying with all relevant standards, details and specifications, design manual, approved plans and project specifications. Improvements include storm drain systems, sewer systems, waterlines, roadway construction, curb, gutter and sidewalks, joint trench and utility installation, streetlights and signals, and parks and landscaping.

Inspector responsibilities include field inspection; receive and review contractors submittals for compliance with project plans, specifications and MHCS D standards, manage RFI's and document daily activities

Oversight provided for MHCS D includes:

- Verify compliance with approved contract documents and MHCS D standard details.
- Monitor Contractor SWPPP Conformance
- Authenticate that Contractor adheres to testing frequencies per the MHCS D QC Matrix
- Coordinate Joint trench for MHCS D communication, signal and lighting conduits
- Inspect and verify Contractor maintains separation of utilities per State Health Requirements and MHCS D details UU01 through UU23
- Oversee details on parks and landscaping projects
- Provide efficient resolution to field clarifications and issues that arise from day to day



PROJECT INFORMATION

OWNER

Mountain House Community Services District

CONTRACT DATES

2016 - Present

NEIGHBORHOODS COMPLETED

*D5 Project
D6 Project
Meadowview D1 Project
Fontina D3 Project
Neighborhood D SP III Landscape
A1 Tract 3605
A2 Tract 3606
A3 Tract 3607
A4 Tract 3608
B4 Tract 3613
B5 Tract 3614
D2/D4 Tract 3670
Briar Square
Langston Tract 3978
Hansen Park
Storm Water Quality Basin
Central Parkway Phases 1 & II
Grant Line Road
Raphael & Grand Projects
Town Center/Byron Road
Byron/Great Valley Parkway Traffic Signal*

NEIGHBORHOODS UNDER CURRENT CONSTRUCTION

*Central Parkway Phase 1
Grant Line Road Phase 2
NHB In Tract and LS
Water Quality Basin 2 & Delta Tanks
D2, D4 In Tract & Offsite
D5, D6 Offsite
B2, B3 In Tract Landscape
Redrose Montessori School
NH Parkway/Byron/Grand/Raphael*

C. APPROACH, EXPERIENCE & EXPERTISE

ON-CALL CONSTRUCTION MANAGEMENT SERVICES | STANISLAUS COUNTY, CA

NV5 has been providing construction management services to Stanislaus County for 18 years, on both large turnkey projects as well as through their on-call projects list. We have provided full service CM teams that delivered complex interchange projects and large scale storm drain and utility projects. We have provided staff augmentation on numerous roadway widenings; roadway reconstruction and rehabilitation, including pavement overlay and striping layout; street lighting and traffic sign and signal installation. On-call projects completed within the past five years include:

- Claribel Road and Roselle Avenue Intersection Project (2019)
- Bentley and Warnerville Road Reconstruction Project (2018)
- Geer Road / Santa Fe Avenue Intersection Improvement Project (2018)
- Geer Road / Whitmore Avenue Intersection Improvement Project (2018)

PROJECT INFORMATION

OWNER

Stanislaus County

CONTRACT DATES

2014 - Present



ON-CALL CONSTRUCTION MANAGEMENT SERVICES | SAN JOAQUIN COUNTY, CA

NV5 has been the prime consultant providing construction management, inspection and material testing services for the Caltrans District 10 (Central Region) for the past 14 years. We have up to 30 individuals assigned throughout the district at any given time. Services include quality assurance inspection, assistant resident engineer duties, CPM scheduling, and field materials testing. Our inspectors are responsible for inspecting all day-to-day construction activities, including monitoring public safety and convenience, and SWPPP. Our assistant resident engineers are responsible for preparing correspondence, coordinating and chairing meetings with the contractor, making field determinations and change order recommendations, and reviewing potential claims and preparing responses and reports. **A partial list of on-call projects completed within the past five years include:**

- State Route 99 Widening, Manteca and Stockton (2017)
- State Route 99 Rehabilitation, Salida (2016)
- Interstate 5 North Stockton Improvements, Stockton (2016)
- SR4 Widening Bacon Island Rd to San Joaquin River Bridge (2015)

PROJECT INFORMATION

OWNER

Caltrans District 10

CONTRACT DATES

2006 - Present



ON-CALL CONSTRUCTION MANAGEMENT SERVICES | PLACER COUNTY, CA

NV5 has been providing construction management services for Placer County since 2010. Services have included full turn-key construction management, construction inspection, and materials testing services, as well as on-call staff augmentation for a variety of capital improvement projects, public and private land development projects, and bridge retrofit and replacement projects. On-call projects within the past five years include:

- HSIP Safety Improvement Project (Current)
- Alpine Meadows Road Bridge Replacement Project (2015)
- Foresthill Road Bridge Seismic Retrofit And Paint Project (2014)

PROJECT INFORMATION

OWNER

Placer County

CONTRACT DATES

2010 - Present

C. APPROACH, EXPERIENCE & EXPERTISE

ON-CALL CONSTRUCTION MANAGEMENT SERVICES | SACRAMENTO, CA

NV5 has provided on-call construction services to the Public Works and Utilities departments for more than 15 years on a variety of projects. We are currently providing inspection services for eight task orders. Projects including street rehabilitations, roadway and bridge widenings, signal and street light installation, ADA ramp upgrades, sewer and storm drain replacements, water line installation, water meter replacements, encroachment permit work, park and landscaping construction, and program management services. On-call projects within the past five years include:

- Encroachment Permits for Public Works Department (Current)
- Romona Avenue Extension (2019)
- Upper Sacramento Sewer Replacement Project (2017)
- 41st/42nd Street Sewer Replacement (2017)
- Reconstruction Of Sumps 40 and 146 (2017)
- Pipe Bursting Sewer Replacement Group 1 and 2 (2017)
- Upper South Sacramento Drainage Canal Sewer Replacement (2017)
- North Sacramento Water Meter Retrofit (2017)
- Howe Avenue ARV Relocation (2017)
- East Sacramento Water Main Replacement Phase 2 (2017)

PROJECT INFORMATION

OWNER

City of Sacramento

CONTRACT DATES

2006 - Present



ON-CALL CONSTRUCTION MANAGEMENT SERVICES | MERCED, CA

NV5 has been providing construction management services to Merced County for 9 years, on both large turnkey projects as well as through their on-call contract. We have provided full service CM teams that delivered complex roadway, expressway, and interchange construction projects. We have also provided Resident Engineer and construction inspection services for smaller roadway rehabilitation, intersection improvement, and bridge replacement projects, as well as emergency repair projects. These projects include features such as new signalized intersections, roundabouts, sidewalks, bike paths, curb & gutter, concrete medians, ADA compliant curb ramps, storm drain inlets and culverts, signing and striping, and electrical work related to street lighting and traffic signals. Recently completed and current projects include:

- Atwater Merced Expressway / SR 99 Interchange Project (2016)
- La Grange Bridge Emergency Repairs (2019)
- Hills Ferry Road Emergency Repairs (2019)
- Campus Parkway and Childs Avenue Intersection Signalization Project (2020)
- Campus Parkway, Segment 2 (2020)
- Childs Avenue Rehabilitation Project (2021)
- Campus Parkway, Segment 3 (Current)
- Santa Fe & Childs Avenue Intersection Improvements Project (Current)
- Los Cerritos Road over Dry Creek Bridge Replacement (Current)

PROJECT INFORMATION

OWNER

Merced County

CONTRACT DATES

2013 - Present



C. APPROACH, EXPERIENCE & EXPERTISE

ON-CALL MATERIALS TESTING AND SPECIAL INSPECTION SERVICES | TRACY, CA

BSK currently holds an on-call services contract with the City of Tracy for Materials Testing and Special Inspection Services. Projects thus far have included materials testing for pavement rehabilitation projects, sanitary sewer replacements, infrastructure for residential developments, and construction of public facilities including the City of Tracy Senior Center. Services to date have included materials testing of subgrade materials, aggregate base, hot-mix asphalt pavement and slurry seal, and special inspections for structural steel, reinforced concrete, structural masonry, prefabricated members, and post-installed anchorage.

PROJECT INFORMATION

OWNER

City of Tracy

CONTRACT DATES

2018 - Present

ON-CALL TRAFFIC ENGINEERING SERVICES | HAYWARD, CA

AMG is providing on-call and transportation engineering and staff augmentation services for the City of Hayward with the following services:

- General Engineering & Plan-Checks: Plan-Checks review, conduct safety analysis, including SWITRS analysis to identify high accident levels and conduct other day to day engineering.
- Traffic Impact Studies (TIS): Prepare TIS guidelines for the City in accordance with the City's latest General Plan update.
- Grant Applications: Assist City with grant applications including TFCA, ATP, HSIP, Safe Routes to School, Section 130 etc.
- Transportation Planning: Update and review City model on as needed basis. AMG staff responsibilities also include assisting the City in identifying critical issues with respect to planning documents and plans released from Alameda CTC and Caltrans.
- Signal Timing/SCATS & Traffic Operations: AMG staff act as the liaison between Transcore and the City to resolve any issues with the signal timing system and prepare and/or review traffic signal timing plans as needed.

PROJECT INFORMATION

OWNER

City of Hayward

CONTRACT DATES


2014 - Present

C. APPROACH, EXPERIENCE & EXPERTISE

PERFORMANCE REVIEW PROCESS

NV5 just went through the new Mountain House Community Services District implementation of the Task Order Performance Evaluation System for evaluating performance of its consultants providing services. NV5 has a proven track record of meeting our clients needs on schedule, quality, scope, and budget. This is evidenced by our long-standing relationships and our ability to successfully win successive contracts with our on-call clients, as noted in our project experience section on the previous pages.

We received Satisfactory marks in every category for every task order!

MOUNTAIN HOUSE TASK ORDER PERFORMANCE EVALUATION	
Byron & Great Valley Traffic Signal Construction	SATISFACTORY RATINGS ON ALL CATEGORIES 
Central Parkway Ph 1 & Ph 2 Construction Inspection	
Cordes Elementary School Construction Inspection	
D-1 In-Tract Construction Inspection	
D-1 Off-Site Construction Inspection	
D2/D4 In-Tract Construction Inspection	
D2/D4 Off-Site Construction Inspection	
D3/D5/D6 In-Tract Construction Inspection	
D5/D6 Off-Site Construction Inspection	
Grant Line Road Ph2 Construction Inspection	
Hansen Park Construction Inspection	
Langston Construction Inspection	
Mountain House Parkway & Grand Raphael Construction Inspection	
Mountain Technology Center Construction Inspection	
NH A In-Tract Construction Inspection	
NH B In-Tract Construction Inspection	
WQB#1 & Delta Water Tank Construction Inspection	

APPROACH TO PROJECT AND PROJECT MANAGEMENT

NV5's approach to Mountain House's projects is straightforward: provide an experienced and responsive Project Manager, knowledgeable MHCS D's needs and the work to be done; allocate our depth of resources and expertise to provide qualified and efficient inspection; provide quality field inspection, communication, coordination and documentation to ensure the arterial and neighborhood improvements progress timely and to the highest standards.

Brad Riel, P.E., will serve as project manager. As the Vice President/ Operations Manager for NV5's Northern California construction management practice, he brings 32 years of experience managing local roadway, highway, and bridge improvements. He has served MHCS D in this capacity since 2016. Geno Alarid will continue to serve as our lead inspector. As needs arise Brad will work with Geno and the District evaluate the need for staffing adjustments.

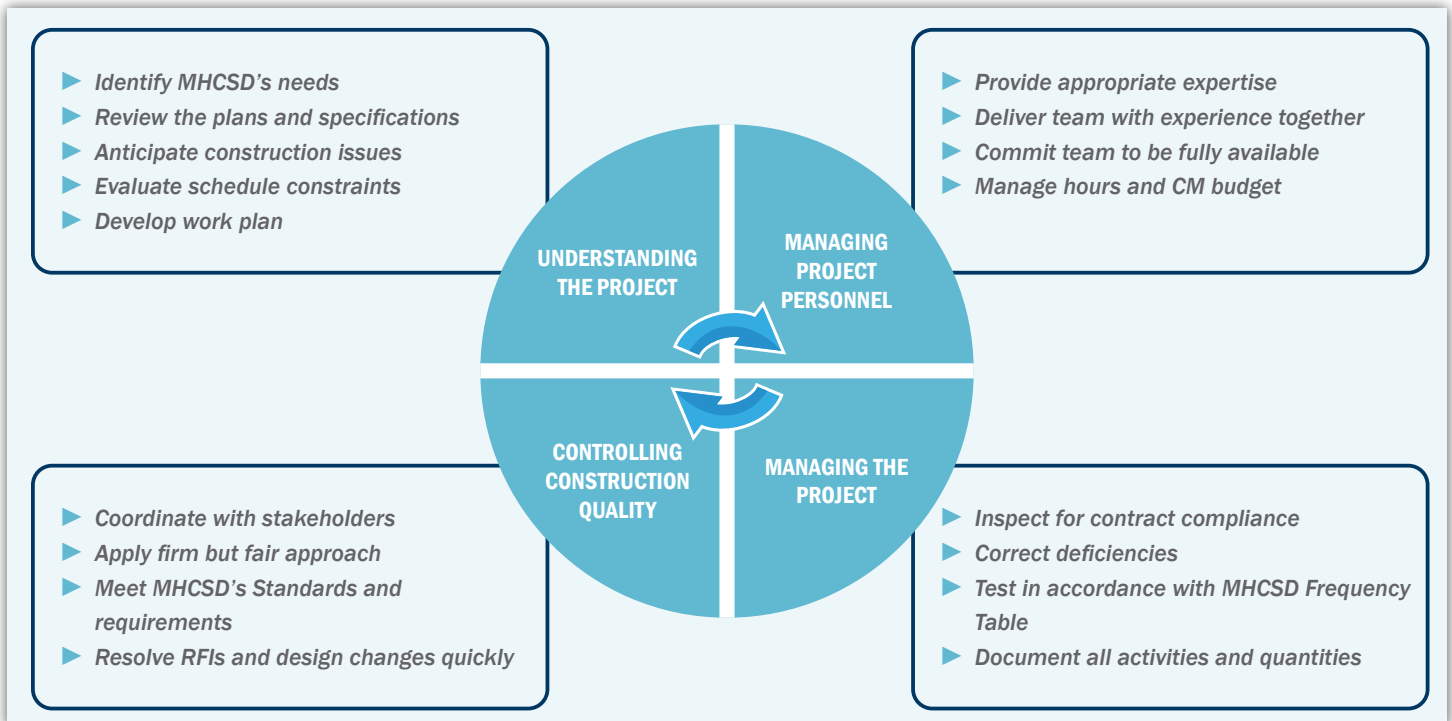
Before work begins, our practice is first to understand the needs of the project and then meet and exceed your expectations. This includes:

- Understanding the project requirements, the District's specific needs, and developing a customized management approach to each project
- Evaluating our widely specialized staff to provide the best most experienced and capable personnel

C. APPROACH, EXPERIENCE & EXPERTISE

- Constructing a quality product by understanding and meeting the MHCS D Standard Specifications and Details
- Providing clear and accurate project documentation to chronicle construction progress, material testing results, and contract compliance
- Maintaining worker and public safety throughout all construction activities
- Employing clear, honest and persistent communication with all project stakeholders, including the District, the contractor, the developer, and utility companies
- Minimizing risks of delays and rework staying ahead of the contractor, identifying issues early, and shepherding quick responses to RFIs.
- Recommending formal project approvals by MHCS D after verifying all work is in contract compliance.
- Signing off on as-built plans after the acceptance of each project.

The diagram bellows illustrates our approach to managing your projects.



SCHEDULE, QUALITY AND COMPREHENSIVENESS

SCHEDULE ADHERENCE

During Construction, NV5 actively participates in schedule adherence of the Contractors work. As soon as an RFI is submitted to Geno, he is able to shepherd the RFI through the process to get answers quickly and keep construction rolling.

Currently, Geno attends the Contractor's weekly progress meetings. By knowing the upcoming work, he can address potential schedule impacts such as construction issues, field conflicts, and required construction staking, with the project team before they become critical. Our PM, Brad Riel, PE will assume this role in the upcoming year as the growth and needs of MHCS D expands.

TRACT ACCEPTANCE

NV5 is knowledgeable in the MHCS D process and goal for accepting a neighborhood tract a year after occupancy. Tract acceptance requires a detailed punch list of items the Contractor needs to finish or repair, specific documentation that items on the punch list are addressed and detailed, and accurate as-built plans are provided to the District.

C. APPROACH, EXPERIENCE & EXPERTISE

As MHCS D construction activity increases, and more tracts are ready for acceptance, NV5 can provide administrative assistance and support to Geno on an as needed basis in order keep up with the needs and time frames of the District.

QUALITY CONTROL/QUALITY ASSURANCE

NV5 serves as the front line of quality assurance of the contractor's work, and also serves as the District's eyes and ears in identifying potential issues like utility conflicts, schedule impacts, and design ambiguities, before they occur. We will coordinate and oversee contractor's operations to verify sequence of construction, frequency of testing, review test results, verify compliance with contract documents and Mountain House Standard details. In addition, we will verify that the contractor is performing work safely, adhering to SWPPP BMP installation and maintenance and maximizing public access and convenience.

We utilize many tools to document progress and correspondence on projects. We use video and digital photography to document existing conditions, major features, and construction progress. Daily diaries, a core feature of project documentation, will record activities performed, contractor personnel onsite, equipment used, critical conversations involving scope changes, and will also include pictures of work completed. Utilizing our CMIS software, our searchable diaries are available to MHCS D at all times.

BSK's Daily Field Reports are typically completed digitally using BSK's automated report processing and distribution system, MetaField© and will be provided to the predetermined representative(s) daily following completion of each requested service. Non-conforming test results will be immediately relayed to the designated City contact. At the completion of laboratory tests, a preliminary report will be emailed immediately and formally delivered within one day of completion and reviewed by Mr. Randy Cortez, Laboratory Manager. All geotechnical related field reports will be reviewed by geotechnical staff under the supervision of Mr. Cristiano Melo, Geotechnical Group Manager. Summary reports are processed biweekly incorporating all information for the reporting period and formally delivered via email to the designated City representative(s). As is required for federally funded projects, final reports will be provided upon project completion incorporating all necessary test data and documentation required for timely project closeout.

COORDINATING WITH UTILITIES

Because utility company schedules are managed independently of MHCS D's construction projects, we are prepared to handle utility conflicts to mitigate potential delay impacts during the construction process. Overhead and underground utilities are often scheduled to be relocated prior to or during construction projects. If any utilities have not been relocated before the Notice to Proceed, we will begin working directly with each utility company to accelerate its work. In addition, we will collaborate with the contractor to develop strategic work-around and re-staging options to accommodate scheduled road work.

CONTROLLING COST

One of NV5's most important roles as the construction manager is to control costs throughout construction. We look for creative field solutions by taking a proactive approach in coordinating issues and solutions with MHCS D and advising the contractor quickly about issues before they become problems.

We minimize re-work by holding the contractor accountable to the contract requirements. We instill in our staff that by knowing the project plans, specifications and MHCS D details better than the contractor, contractor delays can often be avoided.

We will also work with you to control NV5's construction management budget. First, we will identify the needs of a specific task orders and assign the most qualified staff. In selecting staff for a particular task order, we will strive for maximum efficiency. For instance, if a project requires a Resident Engineer and an Inspector, many of our proposed staff can fulfill both roles. For example, Geno Alarid has done this for MHCS D task orders for various improvements and tracts. Secondly, we will look for opportunities to increase our staffing levels in conjunction with the needs of MHCS D's development field activities and overall progress. Our local presence makes it easy to mobilize staff on and off projects as activities ebb and flow.

C. APPROACH, EXPERIENCE & EXPERTISE

ACCOUNTING AND BILLING PROCEDURES

NV5 employs Deltek Vision, a sophisticated database system to manage our project accounting and financials. Vision is a leading project-based solution for professional services firms to manage their clients, projects and finances. It tracks all costs associated with a project, including staff hours, direct costs, and incidentals.

We will set up individual budgets and invoices for each project based on the reimbursement criteria, developer, neighborhood, etc. Currently we are working on 18 different accounts for MHCS D, each being tracked and billed separately. We plan to continue using the same accounting and billing procedures we have been using for the past four years.

After a contract or task order has been executed, Brad Riel and our project administrator will set up each project in Vision, including the agreed upon billing rates, subconsultant information, total contract value, and other pertinent information. As a project proceeds Brad will review and approve time sheets every week for accuracy and compliance. We will produce monthly invoices that detail daily hours worked with descriptions and locations. Brad will review each monthly invoice before forwarding to the District.

We maintain spreadsheets and tracking reports every month to evaluate the budgets on every Mountain House project. If changes or amendment are needed, Brad will work with MHCS D's administrative group to update contract values so that all billings are accurate, timely and within budget.

REFERENCES FOR RELATED SERVICES



STANISLAUS COUNTY

Chris Brady, PE
Deputy Director of Public Works
P 209.262.5887
bradyc@stancounty.com

*On-Call Construction Management
and Inspection Services*



CITY OF SACRAMENTO, DEPARTMENT OF PUBLIC WORKS

Matthew Johns, PE
Senior Engineer
P 916.808.5760
mjohns@cityofsacramento.org

*On-Call Construction Management
Services*



CALTRANS DISTRICT 10

Pam Marquez
Construction Division Chief
P 209.948.3971
pam.marquez@dot.ca.gov

*On-Call Construction Management
Services for District 10*

STAFFING

The NV5 Team is under the very capable leadership of Brad Riel, PE. He has served Mountain House Community Services District as the Project Manager since 2016. He will continue to serve as MHCS D's day-to-day contact and will directly manage our staff.

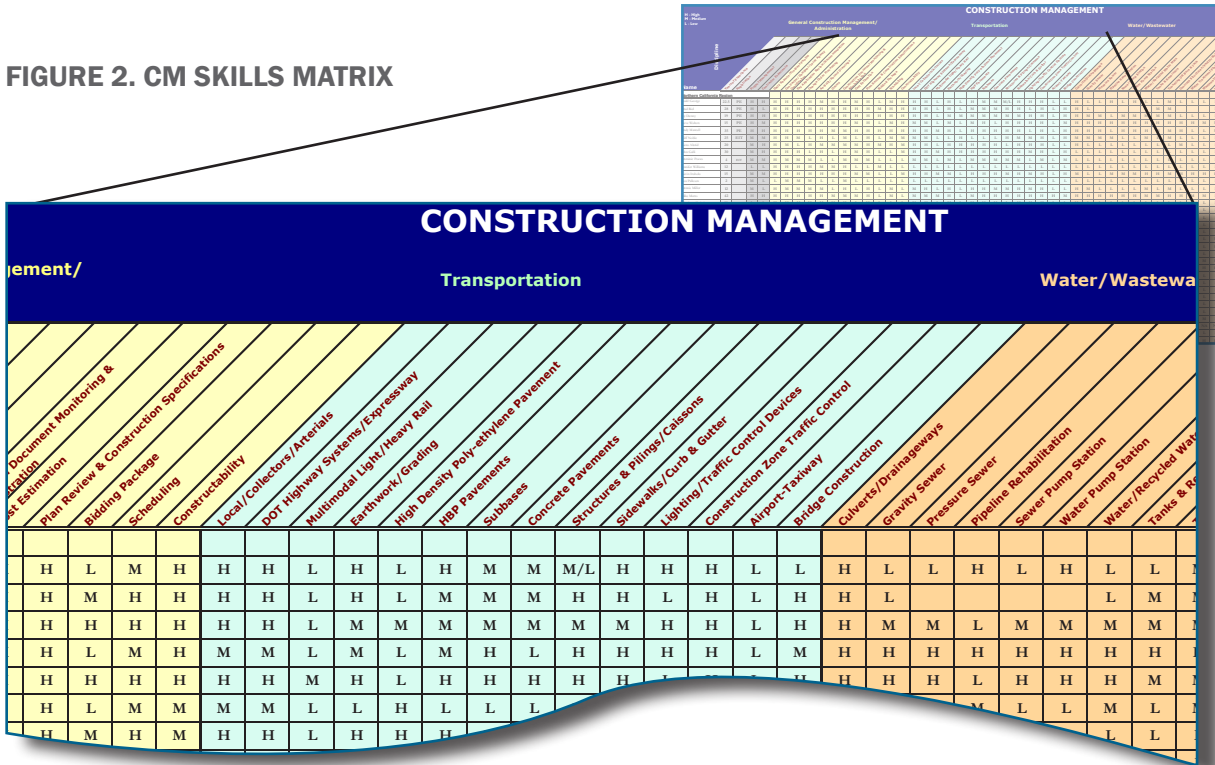
We anticipate new project assignments for NV5 be submitted to our project manager, Brad Riel. Brad will review the types of services needed and will select the most appropriate inspectors from our available staff. The selection will be based on the expertise of our inspection staff, personnel that directly report to Brad. To assist him in his effort, our staff maintains a CM Skills Matrix (Figure 2) that displays each individuals experience level in 44 disciplines. These categories range from field inspection of various items such as rubberized asphalt and signalization electrical experience to higher level resident engineering responsibilities

C. APPROACH, EXPERIENCE & EXPERTISE

like change order management and claims negotiations. The matrix is one tool we use to quickly identify candidates with specific talents best suited for a particular project/task order.

Brad will then evaluate potential key personnel with NV5's "CM Assignment Schedule". This schedule, which is updated twice a month, details the commitment to current and future projects for each construction management staff member. By assessing the project needs, staff expertise, and commitment schedule, we will work to provide the most qualified personnel to MHCS D and commit them for the duration of your task order.

FIGURE 2. CM SKILLS MATRIX



D. Resumes for Key Staff

D. RESUMES OF KEY STAFF

KEY STAFF RESUMES

BRAD RIEL, PE PROJECT MANAGER

EDUCATION & EXPERIENCE: BS
Civil Engineering - University of
California, Berkeley

LENGTH OF EMPLOYMENT AT NV5: 24
years

TOTAL RELATED EXPERIENCE: 35
years

AREA OF SPECIALIZATION: Civil
Engineering, Structures
Construction, Construction
Inspection, Construction
Management, Resident
Engineering, Contract
Administration

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES:
Professional Engineer, CA
#C46810

Qualified SWPPP Developer/
Practitioner, #46810

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

STANISLAUS COUNTY, ON-CALL CONSTRUCTION MANAGEMENT SERVICES: Project Manager for Stanislaus County On-Call CM Services since 2014, on both large turnkey projects as well as through their on-call projects list. Projects included large interchanges, roadway widenings; roadway reconstruction and rehabilitation, including pavement overlay and striping layout; street lighting and traffic sign and signal installation. The most recent projects include:

- Bentley & Warnerville Road Reconstruction
- Geer Road Intersections Improvements
- Claribel Road & Roselle Avenue Intersection Improvements

PLACER COUNTY, ON-CALL INSPECTION SERVICES: Project Manager for this on-call. Services have included full turn-key construction management, construction inspection, and materials testing services, as well as on-call staff augmentation for a variety of capital improvement projects, public and private land development projects, and bridge retrofit and replacement projects. Projects current and completed within the past five years are listed below:

- HSIP Safety Improvement Project
- Foresthill Road Bridge Seismic Retrofit & Paint Project
- Alpine Meadows Road Bridge Replacement Project

JOY DENNY, PE CONSTRUCTION MANAGER/INSPECTOR

EDUCATION & EXPERIENCE: BS Civil
Engineering - California State
University, Chico

LENGTH OF EMPLOYMENT AT NV5: 10
years

TOTAL RELATED EXPERIENCE: 24
years

AREA OF SPECIALIZATION:
Civil Engineering, Structural
Engineering, Structures
Oversight, Construction
Management, Construction
Inspection, Resident Engineering,
Materials Testing Oversight,
Contract Administration

AFFILIATIONS/HONORS: USGBC
LEED Accredited Professional

PROFESSIONAL LICENSES:
Professional Engineer, CA
#C68248

Qualified SWPPP Developer/
Practitioner, #68248

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CONTRA COSTA COUNTY, SR 4/BALFOUR ROAD INTERCHANGE: Structures Representative for the \$37 million construction of this project located on State Route 4, in Contra Costa County in the City of Brentwood. The project consists of constructing 314 driven steel foundation piles supporting a new radiused box girder on ramp bridge over Deer Creek, one precast prestressed wide flange girder bridge and one precast post-tensioned wide flange girder bridge over Balfour Avenue. The project also constructed multiple retaining walls, an MSE wall, roadway pavement widening, drainage headwall construction, sewer and waterline work, and electrical and signalized intersection work.

CITY OF SACRAMENTO, ON-CALL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES: Project Manager for on-call construction management services and project specific contracts. These projects include administrative coordination, staffing, as-built plans and close-out for a variety of projects including:

- Encroachment Permits, Public Works Department
- 41st/42nd Street Sewer Replacement
- Reconstruction of Sumps 40 and 146
- Upper South Sacramento Drainage Canal Sewer Replacement
- North Sacramento Water Meter Retrofit
- Howe Avenue ARV Relocation

D. RESUMES OF KEY STAFF

GENO ALARID, QSP, CESSWI INSPECTOR

EDUCATION & EXPERIENCE: NA

LENGTH OF EMPLOYMENT AT NV5: 8 years

TOTAL RELATED EXPERIENCE: 21 years

AREA OF SPECIALIZATION: Construction Inspection, Assistant Resident Engineering

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: Qualified SWPPP Practitioner (QSP), #22525

Certified Erosion, Sediment, and Storm Water Inspector (CESSWI), #2646

Caltrans Test Methods: 125 (Asphalt Concrete, Aggregate and Portland Cement Concrete)

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

MOUNTAIN HOUSE COMMUNITY SERVICES DISTRICT, ON-CALL PLAN CHECK AND INSPECTION SERVICES: Construction inspector for contractor oversight on a variety of projects, including:

- Meritage Homes, Neighborhood D SP III Landscape.
- Century Communities, including A1 Tract 3605; A2 Tract 3606; A3 Tract 3607; A4 Tract 3608; ; B4 Tract 3613; B5 Tract 3614
- Shea Homes, including D2/D4Tract; 3670 Briar Square; Langston Tract 3978
- Cordes School onsite improvements
- Hansen Park
- Storm Water Quality Basin
- Central PKWY PH I, II and III
- Grant Line Road
- Raphael & Grand Projects
- Town Center / Byron Road
- Byron / Great Valley Parkway Traffic Signal

FRANCISCO CABALLERO INSPECTOR

EDUCATION & EXPERIENCE: NA

LENGTH OF EMPLOYMENT AT NV5: 3 years

TOTAL RELATED EXPERIENCE: 5 years

AREA OF SPECIALIZATION: Sampling, testing, inspection of concrete

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: Nuclear Gauge Certification

ACI Certification

ICC Concrete Reinforcement Certification

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

K. HOVNANIAN HOMES, MEADOWVIEW (D1) PROJECT: Earthwork Technician/Special Inspector. Project included compaction testing for sewer, storm drain, water mainline, house services, dry utilities (joint trench), lime treatment, proof roll of sub grade, observation and testing of both sub grade and aggregate base prior to asphalt concrete placement, in addition to observation and testing of A.C placement and flatwork. Observation and sampling for concrete sampling on curb and gutter, side walks, ramps, and house slabs. Ongoing communication with contractor for local specs. Providing daily documentation/reports, extra work (repairs), and reimbursable work for our client.

K. HOVNANIAN HOMES, FONTINA (D3) PROJECT: Earthwork Technician/Special Inspector. Project included original grade processing of organics, moisture conditioning, compaction and house pad certification. Compaction testing for sewer, storm drain, water mainline, house services, dry utilities (joint trench), proof roll of sub grade, observation and testing of both sub grade and aggregate base prior to asphalt concrete placement, in addition to observation and testing of A.C placement and flatwork. Observation and sampling for concrete sampling on curb and gutter, side walks, ramps, and house slabs. Ongoing communication with contractor for local specs. Providing daily documentation/reports, extra work (repairs), and reimbursable work for our client.

D. RESUMES OF KEY STAFF

RUSS NYGAARD, PE STRUCTURES

EDUCATION & EXPERIENCE: MS
Structural Engineering – University of Illinois

BS Civil Engineering – University of Illinois

LENGTH OF EMPLOYMENT AT NV5: 3 years

TOTAL RELATED EXPERIENCE: 33 years

AREA OF SPECIALIZATION: Structures

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: Professional Engineer, CA #C 50369

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

TAHOE TRANSPORTATION DISTRICT, US 50/SOUTH SHORE COMMUNITY REVITALIZATION: Program Manager for revitalization project resulting from re-alignment of Highway 50 through south shore of Lake Tahoe. Large housing component incorporated into project, along with mixed-use commercial sites with transit oriented development and bicycle and ped facilities. For PA&ED phase, including Project Report and CEQA EIR/ TRPA EIS/ NEPA EIS, Russ worked to guide approvals through 6 Federal, State, and Local agencies.

CITY OF FOLSOM, EAST AREA SPECIFIC PLAN – STRUCTURES: Project Engineer responsible for variety of structures for development of new specific plan. Structures included retaining walls, sound walls, underground sewer and storm water structures, including pump stations, drop inlets, and pig vaults, box culverts, and street light and signal foundations. Larger structures included entry feature structures and a 5-tiered MSE retaining wall for a park.

CHUCK KULL, PE, GE, PG, CEG GEOTECHNICAL ENGINEERING

EDUCATION & EXPERIENCE: M.S. Civil Engineering & B.S. Engineering Geology - San Jose State University

LENGTH OF EMPLOYMENT AT NV5: 5 years

TOTAL RELATED EXPERIENCE: 38 years

AREA OF SPECIALIZATION: Geotechnical engineering, alternative design approaches to mitigate challenging site conditions

AFFILIATIONS/HONORS: Geoprofessional Business Association

California Geotechnical Engineers Association

Association of Engineering Geologists

PROFESSIONAL LICENSES: Professional Civil Engineer, CA #C46701

Geotechnical Engineer, CA #2359

Professional Geologist, CA #5159

Certified Engineering Geologist, CA #1622

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

DORSEY DRIVE INTERCHANGE ON STATE ROUTE 49: The project required testing of 47,000 cubic yards of fill, 800 cubic yards of structural concrete, and 21,000 tons of hot mix asphalt. NV5 developed a procedural specification for fill placement utilizing the onsite excavated weathered rock, thus eliminating the need to off haul the material and reducing the chance for project delay.

CITY OF FOLSOM, JOHNNY CASH TRAIL TUNNEL AND PEDESTRIAN BRIDGE: NV5 reviewed the drawings prepared by Kimley Horn and the soil report prepared by Geocon. The purpose of our services was to design a temporary shoring for the cut slopes adjacent to the proposed pre-fabricated tunnel, design Ultrablock retaining wing walls, and design a temporary cut slope for the crane pad at the pedestrian bridge. At the site visit, NV5 observed exploratory trenching and collected soil/rock samples in the vicinity of the cut slopes for both the tunnel and crane pad excavations. NV5 performed laboratory strength testing on selected soil/rock samples. We also provided calculations and stamped drawings of the temporary cut slopes, and calculations and design for the proposed Ultrablock walls. NV5 provided two site visits to observe the cut slopes during the excavation sequence of the tunnel and crane pad sides.

D. RESUMES OF KEY STAFF

CRISTIANO MELO, PE, GE GEOTECHNICAL ENGINEERING



EDUCATION & EXPERIENCE: MS, Civil Engineering - University of Idaho

BS, Civil Engineering - University of Idaho

LENGTH OF EMPLOYMENT AT BSK: 9 years

TOTAL RELATED EXPERIENCE: 22 years

AREA OF SPECIALIZATION: Public works projects, support and oversight of materials testing and geotechnical engineering on-call agreements

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: Professional Engineer, CA #C64025

Professional Geotechnical Engineer, #2756

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CITY OF TRACY, ON-CALL CONTRACT, SP18-0001 BROOKVIEW WEST SUBDIVISION: Mr. Melo served as the Project Manager and lead geotechnical engineer for the geotechnical peer review services for this project. Mr. Melo reviewed the geotechnical report and supplemental letters for a small residential subdivision comprising 6 lots. The purpose of the review was to evaluate the suitability of the geotechnical recommendations provided based on the subsurface conditions encountered at the site.

CITY OF MANTECA, NORTH MANTECA TRUNK SEWER: Mr. Melo served as the project manager and lead geotechnical engineer for the geotechnical investigation of this project. This new trunk sewer alignment project will include construction of utility lines up to 30 feet deep and ranging from 12 to 54 inches in diameter. The new lines will include a sanitary sewer line approximately 4,400 feet long, a recycled water line approximately 5,100 feet long, and a water line approximately 1,300 feet long.

TIM RODRIGUEZ MATERIALS TESTING, NORTHERN REGIONAL MANAGER



EDUCATION & EXPERIENCE: Las Positas College, Livermore

LENGTH OF EMPLOYMENT AT BSK: 10 years

TOTAL RELATED EXPERIENCE: 28 years

AREA OF SPECIALIZATION: Public Works contracts and many specialized testing applications

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: ICC – Earthwork, Reinforced Concrete, Prestressed Concrete, Masonry, Spray-Applied Fireproofing

ACI - Concrete Field Testing Technician Grade 1, Adhesive Anchor Installation Inspector

DSA Shotcrete Inspector

Nuclear Moisture/Density Gauge

F-Number Measurement (Floor Flatness)

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CITY OF TRACY, ON-CALL MATERIALS TESTING AND GEOTECHNICAL SERVICES: Project manager for BSK's on-call contract with the City of Tracy. Projects thus far have included a recycled water pipeline, overlay projects, widening projects, building renovations, and a fire training facility.

CITY OF MANTECA, HIGHWAY 120 AND UNION ROAD DIVERGING DIAMOND INTERCHANGE: Mr. Rodriguez serves as BSK's Contract and Project Manager for the quality assurance materials testing services to this project. As part of the City of Manteca's Construction Management Team, BSK supports the project with materials testing and inspection services for earthwork, hot-mix asphalt, reinforced concrete, and source inspection.

D. RESUMES OF KEY STAFF

JENNIFER WILLIAMS PROJECT ADMINISTRATOR

EDUCATION & EXPERIENCE: BA,
Computer Information Systems
– California State University,
Hayward

LENGTH OF EMPLOYMENT AT NV5: 16
years

TOTAL RELATED EXPERIENCE: 28
years

AREA OF SPECIALIZATION: Contract
Administration, RFIs and
Submittals, Contract Change
Order

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: NA

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CITY OF MODESTO, INDUSTRIAL TANK NO 13 AND PUMP STATION: Office Engineer for this for this \$9.2 million project that consists of a 4-million-gallon portable water storage tank and a 12 million gallons per day booster pumping station. Additional features include an emergency generator, drainage basin and site improvements.

CITY OF MODESTO, DEL RIO TANK NO. 14, WELL NO. 68 AND PUMP STATION: Office Engineer for this \$9 million project consisting of a 250,000 gallon steel water storage tank, a 2.45-mgd pump station, and a 1,000-gpm domestic well housed in a 40-foot by 51-foot concrete masonry building. Jennifer took the lead for NV5 integrating and coordinating processes between NV5, the contractor and the City. She has provided valuable feedback to City to improve their system.

CITY OF MANTECA, FAMILY ENTERTAINMENT ZONE – PHASE 1 UNDERGROUND UTILITIES: Office Engineer for this \$9 million underground utility improvement project. The project was the first phase for the development of 210 acres of City-owned land and constructs the “backbone” for water, wastewater, drainage facilities and wet utilities.

MIKE SMYTH, RLA, ASLA LANDSCAPE & IRRIGATION/PARKS

EDUCATION & EXPERIENCE: BS
Landscape Architecture -
Washington State University

LENGTH OF EMPLOYMENT AT NV5: 20
years

TOTAL RELATED EXPERIENCE: 33
years

AREA OF SPECIALIZATION:
Landscape, Irrigation, Park
Design

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES:
Registered Landscape Architect,
CA#3231, OR#317, WA#1070,
AZ#56354

Council of Landscape
Architectural Registration Boards
(CLARB), National #773

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

MOUNTAIN HOUSE COMMUNITY SERVICES DISTRICT, LANDSCAPE ARCHITECTURE DESIGN AND CONSTRUCTABILITY REVIEWS: Mike is currently leading a team of Landscape Architects and designers who are providing on-call design aesthetic and constructability reviews of design consultant work product for the master planned community. Mike’s team provided the technical expertise needed to ensure compliance with local design standards, as well as the Department of Public Works’ Standard and Supplemental Design, Construction Specifications, and Details. On most Task Orders, our Landscape Architects review relevant state and local standards, engage with the client representative, and interact with allied disciplines to determine standards compliance and constructability.

WASHINGTON COUNTY DLUT, WALKER/MURRAY IMPROVEMENTS – WALKER RD AND MURRAY BLVD INTERSECTION: Mike was responsible for overseeing the landscape architecture elements of this roadway modernization project. The landscape improvements include new median and roadside plantings, vegetated corridor (channel) improvements to realigned reaches of N Johnson Creek and Cedar Mill Creek, vegetating stormwater infiltration and water quality swales, vegetating LIDA swales, and preparing vegetated corridor buffers for both creeks for planting restoration work that will be performed by Clean Water Services (CWS). The roadside, stormwater and natural restoration area landscapes were developed collaboratively with County, City and CWS representatives.

D. RESUMES OF KEY STAFF

CHRISTOPHER THNAY, P.E., AICP TRAFFIC ENGINEERING/PLANNING



EDUCATION & EXPERIENCE: M.S. Transportation Planning & Management - Stanford University, 1985,

B.S. Civil & Environmental Engineering - University of Wisconsin

LENGTH OF EMPLOYMENT AT AMG: 3.5 years

TOTAL RELATED EXPERIENCE: 35 years

AREA OF SPECIALIZATION: Traffic Operations, Plans, Specifications, and Estimates (PS&E), roundabout analysis, safety analysis, signal timing, traffic calming design, transportation planning

AFFILIATIONS/HONORS: Institute of Transportation Engineers (ITE), Fellow; ITE Committee on Operating Intersections to Meet the Needs of All Users in 2003-2004, member; Planning Commissioner in the City of Hayward (2000-2011).

PROFESSIONAL LICENSES: Professional Engineer, CA #C64025

Traffic Engineer CA #1771

Certified Planner #10403, AICP

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

Christopher will lead for all traffic/planning support for the MHCSO on-call plan-checks project. His experience as a city a transportation official with the City of Palo Alto (1995 – 2001) has given him the necessary skills acquired during more than three decades of experience to develop and evaluate traffic solutions and work closely with the public.

Representative projects include:

ON-CALL ENGINEER FOR MOUNTAIN HOUSE CSD

CITY OF PATTERSON

SAN JOAQUIN COUNTY

CITY OF TRACY

CITY OF BELMONT

CITY OF PALO ALTO

CITY OF MENLO PARK

CITY OF EL CERRITO

JOY BHATTACHARYA P.E., PTOE TRAFFIC ENGINEERING/PLANNING



EDUCATION & EXPERIENCE: M.S. Transportation Engineering/Operations Research - University of Delaware

M.Eng Transportation Engineering - University of Tokyo

B.Tech (hons) Civil - Indian Institute of Technology, Kharagpur, West Bengal

LENGTH OF EMPLOYMENT AT AMG: 3.5 years

TOTAL RELATED EXPERIENCE: 20 years

AREA OF SPECIALIZATION: Adaptive/Responsive Traffic Signal Systems, ATMS, fiber optics, PS&E

AFFILIATIONS/HONORS:

PROFESSIONAL LICENSES: Professional Engineer, CA #68928

Professional Traffic Operations Engineer #1103

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

Joy has in-depth experience in the development, design and implementation of various engineering strategies in major metropolitan areas, including Adaptive/Responsive Traffic Signal Systems and Transit Priority Systems; Incident Management Plans; design of communication systems; preparation of PS&E for field implementation of CCTV, Changeable Message Signs, Ramp Metering and ATMS systems; and fiber optics communication.

Representative projects include:

TRACY BOULEVARD ATMS & FIBER OPTICS PROJECT, TRACY

ATMS DESIGN FOR ROUTE 238 IMPROVEMENTS, HAYWARD

TRAFFIC SIGNAL UPGRADE AND COMMUNICATION DESIGN PROJECT (HESPERIAN, TENNYSON, WINTON CORRIDORS), HAYWARD

D. RESUMES OF KEY STAFF

ADDITIONAL STAFF RESUMES

MIKE MUTTO INSPECTOR

EDUCATION & EXPERIENCE: College of San Mateo, Electrical Engineering Courses

LENGTH OF EMPLOYMENT AT NV5: 6 years

TOTAL RELATED EXPERIENCE: 42 years

AREA OF SPECIALIZATION: Underground/Overhead Utility Coordinator, Encroachment Inspection

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: 30-Hour Cal/OSHA

California General Contractor "B"
#831684

IBEW Certified Journeyman Electrician

HAZWOPR trained

Manifest trained

SWPPP/WPC Site management training

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

PLACER COUNTY, HIGHWAY SAFETY IMPROVEMENT PROGRAM: Construction Inspection services for this \$2.1M project to install safety improvements at 19 roadway intersections throughout Western Placer County. The safety improvements replaces centerline and edgeline pavement markings, relocate and add warning signs, install flashing beacons, and add new cobra-head lights on new and existing poles. Other improvements include installing asphalt rubber binder chip seal, installing signals and streetlights, roadway widening, road sign installation and striping.

CITY OF WOODLAND, KENTUCKY AVENUE WIDENING AND STREETScape: Lead Inspector and utility coordinator for the \$11 million project. Required inspection for all the OH and UG utility encroachments and upgrades to the City's water, storm drain, sewer and signal infrastructure upgrades. Also provided oversight and inspection for all the structural roadway improvements including, but not limited to the CTS road prep, paving, striping, curb, gutter, driveway, sidewalk and final landscaping buildouts.

JOHN GALLI INSPECTOR

EDUCATION & EXPERIENCE: Independent Field Sampling Tests, Concrete Cylinder

Crane Safety

First aid and CPR

Confined Space

Competent person training, excavating and shoring

Caltrans and VTA Procedures and Specifications
Profilograph

LENGTH OF EMPLOYMENT AT NV5: 6 years

TOTAL RELATED EXPERIENCE: 31 years

AREA OF SPECIALIZATION: Construction Inspection, Structures Representative, Quality Control

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: NA

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

MERCED COUNTY, CAMPUS PARKWAY: Structures inspector for this project which will extend the four-lane limited access expressway north to Yosemite Avenue. This project consists of approximately four miles of new four-lane expressway including nine new bridges and almost one million cubic yards of imported fill material; four new at-grade intersections and six new bridge structures located at Burlington Northern Santa Fe Railroad (BNSF), SR 140, Bear Creek and Black Rascal Creek.

CITY OF BAKERSFIELD, BELTWAY OPERATIONAL IMPROVEMENTS: Structures Representative for the \$81 million project to improve safety and traffic operations along the SR 58 corridor east of SR 99 to Cottonwood Road, and at the SR 99/Ming Avenue interchange. The project involves operational improvements to interchange ramps and construction of auxiliary lanes, retaining walls, and sound walls.

CITY OF BAKERSFIELD, ROSEDALE RAMP WIDENING: Structures Representative for the \$7 million ramp widening and reconstruction including new concrete paving and 1400 linear feet of type 1 retaining walls. The project adds one lane in each direction between Allen Road and Gibson Street. East of Gibson Street, the project modifies lane striping and the median to transition to the existing lane configuration.

D. RESUMES OF KEY STAFF

MAURICE SAHAGUN, CWI INSPECTOR

EDUCATION & EXPERIENCE: Wilrick School of Technology

General Education Courses, Butte Community College

LENGTH OF EMPLOYMENT AT NV5: 16 years

TOTAL RELATED EXPERIENCE: 34 years

AREA OF SPECIALIZATION: Construction Inspection, Quality Control, Soils Technician, Welding, Masonry, and Concrete Inspector

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: I.C.C Certified Inspector, No. 0875468

C2 Confined Space Entry, No. 1582285

AWS, Certified Welding Inspector, QC1, No. 08051061

Caltrans Test Methods: 504, 518, 533, 539, and 540

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CCTA, I-680/SR4 INTERCHANGE IMPROVEMENTS PHASE 3: Construction Inspector for construction operations including the widening of SR 4 in both directions at Pacheco Boulevard and I-680. Responsibilities include preparing daily quantities for monthly pay estimates; interviewing project staff for contract compliance; monitoring traffic control operations; responding to citizen concerns; and preparing daily diaries.

CITY OF SACRAMENTO, ON-CALL INSPECTION SERVICES – ENCROACHMENT PERMITS: Assists in inspection for multiple utility companies and their Contractors including PG&E, AT&T, Comcast, SASD, and SMUD. Construction inspection oversight includes traffic control monitoring, maintenance on both underground and overhead existing facilities, open cut and boring new facilities as well as pavement restoration of roadways.

BRADSHAW INTERCEPTOR 6B AND ROAD IMPROVEMENT PROJECT: Responsible for inspecting the installation of the 108-inch-diameter sanitary sewer and verifying pipe joint tests, pipe liner spark tests, and vacuum tests. Also worked on the Bradshaw Road improvements, responsible for inspecting the grinding, grading, compaction, grade breaks and lane lines for drainage and signals; new signal installation; and paving, curb and gutter placement.

DENNIS SWEENEY INSPECTOR

EDUCATION & EXPERIENCE: B.S. Construction Management - University of California, Davis

LENGTH OF EMPLOYMENT AT NV5: 11 years

TOTAL RELATED EXPERIENCE: 5 years

AREA OF SPECIALIZATION: Construction Inspection, Wet & Dry Utility Installation

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: NA

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

SACRAMENTO COUNTY, CONSTRUCTION & INSPECTION DIVISION: County Representative for construction inspection for various public and private heavy civil construction projects. Responsibilities included inspection of all aspects of infrastructure improvements including but not limited to grading, concrete, paving, wet utility installation and testing and street lighting; issue field instructions; confirmation of extra and change order work; approval of billing quantities; represented agency in negotiations with project owners and contractors; coordination with agency Engineering staff; provided constructability plan review; and review of submittals.

CALTRANS DISTRICT 10, ON-CALL CM SERVICES: Construction Inspector for various projects in Calaveras and Amador Counties. Responsible for checking survey grades, taking elevations for the sub-base and aggregate base, hot mix asphalt, inspecting hot mix asphalt for quality assurance requirements; and monitoring quantities for hot mix asphalt; checking drainage inlets elevations, placement, and compaction requirements. andard specifications and special provisions.

D. RESUMES OF KEY STAFF

PAUL GILL INSPECTOR

EDUCATION & EXPERIENCE: B.S. Mechanical Engineering - California State University, Fresno

LENGTH OF EMPLOYMENT AT NV5: 16 years

TOTAL RELATED EXPERIENCE: 13 years

AREA OF SPECIALIZATION: Construction Inspection

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: NA

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CITY OF TULARE, ON-CALL CM SERVICES: Construction Inspector. Currently performing work on two projects under this on-call, Spruce Tracts Improvement and Elliott Tract Improvements. Work consists of demolition and reconstruction of concrete curb ramps, curbs and gutters, demolition and installation of sewer, water, and storm drain improvements, grind and removal of existing Class II aggregate base and asphalt concrete pavement and place hot mix asphalt concrete pavement, and installing pavement markings and signs. Responsibilities include day-to-day inspection, documentation, and various construction management tasks, as well as assistance with public outreach.

SAN JOAQUIN COUNTY, WEST COUNTRY CLUB RECONSTRUCTION: Lead Construction Inspector for this 3 block residential street reconstruction. The project involved demolition of the sidewalk curb and gutter, structural section, HMA paving, raising manholes and water vales covers, reconstructing driveways and tying new sidewalk and gutters into existing. Paul was responsible for tracking the contractors daily activities, quantities and items of work, ensuring the improvements were built to construction plans and standards, weekly statement of working days, labor compliance, submittal review, RFI review, Change Order negotiations and keeping the County Resident Engineer informed of job progress.

MATT RAMSEY INSPECTOR

EDUCATION & EXPERIENCE: B.S. Civil Engineering - California State University, Fresno

LENGTH OF EMPLOYMENT AT NV5: 8 years

TOTAL RELATED EXPERIENCE: 9 years

AREA OF SPECIALIZATION: Construction/Management

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: California Test Methods: 105, 106, 125AGG, 125BITUMIN, 125GEN, 125HMA, 125PCC, 201, 202, 206, 216, 217, 226, 227, 229, 231, 308, 504, 518, 521, 523, 524, 533, 539, 540, 557
ASSHTO Test Methods: T-011, T-176, T-210, T-275

ACI Field Testing Technician, Grade 1

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

STANISLAUS COUNTY, GEER ROAD INTERSECTIONS: Construction Inspector for improvements to Geer Road/Santa Fe Avenue and Geer Road/Whitmore Avenue Intersections. The project includes the widening and reconstructing of roadway including the addition of turn lanes, new traffic signals, upgrades to BNSF Railway facilities, installation of traffic signs, striping and street lighting. Responsible for inspection to ensure compliance with the project plans, specifications, and County Standards; prepare daily inspection reports and weekly statement of working days; measure and verify pay quantities for progress payments; and coordinate with technicians performing materials testing.

TURLARE COUNTY, STATE ROUTE 99 KINGSBURG JOINT PLANE CONCRETE LANE AND INDIVIDUAL SLAB REPLACEMENT: Lead Assistant Resident Engineer for the \$3.5 million, 1.0-mile rehabilitation project. The project included removing and replacing the existing lanes with jointed plane concrete pavement (JPCP). Inspected all aspects of construction, coordinated material testing, monitored traffic control systems, drafted contract change orders, reviewed submittals and RFI's, and prepared monthly pay estimates.

D. RESUMES OF KEY STAFF

SHEILA REYES PROJECT ADMINISTRATOR

EDUCATION & EXPERIENCE: BA Mass Communications - St. Paul's College of Manila, Philippines

LENGTH OF EMPLOYMENT AT NV5: 9 years

TOTAL RELATED EXPERIENCE: 24 years

AREA OF SPECIALIZATION: Office Engineer on multiple Caltrans projects and local agency projects requiring Caltrans coordination

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: NA

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CITY OF TRACY, 11TH STREET/EAST TRACY OVERHEAD BRIDGE REPLACEMENT: Replacement of the existing bridge, modifying the signalized intersection and relocating existing utilities. Responsible for all document control, administrative support, all correspondence, logging of RFI's, CCO tracking, submittals, collection of RE daily reports, preparing monthly pay estimates and processing and verification of daily extra work reports.

CONTRA COSTA COUNTY, SAN PABLO AVENUE AT RODEO CREEK BRIDGE REPLACEMENT: Replaced an existing two-span bridge with a new single-span precast concrete voided slab structure. Sheila maintained office records, correspondence, CCO, NOPC, RFI's, submittals, SWPPP forms and logs; inspection, acceptance and release of materials; assisted in processing of extra work bills; verified hours and dollar amounts against diaries; and reported discrepancies..

EL DORADO COUNTY, US 50 HOV LANES, PHASE 0: Maintained office records, correspondence, CCO, NOPC, RFIs, submittals, SWPPP forms and logs, SIQMP documentations, inspection, acceptance and release of materials; assisted in the processing of extra work bills, checking against the Caltrans labor surcharge and equipment rental rates, resident engineers' and assistant engineers' diaries.

JON CHAMPLIN LANDSCAPE & IRRIGATION/PARKS

EDUCATION & EXPERIENCE: MS Landscape Architecture, Kansas State University

LENGTH OF EMPLOYMENT AT NV5: 3 years

TOTAL RELATED EXPERIENCE: 11 years

AREA OF SPECIALIZATION: Landscape, Irrigation, Park Design

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: Registered Landscape Architect, OR #0967

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CITY OF SACRAMENTO, POWER INN ROAD AND BERRY AVE STREET IMPROVEMENTS: Project Landscape Architect for a 15-acre expansion to the FedEx Distribution Center. Improvements to street frontages included road widening, curbs and sidewalks, street trees and planting design, as well as design for a water-conserving subsurface automatic irrigation system. Street trees were selected and located specifically to not interfere with the high-voltage power lines near the street.

MOUNTAIN HOUSE DEVELOPMENTS, MOUNTAIN HOUSE COMMUNITY SERVICES DISTRICT (MHCS D): Landscape Architect providing design plan review for various roadway, residential, and public park improvement projects for the MHCS D. Constructability, cost, continuity with the master plan, and future maintenance efficiencies are of special importance in each project's plan review process.

USMC CAMP PENDLETON DEL MAR OFFICER'S HOUSING: Landscape architecture services included native/xeric planting and low-flow irrigation design for all common areas within the Del Mar community, located near San Clemente, CA. The designed amenities included neighborhood roads, streetscapes and parks, and planting solutions for new officers housing.

D. RESUMES OF KEY STAFF

JACK ABCARIUS, PE STRUCTURES

EDUCATION & EXPERIENCE: BS Civil Engineering - California State University Sacramento

Certificate ASCE Commendation as Outstanding Civil Engineering Student - California State University Sacramento

Certificate Completion for Module I Value Analysis/Value Engineering

LENGTH OF EMPLOYMENT AT NV5: 16 years

TOTAL RELATED EXPERIENCE: 38 years

AREA OF SPECIALIZATION: Structures

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: Professional Engineer - CA #C40459

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CITY OF CERES, ROUTE 99 MITCHELL ROAD INTERCHANGE PROJECT: Structures lead responsible for the preparation of Advance Planning Studies (APS) for six bridges, as well as the Type Selection Report (TSR) for review and approval by Caltrans. The improvements consist of replacing a 2-lane overcrossing with the Diverging Diamond Interchange consisting of one overhead bridge and two overcrossing bridges at Service Road over SR-99.

STANISLAUS COUNTY, CROWS LANDING BRIDGE: Structures lead responsible for the delivery of plans, specifications and estimate for the replacement of a structurally deficient and functionally obsolete bridge over the San Joaquin River. The bridge will be replaced with a 723-foot, 5-span cast-in-place, post-tensioned, reinforced concrete box girder bridge with no intermediate joints, and will be supported by multi-column bents on large diameter cast-in-steel-shell (CISS) piles, and open-ended Abutments on 66-foot-diameter CISS piles.

PAUL BROWNE, AIA, MBA, PMP ARCHITECTURAL ENGINEERING

EDUCATION & EXPERIENCE: MA, Architecture - Rensselaer Polytechnic Institute

MBA - Rensselaer Polytechnic Institute

BA, Architecture - University of Notre Dame

LENGTH OF EMPLOYMENT AT NV5: 26 years

TOTAL RELATED EXPERIENCE: 39 years

AREA OF SPECIALIZATION: Structures

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: Architect: AZ #62250, CA #C36542, CO #403405, HI #AR-16129, NM #4260, NV #7054, PA #RA012937X

National Council of Architectural Registration Boards (NCARB) #55616

Project Management Professional (PMP) Project Management Institute#1675077

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

PLANK ROAD REDEVELOPMENT CONCEPT DESIGN, BATON ROUGE, LA: Paul managed the concept design phase for a mixed-use development incorporating commercial and residential occupancies for the Plank Road corridor within East Baton Rouge. The project is proposed to be a catalyst in the redevelopment of and economic growth for the communities along Plank Road.

SCATTERED SITES PROTOTYPE HOUSING, NAVAJO NATION: Paul managed the architectural design and construction document phase for a prototype residential design to be used throughout the Navajo Nation. The design provided for two bedroom, three, bedroom, four bedroom, and five bedroom units and three different foundation design that can accommodate the variety of soil conditions that exist on the Navajo nation.

WUNEECHANUNK EARLY LEARNING / DAY CARE CENTER, SHINNECOCK INDIAN NATION: The Shinnecock Wuneechanunk Early Learning / Day Care Center serves as a place for young tribal members to attend activities that will enhance their appreciation of their cultural heritage. The 5,500 square foot facility has separate classrooms for toddler, preschool, and infant care; child-appropriate restrooms; a commercial kitchen with a common dining area; a multi-purpose conference room; an art classroom; staff offices; an equipment storage room; and common storage rooms. The facility has outdoor activity spaces and the design reflects cultural elements of the Shinnecock Indian Nation.

D. RESUMES OF KEY STAFF

SCOTT WOODY, DBIA, CBO, CASP, CM-LEAN, LEED-AP ARCHITECTURAL ENGINEERING

EDUCATION & EXPERIENCE: BS

Architecture - Cal Poly, San Luis Obispo

LENGTH OF EMPLOYMENT AT NV5: 2 years

TOTAL RELATED EXPERIENCE: 24 years

AREA OF SPECIALIZATION: California Building, Fire & Accessibility Codes, Architecture, & Structural Engineering

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: Architect, California, #28253

CA Certified Access Specialist (CASP), #004

DBIA – Design-Build Professional, #D346

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CITY OF SAN BERNADINO, ON-CALL PLAN REVIEW SERVICES: Performs plan review services for NV5 as a consultant to the County of San Bernardino. Projects include residential and commercial structures. Plans are reviewed for conformance to the adopted California Building Code and County amendments. All plan review is completed electronically using Adobe Acrobat. Plan reviewers provide redlines directly on the Adobe PDF document and prepare a comment letter using Microsoft Word. Comments include references to the applicable codes and regulations.

SHUMS CODA ASSOCIATES, PLEASANTON CA: Plans Examiner for Architectural firm. Responsibilities included review plans, calculations and specifications for compliance with the most current California adopted codes and ordinances. Preparation of Plans Comments Letter according to industry and SCA standards. Meet and confer with the clients as-needed to clarify plan check comments. Travel to jurisdictions on an as-needed basis to support clients.

JAMES AUSER, PE SENIOR MATERIALS ENGINEER



EDUCATION & EXPERIENCE: BS, Civil Engineering - California State University, Chico

LENGTH OF EMPLOYMENT AT BSK: 12 years

TOTAL RELATED EXPERIENCE: 27 years

AREA OF SPECIALIZATION: Concrete construction and their constituents. Soils and Materials Laboratory Manager

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: Civil Engineer, California, No. 59941

ACI - Field Testing Technician Grade I

ICC - Reinforced Concrete, Structural Masonry, Prestressed Concrete, Nuclear Moisture/Density Gauge

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CITY OF MANTECA, DANIELS STREET INFRASTRUCTURE FOR MANTECA FAMILY ENTERTAINMENT ZONE PHASE I: Materials Engineer for a large underground utility corridor infrastructure project to support the above ground improvements for the Family Entertainment Zone development.

STANISLAUS COUNTY, GEER/WHITMORE ROAD INTERSECTION IMPROVEMENTS: Materials Engineer for this project which incorporated subgrade, aggregate base, hot-mix asphalt pavement, and full-depth reclamation.

D. RESUMES OF KEY STAFF

RANDY CORTEZ MATERIALS LABORATORY MANAGER

EDUCATION & EXPERIENCE: Antelope Valley College, Lancaster

California State University, Northridge

LENGTH OF EMPLOYMENT AT BSK: 5 years

TOTAL RELATED EXPERIENCE: 17 years

AREA OF SPECIALIZATION: Laboratory testing of soils, asphalt, concrete and steel materials. Very experienced with Caltrans test methods and Superpave methodology

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: NICET - Materials Soil, Materials Concrete, Materials Asphalt, Geo Generalist, Geo Construction, Geo Laboratory, Highway Materials

ACI - Concrete Field Testing, Strength Testing, Nuclear Moisture/Density Gauge, Nuclear Gauge Radiation Safety Officer

OSHA 10-hour Construction

Caltrans: 105, 106, 125, 201, 202, 205, 206, 207, 216, 217, 226, 227, 229, 234, 235, 301, 304, 308, 309, 366, 367, 370, 371, 375, 382, 504, 518, 521, 523, 524, 533, 539, 540, 543, 552, 556, 557, LP-1, LP-2, LP-3, LP-4, LP-5, LP-6, LP-7, LP-9

Superpave AAHSTO and ASTM test methods

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CITY OF LIVERMORE, ON-CALL GEOTECHNICAL ENG. AND MATERIALS TESTING CONTRACT: Lab Manager

CITY OF TRACY ON-CALL MATERIALS TESTING SERVICES CONTRACT: Lab Manager

STANISLAUS COUNTY ON-CALL MATERIALS TESTING SERVICES CONTRACT: Lab Manager

ANDREW KASOZI PAVEMENT ENGINEER

EDUCATION & EXPERIENCE: M.S. Civil Engineering - University of Nevada, Reno

LENGTH OF EMPLOYMENT AT BSK: 1 month

TOTAL RELATED EXPERIENCE: 7 years

AREA OF SPECIALIZATION: Geotechnical and Pavement Investigation, Inspection of Transportation Infrastructure-Focused Projects

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: Professional Engineer, NV #029135

Qualified SWPPP Developer/Practitioner, CA

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CITY OF ROSEVILLE, FIDDYMENT RANCH, PH 3 BIKE TRAILS & CULVERTS: Mr. Kasozi helped acquire a geotechnical investigation project featuring Caltrans/AASHTO-LRFD design of 1.2 miles of new bike trail alignment with 54", 48", and 12" culvert crossings.

CITY OF SACRAMENTO, OGDEN RANCH B DRIVE & C DRIVE BRIDGES: Mr. Kasozi conceived & prepared the proposal, work plan & budget for this \$24,000-project featuring Caltrans/AASHTO-LRFD Geotechnical design of 2, two-lane, single-span, prefabricated CONSPAN bridges with headwalls & wingwalls supported on spread footings.

D. RESUMES OF KEY STAFF

SCOTT ORR ENGINEERING TECHNICIAN

EDUCATION & EXPERIENCE: Las Positas & Chabot Community College

LENGTH OF EMPLOYMENT AT BSK: 6 years

TOTAL RELATED EXPERIENCE: 6 years

AREA OF SPECIALIZATION: Field and laboratory testing of soils, asphalt, and aggregates including AASHTO, ASTM and Caltrans methodology

AFFILIATIONS/HONORS: NA

PROFESSIONAL LICENSES: Caltrans CTM 105, 106, 216, 231, 375, 504, 518, 539, 540, 543, 552, 556, 557

ACI Concrete Field Technician Grade I

ACI Aggregate Testing Technician

CPN Nuclear Gauge Operator

MUNICIPAL OR LOCAL PUBLIC SECTOR EXPERIENCE

CITY OF TRACY, ON-CALL MATERIALS TESTING SERVICES: Lead materials testing technician, primarily providing construction observation and materials testing for soils and hot-mix asphalt construction elements. Recent support includes HMA pavement testing and observation for the MacArthur Blvd. pavement project.

CITY OF TRACY, TRACY RECYCLED WATER TRANSMISSION MAINS AND WWTP PUMP STATION PROJECT CIP 74091 - PHASES 1 AND 2: Lead engineering technician and materials testing for the soils, HMA and concrete construction elements to this project which includes +30,000 feet of recycled water pipe.

E. Schedule of Fees

E. SCHEDULE OF FEES



**2021/2022 Charge Rate Schedule
Construction Inspection Services
Mountain House**

Hourly Billing Rates

Employee	Prevailing Wage Billing Rate
Brad Riel, PE	\$253.37
Joy Denny, PE QSD/QSP	\$238.16
Geno Alarid* , CSSWI/QSP	\$186.50
Francisco Caballero	\$179.27
Robert Dietrich	\$193.39
Sayed Hashemyan, PE	\$197.16
Kurosh Borashan	\$186.96
Mike Mutto *	\$187.52
John Galli	\$177.98
Maurice Sahagun	\$169.69
Sheila Reyes	\$120.71
Jennifer Williams	\$83.83

Employee	Field Billing Rate
Jack Abcarius	\$243.42
Russ Nygaard	\$199.84
Chuck Kull	\$213.12
Scott Woody	\$150.00
Paul Browne	\$143.46

Notes:

1. Prevailing Wage Determination NC-63-3-9-2020-2
2. Overtime will be billed at the prevailing wage straight time rate above.
3. Per Diem (*) rate of \$120 per day has been added to the hourly rates for staff that are not within comm distance. Per DIR determination NC-63-3-9-2020-2

E. SCHEDULE OF FEES



AMG Billing Rate Table 2022

<i>Title</i>	<i>Hourly Billing Rate Range</i>
Associate Engineer	160.00 - 195.00
Communications Marketing Manager	145.00 - 160.00
Engineering Technician	100.00 - 110.00
President	310.00
Principal	230.00 - 280.00
Project Administrator	100.00 - 155.00
Project Controls Manager	190.00 - 240.00
Project Controls Specialist	145.00 - 160.00
Project Coordinator	110.00 - 155.00
Project Manager	155.00 - 210.00
Senior Consultant	250.00 - 285.00
Senior Engineer	150.00 - 160.00
Senior Project Analyst	150.00 - 165.00
Smart Cities Specialist	135.00 - 150.00
Technology Manager	185.00 - 195.00
Transit Planner	145.00 - 165.00
Vice President	230.00 - 280.00

E. SCHEDULE OF FEES

BSK Associates - September 1, 2021 to June 30, 2022 Schedule of Fees (North Determination)

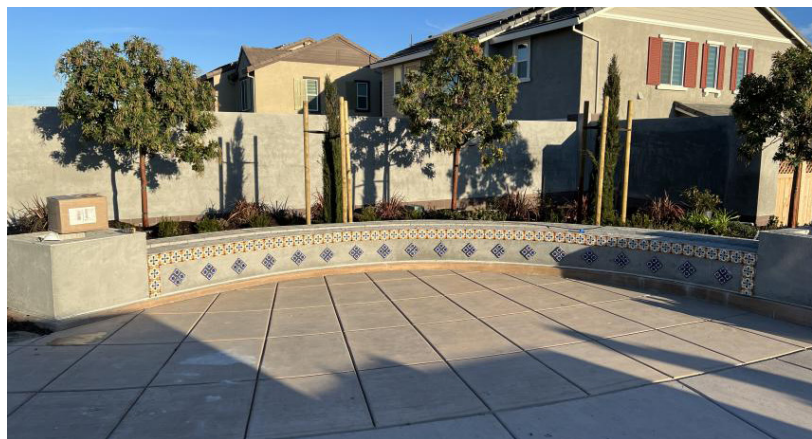
PERSONNEL RATES	
PROFESSIONAL STAFF	
Principal	\$ 260.00
Senior Professional	\$ 230.00
Project Professional II	\$ 215.00
Project Professional I	\$ 180.00
Staff Professional II	\$ 160.00
Staff Professional I	\$ 145.00
Seismic GIS	\$ 200.00
GIS Specialist	\$ 145.00
Information Specialist II	\$ 160.00
Information Specialist I	\$ 145.00
CAD	\$ 105.00
Project Administrator	\$ 100.00
REIMBURSABLES	
Mileage (Portal to Portal)	\$ 0.88
Per Diem (as required)	\$ 200.00
Bridge Toll	Cost + 15%
Parking Fees	Cost + 15%
Subconsultant Services	Cost + 15%
Project Administration Fees	7% of Invoice
DIR Administration Fees	3% of Invoice
Project Setup (Project)	\$500.00
ANALYSIS SOFTWARE USAGE FEES	
gINT (Project)	\$ 59.00
LPile (Project)	\$ 59.00
APile (Project)	\$ 59.00
SHAFT (Project)	\$ 59.00
GROUP (Project)	\$ 115.00
Cliq (Project)	\$ 59.00
LiquefyPro (Project)	\$ 59.00
LiqIT (Project)	\$ 50.00
NovoLIQ (Project)	\$ 59.00
Slide (Project)	\$ 115.00
Settle3D (Project)	\$ 115.00
ArcGIS (Project)	\$ 59.00
EZ-FRISK (Per Project Site / Site Class)	\$ 550.00
TECHNICAL STAFF (North Prevailing Wage)	
Group 1 - Special Inspector	\$ 155.00
Group 2 - Special Inspector	\$ 149.00
Group 3 - Engineering Technician	\$ 135.00
Group 4 - Technician	\$ 118.00
Ground Penetrating Radar Scanning Technician	\$ 300.00
Core Drilling Technician	\$ 220.00
Floor Flatness Testing Technician	\$ 200.00
Courier	\$ 108.00
Laboratory Technician	\$ 120.00
Administrative Assistant / Clerical	\$ 90.00
Litigation support	1.5x standard rate
BASIS OF CHARGES FOR FIELD TECHNICIAN SERVICES	
Field Work from 0 to 4 hours	Bill 4 hours
Field Work from 4 to 8 hours	Bill 8 hours
Field Work over 8 hours / Saturdays	Bill time and a half
Sundays, holidays and over 12 hours	Bill double time
Second/Special/Multi-Shift	Base Rate x 12.5%
Show-up time (no work performed)	Bill 2 hours
Sampling or cylinder pickup, minimum charge	Bill 2 hours
EQUIPMENT	
Nuclear Gauge (Day)	\$ 64.00
Ultrasonic Weld Equipment (Day)	\$ 64.00
Torque Wrench (Day)	\$ 64.00
Proof Load Equipment (Day)	\$ 64.00
Rebar Locator / Pachometer	\$ 116.00
Hand Auger (Day)	\$ 232.00
Water Meter (Day)	\$ 59.00
Drilling Kit - Paint, stakes and lath - (Project)	\$ 30.00
Drilling Supplies - Reuse of tubes/caps (Project)	\$ 290.00
Manometer (Day)	\$ 224.00
Double Ring Infiltrometer (Day)	\$ 579.00
DIR/PREVAILING WAGE ADMINISTRATION FEES (MONTHLY)	
Certified Payroll / DIR Upload	\$ 300.00
Non-Performance Certified Payroll / DIR Upload	\$ 100.00
Subcontractor Management / Compliance Forms	\$ 100.00
Additional LCP Tracker or Other Compliance Software	\$ 200.00
Additional Special Forms, as required	\$ 150.00
MATERIALS LABORATORY TESTS	
SOILS	
Moisture Density Curves	
Standard Proctor, 4" (ASTM/AASHTO)	\$ 269.00
Modified Proctor, 4" Mold (ASTM/AASHTO)	\$ 269.00
Modified Proctor, 6" mold (ASTM D1557)	\$ 286.00
Caltrans Maximum Wet Density (CT 216)	\$ 245.00
Check Point	\$ 155.00
Particle Size Analysis	
Sieve Analysis w/ Wash (ASTM D422)	\$ 195.00
Minus #200 Wash, Soil (ASTM D1140)	\$ 95.00
Hydrometer Analysis (ASTM D422)	\$ 256.00
Double Hydrometer (ASTM D4221)	\$ 357.00
Specific Gravity of Soil (ASTM D854)	\$ 183.00
Visual Classification (ASTM D2488)	\$ 49.00
Sand Equivalent (ASTM D2419)	\$ 144.00
% Organics in Soil (ASTM D2974)	\$ 156.00
Atterberg Limits / Swell Tests	
Plasticity Index (ASTM D4318)	\$ 250.00
Shrinkage Limits of Soils (ASTM D427)	\$ 233.00
Moisture Density Test	
Tube Density	\$ 57.00
Moisture Content of Soils (ASTM D2216)	\$ 49.00
"R" Value Determination	
R-Value of Soils (CT 301)	\$ 454.00
R-Value of Treated Materials (CT 301)	\$ 502.00
Consolidation Tests	
Consolidation (ASTM D2435)	\$ 478.00
Consolidation, Extra Points (ASTM D2435)	\$ 64.00
Collapse Potential of Soils (ASTM D2435)	\$ 233.00
Remolded Consolidation (ASTM D2435)	\$ 405.00
One-Dimen Swell of Soil (ASTM D4546)	\$ 149.00
California Bearing Ratio (CBR)	
CBR at 100% (ASTM D1883 or AASHTO T-180)	\$ 585.00
CBR at 95% (ASTM D1883 or AASHTO T-180)	\$ 1,133.00
Permeability Tests	
Rigid Wall Permeability (ASTM D2434)	\$ 322.00
Flexible Wall Permeability (ASTM D5084)	\$ 502.00
Remolded Flexwall Perm (ASTM D5084)	\$ 638.00
Soil Corrosivity Tests	
Minimum Resistivity of Soils (CT 643)	\$ 161.00
pH	\$ 75.00
Soluble Sulfate, Chloride and Sulfide	\$ 149.00
Soil Cement Tests	
Freeze Thaw Abrasion (ASTM D560)	\$ 715.00
Wetting-Drying Abrasion (ASTM D559)	\$ 679.00
Preparation of Freeze-Thaw or Wetting-Drying Tests	\$ 859.00
Soil Cement Compression (ASTM D1633)	\$ 275.00
Other	
Sand Density Calibration (ASTM D1566)	\$ 107.00
Unconfined Compression	
Unconfined Compression (ASTM D2166)	\$ 144.00
Shear Tests	
Direct Shear, Undisturbed (ASTM D3080)	\$ 250.00
Direct Shear, Remolded (ASTM D3080)	\$ 299.00
Triaxial Compression Testing	QUOTE

E. SCHEDULE OF FEES

BSK Associates - September 1, 2021 to June 30, 2022 Schedule of Fees (North Determination)

AGGREGATES		MATERIALS LABORATORY TESTS	
Sieve Analysis Coarse or Fine (ASTM C136)	\$ 95.00	CONCRETE	
Sieve Analysis w/ Fineness Modulus	\$ 102.00	Cement Content Concrete (ASTM C1084)	\$ 431.00
Minus 200 Wash, Aggregates (ASTM C117)	\$ 95.00	Chemical Test (ASTM C150)	QUOTE
Specific Gravity/Absorption (ASTM C127)	\$ 183.00	Set Times Cement-Vicat Needle (ASTM C191)	\$ 357.00
Specific Gravity/Absorption (ASTM C128)	\$ 183.00	Specific Gravity of Hydraulic Cement (ASTM C191)	\$ 172.00
Organic Impurities (ASTM C40)	\$ 95.00	Lineal Shrinkage Set of 3 (ASTM C157)	\$ 454.00
% Lumps/Friable Particles (ASTM C142)	\$ 92.00	Compression Test of Concrete - 1 (ASTM C39)	\$ 39.00
% Flat and Elongated (ASTM D4791)	\$ 144.00	Compression Test of Concrete - 4 (ASTM C39)	\$ 155.00
Fine Aggregate Angularity (AASHTO 304)	\$ 92.00	Compression Test of Core (ASTM C42)	\$ 69.00
Moisture Content (ASTM D2216)	\$ 49.00	Preparation of Specimens, Sawing	\$ 78.00
Aggregate Wt., pcf Compacted (ASTM C29)	\$ 101.00	Compressive Strength of Shotcrete Panel	\$ 364.00
Aggregate Wt., pcf Loose (ASTM C29)	\$ 75.00	Proportion of Cement in Concrete (ASTM C85)	\$ 399.00
Abrasion by LA Rattler, Small Size (ASTM C131)	\$ 269.00	Flexural Test Per Beam (ASTM C78)	\$ 102.00
Abrasion by LA Rattler, Large Size (ASTM C131)	\$ 327.00	Splitting Tensile Strength of Concrete (ASTM C496)	\$ 102.00
Sodium Sulfate Soundness, Per Sieve (ASTM C88)	\$ 125.00	Unit Weight Lt Wt Concrete (ASTM C567)	\$ 64.00
Sodium Sulfate Soundness, Min. Charge (ASTM C88)	\$ 399.00	"AZ" Test-Reinforced Concrete Pipe "Life Factor"	\$ 89.00
Sand Equivalent (ASTM D2419 OR CT 217-I)	\$ 144.00	9 Pt Core Measurements, Each (ASTM C174)	\$ 39.00
Durability Index (CT 229)	\$ 286.00	Concrete Trial Batches	QUOTE
Potential Reactivity of Aggregates	QUOTE	Unit Weight & Abs Concrete (ASTM D642)	\$ 144.00
Cleaness Value of Aggregate (CT 227)	\$ 206.00	Accelerated Curing of Concrete (ASTM C684)	\$ 286.00
Hydrometer (ASTM D422 OR CT 205-E)	\$ 256.00	Cylinder Molds (each)	\$ 8.00
% Crushed particles (CT 205)	\$ 189.00	Storage of Concrete Cylinders for more than 45 Days	\$ 66.00
Lightweight Pieces (ASTM 123)	\$ 250.00	RH Probe	\$ 66.00
		Calcium Chloride Kit	\$ 44.00
		Mixing Water (pH, elec. conductance, chloride, sulfate)	\$ 113.00
		Contact Soil (pH, elec. conductance, chloride, sulfate)	\$ 136.00
HOT MIX ASPHALT		MASONRY	
JMF Mix Design, HVEEM	\$ 3,542.00	Concrete Masonry Units Testing (ASTM C90)	
JMF Mix Design, Marshall	\$ 4,197.00	Compression Test Pavers, Single	\$ 88.00
JMF Mix Design, Superpave / Caltrans	\$ 10,226.00	Compression Test Compos Composit CMU Prism	\$ 189.00
JMF Verification - HMA - Superpave / Caltrans	\$ 5,926.00	Specific Gravity and Unit Weight	\$ 131.00
JMF Production Startup - Superpave / Caltrans	\$ 5,513.00	Moisture Content	\$ 61.00
RAP Material Testing - Additional Fee	\$ 717.00	Compression Test, Masonry Units (ASTM C140)	\$ 119.00
Rubberized RHMA Material - Additional Fee	\$ 1,654.00	Absorption / Moisture Content (ASTM C140)	\$ 119.00
Hamburg Wheel Track (AASHTO T324)	\$ 3,005.00	Linear Shrinkage (ASTM C426)	\$ 460.00
Gyratory Compaction (AASHTO T312)	\$ 382.00	Masonry Core Shear Test (Title 24)	\$ 214.00
AC Content by Centrifuge (ASTM D2172)	\$ 328.00	Masonry Core Compression/Shear Test (Title 24)	\$ 214.00
AC Content-Ignition (ASTM D6307 / CT382 / AASHTO T308)	\$ 256.00	Compression Test Brick, Each (ASTM C67)	\$ 85.00
Superpave Ignition Oven Correction (AASHTO T308)	\$ 595.00	Absorption/ Unit Wt. of Brick (ASTM C67)	\$ 89.00
Moisture Content of Asphalt (CT 370)	\$ 75.00	Compression Test Grout (Set of 3 or 4)	\$ 137.00
Gradation/Extraction Aggregate (ASTM D5444)	\$ 155.00	Compression Test Mortar (Set of 3 or 4)	\$ 125.00
Film Stripping	\$ 102.00		
Compaction/Preparation of HMA Briquette (CT 304)	\$ 250.00	WELDING AND STRUCTURAL STEEL	
Stabilometer Value (CT 366 / AASHTO T246)	\$ 201.00	Welder Qualification Testing	
AC Core Specific Gravity (ASTM D2726)	\$ 64.00	Welder / Procedure Welder Qualification Testing	QUOTE
AC Core Specific Gravity - Paraffin Coated (AASHTO T275)	\$ 167.00	Face Bend of Steel	\$ 69.00
AC Max Density Rice Method (ASTM D2041)	\$ 286.00	Root Bend of Weld Coupon	\$ 69.00
CIR/FDR Compressive Strength Testing (pre-compacted specimen, includes conditioning) – CTM 371	\$ 275.00	Side Bend of Weld Coupon	\$ 69.00
Tensile Strength Ratio (AASHTO T283)	\$ 1,253.00	Tensile Test of Steel Coupon	\$ 95.00
Moisture Vapor Susceptibility (CT 307)	\$ 233.00	Bend Test of Steel Coupon	\$ 82.00
AC Surface Abrasion (CT 360)	\$ 572.00	Machining Charges (Per Coupon)	QUOTE
Index Retained Strength (ASTM D1074-D1075)	\$ 512.00	Brinell Hardness of Steel (ASTM E10)	\$ 113.00
AC Hveem Maximum Density (CT 375)	\$ 512.00	Rockwell Hardness of Steel (ASTM E18)	\$ 113.00
Marshall Stability and Flow (ASTM D6927)	\$ 286.00	Bolt Ultimate Load	\$ 151.00
Calculated AC Maximum Density (CT 367)	\$ 113.00	Bolt Hardness (set of 3)	\$ 113.00
Marshall Maximum Density, 50 Blows (ASTM D6926)	\$ 333.00	Nut Hardness (set of 3)	\$ 113.00
Examination of AC Cores	\$ 39.00	Washer Hardness (set of 3)	\$ 113.00
Thickness Determination of AC Cores	\$ 25.00	Proof Loading, bolt or nut	\$ 161.00
AC Tensile-Strength Premixed ASTM D4867	\$ 740.00		
AC Tensile-Strength Lab Mixed ASTM D4867	\$ 1,253.00		
		FIREPROOFING	
REINFORCING STEEL		Cohesion/Adhesion Fireproofing Materials	\$ 144.00
Tensile & Bend of Rebar, #3 - #8	\$ 169.00	Dry Density Fireproofing (ASTM E605)	\$ 108.00
Tensile & Bend of Rebar, #9 - #11	\$ 169.00		
Bend Test of Rebar	\$ 69.00		
Slip and Tensile Rebar Couplers (CT 670)	\$ 246.00		
Tension Test of Welded Wire Fabric	QUOTE		
Bend Test of Welded Wire Fabric	QUOTE		
Weld Shear Test, Welded Wire Fabric	QUOTE		
PT Cable Tensile and Elongation (ASTM A416 or A421)	\$ 310.00		
PT Cable Preparation	QUOTE		

Escalation: The prices noted above are subject to an increase of 3-5% annual, effective January 1 of each year following the initiation of a services agreement.



**EXHIBIT B
INSURANCE REQUIREMENTS**

- a) Required Coverage. Consultant shall maintain all required insurance listed herein for the duration of this Agreement.

<u>TYPE OF INSURANCE</u>	<u>MINIMUM LIMITS</u>
<p>Commercial General Liability Premises Liability; Products and Completed Operations; Contractual Liability; Personal Injury and Advertising Liability</p>	<p>\$1,000,000 per occurrence; Bodily Injury and Property Damage \$2,000,00 in the aggregate; Commercial general coverage shall be at least as broad as Insurance Services Office Commercial General Liability occurrence form CG 0001 (most recent edition) covering comprehensive General Liability on an “occurrence” basis</p>
<p>Commercial or Business Automobile Liability All owned vehicles, hired or leased vehicles, non-owned, borrowed and permissive uses. Personal Automobile Liability is acceptable for individual contractors with no transportation or hauling related activities</p>	<p>\$1,000,000 per occurrence; Any Auto; Bodily Injury and Property Damage. Automobile coverage shall be at least as broad as Insurance Services Office Automobile Liability form CA 0001 (most recent edition), Code 1 (any auto). No endorsement shall be attached limiting the coverage.</p>
<p>Workers’ Compensation (WC) and Employers Liability (EL) Required for all contractors with employees</p>	<p>WC: Statutory Limits EL: \$100,000 per accident for bodily injury or disease. Consultant may rely on a self-insurance program to meet those requirements, but only if the program of self-insurance complies fully with the provisions of the California Labor Code. The insurer shall waive all rights of subrogation against MHCS D and its officers, officials, employees, and volunteers for loss arising from work performed under this Agreement</p>
<p>Professional Liability/Errors & Omissions Includes endorsements of contractual liability</p>	<p>\$1,000,000 per occurrence \$2,000,000 policy aggregate; Any deductible or self-insured retention shall not exceed \$150,000 per claim</p>

- b) Additional requirements. Each of the following shall be included in the insurance coverage or added as a certified endorsement to the policy:

- i) All required insurance shall be maintained during the entire term of the Agreement with the following exception: Insurance policies and coverage(s) written on a claims-made basis shall be maintained during the entire term of the Agreement and until three (3) years following termination and acceptance of all work provided under the Agreement,

with the retroactive date of said insurance (as may be applicable) concurrent with the commencement of activities pursuant to this Agreement

- ii) All insurance required above with the exception of Professional Liability, Personal Automobile Liability, Workers' Compensation and Employers Liability, shall be endorsed to name as additional insured: Mountain House Community Services District, its Board of Directors, and all MHCS D officers, agents, employees, volunteers and representatives.
- iii) For any claims related to this Agreement or the work hereunder, the Consultant's insurance covered shall be primary insurance as respects MHCS D, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by MHCS D, its officers, officials, employees, or volunteers shall be excess of the Consultant's insurance and shall not contribute with it.
- iv) Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party, except after 30 days' prior written notice has been provided to MHCS D.
- v) Certificates of Insurance: Before commencing operations under this Agreement, Consultant shall provide Certificate(s) of Insurance and applicable insurance endorsements, in form and satisfactory to MHCS D, evidencing that all required insurance coverage is in effect. MHCS D reserves the rights to require the Consultant to provide complete, certified copies of all required insurance policies.
- vi) Subcontractors: Consultant shall include all subcontractors as an insured (covered party) under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.
- vii) Claims-made limitations. The following provisions shall apply if the professional liability coverage is written on a claims-made form:
 - 1) The retroactive date of the policy must be shown and must be before the date of the Agreement.
 - 2) Insurance must be maintained and evidence of insurance must be provided for at least five years after completion of the Agreement or the work, so long as commercially available at reasonable rates.
 - 3) If coverage is canceled or not renewed and it is not replaced with another claims-made policy form with a retroactive date that precedes the date of this Agreement, Consultant must purchase an extended period coverage for a minimum of three (3) years after completion of work under this Agreement.
 - 4) A copy of the claim reporting requirements must be submitted to MHCS D for review prior to the commencement of any work under this Agreement.

c) All Policies Requirements.

- i) Acceptability of insurers. All insurance required by this section is to be placed with insurers with a Bests' rating of no less than A:VII. Insurance shall be maintained through an insurer with a minimum A.M. Best Rating of A- or better, with deductible amounts acceptable to MHCSO. Acceptance of Consultant's insurance by MHCSO shall not relieve or decrease the liability of Consultant hereunder. Any deductible or self-insured retention amount or other similar obligation under the policies shall be the sole responsibility of the Consultant.
- ii) Deductibles and Self-Insured Retentions. Consultant shall disclose to and obtain the written approval of MHCSO for the self-insured retentions and deductibles before beginning any of the services or work called for by any term of this Agreement. At the option of MHCSO, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects MHCSO, its officers, employees, and volunteers; or the Consultant shall provide a financial guarantee satisfactory to MHCSO guaranteeing payment of losses and related investigations, claim administration and defense expenses.
- iii) Wasting Policies. No policy required by this Section 4 shall include a "wasting" policy limit (i.e. limit that is eroded by the cost of defense).
- iv) Waiver of Subrogation. Consultant hereby agrees to waive subrogation which any insurer or contractor may require from vendor by virtue of the payment of any loss. Consultant agrees to obtain any endorsements that may be necessary to affect this waiver of subrogation. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of the entity for all work performed by the consultant, its employees, agents, and subcontractors.

d) Remedies. In addition to any other remedies MHCSO may have if Consultant fails to provide or maintain any insurance policies or policy endorsements to the extent and within the time herein required, MHCSO may, at its sole option exercise any of the following remedies, which are alternatives to other remedies MHCSO may have and are not the exclusive remedy for Consultant's breach:

- i) Obtain such insurance and deduct and retain the amount of the premiums for such insurance from any sums due under the Agreement;
- ii) Order Consultant to stop work under this Agreement or withhold any payment that becomes due to Consultant hereunder, or both stop work and withhold any payment, until Consultant demonstrates compliance with the requirements hereof; and/or
- iii) Terminate this Agreement.

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