

AGREEMENT FOR SERVICES OF INDEPENDENT CONTRACTOR

THIS AGREEMENT (hereafter Agreement) is made by and between the County of Santa Barbara, a political subdivision of the State of California (hereafter COUNTY) and NV5 West Inc. with an address at 1868 Palma Drive, Suite A, Ventura, CA 93003 (hereafter CONTRACTOR) wherein CONTRACTOR agrees to provide and COUNTY agrees to accept the services specified herein.

WHEREAS, CONTRACTOR represents that it is specially trained, skilled, experienced, and competent to perform the special services required by COUNTY and COUNTY desires to retain the services of CONTRACTOR pursuant to the terms, covenants, and conditions herein set forth;

NOW, THEREFORE, in consideration of the mutual covenants and conditions contained herein, the parties agree as follows:

1. DESIGNATED REPRESENTATIVE

Philip Gaston at phone number 805-803-8776 is the representative of COUNTY and will administer this Agreement for and on behalf of COUNTY. Scott Moors at phone number 805-656-6074 is the authorized representative for CONTRACTOR. Changes in designated representatives shall be made only after advance written notice to the other party. The designated representative may also be referred to herein as the "Contract Administrator".

2. NOTICES

Any notice or consent required or permitted to be given under this Agreement shall be given to the respective parties in writing, by personal delivery or facsimile, or with postage prepaid by first class mail, registered or certified mail, or express courier service, as follows:

To COUNTY: Philip Gaston, Public Works Transportation, 620 West Foster Rd. Santa Maria, CA, 93455
To CONTRACTOR: Scott Moors, NV5 West Inc., 1868 Palma Drive, Suite A, Ventura, CA 93003

or at such other address or to such other person that the parties may from time to time designate in accordance with this Notices section. If sent by first class mail, notices and consents under this section shall be deemed to be received five (5) days following their deposit in the U.S. mail. This Notices section shall not be construed as meaning that either party agrees to service of process except as required by applicable law.

3. SCOPE OF SERVICES

CONTRACTOR agrees to provide services to COUNTY in accordance with EXHIBIT A attached hereto and incorporated herein by reference.

4. PERFORMANCE PERIOD

A. This contract shall go into effect on April 6, 2021, contingent upon approval by COUNTY, and CONTRACTOR shall commence work after notification to proceed by COUNTY'S Contract Administrator. The contract shall end on June 30, 2024 unless extended by contract amendment or unless earlier terminated.

B. CONTRACTOR is advised that any recommendation for contract award is not binding on COUNTY until the contract is fully executed and approved by COUNTY.

5. COMPENSATION OF CONTRACTOR

In full consideration for CONTRACTOR's services, CONTRACTOR shall be paid for performance under this Agreement in accordance with the terms of EXHIBIT B attached hereto and incorporated herein by reference.

6. FEDERAL AND STATE PREVAILING WAGE RATES

A. CONTRACTOR shall comply with the State of California's General Prevailing Wage Rate requirements in accordance with California Labor Code, Section 1770, and all Federal, State, and local laws and ordinances applicable to the work.

B. Any subcontract entered into as a result of this contract shall contain all of the provisions of this Article.

C. When prevailing wages apply to the services described in the scope of work, transportation and subsistence costs shall be reimbursed at the minimum rates set by the Department of Industrial Relations (DIR) as outlined in the applicable Prevailing Wage Determination. See <http://www.dir.ca.gov>.

D. No contractor or subcontractor may be listed on a bid proposal for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code § 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code § 1771.1(a)]; no contractor or subcontractor may be awarded a contract for public work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code § 1725.5; and this project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

7. COST PRINCIPLES AND ADMINISTRATIVE REQUIREMENTS

A. CONTRACTOR agrees that the Contract Cost Principles and Procedures, 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31.000 et seq., shall be used to determine the allowable cost(s) of individual items.

B. CONTRACTOR also agrees to comply with federal procedures in accordance with 2 CFR Part 200 Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Super or Omni Circular)

C. Any costs for which payment has been made to CONTRACTOR that are determined by subsequent audit to be unallowable under applicable Federal Regulations, are subject to repayment by CONTRACTOR to COUNTY.

D. All subcontracts shall contain the above provisions.

8. INDEPENDENT CONTRACTOR

It is mutually understood and agreed that CONTRACTOR (including any and all of its officers, agents, and employees), shall perform all of its services under this Agreement as an independent contractor as to COUNTY and not as an officer, agent, servant, employee, joint venturer, partner, or associate of COUNTY. Furthermore, COUNTY shall have no right to control, supervise, or direct the manner or method by which CONTRACTOR shall perform its

work and function. However, COUNTY shall retain the right to administer this Agreement so as to verify that CONTRACTOR is performing its obligations in accordance with the terms and conditions hereof. CONTRACTOR understands and acknowledges that it shall not be entitled to any of the benefits of a COUNTY employee, including but not limited to vacation, sick leave, administrative leave, health insurance, disability insurance, retirement, unemployment insurance, workers' compensation and protection of tenure. CONTRACTOR shall be solely liable and responsible for providing to, or on behalf of, its employees all legally-required employee benefits. In addition, CONTRACTOR shall be solely responsible and save COUNTY harmless from all matters relating to payment of CONTRACTOR's employees, including compliance with Social Security withholding and all other regulations governing such matters. It is acknowledged that during the term of this Agreement, CONTRACTOR may be providing services to others unrelated to the COUNTY or to this Agreement.

9. STANDARD OF PERFORMANCE

CONTRACTOR represents that it has the skills, expertise, and licenses/permits necessary to perform the services required under this Agreement. Accordingly, CONTRACTOR shall perform all such services in the manner and according to the standards observed by a competent practitioner of the same profession in which CONTRACTOR is engaged. All products of whatsoever nature, which CONTRACTOR delivers to COUNTY pursuant to this Agreement, shall be prepared in a manner consistent with the standards normally observed by a person practicing in CONTRACTOR's profession. CONTRACTOR shall correct or revise any errors or omissions, at COUNTY'S request without additional compensation. Permits and/or licenses shall be obtained and maintained by CONTRACTOR without additional compensation.

10. SUBCONTRACTING

A. Nothing contained in this contract or otherwise, shall create any contractual relation between COUNTY and any subcontractor(s), and no subcontract shall relieve CONTRACTOR of its responsibilities and obligations hereunder. CONTRACTOR agrees to be as fully responsible to COUNTY for the acts and omissions of its subcontractor(s) and of persons either directly or indirectly employed by any of them as it is for the acts and omissions of persons directly employed by CONTRACTOR. CONTRACTOR's obligation to pay its subcontractor(s) is an independent obligation from COUNTY'S obligation to make payments to the CONTRACTOR.

B. CONTRACTOR shall perform the work contemplated with resources available within its own organization and no portion of the work pertinent to this contract shall be subcontracted without written authorization by COUNTY's Contract Administrator, except that, which is expressly identified in the approved Cost Proposal.

C. CONTRACTOR shall pay its subcontractors within ten (10) calendar days from receipt of each payment made to CONTRACTOR by COUNTY.

D. Any subcontract entered into as a result of this contract shall contain all the provisions stipulated in this contract to be applicable to subcontractors.

E. Any substitution of subcontractor(s) must be approved in writing by COUNTY's Contract Administrator prior to the start of work by the subcontractor(s).

11. SUBCONTRACTORS

CONTRACTOR is authorized to subcontract with;

a) Sequoia Consultants, 361 West Grove Avenue, Orange, CA 92865 - mechanical couplers and fusion welds

b) G3 Quality, 13850 Cerritos Corporate Drive, Suite E, Cerritos, CA 90703 - select HMA & aggregate tests

c) Wood Environment & Infrastructure, Inc., 9177 Sky Park Ct., Ste. A San Diego, CA – misc. aggregate tests

CONTRACTOR shall be fully responsible for all services performed by its subcontractors. CONTRACTOR shall secure from its subcontractor all rights for COUNTY in this Agreement, including audit rights. CONTRACTOR shall ensure subcontractor's compliance with California Labor Code, including but not limited to the payment of prevailing wage when required.

12. EQUIPMENT PURCHASES

A. Prior authorization in writing, by COUNTY's Contract Administrator shall be required before CONTRACTOR enters into any unbudgeted purchase order, or subcontract exceeding \$5,000 for supplies, equipment, or CONTRACTOR services. CONTRACTOR shall provide an evaluation of the necessity or desirability of incurring such costs.

B. For purchase of any item, service or consulting work not covered in CONTRACTOR's Cost Proposal and exceeding \$5,000 prior authorization by COUNTY's Contract Administrator; three competitive quotations must be submitted with the request, or the absence of bidding must be adequately justified.

Any equipment purchased as a result of this contract is subject to the following: "CONTRACTOR shall maintain an inventory of all nonexpendable property. Nonexpendable property is defined as having a useful life of at least two years and an acquisition cost of \$5,000 or more. If the purchased equipment needs replacement and is sold or traded in, COUNTY shall receive a proper refund or credit at the conclusion of the contract, or if the contract is terminated, CONTRACTOR may either keep the equipment and credit COUNTY in an amount equal to its fair market value, or sell such equipment at the best price obtainable at a public or private sale, in accordance with established COUNTY procedures; and credit COUNTY in an amount equal to the sales price. If CONTRACTOR elects to keep the equipment, fair market value shall be determined at CONTRACTOR's expense, on the basis of a competent independent appraisal of such equipment. Appraisals shall be obtained from an appraiser mutually agreeable to by COUNTY and CONTRACTOR, if it is determined to sell the equipment, the terms and conditions of such sale must be approved in advance by COUNTY."

C. All subcontracts shall contain the above provisions.

13. DEBARMENT AND SUSPENSION

A. CONTRACTOR's signature affixed herein shall constitute a certification under penalty of perjury under the laws of the State of California, that CONTRACTOR has complied with Title 2 CFR, Part 180, "OMB Guidelines to Agencies on Government wide Debarment and Suspension (nonprocurement)", which certifies that he/she or any person associated therewith in the capacity of owner, partner, director, officer, or manager, is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency; has not been suspended, debarred, voluntarily excluded, or determined ineligible by any federal agency within the past three (3) years; does not have a proposed debarment pending; and has not been indicted, convicted, or had a

civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three (3) years. Any exceptions to this certification must be disclosed to COUNTY.

B. Exceptions will not necessarily result in denial of recommendation for award, but will be considered in determining CONTRACTOR responsibility. Disclosures must indicate to whom exceptions apply, initiating agency, and dates of action.

C. Exceptions to the Federal Government Excluded Parties List System maintained by the General Services Administration are to be determined by the Federal Highway Administration.

D. CONTRACTOR's signature affixed herein shall constitute a certification under penalty of perjury under the laws of the State of California, which certifies that CONTRACTOR or any person associated therewith in the capacity of owner, partner, director, officer, or manager, is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility for participation in any state or local government agency contracts. CONTRACTOR certifies that it shall not contract with a subcontractor that is so debarred or suspended.

14. TAXES

CONTRACTOR shall pay all taxes, levies, duties, and assessments of every nature due in connection with any work under this Agreement and shall make any and all payroll deductions required by law. COUNTY shall not be responsible for paying any taxes on CONTRACTOR's behalf, and should COUNTY be required to do so by state, federal, or local taxing agencies, CONTRACTOR agrees to promptly reimburse COUNTY for the full value of such paid taxes plus interest and penalty, if any. These taxes shall include, but not be limited to, the following: FICA (Social Security), unemployment insurance contributions, income tax, disability insurance, and workers' compensation insurance.

15. CONFLICT OF INTEREST

A. CONTRACTOR shall disclose in writing any financial, business, or other relationship with COUNTY that may have an impact upon the outcome of this contract, or any ensuing COUNTY construction project. CONTRACTOR shall also list current clients who may have a financial interest in the outcome of this contract, or any ensuing COUNTY construction project, which will follow.

B. CONTRACTOR hereby certifies that it does not now have, nor shall it acquire any financial or business interest that would conflict with the performance of services under this contract.

C. Any subcontract entered into as a result of this contract, shall contain all of the provisions of this Section.

D. CONTRACTOR hereby certifies that neither CONTRACTOR, nor any firm affiliated with CONTRACTOR will bid on any construction contract, or on any contract to provide construction inspection for any construction project resulting from this contract. An affiliated firm is one, which is subject to the control of the same persons through joint-ownership, or otherwise.

E. Except for subcontractor whose services are limited to providing surveying or materials testing information, no subcontractor who has provided design services in connection with this contract shall be eligible to bid on any construction contract, or on any contract to provide construction inspection for any construction project resulting from this contract.

16. OWNERSHIP OF DOCUMENTS AND INTELLECTUAL PROPERTY

COUNTY shall be the owner of the following items incidental to this Agreement upon production, whether or not completed: all data collected, all documents of any type whatsoever, all photos, designs, sound or audiovisual recordings, software code, inventions, technologies, and other materials, and any material necessary for the practical use of such items, from the time of collection and/or production whether or not performance under this Agreement is completed or terminated prior to completion. CONTRACTOR shall not release any of such items to other parties except after prior written approval of COUNTY.

Unless otherwise specified in Exhibit A, CONTRACTOR hereby assigns to COUNTY all copyright, patent, and other intellectual property and proprietary rights to all data, documents, reports, photos, designs, sound or audiovisual recordings, software code, inventions, technologies, and other materials prepared or provided by CONTRACTOR pursuant to this Agreement (collectively referred to as "Copyrightable Works and Inventions"). COUNTY shall have the unrestricted authority to copy, adapt, perform, display, publish, disclose, distribute, create derivative works from, and otherwise use in whole or in part, any Copyrightable Works and Inventions. CONTRACTOR agrees to take such actions and execute and deliver such documents as may be needed to validate, protect and confirm the rights and assignments provided hereunder. CONTRACTOR warrants that any Copyrightable Works and Inventions and other items provided under this Agreement will not infringe upon any intellectual property or proprietary rights of any third party. CONTRACTOR at its own expense shall defend, indemnify, and hold harmless COUNTY against any claim that any Copyrightable Works or Inventions or other items provided by CONTRACTOR hereunder infringe upon intellectual or other proprietary rights of a third party, and CONTRACTOR shall pay any damages, costs, settlement amounts, and fees (including attorneys' fees) that may be incurred by COUNTY in connection with any such claims. This Ownership of Documents and Intellectual Property provision shall survive expiration or termination of this Agreement.

17. NO PUBLICITY OR ENDORSEMENT

CONTRACTOR shall not use COUNTY's name or logo or any variation of such name or logo in any publicity, advertising or promotional materials. CONTRACTOR shall not use COUNTY's name or logo in any manner that would give the appearance that the COUNTY is endorsing CONTRACTOR. CONTRACTOR shall not in any way contract on behalf of or in the name of COUNTY. CONTRACTOR shall not release any informational pamphlets, notices, press releases, research reports, or similar public notices concerning the COUNTY or its projects, without obtaining the prior written approval of COUNTY.

18. COUNTY PROPERTY AND INFORMATION

All of COUNTY's property, documents, and information provided for CONTRACTOR's use in connection with the services shall remain COUNTY's property, and CONTRACTOR shall return any such items whenever requested by COUNTY and whenever required according to the Termination section of this Agreement. CONTRACTOR may use such items only in connection with providing the services. CONTRACTOR shall not disseminate any COUNTY property, documents, or information without COUNTY's prior written consent.

19. RETENTION OF RECORDS/AUDIT

For the purpose of determining compliance with Public Contract Code 10115, et seq. and Title 21, California Code of Regulations, Chapter 21, Section 2500 et seq., when applicable and other matters connected with the performance of the contract pursuant to Government Code 8546.7; CONTRACTOR, subcontractors, and COUNTY shall maintain and make available for inspection all books, documents, papers, accounting records, and other evidence pertaining to the performance of the contract, including but not limited to, the costs of administering the contract. All parties shall make such materials available at their respective offices at all reasonable times during the contract period and for three years from the date of final payment under the contract. The state, State Auditor,

COUNTY, FHWA, or any duly authorized representative of the Federal Government shall have access to any books, records, and documents of CONTRACTOR and its certified public accountants (CPA) work papers that are pertinent to the contract and indirect cost rates (ICR) for audit, examinations, excerpts, and transactions, and copies thereof shall be furnished if requested. Subcontracts shall contain this provision.

If federal, state or COUNTY audit exceptions are made relating to this Agreement, CONTRACTOR shall reimburse all costs incurred by federal, state, and/or COUNTY governments associated with defending against the audit exceptions or performing any audits or follow-up audits, including but not limited to: audit fees, court costs, attorneys' fees based upon a reasonable hourly amount for attorneys in the community, travel costs, penalty assessments and all other costs of whatever nature. Immediately upon notification from COUNTY, CONTRACTOR shall reimburse the amount of the audit exceptions and any other related costs directly to COUNTY as specified by COUNTY in the notification.

20. AUDIT REVIEW PROCEDURES

A. Any dispute concerning a question of fact arising under an interim or post audit of this contract that is not disposed of by agreement, shall be reviewed by COUNTY'S Deputy Director - Finance and Administration for Public Works.

B. Not later than 30 days after issuance of the final audit report, CONTRACTOR may request a review by COUNTY'S Chief Financial Officer of unresolved audit issues. The request for review will be submitted in writing.

C. Neither the pendency of a dispute nor its consideration by COUNTY will excuse CONTRACTOR from full and timely performance, in accordance with the terms of this contract.

D. CONTRACTOR and subcontractor contracts, including cost proposals and ICR, are subject to audits or reviews such as, but not limited to, a contract audit, an incurred cost audit, an ICR Audit, or a CPA ICR audit work paper review. If selected for audit or review, the contract, cost proposal and ICR and related work papers, if applicable, will be reviewed to verify compliance with 48 CFR, Part 31 and other related laws and regulations. In the instances of a CPA ICR audit work paper review it is CONTRACTOR'S responsibility to ensure federal, state, or local government officials are allowed full access to the CPA'S work papers including making copies as necessary. The contract, cost proposal, and ICR shall be adjusted by CONTRACTOR and approved by COUNTY contract manager to conform to the audit or review recommendations. CONTRACTOR agrees that individual terms of costs identified in the audit report shall be incorporated into the contract by this reference if directed by COUNTY at its sole discretion. Refusal by CONTRACTOR to incorporate audit or review recommendations, or to ensure that the federal, state or local governments have access to CPA work papers, will be considered a breach of contract terms and cause for termination of the contract and disallowance of prior reimbursed costs.

E. CONTRACTOR Cost Proposal is subject to a CPA ICR Audit Work Paper Review by Caltrans' Audit and Investigation (Caltrans). Caltrans, at its sole discretion, may review and/or audit and approve the CPA ICR documentation. The Cost Proposal shall be adjusted by the CONTRACTOR and approved by the COUNTY Contract Administrator to conform to the Work Paper Review recommendations included in the management letter or audit recommendations included in the audit report. Refusal by the CONTRACTOR to incorporate the Work Paper Review recommendations included in the management letter or audit recommendations included in the audit report will be considered a breach of the contract terms and cause for termination of the contract and disallowance of prior reimbursed costs.

- 1) During a Caltrans' review of the ICR audit work papers created by the CONTRACTOR'S independent CPA, Caltrans will work with the CPA and/or CONTRACTOR toward a resolution of issues that arise during the review. Each party agrees to use its best efforts to resolve any audit disputes in a timely manner. If Caltrans

identifies significant issues during the review and is unable to issue a cognizant approval letter, COUNTY will reimburse the CONTRACTOR at a provisional ICR until a FAR compliant ICR {e.g. 48 CFR, part 31; GAGAS (Generally Accepted Auditing Standards); CAS (Cost Accounting Standards), if applicable; in accordance with procedures and guidelines of the American Association of State Highways and Transportation Officials Audit Guide; and other applicable procedures and guidelines} is received and approved by the Department of Audits & Investigations. Provisional rates will be as follows:

- a) If the proposed rate is less than 150% - the provisional rate reimbursed will be 90% of the proposed rate.
 - b) If the proposed rate is between 150% and 200% - the provisional rate will be 85% of the proposed rate.
 - c) If the proposed rate is greater than 200% - the provisional rate will be 75% of the proposed rate.
- 2) If Caltrans is unable to issue a cognizant letter per paragraph E.1. above, Caltrans may require CONTRACTOR to submit a revised independent CPA-audited ICR and audit report within three (3) months of the effective date of the management letter. Caltrans will then have up to six (60 months to review the CONTRACTOR's and/or the independent CPA's revisions.
 - 3) If the CONTRACTOR fails to comply with the provisions of this Section E, or if Caltrans is still unable to issue a cognizant approval letter after the revised independent CPA-audited ICR is submitted, overhead cost reimbursement will be limited to the provisional ICR that was established upon initial rejection of the ICR and set forth in paragraph E.1. above for all rendered services. In this event, this provisional ICR will become the actual and final ICR for reimbursement purposes under this contract.
 - 4) CONTRACTOR may submit to COUNTY final invoice only when all of the following items have occurred: (1) Caltrans approves or rejects the original or revised independent CPA-audited ICR; (2) all work under this contract has been completed to the satisfaction of LOCAL AGENCY; and, (3) Caltrans has issued its final ICR review letter. The CONTRACTOR MUST SUBMIT ITS FINAL INVOICE TO COUNTY no later than 60 days after occurrence of the last of these items.

The provisional ICR will apply to this contract and all other contracts executed between COUNTY and the CONTRACTOR, either as a prime or subcontractor, with the same fiscal period ICR.

21. INDEMNIFICATION AND INSURANCE

CONTRACTOR agrees to the indemnification and insurance provisions as set forth in EXHIBIT C attached hereto and incorporated herein by reference.

22. NONDISCRIMINATION

A. COUNTY hereby notifies CONTRACTOR that COUNTY's Unlawful Discrimination Ordinance (Article XIII of Chapter 2 of the Santa Barbara County Code) applies to this Agreement and is incorporated herein by this reference with the same force and effect as if the ordinance were specifically set out herein and CONTRACTOR agrees to comply with said ordinance.

B. STATEMENT OF COMPLIANCE:

1. CONTRACTOR's signature affixed herein, and dated, shall constitute a certification under penalty of perjury under the laws of the State of California that CONTRACTOR has, unless exempt, complied with, the nondiscrimination program requirements of Government Code Section 12990 and Title 2, California Administrative Code, Section 8103.

2. During the performance of this Contract, CONTRACTOR and its subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (e.g., cancer), age (over 40), marital status, and denial of family care leave. CONTRACTOR and subcontractors shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. CONTRACTOR and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code §12990 (a-f) et seq.) and the applicable regulations promulgated there under (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Contract by reference and made a part hereof as if set forth in full. CONTRACTOR and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other Agreement.

3. The CONTRACTOR shall comply with regulations relative to Title VI (nondiscrimination in federally-assisted programs of the Department of Transportation – Title 49 Code of Federal Regulations, Part 21 - Effectuation of Title VI of the 1964 Civil Rights Act). Title VI provides that the recipients of federal assistance will implement and maintain a policy of nondiscrimination in which no person in the state of California shall, on the basis of race, color, national origin, religion, sex, age, disability, be excluded from participation in, denied the benefits of or subject to discrimination under any program or activity by the recipients of federal assistance or their assignees and successors in interest.

4. The CONTRACTOR, with regard to the work performed by it during the Agreement shall act in accordance with Title VI. Specifically, the CONTRACTOR shall not discriminate on the basis of race, color, national origin, religion, sex, age, or disability in the selection and retention of Subcontractors, including procurement of materials and leases of equipment. The CONTRACTOR shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the U.S. DOT's Regulations, including employment practices when the Agreement covers a program whose goal is employment.

23. REBATES, KICKBACKS OR OTHER UNLAWFUL CONSIDERATION

CONTRACTOR warrants that this contract was not obtained or secured through rebates, kickbacks or other unlawful consideration, either promised or paid to any COUNTY employee. For breach or violation of this warranty, COUNTY shall have the right in its discretion; to terminate the contract without liability; to pay only for the value of the work actually performed; or to deduct from the contract price; or otherwise recover the full amount of such rebate, kickback or other unlawful consideration.

24. PROHIBITION OF EXPENDING COUNTY, STATE OR FEDERAL FUNDS FOR LOBBYING

A. CONTRACTOR certifies to the best of his or her knowledge and belief that:

1. No state, federal or COUNTY appropriated funds have been paid, or will be paid by-or-on behalf of CONTRACTOR to any person for influencing or attempting to influence an officer or employee of any state or federal agency; a Member of the State Legislature or United States Congress; an officer or employee of the Legislature or Congress; or any employee of a Member of the Legislature or Congress, in connection with the awarding of any state or federal contract; the making of any state or federal grant; the making of any state or federal loan; the entering into of any cooperative agreement, and the extension,

continuation, renewal, amendment, or modification of any state or federal contract, grant, loan, or cooperative agreement.

2. If any funds other than federal appropriated funds have been paid, or will be paid to any person for influencing or attempting to influence an officer or employee of any federal agency; a Member of Congress; an officer or employee of Congress, or an employee of a Member of Congress; in connection with this federal contract, grant, loan, or cooperative agreement; CONTRACTOR shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.

B. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

C. CONTRACTOR also agrees by signing this document that he or she shall require that the language of this certification be included in all lower-tier subcontracts which exceed \$100,000, and that all such sub recipients shall certify and disclose accordingly.

25. CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT.

CONTRACTOR shall comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q.) and pursuant to the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). The CONTRACTOR shall promptly disclose, in writing, to the COUNTY office, to the Federal Awarding Agency, and to the Regional Office of the Environmental Protection Agency (EPA), whenever, in connection with the award, performance, or closeout of this contract or any subcontract thereunder, the Contractor has credible evidence that a principal, employee, agent, or subcontractor of the Contractor has committed a violation of the Clean Air Act (42 U.S.C. 7401-7671q.) or the Federal Water Pollution Control Act (33 U.S.C. 1251-1387).

26. PROCUREMENT OF RECOVERED MATERIALS

CONTRACTOR must comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

27. NONEXCLUSIVE AGREEMENT

CONTRACTOR understands that this is not an exclusive Agreement and that COUNTY shall have the right to negotiate with and enter into contracts with others providing the same or similar services as those provided by CONTRACTOR as the COUNTY desires.

28. NON-ASSIGNMENT

CONTRACTOR shall not assign, transfer or subcontract this Agreement or any of its rights or obligations under this Agreement without the prior written consent of COUNTY and any attempt to so assign, subcontract or transfer without such consent shall be void and without legal effect and shall constitute grounds for termination.

29. TERMINATION

A. COUNTY reserves the right to terminate this contract for convenience upon thirty (30) calendar days written notice to CONTRACTOR with the reasons for termination stated in the notice. During the thirty (30) day period, CONTRACTOR shall, as directed by COUNTY, wind down and cease its services as quickly and efficiently as reasonably possible, without performing unnecessary services or activities and by minimizing negative effects on COUNTY from such winding down and cessation of services.

B. COUNTY may terminate this contract with CONTRACTOR should CONTRACTOR fail to perform the covenants herein contained at the time and in the manner herein provided. In the event of such termination, COUNTY may proceed with the work in any manner deemed proper by COUNTY. If COUNTY terminates this contract with CONTRACTOR, COUNTY shall pay CONTRACTOR the sum due to CONTRACTOR under this contract prior to termination, unless the cost of completion to COUNTY exceeds the funds remaining in the contract. In which case the overage shall be deducted from any sum due CONTRACTOR under this contract and the balance, if any, shall be paid to CONTRACTOR upon demand.

C. Should COUNTY fail to pay CONTRACTOR all or any part of the payment set forth in EXHIBIT B, CONTRACTOR may, at CONTRACTOR's option, terminate this Agreement if such failure is not remedied by COUNTY within thirty (30) days of written notice to COUNTY of such late payment.

D. The maximum amount for which the COUNTY shall be liable if this contract is terminated is \$409,361 dollars.

E. Upon termination, CONTRACTOR shall deliver to COUNTY all data, estimates, graphs, summaries, reports, and all other property, records, documents or papers as may have been accumulated or produced by CONTRACTOR in performing this Agreement, whether completed or in process, except such items as COUNTY may, by written permission, permit CONTRACTOR to retain. CONTRACTOR shall furnish to COUNTY such financial information as in the judgment of COUNTY is necessary to determine the reasonable value of the services rendered by CONTRACTOR. In the event of a dispute as to the reasonable value of the services rendered by CONTRACTOR, the decision of COUNTY shall be final. The foregoing is cumulative and shall not affect any right or remedy which COUNTY may have in law or equity.

30. SECTION HEADINGS

The headings of the several sections, and any Table of Contents appended hereto, shall be solely for convenience of reference and shall not affect the meaning, construction or effect hereof.

31. SEVERABILITY

If any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal or unenforceable in any respect, then such provision or provisions shall be deemed severable from the remaining provisions hereof, and such invalidity, illegality or unenforceability shall not affect any other provision hereof, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

32. REMEDIES NOT EXCLUSIVE

No remedy herein conferred upon or reserved to COUNTY is intended to be exclusive of any other remedy or remedies, and each and every such remedy, to the extent permitted by law, shall be cumulative and in addition to any other remedy given hereunder or now or hereafter existing at law or in equity or otherwise.

33. TIME IS OF THE ESSENCE

Time is of the essence in this Agreement and each covenant and term is a condition herein.

34. NO WAIVER OF DEFAULT

No delay or omission of COUNTY to exercise any right or power arising upon the occurrence of any event of default shall impair any such right or power or shall be construed to be a waiver of any such default or an acquiescence therein; and every power and remedy given by this Agreement to COUNTY shall be exercised from time to time and as often as may be deemed expedient in the sole discretion of COUNTY.

35. ENTIRE AGREEMENT AND AMENDMENT

In conjunction with the matters considered herein, this Agreement contains the entire understanding and agreement of the parties and there have been no promises, representations, agreements, warranties or undertakings by any of the parties, either oral or written, of any character or nature hereafter binding except as set forth herein. This Agreement may be altered, amended or modified only by an instrument in writing, executed by the parties to this Agreement and by no other means. Each party waives their future right to claim, contest or assert that this Agreement was modified, canceled, superseded, or changed by any oral agreements, course of conduct, waiver or estoppel.

36. IMMATERIAL CHANGES

CONTRACTOR and COUNTY agree that immaterial changes to this Agreement such as time frame and mutually agreeable work program changes which will not result in a change to the total contract amount or to the scope of the Statement of Work may be authorized by the Public Works Director, or designee in writing, and will not constitute an amendment to the Agreement.

37. SUCCESSORS AND ASSIGNS

All representations, covenants and warranties set forth in this Agreement, by or on behalf of, or for the benefit of any or all of the parties hereto, shall be binding upon and inure to the benefit of such party, its successors and assigns.

38. COMPLIANCE WITH LAW

CONTRACTOR shall, at its sole cost and expense, comply with all County, State and Federal ordinances and statutes now in force or which may hereafter be in force with regard to this Agreement. The judgment of any court of competent jurisdiction, or the admission of CONTRACTOR in any action or proceeding against CONTRACTOR, whether COUNTY is a party thereto or not, that CONTRACTOR has violated any such ordinance or statute, shall be conclusive of that fact as between CONTRACTOR and COUNTY.

39. CALIFORNIA LAW AND JURISDICTION

This Agreement shall be governed by the laws of the State of California. Any litigation regarding this Agreement or its contents shall be filed in the County of Santa Barbara, if in state court, or in the federal district court nearest to Santa Barbara County, if in federal court.

40. EXECUTION OF COUNTERPARTS

This Agreement may be executed in any number of counterparts and each of such counterparts shall for all purposes be deemed to be an original; and all such counterparts, or as many of them as the parties shall preserve undestroyed, shall together constitute one and the same instrument.

41. AUTHORITY

All signatories and parties to this Agreement warrant and represent that they have the power and authority to enter into this Agreement in the names, titles and capacities herein stated and on behalf of any entities, persons, or firms represented or purported to be represented by such entity(ies), person(s), or firm(s) and that all formal requirements necessary or required by any state and/or federal law in order to enter into this Agreement have been fully complied with. Furthermore, by entering into this Agreement, CONTRACTOR hereby warrants that it shall not have breached the terms or conditions of any other contract or agreement to which CONTRACTOR is obligated, which breach would have a material effect hereon.

42. SURVIVAL

All provisions of this Agreement which by their nature are intended to survive the termination or expiration of this Agreement shall survive such termination or expiration.

43. PRECEDENCE

In the event of conflict between the provisions contained in the numbered sections of this Agreement and the provisions contained in the Exhibits, the provisions of the Exhibits shall prevail over those in the numbered sections.

Agreement for Services Independent Contractor between the County of Santa Barbara and NV5 West, Inc.

IN WITNESS WHEREOF, the parties have executed this Agreement to be effective on the date executed by COUNTY.

CONTRACTOR:

NV5 West, Incorporated

By: 
Authorized Representative

Name: Scott Moors

Title: Vice President

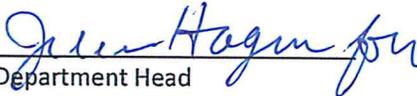
COUNTY SIGNATURE PAGE

Agreement for services and work to be performed by Contractor between the County and Contractor.
IN WITNESS WHEREOF, the parties have executed this Agreement to be effective on the date executed by County.

RECOMMENDED FOR APPROVAL:

Scott D. McGolpin
Director of Public Works

COUNTY OF SANTA BARBARA:

By: 
Department Head

By: _____
Bob Nelson Chair, Board of Supervisors

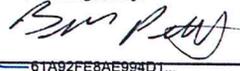
ATTEST:

Mona Miyasato
County Executive Officer
Clerk of the Board

By: _____
Deputy Clerk

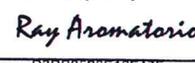
APPROVED AS TO FORM:

Michael C. Ghizzoni
County Counsel

By: 
Deputy County Counsel

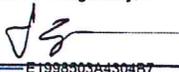
APPROVED AS TO FORM:

Ray Aromatorio
Risk Manager

By: 
Risk Management

APPROVED AS TO ACCOUNTING FORM:

Betsy M. Schaffer
Auditor Controller

By: 
Deputy

Fiscal Responsibility: _____

Department	Division	Subdivision	Program	Organization Unit	Fund	Account	Area

EXHIBIT A

STATEMENT OF WORK

NV5 West Inc. shall perform quality assurance material testing required for the Floradale Avenue Bridge Replacement project in accordance with the attached Proposal dated February 5, 2021, Attachment 1. NV5 West Inc. and their listed subcontractors shall be the individual(s) personally responsible for providing all services hereunder. CONTRACTOR may not substitute other persons without the prior written approval of COUNTY's designated representative.

Suspension for Convenience. COUNTY may, without cause, order CONTRACTOR in writing to suspend, delay, or interrupt the services under this Agreement in whole or in part for up to 30 days. COUNTY shall incur no liability for suspension under this provision and suspension shall not constitute a breach of this Agreement.

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EXHIBIT B

PAYMENT ARRANGEMENTS

Cost per Unit of Work

A. The method of payment for the individual, identified, items shall be at the rate specified for each item, as described in Attachment 2. The specified rate shall include full compensation to CONTRACTOR for the item as described, including but not limited to, any repairs, maintenance, or insurance, and no further compensation will be allowed therefore.

B. The specified rate to be paid for vehicle expense for CONTRACTOR's field personnel shall be as shown in the approved Cost Proposal, Attachment 2. This rate shall be for a fully equipped vehicle, with radio and flashing yellow light (if needed), as specified in Exhibit A, Statement of Work.

C. The specified rate to be paid for equipment for CONTRACTOR shall be, as listed in the Cost Proposal, Attachment 2.

D. The method of payment for this contract, except those items to be paid for on a specified rate basis, will be based on cost per unit of work. COUNTY will reimburse CONTRACTOR for actual costs (including labor costs, employee benefits, travel, equipment-rental costs, overhead and other direct costs) incurred by CONTRACTOR in performance of the work. CONTRACTOR will not be reimbursed for actual costs that exceed the estimated wage rates, employee benefits, travel, equipment rental, overhead and other estimated costs set forth in the approved Cost Proposal, unless additional reimbursement is provided for, by contract amendment. In no event, will CONTRACTOR be reimbursed for overhead costs at a rate that exceeds COUNTY approved overhead rate set forth in the approved Cost Proposal. In the event, COUNTY determines that changed work from that specified in the approved Cost Proposal and contract is required; the actual costs reimbursable by COUNTY may be adjusted by contract amendment to accommodate the changed work. The maximum total cost as specified in Paragraph "I," shall not be exceeded unless authorized by contract amendment.

E. Reimbursement for transportation and subsistence costs shall not exceed the rates specified in the approved Cost Proposal.

F. When milestone cost estimates are included in the approved Cost Proposal, CONTRACTOR shall obtain prior written approval for a revised milestone cost estimate from the Contract Administrator before exceeding such cost estimate.

G. Progress payments will be made monthly in arrears based on services provided and allowable incurred costs. If CONTRACTOR fails to submit the required deliverable items according to the schedule set forth in the Statement of Work, COUNTY shall have the right to delay payment or terminate this Contract in accordance with the provisions of Section 28, Termination.

H. No payment will be made prior to approval of any work, nor for any work performed prior to approval of this contract.

I. CONTRACTOR will be reimbursed, as promptly as fiscal procedures will permit upon receipt by COUNTY's Contract Administrator of itemized invoices. Invoices shall be submitted no later than 45 calendar days after the performance of work for which CONTRACTOR is billing. Invoices shall detail the work performed on each

milestone and each project as applicable. Invoices shall follow the format stipulated for the approved Cost Proposal and shall reference this contract number and project title. Final invoice must contain the final cost and all credits due COUNTY including any equipment purchased under the provisions of Section 11 Equipment Purchase of this contract. The final invoice should be submitted within 60 calendar days after completion of CONTRACTOR's work. Invoices shall be mailed to COUNTY's Contract Administrator at the following address:

Philip Gaston, Public Works Transportation, 620 West Foster Rd. Santa Maria, CA, 93455

J. The total amount payable by shall not exceed \$409,361.

K. For personnel subject to prevailing wage rates as described in the California Labor Code, all salary increases, which are the direct result of changes in the prevailing wage rates are reimbursable.

L. All subcontracts shall contain the above provisions.

EXHIBIT C

Indemnification and Insurance Requirements (For Professional Contracts)

INDEMNIFICATION

CONTRACTOR agrees to indemnify, defend (with counsel reasonably approved by COUNTY) and hold harmless COUNTY and its officers, officials, employees, agents and volunteers from and against any and all claims, actions, losses, damages, judgments and/or liabilities arising out of this Agreement from any cause whatsoever, including the acts, errors or omissions of any person or entity and for any costs or expenses (including but not limited to attorneys' fees) incurred by COUNTY on account of any claim except where such indemnification is prohibited by law. CONTRACTOR's indemnification obligation applies to COUNTY's active as well as passive negligence but does not apply to COUNTY's sole negligence or willful misconduct.

NOTIFICATION OF ACCIDENTS AND SURVIVAL OF INDEMNIFICATION PROVISIONS

CONTRACTOR shall notify COUNTY immediately in the event of any accident or injury arising out of or in connection with this Agreement. The indemnification provisions in this Agreement shall survive any expiration or termination of this Agreement.

INSURANCE

CONTRACTOR shall procure and maintain for the duration of this Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the CONTRACTOR, his agents, representatives, employees or subcontractors.

A. Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. **Commercial General Liability (CGL):** Insurance Services Office (ISO) Form CG 00 01 covering CGL on an "occurrence" basis, including products-completed operations, personal & advertising injury, with limits no less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate.
2. **Automobile Liability:** ISO Form Number CA 00 01 covering any auto (Code 1), or if CONTRACTOR has no owned autos, hired, (Code 8) and non-owned autos (Code 9), with limit no less than \$1,000,000 per accident for bodily injury and property damage.
3. **Workers' Compensation:** as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease.
4. **Professional Liability (Errors and Omissions)** Insurance appropriate to the CONTRACTOR'S profession, with limit of no less than \$1,000,000 per occurrence or claim, \$2,000,000 aggregate.

If the CONTRACTOR maintains higher limits than the minimums shown above, the COUNTY requires and shall be entitled to coverage for the higher limits maintained by

the CONTRACTOR. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the COUNTY.

B. Other Insurance Provisions

The insurance policies are to contain, or be endorsed to contain, the following provisions:

1. **Additional Insured** – COUNTY, its officers, officials, employees, agents and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the CONTRACTOR including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the CONTRACTOR's insurance at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 and CG 20 37 if a later edition is used).
2. **Primary Coverage** – For any claims related to this Agreement, the CONTRACTOR's insurance coverage shall be primary insurance as respects the COUNTY, its officers, officials, employees, agents and volunteers. Any insurance or self-insurance maintained by the COUNTY, its officers, officials, employees, agents or volunteers shall be excess of the CONTRACTOR's insurance and shall not contribute with it.
3. **Notice of Cancellation** – Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the COUNTY.
4. **Waiver of Subrogation Rights** – CONTRACTOR hereby grants to COUNTY a waiver of any right to subrogation which any insurer of said CONTRACTOR may acquire against the COUNTY by virtue of the payment of any loss under such insurance. CONTRACTOR agrees to obtain any endorsement that may be necessary to effect this waiver of subrogation, but this provision applies regardless of whether or not the COUNTY has received a waiver of subrogation endorsement from the insurer.
5. **Deductibles and Self-Insured Retention** – Any deductibles or self-insured retentions must be declared to and approved by the COUNTY. The COUNTY may require the CONTRACTOR to purchase coverage with a lower deductible or retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention.
6. **Acceptability of Insurers** – Unless otherwise approved by Risk Management, insurance shall be written by insurers authorized to do business in the State of California and with a minimum A.M. Best's Insurance Guide rating of "A- VII".
7. **Verification of Coverage** – CONTRACTOR shall furnish the COUNTY with proof of insurance, original certificates and amendatory endorsements as required by this Agreement. The proof of insurance, certificates and endorsements are to be received and approved by the COUNTY before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the CONTRACTOR's obligation to provide them. The CONTRACTOR shall furnish evidence of renewal of coverage throughout the term of the Agreement. The COUNTY reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.

8. **Failure to Procure Coverage** – In the event that any policy of insurance required under this Agreement does not comply with the requirements, is not procured, or is canceled and not replaced, COUNTY has the right but not the obligation or duty to terminate the Agreement. Maintenance of required insurance coverage is a material element of the Agreement and failure to maintain or renew such coverage or to provide evidence of renewal may be treated by COUNTY as a material breach of contract.
9. **Subcontractors** – CONTRACTOR shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and CONTRACTOR shall ensure that COUNTY is an additional insured on insurance required from subcontractors.
10. **Claims Made Policies** – If any of the required policies provide coverage on a claims-made basis:
 - i. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
 - ii. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of contract work.
 - iii. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, the CONTRACTOR must purchase “extended reporting” coverage for a minimum of five (5) years after completion of contract work.
11. **Special Risks or Circumstances** – COUNTY reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

Any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this Agreement. CONTRACTOR agrees to execute any such amendment within thirty (30) days of receipt.

Any failure, actual or alleged, on the part of COUNTY to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of COUNTY.

Material Testing Services - FLORADALE AVE.
BR. NO. 51C-0370
FEDERAL PROJECT NO. BRLSZD-5951(060)
COUNTY PROJECT #862032
EXHIBIT A, ATTACHMENT #1

PROPOSAL for

MATERIALS TESTING SERVICES

**Floradale Ave Bridge No. 51C-0370
Over Santa Ynez River
0.75 Miles North Of Central Avenue, West of the City of Lompoc
in the Third Supervisorial District**

February 5, 2021



Submitted To:



SANTA BARBARA COUNTY PUBLIC WORKS
620 Foster Road
Santa Maria, CA 93455
Attention: Phil Gaston

Submitted By:

NV5 WEST, INC.
1868 Palma Dr., Ste. A
Ventura, CA 93003
805.656.6074

N | V | 5



February 5, 2021

SANTA BARBARA COUNTY PUBLIC WORKS

620 West Foster Road
Santa Maria, CA 93455

Proposal No. 2021.06.0021

Attention: Phil Gaston

Subject: Proposal for Material Testing for the Floradale Ave Bridge No. 51C-0370 Over Santa Ynez River 0.75 Miles North of Central Avenue, West of the City of Lompoc in the Third Supervisorial District

NV5 submits this PROPOSAL in response to the Request for Proposals for Material Testing for the Floradale Ave Bridge No. 51C-0370 Over Santa Ynez River 0.75 Miles North Of Central Avenue, issued by Santa Barbara County Public Works (“County”). Enclosed are the following:

- a. Transmittal Letter
- b. Experience Narrative
- c. Staff Available for Assignment
- d. Proof of Ability to Perform Tests Required
- e. Financial Capacity Narrative

NV5 represents and warrants that it has read the RFP and agrees to abide by the contents and terms of the RFP and the PROPOSAL. NV5 understands that the County is not bound to pre-qualify any contractor and may reject each PROPOSAL the County may receive. NV5 further understands that all costs and expenses incurred by it in preparing this PROPOSAL will be borne solely by NV5. NV5 agrees that County will not be responsible for any errors, omissions, inaccuracies, or incomplete statements in this PROPOSAL. This PROPOSAL shall be governed by and construed according to the laws of the State of California.

COMPANY INFORMATION

Legal Name: NV5 West, Inc. (founded locally as BTC Labs – 1959)
A subsidiary of NV5, Inc., incorp: DE – 12/23/2009
DUNS #962003054; DIR Registration #1000008663

Local Office: 1868 Palma Drive, Ste. A, Ventura, CA 93003

NV5 HQ: Hollywood , Fl, with 100+ offices nationwide

Point of Contact: Scott Moors, PG, CEG, CHg – Vice President
Phone: 805.656.6074; Cell: 805.290.5194
email: scott.moors@NV5.com

Employees: 25 employees in Ventura
NV5: 450+ employees in CA; 4,000+ USA



NV5 West, Inc. is pleased to present this proposal summarizing NV5’s qualifications and experience providing materials testing services on Pavement rehabilitation projects. This proposal is submitted in response to Santa Barbara’s Request for Qualifications.

NV5 brings a uniquely well-qualified team of experienced geotechnical and construction quality assurance professionals and supporting quality management systems to provide whatever services the County may require. Our team brings unique qualifications to Santa Barbara County, including:

- Unrivaled local and regional expertise. **ENR ranked NV5 as #27** of the Top 500 US Design firms in 2020 (with over 400 employees in California and over 4000 worldwide).
- **Responsive and Proactive Construction Quality Assurance Team.** NV5 is committed to providing test results and service requests in a timely manner in accordance with the County of Santa Barbara's reporting timeframes. NV5 realizes that responsive Construction Quality Assurance (CQA) services are essential to successful project execution and management. NV5 has a dynamic multi-tiered dispatch system that will be available to the County of Santa Barbara including off hour contact numbers for the NV5 project management team. NV5 will endeavor to fulfill last minute and emergency service and testing requests to support the project schedule and Construction Management Team.
- **Large, experienced staff dedicated** to your project. Herein, we present our experienced project team who will be dedicated to the County's project.
- NV5 is excited to announce the addition of **Ed Sullivan, Construction Services Manager**, to our staff. Ed brings 32 years of professional construction materials testing experience including extensive experience working on County of Santa Barbara and Caltrans infrastructure construction projects. Ed is well known for his dedication to customer service and professional excellence. Ed will serve as **Project Manager** for this project.
- **The Largest and Most Capable Testing Lab in the Tri-Counties;** certified by Caltrans (IA), CCRL, ARML, DSA, OSHPD, Corps of Engineers, and AASHTO (R-18).
- **Extensive Public Works and Bridge Experience** with similar projects in the past 3 years utilizing **Caltrans-Certified** laboratory & staff.
- **Accountability:** Our close proximity, local staff, competitive fees, and effective quality systems ensure the District the most cost-effective quality assurance program.

NV5 appreciates this opportunity to present our qualifications and we are excited to continue working with the County on your upcoming projects.

Respectfully Submitted,
NV5 West, Inc.


Scott Moors, PG, CEG, CHG
Vice President


Ed Sullivan
Construction Services Manager

B. EXPERIENCE NARRATIVE

NV5 specializes in geotechnical, inspection, and testing services for bridge and infrastructure improvement projects for local agencies and we've successfully completed thousands of projects throughout California. Selected local projects are listed below, followed by more detailed summaries of recent projects.

BRIDGE PROJECT EXPERIENCE DASHBOARD

Project Name, Location	Year	Construct Value	Geotech	Material Testing	Inspection
Bakersfield Beltway System Improvements, Bakersfield	2017+	\$ 81 M		X	X
Goleta Beach Bridge Replacement, Goleta Beach	2016+	\$ 40 M	X		
Mitchell Rd / SR99 Interchange (6 bridges), Ceres	2016+	\$105 M		X	X
Campus Parkway (Segment 2 and 3), Bakersfield	2018-21	\$100 M		X	X
Ashley Road Bridge Replacement, Montecito	2019	\$1.1 M		X	
Montecito Street Bridge Replacement, Santa Barbara	2018	\$ 5.2 M		X	

CAMPUS PARKWAY (SEGMENT 2 AND 3)

Client: Merced County Department of Public Works

Location: Campus Parkway, Between SR 99 and SR 140, Merced, CA

Services: Construction Materials Testing, Source Inspection

NV5's Key Staff: Project Manager: John Atkinson, Laboratory Manager: Michelle Holub

Comments: Federally Funded



NV5 is currently providing materials testing, source inspection and special inspections during construction of segment 2 and 3. The Campus Parkway is planned to be a 4-lane expressway connecting UC Merced, City of Merced, State Route 99 and State Route 140. In addition to materials testing of soils, aggregates and hot mix asphalt, NV5 provided source inspection services. Source inspections were completed for lights, light poles, prestressed tendons and anchor bolts. In order to facilitate source inspections at distant locations such as Tulsa, Oklahoma NV5 partnered with qualified firms local to the area allowing us to minimize the impacts to the Merced Counties budget for source inspections.

BAKERSFIELD BELTWAY SYSTEM IMPROVEMENTS

Client: City of Bakersfield, Thomas Roads Improvement Program

Location: SR 58 corridor east of SR 99 to Cottonwood Road and at the SR 99/Ming Avenue interchange, Bakersfield, CA

Services: Construction Management, Construction Materials Testing, Source Inspection

NV5's Staff: Project Manager: Scott Moors; Field Staff: Jesse Williams, Ryan DeVault, Clintwood Robancho, Adam Blackwell, Neale Brown, Jason Ruiz

Contact: Gilbert Vega, 661-326-3459

NV5 is providing construction management, source inspection and materials testing services for this \$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. This project consists of operational improvements to interchange ramps and the construction of auxiliary lanes, retaining

walls, and sound walls. NV5 services includes pavement inspection, asphalt batch plant inspection, field density testing, core sampling, laboratory testing, concrete sampling and testing including cylinders for structural concrete and flexural strength beams for roadway, concrete aggregate testing to support structural concrete testing, superpave HMA performance and compliance testing, compacted native soils, engineered fill, aggregate base, grout, and masonry testing per project and Caltrans requirements.

ASHLEY ROAD BRIDGE REPLACEMENT

Client: County of Santa Barbara, Dept. of Public Works
Location: Ashley Road, Montecito, CA
Services: Pile Inspection, Construction Materials Testing, Batch Plant Inspection, Source Inspection
NV5's Staff: Project Manager: Scott Moors, CEG;
Engineer: Shaun Simon, PE; Field Staff: Joe Aspuria, Matt Habberfield, Ken Cleveland, Eric Clark, Jeff Betus,
Contact: Phil Gaston, PE, 805-803-8776, pgaston@cosbpw.net
Comments: Federally Funded



NV5 provided material sampling, and field and laboratory materials testing services including trial batch sampling and testing, batch plant inspection, pile observation/inspection, welding inspection, source inspection (fusion welded hoops, mechanical couplers). NV5 provided acceptance testing in conformance with the County's QAP using Caltrans-certified technicians and testing in our Caltrans-certified laboratory.

MONTECITO STREET BRIDGE REPLACEMENT

Client: City of Santa Barbara, Dept. of Public Works
Location: Montecito Street at Yanonali St., Santa Barbara, CA
Services: Pile Inspection, Construction Materials Testing, Batch Plant Inspection, Source Inspection, Gamma-Gamma & Cross-hole Sonic Testing
NV5's Staff: Project Manager: Scott Moors, CEG;
Engineer: Shaun Simon, PE; Field Staff: Joe Aspuria, Matt Habberfield, Ken Cleveland, Eric Clark, Jeff Betus, Jim Sun
Contact: Ken Young, PE, 805-560-7568, KYoung@SantaBarbaraCA.gov
Comments: Federally Funded



NV5 provided material sampling, and field and laboratory materials testing services including trial batch sampling & testing, batch plant inspection, pile observation/inspection, welding inspection, source inspection (fusion welded hoops, mechanical couplers). NV5 provided acceptance testing in conformance with the City's QAP using Caltrans-certified technicians and testing in our Caltrans-certified laboratory.

C. STAFF AVAILABLE FOR ASSIGNMENT

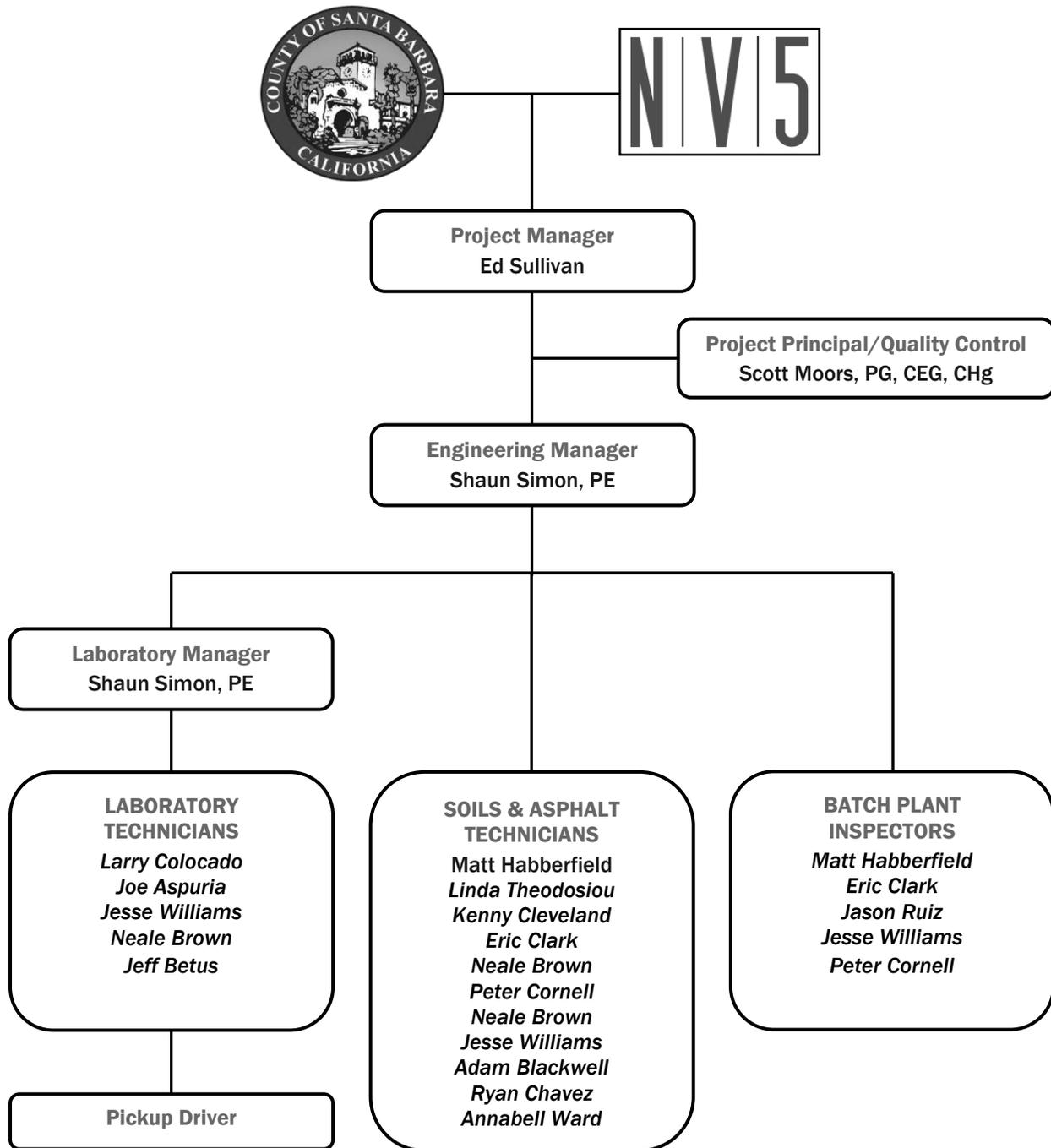
KEY PERSONNEL

Our experienced project team is presented in our Project Organization Chart with synopses of our proposed Program Manager, Engineering Manager, and Senior Technician provided below and **resumes** for key staff included in **Attachment A**. An Organization Chart shows the available Key Staff as well as additional staff that can be made available as needed.

- **Scott Moors**, PG, CEG, CHg, is NV5's **Vice President** and will be the **Program/Quality Control Manager** for the project. Mr. Moors is an experienced expert in geotechnical consulting, pavement engineering, concrete materials, construction inspection and testing, and asphalt pavements with over 30-years of experience in California. Mr. Moors has been the Project Manager for dozens of similar pavement rehabilitation projects for agencies including: Ventura and Santa Barbara counties, Santa Barbara (city), Ventura, Oxnard, Thousand Oaks, Simi Valley, Moorpark, Santa Paula, Fillmore, 11 other cities, & 23 local school districts.
- **Ed Sullivan**, is NV5's **Construction Services Manager** and will be the **Project Manger** for this project. Mr. Sullivan has more than 32 years of experience providing Construction Materials Testing Services in California and has managed numerous bridge construction projects in Santa Barbara County. Mr. Sullivan will be the primary contact for the project and will be available to the Construction Management Team on a daily basis and after hours for last minute service requests and technical support. The NV5 CQA team is committed to meeting the County of Santa Barbara's timelines for field and laboratory test result submission in support of the project.
- **Shaun Simon**, PE, CEG is our **Engineering Manager** with over 17 years of directly-related professional experience. Shaun provides management and technical support on geotechnical and materials engineering projects and oversees our testing laboratory. Shaun has managed dozens of geotechnical studies and scores of geotechnical and materials testing projects.
- **Matt Habberfield**, will be our **Lead Technician** for the Floradale Ave. Bridge project, with 16 years of inspection and materials testing experience. Matt has worked on numerous bridge construction and dozens of pavement construction and rehabilitation projects and has been our lead inspector/technician on similar projects. Matt is an excellent communicator and is perfectly suited to serve as the primary technician the County's new bridge project. He has a reputation for high quality work while maintaining positive working relationships with sometimes difficult contractors. Matt is organized, conscientious, and energetic and will proactively work to ensure a well-coordinated and successful project for the County.

NV5 is fully staffed, equipped, and certified to perform virtually all anticipated testing services. We do not anticipate subcontracting any professional services.

PROJECT ORGANIZATION CHART



Dedicated Key Project Staff – in red
 Supplementary Staff Available to your project – in *italic*

NV5 makes every effort to **Cross Train** our staff in multiple disciplines, **Adding Value** to our client's projects. Some staff are listed in more than one spot, but only where **Fully Qualified**.

D. PROOF OF ABILITY TO PERFORM TESTS REQUIRED

NV5 MATERIALS LABORATORY CERTIFICATIONS

NV5's Ventura materials laboratory is unrivaled in the region for our objectively measured certifications by national accreditation bodies including Caltrans, AASHTO, USACE, CCRL, AMRL, DSA, and OSHPD. The following pages summarize NV5 extensive construction materials testing capabilities, including NV5 laboratory qualifications with other labs in Santa Barbara and Ventura counties. Copies of **lab certifications** records are provided in **Attachment B**.

SUB-CONSULTANTS

NV5 is fully staffed and equipped to provide virtually all anticipated services. Select, specialized services will be subcontracted to our familiar and experienced team partners.

- *Mechanical Splices/Welded Hoops: Sequoia Consultants, 361 W. Grove Avenue, Orange, CA; **Sequoia** is Caltrans accepted for acceptance testing Mechanical Splices and Welded Hoops.*

KNOWLEDGE OF CALTRANS AND ASTM PROCEDURES

As one of the leading Caltrans-certified testing labs in the region, currently working on several of the largest Caltrans local oversight public works projects in California, NV5 offers extensive expertise in Caltrans Test Methods, Caltrans Standard Specifications, and Caltrans construction procedures. Our technical staff are routinely certified in Caltrans Test Methods for material sampling, soils, aggregate, asphalt, and concrete.

Our expertise in ASTM and AASHTO testing methods and procedures is unrivaled in the state of California. Drawing upon over 50-years of corporate experience with public works, educational, hospital and private construction, we maintain some of the most qualified and extensively certified testing labs in California. Our library maintains subscriptions to 1,000's of current ASTM and AASHTO reference standards.

NV5 QUALITY ASSURANCE PROGRAM (QAP)

As a Caltrans, AASHTO, and CCRL-certified laboratory, NV5 maintains a **comprehensive Quality Assurance Program** encompassing all our field, laboratory, and office activities. Our QAP encompasses training and, organizational responsibilities from management to technician, safety, certification of technical staff, equipment calibration and maintenance, best practices and standard operating procedures, document control, report review and quality control, proficiency sample programs, professional decorum and appearance, and professional ethics.

PARTICIPATION IN REFERENCE SAMPLE PROGRAMS

NV5 actively participates in Caltrans, AMRL and CCRL Reference Sample and Proficiency Sample Programs to ensure that test methods and results are accurate and repeatable. Our Ventura Lab is enrolled in the following Proficiency Sample Programs:

- CALTRANS Annual RSP
- AMRL – Fine Aggregate
- AMRL – Soil Classification & Compaction
- AMRL – Aggregate – R-Value
- CCRL – Masonry Units
- AMRL – Coarse Aggregate
- AMRL – Hot Mix Asphalt Ignition Oven
- AMRL – Hot Mix Asphalt Solvent Extraction
- CCRL – Concrete
- CCRL – Reinforcing Steel

NV5 SAFETY

NV5 maintains a comprehensive safety policy for all of our field, laboratory, travel, and office work practices. Our company Safety Manual and safety records are available for review upon request.

Our field staff are provisioned with company-provided personal protective equipment including mandatory hard hats, safety glasses, hearing protection and high-visibility safety vests. Safety harnesses, lanyards, air monitoring equipment, radiation monitoring badges and other equipment are provided as appropriate. NV5 conducts regular safety meetings for both field and laboratory personnel.

NV5 also provides periodic formal safety training courses including CFR Title 49 §170-189 Nuclear Gauge Radiation Safety, OSHA Confined Space Entry, OSHA Trench Safety, and Hazardous Waste Operations (HAZWOPER).

“The safety and health of every employee is our highest priority. While NV5 deploys staff to potentially hazardous construction sites, management embraces the responsibility for providing a safe working environment and employees are expected and required to take responsibility for performing work in accordance with safe standards and practices. Success will only be achieved through teamwork and a universal commitment to promoting safety and taking every reasonable measure to assure safe working conditions.”

*Scott Moors
Vice President – NV5 West
From NV5 Safety Manual*

KNOWLEDGE OF CONSTRUCTION PRACTICES FOR PUBLIC WORKS

NV5 West’s primary business line is providing geotechnical consulting and construction quality assurance services for public works construction projects. We work for State, regional, and local agencies on projects from freeways to water resources and from local roads to low-impact development. NV5 provides experienced public works inspectors, construction engineering support, special inspection services, and materials engineering and testing services for dozens of Public Works agencies throughout the State. Our broad and deep knowledge of public works procedures, best practices, building codes and standard specifications, combined with our local expertise, empowers NV5 as an invaluable resource for agencies managing routine or complex construction projects.

DBE PARTICIPATION

For this project NV5 has committed to a 3% participation goal with our Laboratory Subconsultant Sequoia Consultants, Orange, CA. DBE number 35308. **Exhibit 10-01** Consultant Proposal DBE Commitment form is included in **Attachment D**.

E. COST PROPOSAL AND FINANCIAL CAPACITY

COST PROPOSAL

NV5's **Cost Proposal** is presented in **Attachment C**. Our proposal was prepared in conformance with the testing quantities provided in the RFP and with unit rates for appropriate personnel classifications and tests.

FINANCIAL CAPACITY

NV5 was ranked by Engineering News Record (ENR) as #27 of the top 500 Engineering Design Firms in 2020 and was Zweig Group's #1 Hot Firm in for 4 consecutive years 2016-2020. We are publicly listed on the NASDAQ (NVEE) with revenues for approximately \$600M in 2020. We have ample cash flow to maintain all current and anticipated operations.

INSURANCE

NV5 will meet all County insurance requirements. A current insurance certificate is on file with the County and our standard coverages are listed below.

General Liability:	Each Occurrence: \$ 1 M	Professional Liability:	Each Claim: \$ 10 M
	General Aggregate: \$ 2 M		Aggregate: \$ 20 M
Automobile Liability:	\$ 1 M	Workers Compensation:	\$ 1 M
Umbrella Liability:	\$ 20 M		





ATTACHMENT A
STAFF RESUMES

Ed Sullivan

Construction Services Manager

NV5 WEST, INC. | CQA
 Ventura, CA
 805.656.6074

Mr. Sullivan has 32 years of experience in geotechnical and materials inspection and testing. He has provided and been responsible for geotechnical inspection of large grading operations, soldier pile walls, over-land and nearshore pipeline construction, horizontal and subdrain installations, drilled pier foundations, reinforced earth walls, roadway, and bridge construction, firewater/process piping construction, hydrotesting, and blast monitoring and observation. Additionally, Mr. Sullivan has managed several bridge projects within the City and County of Santa Barbara.

EDUCATION

A.A. Geology, College of the Redwoods

Geology Coursework, Humboldt State University

EXPERIENCE

32 years

AFFILIATIONS:

American Public Works Association

Coast Geological Society

Project Experience

PUBLIC INFRASTRUCTURE CONSTRUCTION PROJECTS

PROJECT MANAGER | SANTA BARBARA, LOS ANGELES & KERN COUNTIES, CA

Project Manager responsible for construction inspection and construction materials engineering and testing contracts for numerous road, highway, bridge, waterworks, energy, and utility construction projects for local public works agency in Ventura, Santa Barbara, Los Angeles and Kern Counties.

SANTA BARBARA CITY AND COUNTY BRIDGE PROJECTS

PROJECT MANAGER | SANTA BARBARA CITY & SANTA BARBARA COUNTY, CA

Provided construction materials testing and source inspection services during the construction of 11 bridges within the City and County of Santa Barbara. Bridge projects included De La Guerra St. Bridge, Mason St. Bridge, Cabrillo Blvd. Bridge, Haley St. Bridge, Quinientos St. Bridge, Chapala St. Bridge, Jamala Rd. Bridge, Jonata Park Rd. Bridge, and Kinevan Rd. Bridge. Fugro staff performed construction materials testing per the County and City of Santa Barbara's Quality Assurance Program (QAP) on an as-needed basis during the construction of the bridges. Materials tests consisted of structure backfill, soil subgrade, aggregate base, Portland Cement Concrete (PCC), aggregates used for PCC production, reinforcing steel used for CIDH construction and Polyester Polymer Concrete overlay. Fugro staff sampled aggregates and performed plant inspection during PCC production. Initial laboratory testing was performed on Hot Mix Asphalt (HMA) materials as directed by county staff. Source inspection was performed on reinforcing steel for CIDH construction.

CALTRANS DISTRICT 5, ON-CALL CONSTRUCTION INSPECTION AND CONSTRUCTION ENGINEERING SERVICES

PROJECT MANAGER | SOUTHWESTERN CALIFORNIA

Provided management, oversight, review, and technician supervision/management for Fugro's services on task orders in District 5 under a subcontract with Vali Cooper.

CALTRANS DISTRICT 7, MATERIALS TESTING AND PLANT INSPECTION SERVICES

PROJECT MANAGER | SOUTHERN CALIFORNIA

Provided management, oversight, review, and technician supervision/management for Fugro's services, including task orders. Projects included SR 14, SR 23, SR 33, SR 60, SR 91, SR 118, SR 134, SR 138, SR 150, SR 210, SR 605, SR 710, SR 405, I-5, I-10, US 101, and the Schuyler Heim Bridge.

SCRUB SEAL COUNTY-WIDE PREVENTATIVE MAINTENANCE APPLICATION OF SCRUB SEAL AND MICRO-SURFACING

PROJECT MANAGER | SANTA BARBARA COUNTY, CA

Led construction materials laboratory testing effort for 1,145 SY of Fog Seal Coat, 13,270 SY of Scrub Seal, 206,660 SY of Micro-Surfacing Type 2, and 82,320 SY of Micro-Surfacing Type 3 during a 45-day schedule. Specific tasks involved field and laboratory testing of scrub seal and micro-surfacing materials; review and approval of the mix design; observation of the spread rate calibration of the Contractor's equipment; initial and weekly laboratory testing; vialit testing, aggregate and emulsion sampling and other testing as directed by County staff. Field reports summarizing the results of all field and laboratory testing. A final report detailing construction activities were provided to the County at the conclusion of the project.

CALLEGUAS MUNICIPAL WATER DISTRICT

PROJECT MANAGER | EAST VENTURA COUNTY, CA

Project manager responsible for construction inspection/consultation and materials testing for approximately 30 miles of pipeline within the Calleguas MWD service area. Projects included Simi Valley Recycled Water System project, Las Posas Basin Aquifer Storage and Recovery (ASR) project, Lake Bard Plant Expansion and Oxygenation project, Regional Salinity Control project, several concrete and steel reservoirs, and various operation improvement projects.

CALLEGUAS MUNICIPAL WATER DISTRICT, SALINITY MANAGEMENT PIPELINE

PROJECT MANAGER | CAMARILLO, CA

Project Manager responsible for materials testing services for pipeline backfill and structures, and geotechnical input regarding HDD crossings for Phase 1 of the Brineline project. This 7-mile long, 60-inch diameter high-density polyethylene (HDPE) pipeline extends from near Camarillo to an ocean outfall offshore from Oxnard. The purpose of the pipeline was to convey poor quality surface and groundwater (primarily high total dissolved solids and CC Pavement Panel Replacement conformed to the contract requirements. Mr. Sullivan supervised the quality control technicians responsible for the inspection.

EXXON SANTA YNEZ UNIT EXPANSION PROJECT

COSTRUCTION MANAGER | SANTA BARBARA COUNTY, CA

During Mr. Sullivan's 6-year tenure with the project, he was involved with site/facilities development through start-up and commissioning operations. He performed construction coordination, technical and environmental inspection duties for seven groundwater exploration and development drilling operations in Las Flores and Corral Canyons.

D. SCOTT MOORS, PG, CEG, CHg

Vice President – NV5 West, Inc. / Principal Geologist

Twenty-eight year, wide-ranging career dedicated to upholding the highest standards of technical quality and client service. Experienced, multi-disciplinary business and project manager with notable expertise in geotechnical engineering, construction quality assurance, materials testing, seismic hazard evaluation, geotechnical review, landslide studies, groundwater studies, pavement evaluation, and environmental remediation. Veteran public speaker at proposal presentations, association meetings, agency hearings, & litigation testimony.

Mr. Moors a Vice President of NV5 West, Inc. and is in managerial charge of NV5's Ventura and Bakersfield operations. In addition to Mr. Moors' management expertise he has twenty-five years' of technical expertise in municipal consulting, project management, and engineering and environmental geology.

Mr. Moors has overseen construction inspection & materials testing of multi-story buildings, over a dozen highway bridges, >1M tons of asphalt pavements and has presented short courses on Pavement Maintenance & Rehabilitation for APWA.

Experience Summary

PUBLIC INFRASTRUCTURE CONSTRUCTION PROJECTS:

Principal-in-Charge of construction inspection and construction materials engineering and testing contracts for hundreds of road, highway, bridge, waterworks, energy, and utility construction projects for virtually every local public works agency in Ventura, Santa Barbara, Los Angeles, and Kern counties. Combined construction value exceeds \$1B.

PAVEMENT REHABILITATION PROJECTS:

Principal-in-Charge of design, construction inspection, and materials testing contracts for hundreds of pavement rehabilitation projects including over 1M tn of HMA, 1M SY slurry/micro, Cold In-Place Recycling, Cold Plant Recycling, Cape Seal, TMO, ARAM, ARHM Overlay, Full-Depth Reclamation, Warm Mix HMA and virtually every pavement rehab technique.

GEOTECHNICAL PROJECTS:

Principal-in-Charge and principal investigator on hundreds of geotechnical studies for landslides (Big Rock Mesa, Portuguese Bend, ++), earthquake faults (Simi-Santa Rosa, Springville, Malibu Coast, Mission Ridge, Hollywood), <12 Caltrans freeway bridges, foundations studies, groundwater studies, municipal report review, emergency response.

HIGHER EDUCATION / COMMUNITY COLLEGE CONSTRUCTION PROJECTS:

Principal-in-Charge of construction inspection and testing contracts for UCSB, CSUCI, Los Angeles Community College District, and Ventura County Community College District for numerous projects totaling over \$500M in construction value.

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Ventura, CA
805.656.6074

CATEGORIES

Geotechnical
Materials Testing
Pavement Evaluation
Construction Inspection
Forensics

EDUCATION

B.S., Geological Sciences, UCSB,
CA

EXPERIENCE

28 years

REGISTRATIONS

Professional Geologist #6100
Certified Engineering Geologist
#1901
Certified Hydrogeologist #607

AFFILIATIONS

American Concrete Institute
American Society of Civil
Engineers
Association of Environmental &
Engineering Geologists
American Public Works
Association
California Asphalt Pavement
Association
California Council of Testing and
Inspection Agencies

PERMEABLE PAVEMENT PROJECTS:

Principal-in-Charge of construction inspection and construction materials testing contracts for numerous permeable pavement projects including permeable pavers, cast-in-place permeable concrete, precast permeable concrete panels, and permeable asphalt pavements.

DSA K-12 SCHOOL CONSTRUCTION PROJECTS:

Principal-in-Charge of construction inspection and construction materials engineering and testing contracts for hundreds of projects for over two dozen school districts including Los Angeles Unified School District and virtually every school district in Ventura and Santa Barbara counties. Combined construction value exceeds \$800M.

Project Experience

MUNICIPAL GEOTECHNICAL REVIEWER – 12 CITIES

MUNICIPAL REVIEW | 12+ CITIES AND COUNTIES – SO. CAL.

Principal Geologist – Geotechnical Reviewer for cities of Simi Valley, Malibu, Santa Monica, Agoura Hills, Moorpark, Santa Clarita, Calabasas, Oxnard, Hidden Hills, Thousand Oaks, Ventura County, Santa Barbara County. Authored Geotechnical Review Guidelines for multiple cities.

RIVERPARK GEOTECHNICAL & SMARA REVIEWER

GEOTECHNICAL - MUNICIPAL REVIEW | OXNARD, CA

Project Manager – Lead technical reviewer of the geotechnical reports and SMARA Reclamation for the Riverpark development in Oxnard, California. 2002 - present

MITCHELL ROAD INTERCHANGE IMPROVEMENTS

GEOTECHNICAL | CERES, CA

Project Manager – Planned and managed geotechnical studies for locally funded, Caltrans-oversight interchange improvements on SR 99. Project included replacement of Service Rd Overcrossing on SR 99 with innovative diverging diamond interchange. Geotechnical investigations included 60 borings and CPTs for 6 bridges and 5,000 LF retaining walls.

MORRO BAY WASTEWATER TREATMENT PLANT

CONCRETE EVALUATION | PASADENA, CA

Project Principal / Project Manager for non-destructive field testing and sampling concrete from various elements of the plant. Field testing included Ground Penetrating Radar, Schmidt Hammer testing, and chipping hammer survey. Lab testing included compression testing and petrographic examination per ASTM C856.

SYCAMORE CYN DAM MODIFICATION

GEOTECHNICAL - EARTH FILL DAM | SIMI VALLEY, CA

Project Manager and Principal Geologist for geotechnical evaluation of proposed spillway modifications. Also evaluated ASR-affected concrete through petrographic examination.

BIG TIJUNGA DAM ABUTMENT STABILITY EVALUATION

GEOTECHNICAL – CONCRETE DAM | LOS ANGELES COUNTY, CA

Project Manager and Principal Geologist for rock-slope stability evaluation of the left abutment of California's 7th largest concrete-arch dam. Provided detailed geologic assessment using rope-access mapping techniques and probabilistic static and seismic slope stability evaluations.

WOOLEY DRAIN CRACK SEAL EVALUATION

CONCRETE EVALUATION | OXNARD, CA

Project Principal / Project Manager for forensic investigation to quantify the extent of penetration of pressurized crack seal injection previously completed by contractor. Field sampling included sampling concrete cores in confined space entry conditions. Laboratory analysis included stereo microscopic examination of bisected core samples to determine the percentage of sealant penetration.

ROSE BOWL CONCRETE EVALUATION & RENOVATION

CONCRETE EVALUATION | PASADENA, CA

Project Principal – Project Manager and Project Principal for multi-faceted sampling and evaluation of concrete structural elements for renovation of the Rosa Bowl stadium in Pasadena. Mr. Moors scoped, planned and oversaw execution of concrete core sampling and testing and in a subsequent phase renovation design and preparation of plans and specifications for concrete rehabilitation work in the historic Rose Bowl Stadium. 2008 - 2011

WESTSIDE PARKWAY FREEWAY CONSTRUCTION

CONSTRUCTION MATERIALS TESTING | BAKERSFIELD, CA

Project Manager for Construction Materials Engineering and Testing services for the \$125M Westside Parkway freeway construction project. Construction included 6.4-miles of Jointed Plain Concrete Pavement (~37 lane miles), ten bridges including two bridges over the Kern River, 6 full interchanges, sound walls and numerous appurtenant structures and facilities. All testing was performed in conformance with Caltrans requirements. Turn-around time for production testing reports averaged 24 hours. Provided management and technical oversight of all materials testing and inspections work.

SHAUN B. SIMON, PE, PG, CEG, QSD, QSP Engineering Manager

Shaun Simon has over 19 years in the geotechnical, construction materials testing and inspection industry. Mr. Simon is licensed in California as a PE and CEG with extensive experience in geotechnical consulting, and inspection and construction observation and materials testing of private and public construction projects. Mr. Simon has extensive experience in field and laboratory testing of soil, rock, and construction materials including aggregate base, asphaltic concrete materials and pavement surfacing materials, concrete, and steel used in projects for Public Works projects, Caltrans, DSA school projects, OSHPD Hospital projects, and private development projects in Moorpark, Oxnard, Santa Barbara, Ventura, Camarillo, Thousand Oaks, Bakersfield, Visalia, and unincorporated areas of Los Angeles, Ventura, and Santa Barbara Counties. Mr. Simon also maintains DSA LEA, Caltrans, AAP/AMRL/AASHTO, CCRL, and USACOE accreditations for the laboratory testing facilities. Mr. Simon's experience includes geotechnical exploration, design, and construction testing; stormwater infiltration testing and design, field testing of compacted fill, subgrade, base, and asphalt materials; and inspection of pavement resurfacing materials (including ARAM, ARHM, Microsurfacing, CAPE Seal, Chip Seal, and REAS); landslide/stability studies, liquefaction/seismic settlement hazards, fault hazard ground rupture studies, collapsible soils, expansive soils, building distress investigations, and FEMA levee certifications.

Project Experience

CITY OF THOUSAND OAKS – PAVEMENT RESURFACING

PAVEMENT REHABILITATION | THOUSAND OAKS, CA

Provided management of laboratory testing of construction materials used in pavement resurfacing including Asphalt Rubber Hot Mix, Microsurfacing, Cape Seal, and Asphalt Rubber Aggregate Membrane.

COUNTY OF SANTA BARBARA – GOLETA BEACH BRIDGE REPLACEMENT

PUBLIC WORKS | GOLETA, CA

Provided management of field and laboratory testing of construction materials used in construction of new bridge to replace existing bridge structure.

CITY OF OXNARD – ROSE AVENUE RESURFACING

PAVEMENT REHABILITATION | OXNARD, CA

Provided management of field and laboratory testing of construction materials used in pavement resurfacing including Asphalt Rubber Hot Mix.

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LICENSES / REGISTRATION:

Registered Civil Engineer, CA = RCE 82610

Certified Engineering Geologist, CA – CEG 2461

Professional Geologist, CA – PG 8051

Qualified SWPPP Developer

Qualified SWPPP Practitioner

CASQA Certificate 22579

EDUCATION

B.S., Civil Engineering, CSUN

B.S., Geological sciences, UCSB

EXPERIENCE

19 years

AFFILIATIONS:

Association of Engineering Geologists

American Society of Civil Engineers

American Public Works Association

Coast Geological Society

Project Experience

CAMARILLO DRAIN /CAMARILLO CONFERENCE CENTER

PUBLIC WORKS | CAMARILLO, CA

Provided management and technical direction of geotechnical design study for replacement of open channel reinforced concrete storm drain channel with two rectangular box channels to provide a contiguous area for a proposed regional conference center.

OXNARD UNIFIED SCHOOL DISTRICT – MCKINNA E.S.

GEOTECHNICAL DESIGN AND CONSTRUCTION INSPECTION AND TESTING | OXNARD, CA

Provided management of geotechnical exploration and design services including infiltration BMPs for campus reconstruction improvements in liquefaction zone. Provided management of construction inspection and testing services.

OXNARD UNIFIED SCHOOL DISTRICT – SAN MIGUEL SCHOOL

GEOTECHNICAL DESIGN AND CONSTRUCTION INSPECTION AND TESTING | OXNARD, CA

Provided management of geotechnical exploration and design services for new classroom buildings in liquefaction zone. Provided management of construction inspection and testing services.

OXNARD UNIFIED SCHOOL DISTRICT – SEABRIDGE E.S.

GEOTECHNICAL DESIGN AND CONSTRUCTION INSPECTION AND TESTING | OXNARD, CA

Provided management of geotechnical exploration and design services including infiltration BMPs for new campus in liquefaction zone.

CITY OF OXNARD – KINGSBRIDGE WAY WALL REPAIRS

GEOTECHNICAL CONSTRUCTION INSPECTION AND TESTING | OXNARD, CA

Provided management of construction inspection and testing services for grouted, pre-stressed tiebacks for marina wall improvements.

CITY OF CAMARILLO – RESERVOIR NO. 2 IMPROVEMENTS

GEOTECHNICAL CONSTRUCTION INSPECTION AND TESTING | CAMARILLO, CA

Provided construction inspection and testing services for ground anchor improvements to slope ascending above

municipal water supply reservoir. Slope had experienced surficial instability issues.

OAK PARK UNIFIED SCHOOL DISTRICT – VARIOUS CAMPUS IMPROVEMENT PROJECTS

GEOTECHNICAL DESIGN AND CONSTRUCTION INSPECTION AND TESTING SERVICES | OAK PARK, CA

Provided management of geotechnical exploration and design services for various campus improvement project including new classroom buildings at Medea Creek Middle School, Red Oak Elementary School, and Brookside Elementary School. Provided management of improvement projects including shade structure and photovoltaic shade structures at Oak Hills Elementary, Red Oak Elementary, Brookside Elementary, Medea Creek Middle School, and Oak Park High School.

VENTURA COUNTY WPD – FERRO DITCH CHANNEL

GEOTECHNICAL DESIGN AND CONSTRUCTION INSPECTION AND TESTING | VENTURA COUNTY, CA

Provided management of geotechnical exploration and design services for improvements to existing channel.

VENTURA COUNTY WPD – SANTA ROSA ROAD DEBRIS BASIN NO. 2 IMPROVEMENTS

GEOTECHNICAL DESIGN AND CONSTRUCTION INSPECTION AND TESTING | VENTURA COUNTY, CA

Provided management of geotechnical exploration and design services for improvements to existing detention basin structure and channel.

VENTURA COUNTY WPD – SESPE CREEK LEVEE IMPROVEMENTS

CONSTRUCTION INSPECTION AND TESTING | VENTURA COUNTY, CA

Provided management of construction inspection and testing services for improvements to earth fill levee embankment.

VENTURA COUNTY WPD – SANTA CLARA RIVER LEVEE IMPROVEMENTS

CONSTRUCTION INSPECTION AND TESTING | VENTURA COUNTY, CA

Provided management of construction inspection and testing services for improvements to earth fill levee embankment.

MATTHEW HABBERFIELD

Public Works Inspector / Materials Technician / Special Inspector

Mr. Habberfield has been in the construction industry for over 16 years and has provided Public Works inspection and special inspections for over 7 years. Inspections performed have ranged from Public Works Infrastructure, DSA school house, OSHPD hospital, commercial, industrial and private residential inspection.

Matt is a multi-card inspector currently holding 8 certifications. He will collaborate closely with the project IOR and QA manager and will oversee and coordinate NV5's field inspection and testing program. His versatility, personable demeanor, and excellent communications skills make him an ideal inspector for large and complex construction projects.

Project Experience

COUNTY OF VENTURA OXNARD PLAINS RESURFACING 2018

PAVEMENT REHABILITATION | COUNTY OF VENTURA, CA

Inspection and testing of 68,000 SY ARAM and 7,700 tons aramid-fiber reinforced ARHM.

NAVAL BASE VENTURA COUNTY – TAXIWAY CHARLIE REHAB

FIELD AND LABORATORY TESTING | PT. MUGU, CA

Performed laboratory and field testing of freshly mixed concrete pavement using ASTM test methods for over 600 flex beams for concrete runway pavement. Field activities included testing of temperature, slump, density, air content, and material sampling following Navy specifications. Tested cement stabilized subgrade, cement treated base, 22,000 cy of concrete and concrete aggregates

SANTA CLARITA 2015-16 ANNUAL OVERLAY & SLURRY SEAL

PAVEMENT REHABILITATION | SANTA CLARITA, CA

Mr. Habberfield served as the inspection and testing supervisor for the Slurry Seal and Pavement Recycling Overlay portion of the project, providing full-time public works inspections and testing of grinding, digout repairs, slurry placement stripping, traffic control, and sampling and testing staff. In addition to Matt's inspection and testing duties, he coordinated additional inspection and testing staff on these projects of up to 7 personnel per day.

WESTSIDE PARKWAY PHASE VI-6C – 42 LANE MILES NEW FREEWAY

HIGHWAY / FREEWAY | BAKERSFIELD, CA

Provided construction materials testing services for the Westside Parkway freeway construction project. Construction included 7.2-miles of Jointed Plain Concrete Pavement, ten bridges including two bridges over the Kern River, 6 full interchanges, 24,000 tons of Hot Mix Asphalt, sound walls and numerous appurtenant structures and facilities. All testing was performed in conformance with Caltrans requirements.

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CERTIFICATIONS:

DSA Masonry #5281

ICC Reinforced Concrete - #8029830

ICC Prestressed Concrete - #8029830

ICC Structural Masonry - #8029830

ICC Structural Steel & Bolting - #8029830

ICC Fireproofing - #8029830

ACI Concrete Field Testing Technician Grade 1 - #01192407

Nuclear Density Gauge Certified

EXPERIENCE

16 years

Project Experience

SANTA CLARITA BUS STOP IMPROVEMENTS (2014 - 2015)

PUBLIC WORKS | SANTA CLARITA, CA

Lead Materials Tester and Assistant Public Works Inspector for construction of 25 Bus Stop Pads including grinding observation and testing of subgrades and base, as required, and inspection and testing of High Stability Asphalt Concrete for bus pads.

2014 RESURFACING PROGRAM – MI 2007

PAVEMENT REHABILITATION | THOUSAND OAKS, CA

Lead Public Works Inspector for the City of Thousand Oaks on their 1,000,000+ SY pavement resurfacing project comprising Microsurfacing-over-ARAM Cape Seal, Microsurfacing, REAS Slurry Seal, and ARHM Overlay. Identified and field marked, and inspected repair of 65,000 SY of digout locations. Inspected 600,000 SY Cape Seal, 150,000 SY Microsurfacing, and 360,000 SY REAS Slurry Seal. Performed inspection and testing for ARHM Overlay; performed daily spread rate measurements and materials sampling for ARAM and microsurfacing.

2013 / 2014 APPLICATION OF SCRUB SEAL & MICRO SURFACING

PAVEMENT REHABILITATION | COUNTY OF SANTA BARBARA, CA

Performed spread rate application measurements of asphalt emulsion and aggregate during scrub-seal operations and obtained samples for testing.

2 STORY CLASSROOM BLDG. & KINDERGARTEN ADDITION – (03-11665)

DSA - SCHOOL | SANTA CLARITA, CA

Lead Masonry Inspector for the new construction of 16 classrooms in a two story, 32,000 sq ft decorative masonry building along with a one story kindergarten masonry classroom building. Duties included coordinating between the masons and other affected trades. Implementing required changes initiated by the project Architects and Engineers and verifying compliance with all contract documents. Provided material sampling of mortar, grout and concrete. Along with pull testing of bolts and concrete coring of CMU masonry block wall. Cost of construction \$6.6M. DSA Field Engineer – Michael Ciorte.

RUBEN CASTRO HUMAN SERVICES CENTER

MEDICAL FACILITY & SOCIAL SERVICES CENTER | MOORPARK, CA

Masonry Inspector for new construction of 25,000-sq ft Human Services Center.

ROSE AVENUE RESURFACING & REPAIRS

PAVEMENT REHABILITATION | OXNARD, CA

Materials Tester and Assistant Public Works Inspector for arterial pavement resurfacing project comprising 88,000 SY ARAM as a SAMI, 11,000 tons ARHM Rubberized Overlay, and 18,000 SY Type II Slurry Seal. Performed spread rate measurements for ARAM including asphalt rubber and aggregate, performed materials testing and sampling.

ROSE AVENUE / COLLINS PEDESTRIAN IMPROVEMENTS –(2014 -2015)

PUBLIC WORKS | OXNARD, CA

Materials tester for the County of Ventura street widening project. Tested soils, aggregate base, and asphalt concrete.

LAS POSAS BIKE LANES – PHASE 1

PUBLIC WORKS | CAMARILLO, CA

Performed for the County of Ventura subgrade soils, aggregate base, and 50,000 SY Microsurfacing spread rate application measurements of asphalt emulsion and aggregate during scrub-seal operations and obtained samples for testing.

SANTA PAULA HOSPITAL – MATERIALS TESTING PROGRAM – (SS-140909-56)

OSHDP - HOSPITAL | SANTA PAULA, CA

Lead inspector for seismic retrofit materials testing program along with sampling for testing.

DECKERS HEADQUARTERS WAREHOUSE PARKING LOT

PAVEMENT | GOLETA, CA

Performed spread rate application measurements of asphalt emulsion and aggregate during scrub-seal operations and obtained samples for testing.

FIRE STATION – FRASIER PARK

PUBLIC WORKS | COUNTY OF KERN, CA

Performed inspection of concrete footings, slab on grade and masonry retaining and site walls.

FIGUEROA MOUNTAIN RETAINING WALL STABILIZATION & REYES PEAK RD. & OZENA STA. PAVING

USDA FOREST SERVICE | COUNTY OF VENTURA, CA

Provided sampling of concrete for compression testing and performed air entrainment tests of concrete.

Eric A. Clark, E.I.T. Staff Engineer

Eric Clark is a Civil Engineering graduate and is certified as an Engineer-In-Training through the State of California Board of Professional Engineers, Land Surveyors, and Geologists. Mr. Clark has been involved in numerous projects and has gained experience in laboratory and field testing using ASTM and CTM test methods for soils, aggregates, asphalt, and concrete as well as experience performing a variety of inspections.

Project Experience

NAVAL BASE VENTURA COUNTY – ROOFING PROJECT

ROOF INSPECTION | PORT HUENEME & POINT MUGU, CA

Performed single and two-story roof inspections for repair and replacement of existing concrete tile and asphalt shingle roofs. Worked closely with roofing contractor inspecting tear-off, substrate repairs, flashing, felting, and asphalt shingle replacements to ensure compliance with Unified Facilities Criteria (UFC) Roofing requirements.

NAVAL BASE VENTURA COUNTY – TAXIWAY CHARLIE REHAB

FIELD AND LABORATORY TESTING | PT. MUGU, CA

Performed laboratory and field testing of freshly mixed concrete pavement using ASTM test methods for over 600 flex beams for concrete runway pavement. Field activities included testing of temperature, slump, density, air content, and material sampling following Navy specifications. Tested cement stabilized subgrade, cement treated base, **22,000 cy** of concrete and concrete aggregates.

COUNTY OF SANTA BARBARA – HWY 101 and CLARK AVE INTERCHANGE

FIELD TESTING AND INSPECTION | ORCUTT, CA

Performed construction materials testing at Hwy 101 and Clark Avenue interchange. Construction included widening of north and southbound ramps, grading of new ramps with fills up to 25-feet in height, sampling of freshly mixed concrete, and compaction testing of both soil and Hot Mix Asphalt. Worked closely with contractor and county inspector to insure work performed complied with approved plans and geotechnical report.

NAVAL BASE VENTURA COUNTY – RUNWAY 09/27 AND TAXIWAYS

FIELD AND LABORATORY TESTING | PT. MUGU, CA

Performed laboratory and field testing of freshly mixed concrete pavement using ASTM test methods for over 500 flex beams for concrete runway pavement. Field activities included testing of temperature, slump, density, air content, and material sampling following Navy specifications. Tested cement stabilized subgrade, concrete aggregates and Hot Mix Asphalt.

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Ventura, CA
805.656.6074

CERTIFICATES

Certified Engineer-In-Training
EIT #161738

Cal/OSHA Confined Space Entry

Nuclear Density Gauge Certified

U.S. D.O.T. Hazmat Certified

APNGA Radiation Safety Officer
Certification

ACI Concrete Field Testing
Technician #01530775

Caltrans/AASHTO Laboratory and
Field Certifications

EDUCATION

Ventura Community College
B.S., Civil Engineering, CSUN

EXPERIENCE

3+ Years

SOUTHERN CALIFORNIA GAS COMPANY – MATILIJA CREEK L8109

FIELD TESTING | OJAI, CA

Performed field and environmental testing during the relocation of +300 foot high pressure gas line. Field activities included compaction testing during slope reconstruction, scour analysis of Matilija Creek, and environmental water monitoring of neighboring source pools.

VCCCD – MOORPARK COLLEGE GYMNASIUM RENOVATION

FIELD TESTING AND INSPECTION | MOORPARK, CA

Provided construction materials testing services for Moorpark College during gym renovations. Testing included, field testing and sampling of freshly mixed concrete, compaction testing of subgrade and aggregate base, anchor, rebar and ceiling wire pull testing.

SOUTH PASADENA UNIFIED SCHOOL DISTRICT – SOUTH PASADENA M.S.

FIELD TESTING AND INSPECTION | SOUTH PASADENA, CA

Provided construction materials testing and inspection services for South Pasadena M.S. Testing included, field testing and sampling of freshly mixed concrete, compaction testing of subgrade and aggregate base, anchor, and rebar testing, and soil exploratory sampling.

COUNTY OF VENTURA – SANTA ROSA DEBRIS BASIN

FIELD TESTING | SANTA ROSA VALLEY, CA

Performed field inspection and testing using a nuclear density gauge of native soil during the deconstruction of dam and renovation of neighboring slope.

COUNTY OF VENTURA – ARROYO CONEJO NORTH FORK

FIELD EXPLORATION | THOUSAND OAKS, CA

Performed field exploration and environmental sampling of ground and surface water for hydrological evaluation.

CITY OF CERES – MITCHELL ROAD INTERCHANGE PROJECT

LABORATORY TESTING | CERES, CA

Performed laboratory testing of field exploration samples under ASTM standards including Modified Proctor Compaction, Atterberg Limits, Sieve Analysis, and Direct Shear testing.

VENTURA COUNTY WATERSHED PROTECTION DISTRICT DEBRIS BASINS

ENVIRONMENTAL SAMPLING | VENTURA COUNTY, CA

Performed environmental sampling of basin sediments prior to removal and offsite disposal. Provided chemical analyses to characterize waste sediment for offsite disposal.

SJRMC – ED NICU L&D IMPROVEMENTS

HOSPITAL | OXNARD, CA

Performed concrete batch plant inspection, concrete field testing and sampling, compaction testing of soil and aggregate base, and percolation testing.

LAUSD – POLYTECHNIC H.S.

FIELD TESTING | SUN VALLEY, CA

Performed concrete batch plant inspection, concrete field testing and sampling of foundation elements for new high school building.

EDWARD “KENNY” CLEVELAND

Senior Inspector / Senior Technician

Mr. Cleveland has been in the construction trade since 1979. As a foreman his work history included large parking structures, industrial buildings, DSA school and University projects.

Duties as a special inspector have included inspection of reinforcing steel, concrete placement, precast concrete, concrete batch plant, shotcrete/gunite, non-shrink grouting, fireproofing, intumescent paint, epoxy, expansion anchor inspection, roofing/waterproofing inspection and floor flatness testing on numerous OSHPD, DSA and commercial projects. Kenny also works as a field technician performing field density testing on soils and asphalt.

Project Experience

NAVAL BASE VENTURA COUNTY – TAXIWAY CHARLIE REHAB

FIELD AND LABORATORY TESTING | PT. MUGU, CA

Performed laboratory and field testing of freshly mixed concrete pavement using ASTM test methods for over 600 flex beams for concrete runway pavement. Field activities included testing of temperature, slump, density, air content, and material sampling following Navy specifications. Tested cement stabilized subgrade, cement treated base, **22,000 cy** of concrete and concrete aggregates.

SANTA CLARITA 2015-16 ANNUAL OVERLAY & SLURRY SEAL

PAVEMENT REHABILITATION | SANTA CLARITA, CA

Provided public works inspection, materials sampling and field density testing services for the 26,600-ton Asphalt Overlay, 161k SY Cold In-Place Recycle and 997K SY Slurry projects. NV5 provided comprehensive inspections and testing services for grinding, digouts, overlay laydown, stripping, traffic control, and sampling and testing.

THOUSAND OAKS 2014 RESURFACING PROGRAM - MI 2007

PAVEMENT REHABILITATION | THOUSAND OAKS, CA

Public Works Inspector for 600,000 SY pavement surfacing project comprising Cape Seal, Microsurfacing and REAS Slurry Seal. Identified and field marked 61,000 SY digout locations. Inspecting 500,000 SY Cape Seal, 150,000 SY Microsurfacing, and 360,000 SY REAS Slurry Seal.

OXNARD COLLEGE LRC RENOVATION & SEISMIC UPGRADE - VCCCD

DSA - SCHOOL | OXNARD, CA

Special Inspector for the Oxnard College Learning Resource Center Renovation and Seismic Upgrade. Project consisted of an existing 44,000 GSF, 1 story building with an open mezzanine. Inspection included fireproofing application and pull testing of anchor wires. DSA Field Engineer – Andy Widjaja, DSA # 03-115037

NV5 WEST, INC. | CQA

Ventura, CA

805.656.6074

CERTIFICATIONS:

ICC Reinforced Concrete -
#0861029-49

ACI Concrete Field Testing Tech.
Grade 1 - #01079215

Spray-Applied Fire-Proofing -
#0861029-86

Roofing / Waterproofing

Nuclear Density Gauge Certified

Radiation Safety Officer (RSO)

EXPERIENCE

38 years

AFFILIATIONS

ACI-American Concrete Institute

Ironworkers Local 416

ICC-International Code Council

JOSE ASPURIA

Laboratory & Field Technician

Jose Aspuria has been part of NV5's Team since 2002. His work history includes commercial and industrial projects and numerous OSHPD hospital and DSA school projects. Joe has extensive laboratory and field testing experience and oversees the cementitious materials testing in our Ventura laboratory. He performs Concrete Batch Plant Inspections, prepares laboratory trial batches for concrete and masonry grout and mortar, and samples asphaltic emulsion slurry seal for wet-track abrasion testing.

Project Experience

NAVAL BASE VENTURA COUNTY – TAXIWAY CHARLIE REHAB

FIELD AND LABORATORY TESTING | PT. MUGU, CA

Performed laboratory and field testing of freshly mixed concrete pavement using ASTM test methods for over 600 flex beams for concrete runway pavement. Field activities included testing of temperature, slump, density, air content, and material sampling following Navy specifications. Tested cement stabilized subgrade, cement treated base, **22,000 cy** of concrete and concrete aggregates.

THOUSAND OAKS 2014 RESURFACING PROGRAM – MI 2007

PAVEMENT REHABILITATION | THOUSAND OAKS, CA

Prepared field slurry patties for wet-track abrasion testing and performed laboratory wet-track abrasion tests for 360,000 SY REAS Slurry Seal.

MOORPARK 2012 PAVEMENT REHAB & ALDERBROOK STREET OVERLAY

PAVEMENT REHABILITATION | MOORPARK, CA

Project entailed 71,000 SY Asphalt Rubber Aggregate Membrane (ARAM) Cape Seal and 3,000 ton ARHM Overlay. Field technician performing field sampling and testing.

PAVEMENT RESURFACING, OXNARD BEACH AREA, SPEC. NO. RD 12-11

PAVEMENT REHABILITATION | OXNARD, CA

Field Technician for 110,000 SY Microsurfacing Project. Performed field sampling and testing for the County of Ventura. Project also included 4,200 tons ARHM.

CITY OF MOORPARK PAVEMENT REHABILITATION PROJECT 2009

PAVEMENT REHABILITATION | MOORPARK, CA

Prepared field slurry patties for wet-track abrasion testing and performed laboratory wet-track abrasion tests.

SIMI VALLEY BIG SKY PAVEMENT REQUIREMENT PROJECT

PUBLIC WORKS | SIMI VALLEY, CA

Slurry Seal Inspection and testing.

NV5 WEST, INC. | CQA
Ventura, CA
805.656.6074

CERTIFICATES:

ACI Concrete Field Technician – Grade 1

ACI Concrete Strength Testing Technician

ACI Masonry Lab Testing Technician

NCMA Masonry Testing Technician

CALTRANS CERTIFICATES:

CT125, CT504, CT518, CT521, CT533, CT539, CT540, CT556 and CT557

EXPERIENCE

16 years



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Certificates for EDWARD CLEVELAND

Basic Information

First Name	EDWARD
Last Name	CLEVELAND
Status	Active

Associated Labs

Total 1 item.

Lab Name	Manager Name	Full Address	District	Page Alias
NV5 West, Inc	Shaun Simon	1868 Palma Drive, Suite A, Ventura, CA 93003	7	Lab 1

Test Methods

California Test (CT) Certifications

Total 9 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 231 Relative Compaction - Nuclear Gage	2019-11-01	Expired	Seree Yenjai	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 375 AC Density by Nuclear Gage	2019-11-01	Expired	Seree Yenjai	Lab 1	(No comments)
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	(No lab)	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 557 Temperature - PCC (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	Lab 1	(No comments)

AASHTO/ASTM Proficiencies

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
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Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
No results found.					

Unofficial Copy



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Certificates for Eric Clark

Basic Information	
First Name	Eric
Last Name	Clark
Status	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
NV5 West, Inc	Shaun Simon	1868 Palma Drive, Suite A, Ventura, CA 93003	7	Lab 1

Test Methods					
California Test (CT) Certifications					
Total 22 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2022-10-18	Active	Sarbjit Grewal	(No lab)	(No comments)
CT 125 CEM Sampling - CEM	2021-08-13	Active	Seree Yenjai	(No lab)	(No comments)
CT 125 HMA Sampling - HMA (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 202 Sieve analysis - Fine and Coarse Aggregates (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 205 Percent Crushed Particles (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 217 Sand Equivalent (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 227 Cleanness Value (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 231 Relative Compaction - Nuclear Gage	2021-07-08	Active	Seree Yenjai	Lab 1	(No comments)
CT 375 AC Density by Nuclear Gage	2021-07-08	Active	Seree Yenjai	Lab 1	(No comments)
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 533 Ball Penetration - PCC	2021-08-13	Active	Seree Yenjai	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	(No lab)	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 556 Slump - PCC (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 557 Temperature - PCC (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	Lab 1	(No comments)

AASHTO/ASTM Proficiencies

Total 9 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T11 Sieve Analysis (Washing) - Fine Aggregates (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO T27 Sieve Analysis - Fine and Coarse Aggregates (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO R47 Reducing Samples of HMA (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO R76 Reducing Samples of Agg (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T176 Sand Equivalent (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO T248 Reducing Samples of Agg. (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO T255 Evaporable Moisture Content (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO T329 Moisture Content (Oven Method) - HMA (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO T335 Percentage of Fracture (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Certificates for Joe Aspuria

Basic Information

First Name	Joe
Last Name	Aspuria
Status	Active

Associated Labs

Total 1 item.

Lab Name	Manager Name	Full Address	District	Page Alias
NV5 West, Inc	Shaun Simon	1868 Palma Drive, Suite A, Ventura, CA 93003	7	Lab 1

Test Methods

California Test (CT) Certifications

Total 7 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 518 Unit Weight - PCC (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	(No lab)	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	Lab 1	(No comments)
CT 557 Temperature - PCC (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	Lab 1	(No comments)

AASHTO/ASTM Proficiencies

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
No results found.					



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Certificates for MATT HABBERFIELD

Basic Information

First Name	MATT
Last Name	HABBERFIELD
Status	Active

Associated Labs

Total 1 item.

Lab Name	Manager Name	Full Address	District	Page Alias
NV5 West, Inc	Shaun Simon	1868 Palma Drive, Suite A, Ventura, CA 93003	7	Lab 1

Test Methods

California Test (CT) Certifications

Total 2 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 231 Relative Compaction - Nuclear Gage	2019-07-24	Expired	Seree Yenjai	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 375 AC Density by Nuclear Gage	2019-07-24	Expired	Seree Yenjai	Lab 1	(No comments)

AASHTO/ASTM Proficiencies

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
No results found.					

Unofficial Copy



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Certificates for Peter Cornell

Basic Information	
First Name	Peter
Last Name	Cornell
Status	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
Fugro USA Land, Inc.	Matthew Pollard	4820 McGrath St. Suite 100, Ventura, CA 93003	7	Lab 1

Test Methods					
California Test (CT) Certifications					
Total 26 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 125 ADMIX Sampling - ADMIXTURE	2022-07-12	Active	Robby Rodriguez	Lab 1	IA74 - supposed to be a 3yr certificate as of 7-12-2019. SIAD will not allow a 3 yr option. This expiration is 7-12-22.
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2022-07-12	Active	Robby Rodriguez	Lab 1	IA74 - supposed to be a 3yr certificate as of 7-12-2019. SIAD will not allow a 3 yr option. This expiration is 7-12-22.
CT 125 BIT Sampling - BITUMINOUS	2022-07-12	Active	Robby Rodriguez	Lab 1	IA74 - supposed to be a 3yr certificate as of 7-12-2019. SIAD will not allow a 3 yr option. This expiration is 7-12-22.



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 125 CEM Sampling - CEM	2022-07-12	Active	Robby Rodriguez	Lab 1	IA74 - supposed to be a 3yr certificate as of 7-12-2019. SIAD will not allow a 3 yr option. This expiration is 7-12-22.
CT 125 GEN Sampling - GENERAL	2022-07-12	Active	Robby Rodriguez	Lab 1	IA74 - supposed to be a 3yr certificate as of 7-12-2019. SIAD will not allow a 3 yr option. This expiration is 7-12-22.
CT 125 HMA Sampling - HMA (JTCP - HMA I)	2022-07-12	Active	Robby Rodriguez	Lab 1	IA74 - supposed to be a 3yr certificate as of 7-12-2019. SIAD will not allow a 3 yr option. This expiration is 7-12-22.
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 202 Sieve analysis - Fine and Coarse Aggregates (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 205 Percent Crushed Particles (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 217 Sand Equivalent (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 227 Cleanness Value (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 231 Relative Compaction - Nuclear Gage	2020-07-10	Expired	Robby Rodriguez	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2018-08-28	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2018-08-29	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 523.1 Section B.1 & B.2 Flexural Strength (Field Fabrication)	2020-07-12	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 523.2 Section B.3 Flexural Strength (Lab Test)	2020-07-12	Expired	Robby Rodriguez	(No lab)	(No comments)
CT 524 Flexural Strength of Rapid Strength - PCC	2020-07-12	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 533 Ball Penetration - PCC	2020-07-10	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2018-08-29	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2018-08-29	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2017-08-30	Expired	Robby Rodriguez	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 557 Temperature - PCC (JTCP - PCC)	2017-08-30	Expired	Robby Rodriguez	Lab 1	(No comments)

AASHTO/ASTM Proficiencies

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
No results found.					

Unofficial Copy



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Certificates for Adam Blackwell

Basic Information

First Name	Adam
Last Name	Blackwell
Status	Active

Associated Labs

Total 1 item.

Lab Name	Manager Name	Full Address	District	Page Alias
NV5	Jesse Williams	2015 Westwind Drive, Bakersfield, CA 93301	6	Lab 1

Test Methods

California Test (CT) Certifications

Total 26 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 106 Definitions - Specific Gravity (SpG)	2018-07-25	Expired	Seree Yenjai	Lab 1	(No comments)
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 125 CEM Sampling - CEM	2019-03-06	Expired	Seree Yenjai	Lab 1	(No comments)
CT 125 GEN Sampling - GENERAL	2018-09-28	Expired	Seree Yenjai	Lab 1	(No comments)
CT 125 HMA Sampling - HMA (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 202 Sieve analysis - Fine and Coarse Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 205 Percent Crushed Particles (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 217 Sand Equivalent (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 227 Cleanness Value (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 231 Relative Compaction - Nuclear Gage	2020-06-12	Expired	Seree Yenjai	Lab 1	(No comments)
CT 370 Moisture Content by Microwave	2019-09-18	Expired	Seree Yenjai	(No lab)	(No comments)
CT 382 AC Content by Ignition Oven	2019-09-18	Expired	Seree Yenjai	Lab 1	(No comments)
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 533 Ball Penetration - PCC	2021-03-18	Active	Majid Fahrtosh	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 541 Flow Cone	2021-03-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 557 Temperature - PCC (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)

AASHTO/ASTM Proficiencies

Total 8 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T11 Sieve Analysis (Washing) - Fine Aggregates (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T27 Sieve Analysis - Fine and Coarse Aggregates (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO R47 Reducing Samples of HMA (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	(No lab)	(No comments)
AASHTO R76 Reducing Samples of Agg (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO T176 Sand Equivalent (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO T255 Evaporable Moisture Content (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO T329 Moisture Content (Oven Method) - HMA (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	(No lab)	(No comments)
AASHTO T335 Percentage of Fracture (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Certificates for Angel Chavez

Basic Information	
First Name	Angel
Last Name	Chavez
Status	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
NV5	Jesse Williams	2015 Westwind Drive, Bakersfield, CA 93301	6	Lab 1

Test Methods					
California Test (CT) Certifications					
Total 9 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2023-06-30	Active	Sarbjit Grewal	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2023-06-30	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 205 Percent Crushed Particles (JTCP - S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 217 Sand Equivalent (JTCP - S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 227 Cleanness Value (JTCP - S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)

AASHTO/ASTM Proficiencies

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
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Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
No results found.					

Unofficial Copy



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Certificates for Anabelle Ward

Basic Information

First Name	Anabelle
Last Name	Ward
Status	Active

Associated Labs

Total 1 item.

Lab Name	Manager Name	Full Address	District	Page Alias
NV5	Jesse Williams	2015 Westwind Drive, Bakersfield, CA 93301	6	Lab 1

Test Methods

California Test (CT) Certifications

Total 4 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 204 LL, PL, PI	2021-03-18	Active	Majid Fahrtosh	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 231 Relative Compaction - Nuclear Gage	2020-08-06	Expired	Pedro Reyes	Lab 1	(No comments)
CT 234 Uncompacted void - Fine Aggregates	2021-03-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 541 Flow Cone	2021-02-19	Active	Majid Fahrtoosh	Lab 1	(No comments)

AASHTO/ASTM Proficiencies

Total 1 item.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T312 Gyrotory Compactor	2021-03-18	Active	Majid Fahrtoosh	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Certificates for Jesse Williams

Basic Information	
First Name	Jesse
Last Name	Williams
Status	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
NV5	Jesse Williams	2015 Westwind Drive, Bakersfield, CA 93301	6	Lab 1

Test Methods					
<h3>California Test (CT) Certifications</h3>					
Total 41 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 106 Definitions - Specific Gravity (SpG)	2023-06-30	Active	Pedro Reyes	Lab 1	(No comments)
CT 125 ADMIX Sampling - ADMIXTURE	2017-10-19	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 125 BIT Sampling - BITUMINOUS	2017-10-19	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 CEM Sampling - CEM	2017-10-19	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 GEN Sampling - GENERAL	2017-10-19	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 HMA Sampling - HMA (JTCP - HMA I)	2017-10-19	Expired	Pedro Reyes	Lab 1	(No comments)
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 202 Sieve analysis - Fine and Coarse Aggregates (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 204 LL, PL, PI	2021-02-18	Active	Majid Fahrtoosh	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 205 Percent Crushed Particles (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 206 SpG & Absorption - Coarse Aggregates	2021-03-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 207 SpG & Absorption - Fine Aggregates	2021-02-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 212 Unit Weight of Aggregates	2021-03-18	Active	Majid Fahrtoosh	(No lab)	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 217 Sand Equivalent (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 227 Cleanness Value (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 231 Relative Compaction - Nuclear Gage	2021-08-06	Active	Pedro Reyes	Lab 1	(No comments)
CT 234 Uncompacted void - Fine Aggregates	2021-02-18	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 308 Bulk SpG and Density - HMA	2021-02-18	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 309 Max SpG and Density - HMA	2021-02-18	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 375 AC Density by Nuclear Gage	2021-02-18	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 382 AC Content by Ignition Oven	2021-02-19	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 521 Compressive Strength - PCC	2020-11-20	Expired	Pedro Reyes	Lab 1	(No comments)
CT 523.1 Section B.1 & B.2 Flexural Strength (Field Fabrication)	2020-11-20	Expired	Pedro Reyes	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 523.2 Section B.3 Flexural Strength (Lab Test)	2020-11-20	Expired	Pedro Reyes	(No lab)	(No comments)
CT 524 Flexural Strength of Rapid Strength - PCC	2020-11-20	Expired	Pedro Reyes	Lab 1	(No comments)
CT 531 Core Length - PCC	2018-09-18	Expired	Pedro Reyes	Lab 1	(No comments)
CT 533 Ball Penetration - PCC	2020-11-20	Expired	Pedro Reyes	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 541 Flow Cone	2018-03-14	Expired	Pedro Reyes	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 552 Relative Compaction of Polymer Concrete	2021-03-18	Active	Majid Fahrtoosh	(No lab)	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 557 Temperature - PCC (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)

AASHTO/ASTM Proficiencies

Total **10** items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T84 SpG & Absorption - Fine Aggregates	2019-08-07	Expired	Pedro Reyes	Lab 1	(No comments)
AASHTO T85 SpG & Absorption - Coarse Aggregates	2019-06-29	Expired	Pedro Reyes	Lab 1	(No comments)
AASHTO T166 Bulk SpG of Compacted HMA - SSD (JTCP - HMA II)	2022-02-07	Active	Richard Hibbard	Lab 1	(No comments)
AASHTO T176 Sand Equivalent (JTCP - HMA I)	2019-05-22	Expired	Pedro Reyes	Lab 1	(No comments)
AASHTO T209 Max SpG and Density - HMA (JTCP - HMA II)	2022-02-07	Active	Richard Hibbard	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T269 Percent Air Voids - HMA (JTCP - HMA II)	2022-02-07	Active	Richard Hibbard	(No lab)	(No comments)
AASHTO T275 Bulk SpG - HMA (JTCP - HMA II)	2022-02-07	Active	Richard Hibbard	Lab 1	(No comments)
AASHTO T308 AC Content (Ignition Oven) - HMA (JTCP - HMA II)	2022-02-07	Active	Richard Hibbard	Lab 1	(No comments)
AASHTO T312 Gyratory Compactor	2021-03-18	Active	Majid Fahrtosh	Lab 1	(No comments)
AASHTO T324 Hamburg Wheel-Track	2021-02-19	Active	Majid Fahrtosh	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Certificates for Neale Brown

Basic Information	
First Name	Neale
Last Name	Brown
Status	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
NV5	Jesse Williams	2015 Westwind Drive, Bakersfield, CA 93301	6	Lab 1

Test Methods					
California Test (CT) Certifications					
Total 34 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 106 Definitions - Specific Gravity (SpG)	2023-06-30	Active	Pedro Reyes	Lab 1	(No comments)
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 125 BIT Sampling - BITUMINOUS	2018-10-17	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 CEM Sampling - CEM	2018-03-14	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 GEN Sampling - GENERAL	2019-09-18	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 HMA Sampling - HMA (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 202 Sieve analysis - Fine and Coarse Aggregates (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 205 Percent Crushed Particles (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 206 SpG & Absorption - Coarse Aggregates	2019-01-17	Expired	Pedro Reyes	Lab 1	(No comments)
CT 207 SpG & Absorption - Fine Aggregates	2018-10-17	Expired	Pedro Reyes	Lab 1	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 217 Sand Equivalent (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 227 Cleanness Value (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 231 Relative Compaction - Nuclear Gage	2021-10-20	Active	Martiniano Ruiz	Lab 1	(No comments)
CT 308 Bulk SpG and Density - HMA	2019-09-18	Expired	Pedro Reyes	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 309 Max SpG and Density - HMA	2019-09-18	Expired	Pedro Reyes	Lab 1	(No comments)
CT 382 AC Content by Ignition Oven	2018-10-17	Expired	Pedro Reyes	Lab 1	(No comments)
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 521 Compressive Strength - PCC	2020-11-20	Expired	Pedro Reyes	Lab 1	(No comments)
CT 523.1 Section B.1 & B.2 Flexural Strength (Field Fabrication)	2021-02-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 523.2 Section B.3 Flexural Strength (Lab Test)	2021-02-18	Active	Majid Fahrtoosh	(No lab)	(No comments)
CT 524 Flexural Strength of Rapid Strength - PCC	2021-02-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 533 Ball Penetration - PCC	2020-11-20	Expired	Pedro Reyes	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 540 Making Cylinders - PCC (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 541 Flow Cone	2018-03-14	Expired	Pedro Reyes	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 557 Temperature - PCC (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)

AASHTO/ASTM Proficiencies

Total 15 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T11 Sieve Analysis (Washing) - Fine Aggregates (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)
AASHTO T27 Sieve Analysis - Fine and Coarse Aggregates (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO R47 Reducing Samples of HMA (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	(No lab)	(No comments)
AASHTO R76 Reducing Samples of Agg (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)
AASHTO T166 Bulk SpG of Compacted HMA - SSD (JTCP - HMA II)	2022-05-30	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO T176 Sand Equivalent (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)
AASHTO T209 Max SpG and Density - HMA (JTCP - HMA II)	2022-05-30	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO T255 Evaporable Moisture Content (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)
AASHTO T269 Percent Air Voids - HMA (JTCP - HMA II)	2022-05-30	Active	Jasdeep Sandhu	(No lab)	(No comments)
AASHTO T275 Bulk SpG - HMA (JTCP - HMA II)	2022-05-30	Active	Jasdeep Sandhu	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T308 AC Content (Ignition Oven) - HMA (JTCP - HMA II)	2022-05-30	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO T312 Gyratory Compactor	2019-05-22	Expired	Pedro Reyes	Lab 1	(No comments)
AASHTO T324 Hamburg Wheel-Track	2019-09-18	Expired	Pedro Reyes	Lab 1	(No comments)
AASHTO T329 Moisture Content (Oven Method) - HMA (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	(No lab)	(No comments)
AASHTO T335 Percentage of Fracture (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Certificates for Ryan DeVault

Basic Information	
First Name	Ryan
Last Name	DeVault
Status	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
NV5	Jesse Williams	2015 Westwind Drive, Bakersfield, CA 93301	6	Lab 1

Test Methods					
California Test (CT) Certifications					
Total 28 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 202 Sieve analysis - Fine and Coarse Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 205 Percent Crushed Particles (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 217 Sand Equivalent (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 227 Cleanness Value (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 231 Relative Compaction - Nuclear Gage	2021-02-19	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 308 Bulk SpG and Density - HMA	2021-02-19	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 375 AC Density by Nuclear Gage	2021-02-19	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 382 AC Content by Ignition Oven	2021-03-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 521 Compressive Strength - PCC	2021-02-19	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 523.1 Section B.1 & B.2 Flexural Strength (Field Fabrication)	2021-02-19	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 523.2 Section B.3 Flexural Strength (Lab Test)	2021-02-19	Active	Majid Fahrtoosh	(No lab)	(No comments)
CT 524 Flexural Strength of Rapid Strength - PCC	2021-03-18	Active	Majid Fahrtoosh	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 533 Ball Penetration - PCC	2021-02-19	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 541 Flow Cone	2021-02-19	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 552 Relative Compaction of Polymer Concrete	2021-03-18	Active	Majid Fahrtosh	(No lab)	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 557 Temperature - PCC (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)

AASHTO/ASTM Proficiencies

Total 2 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
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Some Certifications have expired due to COVID restrictions on Caltrans IA staff.
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T312 Gyratory Compactor	2021-03-18	Active	Majid Fahrtosh	Lab 1	(No comments)
AASHTO T324 Hamburg Wheel-Track	2021-03-18	Active	Majid Fahrtosh	Lab 1	(No comments)

Unofficial Copy



ATTACHMENT B
LABORATORY CERTIFICATES



AASHTO
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**CERTIFICATE OF
ACCREDITATION**

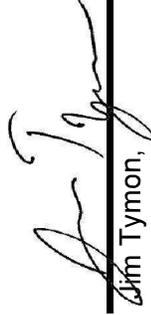
AMERICAN ASSOCIATION
OF STATE HIGHWAY AND
TRANSPORTATION OFFICIALS

AASHTO

NV5 West, Inc. - an NV5 Global, Inc. company
in
Ventura, California, USA

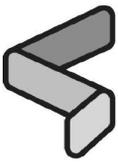
has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).


Jim Tymon,
AASHTO Executive Director


Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 02/05/2021 at 5:40 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



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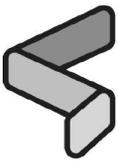
SCOPE OF AASHTO ACCREDITATION FOR:

NV5 West, Inc. - an NV5 Global, Inc. company

in Ventura, California, USA

Quality Management System

Standard:	Accredited Since:
R18	12/15/1991
Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	
C1077 (Aggregate)	07/17/2015
Laboratories Testing Concrete and Concrete Aggregates	
C1077 (Concrete)	06/23/2016
Laboratories Testing Concrete and Concrete Aggregates	
C1093 (Masonry)	09/15/2011
Accreditation of Testing Agencies for Unit Masonry	
D3666 (Aggregate)	06/30/2017
Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	
D3666 (Asphalt Mixture)	06/30/2017
Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	
D3740 (Soil)	08/07/2017
Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	
E329 (Aggregate)	10/18/2019
Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	
E329 (Asphalt Mixture)	08/07/2017
Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	
E329 (Concrete)	06/23/2016
Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	
E329 (Masonry)	01/25/2019
Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	
E329 (Soil)	12/19/2019
Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	



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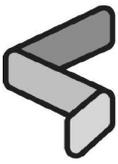
SCOPE OF AASHTO ACCREDITATION FOR:

NV5 West, Inc. - an NV5 Global, Inc. company

in Ventura, California, USA

Asphalt Mixture

Standard:	Accredited Since:
T30 Mechanical Analysis of Extracted Aggregate	06/16/2008
T164 Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	06/16/2008
T166 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	06/16/2008
T209 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	06/16/2008
T246 Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus	01/11/2013
T247 Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	06/16/2008
T269 Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	06/16/2008
T275 Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	07/17/2015
T283 Resistance of Compacted Mixtures to Moisture Induced Damage	08/07/2017
T308 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	06/16/2008
T329 Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	08/07/2017
T355 Density of Bituminous Concrete In Place by Nuclear Methods	09/06/2019
D1560 (Stability) Resistance to Deformation of Bituminous Mixtures by Means of Hveem Apparatus	06/16/2008
D1561 Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	06/16/2008
D2041 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	06/16/2008
D2172 Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	06/16/2008
D2726 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	06/16/2008
D2950 Density of Bituminous Concrete In Place by Nuclear Methods	07/17/2015
D3203 Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	06/16/2008
D5444 Mechanical Analysis of Extracted Aggregate	06/16/2008
D6307 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	06/16/2008



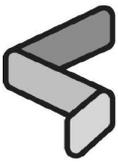
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in Ventura, California, USA

Soil

Standard:	Accredited Since:
R58 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/16/2008
T89 Determining the Liquid Limit of Soils (Atterberg Limits)	06/16/2008
T90 Plastic Limit of Soils (Atterberg Limits)	06/16/2008
T99 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/06/2019
T180 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/30/2017
T190 Resistance R-Value and Expansion Pressure of Compacted Soils	06/16/2008
T265 Laboratory Determination of Moisture Content of Soils	06/16/2008
T310 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	06/16/2008
T311 Grain-Size Analysis of Granular Soil Materials	07/17/2015
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	06/16/2008
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	09/06/2019
D1140 Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	06/16/2008
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/16/2008
D2216 Laboratory Determination of Moisture Content of Soils	06/16/2008
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	07/17/2015
D2844 Resistance R-Value and Expansion Pressure of Compacted Soils	06/16/2008
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	06/16/2008
D4318 Plastic Limit of Soils (Atterberg Limits)	06/16/2008
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	06/16/2008



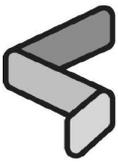
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NV5 West, Inc. - an NV5 Global, Inc. company
in Ventura, California, USA

Aggregate

Standard:	Accredited Since:
R76 Reducing Samples of Aggregate to Testing Size	07/17/2015
R90 Sampling Aggregate	07/17/2015
T11 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	12/15/1991
T19 Bulk Density ("Unit Weight") and Voids in Aggregate	07/17/2015
T21 Organic Impurities in Fine Aggregates for Concrete	12/15/1991
T27 Sieve Analysis of Fine and Coarse Aggregates	12/15/1991
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/17/2015
T85 Specific Gravity and Absorption of Coarse Aggregate	12/15/1991
T96 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	07/17/2015
T112 Clay Lumps and Friable Particles in Aggregate	09/06/2019
T113 Lightweight Pieces in Aggregate	09/06/2019
T176 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	07/17/2015
T210 Aggregate Durability Index	08/07/2017
T255 Total Moisture Content of Aggregate by Drying	07/17/2015
T304 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	07/17/2015
T335 Determining the Percentage of Fractured Particles in Coarse Aggregate	08/07/2017
C29 Bulk Density ("Unit Weight") and Voids in Aggregate	07/17/2015
C40 Organic Impurities in Fine Aggregates for Concrete	12/15/1991
C88 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	08/07/2017
C117 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	12/15/1991
C123 Lightweight Pieces in Aggregate	09/06/2019
C127 Specific Gravity and Absorption of Coarse Aggregate	12/15/1991
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/17/2015



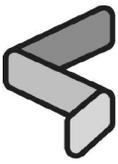
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NV5 West, Inc. - an NV5 Global, Inc. company
in Ventura, California, USA

Aggregate (Continued)

Standard:	Accredited Since:
C131 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	07/17/2015
C136 Sieve Analysis of Fine and Coarse Aggregates	12/15/1991
C142 Clay Lumps and Friable Particles in Aggregate	09/06/2019
C535 Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	08/07/2017
C566 Total Moisture Content of Aggregate by Drying	07/17/2015
C702 Reducing Samples of Aggregate to Testing Size	07/17/2015
C1252 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	07/17/2015
D75 Sampling Aggregate	07/17/2015
D2419 Plastic Fineness in Graded Aggregates and Soils by Use of the Sand Equivalent Test	07/17/2015
D3744 Aggregate Durability Index	08/07/2017
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	08/07/2017
D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate	08/07/2017



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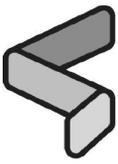
SCOPE OF AASHTO ACCREDITATION FOR:

NV5 West, Inc. - an NV5 Global, Inc. company

in Ventura, California, USA

Iron and Steel

Standard:	Accredited Since:
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	06/23/2016
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	06/23/2016
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	06/23/2016
A615-E290 Carbon-Steel Bars, Deformed and Plain: Bend Test	02/20/2009
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	06/23/2016
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	06/23/2016
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	06/23/2016
A706-E290 Low Alloy Steel Bars, Deformed and Plain: Bend Test	01/17/2014



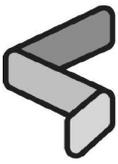
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in Ventura, California, USA

Concrete

Standard:	Accredited Since:
C31 Making and Curing Concrete Test Specimens in the Field	01/25/2019
C39 Compressive Strength of Cylindrical Concrete Specimens	12/15/1991
C78 Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	01/25/2019
C138 Density (Unit Weight), Yield, and Air Content of Concrete	12/15/1991
C143 Slump of Hydraulic Cement Concrete	12/15/1991
C172 Sampling Freshly Mixed Concrete	12/15/1991
C173 Air Content of Freshly Mixed Concrete by the Volumetric Method	12/15/1991
C231 Air Content of Freshly Mixed Concrete by the Pressure Method	12/15/1991
C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/15/2011
C617 (6000 psi and below) Capping Cylindrical Concrete Specimens	11/08/2018
C1064 Temperature of Freshly Mixed Portland Cement Concrete	12/15/1991
C1231 (7000 psi and below) Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	08/30/2011



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NV5 West, Inc. - an NV5 Global, Inc. company
in Ventura, California, USA

Masonry

Standard:

C140 (Concrete Masonry Units) Sampling and Testing Concrete Masonry Units and Related Units

C1552

Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing

Accredited Since:

09/15/2011

09/15/2011

Home

Lab ▾

Tester ▾

Staff Login



Lab Information for NV5 West, Inc

Lab Details

Basic Information

Lab Name	NV5 West, Inc
Manager Name	Shaun Simon
Lab Email	shaun.simon@nv5.com
Lab Telephone	805-656-6074
Lab Fax	805-650-6264
Lab Full Address	1868 Palma Drive, Suite A, Ventura, CA 93003
Zip	93003
Lab Type	Private

District 7

RSP Information

RSP Shipping Address: 1868 Palma Drive, Suite A, Ventura, CA 93003

Test Methods

California Test (CT) Accreditations

Total 37 items.

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Tester Certified?
CT 105: Calculations - Gradings (JTCP)	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes
CT 106: Definitions - Specific Gravity (SpG)	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes
CT 125 GEN: Sampling - GENERAL	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes
CT 201: Sample Preparation - Soil and Aggregates (JTCP)	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes
CT 202: Sieve analysis - Fine and Coarse Aggregates (JTCP)	2018-07- 24	2019-07- 24	Inactive	Seree Yenjai	Yes
CT 205: Percent Crushed Particles (JTCP)	2018-07- 24	2019-07- 24	Active	Seree Yenjai	No

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Tester Certified?
CT 206: SpG & Absorption - Coarse Aggregates	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 207: SpG & Absorption - Fine Aggregates	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 208: Apparent SpG - Fine Aggregates	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 211: LA Rattler	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 216: Relative Compaction - Soils and Aggregates (JTCP)	2018-07-24	2019-07-24	Active	Seree Yenjai	No
CT 217: Sand Equivalent (JTCP)	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 226: Moisture Content - Soils and Aggregates (JTCP)	2018-07-24	2019-07-24	Inactive	Seree Yenjai	Yes
CT 227: Cleanness Value (JTCP)	2018-07-24	2019-07-24	Active	Seree Yenjai	No
CT 229: Durability (JTCP)	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Tester Certified?
CT 231: Relative Compaction - Nuclear Gage	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes
CT 235: Flat and Elongated Particles	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes
CT 301: "R" Value	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes
CT 304: Sample Preparation - HMA	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes
CT 308: Bulk SpG and Density - HMA	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes
CT 309: Max SpG and Density - HMA	2018-07- 24	2019-07- 24	Inactive	Seree Yenjai	Yes
CT 360: Surface Abrasion	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes
CT 366: Stabilometer	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes
CT 367: OBC	2018-07- 24	2019-07- 24	Active	Seree Yenjai	No
CT 370: Moisture Content by Microwave	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes
CT 371: Moisture Induced Damage (TSR)	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Tester Certified?
CT 375: AC Density by Nuclear Gage	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 382: AC Content by Ignition Oven	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 504: Air Content of PCC - Pressure Method (JTCP)	2018-07-24	2019-07-24	Active	Seree Yenjai	No
CT 518: Unit Weight - PCC (JTCP)	2018-07-24	2019-07-24	Active	Seree Yenjai	No
CT 521: Compressive Strength - PCC	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 523: Flexural Strength - PCC	2018-07-24	2019-07-24	Active	Seree Yenjai	No
CT 533: Ball Penetration - PCC	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 539: Sampling Fresh Concrete (JTCP)	2018-07-24	2019-07-24	Active	Seree Yenjai	No
CT 540: Making Cylinders - PCC (JTCP)	2018-07-24	2019-07-24	Active	Seree Yenjai	No
CT 556: Slump - PCC (JTCP)	2018-07-24	2019-07-24	Active	Seree Yenjai	No
CT 557: Temperature -	2018-07-24	2019-07-24	Active	Seree Yenjai	No

AASHTO/ASTM Proficiencies

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Tester Certified?
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No results found.

Testers in the Lab

Tester Summary

Total 8 items.

First Name	Last Name	Links
Paul	Harting	Details
Joe	Aspuria	Details
Geoff	Faneros	Details
Eric	Clark	Details
LINDA	THEODOSIOU	Details
MATT	HABBERFIELD	Details
EDWARD	CLEVELAND	Details
Jeffrey	Betus	Details

Tester Details

Details for Paul Harting

First Name	Paul
Last Name	Harting
Status	Active

Total 20 items.

Certified California Tests(CT)

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
CT 105: Calculations - Gradings (JTCP)	2016-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 106: Definitions - Specific Gravity (SpG)	2018-07-24	2118-07-24	Active	Seree Yenjai	Yes
CT 201: Sample Preparation - Soil and Aggregates (JTCP)	2016-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 202: Sieve analysis - Fine and Coarse Aggregates (JTCP)	2016-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 206: SpG & Absorption - Coarse Aggregates	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 207: SpG & Absorption - Fine Aggregates	2017-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 208: Apparent SpG - Fine Aggregates	2017-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 211: IA	2017-09-19	2019-09-19	Active	Seree Yenjai	Yes

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
CT 217: Sand Equivalent (JTCP)	2016-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 226: Moisture Content - Soils and Aggregates (JTCP)	2016-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 235: Flat and Elongated Particles	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 301: "R" Value	2017-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 304: Sample Preparation - HMA	2017-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 308: Bulk SpG and Density - HMA	2017-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 309: Max SpG and Density - HMA	2017-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 360: Surface Abrasion	2017-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 366: Stabilometer	2017-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 370: Moisture Content by Microwave	2017-09-19	2019-09-19	Active	Seree Yenjai	Yes

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
CT 371: Moisture Induced Damage (TSR)	2017-09-19	2019-09-19	Active	Seree Yenjai	Yes
CT 382: AC Content by Ignition Oven	2017-09-19	2019-09-19	Active	Seree Yenjai	Yes

AASHTO/ASTM Proficiencies

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
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No results found.

Details for Joe Aspuria

First Name	Joe
Last Name	Aspuria
Status	Active

Certified California Tests(CT)

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
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No results found.

AASHTO/ASTM Proficiencies

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
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Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
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No results found.

Details for Geoff Faneros

First Name	Geoff
Last Name	Faneros
Status	Active

Certified California Tests(CT)

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
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No results found.

AASHTO/ASTM Proficiencies

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
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No results found.

Details for Eric Clark

First Name	Eric
Last Name	Clark
Status	Active

Certified California Tests(CT)

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
CT 105: Calculations - Gradings (JTCP)	2018-06-15	2021-06-15	Active	Biplab Bhattacharya	Yes
CT 125 AGG: Sampling - AGGREGATES (JTCP)	2018-06-15	2021-06-15	Active	Biplab Bhattacharya	No
CT 125 HMA: Sampling - HMA (JTCP)	2018-06-15	2021-06-15	Active	Biplab Bhattacharya	No
CT 125 PCC: Sampling - PCC	2018-08-07	2019-08-07	Active	Seree Yenjai	No
CT 231: Relative Compaction - Nuclear Gage	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 375: AC Density by Nuclear Gage	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 533: Ball Penetration - PCC	2018-08-07	2019-08-07	Active	Seree Yenjai	Yes

Total 9 items.

AASHTO/ASTM Proficiencies

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
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Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
AASHTO T11: Sieve Analysis (Washing) - Fine Aggregates (JTCP)	2018-06- 15	2021-06- 15	Active	Biplab Bhattacharya	No
AASHTO T27: Sieve Analysis - Fine and Coarse Aggregates (JTCP)	2018-06- 15	2021-06- 15	Active	Biplab Bhattacharya	No
AASHTO R47: Reducing Samples of HMA (JTCP)	2018-06- 15	2021-06- 15	Active	Biplab Bhattacharya	No
AASHTO R76: Reducing Samples of Agg (JTCP)	2018-06- 15	2021-06- 15	Active	Biplab Bhattacharya	No
AASHTO T176: Sand Equivalent (JTCP)	2018-06- 15	2021-06- 15	Active	Biplab Bhattacharya	No
AASHTO T248: Reducing Samples of Agg. (JTCP)	2018-06- 15	2021-06- 15	Active	Biplab Bhattacharya	No
AASHTO T255: Evaporable Moisture Content (JTCP)	2018-06- 15	2021-06- 15	Active	Biplab Bhattacharya	No

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
AASHTO T329: Moisture Content (Oven Method) - HMA (JTCP)	2018-06-15	2021-06-15	Active	Biplab Bhattacharya	No
AASHTO T335: Percentage of Fracture (JTCP)	2018-06-15	2021-06-15	Active	Biplab Bhattacharya	No

Details for LINDA THEODOSIOU

First Name	LINDA
Last Name	THEODOSIOU
Status	Active

Total 1 item.

Certified California Tests(CT)

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
CT 375: AC Density by Nuclear Gage	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes

AASHTO/ASTM Proficiencies

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
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No results found.

Details for MATT HABBERFIELD

First Name MATT
Last Name HABBERFIELD
Status Active

Total 2 items.

Certified California Tests(CT)

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
CT 231: Relative Compaction - Nuclear Gage	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes
CT 375: AC Density by Nuclear Gage	2018-07-24	2019-07-24	Active	Seree Yenjai	Yes

AASHTO/ASTM Proficiencies

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
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No results found.

Details for EDWARD CLEVELAND

First Name EDWARD
Last Name CLEVELAND
Status Active

Total 2 items.

Certified California Tests(CT)

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
CT 231: Relative Compaction - Nuclear Gage	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes
CT 375: AC Density by Nuclear Gage	2018-07- 24	2019-07- 24	Active	Seree Yenjai	Yes

AASHTO/ASTM Proficiencies

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
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No results found.

Details for Jeffrey Betus

First Name Jeffrey
Last Name Betus
Status Active

Total 11 items.

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
CT 125 AGG: Sampling - AGGREGATES (JTCP)	2016-05-30	2019-05-30	Active	Seree Yenjai	No
CT 125 GEN: Sampling - GENERAL	2017-05-30	2019-05-30	Active	Seree Yenjai	Yes
CT 125 HMA: Sampling - HMA (JTCP)	2016-05-30	2019-05-30	Active	Seree Yenjai	No
CT 125 PCC: Sampling - PCC	2017-05-30	2019-05-30	Active	Seree Yenjai	No
CT 207: SpG & Absorption - Fine Aggregates	2017-05-30	2019-05-30	Active	Seree Yenjai	Yes
CT 229: Durability (JTCP)	2016-05-30	2019-05-30	Active	Seree Yenjai	Yes
CT 309: Max SpG and Density - HMA	2017-05-30	2019-05-30	Active	Seree Yenjai	Yes
CT 370: Moisture Content by Microwave	2017-05-30	2019-05-30	Active	Seree Yenjai	Yes
CT 382: AC Content by Ignition Oven	2017-05-30	2019-05-30	Active	Seree Yenjai	Yes
CT 521: Compressive Strength - PCC	2018-08-07	2019-08-07	Active	Seree Yenjai	Yes

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
CT 533: Ball Penetration - PCC	2018-08-07	2019-08-07	Active	Seree Yenjai	Yes

AASHTO/ASTM Proficiencies

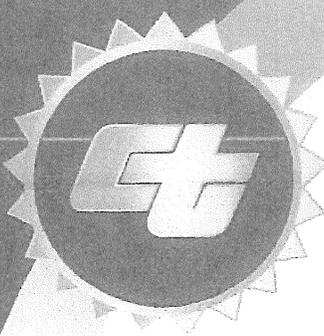
Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Within Lab Scope?
No results found.					

i For concerns with missing or erroneous data, please contact your Independent Assurance personnel

Please submit any comments or questions to the SIAD Task Manager:
 Bomasur Banzon
 Bomasur.banzon@dot.ca.gov
 916-227-7234

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

CALTRANS ACCREDITATION LABORATORY INSPECTION REPORT



Expiration Date: 2021-03-27

Inspected By: Majid Fahrtosh

IA No.: 112

Phone: 562-345-3147

RSP #: 284

File: Material Category 500

Laboratory: NV5

Address: 2015 Westwind Drive Bakersfield CA,
93301

Lab QC Mgr.: Jesse Williams

E-mail: jesse.williams@nv5.com

Telephone: 661-325-2699

Fax #: 661-325-2099

A certified Independent Assurance (IA) visited this laboratory on 2020-03-18

Only the equipment to be used on Caltrans Construction projects and/or local construction projects on the National Highway System was checked for qualification. At the time of Caltrans Accreditation, this laboratory had all necessary equipment to perform the test methods indicated below.

Testing personnel shall be Caltrans Qualified and possess a current Caltrans Certification Form TL-0111 or AASHTO Proficiency Form TL-0115 prior to performing any sampling or testing.

AASHTO T11	AASHTO T27	AASHTO R76	AASHTO T84	AASHTO T85
AASHTO T166	AASHTO T176	AASHTO T209	AASHTO T210	AASHTO T248
AASHTO T255	AASHTO T275	AASHTO T304	AASHTO T308	AASHTO T312
AASHTO T324	AASHTO T335	CT 105	CT 106	CT 125 ADMIX
CT 125 AGG	CT 125 BIT	CT 125 CEM	CT 125 GEN	CT 125 HMA
CT 201	CT 202	CT 204	CT 205	CT 206
CT 207	CT 216	CT 217	CT 226	CT 227
CT 229	CT 231	CT 234	CT 235	CT 308
CT 309	CT 375	CT 382	CT 504	CT 518
CT 521	CT 523	CT 524	CT 531	CT 533
CT 539	CT 540	CT 541	CT 543	CT 556
CT 557				

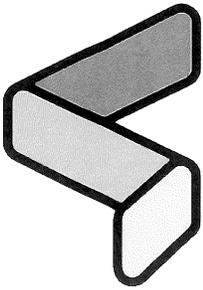
A visual check was performed and documents provided as necessary for the following items:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Facility Safety Manual | <input checked="" type="checkbox"/> Copies of current applicable test procedures |
| <input checked="" type="checkbox"/> Laboratory Procedures Manual | <input checked="" type="checkbox"/> Calibration and service documentation |
| <input checked="" type="checkbox"/> Laboratory Quality Control Manual | <input checked="" type="checkbox"/> Calibration stickers affixed to test equipment |
| <input checked="" type="checkbox"/> Proper test equipment | (dated within the 12 months) |

On 2020-03-27, this laboratory was Caltrans Qualified by:

M. Fahrtosh
Majid Fahrtosh
IA 112

Please verify lab accreditation by visiting SIAD website: <https://sia.dot.ca.gov/>



AASHTO
ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION
OF STATE HIGHWAY AND
TRANSPORTATION OFFICIALS

AASHTO

NV5 West, Inc.

in

Bakersfield, California, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Highway Subcommittee on Materials (HSOM).

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories on www.aashtoresource.org.



Bud Wright,
AASHTO Executive Director



Moe Jamshidi,
AASHTO HSOM Chair

This certificate was generated on June 22, 2017, at 9:05 AM Eastern Time. Please confirm the current accreditation status of this laboratory at www.aashtoresource.org/aap/accreditation-directory



ATTACHMENT C

COST PROPOSAL

**SEE REVISED PROPOSAL
DATED 2/19/2021; EXHIBIT B,
ATTACHMENT 2**



ATTACHMENT D

**EXHIBIT 10-01
CONSULTANT PROPOSAL DBE COMMITMENT**

EXHIBIT 10-01 CONSULTANT PROPOSAL DBE COMMITMENT

1. Local Agency: County of Santa Barbara 2. Contract DBE Goal: 0%
 3. Project Description: Floradale Ave. Bridge No. 51C-0370 Over Santa Ynez River West of Lompoc, Ca.
 4. Project Location: Lompoc/County of Santa Barbara
 5. Consultant's Name: NV5 West Inc. 6. Prime Certified DBE:

7. Description of Work, Service, or Materials Supplied	8. DBE Certification Number	9. DBE Contact Information	10. DBE %
Mechanical/welded splice slip testing	35308	Sequoia Consultants 361 W. Grove Ave. Orange, Ca. 714-974-6316	3%
Local Agency to Complete this Section		11. TOTAL CLAIMED DBE PARTICIPATION	3 %
17. Local Agency Contract Number: _____ 18. Federal-Aid Project Number: _____ 19. Proposed Contract Execution Date: _____ 20. Consultant's Ranking after Evaluation: _____			
Local Agency certifies that all DBE certifications are valid and information on this form is complete and accurate. _____ _____ _____		IMPORTANT: Identify all DBE firms being claimed for credit, regardless of tier. Written confirmation of each listed DBE is required.  12. Preparer's Signature _____ 13. Date <u>02/05/2021</u> Ed Sullivan _____ 15. Phone <u>805-732-3168</u> 14. Preparer's Name _____ Construction Services Manager 16. Preparer's Title _____	

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

ADA Notice: For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

Material Testing Services - FLORADALE AVE.
 BR. NO. 51C-0370
 FEDERAL PROJECT NO. BRLSZD-5951(060)
 COUNTY PROJECT #862032
 EXHIBIT B, ATTACHMENT #2



February 2, 2021
 Proposal No: 2018.06.0066
 (revised 2/23/2021 - R1b)

County of Santa Barbara
 620 West Foster Road
 Santa Maria, CA 93455

Attention: Transportation Division, Construction Section

Subject: Proposal for Material Testing for the Floradale Avenue Bridge NO.51C-0370 Over the Santa Ynez River 0.75 Miles North of Central Avenue, West of the City of Lompoc in the 3rd Supervisorial District, County Project # 862032

NV5 is pleased to submit this proposal for Materials Testing for the Floradale Bridge NO. 51C-0370 Over Santa Ynez River 0.75 Miles North of Central Avenue, West of the City of Lompoc in the 3RD Supervisorial District. This proposal is prepared in response to the County's RFP, and is based upon the unit quantity estimates provided in the RFP. No schedule was provided for review. Our estimated scope of services and associated estimated costs are presented below.

Floradale Ave Bridge

S.B. County Project No: 862032

Bridge No: 51C-0370

Scope of Work and Cost Estimate

<u>MATERIAL</u>	<u>TEST</u>	<u>TEST NO.</u>	<u>FREQUENCY</u>	<u>TIME/VOLUME</u>	<u>EST. QUANTITY</u>	<u>COST \$/UNIT</u>	<u>TOTAL COST \$</u>
Roadway Excavation & Imported Borrow							
Native soil+Import Borrow	Relative Compaction Curve	ASTM D 1557	1/Soil type/Import	Est. 4 soil types	6	\$ 215	\$ 1,290
Native soil (90% on fill slopes)	In Place Soil Density	ASTM D 2922	1/100 LF	Hours	331	\$ 108	\$ 35,748
Native soil (95% under new road)	In Place Soil Density	ASTM D 2922	1/50LF/Lane	Hours	142	\$ 108	\$ 15,336
Native soil (95% under old road)	In Place Soil Density	ASTM D 2922	1/50LF/Lane	Hours	138	\$ 108	\$ 14,904
Import Borrow (95% under new road)	In Place Soil Density	ASTM D 2922	1/50LF/Lane	Hours	401	\$ 108	\$ 43,308
<i>SUBTOTAL</i>							\$ 110,586
Structural Backfill							
Structure Backfill Sand/Premium Fill/or Native	Relative Compaction Curve	ASTM D 1557	1/SB type	3 type	3	\$ 215	\$ 645
Structure Backfill (95% OF RC)	In Place Soil Density	ASTM D 2922	1/Lift/Abut	Hours	96	\$ 108	\$ 10,368
Structure Backfill	Sand Equivalent	California Test 217	1/SB type	3 type	3	\$ 115	\$ 345
Structure Backfill	Sieve Analysis	California Test 202	1/SB type	3 type	3	\$ 135	\$ 405
<i>SUBTOTAL</i>							\$ 11,763

NV5 West, Inc.
 1868 Palma Drive, Suite A, Ventura, CA 93003
 Phone: (805) 656-6074

An NV5, Inc. Company
 www.NV5.com
 Offices Nationwide

<u>MATERIAL</u>	<u>TEST</u>	<u>TEST NO.</u>	<u>FREQUENCY</u>	<u>TIME/VOLUME</u>	<u>EST. QUANTIT Y</u>	<u>COST \$/UNIT</u>	<u>TOTAL COST \$</u>
Class 2 Aggregate Base							
C2 Aggregate Base	Sieve Analysis	California Test 202	1/C2Btype/DAY	(2 D ST1, 2 D ST 2, 2 D ST3)	6	\$ 135	\$ 810
C2 Aggregate Base	R-Value	California Test 301	1/C2Btype	Est.1 per stage	3	\$ 315	\$ 945
C2 Aggregate Base	Sand Equivalent	California Test 217	1/C2Btype/DAY	(2 D ST1, 2 D ST 2, 2 D ST3)	6	\$ 115	\$ 690
C2 Aggregate Base	Durability	California Test 229	1/C2Btype	Est.1 per stage	3	\$ 265	\$ 795
C2 Aggregate Base	Relative Compaction Curve	ASTM D 1557	1/C2Btype	Est.1 per stage	3	\$ 265	\$ 795
C2 Aggregate Base (95% OF RC)	In Place Soil Density	ASTM D 2922	1/50LF/Lane	Hours	861	\$ 108	\$ 92,988
SUBTOTAL							\$ 97,023
Hot Mix Asphalt							
Blended Aggregate	Aggregate Gradation	AASHTO T27	750 Tons or Day	Each	5	\$ 135	\$ 675
Blended Aggregate	Aggregate Gradation	CT384 if RAP used	750 Tons or Day	Each		\$ 2,788	\$ -
Fine & Coarse Aggregate	% of crushed particles coarse and fine	AASHTO T335	1 / per 10,000 tons or 2 per project (whichever is greater)	Each	2	\$ 165	\$ 330
Coarse Aggregate	Los Angeles Rattler (max)	AASHTO T96	1 per 10,000 tons or 2 per project (whichever is greater)	Each	2	\$ 215	\$ 430
Fine Aggregate	Sand equivalent (min)	AASHTO T176	750 Tons or Day	Each	5	\$ 115	\$ 575
Blended Aggregate	Aggregate moisture	AASHTO T255	750 Tons or Day	Each	5	\$ 35	\$ 175
Coarse Aggregate	Flat and elongated particles (max)	ASTM D4791	1 per 10,000 tons or 2 per project (whichever is greater)	Each	2	\$ 190	\$ 380
Fine Aggregate	Fine aggregate angularity (min)	AASHTO T304, Method A	1 per 10,000 tons or 2 per project (whichever is greater)	Each	2	\$ 190	\$ 380
Fine Aggregate	Durability Index	AASHTO T210	1 per 3000 tons but not less than 1 per paving day	Each	5	\$ 265	\$ 1,325
RAP	Binder content (% within ave. value)	AASHTO T164	1/1000 tons	Each	2	\$ 325	\$ 650
RAP	Specific Gravity (within ave.)	AASHTO T209	1/1000 tons	Each	2	\$ 200	\$ 400
HMA	Asphalt binder content (%)	AASHTO T308A	750 Tons or Day	Each	5	\$ 5	\$ 25
HMA	HMA moisture content (% , max)	AASHTO T329	1 per 2,500 tons but not less than 1 per paving day	Each	5	\$ 115	\$ 575
HMA	Air void content(%)	AASHTO T269	1/4,000 tons or 2/5 pave days (whichever is greater)	Each	2	\$ 250	\$ 500
HMA	VMA (min)(LAB produced)	SP-2	1 per 10,000 tons or 2 per project (whichever is greater)	Each	2	\$ 250	\$ 500
HMA	VMA (min)(PLANT produced)	SP-2	II	Each	2	\$ 250	\$ 500
HMA	Dust proportion	SP-2	II	Each	2	\$ 250	\$ 500
HMA	Density of Core	CT 375	2 per paving day	Each	10	\$ 60	\$ 600
HMA	Nuc Gauge Density	CT 375	3 per 250 tons or 3 per paving day, whichever is greater	Hours	40	\$ 108	\$ 4,320
HMA	Hamburg wheel track (min number of passes at 0.5-inch rut depth)	AAASTO T324	1/10,000 tons or 1/proj (whichever is greater)	Each	1	\$ 1,495	\$ 1,495
HMA	Hamburg wheel track (min number of passes at inflection point)	AAASTO T324	1/10,000 tons or 1/proj, (whichever is greater)	Each	1	\$ 1,495	\$ 1,495
Asphalt	Asphalt binder (hold-QA only)	Various	Daily if over 300 Ton/day	Hours	40	\$ 108	\$ 4,320
SUBTOTAL							\$ 20,150

<u>MATERIAL</u>	<u>TEST</u>	<u>TEST NO.</u>	<u>FREQUENCY</u>	<u>TIME/VOLUME</u>	<u>EST. QUANTIT Y</u>	<u>COST \$/UNIT</u>	<u>TOTAL COST \$</u>
48" & 120" Diameter Cast-In-Drilled Hole Concrete Piling							
PRELIM: Coarse Aggregate	Sieve Analysis	California Test 202	1/mix	Est.2 (wet & dry)	2	\$ 135	\$ 270
PRELIM: Coarse Aggregate	Cleaness Value	California Test 227	1/mix	Est.2 (wet & dry)	2	\$ 130	\$ 260
PRELIM: Coarse Aggregate	LA Rattler	California Test 211	1/mix	Est.2 (wet & dry)	2	\$ 215	\$ 430
PRELIM: Fine Aggregate	Organic Impurities	California Test 213	1/mix	Est.2 (wet & dry)	2	\$ 95	\$ 190
PRELIM: Fine Aggregate	Durability	California Test 229	1/mix	Est.2 (wet & dry)	2	\$ 215	\$ 430
PRELIM: Fine Aggregate	Sand Equivalent	California Test 217	1/mix	Est.2 (wet & dry)	2	\$ 115	\$ 230
PRELIM: Fine Aggregate	Sieve Analysis	California Test 202	1/mix	Est.2 (wet & dry)	2	\$ 135	\$ 270
PRELIM: Fine Aggregate	Mortar Strength	California Test 515	1	Est. 1	1	\$ 380	\$ 380
PRELIM: Blended Aggregate	Spec Grav & Absp - Coarse/Fine Agg	CT 206 & 207	1/mix	Est.2 (wet & dry)	2	\$ 130	\$ 260
PRELIM: Blended Aggregate	Soundness	California Test 214	1/mix	Est.2 (wet & dry)	2	\$ 365	\$ 730
PRELIM: Blended Aggregate	Sieve Analysis	California Test 202	1/mix	Est.2 (wet & dry)	2	\$ 135	\$ 270
Coarse Aggregate	Sieve Analysis	California Test 202	1/day	Est.6 Days all 6 48" & 2 D/120"	12	\$ 135	\$ 1,620
Coarse Aggregate	Cleaness Value	California Test 227	1/day	Est.6 Days all 6 48" & 2 D/120"	12	\$ 130	\$ 1,560
Coarse Aggregate	LA Rattler	California Test 211	2	2	2	\$ 215	\$ 430
Fine Aggregate	Sand Equivalent	California Test 217	1/day	Est.6 Days all 6 48" & 2 D/120"	12	\$ 115	\$ 1,380
Fine Aggregate	Sieve Analysis	California Test 202	1/day	Est.6 Days all 6 48" & 2 D/120"	12	\$ 135	\$ 1,620
Blended Aggregate	Sieve Analysis	California Test 202	1/day	Est.6 Days all 6 48" & 2 D/120"	12	\$ 135	\$ 1,620
Cement/Flyash	Accepted with COC	--	1/day	--	--	--	\$ -
Fresh Concrete	Unit Weight	California Test 518	1/mix	4	4	\$ -	\$ -
Fresh Concrete	Slump	ASTM C143	1/day	Est.6 Days all 6 48" & 2 D/120"	12	\$ -	\$ -
Fresh Concrete	Compressive Strength	521/540	8 Cylinders/day	Est.6 Days all 6 48" & 2 D/120"	96	\$ 30	\$ 2,880
Concrete Technician	Concrete Sampling	Senior Technician		Hours	96	\$ 108	\$ 10,368
SUBTOTAL							\$ 25,198
Structural Concrete Bridge							
PRELIM: Coarse Aggregate	Sieve Analysis	California Test 202	1/mix	Est. 2	2	\$ 135	\$ 270
PRELIM: Coarse Aggregate	Cleaness Value	California Test 227	1/mix	Est. 2	2	\$ 130	\$ 260
PRELIM: Coarse Aggregate	LA Rattler	California Test 211	1/mix	Est. 2	2	\$ 215	\$ 430
PRELIM: Fine Aggregate	Organic Impurities	California Test 213	1/mix	Est. 2	2	\$ 95	\$ 190
PRELIM: Fine Aggregate	Durability	California Test 229	1/mix	Est. 2	2	\$ 265	\$ 530
PRELIM: Fine Aggregate	Sand Equivalent	California Test 217	1/mix	Est. 2	2	\$ 115	\$ 230
PRELIM: Fine Aggregate	Sieve Analysis	California Test 202	1/mix	Est. 2	2	\$ 135	\$ 270
PRELIM: Blended Aggregate	Spec Grav & Absp - Coarse/Fine Agg	CT 206 & 207	1/mix	Est. 2	2	\$ 130	\$ 260
PRELIM: Blended Aggregate	Soundness	California Test 214	1/mix	Est. 2	2	\$ 365	\$ 730
PRELIM: Blended Aggregate	Sieve Analysis	California Test 202	1/mix	Est. 2	2	\$ 135	\$ 270
Coarse Aggregate	Sieve Analysis	California Test 202	1/day	Est. 14 d	14	\$ 135	\$ 1,890
Coarse Aggregate	Cleaness Value	California Test 227	1/day	Est. 14 d	14	\$ 130	\$ 1,820
Coarse Aggregate	LA Rattler	California Test 211	4	4	4	\$ 215	\$ 860
Fine Aggregate	Sand Equivalent	California Test 217	1/day	Est. 14 d	14	\$ 115	\$ 1,610
Fine Aggregate	Sieve Analysis	California Test 202	1/day	Est. 14 d	14	\$ 135	\$ 1,890
Blended Aggregate	Sieve Analysis	California Test 202	1/day	Est. 14 d	14	\$ 135	\$ 1,890
Cement/Flyash	Accepted with COC	--	1/day	--	--	--	\$ -
Fresh Concrete	Unit Weight	California Test 518	4	4	4	.l. in hrs total	\$ -
Fresh Concrete	Slump	ASTM C143	1/day	Est. 14 d	14	.l. in hrs total	\$ -
Fresh Concrete	Compressive Strength	California Test 521/540	8 Cylinders/day	Est. 14 d	112	\$ 30	\$ 3,360
Concrete Technician	Concrete Sampling	Senior Technician		Hours	112	\$ 108	\$ 12,096
SUBTOTAL							\$ 28,856

<u>MATERIAL</u>	<u>TEST</u>	<u>TEST NO.</u>	<u>FREQUENCY</u>	<u>TIME/VOLUME</u>	<u>EST. QUANTIT Y</u>	<u>COST \$/UNIT</u>	<u>TOTAL COST \$</u>
Structural Concrete Approach Slab							
Coarse Aggregate	Sieve Analysis	California Test 202	1/day	Est. 2	2	\$ 135	\$ 270
Coarse Aggregate	Cleanness Value	California Test 227	1/day	Est. 2	2	\$ 130	\$ 260
Fine Aggregate	Sand Equivalent	California Test 217	1/day	Est. 2	2	\$ 115	\$ 230
Fine Aggregate	Sieve Analysis	California Test 202	1/day	Est. 2	2	\$ 135	\$ 270
Blended Aggregate	Sieve Analysis	California Test 202	1/day	Est. 2	2	\$ 135	\$ 270
Fresh Concrete	Slump	ASTM C143	1/day	Est. 2 d	2	in hrs total	\$ -
Fresh Concrete	Compressive Strength	California Test 521/540	8 Cylinders/day	Est. 2 d	16	\$ 30	\$ 480
Concrete Technician	Concrete Sampling	Senior Technician		Hours	16	\$ 108	\$ 1,728
SUBTOTAL							\$ 3,508
Bar Reinforcing Steel Ultimate Butt Splices							
Prequalification Oper/Process	Mechanical & Welded Rebar Splices	California Test 670	N/A			\$ 410	\$ -
Production Tests:#6 hoops	Mechanical & Welded Rebar Splices	California Test 670	6 per lot per size	Est 10 Lots	10	\$ 276	\$ 2,760
Production Tests:#8 hoops	Mechanical & Welded Rebar Splices	California Test 670	8 per lot per size	Est 8 Lots	8	\$ 276	\$ 2,208
Production Tests:# 8 verts	Mechanical & Welded Rebar Splices	California Test 669	6 per lot per size	Est 1 Lots		\$ 472	\$ -
Production Tests:# 9 verts	Mechanical & Welded Rebar Splices	California Test 670	6 per lot per size	Est 1 Lots		\$ 633	\$ -
Production Tests:#11 verts	Mechanical & Welded Rebar Splices	California Test 670	8 per lot per size	Est 1 Lots		\$ 633	\$ -
SUBTOTAL							\$ 4,968
Bar Reinforcing Steel Couplers							
Rebar/Splice Sampling & Delivery	Sr. Technician			Hours	80	\$ 108	\$ 8,640
Prequalification Oper/Process	Mechanical & Welded Rebar Splices	California Test 670	--	--	N/A	--	\$ -
Production Tests: #8 couplers	Mechanical & Welded Rebar Splices	California Test 670	4 per lot per size	Est 2 Lots	2	\$ 472	\$ 943
Production Tests: #9 couplers	Mechanical & Welded Rebar Splices	California Test 670	4 per lot per size	Est 2 Lots	2	\$ 633	\$ 1,265
Production Tests: #11couplers	Mechanical & Welded Rebar Splices	California Test 670	4 per lot per size	Est 2 Lots	2	\$ 633	\$ 1,265
Production Tests: #14couplers	Mechanical & Welded Rebar Splices	California Test 670	4 per lot per size	Est 3 Lots	3	\$ 978	\$ 2,933
SUBTOTAL							\$ 15,046
Project Coordination/Consultation/Reporting							
Travel Time				Hours	450	\$ 75	\$ 33,750
Principal Engineer/Geologist/Consultant				Hours	12	\$ 195	\$ 2,340
Senior Engineer/Construction Services Manager				Hours	75	\$ 170	\$ 12,750
Mileage				Mile	3000	\$ 0.56	\$ 1,680
Nuclear Gauge				Day	75	\$ 35	\$ 2,625
Field Vehicle				Day	100	\$ 50	\$ 5,000
SUBTOTAL							\$ 58,145

Notes:

- California Prevailing Wages apply.
- This estimate is provided for budgetary purposes only and is not a lump sum not to exceed cost. Billing will be for actual services provided.
- Added charges will be charged in accordance with the NV5 2021 Schedule of Fees.
- Hourly Inspection & Testing Rate reduced at County request. Labor rates will escalate, effective July 1 annually, at rate equal to percent increase in State-Determined Prevailing Wage increase. (Increase for July 1, 2021 = +3.14% = +\$3.40, Future increase dependent on Cal. DIR increases.

TOTAL = \$ 375,243

2021 GEOTECHNICAL / MATERIAL TESTING FEE SCHEDULE

GENERAL TERMS & CONDITIONS

Testing Samples - An hourly preparation charge will be added to all samples submitted that are not ready for testing.

Turn-Around-Time - Standard TAT indicated in superscript. See notes regarding TAT at bottom of page 3.

RUSH: 50% surcharge. Sample prioritized over other samples in que.

PRIORITY: 100% surcharge: Completed as fast as possible per method.

Project Setup - A \$180 fee applies for setup and administration of On-Call agreements and contracts less than \$3,000.

Scheduling - A minimum of 24-hour notice is required to schedule personnel (48-hour for DSA/OSHPD projects). For same-day scheduling, a 50% premium applies. Same-day cancellations will incur a 2-hour charge. Cancellation after field personnel have been dispatched will be charged a 4-hour minimum charge.

Minimum Charges - A minimum charge of 4 hours applies to inspection/testing call-out between 0 and 4 hours. Eight (8) hours will be charged for work performed over 4 hours up to 8 hours. Overtime charges will be rounded to the nearest half hour. Project time a

Overtime Rates - Rates are based on an 8-hour workday between the hours of 7:00 a.m. and 4:00 p.m., Monday through Friday. Work outside of these hours or in excess of 8 hours in one day or over 40 hours in one week will be charged at 1.5 times the listed rates. Work over 12 hours in one day or work on holidays will be charged at 2.0 times quoted rates.

Holidays - New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day and the following Friday, and

Christmas Day. For holidays falling on Saturday or Sunday, the closest regular workday will be observed.

Travel - Hourly travel is charged portal-to-portal for technicians. Travel charges are normally waived for special inspectors within 25 miles of our laboratory. Mileage/Trip Charges charged at rates listed below.

Per Diem - Per diem will be charged at 1.15 times the Federal (GSA) rate for all out-of-town assignments unless otherwise arranged.

Project Management & Report Distribution - All assignments are under the supervision of a Registered Professional Engineer. Engineering time of 0.1 hour per inspection day or 1/2-hour/week (min) will be included for scheduling, management, report review, and data evaluation.

Outside Services / Drillers-CPT / Subcontractors - Cost plus 15%.

Prevailing Wage - Client shall notify NV5, in writing, of any requirement for payment of California Prevailing Wage or other predetermined wage condition. Client agrees to indemnify NV5 against all costs related Client's failure to notify NV5 of predetermined wage requirements.

Sample Disposition - Unless previously arranged, all samples will be disposed of upon completion of testing. Any samples suspected of contamination held pending disposition by Client. If requested, retained samples may be archived for a specified period for an agreed monthly fee - typically \$5/mo per ring/tube sample, \$10/mo AC box, \$15/mo bulk.

Certified Payroll - A \$65 per week, per project processing fee for Certified Payroll will be assessed on Prevailing Wage Projects.

Escalation - Listed rates are subject to annual escalation in accordance with NV5 Ventura's published annual Fee Schedule.. Updated Fee Schedules will be published annually and become effective January 1.

I. PROFESSIONAL, TECHNICAL, & SUPPORT STAFF

(Hourly rates unless otherwise indicated. Charges are portal-to portal from/to NV5's lab)

A. Professional Staff	Standard
Principal Engineer/Geologist/Consultant	\$ 195
Senior Engineer/Geologist/Consultant (PE, CEG)	\$ 175
Project Engineer/Geologist/Consultant	\$ 155
Sr. Staff Engineer/Geologist/Consultant	\$ 135
Staff Engineer/Geologist/Consultant	\$ 125
Construction Services Manager	\$ 170
Project Manager	\$ 150

B. Technical Staff	Prevailing Wage	Standard
ICC Special Inspector* I / Soil-Asphalt-ACI Technician I	\$ 109	\$ 75
ICC Special Inspector* II / Soil-Asphalt-ACI Technician II	\$ 114	\$ 90
ICC Special Inspector* III / Soil-Asphalt-ACI Technician III	\$ 119	\$ 105
<i>* Concrete, P/T Concrete, Masonry, Structural Steel, Bolting, Fireproofing, Pile Driving</i>		
AWS Certified Welding Inspector I	\$ 114	\$ 85
AWS Certified Welding Inspector II	\$ 119	\$ 100
Roofing/Waterproofing Inspector I	\$ 114	\$ 95
Roofing/Waterproofing Inspector II	\$ 119	\$ 95
NDT Technician I (UT/Mag Part./Dye Pen.)	\$ 114	\$ 95
NDT Technician II (UT/Mag Part./Dye Pen.)	\$ 124	\$ 105

C. Public Works/DSA/OSPHD Inspection	Standard
Project Inspector / OSHPD IOR C, DSA PI III	\$ 100
Project Inspector / OSHPD IOR B, DSA PI II	\$ 110
Project Inspector / OSHPD IOR A, DSA PI I	\$ 120
DSA Masonry / Shotcrete Inspection I	\$ 119 \$ 95
DSA Masonry / Shotcrete Inspection II	\$ 124 \$ 110

D. Sample Pickup, Delivery, Storage & Mileage	Standard
Sample Pickup/Delivery (>25mi. radius of Lab) - plus applicable unit price	\$ 70/hr
Saturday Sample Pickup/Delivery (hourly, 4 hr minimum, plus mileage)	\$ 98/hr
Mileage / Trip Charge - Field Vehicle \$0.60 / mi (\$30/day min. charge)	\$0.60/mi
Mileage - Coring Truck	\$0.75/mi
Vehicle - Field Truck	\$ 55/day

E. Diamond Coring (min. charge = field time w/travel + 1 hr. mob./demob.)	
Machine, truck & 1 operator (accessible flatwork only)	\$220/hr \$ 190/hr
Machine, truck & operator & helper	\$325/hr \$ 280/hr

Coring Bit Charge \$ 3.50/in

F. Support Staff & Special Services	Standard
Laboratory Technician	\$120/hr
Certified Payroll Admin. (0.5 hr min./wk)	\$70/hr
Court Appearance and Depositions (4 hr min)	\$295/hr
Clerical	\$60/hr
Special Inspection Verified Report (SIVR/VR)	\$ 245 (min.) ea.
Laboratory / Geotech. Verified Rpt (DSA 291/293 - Test only)	\$ 425 (min.) ea.
Combined Lab Verified Report (DSA 291 - Tests & Inspections)	\$ 585 (min.) ea.
DSA 5 SI (Inspector Qualifications)	\$ 75 ea.

II. MATERIALS AND EQUIPMENT

A. Equipment	Rate
1. Air Meter (Concrete)	\$ 50/dy
2. Asphalt Patch (cold patch / cutback) - per bag	\$ 45/dy
3. Calibrated Ram (Pull test)	\$ 95/dy
4. Ceiling Wire Dead-Weight Equip.	\$ 160/dy
5. Coating Thickness Gauge	\$ 95/dy
6. Concrete Slab Moisture Emission Kit / RH Probe (ea.)	\$ 75/ea
7. Floor Flatness (plus labor - 4hr min)	\$ 575/dy
8. Durometer Gauge (Shore A/D)	\$ 55/dy
9. Dynamic Cone Penetrometer (Wildcat w/ 35 lb hammer)	\$ 495/dy
10. Generator (Portable)	\$ 95/dy
11. Ground Penetrating Radar (GPR) - (plus labor - 4 hr min)	\$ 400/dy
12. Hardness Gauge (Brinell, Rockwell)	\$ 115/dy
13. Non-Shrink High-Strength Grout (per bag)	\$ 45/dy
14. Nuclear Gauge	\$ 35/dy
15. Pachometer (Rebar) Survey Equipment	\$ 95/dy
16. Peristaltic Groundwater Sampling Pump	\$ 200/dy
17. Portable Generator	\$ 90/dy
18. Scaffold - Portable	\$ 105/dy
19. Schmidt Hammer	\$ 65/dy
20. Skidmore Wilhelm, per day	\$ 210/dy
21. Torque Wrench (Large, >100 ft-lb), per day	\$ 85/dy
22. Torque Wrench (Small), per day	\$ 25/dy
23. Ultrasonic / Mag. Particle Equipment & Consumables	\$ 75/dy

III. LAB TESTS: AGGREGATE, SOIL, & STONE

A Soils - Geotechnical

1. Atterberg Limits (LL and PL) – ASTM D4318, CTM 204 ^B	\$ 195
2. Consolidation (up to 9 Load/Rebound Pts) – ASTM D2435 ^E	\$ 340
3. Collapse – ASTM D4546 ^B	\$ 165
4. additional Load Increment (Consol./Collapse) – per pt.	\$ 65
5. Direct Shear, remolded sample – ASTM D3080 ^D	\$ 300
6. Direct Shear, undisturbed (ring) sample – ASTM D3080 ^D	\$ 250
7. Expansion Index – ASTM D4829 ^B	\$ 195
8. Moisture & Dry Density (ring samples) ^A	\$ 22
9. Permeability, Constant Head – remolded - ASTM D2434, CT 220 ^D	\$ 445
10. pH (soil) – ASTM D4972 ^C	\$ 35
11. Resistivity – ASTM G57 ^C	\$ 60
12. Resistivity (Minimum) – CTM 643 ^C	\$ 155
13. Soil Classification – ASTM D2488 – Visual-Manual ^A	\$ 45
14. Soluble Chloride (soils) ^C	\$ 80
15. Soluble Sulfate (soils) ^C	\$ 80
16. Unconfined compression on prepared specimens	\$ 140

B Particle Size Analysis

1. Sand equivalent (ASTM D2419, CTM 217) ^A	\$ 115
2. Sieve #200 wash only (ASTM D1140, CTM 202) ^A	\$ 95
3. Sieve (coarse or fine only, no wash – ASTM C136, CTM 202) ^A	\$ 105
4. Sieve (coarse & fine w/ wash – ASTM C136, CTM 202) ^A	\$ 135
5. Hydrometer w/ Fine Sieve (ASTM D422, CTM 203) ^B	\$ 215
6. Hydrometer w/ Fine & Coarse Sieve (ASTM D422, CTM 203) ^B	\$ 245

C Moisture Density Relationship

1. Max. Density-Opt. Moisture (4 in. mold) – ASTM D1557, D698 ^A	\$ 215
2. Max. Density-Opt. Moisture (6 in. mold) – ASTM D1557, D698 ^A	\$ 265
3. Max. Density-Opt. Moist. w/ Rock Corr. – ASTM D1557, D4718 ^A	\$ 315
4. Maximum Density Checkpoint (4 in. mold) ^A	\$ 95
5. Caltrans Relative Compaction (Wet Density) – CTM 216 ^A	\$ 285

D Aggregate, Soil & Rock

1. Abrasion Resistance by LA Rattler – ASTM C131, CTM 211 ^B	\$ 215
2. Absorption, sand or gravel – ASTM C127, C128 ^B	\$ 60
3. California bearing ratio (CBR) with expansion – ASTM D1883 ^C	\$ 410
4. Clay lumps and friable particles, per primary size – ASTM C142 ^C	\$ 115
5. Cleanness Test – ASTM D4740, CTM 227 ^A	\$ 130
6. Crushed particles, per primary size ^C	\$ 165
7. Durability Index (\$120 per size fraction) – CTM 229 ^A	\$ 215
8. Flat & Elongated Particles (per bin size) – ASTM D4791 ^C	\$ 190
9. Lightweight pieces, per size fraction – ASTM C123 ^C	\$ 400
10. Moisture determination (aggregate samples) ^A	\$ 35
11. Mortar making properties of Sand ASTM C87 ^D	\$ 380
12. Organic Impurities – ASTM C40, CTM 213 ^B	\$ 95
13. Petrographic Analysis of Gravel – ASTM C295 (single grading) ^E	\$ 450
14. Petrographic Analysis of WC Sand – ASTM C295 (pre-graded) ^E	\$ 850
15. Potential Reactivity Test ASTM C289 Chemical Method ^D	\$ 495
16. Potential Reactivity ASTM C227 Mortar Bar Method (3 month) ^E	\$ 785
Each additional month	\$ 118
17. Potential Reactivity Test ASTM C1260 Rapid Method ^E	\$ 625
18. Potential Reactivity ASTM C1293 Mortar Bar w/ Pozz (12 month) ^E	\$ 1600
Extend to 24-months add (C1293 requires Sp.Grav. & Unit Weight)	\$ 800
19. Potential Reactivity Test ASTM C1567 Rapid-Cement Combo ^E	\$ 760
20. 'R' Value - ASTM D2844, CT 301 (Treated material by quote) ^B	\$ 315
21. Specific gravity w/ absorption - coarse (ASTM C127, CTM 206) ^B	\$ 110
22. Specific gravity w/ absorption - fine (ASTM C128, CTM 207) ^B	\$ 130
23. Sulfate Soundness, 5 cycle test per primary size – ASTM C88 ^D	\$ 365
24. Thermal Resistivity of Soil (including 1 proctor curve)	\$ 1030
25. Uncompacted Void Content of Fine Aggregate – AASHTO T304 ^B	\$ 175
26. Unit weight – ASTM C29	\$ 72

E Soil-Cement / CTB Tests

1. Lime Treatment: pH by Eades & Grim – ASTM D62676 ^B	\$ 345
2. Lime Treatment: Fabrication & Compaction (3) – ASTM D3551 ^B	\$ 425
3. Lime Treatment: Compressive Strength (ea) – ASTM D5102 ^B	\$ 105
4. Soil Cement – Moist.-Dens. - ASTM D558 – Lab Mixed ^B	\$ 395
5. Soil Cement – Moist.-Dens. - ASTM D558 – Field Mixed ^C	\$ 295
6. Soil Cement – Wet-Dry Durability – ASTM D559 ^E	\$ 940
7. Soil Cement – Freeze-Thaw Durability – ASTM D560 ^E	\$ 1100
8. Soil Cement – Mix, Compact & Cure Specimen – ASTM D1632 ^A	\$ 125
9. Soil Cement – Compressive Strength - ea sample – ASTM D1633 ^A	\$ 115
10. Cement Treated Base (CTB), compact & cure ^E	\$ 425
11. Cement Treated Base – Compression (ea)	\$ 105
12. Cement Treated Base – Stability (3)	\$ 525

F Rip Rap / Rock Slope Protection / Dimensional Stone Tests

1. Rock Gradation ^D	hourly engineering charge (per quote)
2. Absorption / Apparent Specific Gravity – ASTM C127, CTM 206 ^D	\$ 125
3. Durability – CTM 229 ^D	\$ 265
4. Percentage Wear – ASTM C131 ^D	\$ 225
5. Compressive Strength – ASTM C170 ^D	\$ 135
6. Water Absorption & Density – ASTM C97 (3 required) ^D	\$ 85
7. Modulus of Rupture – ASTM C99 ^D	\$ 145
8. Flexural Strength – ASTM C880 ^D	\$ 165
9. Sulfate Soundness – ASTM D5240 (5 cycle) ^E	\$ 425
10. Sample Preparation (cutting/crushing/processing – 1 hr min)	\$ 185/hr
<i>(Comp., MOR & Flex Str. require 5 samples ea. in wet & dry conditions // & ⊥ to rift.)</i>	
<i>(All prices are for prepared samples. Cutting and machining charges are extra.)</i>	

IV. LAB TESTS: CEMENT, CONCRETE, & MASONRY

A Cement

1. Grab sample (CCR Title 24) includes 1 year storage	\$ 75
2. Compression Test – High Strength Grout 2" cube – ASTM C109	\$ 60

B Concrete

1. Concrete compression: 6x12 cylinder – ASTM C39 ^A	\$ 30
2. Concrete compression: 4x8 cylinder – ASTM C39 ^A	\$ 25
3. Concrete cylinder pickup: 6x12 (>25mi. radius of Lab add hourly pickup rate)	\$ 18
4. Concrete cylinder pickup: 4x8 (>25mi. radius of Lab add hourly pickup rate)	\$ 14
5. Concrete cylinder mold (w/ lid - spare)	\$ 10
6. Concrete core compression test – ASTM C42 ^C	\$ 75
7. Concrete Trial Batch (includes 6 compression tests)	\$ 845
8. Concrete Mix Design Review (excludes testing & revisions)	\$ 265
9. Concrete mix proportion revision	\$ 185
10. Density of concrete cylinder (unit weight) ^C	\$ 95
11. Drying shrinkage – ASTM C157 (set of 3, 5 ages) ^E	\$ 550
12. End preparation of cores, diamond sawing, per cut	\$ 22
13. Flexural beam pick-up (>25mi. radius of Lab add hourly pickup rate)	\$ 45
14. Flexural strength, 6"x6" beam – ASTM C78 & C293 ^A	\$ 85
15. Shotcrete/Gunite core compression test (not including coring)	\$ 55
16. Coring of Shotcrete/Gunite panel in laboratory, each core	\$ 65
17. Shotcrete/Gunite panel pick-up (>25mi. radius of Lab add hourly pickup rate)	\$ 80
18. Lab trial batch, not including specimen tests - ASTM C192	Per Quote
19. Lightweight, insulating concrete compress, 4 req. – ASTM C495	\$ 85
20. Lightweight insulating concrete – unit weight (oven dry)	\$ 105
21. Modulus of elasticity, 4"x8" cylinder – ASTM C469 ^D	\$ 265
22. Non-Shrink (Dry-Pack) Grout Compression – 2"x2"x2"	\$ 55
23. Petrographic Analysis - Hardened Concrete – ASTM C856 (per core) ^E	\$ 1035
24. Poisson's Ratio on 6"x12" cylinders – ASTM C469 ^D	Per Quote
25. Splitting tensile – ASTM C496 ^D	\$ 195
26. Thermal Resistivity – Concrete - FTB	\$ 1000

C Masonry

1. Absorption - brick, 5 required – ASTM C67 ^D	\$ 75
2. Absorption - masonry unit, 3 required – ASTM C140 ^D	\$ 60
3. Compression, brick, 5 required – ASTM C67 ^D	\$ 50
4. Compression - masonry core ^C	\$ 55
5. Compression - masonry prisms 8"x 8" – ASTM C1314 ^D	\$ 175
6. Compression - masonry unit, 3 required – ASTM C140 ^D	\$ 90
<i>(requires absorption/unit weight tests for net area)</i>	
7. Dimensions – masonry unit, 3 required ^D	\$ 55
8. Compression test, grout specimens	\$ 40
9. Compression test, mortar specimens	\$ 40
10. Diamond sawing of masonry specimens, if required (minimum)	\$ 30
11. Efflorescence	\$ 345
12. Linear shrinkage, masonry unit, set of 3 – ASTM C426 ^E	\$ 495
13. Masonry Unit Acceptance Tests – ASTM C140 ^D	\$ 625
<i>(includes absorption, compression, dimensions, unit weight)</i>	
14. Mortar Aggregate Ratio – ASTM C780 (A4) ^B	\$ 345
15. Modulus of rupture, brick, 5 required – ASTM C67 ^D	\$ 115
16. Moisture content - masonry unit (as received), 3 req'd – ASTM C140 ^D	\$ 50
17. Relative Mortar Strength - CTM 515 ^D	\$ 445
18. Sample Pickup – Grout, Mortar (per specimen)	\$ 30
19. Sample Pickup – Masonry Prism (per specimen)	\$ 80
20. Shear test on masonry core – CBC 2105A.4 ^B	\$ 115
21. Tensile test on masonry block	\$ 445
22. Unit weight, masonry unit, 3 required – ASTM C140 ^D	\$ 60
23. Veneer Shear Test – ASTM C482 ^D (5 required)	\$ 200
24. Visual Examination & Photo-Document Core – CBC 2105A.4 ^B	\$ 50

V. LAB TESTS: REINFORCING & STRUCTURAL STEEL

A General Testing

1. Processing mill certification (each size & heat)	\$20 ea.
2. Rockwell or Brinell Hardness, average of three readings	\$35 ea.
3. Zinc coating, each item (includes Haz Mat Fee) ^C	\$215

B Reinforcing Steel

1. Deformation, reinforcing steel ^C	\$60
2. Pre-stress, strand or wire, tensile & elongation ^D	Per Quote
3. Proof test on post-tension assembly	Per Quote
4. Bend Test (rebar) ^C	\$65
5. Tensile test (rebar), up to & including #8 ^C	\$65
6. Tensile test (rebar) #9, #10, #11 ^D	\$125
7. Tensile test (rebar) #14, #18 ^D	\$205
8. Rebar Mechanical Coupler (Tension) Test (up to #11 bar) ^D	\$215

C Structural Steel

1. Cutting & machining charges	cost + 15%
2. Bend test, structural, all sizes	\$75
3. Tensile test, structural, $\lt;3/4\text{''}$ cross-section (cutting & machining extra)*	\$75
4. Tensile test, structural, >math>\gt;3/4\text{''}</math> cross-section (cutting & machining extra)*	\$125
5. Flattening test of pipe	\$65
<i>*Tensile and yield by percent offset, add \$85</i>	

D High Strength Bolts

1. DSA-Certified High Strength Bolt Set ea. (Bolt, Nut, & Washer) ^D	\$ 335
2. Bolts – proof load (non-DSA) ^D	\$ 45
Bolts – ultimate load ^D	\$ 65
Bolts – hardness ^D	\$ 35
3. Nuts – proof load ^D	\$ 45
Nuts – hardness ^D	\$ 35
4. Washers – hardness ^D	\$ 35

VI. MISCELLANEOUS CONSTRUCTION MATERIALS TESTS

1. Calibration Certificates	Per Quote
2. Density of Sprayed Fireproofing	\$85
3. Roof Tile Strength	\$95
4. Roof Tile Absorption	\$75
5. Roof Cut Tests (total weight only)	\$85
6. Jobsite Trailer or Mobile Laboratory	Per Quote
7. Universal Testing Machine (Hourly)	\$225
8. Ground Rod Test (plus travel)	\$225

VII. ASPHALT & ASPHALTIC CONCRETE

A. Emulsions And Slurry Seals

1. Consistency test – ASTM D3910 ^A	\$95
2. pH determination ^B	\$75
3. Oven cook off (% residue) ^A	\$100
4. Solids content by evaporation and ignition extraction (slurry) ^A	\$245
5. Wet Track Abrasion – ASTM D3910 (prep. not included) ^A	\$160

B. Asphaltic Concrete, Aggregate And Mixes

1. Bulk Specific Gravity (HVEEM – 3 pt. LTMD) CT308 / T166 ^A	\$225
2. Coring of asphaltic concrete – See Section E Diamond Coring	
3. Extraction, % bitumen and sieve analysis	
Ignition Oven Method – CTM 382, 202 ^A	\$245
Solvent Extraction Method – ASTM D2172 ^B	\$415
4. Extraction, % bitumen only	
Ignition Oven Method – CTM 382 ^A	\$175
Solvent Extraction Method – ASTM 2172 ^B	\$325
5. Film stripping – CTM 302 ^C	\$165
6. Gyrotory Compaction, 6” specimen, Lab Mix* – AASHTO T312 ^B	\$360
7. Gyrotory Compaction, 6” specimen, Plant Mix* – AASHTO T312 ^B	\$310
<i>* Add \$110 for Asphalt Rubber</i>	
8. Hamburg Wheel Track – AASHTO T324 ^B	\$1,495
9. Ignition Oven Correction Factor – CTM 382 ^B	\$650
10. Marshall – Preparation & Compaction ^A	\$210
11. Marshall - Stability and flow (core) – ASTM D6927 ^A	\$130
12. Marshall - Stability and flow (bulk) – ASTM D6927 ^B	\$330
13. Marshall - Specific Gravity – ASTM D2926 ^A	\$230
14. Theoretical Maximum Specific Gravity (RICE) – D-2041, CT 309 ^A	\$200
15. Moisture content – ASTM D-1461 ^A	\$115
16. Recovery of Extracted Asphalt (extraction only) - ASTM D5404 ^D	\$250
17. Recovery of rubber from ARHM extraction ^D	\$315
18. Specific gravity of core – ASTM D2726 ^A	\$60

19. HVEEM Stabilometer test on premixed sample – CTM 366 ^A	\$185
Stabilometer test and mixing of sample ^B	\$400
20. Surface Abrasion – CTM 360 ^C	\$525
21. Resistance to Moisture Induced Damage – T-283 ^D	\$2,650
22. Resistance to Moisture Induced Damage – CT 371 ^D	\$1,850

NOTE: Where prices are listed for mix proportions, the necessary specific gravity tests and sieve analyses are included; however, aggregate and asphalt qualification tests are not.

A,B,C,D,E **Standard Turn-Around-Times:** (where applicable TAT indicated in superscript following method):

A – 3 working days; B – 5 working days; C – 7 working days;
D – 10 working days; E – >10 working days

Standard TAT indicates anticipated testing time under typical conditions and is subject to availability and precedence. RUSH TAT prioritizes testing over other samples. PRIORITY TAT dedicates technician to complete test as quickly as possible per the method specifications – hourly charges will apply for weekend or holiday work.

ADDITIONAL TESTS: NV5 performs a broad spectrum of field and laboratory testing. This Fee Schedule lists only the most common tests performed. For information regarding additional testing services, please contact our laboratory.



**COUNTY OF SANTA BARBARA
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DIVISION**

620 West Foster Road
Santa Maria, California 93455
(805) 803-8750



SCOTT D. MCGOLPIN

Director

2/24/2021

MEMO

To: FILE

RE: Prevailing Wage Cost Escalations

FLORADALE AVE. BRIDGE NO. 51C-0370 OVER
SANTA YNEZ RIVER APPROXIMATELY 0.75 MI
NORTH OF CENTRAL AVE. WEST OF THE CITY OF
LOMPOC IN THE 3RD SUPERVISORIAL DISTRICT
S.B.CO. PROJECT #862032; FED. # BRLSZD-5951(060)

County Staff negotiated a starting rate of \$108/hr is for field technician work (Original cost proposal dated February 5, 2021 was \$114/hr.)

This work is covered by CA DIR Prevailing Wages.

Estimated escalation is 3.14% per year each July per NV5 Contract representative.

Therefore, additional funds shall be added to the contract, *separate from contingency*, as follows:

ESTIMATED COSTS (3.14% ESCALATION/YR)	COST ESTIMATE	HOURLY RATE	ESTIMATED HOURS DURING PERFORMANCE PERIOD	PERFORMANCE PERIOD	
	\$17,728.78	\$108.00	164.155348	4/6/2021	6/30/2021
	\$78,304.80	\$111.39	702.9711375	7/1/2021	6/30/2022
	\$80,763.57	\$114.89	702.9711375	7/1/2022	6/30/2023
	\$83,528.39	\$118.50	704.9023769	7/1/2023	6/30/2024
EST. TOTAL COST W/O ESCALATIONS	\$245,700.00				
EST. TOTAL COST WITH ESCALATIONS	\$260,325.54				
BUDGET FOR ESCALATION=	\$14,625.54				

Therefore the base dollar amount of the Agreement for Services of Independent Contractor with NV5 West, Inc. shall be the sum of the February 23, 2021 cost proposal totaling \$375,243 plus \$14,625 for Prevailing Wage increases, totaling \$389,868. A 5% contingency of \$19,493 will provide for unforeseen costs during the contract performance period.

Sincerely,

Philip D. Gaston, P.E.