

SOLANO COMMUNITY COLLEGE DISTRICT
GOVERNING BOARD AGENDA ITEM

TO: Members of the Governing Board
SUBJECT: CONTRACT AWARD TO NINYO & MOORE FOR
MATERIAL TESTING AND SPECIAL INSPECTION
SERVICES FOR THE FAIRFIELD CAMPUS HYDRONIC
SYSTEM MODERNIZATION - PHASE 1 PROJECT

REQUESTED ACTION:

- Information OR Approval
 Consent OR Non-Consent

SUMMARY:

Board approval is requested to award a professional services contract to Ninyo & Moore for Division of State Architect (DSA) Material Testing and Special Inspection Services for the Hydronic System Modernization – Phase 1 Project on the Fairfield Campus. The scope of work for this contract includes providing all offsite/onsite material testing and special inspections as required by DSA for all construction activities for the Project.

CONTINUED ON THE NEXT PAGE

STUDENT SUCCESS IMPACT:

- Help our students achieve their educational, professional and personal goals
- Basic skills education
- Workforce development and training
- Transfer-level education
- Other: Renovate instructional space and update equipment.

Ed. Code: NA Board Policy: NA Estimated Fiscal Impact: \$84,395.00 Measure Q Funds

SUPERINTENDENT’S RECOMMENDATION: APPROVAL DISAPPROVAL
 NOT REQUIRED TABLE

Susan Wheat
V.P., Finance & Administration

PRESENTER’S NAME

4000 Suisun Valley Road
Fairfield, CA 94534

ADDRESS

(707) 863-7260

TELEPHONE NUMBER

Susan Wheat
V.P., Finance & Administration

VICE PRESIDENT APPROVAL

April 24, 2026

DATE SUBMITTED TO
SUPERINTENDENT-PRESIDENT

Kellie Sims Butler, Ph.D.
Superintendent-President

May 6, 2026

DATE APPROVED BY
SUPERINTENDENT-PRESIDENT

**SOLANO COMMUNITY COLLEGE DISTRICT
GOVERNING BOARD AGENDA ITEM**

TO: Members of the Governing Board

**SUBJECT: CONTRACT AWARD TO NINYO & MOORE FOR
MATERIAL TESTING AND SPECIAL INSPECTION
SERVICES FOR THE FAIRFIELD CAMPUS HYDRONIC
SYSTEM MODERNIZATION PHASE 1 PROJECT**

SUMMARY:

CONTINUED FROM THE PREVIOUS PAGE

A proposal was requested from Ninyo & Moore based upon their qualifications and experience on the District's recent hydronic underground piping projects. Ninyo & Moore is listed on the District's Board Approved DSA Materials Testing & Special Inspection Services Pool. Ninyo & Moore's proposal was reviewed and is fair and reasonable for the scope of work requested for this project.

The Board is asked to approve a professional services contract to Ninyo & Moore in the amount not to exceed \$84,395.00.

Documents are available online at: <https://solano.edu/measureq/approved-contracts.php>

**INDEPENDENT CONSULTANT AGREEMENT FOR PROFESSIONAL SERVICES
MATERIAL TESTING AND SPECIAL INSPECTIONS**

This Independent Consultant Agreement for Professional Services ("Agreement") is made and entered into as of the **6th day of May 2026** by and between the **Solano Community College District**, ("District") and **Ninyo & Moore** ("Consultant"), (together, "Parties").

NOW, THEREFORE, the Parties agree as follows:

1. **Services.** The Consultant shall provide **Material Testing and Special Inspections Services** for the **Hydronic System Modernization – Phase 1 Project** as further described in **Exhibit "A"**, attached hereto and incorporated herein by this reference ("Services").
2. **Term.** Consultant shall commence providing services under this Agreement on May 6, 2026 and will diligently perform as required and complete performance by January 29, 2027, unless this Agreement is terminated and/or otherwise cancelled prior to that time.
3. **Submittal of Documents.** The Consultant shall not commence the Services under this Agreement until the Consultant has submitted and the District has approved the certificate(s) and affidavit(s), and the endorsement(s) of insurance required as indicated below:

<u> X </u>	Signed Agreement
<u> X </u>	Workers' Compensation Certification
<u> X </u>	Insurance Certificates and Endorsements
<u> X </u>	W-9 Form
<u> </u>	Other: _____

4. **Compensation.** District agrees to pay the Consultant for services satisfactorily rendered pursuant to this Agreement a total fee not to exceed **EIGHTY-FOUR THOUSAND THREE HUNDRED AND NINETY-FIVE DOLLARS AND ZERO CENTS (\$84,395.00)**. District shall pay Consultant according to the following terms and conditions:
 - 4.1. Payment for the Work shall be made for all undisputed amounts based upon the delivery of the work product as determined by the District. Payment shall be made within thirty (30) days after the Consultant submits an invoice to the District for Work actually completed and after the District's written approval of the Work, or the portion of the Work for which payment is to be made.
 - 4.2. The schedule of deliverable Services to be produced is as follows:
 - 4.2.1.1. Geotechnical Observation and Compaction Testing: \$12,200.00
 - 4.2.1.2. Reinforced Concrete: \$6,575.00
 - 4.2.1.3. Post Installed Anchors, Anchor Rods & Anchor Bolts: \$3,680.00
 - 4.2.1.4. Structural Steel Welding: \$23,390.00
 - 4.2.1.5. Equipment/ Field Vehicles: \$17,190.00
 - 4.2.1.6. Project Administration Review and Reports: \$11,360.00
 - 4.3. Consultant shall only be paid for the time and effort need to complete the actual scope of services required for this project, which may be less than the total amount noted in Section 4. Compensation. If the total amount noted is not needed to complete the scope of services, any remaining balance shall be retained by the District.
 - 4.4. Billing Rates are listed in **Exhibit "B"**, in case that additional services are requested by the District.

- 4.5. Owner's Allowance: Included in the above fee is an Owner's Allowance for the following price:

TEN THOUSAND DOLLARS AND 00/100 (\$10,000.00)

The above allowance shall only be used by authorization by the District. Consultant shall not bill for or be due any portion of this allowance unless the District has authorized its use. Any unused Owner's Allowance will be returned to the District.

5. **Expenses.** District shall not be liable to Consultant for any costs or expenses paid or incurred by Consultant in performing services for District, except as follows:

- 5.1. Reimbursable expenses will not be allowed and such expenses should be incorporated into billing rates.

6. **Independent Contractor.** Consultant, in the performance of this Agreement, shall be and act as an independent contractor. Consultant understands and agrees that it and all of its employees shall not be considered officers, employees, agents, partner, or joint venture of the District, and are not entitled to benefits of any kind or nature normally provided employees of the District and/or to which District's employees are normally entitled, including, but not limited to, State Unemployment Compensation or Worker's Compensation. Consultant shall assume full responsibility for payment of all federal, state and local taxes or contributions, including unemployment insurance, social security and income taxes with respect to Consultant's employees. In the performance of the work herein contemplated, Consultant is an independent contractor or business entity, with the sole authority for controlling and directing the performance of the details of the work, District being interested only in the results obtained.

7. **Materials.** Consultant shall furnish, at its own expense, all labor, materials, equipment, supplies and other items necessary to complete the services to be provided pursuant to this Agreement.

8. **Performance of Services.**

- 8.1. **Standard of Care.** Consultant represents that Consultant has the qualifications and ability to perform the Services in a professional manner, without the advice, control or supervision of District. Consultant's services will be performed, findings obtained, reports and recommendations prepared in accordance with generally and currently accepted principles and practices of its profession for services to California community college districts.

Consultant shall carefully study and compare all documents, findings, and other instructions and shall at once report to District, in writing, any error, inconsistency, or omission that Consultant or its employees may discover. Consultant shall have responsibility for discovery of errors, inconsistencies, or omissions.

- 8.2. **Meetings.** Consultant and District agree to participate in regular meetings on at least a monthly basis to discuss strategies, timetables, implementations of services, and any other issues deemed relevant to the operation of Consultant's performance of Services.

- 8.3. **District Approval.** The work completed herein must meet the approval of the District and shall be subject to the District's general right of inspection and supervision to secure the satisfactory completion thereof.

- 8.4. **New Project Approval.** Consultant and District recognize that Consultant's Services

may include working on various projects for District. Consultant shall obtain the approval of District prior to the commencement of a new project.

9. **Originality of Services.** Except as to standard generic details, Consultant agrees that all technologies, formulae, procedures, processes, methods, writings, ideas, dialogue, compositions, recordings, teleplays and video productions prepared for, written for, or submitted to the District and/or used in connection with this Agreement, shall be wholly original to Consultant and shall not be copied in whole or in part from any other source, except that submitted to Consultant by District as a basis for such services.
10. **Copyright/Trademark/Patent.** Consultant understands and agrees that all matters produced under this Agreement shall become the property of District and cannot be used without District's express written permission. District shall have all right, title and interest in said matters, including the right to secure and maintain the copyright, trademark and/or patent of said matter in the name of the District. Consultant consents to use of Consultant's name in conjunction with the sale, use, performance and distribution of the matters, for any purpose and in any medium.
11. **Audit.** Consultant shall establish and maintain books, records, and systems of account, in accordance with generally accepted accounting principles, reflecting all business operations of Consultant transacted under this Agreement. Consultant shall retain these books, records, and systems of account during the Term of this Agreement and for five (5) years thereafter. Consultant shall permit the District, its agent, other representatives, or an independent auditor to audit, examine, and make excerpts, copies, and transcripts from all books and records, and to make audit(s) of all billing statements, invoices, records, and other data related to the Services covered by this Agreement. Audit(s) may be performed at any time, provided that the District shall give reasonable prior notice to Consultant and shall conduct audit(s) during Consultant's normal business hours, unless Consultant otherwise consents.
12. **Termination.**
 - 12.1. **For Convenience by District.** District may, at any time, with or without reason, terminate this Agreement and compensate Consultant only for services satisfactorily rendered to the date of termination. Written notice by District shall be sufficient to stop further performance of services by Consultant. Notice shall be deemed given when received by the Consultant or no later than three days after the day of mailing, whichever is sooner.
 - 12.2. **For Cause by District.** District may terminate this Agreement upon giving of written notice of intention to terminate for cause. Cause shall include:
 - 12.2.1. material violation of this Agreement by the Consultant; or
 - 12.2.2. any act by Consultant exposing the District to liability to others for personal injury or property damage; or
 - 12.2.3. Consultant is adjudged a bankrupt, Consultant makes a general assignment for the benefit of creditors or a receiver is appointed on account of Consultant's insolvency.

Written notice by District shall contain the reasons for such intention to terminate and unless within three (3) calendar days after that notice the condition or violation shall cease, or satisfactory arrangements for the correction thereof be made, this Agreement shall upon the expiration of the three (3) calendar days cease and terminate. In the event of this termination, the District may secure the required services from another

Consultant. If the expense, fees, and/or costs to the District exceed the cost of providing the service pursuant to this Agreement, the Consultant shall immediately pay the excess expense, fees, and/or costs to the District upon the receipt of the District's notice of these expense, fees, and/or costs. The foregoing provisions are in addition to and not a limitation of any other rights or remedies available to District.

13. **Indemnification.** To the furthest extent permitted by California law, Contractor shall defend, indemnify, and hold harmless the District, its Governing Board, agents, representatives, officers, consultants, employees, trustees, and volunteers (the "indemnified parties") from any and all claims arising out of, pertaining to, or relating to the negligence, recklessness, or willful misconduct of the Contractor. The District shall have the right to accept or reject any legal representation that Contractor proposes to defend the indemnified parties.

14. **Insurance.**

14.1. The Consultant shall procure and maintain at all times it performs any portion of the Services the following insurance with minimum limits equal to the amount indicated below.

Type of Coverage	Minimum Requirement
Commercial General Liability Insurance , including Bodily Injury, Personal Injury, Property Damage, Advertising Injury, and Medical Payments Each Occurrence General Aggregate	 \$ 1,000,000 \$ 2,000,000
Automobile Liability Insurance - Any Auto Each Occurrence General Aggregate	 \$ 1,000,000 \$ 2,000,000
Professional Liability	\$ 1,000,000
Workers Compensation	Statutory Limits
Employer's Liability	\$ 1,000,000

14.1.1. **Commercial General Liability and Automobile Liability Insurance.** Commercial General Liability Insurance and Any Auto Automobile Liability Insurance that shall protect the Consultant, the District, and the State from all claims of bodily injury, property damage, personal injury, death, advertising injury, and medical payments arising performing any portion of the Services. (Form CG 0001 and CA 0001, or forms substantially similar, if approved by the District.)

14.1.2. **Workers' Compensation and Employers' Liability Insurance.** Workers' Compensation Insurance and Employers' Liability Insurance for all of its employees performing any portion of the Services. In accordance with provisions of section 3700 of the California Labor Code, the Consultant shall be required to secure workers' compensation coverage for its employees. If any class of employee or employees engaged in performing any portion of the Services under this Agreement are not protected under the Workers' Compensation Statute, adequate insurance coverage for the protection of any employee(s) not otherwise protected must be obtained before any of those employee(s) commence performing any portion of the Services.

14.1.3. **Professional Liability (Errors and Omissions).** Professional Liability Insurance as appropriate to the Consultant's profession, coverage to continue through completion of construction plus two (2) years thereafter.

14.2. **Proof of Carriage of Insurance.** The Consultant shall not commence performing any portion of the Services until all required insurance has been obtained and certificates indicating the required coverage have been delivered in duplicate to the District and approved by the District. Certificates and insurance policies shall include the following:

14.2.1. A clause stating: "This policy shall not be canceled or reduced in required limits of liability or amounts of insurance until notice has been mailed to the District, stating date of cancellation or reduction. Date of cancellation or reduction shall not be less than thirty (30) days after date of mailing notice."

14.2.2. Language stating in particular those insured, extent of insurance, location and operation to which insurance applies, expiration date, to whom cancellation and reduction notice will be sent, and length of notice period.

14.2.3. An endorsement stating that the District and its Governing Board, agents, representatives, employees, trustees, officers, consultants, and volunteers are named additional insured under all policies except Workers' Compensation Insurance, Professional Liability, and Employers' Liability Insurance. An endorsement shall also state that Consultant's insurance policies shall be primary to any insurance or self-insurance maintained by District. An endorsement shall also state that there shall be a waiver of any subrogation.

14.2.4. All policies except the Professional Liability, Workers' Compensation Insurance, and Employers' Liability Insurance Policies shall be written on an occurrence form.

14.3. **Acceptability of Insurers.** Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:VII, unless otherwise acceptable to the District.

15. **Assignment.** The obligations of the Consultant pursuant to this Agreement shall not be assigned by the Consultant.

16. **Compliance with Laws.** Consultant shall observe and comply with all rules and regulations of the governing board of the District and all federal, state, and local laws, ordinances and regulations. Consultant shall give all notices required by any law, ordinance, rule and regulation bearing on conduct of the Work as indicated or specified. If Consultant observes that any of the Work required by this Contract is at variance with any such laws, ordinance, rules or regulations, Consultant shall notify the District, in writing, and, at the sole option of the District, any necessary changes to the scope of the Work shall be made and this Contract shall be appropriately amended in writing, or this Contract shall be terminated effective upon Consultant's receipt of a written termination notice from the District. If Consultant performs any work that is in violation of any laws, ordinances, rules or regulations, without first notifying the District of the violation, Consultant shall bear all costs arising therefrom.

17. **Certificates/Permits/Licenses.** Consultant and all Consultant's employees or agents shall secure and maintain in force such certificates, permits and licenses as are required by law in connection with the furnishing of Services pursuant to this Agreement.

18. **Employment with Public Agency.** Consultant, if an employee of another public agency, agrees that Consultant will not receive salary or remuneration, other than vacation pay, as an employee of another public agency for the actual time in which services are actually being performed pursuant to this Agreement.

19. **Anti-Discrimination.** It is the policy of the District that in connection with all work

performed under Contracts there be no discrimination against any employee engaged in the work because of race, color, ancestry, national origin, religious creed, physical disability, medical condition, marital status, sexual orientation, gender, or age and therefore the Consultant agrees to comply with applicable Federal and California laws including, but not limited to the California Fair Employment and Housing Act beginning with Government Code Section 12900 and Labor Code Section 1735 and District policy. In addition, the Consultant agrees to require like compliance by all of its subcontractor(s).

20. **Disabled Veteran Business Enterprises.** Pursuant to Education Code section 71028 and Public Contract Code section 10115, the District may have a participation goal for disabled veteran business enterprises (DVBEs) of at least three percent (3%) per year of funds expended each year by the District on projects that use funds California Community College Chancellor's Office. In accordance therewith, the Consultant must submit, upon request by the District, appropriate documentation to the District identifying the good faith efforts the Consultant has taken to solicit DVBE participation in conjunction with this Agreement, if applicable.
21. **No Rights in Third Parties.** This Agreement does not create any rights in, or inure to the benefit of, any third party except as expressly provided herein.
22. **District's Evaluation of Consultant and Consultant's Employees and/or Subcontractors.** The District may evaluate the Consultant in any way the District is entitled pursuant to applicable law. The District's evaluation may include, without limitation:
 - 22.1. Requesting that District employee(s) evaluate the Consultant and the Consultant's employees and subcontractors and each of their performance.
 - 22.2. Announced and unannounced observance of Consultant, Consultant's employee(s), and/or subcontractor(s).
23. **Limitation of District Liability.** Other than as provided in this Agreement, District's financial obligations under this Agreement shall be limited to the payment of the compensation provided in this Agreement. Notwithstanding any other provision of this Agreement, in no event, shall District be liable, regardless of whether any claim is based on contract or tort, for any special, consequential, indirect or incidental damages, including, but not limited to, lost profits or revenue, arising out of or in connection with this Agreement for the services performed in connection with this Agreement.
24. **Confidentiality.** The Consultant and all Consultant's agents, personnel, employee(s), and/or subcontractor(s) shall maintain the confidentiality of all information received in the course of performing the Services. Consultant understands that student records are confidential and agrees to comply with all state and federal laws concerning the maintenance and disclosure of student records. This requirement to maintain confidentiality shall extend beyond the termination of this Agreement.
25. **Notice.** Any notice required or permitted to be given under this Agreement shall be deemed to have been given, served, and received if given in writing and either personally delivered or deposited in the United States mail, registered or certified mail, postage prepaid, return receipt required, or sent by overnight delivery service, or facsimile transmission, addressed as follows:

District:

Solano Community College District
C/O Kitchell CEM
4000 Suisun Valley Road
Fairfield, California 94534

ATTN: Noe Ramos
Email: Noe.Ramos@solano.edu

Consultant:

Ninyo & Moore
2149 O'Toole Avenue, Suite 30
San Jose, CA 95131

ATTN: Lothus Hennefer
Email: Lothus.Hennefer@socotec.us

Any notice personally given or sent by facsimile transmission shall be effective upon receipt. Any notice sent by overnight delivery service shall be effective the business day next following delivery thereof to the overnight delivery service. Any notice given by mail shall be effective three (3) days after deposit in the United States mail.

26. **Integration/Entire Agreement of Parties.** This Agreement constitutes the entire agreement between the Parties and supersedes all prior discussions, negotiations, and agreements, whether oral or written. This Agreement may be amended or modified only by a written instrument executed by both Parties.
27. **California Law.** This Agreement shall be governed by and the rights, duties and obligations of the Parties shall be determined and enforced in accordance with the laws of the State of California. The Parties further agree that any action or proceeding brought to enforce the terms and conditions of this Agreement shall be maintained in the county in which the District's administrative offices are located.
28. **Waiver.** The waiver by either party of any breach of any term, covenant, or condition herein contained shall not be deemed to be a waiver of such term, covenant, condition, or any subsequent breach of the same or any other term, covenant, or condition herein contained.
29. **Severability.** If any term, condition or provision of this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions will nevertheless continue in full force and effect, and shall not be affected, impaired or invalidated in any way.
30. **Provisions Required By Law Deemed Inserted.** Each and every provision of law and clause required by law to be inserted in this Contract shall be deemed to be inserted herein and this Contract shall be read and enforced as though it were included therein.
31. **Authority to Bind Parties.** Neither party in the performance of any and all duties under this Agreement, except as otherwise provided in this Agreement, has any authority to bind the other to any agreements or undertakings.
32. **Attorney Fees/Costs.** Should litigation be necessary to enforce any terms or provisions of this Agreement, then each party shall bear its own litigation and collection expenses, witness fees, court costs and attorney's fees.
33. **Captions and Interpretations.** Paragraph headings in this Agreement are used solely for convenience, and shall be wholly disregarded in the construction of this Agreement. No provision of this Agreement shall be interpreted for or against a party because that party or its legal representative drafted such provision, and this Agreement shall be construed as if jointly prepared by the Parties.
34. **Calculation of Time.** For the purposes of this Agreement, "days" refers to calendar days unless otherwise specified.

- 35. **Signature Authority.** Each party has the full power and authority to enter into and perform this Agreement, and the person signing this Agreement on behalf of each Party has been properly authority and empowered to enter into this Agreement.
- 36. **Counterparts.** This Agreement and all amendments and supplements to it may be executed in counterparts, and all counterparts together shall be construed as one document.
- 37. **Incorporation of Recitals and Exhibits.** The Recitals and each exhibit attached hereto are hereby incorporated herein by reference.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement on the date indicated below.

Dated: _____, 2026

Dated: _____, 2026

Solano Community College District

Ninyo & Moore

By: _____

By: _____

Print Name: Susan Wheat

Print Name: _____

Print Title: VP, Finance & Administration

Print Title: _____

Information regarding Consultant:

License No.: _____

_____:

Address:

Employer Identification and/or
Social Security Number

Telephone:

Facsimile:

E-Mail:

Type of Business Entity:

- Individual
- Sole Proprietorship
- Partnership
- Limited Partnership
- Corporation, State: _____
- Limited Liability Company
- Other: _____

NOTE: Section 6041 of the Internal Revenue Code (26 U.S.C. 6041) and Section 1.6041-1 of Title 26 of the Code of Federal Regulations (26 C.F.R. 1.6041-1) requires the recipients of \$600.00 or more to furnish their taxpayer information to the payer. In order to comply with these requirements, the District requires the Contractor to furnish the information requested in this section.

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WORKERS' COMPENSATION CERTIFICATION

Labor Code Section 3700 in relevant part provides:

Every employer except the State shall secure the payment of compensation in one or more of the following ways:

- By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this State.

- By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing satisfactory proof to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to its employees.

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work of this Contract.

Date: _____

Name of Consultant: _____

Signature: _____

Print Name and Title: _____

(In accordance with Article 5 – commencing at Section 1860, Chapter 1, part 7, Division 2 of the Labor Code, the above certificate must be signed and filed with the District prior to performing any Work under this Contract.)

END OF DOCUMENT

EXHIBIT "A"
DESCRIPTION OF SERVICES TO BE PERFORMED BY CONSULTANT

- 1.1. Special Testing and Inspection services to verify compliance with the DSA approved plans and specifications for this project. Basic services shall include, but are not necessarily limited to, the following:
 - 1.1.1.1. Provide all Material Testing and Special Inspections listed in DSA-103.
 - 1.1.1.2. Provide and coordinate onsite and offsite inspections and material testing and report to District, PM, CM and DSA Project Inspector.
 - 1.1.1.3. Provide semi-monthly reports to DSA, DSA PI, A/E, CM, PM and District.
 - 1.1.1.4. Review progress of work as needed with the PI, A/E, CM, PM and District.
 - 1.1.1.5. Review and provide input as needed for Requests for Information (RFI) and submittals.
 - 1.1.1.6. Review and provide input as needed on proposed contractor change orders for any work with Material Testing and Special Inspection ramifications.
 - 1.1.1.7. Provide monthly budget assessment for inspection services indicating current budget allocations, projected allocations, and remaining budget.
 - 1.1.1.8. Provide all necessary DSA closeout forms at the completion of the project, with copies to IOR, District, PM, CM and A/E.
- 1.2. Consultant shall maintain such personal contact with the Project as is necessary to assure themselves of compliance, in every material respect, with the DSA-approved construction documents. Personal contact shall include visits to the project site by the Consultant or its qualified representative to observe construction.

Anticipated Inspections:

Geotechnical Observation and Compaction Testing

- (a) Foundation Observation, Excavation, and Removal of Unsuitable Materials.
- (b) Sampling and Compaction Testing for Subgrade Soils and Aggregate Base.
- (c) In-place Field Density Testing using a Nuclear Density Gauge for compaction of Subgrade Soils and Aggregate Base.

Reinforced Concrete

- (a) Review concrete mix designs submitted by the contractor for compliance with the project documents.
- (b) Sampling and Tagging of Reinforced Steel.
- (c) Sampling and Testing of Concrete (Slump & Temperature)
- (d) Periodic Batch Plant Inspection.
- (e) Tensile and Bend Test in the Laboratory.
- (f) (5) Concrete Cylinders / 50 Cubic Yards (4"x8" Cylinders)

Post Installed Anchors

- (a) Inspection during the installation of post-installed anchors.
- (b) Load testing including pull and torque testing of post installed anchors.

Structural Steel Welding

- (a) Materials ID, Purlin Tagging & Structural Steel Welding Inspection in the Shop.
- (b) Structural Steel Welding Inspection in the Field.
- (c) Welding procedure and welder's qualification review prior to performing welding in the Shop and Field.
- (d) Compression Tests of Non-Shrink Grout (2" x 2" x 2" Cube Specimens)

Project Management

- (a) Attend project meetings, project coordination, monitoring and administration including review and distribution of reports with laboratory test data and daily field inspection and testing reports, prepare weekly progress, and cost summaries report with invoices.
- (b) Prepare daily field reports documenting items inspected and reports of laboratory testing to be submitted to the project team via DSA box.
- (c) Prepare interim and final verified report (DSA 291 & 293) at the conclusion of the project.

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EXHIBIT "B" BILLING RATES

Table 1 - Breakdown of Estimated Fee

Geotechnical Observation and Materials Testing

Senior Technician	Sampling and Compaction Testing of Subgrade Soils and Aggregate Base	100 hours @ \$ 115.00 /hour	\$ 11,500.00
Laboratory Testing	Proctor Density Tests for Subgrade Soils and Aggregate Base	2 tests @ \$ 350.00 /test	\$ 700.00
Subtotal			\$ 12,200.00

Reinforced Concrete

Senior Technician	Reinforcing Steel Sampling and Tagging	8 hours @ \$ 115.00 /hour	\$ 920.00
Senior Technician	Concrete Batch Plant Inspection	12 hours @ \$ 115.00 /hour	\$ 1,380.00
Senior Technician	Concrete Sampling & Testing (Slump & Temperature)	30 hours @ \$ 115.00 /hour	\$ 3,450.00
Laboratory Testing	Tensile and Bend Test of Reinforcing Steel	4 tests @ \$ 75.00 /test	\$ 300.00
Laboratory Testing	Compression Tests of 5 Concrete Cylinders / 50 Cubic Yards (4"x 8" Cylinders)	15 tests @ \$ 35.00 /test	\$ 525.00
Subtotal			\$ 6,575.00

Post Installed Anchors

Special Inspector	Post-Installed Anchors Installation Inspection	16 hours @ \$ 115.00 /hour	\$ 1,840.00
Special Inspector	Load Testing of Post-Installed Anchors (Torque & Pull Testing)	16 hours @ \$ 115.00 /hour	\$ 1,840.00
Subtotal			\$ 3,680.00

Structural Welding

Special Inspector	Structural Steel Welding Inspection in the Shop and Field	200 hours @ \$ 115.00 /hour	\$ 23,000.00
Laboratory Testing	Compression Tests of Non-Shrink Grout (2" x 2" x 2" Cube Specimens)	6 tests @ \$ 65.00 /test	\$ 390.00
Subtotal			\$ 23,390.00

Other Charges

Equipment		382 hours @ \$ 15.00 /hour	\$ 5,730.00
State of CA PW Surcharge		382 hours @ \$ 30.00 /hour	\$ 11,460.00
Subtotal			\$ 17,190.00

Project Management

Project Assistant	Dispatch	20 hours @ \$ 100.00 /hour	\$ 2,000.00
Senior Project Manager	Meetings, Mix Design & WPS Review , Project Coordination and Progress Reports	38 hours @ \$ 200.00 /hour	\$ 7,600.00
Principal Engineer	Project Oversight, Consultation and Verified Report Preparation (DSA 291 & 293)	8 hours @ \$ 220.00 /hour	\$ 1,760.00
Subtotal			\$ 11,360.00

TOTAL ESTIMATED FEE			\$ 74,395.00
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Schedule of Fees

Hourly Charges for Personnel

Professional Staff

Principal Engineer/Geologist/Environmental Scientist/Certified Industrial Hygienist	\$ 220
Senior Engineer/Geologist/Environmental Scientist	\$ 210
Senior Project Engineer/Geologist/Environmental Scientist	\$ 200
Project Engineer/Geologist/Environmental Scientist	\$ 195
Senior Staff Engineer/Geologist/Environmental Scientist	\$ 180
Staff Engineer/Geologist/Environmental Scientist	\$ 165
GIS Analyst	\$ 145
Technical Illustrator/CAD Operator	\$ 120

Field Staff

Certified Asbestos/Lead Technician	\$ 200
Field Operations Manager	\$ 130
Nondestructive Examination Technician (UT, MT, LP)	\$ 125
Supervisory Technician	\$ 120
Special Inspector (Concrete, Masonry, Structural Steel, Welding, and Fireproofing)	\$ 115
Senior Technician	\$ 115
Technician	\$ 110

Administrative Staff

Information Specialist	\$ 100
Geotechnical/Environmental/Laboratory Assistant	\$ 100
Data Processor	\$ 80

Other Charges

Concrete Coring Equipment (includes technician)	\$ 190/hr
Anchor Load Test Equipment (includes technician)	\$ 190/hr
GPR Equipment	\$ 180/hr
State of California Prevailing Wage Surcharge	\$ 30/hr
Inclinometer	\$ 100/hr
Hand Auger Equipment	\$ 80/hr
Rebar Locator (Pachometer)	\$ 25/hr
Vapor Emission Kit	\$ 65/kit
Equipment	\$ 15/hr
X-Ray Fluorescence	\$ 70/hr
PID/FID	\$ 25/hr
Air Sampling Pump	\$ 10/hr
Field Vehicle	\$ 15/hr
Expert Witness Testimony	\$ 450/hr
Direct Expenses	Cost plus 15 %
Special equipment charges will be provided upon request.	

Schedule of Fees for Laboratory Testing

SOILS

Atterberg Limits, D 4318, CT 204	\$ 190
California Bearing Ratio (CBR), D 1883	\$ 550
Chloride and Sulfate Content, CT 417 & CT 422	\$ 175
Consolidation, D 2435, CT 219	\$ 300
Consolidation, Hydro-Collapse only, D 2435	\$ 150
Consolidation - Time Rate, D 2435, CT 219	\$ 200
Direct Shear - Remolded, D 3080	\$ 350
Direct Shear - Undisturbed, D 3080	\$ 300
Durability Index, CT 229	\$ 175
Expansion Index, D 4829, IBC 18-3	\$ 190
Expansion Potential (Method A), D 4546	\$ 170
Geofabric Tensile and Elongation Test, D 4632	\$ 200
Hydraulic Conductivity, D 5084	\$ 350
Hydrometer Analysis, D 6913, CT 203	\$ 220
Moisture, Ash, & Organic Matter of Peat/Organic Soils	\$ 120
Moisture Only, D 2216, CT 226	\$ 45
Moisture and Density, D 2937	\$ 55
Permeability, CH, D 2434, CT 220	\$ 350
pH and Resistivity, CT 643	\$ 185
Proctor Density D1557, D 698, CT 216, AASHTO T-180	\$ 350
Proctor Density with Rock Correction D 1557	\$ 400
R-value, D 2844, CT 301	\$ 450
Sand Equivalent, D 2419, CT 217	\$ 155
Sieve Analysis, D 6913, CT 202	\$ 175
Sieve Analysis, 200 Wash, D 1140, CT 202	\$ 130
Specific Gravity, D 854	\$ 135
Thermal Resistivity (ASTM 5334, IEEE 442)	\$ 925
Triaxial Shear, C.D., D 4767, T 297	\$ 550
Triaxial Shear, C.U., w/pore pressure, D 4767, T 2297 per pt	\$ 450
Triaxial Shear, C.U., w/o pore pressure, D 4767, T 2297 per pt	\$ 350
Triaxial Shear, U.U., D 2850	\$ 250
Unconfined Compression, D 2166, T 208	\$ 150

MASONRY

Brick Absorption, 24-hour submersion, 5-hr boiling, 7-day, C 67	\$ 70
Brick Compression Test, C 67	\$ 55
Brick Efflorescence, C 67	\$ 55
Brick Modulus of Rupture, C 67	\$ 50
Brick Moisture as received, C 67	\$ 45
Brick Saturation Coefficient, C 67	\$ 60
Concrete Block Compression Test, 8x8x16, C 140	\$ 70
Concrete Block Conformance Package, C 90	\$ 500
Concrete Block Linear Shrinkage, C 426	\$ 200
Concrete Block Unit Weight and Absorption, C 140	\$ 80
Cores, Compression or Shear Bond, CA Code	\$ 80
Masonry Grout, 3x3x6 prism compression, C 39	\$ 45
Masonry Mortar, 2x2 cylinder compression, C 109	\$ 55
Masonry Prism, half size, compression, C 1019	\$ 120
Masonry Prism, Full size, compression, C 1019	\$ 200

REINFORCING AND STRUCTURAL STEEL

Chemical Analysis, A 36, A 615	\$ 135
Fireproofing Density Test, UBC 7-6	\$ 90
Hardness Test, Rockwell, A 370	\$ 80
High Strength Bolt, Nut & Washer Conformance, per assembly, A 325	\$ 250
Mechanically Spliced Reinforcing Tensile Test, ACI	\$ 175
Pre-Stress Strand (7 wire), A 416	\$ 170
Reinforcing Tensile or Bend up to No. 11, A 615 & A 706	\$ 75
Structural Steel Tensile Test: Up to 200,000 lbs., A 370	\$ 90
Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI	\$ 80

CONCRETE

Compression Tests, 6x12 Cylinder, C 39	\$ 35
Concrete Mix Design Review, Job Spec	\$ 350
Concrete Mix Design, per Trial Batch, 6 cylinder, ACI	\$ 950
Concrete Cores, Compression (excludes sampling), C 42	\$ 130
Drying Shrinkage, C 157	\$ 500
Flexural Test, C 78	\$ 95
Flexural Test, C 293	\$ 95
Flexural Test, CT 523	\$ 95
Guniting/Shotcrete, Panels, 3 cut cores per panel and test, ACI	\$ 360
Lightweight Concrete Fill, Compression, C 495	\$ 90
Petrographic Analysis, C 856	\$ 2,800
Restrained Expansion of Shrinkage Compensation	\$ 550
Splitting Tensile Strength, C 496	\$ 120
3x6 Grout, (CLSM), C 39	\$ 65
2x2x2 Non-Shrink Grout, C 109	\$ 65

ASPHALT

Air Voids, T 269	\$ 90
Asphalt Mix Design, Caltrans (incl. Aggregate Quality)	\$ 4,500
Asphalt Mix Design Review, Job Spec	\$ 190
Dust Proportioning, CT LP-4	\$ 95
Extraction, % Asphalt, including Gradation, D 2172, CT 382	\$ 260
Extraction, % Asphalt without Gradation, D 2172, CT 382	\$ 160
Film Stripping, CT 302	\$ 130
Hveem Stability and Unit Weight D 1560, T 246, CT 366	\$ 240
Marshall Stability, Flow and Unit Weight, T 245	\$ 250
Maximum Theoretical Unit Weight, D 2041, CT 309	\$ 160
Moisture Content, CT 370	\$ 105
Moisture Susceptibility and Tensile Stress Ratio, T 238, CT 371	\$ 1,000
Slurry Wet Track Abrasion, D 3910	\$ 160
Superpave, Asphalt Mix Verification (incl. Aggregate Quality)	\$ 4,900
Superpave, Gyration Unit WL, T 312	\$ 110
Superpave, Hamburg Wheel, 20,000 passes, T 324	\$ 1,200
Unit Weight sample or core, D 2726, CT 308	\$ 110
Voids in Mineral Aggregate, (VMA) CT LP-2	\$ 100
Voids filled with Asphalt, (VFA) CT LP-3	\$ 100
Wax Density, D 1188	\$ 150

AGGREGATES

Clay Lumps and Friable Particles, C 142	\$ 190
Cleanliness Value, CT 227	\$ 190
Crushed Particles, CT 205	\$ 180
Durability, Coarse or Fine, CT 229	\$ 205
Fine Aggregate Angularity, ASTM C 1252, T 304, CT 234	\$ 180
Flat and Elongated Particle, D 4791	\$ 230
Lightweight Particles, C 123	\$ 180
Los Angeles Abrasion, C 131 or C 535	\$ 220
Material Finer than No. 200 Sieve by Washing, C 117	\$ 100
Organic Impurities, C 40	\$ 100
Potential Alkali Reactivity, Mortar Bar Method, Coarse, C 1260	\$ 1,250
Potential Alkali Reactivity, Mortar Bar Method, Fine, C 1260	\$ 950
Potential Reactivity of Aggregate (Chemical Method), C 289	\$ 495
Sand Equivalent, T 176, CT 217	\$ 130
Sieve Analysis, Coarse Aggregate, T 27, C 136	\$ 130
Sieve Analysis, Fine Aggregate (including wash), T 27, C 136	\$ 150
Sodium Sulfate Soundness, C 88	\$ 450
Specific Gravity and Absorption, Coarse, C 127, CT 206	\$ 120
Specific Gravity and Absorption, Fine, C 128, CT 207	\$ 180

ROOFING

Roofing Tile Absorption, (set of 5), C 67	\$ 250
Roofing Tile Strength Test, (set of 5), C 67	\$ 250