

San Mateo-Foster City School District
Facilities Department
1410 So. Amphlett Blvd.
San Mateo, CA 94402

INDEPENDENT CONSULTANT AGREEMENT FOR PROFESSIONAL SERVICES

This Independent Consultant Agreement for Professional Services ("Agreement" or "Contract") is made and entered into as of the 27th day of January 2022 by and between the San Mateo-Foster City School District, San Mateo, California ("District") and Construction Testing Services Inc. ("Consultant"), (together, "Parties").

NOW, THEREFORE, the Parties agree as follows:

1. **Services.** The Consultant shall provide the services as described in **Exhibit "A,"** attached hereto and incorporated herein by this reference ("Services" or "Work"). The scope of services will generally consist of the following:

Provide Inspections/Testing Services for Multi-Sites HVAC Replacement Project as per proposal dated December 22, 2021.

- 1.1. The Consultant's Services at any one of the sites or combination thereof may be changed, including terminated, in the same manner as the Project, as indicated herein, without changing in any way the remaining Consultant's Services at other site(s). The provisions of this Agreement shall apply to the Consultant's Services at each site, without regard to the status of the remaining component(s). Consultant shall invoice for each inspection and test separately and for each site separately and District shall compensate Consultant for each site separately on a proportionate basis based on the level and scope of Services completed for each site.
2. **Term.** The term of this Agreement shall be no longer than the period of construction of the Project, unless this Agreement is terminated and/or otherwise cancelled prior to that time.
3. **Submittal of Documents.** The Consultant shall not commence the Work under this Contract 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>	Fingerprinting/Criminal Background Investigation Certification
<u> X </u>	Insurance Certificates and Endorsements
<u> X </u>	W-9 Form

4. **Compensation.** Consultant's fee for the performance of Consultant's Services shall be on an hourly basis and/or a per unit basis, as indicated in **Exhibit "B"** (Prices for Services). District agrees to pay the Consultant for services satisfactorily rendered pursuant to this Agreement a total fee not to exceed **Sixty-five Thousand Six Hundred Fifty-nine Dollars (\$65,659.00)**. District shall pay Consultant according to the following terms and conditions:
 - 4.1. Payment for the Work shall be made for all undisputed amounts in monthly installment payments 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. Consultant shall prepare a separate invoice for each school site, if Consultant works at more than one site. The itemized invoice shall reflect the hours spent by the Consultant in performing its Services pursuant to this Agreement.
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. Not applicable.

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. **Designated Representatives / Labor Compliance Program.** The Consultant shall coordinate with District personnel and/or its designated representatives as may be requested and desirable, including with other professionals employed by the District for the design, coordination or management of other work related to the Project. This shall include, without limitation, coordination with the persons responsible for operation of the District's Labor Compliance Program. If the Consultant employs subcontractor(s), the Consultant shall ensure that its contract(s) with its subcontractor(s) include language notifying the subcontractor(s) of the District's Labor Compliance Program, if any.
8. **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, except as follows:
 - 8.1. Not applicable.
9. **Performance of Services.**
 - 9.1. **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 school districts.
 - 9.2. **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.
 - 9.3. **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.
 - 9.4. **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.
10. **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.
11. **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.
12. **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.

13. Termination.

- 13.1. **Without Cause 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.
- 13.2. **Without Cause By Consultant.** Consultant may, upon thirty (30) days notice, with or without reason, terminate this Agreement. Upon this termination, District shall only be obligated to compensate Consultant for services satisfactorily rendered to the date of termination. Written notice by Consultant shall be sufficient to stop further performance of services to District. Consultant acknowledges that this thirty (30) day notice period is acceptable so that the District can attempt to procure the Services from another source.
- 13.3. **With Cause By District.** District may terminate this Agreement upon giving of written notice of intention to terminate for cause. Cause shall include:
 - 13.3.1. material violation of this Agreement by the Consultant; or
 - 13.3.2. any act by Consultant exposing the District to liability to others for personal injury or property damage; or
 - 13.3.3. 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.

- 14. **Indemnification.** To the furthest extent permitted by California law, Consultant shall defend, indemnify, and hold free and harmless the District, its agents, representatives, officers, consultants, employees, trustees, and volunteers ("the indemnified parties") from any and all claims, demands, causes of action, costs, expenses, liability, loss, damage or injury of any kind, in law or equity ("Claim"), to property or persons, including personal injury and/or death, to the extent that any of the above arise out of, pertain to, or relate to the negligence, recklessness, errors or omissions, or willful misconduct of Consultant, its officials, officers, employees, subcontractors, consultants, or agents directly or indirectly arising out of, connected with, or resulting from the performance of the Services, the Project, or this Agreement, including without limitation the payment of all consequential damages.

15. Insurance.

- 15.1. 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.
 - 15.1.1. **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.)
 - 15.1.2. **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.

- 15.1.3. **Professional Liability (Errors and Omissions).** Professional Liability (Errors and Omissions) Insurance as appropriate to the Consultant's profession.

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

- 15.2. **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:

- 15.2.1. 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."
- 15.2.2. 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.
- 15.2.3. An endorsement stating that the District and the State and their 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.
- 15.2.4. All policies except the Professional Liability Policy shall be written on an occurrence form.

- 15.3. **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.

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

17. **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.

18. **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.
19. **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.
20. **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 its subcontractor(s).
21. **Fingerprinting of Employees.** The Fingerprinting/Criminal Background Investigation Certification must be completed and attached to this Agreement prior to Consultant's performing of any portion of the Services.
22. **Disabled Veteran Business Enterprises.** Section 17076.11 of the Education Code requires school districts using funds allocated pursuant to the State of California School Facility Program for the construction or modernization of a school building to have a participation goal of at least 3 percent, per year, of the overall dollar amount expended each year by the school district, for disabled veteran business enterprises (DVBE). In accordance therewith, the Consultant must submit, upon request by District, appropriate documentation to the District identifying the steps the Consultant has taken to solicit DVBE participation in conjunction with this Agreement, if applicable.
23. **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.
24. **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:
 - 24.1. Requesting that District employee(s) evaluate the Consultant and the Consultant's employees and subcontractors and each of their performance.
 - 24.2. Announced and unannounced observance of Consultant, Consultant's employee(s), and/or subcontractor(s).
25. **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.
26. **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.
27. **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:

San Mateo-Foster City School District
1170 Chess Dr.
Foster City, CA 94404
ATTN: Mark Sherrill

Consultant:

Construction Testing Services Inc.
2118 Rheem Dr.
Pleasanton, , California 94588
ATTN: Ryan Ibanez

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.

28. **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.
29. **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.
30. **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.
31. **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.
32. **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.
33. **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.
34. **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.
35. **Calculation of Time.** For the purposes of this Agreement, "days" refers to calendar days unless otherwise specified.
36. **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.
37. **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.
38. **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: _____, 20__

Dated: _____, 20__

San Mateo-Foster City School District

Construction Testing Services Inc.

By: _____

By: _____

Print Name: Patrick Gaffney

Print Name: _____

Print Title: Chief Business Official

Print Title: _____

Information regarding Consultant:

Consultant: _____

License No.: _____

Address: _____

Telephone: _____

Facsimile: _____

E-Mail: _____

Type of Business Entity:

☐ Individual

☐ Sole Proprietorship

☐ Partnership

☐ Limited Partnership

☐ Corporation, State: _____

☐ Limited Liability Company

☐ Other: _____

Employer Identification and/or Social Security
Number

NOTE: Title 26, Code of Federal Regulations, sections 6041 and 6209 require non-corporate recipients of \$600.00 or more to furnish their taxpayer identification number to the payer. The regulations also provide that a penalty may be imposed for failure to furnish the taxpayer identification number. In order to comply with these regulations, the District requires your federal tax identification number or Social Security number, whichever is applicable.

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 proof satisfactory 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 or Company: Construction Testing Services Inc.

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.)

FINGERPRINTING/CRIMINAL BACKGROUND INVESTIGATION CERTIFICATION

One of the three boxes below **must** be checked, with the corresponding certification provided, and this form attached to the Independent Consultant Agreement for Professional Services ("Agreement"):

[TO BE COMPLETED BY AUTHORIZED DISTRICT EMPLOYEE ONLY.] Consultant's employees will have only limited contact, if any, with District pupils and the District will take appropriate steps to protect the safety of any pupils that may come in contact with Consultant's employees so that the fingerprinting and criminal background investigation requirements of Education Code section 45125.1 shall not apply to Consultant for the services under this Agreement. As an authorized District official, I am familiar with the facts herein certified, and am authorized to execute this certificate on behalf of the District. (Education Code § 45125.1 (c))

Date: _____
 District Representative's Name and Title: _____
 Signature: _____

The fingerprinting and criminal background investigation requirements of Education Code section 45125.1 apply to Consultant's services under this Agreement and Consultant certifies its compliance with these provisions as follows:
"Consultant certifies that the Consultant has complied with the fingerprinting and criminal background investigation requirements of Education Code section 45125.1 with respect to all Consultant's employees, subcontractors, agents, and subcontractors' employees or agents ("Employees") regardless of whether those Employees are paid or unpaid, concurrently employed by the District, or acting as independent contractors of the Consultant, who may have contact with District pupils in the course of providing services pursuant to the Agreement, and the California Department of Justice has determined that none of those Employees has been convicted of a felony, as that term is defined in Education Code section 45122. 1. A complete and accurate list of all Employees who may come in contact with District pupils during the course and scope of the Agreement is attached hereto."

Consultant's services under this Agreement shall be limited to the construction, reconstruction, rehabilitation, or repair of a school facility and although all Employees will have contact, other than limited contact, with District pupils, pursuant to Education Code section 45125.2 District shall ensure the safety of the pupils by at least one of the following as marked:

- ☐ The installation of a physical barrier at the worksite to limit contact with pupils.
- ☐ Continual supervision and monitoring of all Consultant's on-site employees of Consultant by an employee of Consultant, _____, whom the Department of Justice has ascertained has not been convicted of a violent or serious felony.
- ☒ Surveillance of Employees by District personnel.

Date: January 27, 2022 _____
 District Representative's Name and Title: Mark Sherrill, Construction Project Manager _____
 Signature: _____

MUST BE COMPLETED BY CONSULTANT'S AUTHORIZED REPRESENTATIVE. I am a representative of the Consultant entering into this Agreement with the District and I am familiar with the facts herein certified, and am authorized and qualified to execute this certificate on behalf of Consultant.

Date: _____
 Name of Consultant or Company: Consolidated Engineering Laboratories
 Signature: _____
 Print Name and Title: _____

EXHIBIT "A"

DESCRIPTION OF SERVICES TO BE PERFORMED BY CONSULTANT

Provide Inspections/Testing Services for Multi-Sites HVAC Replacement Project as per proposal dated December 22, 2021.

Consultant's entire Proposal is not made part of this Agreement.

The scopes of services are more specifically described herein.

Consultant shall perform inspection and testing services without limitation:

- Concrete
- Masonry
- Epoxy Rebar and Bolts
- Soils compaction
- Final Affidavit

Exhib. 7 9A



CONSTRUCTION
TESTING SERVICES

PRELIMINARY ESTIMATE: INSPECTIONS & TESTING

DATE: 12/22/21
PROPOSAL No.: P20987
CLIENT: SAN MATEO - FOSTER CITY SCHOOL DISTRICT
PROJECT: SMFCSD ABBOTT MIDDLE SCHOOL
LOCATION: SAN MATEO, CA

ITEM: I ONSITE TESTING & INSPECTIONS	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
REINFORCING STEEL & CONCRETE				
SLAB ON GRADE	1	4	\$88	\$352
MISC FIELD TESTING SERVICES				
EPOXY REBAR/BOLTS - INSTALL OBSERVATION	1	4	\$88	\$352
EPOXY REBAR/ BOLTS - PROOF LOADING/PULL TESTING (PORTAL TO PORTAL)	1	4	\$88	\$352
PORTAL TO PORTAL TRAVEL TIME - TEST EQUIPMENT TRANSPORT	1	1	\$88	\$88
PORTAL TO PORTAL MILEAGE - TEST EQUIPMENT TRANSPORT	1	74	\$0.56	\$41
<i>Preliminary Sub-Total of Onsite Testing & Inspection (approx.)</i>				<i>\$1,185</i>

ITEM: II OFFSITE TESTING & INSPECTIONS	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
BATCH PLANT	1	4	\$88	\$352
REBAR SAMPLE & TAG	1	4	\$88	\$352
<i>Preliminary Sub-Total of Offsite Testing & Inspection (approx.)</i>				<i>\$704</i>

ITEM: III LABORATORY TESTING & ENGINEERING	ESTIMATED UNITS/HOURS	UNIT PRICE	ESTIMATED TOTAL
CONCRETE COMPRESSION TESTS (SET OF 5-4x8 CYLINDERS)	5	\$22	\$110
REBAR TENSILE AND BEND TEST (#3 TO #8)	2	\$175	\$350
SAMPLE PICK-UPS	7	\$8	\$56
MIX DESIGN REVIEW	1	\$175	\$175
STAFF ENGINEER	1	\$110	\$110
FIELD SUPERVISION	1	\$110	\$110
PROJECT MANAGEMENT	1	\$110	\$110
PRINCIPAL ENGINEER	1	\$256	\$256
FINAL LETTER/ENGINEER REVIEW	1	\$150	\$150
FINAL LETTER/STAMPED SUBMITTAL	1	\$75	\$75
<i>Preliminary Subtotal of Laboratory Testing & Engineering (approx.)</i>			<i>\$1,502</i>
<i>Preliminary Estimated Fees</i>			<i>\$3,391</i>
<i>Project Administration 9%</i>			<i>\$305</i>
<i>Total Preliminary Estimated Fees</i>			<i>\$3,697</i>

ITEM: IV ADD ALTERNATE ITEMS	ESTIMATED DAYS	ESTIMATED UNITS/HOURS	UNIT PRICE	ESTIMATED TOTAL
GEOTECHNICAL SERVICES				
SOILS COMPACTION - OFF-SITE/PARKING LOTS	1	8	\$120	\$960
PORTAL TO PORTAL TRAVEL TIME - NUC GAUGE TRANSPORT	1	1	\$120	\$120
PORTAL TO PORTAL MILEAGE - NUC GAUGE TRANSPORT	1	74	\$0.56	\$41
GEOTECHNICAL LABORATORY SERVICES				
COMPACTION CURVES		1	\$375	\$375
SAMPLE PICK-UPS		1	\$8	\$8
<i>Preliminary Sub-Total of Geotechnical Testing & Inspection (approx.)</i>				<i>\$1,504</i>
<i>Preliminary Estimated Fees</i>				<i>\$1,504</i>
<i>Project Administration 9%</i>				<i>\$135</i>
<i>Total Preliminary Estimated Fees</i>				<i>\$1,640</i>

* Steel shop price based on work being done in Northern California in one shop and one shift. If work is performed at night a 12.5% differential will be charged.

A 9% project administration fee will be charged monthly per invoice.

No contingency is budgeted by CTS for uncontrollable overtime, union or prevailing wage increases and unforeseen requirements that may arise in the specifications, as well as for work over the estimated hours. Owner should budget appropriate amount for budgetary purposes.

Estimate based on plans by Base Design dated, 9/29/21. No construction schedule was available at the time this estimate was prepared. See attached fee schedule for basis of charges.

The liability of Construction Testing Services (CTS) is limited to CTS's contract value.

Estimate includes portal to portal travel time for nuclear gauge transport from laboratory per requirements of the CA Radiological Health Branch.



**CONSTRUCTION
TESTING SERVICES**

PRELIMINARY ESTIMATE: INSPECTIONS & TESTING

DATE: 01/11/22
PROPOSAL No.: P21086
CLIENT: SAN MATEO-FOSTER CITY SCHOOL DISTRICT
PROJECT: BOREL MIDDLE SCHOOL
LOCATION: SAN MATEO, CA

ITEM: I ONSITE TESTING & INSPECTIONS	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
CONCRETE (FOR TO INSPECT REBAR & CONCRETE PLACING)				
SLAB ON GRADE	1	4	\$88	\$352
MISC FIELD TESTING SERVICES				
EPOXY REBAR/BOLTS - INSTALL OBSERVATION	1	4	\$88	\$352
EPOXY REBAR/ BOLTS - PROOF LOADING/PULL TESTING (PORTAL TO PORTAL)	1	4	\$88	\$352
EXPANSION/SCREW ANCHOR - INSTALL OBSERVATION	1	4	\$88	\$352
EXPANSION/SCREW ANCHOR - TORQUE TESTING (PORTAL TO PORTAL)	1	4	\$88	\$352
PORTAL TO PORTAL TRAVEL TIME - TEST EQUIPMENT TRANSPORT	2	1.5	\$88	\$264
PORTAL TO PORTAL MILEAGE - TEST EQUIPMENT TRANSPORT	2	72	\$0.585	\$84
<i>Preliminary Sub-Total of Onsite Testing & Inspection (approx.)</i>				\$2,108

ITEM: II OFFSITE TESTING & INSPECTIONS	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
BATCH PLANT	1	4	\$88	\$352
REBAR SAMPLE & TAG	2	4	\$88	\$704
<i>Preliminary Sub-Total of Offsite Testing & Inspection (approx.)</i>				\$1,056

ITEM: III LABORATORY TESTING & ENGINEERING	ESTIMATED UNITS/HOURS	UNIT PRICE	ESTIMATED TOTAL
CONCRETE COMPRESSION TESTS (SET OF 5-4x8 CYLINDERS)	5	\$22	\$110
REBAR TENSILE AND BEND TEST (#3 TO #8)	1	\$175	\$175
SAMPLE PICK-UPS	6	\$8	\$48
MIX DESIGN REVIEW	1	\$175	\$175
STAFF ENGINEER	2	\$110	\$220
PROJECT MANAGER	2	\$110	\$220
FIELD SUPERVISION	2	\$110	\$220
PRINCIPAL ENGINEER	1	\$256	\$256
INTERIM FINAL LETTER	1	\$75	\$75
FINAL LETTER/ENGINEER REVIEW	1	\$150	\$150
FINAL LETTER/STAMPED SUBMITTAL	1	\$250	\$250
<i>Preliminary Subtotal of Laboratory Testing & Engineering (approx.)</i>			\$1,899

<i>Preliminary Estimated Fees</i>			\$5,063
<i>Project Administration 9%</i>			\$456
<i>Total Preliminary Estimated Fees</i>			\$5,519

* Steel shop price based on work being done in Northern California in one shop and one shift. If work is performed at night a 12.5% differential will be charged.
 A 9% project administration fee will be charged monthly per invoice.
 No contingency is budgeted by CTS for uncontrollable overtime, union or prevailing wage increases and unforeseen requirements that may arise in the specifications, as well as for work over the estimated hours. Owner should budget appropriate amount for budgetary purposes.
 Estimate based on plans By Base Design dated, 6/4/21. And No DSA 103 was available at the time this estimate was prepared.
 No construction schedule was available at the time this estimate was prepared. See attached fee schedule for basis of charges.
 The liability of Construction Testing Services (CTS) is limited to CTS's contract value.



CONSTRUCTION
TESTING SERVICES

PRELIMINARY ESTIMATE: INSPECTIONS & TESTING

DATE: 12/22/21
PROPOSAL No.: P20984
CLIENT: SAN MATEO FOSTER CITY SCHOOL DISTRICT
PROJECT: COLLEGE PARK ELEMENTARY SCHOOL
LOCATION: SAN MATEO, CA

ITEM: I ONSITE TESTING & INSPECTIONS	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
REINFORCING STEEL & CONCRETE				
SLAB ON GRADE	1	4	\$88	\$352
MISC FIELD TESTING SERVICES				
EPOXY REBAR/BOLTS - INSTALL OBSERVATION	1	4	\$88	\$352
EPOXY REBAR/ BOLTS - PROOF LOADING/PULL TESTING (PORTAL TO PORTAL)	1	4	\$88	\$352
PORTAL TO PORTAL TRAVEL TIME - TEST EQUIPMENT TRANSPORT	1	1	\$88	\$88
PORTAL TO PORTAL MILEAGE - TEST EQUIPMENT TRANSPORT	1	74	\$0.56	\$41
<i>Preliminary Sub-Total of Onsite Testing & Inspection (approx.)</i>				<i>\$1,185</i>

ITEM: II OFFSITE TESTING & INSPECTIONS	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
BATCH PLANT	1	4	\$88	\$352
REBAR SAMPLE & TAG	1	4	\$88	\$352
<i>Preliminary Sub-Total of Offsite Testing & Inspection (approx.)</i>				<i>\$704</i>

ITEM: III LABORATORY TESTING & ENGINEERING	ESTIMATED UNITS/HOURS	UNIT PRICE	ESTIMATED TOTAL
CONCRETE COMPRESSION TESTS (SET OF 5-4x8 CYLINDERS)	5	\$22	\$110
REBAR TENSILE AND BEND TEST (#3 TO #8)	2	\$175	\$350
SAMPLE PICK-UPS	7	\$8	\$56
MIX DESIGN REVIEW	1	\$175	\$175
STAFF ENGINEER	1	\$110	\$110
FIELD SUPERVISION	1	\$110	\$110
PROJECT MANAGEMENT	1	\$110	\$110
PRINCIPAL ENGINEER	1	\$256	\$256
FINAL LETTER/ENGINEER REVIEW	1	\$150	\$150
INTERIM FINAL LETTER	1	\$75	\$75
FINAL LETTER/STAMPED SUBMITTAL	1	\$150	\$150
Preliminary Subtotal of Laboratory Testing & Engineering (approx.)			\$1,652
Preliminary Estimated Fees			\$3,541
Project Administration 9%			\$319
Total Preliminary Estimated Fees			\$3,860

ITEM: IV ADD ALTERNATE ITEMS	ESTIMATED DAYS	ESTIMATED UNITS/HOURS	UNIT PRICE	ESTIMATED TOTAL
GEOTECHNICAL SERVICES				
SOILS COMPACTION - OFF-SITE/PARKING LOTS	1	4	\$120	\$480
PORTAL TO PORTAL TRAVEL TIME - NUC GAUGE TRANSPORT	1	1	\$120	\$120
PORTAL TO PORTAL MILEAGE - NUC GAUGE TRANSPORT	1	74	\$0.56	\$41
GEOTECHNICAL LABORATORY SERVICES				
COMPACTION CURVES		1	\$375	\$375
SAMPLE PICK-UPS		1	\$8	\$8
<i>Preliminary Sub-Total of Geotechnical Testing & Inspection (approx.)</i>				<i>\$1,024</i>
<i>Preliminary Estimated Fees</i>				<i>\$1,024</i>
<i>Project Administration 9%</i>				<i>\$92</i>
<i>Total Preliminary Estimated Fees</i>				<i>\$1,117</i>

* Steel shop price based on work being done in Northern California in one shop and one shift. If work is performed at night a 12.5% differential will be charged.

A 9% project administration fee will be charged monthly per invoice.

No contingency is budgeted by CTS for uncontrollable overtime, union or prevailing wage increases and unforeseen requirements that may arise in the specifications, as well as for work over the estimated hours. Owner should budget appropriate amount for budgetary purposes.

Estimate based on plans by Base Design dated, 10/22/21. No construction schedule was available at the time this estimate was prepared. See attached fee schedule for basis of charges.

The liability of Construction Testing Services (CTS) is limited to CTS's contract value.

Estimate includes portal to portal travel time for nuclear gauge transport from laboratory per requirements of the CA Radiological Health Branch.



CONSTRUCTION
TESTING SERVICES

PRELIMINARY ESTIMATE: INSPECTIONS & TESTING

DATE: 12/22/21
PROPOSAL No.: P20985
CLIENT: SAN MATEO FOSTER CITY SCHOOL DISTRICT
PROJECT: SMFCSO GEORGE HALL ELEMENTARY SCHOOL
LOCATION: SAN MATEO

ITEM: I ONSITE TESTING & INSPECTIONS	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
REINFORCING STEEL & CONCRETE				
FOOTINGS/GRADE BEAMS/SOG	2	4	\$88	\$704
MASONRY - LEVEL C				
MASONRY UNIT PLACEMENT	4	8	\$130	\$4,160
PRE-GROUT REBAR INSPECTIONS	2	4	\$130	\$1,040
GROUT PLACEMENT	2	8	\$130	\$2,080
STRUCTURAL STEEL				
FIELD WELDING/UT/MT	1	8	\$88	\$704
MISC FIELD TESTING SERVICES				
EPOXY REBAR/BOLTS - INSTALL OBSERVATION	2	4	\$88	\$704
EPOXY REBAR/ BOLTS - PROOF LOADING/PULL TESTING (PORTAL TO PORTAL)	2	4	\$88	\$704
PORTAL TO PORTAL TRAVEL TIME - TEST EQUIPMENT TRANSPORT	1	1	\$88	\$88
PORTAL TO PORTAL MILEAGE - TEST EQUIPMENT TRANSPORT	1	64	\$0.56	\$36
<i>Preliminary Sub-Total of Onsite Testing & Inspection (approx.)</i>				\$10,220

ITEM: II OFFSITE TESTING & INSPECTIONS	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
STEEL SHOP VISUAL/UT/MT - DAY SHIFT *	1	8	\$88	\$704
BATCH PLANT	3	4	\$88	\$1,056
REBAR SAMPLE & TAG	2	8	\$88	\$1,408
<i>Preliminary Sub-Total of Offsite Testing & Inspection (approx.)</i>				\$3,168

ITEM: III LABORATORY TESTING & ENGINEERING	ESTIMATED UNITS/HOURS	UNIT PRICE	ESTIMATED TOTAL
CONCRETE COMPRESSION TESTS (SET OF 5-4x8 CYLINDERS)	10	\$22	\$220
MASONRY ASTM C140 PRECONSTRUCTION TESTING	6	\$175	\$1,050
MASONRY PRISM COMPRESSION TESTS - PRE CONSTRUCTION	3	\$110	\$330
MASONRY MORTAR COMPRESSION TESTS	16	\$45	\$720
MASONRY GROUT COMPRESSION TESTS	8	\$45	\$360
REBAR TENSILE AND BEND TEST (#3 TO #8)	4	\$175	\$700
SAMPLE PICK-UPS	47	\$8	\$376
WPS REVIEW	1	\$175	\$175
MIX DESIGN REVIEW	3	\$175	\$525
STAFF ENGINEER	3	\$110	\$330
FIELD SUPERVISION	2	\$110	\$220
PROJECT MANAGEMENT	2	\$110	\$220
PRINCIPAL ENGINEER	1	\$256	\$256
FINAL LETTER/ENGINEER REVIEW	1	\$150	\$150
INTERIM FINAL LETTER	1	\$75	\$75
FINAL LETTER/STAMPED SUBMITTAL	1	\$250	\$250
<i>Preliminary Subtotal of Laboratory Testing & Engineering (approx.)</i>			\$5,957
<i>Preliminary Estimated Fees</i>			\$19,345
<i>Project Administration 9%</i>			\$1,741
<i>Total Preliminary Estimated Fees</i>			\$21,086

ITEM: IV ADD ALTERNATE ITEMS	ESTIMATED DAYS	ESTIMATED UNITS/HOURS	UNIT PRICE	ESTIMATED TOTAL
GEOTECHNICAL SERVICES				
SOILS COMPACTION - SITE UTILITIES	1	4	\$120	\$480
SOILS COMPACTION - OFF-SITE/PARKING LOTS	1	4	\$120	\$480
PORTAL TO PORTAL TRAVEL TIME - NUC GAUGE TRANSPORT	2	1	\$120	\$240
PORTAL TO PORTAL MILEAGE - NUC GAUGE TRANSPORT	2	64	\$0.56	\$72
GEOTECHNICAL LABORATORY SERVICES				
COMPACTION CURVES		1	\$375	\$375
SAMPLE PICK-UPS		1	\$8	\$8
Preliminary Sub-Total of Geotechnical Testing & Inspection (approx.)				\$1,655
Preliminary Estimated Fees				\$1,655
Project Administration 9%				\$149
Total Preliminary Estimated Fees				\$1,804

* Steel shop price based on work being done in Northern California in one shop and one shift. If work is performed at night a 12.5% differential will be charged.

A 9% project administration fee will be charged monthly per invoice.

No contingency is budgeted by CTS for uncontrollable overtime, union or prevailing wage increases and unforeseen requirements that may arise in the specifications, as well as for work over the estimated hours. Owner should budget appropriate amount for budgetary purposes.

Estimate based on plans by Base Design dated 10/4/21. No construction schedule was available at the time this estimate was prepared. See attached fee schedule for basis of charges.

The liability of Construction Testing Services (CTS) is limited to CTS's contract value.

Estimate includes portal to portal travel time for nuclear gauge transport from laboratory per requirements of the CA Radiological Health Branch.



**CONSTRUCTION
TESTING SERVICES**

PRELIMINARY ESTIMATE: INSPECTIONS & TESTING

DATE: 12/22/21
PROPOSAL No.: P20983
CLIENT: SAN MATEO FOSTER CITY SCHOOL DISTRICT
PROJECT: SMFCSD LAUREL ELEMENTARY SCHOOL
LOCATION: SAN MATEO, CA

ITEM: I ONSITE TESTING & INSPECTIONS	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
REINFORCING STEEL & CONCRETE				
FOOTINGS/GRADE BEAMS/SOG	2	4	\$88	\$704
MASONRY - LEVEL C				
MASONRY UNIT PLACEMENT	4	8	\$130	\$4,160
PRE-GROUT REBAR INSPECTIONS	2	4	\$130	\$1,040
GROUT PLACEMENT	2	8	\$130	\$2,080
STRUCTURAL STEEL				
FIELD WELDING/UT/MT	1	8	\$88	\$704
MISC FIELD TESTING SERVICES				
EPOXY REBAR/BOLTS - INSTALL OBSERVATION	2	4	\$88	\$704
EPOXY REBAR/ BOLTS - PROOF LOADING/PULL TESTING (PORTAL TO PORTAL)	2	4	\$88	\$704
PORTAL TO PORTAL TRAVEL TIME - TEST EQUIPMENT TRANSPORT	1	1.5	\$88	\$132
PORTAL TO PORTAL MILEAGE - TEST EQUIPMENT TRANSPORT	1	74	\$0.56	\$41
<i>Preliminary Sub-Total of Onsite Testing & Inspection (approx.)</i>				\$10,269

ITEM: II OFFSITE TESTING & INSPECTIONS	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
STEEL SHOP VISUAL/UT/MT - DAY SHIFT *	1	8	\$88	\$704
BATCH PLANT	3	4	\$88	\$1,056
REBAR SAMPLE & TAG	2	8	\$88	\$1,408
<i>Preliminary Sub-Total of Offsite Testing & Inspection (approx.)</i>				\$3,168

ITEM: III LABORATORY TESTING & ENGINEERING	ESTIMATED UNITS/HOURS	UNIT PRICE	ESTIMATED TOTAL
CONCRETE COMPRESSION TESTS (SET OF 5-4x8 CYLINDERS)	10	\$22	\$220
MASONRY ASTM C140 PRECONSTRUCTION TESTING	6	\$175	\$1,050
MASONRY PRISM COMPRESSION TESTS - PRE CONSTRUCTION	3	\$110	\$330
MASONRY MORTAR COMPRESSION TESTS	16	\$45	\$720
MASONRY GROUT COMPRESSION TESTS	8	\$45	\$360
REBAR TENSILE AND BEND TEST (#3 TO #8)	4	\$175	\$700
SAMPLE PICK-UPS	47	\$8	\$376
WPS REVIEW	1	\$175	\$175
MIX DESIGN REVIEW	3	\$175	\$525
STAFF ENGINEER	3	\$110	\$330
FIELD SUPERVISION	2	\$110	\$220
PROJECT MANAGEMENT	2	\$110	\$220
PRINCIPAL ENGINEER	1	\$256	\$256
FINAL LETTER/ENGINEER REVIEW	1	\$150	\$150
FINAL LETTER/STAMPED SUBMITTAL	1	\$250	\$250
<i>Preliminary Subtotal of Laboratory Testing & Engineering (approx.)</i>			\$5,882
<i>Preliminary Estimated Fees</i>			\$19,319
<i>Project Administration 9%</i>			\$1,739
<i>Total Preliminary Estimated Fees</i>			\$21,058

ITEM: IV ADD ALTERNATE ITEMS		ESTIMATED DAYS	ESTIMATED UNITS/HOURS	UNIT PRICE	ESTIMATED TOTAL
GEOTECHNICAL SERVICES					
	SOILS COMPACTION - SITE UTILITIES	1	4	\$120	\$480
	SOILS COMPACTION - OFF-SITE/PARKING LOTS	1	4	\$120	\$480
	PORTAL TO PORTAL TRAVEL TIME - NUC GAUGE TRANSPORT	2	1.5	\$120	\$360
	PORTAL TO PORTAL MILEAGE - NUC GAUGE TRANSPORT	2	74	\$0.56	\$83
GEOTECHNICAL LABORATORY SERVICES					
COMPACTION CURVES			1	\$375	\$375
SAMPLE PICK-UPS			1	\$8	\$8
Preliminary Sub-Total of Geotechnical Testing & Inspection (approx.)					\$1,786
Preliminary Estimated Fees					\$1,786
Project Administration 9%					\$161
Total Preliminary Estimated Fees					\$1,947

* Steel shop price based on work being done in Northern California in one shop and one shift. If work is performed at night a 12.5% differential will be charged.

A 9% project administration fee will be charged monthly per invoice.

No contingency is budgeted by CTS for uncontrollable overtime, union or prevailing wage increases and unforeseen requirements that may arise in the specifications, as well as for work over the estimated hours. Owner should budget appropriate amount for budgetary purposes.

Estimate based on plans by Base Design dated 10/06/21. No construction schedule was available at the time this estimate was prepared. See attached fee schedule for basis of charges.

The liability of Construction Testing Services (CTS) is limited to CTS's contract value.

Estimate includes portal to portal travel time for nuclear gauge transport from laboratory per requirements of the CA Radiological Health Branch.



CONSTRUCTION
TESTING SERVICES

PRELIMINARY ESTIMATE: INSPECTIONS & TESTING

DATE: 12/22/21
PROPOSAL No.: P20982
CLIENT: SAN MATEO FOSTER CITY SCHOOL DISTRICT
PROJECT: SMFCS MEADOW HEIGHTS ELEMENTARY SCHOOL
LOCATION: SAN MATEO, CA

ITEM: I ONSITE TESTING & INSPECTIONS	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
REINFORCING STEEL & CONCRETE				
FOOTING/GRADE BEAMS/SOG	2	4	\$88	\$704
MECHANICAL PADS	2	4	\$88	\$704
MISC FIELD TESTING SERVICES				
EPOXY REBAR/BOLTS - INSTALL OBSERVATION	2	4	\$88	\$704
EPOXY REBAR/ BOLTS - PROOF LOADING/PULL TESTING (PORTAL TO PORTAL)	2	4	\$88	\$704
PORTAL TO PORTAL TRAVEL TIME - TEST EQUIPMENT TRANSPORT	2	1.5	\$88	\$264
PORTAL TO PORTAL MILEAGE - TEST EQUIPMENT TRANSPORT	2	72	\$0.56	\$81
<i>Preliminary Sub-Total of Onsite Testing & Inspection (approx.)</i>				\$3,161

ITEM: II OFFSITE TESTING & INSPECTIONS	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
REBAR SAMPLE & TAG	1	4	\$88	\$352
BATCH PLANT	2	4	\$88	\$704
<i>Preliminary Sub-Total of Offsite Testing & Inspection (approx.)</i>				\$1,056

ITEM: III LABORATORY TESTING & ENGINEERING	ESTIMATED UNITS/HOURS	UNIT PRICE	ESTIMATED TOTAL
CONCRETE COMPRESSION TESTS (SET OF 5-4x8 CYLINDERS)	10	\$22	\$220
REBAR TENSILE AND BEND TEST (#3 TO #8)	1	\$175	\$175
SAMPLE PICK-UPS	11	\$8	\$88
MIX DESIGN REVIEW	1	\$175	\$175
STAFF ENGINEER	1	\$110	\$110
FIELD SUPERVISION	1	\$110	\$110
PROJECT MANAGEMENT	1	\$110	\$110
PRINCIPAL ENGINEER	1	\$256	\$256
FINAL LETTER/ENGINEER REVIEW	1	\$150	\$150
INTERIM FINAL LETTER	1	\$75	\$75
FINAL LETTER/STAMPED SUBMITTAL	1	\$250	\$250
<i>Preliminary Subtotal of Laboratory Testing & Engineering (approx.)</i>			\$1,719

<i>Preliminary Estimated Fees</i>	\$5,936
<i>Project Administration 9%</i>	\$534
<i>Total Preliminary Estimated Fees</i>	\$6,470

ITEM: IV ADD ALTERNATE ITEMS	ESTIMATED DAYS	ESTIMATED UNITS/HOURS	UNIT PRICE	ESTIMATED TOTAL
GEOTECHNICAL SERVICES				
SOILS COMPACTION - OFF-SITE/PARKING LOTS	2	4	\$120	\$960
PORTAL TO PORTAL TRAVEL TIME - NUC GAUGE TRANSPORT	1	1.5	\$120	\$180
PORTAL TO PORTAL MILEAGE - NUC GAUGE TRANSPORT	1	72	\$0.56	\$40
GEOTECHNICAL LABORATORY SERVICES				
COMPACTION CURVES		1	\$375	\$375
SAMPLE PICK-UPS		1	\$8	\$8
<i>Preliminary Sub-Total of Geotechnical Testing & Inspection (approx.)</i>				\$1,563

<i>Preliminary Estimated Fees</i>	\$1,563
<i>Project Administration 9%</i>	\$141
<i>Total Preliminary Estimated Fees</i>	\$1,704

If work is performed at night a 12.5% differential will be charged.

A 9% project administration fee will be charged monthly per invoice.

No contingency is budgeted by CTS for uncontrollable overtime, union or prevailing wage increases and unforeseen requirements that may arise in the specifications, as well as for work over the estimated hours. Owner should budget appropriate amount for budgetary purposes.

Estimate based on plans by Base Design dated, 9/22/2021. No construction schedule was available at the time this estimate was prepared. See attached fee schedule for basis of charges.

The liability of Construction Testing Services (CTS) is limited to CTS's contract value.

Estimate includes portal to portal travel time for nuclear gauge transport from laboratory per requirements of the CA Radiological Health Branch.



**CONSTRUCTION
TESTING SERVICES**

PRELIMINARY ESTIMATE: INSPECTIONS & TESTING

DATE: 12/22/21
PROPOSAL No.: P20986
CLIENT: SAN MATEO FOSTER CITY SCHOOL DISTRICT
PROJECT: NORTH SHOREVIEW ELEMENTARY SCHOOL
LOCATION: SAN MATEO, CA

ITEM: I	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
ONSITE TESTING & INSPECTIONS				
REINFORCING STEEL & CONCRETE				
SLAB ON GRADE	1	4	\$88	\$352
MISC FIELD TESTING SERVICES				
EPOXY REBAR/BOLTS - INSTALL OBSERVATION	1	4	\$88	\$352
EPOXY REBAR/ BOLTS - PROOF LOADING/PULL TESTING (PORTAL TO PORTAL)	1	4	\$88	\$352
PORTAL TO PORTAL TRAVEL TIME - TEST EQUIPMENT TRANSPORT	1	1	\$88	\$88
PORTAL TO PORTAL MILEAGE - TEST EQUIPMENT TRANSPORT	1	74	\$0.56	\$41
<i>Preliminary Sub-Total of Onsite Testing & Inspection (approx.)</i>				\$1,185

ITEM: II	ESTIMATED DAYS	ESTIMATED HOURS	UNIT PRICE	ESTIMATED TOTAL
OFFSITE TESTING & INSPECTIONS				
BATCH PLANT	1	4	\$88	\$352
REBAR SAMPLE & TAG	1	4	\$88	\$352
<i>Preliminary Sub-Total of Offsite Testing & Inspection (approx.)</i>				\$704

ITEM: III	ESTIMATED UNITS/HOURS	UNIT PRICE	ESTIMATED TOTAL
LABORATORY TESTING & ENGINEERING			
CONCRETE COMPRESSION TESTS (SET OF 5-4x8 CYLINDERS)	5	\$22	\$110
REBAR TENSILE AND BEND TEST (#3 TO #8)	2	\$175	\$350
SAMPLE PICK-UPS	7	\$8	\$56
MIX DESIGN REVIEW	1	\$175	\$175
STAFF ENGINEER	1	\$110	\$110
FIELD SUPERVISION	1	\$110	\$110
PROJECT MANAGEMENT	1	\$110	\$110
PRINCIPAL ENGINEER	1	\$256	\$256
FINAL LETTER/ENGINEER REVIEW	1	\$150	\$150
INTERIM FINAL LETTER	1	\$75	\$75
CERTIFIED PAYROLL	1	\$250	\$250
<i>Preliminary Subtotal of Laboratory Testing & Engineering (approx.)</i>			\$1,752
<i>Preliminary Estimated Fees</i>			\$3,641
<i>Project Administration 9%</i>			\$328
<i>Total Preliminary Estimated Fees</i>			\$3,969

ITEM: IV	ESTIMATED DAYS	ESTIMATED UNITS/HOURS	UNIT PRICE	ESTIMATED TOTAL
ADD ALTERNATE ITEMS				
GEOTECHNICAL SERVICES				
SOILS COMPACTION - OFF-SITE/PARKING LOTS	1	4	\$120	\$480
PORTAL TO PORTAL TRAVEL TIME - NUC GAUGE TRANSPORT	1	1	\$120	\$120
PORTAL TO PORTAL MILEAGE - NUC GAUGE TRANSPORT	1	74	\$0.56	\$41
GEOTECHNICAL LABORATORY SERVICES				
COMPACTION CURVES		1	\$375	\$375
SAMPLE PICK-UPS		1	\$8	\$8
<i>Preliminary Sub-Total of Geotechnical Testing & Inspection (approx.)</i>				\$1,024
<i>Preliminary Estimated Fees</i>				\$1,024
<i>Project Administration 9%</i>				\$92
<i>Total Preliminary Estimated Fees</i>				\$1,117

* Steel shop price based on work being done in Northern California in one shop and one shift. If work is performed at night a 12.5% differential will be charged.

A 9% project administration fee will be charged monthly per invoice.

No contingency is budgeted by CTS for uncontrollable overtime, union or prevailing wage increases and unforeseen requirements that may arise in the specifications, as well as for work over the estimated hours. Owner should budget appropriate amount for budgetary purposes.

Estimate based on plans by Base Design dated, 10/22/21. No construction schedule was available at the time this estimate was prepared. See attached fee schedule for basis of charges.

The liability of Construction Testing Services (CTS) is limited to CTS's contract value.

Estimate includes portal to portal travel time for nuclear gauge transport from laboratory per requirements of the CA Radiological Health Branch.



2021 FEE SCHEDULE - P20983 12/22/2021
PERSONNEL FEES AND BASIS OF CHARGES
 INSPECTIONS, ENGINEERING & SPECIAL SERVICES

	Standard Rate/Hour	Discounted Rate/Hour
* FIELD INSPECTION AND LABORATORY SERVICE		
Steel Visual	\$225.00	\$88.00
Nondestructive - UT, MT, PT	\$230.00	\$88.00
Steel Visual/UT Combination	\$230.00	\$88.00
Concrete ACI	\$225.00	\$88.00
Concrete ICC	\$225.00	\$88.00
Masonry	\$225.00	\$130.00
Fireproofing	\$225.00	
Shear Wall Nailing/Framing/Hold Downs	\$225.00	
Soil Technician w/Nuclear Gauge and/or Sand Cone (portal-to-portal)	\$226.00	\$120.00
Asphalt Technician (portal-to-portal)	\$225.00	
Shoring/Soldier Piers	\$225.00	
Roofing & Waterproofing	\$225.00	
Multi-Disciplined Inspector	\$225.00	
Inspector Requiring G1 Pay Grade	\$275.00	
Specialty Inspector or Where Formal Certification is Required	\$225.00	
Field Inspector with Special Enhancement	\$225.00	
Safety Manager/Safety Inspector/JobSite Safety Accountability Supervisor (JSAS)	\$500.00	
Laboratory Technician	\$225.00	
Technician Typist	\$225.00	
**PROFESSIONAL ENGINEERING SERVICES		
Principal Engineer (Civil/Structural)	\$360.00	\$256.00
Geotechnical Engineer	\$315.00	
Professional Geologist	\$300.00	
Consulting Engineer (Civil/Structural)	\$295.00	
Associate Engineer, Licensed	\$265.00	\$150.00
Project Manager	\$225.00	\$110.00
Staff Engineer	\$225.00	\$110.00
Field Supervision	\$225.00	\$110.00
ASNT Level III	\$275.00	
Drafting	\$160.00	
Quality Control Manager	QOR	
SPECIAL SERVICES		
Portable and Mobile Laboratories, NDT and Soils	QOR	
* Epoxy Bolt/Expansion Anchor - Installation Observation	\$225.00	\$88.00
* Epoxy Bolt/Expansion Anchor Proof Load Testing (portal-to-portal)	\$225.00	\$88.00
* Coring, 1 Person (including equipment) (portal-to-portal)	\$300.00	
* Coring, 2 Persons (including equipment) (portal-to-portal)	\$455.00	
* Asphalt Coring (portal-to-portal)	\$325.00	
Project Research	QOR	
Ultrasonic Testing for Non-Metallic Materials	QOR	
Pavement Rehabilitation Analysis Using Deflections	QOR	
Roof Moisture Survey	QOR	
Soil Drilling Equipment	QOR	
Geotechnical Site Investigations/Foundation Reports	QOR	
Pachometer, Schmidt Hammer, Windsor Probe, Skidmore - Equipment Fee \$115/Day (portal-to-portal)	\$300.00	
Ultrasonic Pulse Velocity Testing - Equipment Fee \$250/Day (portal-to-portal)	\$650.00	
Floor Flatness Testing FF/FL - Equipment Fee \$115/Day (portal-to-portal)	\$300.00	
Measuring Moisture Vapor Emission Rate (Calcium Chloride) - \$55/Kit (portal-to-portal)	\$300.00	
Relative Humidity Testing - \$75/Kit (portal-to-portal)	\$300.00	
Ferrosan - Equipment Fee \$115/day (portal-to-portal)	\$300.00	
GPR - Equipment Fee \$115/day (portal-to-portal)	\$375.00	
Administration, Secretarial, Special Projects, Notary, Certified Payroll	\$175.00	
Concrete/Grout/Mortar Mix Design Review (less than 48 hours notice - \$500)	\$360.00	\$175.00
Welding Procedure Review (less than 48 hours notice - \$500)	\$360.00	
Procedure Qualification Record (PQR) - Standard Procedure (document fee)	\$500.00	
Welding Procedure Specification (WPS) - Standard Procedure (document fee)	\$500.00	
Welder Qualification Test Record (WQTR) - Standard Procedure (document fee)	\$500.00	
DSA Interim Reports	\$485.00	\$75.00
Geotechnical Pad Letter (less than 48 hours notice - \$550)	\$350.00	
Final Letter (less than 48 hours notice - \$550)	\$360.00	\$250.00
EXPERT WITNESS TESTIMONY		
Court appearance, per day	\$2,500.00	
Court appearance, per half day	\$1,500.00	

* Field inspection and laboratory technician services will be billed in accordance with minimums shown on Basis of Charges.

**Professional engineering services will be billed in two hour increments.



BASIS OF CHARGES

GENERAL

Fees for tests and inspection include cost of technician, normal equipment and regular reports. Engineering services will be charged at applicable rates and will require travel and mileage charges for equipment transport and storage per code (portal to portal) from the nearest CTS laboratory. Soils testing with nuclear gauge and/or sand cone equipment and inspections requiring equipment will require applicable travel and mileage charges for equipment transport and storage per code (portal-to-portal) from the nearest CTS laboratory. Fees for special projects, services overseas, or elsewhere in the United States, will be quoted on request. With prior notification to Client; charges are subject to change at any time. Construction Testing Services reserves the right to adjust the rates quoted in this contract based upon any Union or prevailing wage increases and/or changes in any industry requirements.

MINIMUM HOURLY CHARGES – INSPECTION

Technician personnel and the following minimum charges are contractual commitment:

One-half day or less	4 Hours
Over one-half day	8 Hours
Show-up time (less than 2 hours notice = 4 hour charge)	2 Hours

WORKING HOURS AND PREMIUM TIME

Regular workday is the first 8 hours between 6:00 am and 6:00 pm Monday through Friday. Premium time is as follows:

Overtime, Weekdays and Saturdays (first 8 hours)	1.5 x quoted hourly rate
Overtime Saturdays (over 8 hours) and Sundays (first 8 hours)	2 x quoted hourly rate
Overtime Sundays (over 8 hours) and Holidays	3 x quoted hourly rate
Shift differential, swing and graveyard - (Work performed between 2:00 pm and 4:00 am)	12.5%/hour additional to base or quoted rate.

MISCELLANEOUS CHARGES - Only Where Applicable

Notary Services Fee	\$40.00/each	
Facsimile Charges. Plus \$1.00/page (n/c for cover page)	\$7.00/minimum	
Wireless Router/Data Card for Jobsite Internet	\$135.00/day	
iPad Monthly Rental Fee	\$100.00/month	
Electronic Reporting Fees/Subscriptions (PlanGrid, BIM, etc.)	At Cost	
Parking Fees	At Cost	
Air Travel	Cost Plus 10%	
Outside Services	Cost Plus 20%	
Subsistence (per Union contract)	\$130.00/day	
Subsistence Premium: Meal Allowance (over 100 miles one way) (per Union contract)	\$30.00/day	
Subsistence Premium: Meal Allowance (over 150 miles one way) (per Union contract)	\$85.00/day	
Mileage	Standard Federal Rate	
Sample Pickup	\$30.00/each	\$8.00/each
Weekend Sample Pickup	\$110.00/each	
Project Administration	15% of Monthly Invoice	9% of Monthly Invoice
Samples Made by Others: Concrete Cylinders	\$130 + Test	
Samples Made by Others: All Other Tests	\$55.00 + Test	
Laboratory Sample Witness Fee	\$130.00	
Laboratory Sample Storage Fee (per sample)	\$120.00	
EZ Cure Boxes (Thermostatically Controlled Curing Boxes)	QOR	
Returned Check Fee	\$150.00	

TESTS

Testing fees shown include normal time for performing test. Samples requiring special preparation will be charged at the laboratory technician rate. Fees for tests not listed will be quoted upon request. There will be a minimum charge of \$100.00 for any engineering report. Please note some tests may be tested by subconsultants. Samples delivered to the laboratory after 3:00pm or samples needing results within 24 hours will incur a 50% mark-up.

INSURANCE

The liability of Construction Testing Services (CTS) is limited to CTS's contract value.

PAYMENT

Invoices will be submitted monthly or bimonthly for services performed during the preceding month and are payable on receipt. Interest of 1.5% per month (but not exceeding the maximum rate allowable by law) will be payable on any amounts not paid within 30 days, payment thereafter to be applied first to accrued interest and then to the principle unpaid amount. Attorney's fees or other costs incurred in collecting any delinquent amount shall be paid by client. Visa, MasterCard and American Express payments are accepted however fees will apply. Visa and MasterCard payments require an additional 3% on top of the amount of the invoice being paid. American Express payments require an additional 4% on top of the amount of the invoice being paid.



CONCRETE AND MASONRY TESTS

		Standard Rate/Each	Discounted Rate/Each
CONCRETE			
Compressive Strength of Cylindrical Concrete Specimens (6x12)	ASTM C39	\$85.00	\$22.00
Compressive Strength of Cylindrical Concrete Specimens (4x8)	ASTM C39	\$85.00	\$22.00
Compressive Strength of Cylindrical Concrete Specimens (Over 8000 PSI)	ASTM C39	\$150.00	
Cylinder molds. 6" x 12" and 4" x 8"	ASTM C470	\$80.00	
Compressive Strength of Lightweight Insulating Concrete	ASTM C495	\$100.00	
Obtaining and Testing Sawed Beams and Drilled Cores of Concrete (Cores)	ASTM C42	\$125.00	
Flexural Toughness of Fiber Reinforced Concrete (Round Panel)	ASTM C1550	\$500.00	
Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	ASTM C78	\$325.00	
Flex Beams per Caltrans Test Methods	CT523 and CT524	\$325.00	
Length Change of Hardened Hydraulic-Cement Mortar and Concrete (Shrinkage, 1 Sample)	ASTM C157	\$165.00	
Shotcrete Nozzleman Qualification Letter (Per Nozzleman, Per Position)	ACI 506, ASTM C42 and C1140	\$450.00	
Shotcrete Pre-Qualification Cores (Compression and Visual)	ACI 506, ASTM C42 and C1140	\$115.00	
Shotcrete Production Cores	ASTM C1140	\$115.00	
Coefficient of Thermal Expansion	AASHTO T336	\$540.00	
Determining Density of Structural Lightweight Concrete (Cylinders)	ASTM C567	\$425.00	
Standard Specification for Concrete Made by Volumetric Batching and Mixing	ASTM C685	\$975.00	
Cement Quality Sampling	CBC 2010	\$675.00	
Physical Testing of Gypsum, Gypsum Plasters and Gypsum Concrete	ASTM C472	\$60.00	
Splitting Tensile Strength of Cylindrical Concrete Specimens	ASTM C496	\$265.00	
Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression	ASTM C469	\$225.00	
Grab Sample, Sealing and Storing in a Humidity and Temperature Controlled Room	CBC	\$155.00	
Density of Hydraulic Cement	ASTM C188	\$200.00	
Testing of Controlled Low Strength Material (CLSM) Test Cylinders	ASTM D4832	\$160.00	
GFRC Pull Test	PCI	\$400.00	
GFRC Flexural Test	PCI	\$400.00	
Foaming Agents for Use in Producing Cellular Concrete Using Preformed Foam (Cell-Crete)	ASTM C796	\$550.00	
MASONRY			
Compressive Testing of Grout (Masonry)	ASTM C1019	\$130.00	\$45.00
Compressive Strength of Hydraulic Cement Mortars Using 2" Cube Specimens	ASTM C109	\$130.00	
Compressive Strength of Masonry Prisms	ASTM C1314	\$200.00	\$110.00
Testing Concrete Masonry Units and Related Units (Core Compression)	CBC 2105A.4	\$200.00	
Compressive Strength of Molded Masonry Mortar Cylinders and Cubes (2" Sample)	ASTM C780 A7.6	\$130.00	\$45.00
Testing Concrete Masonry Units (CMU) and Related Units (Full Unit)	ASTM C140	\$200.00	
Linear Drying Shrinkage of Concrete Masonry Units (Per Unit)	ASTM C426	\$300.00	
Masonry Core Shear Testing	CBC 2105A.4	\$300.00	
Testing Concrete Masonry Units (Absorption, Moisture Content, Unit Weight)	ASTM C140	\$375.00	\$175.00
Brick and Clay Tile (modulus of rupture, compression, saturation coefficient, suction rate, efflorescence)*	ASTM C67	\$1,000.00	
Mortar Molds. 2" x 4". Single Use		\$130.00	
Mortar or Grout, Stored and Cured, Not Tested (Including Mold)		\$130.00	
AGGREGATES (SOILS AND CONCRETE)			
Determining Sieve Analysis of Fine and Coarse Aggregates (Coarse Only)	CT202/ASTM C136	\$235.00	
Sieve Analysis of Fine and Coarse Aggregates (Fine Only)	CT202/ASTM C136	\$305.00	
Sieve Analysis of Fine and Coarse Aggregates (Wash Included)	CT202/ASTM C117	\$385.00	
Sieve Analysis of Fine and Coarse Aggregates (200 Wash Only)	ASTM C117/D1140	\$235.00	
Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	ASTM D6913	\$385.00	
Evaluating Cleanliness of Coarse Aggregate	CT227	\$385.00	
Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	ASTM C88/CT214	\$300.00	
Unit Weight of Aggregate	CT212	\$200.00	
Clay Lumps and Friable Particles in Aggregates	ASTM C142	\$225.00	
Flat Particles, Elongated Particles or Flat and Elongated Particles in Coarse Aggregate	ASTM D4791/CT235	\$400.00	
Organic Impurities in Fine Aggregates for Concrete	CT213/ASTM C40	\$400.00	
Density, Relative Density(Specific Gravity), and Absorption of Coarse Aggregate	ASTM C127/CT206	\$400.00	
Density, Relative Density(Specific Gravity), and Absorption of Fine Aggregate	ASTM C128/CT207	\$400.00	
Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer	ASTM D854	\$400.00	
Resistance to Degradation of Small Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C131(535) and C211	\$550.00	
Percentage of Crushed Particles/Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate	ASTM D5821/CT205	\$425.00	
Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading)	ASTM C1252/AASHTO T304A	\$425.00	
Sand Equivalent Value of Soils and Fine Aggregate	ASTM D2419/CT217	\$300.00	
Durability Index (Fine)	ASTM D3744/CT229	\$425.00	
Durability Index (Coarse)	ASTM D3744/CT229	\$425.00	
Durability Index (Fine and Coarse)	ASTM D 3744/CT229	\$425.00	
Lightweight Particles in Aggregate	ASTM C123/AASHTO T113	QOR	
Resistance of Rock to Wetting and Drying	CRD-C169	\$600.00	
Aggregate Moisture Content	ASTM C566	\$600.00	

*Unusual sample preparation for brick specimen will be charged at the established hourly rate.



SOILS, AGGREGATE, ASPHALTIC CONCRETE SERVICES & TESTS

SOILS		Standard Rate/Each	Discounted Rate/Each
Direct Shear Test of Soils Under Consolidated Drained Conditions	ASTM D3080	\$550.00	
Consolidated Undrained Triaxial Compression Test for Cohesive Soils (per point)	ASTM D4767	\$1,000.00	
Consolidated Undrained Triaxial Compression Test for Cohesive Soils (added points)	ASTM D4767	\$225.00	
Consolidated Undrained Triaxial Compression Test for Cohesive Soils (single point)	ASTM D4767	\$350.00	
One-Dimensional Consolidation Properties of Soils Using Incremental Loading	ASTM D2435	\$325.00	
Caltrans Corrosivity Package		\$525.00	
Determining Field and Laboratory Resistivity and pH Measurements for Soil and Water	CT643	QOR	
Soils and Waters for Sulfate Content	CT417	QOR	
Soils and Waters for Chloride Content	CT422	QOR	
Particle-Size Analysis of Soils (with Hydrometer)	ASTM D422	\$600.00	
		\$650.00	
Pore Water Extraction and Determination of the Soluble Salt Content of Soils by Refractometer	ASTM D4542		
Standard Test Method for Particle-Size Analysis of Soils (without Hydrometer)	ASTM D422	\$550.00	
Liquid Limit, Plastic Limit, and Plasticity Index of Soils	ASTM D4318/CT204	\$550.00	
Laboratory Compaction Characteristics of Soil Using Modified/Standard Effort	ASTM D1557/D698	\$525.00	\$375.00
Hydrometer Only	ASTM D422	\$550.00	
pH of Soils	ASTM D4972	\$500.00	
Relative Compaction of Untreated and Treated Soils and Aggregates	CT216	\$600.00	
Determining the Resistance "R" Value of Treated and Untreated Bases, Subbases, and Basement		\$600.00	
Soils by the Stabilometer	ASTM D2844/CT301		
Laboratory Determination of Water(*moisture) Content of Soil and Rock by Mass	ASTM D2216/CT226	\$165.00	
Density of Soil in Place by the Drive-Cylinder Method	D2937	\$125.00	
Expansion Index of Soils	ASTM D4829	\$125.00	
Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter (Permeability)		\$575.00	
Lab Compaction Characteristics of Soil 1 Point Proctor (Check Point)	ASTM D5084/CT220		
Maximum Index Density and Unit Weight of Soils Using a Vibratory Table	ASTM D698/D1557	\$350.00	
Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density	ASTM D4253	\$300.00	
Density of Hydraulic Cement	ASTM D4254	\$300.00	
Volatile Organic Content	ASTM C188	\$375.00	
Semi Volatile Organics by GC/MS (Basic Target List)	EPA 8260B	QOR	
Total Organic Carbon	EPA 8270C	QOR	
ICP Metals Concentration	ASTM 2974/EPA 5310Bm	QOR	
Total Extractable Petroleum Hydrocarbons: TPH, MTBE, Benzene, Toluene, Ethylbenzene, Zylenes, %SS	EPA 6020 - CAM/CCR 17	QOR	
ICP Metals Concentration		QOR	
pH	EPA 8015B	QOR	
Sequential Batch Extraction of Waste with Acidic Extraction Fluid	EPA 6020	QOR	
Chromium Soluble	EPA 9045D	\$550.00	
Moisture, Ash and Organic Matter of Peat and Other Organic Soils (Organic Content)	ASTM D5284	QOR	
Universal Soil Classification System (USCS) Test	EPA 7196A	QOR	
California Bearing Ratio Test	ASTM D2974	\$300.00	
Unconfined Compressive Strength of Cohesive Soil	ASTM D2487	\$325.00	
	ASTM D1883	\$385.00	
	ASTM D2166/CT221	\$200.00	
ASPHALT			
Quantitative Extraction of Bitumen from Bituminous Paving Mixtures (Solvent)	ASTM D2172/CT310	\$750.00	
Determining Low Temperature Performance Grade (PG) of Asphalt Binders	ASTM 6816	QOR	
Thickness/Height of Compacted Bituminous Paving Mixture Specimens (Cores)	ASTM D3549/CT308	\$285.00	
Method of Prep of Bituminous Mixture Test Specimens	ASTM D6926/CT304	\$285.00	
		\$995.00	
Bulk Specific Gravity and Density of Compacted Bituminous Mixtures (LTMD)	ASTM D1188 and D2726/CT308		
Bulk Specific Gravity of Core	AASHTO T275	\$175.00	
Indirect Tensile (IDT) Strength of Bituminous Mixtures (TSR)	ASTM D6931/CT371	\$3,200.00	
Mechanical Size Analysis (Coarse and Fine) of Extracted Aggregate	ASTM D5444/CT202	\$410.00	
Marshall Stability and Flow of Bituminous Mixtures	ASTM D6927	\$995.00	
Theoretical Maximum Specific Gravity and Density (Rice)	ASTM D2041/CT309	\$425.00	
Measuring the Permeability of Bituminous Pavements and Seal Coats	CT341	QOR	
Swell of Bituminous Mixtures	CT305	\$400.00	
		\$950.00	
Moisture Vapor Susceptibility of Bituminous Mixtures/Moisture or Volatile Distillates in Asphalt	ASTM D1461/CT307		
Stabilometer Value (1 sample)	CT366	\$400.00	
Determination of Asphalt Content of Bituminous Paving Mixtures by the Ignition Method	CT382/ASTM D6307	\$425.00	
Determination of Correction Factor of Bituminous Paving Mixtures by the Ignition Method	CT382/ASTM D6307	\$425.00	
Determination of Asphalt and Moisture Contents of Bituminous Mixtures by Microwave Oven	CT370	\$425.00	
Effect of Water on Compressive Strength of Compacted Bituminous Mixtures (Set of 6)	ASTM D1075	\$3,500.00	
Compressive Strength of Bituminous Mixtures	ASTM D1074	\$300.00	
Hamburg Wheel Track	AASHTO T324	\$3,750.00	
Moisture Susceptibility	AASHTO T283	\$3,750.00	
Air Voids		\$500.00	

* Unusual sample preparation (dried clays, saturated clays, etc.) and all other tests for treated or untreated soils, aggregate subbase and aggregate base will be charged at established rates for laboratory technician.

** Does not include sample preparation or sieve analysis



		Standard Rate/Each	Discounted Rate/Each
MATERIALS MECHANICAL TESTS			
Mechanical Testing of Steel Products (General Tensile)	ASTM A370	\$500.00	
Fillet Weld Break Test for Qualification (Welding)	AWS B4.0	\$225.00	
Tension Testing of Metallic Materials, Tension Testing Wrought and Cast Aluminum and Magnesium-Alloy Products, (Welding Coupon Tensile)	ASTM E8, B557 and AWS B4.0	\$500.00	
Mechanical Testing of Steel Products (Couplers)	ASTM A370	\$500.00	
Impact Testing of Miniaturized Charpy V-Notch Specimens, Notched Bar Impact Testing of Metallic Materials	ASTM E2248 and ASTM E23	QOR	
Testing, Practices, and Terminology for Chemical Analysis of Steel Products	ASTM A751	\$350.00	
Mechanical Testing of Steel Products & Bend Testing of Material for Ductility; #3-#8	ASTM A370 and E290	\$400.00	\$175.00
Mechanical Testing of Steel Products & Bend Testing of Material for Ductility; #9-#11	ASTM A370 and E290	\$465.00	
Mechanical Testing of Steel Products & Bend Testing of Material for Ductility; #14+	ASTM A370 and E290	QOR	
Mechanical Testing of Steel Products, Standard Specification for Steel Wire, Plain, for Concrete Reinforcement	ASTM A370, A82 and A185	\$465.00	
Guided Bend Test for Ductility of Welds, Mechanical Testing of Welds	ASTM E190 and AWS B4.0	\$300.00	
Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Anchor Bolts Only (Tension and Yield)	ASTM F307, F1554 and F606	\$550.00	
Rockwell Hardness of Metallic Materials	ASTM E18	\$165.00	
Proof Test for Carbon and Alloy Steel (Nuts Only)	ASTM A194 or A563	\$350.00	
Radiographic Examination of Metallic Castings/Weldments	ASTM E94, E1030 and E1032	QOR	
Macroetching Metals and Alloys	ASTM E340, E381 and AWS	\$350.00	
Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets (HSB Assemblies)	ASTM F606	\$400.00	
Mechanical Testing of Steel Products (Terminators Tensile)	ASTM A370	\$400.00	
Strength for Sewn or Bonded Seams of Geotextiles	ASTM D4884	\$350.00	
Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure	ASTM D2261	\$350.00	
Breaking Strength and Elongation of Textile Fabrics (Grab Test)	ASTM D5034	\$300.00	
Tensile Properties of Fiber Reinforced Polymer Matrix Composite Bars	ASTM D3039	\$1,000.00	
Steel Strand, Uncoated Seven-Wire for Prestressed Concrete (Set of 2)	ASTM A416 and A1061	\$1,500.00	
FIREPROOFING			
Thickness and Density of Sprayed Fire-Resistive Material (SFRM)	ASTM E605	\$285.00	
Cohesion/Adhesion of Sprayed Fire-Resistive Materials (Test Kit Only)	ASTM E736	\$80.00	

CONTACT INFORMATION

Headquarters: 2118 Rheem Drive • Pleasanton, CA 94588 • P 925.462.5151 • F 925.462.5183
Peninsula: 50 California Street, Suite 1500 • San Francisco, CA 94111 • P 415.334.4747 • F 415.438.2357
Oakland: 246 30th Street, Suite 101 • Oakland, CA 94601 • P 510.444.4747 • F 510.835.1825
San Jose: 2033 Gateway Place, #500 • San Jose, CA 95110 • P 408.573.6992 • F 408.437.1201
Stockton: 343 East Main Street, #711 • Stockton, CA 95202 • P 209.507.7555 • F 209.507.7554
Rocklin: 4400 Yankee Hill Road • Rocklin, CA 95677 • P 916.419.4747 • F 916.419.4774
Las Vegas: 3842 E. Post Road • Las Vegas, NV 89120 • P 702.257.4747 • F 702.257.4718