Board Office Use: Les	
File ID Number	12 -07 79 Facilities
Committee	Facilities
Introduction Date	3-28-2012
Enactment Number	12-1006
Enactment Date	3-29-1222



Memo

То	Board of Education
From	Tony Smith, Ed.D., Superintendent Timothy White, Associate Superintendent, Facilities Planning and Management
Board Meeting Date	March 28, 2012
Subject	Independent Consultant Agreement - Ninyo & Moore-Laurel CDC Building Replacement Project
Action Requested	Approval by the Board of Education of an Independent Consultant Agreement with Ninyo & Moore for Geotechnical Services on behalf of the District at Laurel CDC Building Replacement Project, in an amount not-to exceed \$79,726.00. The term of this Agreement shall commence on May 1, 2012 and shall conclude no later than December 31, 2013.
Background	The existing Laurel Child Developmet Center building is in very poor condition and beyond repair. It is more cost effective to demolish the existing building and construct a new building. The Division of State Architect (DSA) mandates special inspection services for material testing, observation and inspection during construction to verify compliance with building codes.
Local Business Participation Percentage	100.00%
Strategic Alignment	Among the key purposes of the District's Facilities Master Plan is to provide an academic environment for the Oakland community that will give every student, educator, and community member using our facilities the best possible opportunity for learning.
	Through implementation of the Facilities Master Plan, the District intends to improve the District's facilities in terms of structural integrity, safety, reliability of operating (mechanical) systems, access to modern resources, number and type of appropriate laboratories and specialized instruction rooms, opportunities for physical education, and attractiveness, such that the Oakland Public Schools are second to none. Operation of the District schools under the planned approach is intended to ensure safety, cleanliness, and orderliness for



	all individuals participating in the learning process.
	The basic facility needs of students such as proper lighting, functional roofs, noise control and well maintained buildings, not only convey the message that we value our students and teachers but may foster a sense of school pride and community ownership which may improve attitudes towards learning. The implementation of the Facilities Master Plan is our first step in that direction.
Recommendation	Approval by the Board of Education of an Independent Consultant Agreement with Ninyo & Moore for Geotechnical Services on behalf of the District at Laurel CDC Building Replacement Project, in an amount not-to exceed \$79,726.00. The term of this Agreement shall commence on May 1, 2012 and shall conclude no later than December 31, 2013.
Fiscal Impact	General Obligation Bond-Measure B
Attachments	Independent Consultant Agreement including scope of work

INDEPENDENT CONSULTANT AGREEMENT

This Independent Consultant Agreement for Services ("Agreement") is made as of March 7, 2012, between the Oakland Unified School District ("District") and Ninyo & Moore ("Consultant") (together, "Parties") for the Laurel CDC Building Replacement Project.

- 1. Services. The Consultant shall furnish to the District the services as described in Exhibit "A" attached hereto and incorporated herein by this reference ("Services" or "Work")-Proposal dated January 20, 2012.
- 2. Term. Consultant shall commence providing services under this Agreement upon execution of the Agreement by both parties, and will diligently perform such services as required. The term for services and schedule to provide services shall be in accordance with the schedule included in the Consultant's Proposal, Attachment "A":
- 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;
 - Signed Agreement Workers' Compensation Certificate, if necessary Criminal Background Investigation Certification, if necessary **Insurance Certificates and Endorsements** W-9 Form
- 4. Compensation. District compensation to the Consultant shall be as set forth in Exhibit "A" as the proposed fee for services, but in no event shall total fees, costs, and expenses exceed \$79,726.00, without the express approval of the Board.
- 5. Expenses. District shall not be liable to Consultant for any costs or expenses paid or incurred by Consultant in performing services for District, other than as proved in Attachment "A."
- 6. Independent Consultant. Consultant, in the performance of this Agreement, shall be and act as an independent Consultant. Consultant understands and agrees that he/she and all of his/her 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.
- 7. Materials. Consultant shall furnish, at his her own expense, all labor, materials, equipment, supplies and other items necessary to complete the services to be provided pursuant to this

INSI.

DNINNY Laurel CDC Building Replacement Project Project Number: 07027

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Agreement.

- 8. Standard of Care. Consultant's services will be performed, findings obtained, reports and recommendations prepared in accordance with generally and currently accepted principles and practices of his/her profession for services to California school districts.
- 9. Originality of Services. 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 three (3) 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. 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. In the event that District terminates this Agreement pursuant to this section, District shall compensate Consultant for work completed to date as a prorata amount of the full fees, costs, and expenses.
- 12.2. 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

Laurel CDC Building Replacement Project Number: 07027 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.

- 12.3. With Cause by District. District may terminate this Agreement upon giving of written notice of intention to terminate for cause. Cause shall include:
 - 12.3.1. material violation of this Agreement by the Consultant; or
 - 12.3.2. any act by Consultant exposing the District to liability to others for personal injury or property damage; or
 - 12.3.3. 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 costs to the District exceeds 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.

- 12.4 Upon termination, Consultant shall provide the District with all documents produced maintained or collected by Consultant pursuant to this Agreement, whether or not such documents are final or draft documents.
- 13. **Indemnification:** CONSULTANT agrees to hold harmless, indemnify, and defend OUSD and its officers, agents, and employees from:
 - 13.1. any and all claims or losses accruing or resulting from injury, damage, or death of any person, firm, or corporation in connection with the performance of this Agreement. CONSULTANT also agrees to hold harmless, indemnify, and defend OUSD and its elective board, officers, agents, and employees from any and all claims or losses incurred by any supplier, Consultant, or subConsultant furnishing work, services, or materials to CONSULTANT in connection with the performance of this Agreement. This provision survives termination of this Agreement ;
 - 13.2. CONSULTANT shall indemnify, defend, and hold District, its directors, officers, agents, employees and representatives harmless from and against all claims, demands and judgments of any description arising out of or alleged to have arisen out of performance or nonperformance of the services under this Agreement to the extent that such claims, demands and judgments are the result of any error, omission or

negligent act of CONSULTANT or any person employed or agent engaged by CONSULTANT.

13.3. CONSULTANT shall place in its sub contracting / sub-consulting agreements and cause its sub-Consultants / sub-CONSULTANTs to agree to indemnities, defense and insurance obligations in the exact form and substance of those contained herein, each naming the District as an additional beneficiary or insured.

14. Insurance.

- 14.1. The Consultant shall procure and maintain at all times it performs any portion of the Services the following insurance:
 - 14.1.1. General Liability. Two Million Dollars (\$2,000,000) combined single limit per occurrence for bodily injury, personal injury and property damage in the form of Comprehensive General Liability and Contractual Liability. If Commercial General Liability or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to each project/location or the general aggregate limit shall be twice the required occurrence limit.
 - 14.1.2. Automobile Liability Insurance. Automobile Liability Insurance, Occurrence Form, that shall protect the Consultant the District from all claims of bodily injury, property damage, personal injury, death, and medical payments arising performing any portion of the Services by Consultant.
 - 14.1.3. Workers' Compensation and Employers' Liability Insurance. For all of the Consultant's employees who are subject to this Agreement and to the extent required by the applicable state or federal law, Consultant shall keep in full force and effect, a Workers' Compensation policy. That policy shall provide employers' liability coverage with minimum liability coverage of One Million Dollars (\$1,000,000) per accident for bodily injury or disease. Consultant shall provide an endorsement that the insurer waives the right of subrogation against the District and its respective elected officials, officers, employees, agents, representatives, consultants, trustees, and volunteers.
 - 14.1.4. Other Insurance Provisions: The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

 a. The District, its representatives, consultants, trustees, officers, officials, employees, agents, and volunteers ("Additional Insureds") are to be covered as additional insureds as respects liability arising out of activities performed by or on behalf of the Consultant; instruments of Service and completed operations of the Consultant; premises owned, occupied or used by the Consultant; or automobiles owned, leased, hired or borrowed by the Consultant. The coverage shall contain no special limitations on the scope of protection afforded to the Additional Insureds.

b. For any claims related to the projects, the Consultant's insurance coverage shall be primary insurance as respects the Additional Insureds. Any

insurance or self-insurance maintained by the Additional Insureds shall be in excess of the Consultant's insurance and shall not contribute with it.

c. Any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to the Additional Insureds.

d. The Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

e. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the District.

f. Consultant shall furnish the District with Certificates of insurance showing maintenance of the required insurance coverage and original endorsements affecting general liability and automobile liability coverage. The endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. All endorsements are to be received and approved by the District before Work commence.

- 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 be and consultant shall be the reference.
- 17. **Permits/Licenses**. Consultant and all Consultant's employees or agents shall secure and maintain in force such permits and licenses as are required by law in connection with the furnishing of services pursuant to this agreement.
- 18. **Safety and Security:** Consultant is responsible for maintaining safety in the performance of this Agreement. Consultant shall be responsible to ascertain from the District the rules and regulations pertaining to safety, security, and driving on school grounds, particularly when children are present.
- 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.

- 20. Fingerprinting of Employees. It is not contemplated at the time of execution of this Agreement that Consultant or its employees will have contact with students during the provision of services under this Agreement. If, at a future time, Consultant will have contact with any pupils, Consultant shall comply with the provisions of Education Code section 45125.1 regarding the submission of employee fingerprints to the California Department of Justice and the completion of criminal background investigations of its employees. The Consultant shall not permit any employee to have any contact with District pupils until such time as the Consultant has verified in writing to the governing board of the District that the employee has not been convicted of a felony, as defined in Education Code section 45122.1. The Consultant's responsibility shall extend to all employees, subConsultants, agents, and employees or agents of subConsultants regardless of whether those individuals are paid or unpaid, concurrently employed by the District, or acting as independent Consultants of the Consultant. Verification of compliance with this section and the Criminal Background Investigation Certification that may be required with this Agreement, shall be provided in writing to the District prior to each individual's commencement of employment or performing any portion of the Services and prior to permitting contact with any student.
- 21. District's Evaluation of Consultant and Consultant's Employees and/or SubConsultants. The District may evaluate the Consultant in any manner which is permissible under the law. The District's evaluation may include, without limitation:
 - 21.1. Requesting that District employee(s) evaluate the Consultant and the Consultant's employees and subConsultants and each of their performance.
 - 21.2. Announced and unannounced observance of Consultant, Consultant's employee(s), and/or subConsultant(s).
- 22. 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.
- 23. **Confidentiality**. The Consultant and all Consultant's agents, personnel, employee(s), and/or subConsultant(s) shall maintain the confidentiality of all information received in the course of performing the Services. This requirement to maintain confidentiality shall extend beyond the termination of this Agreement.
- 24. Notice. Any notice required or permitted to be given under this Agreement shall be deemed

Laurel CDC Building Replacement Project Number: 07027 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

Timothy E. White Assistant Superintendent Facilities, Planning and Management 955 High Street Oakland, CA 94601 510-535-7079 <u>Consultant</u> Jade Solis Ninyo & Moore 1956 Webster Street Suite 400 Oakland, CA 94612

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.

- **25.** 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 Alameda County, California.
- **26. 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.
- 27. 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.
- **28. 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.

March 12 Date: By: Print Name: <u>Terence Wang</u> Its: General Manager **OAKLAND UNIFIED SCHOOL DISTRICT** Date: 329/12 By: Jody London, President, Board of Education akatin ; Date: By: Edgar Rakestraw, Jr., Board Secretary Date: By: Timothy E. White, Associate Superintendent **Facilities Planning and Management**

3.14.12 Date:

By:

Cate Boskoff, Facilities Legal Counsel

Laurel CDC Building Replacement Project Number: 07027

File ID Number: <u>12-0779</u> Introduction Date: <u>3-2812</u> Enactment Number: 12-1006Enactment Date: 3-29-12By: NO

Information regarding Consultant:

Consultant:	Ninyo & Moore
License No.:	A97063
Address:	1956 Webster Street, Suite 400 Oakland, California 94612
Telephone:	510-633-5640
Facsimile:	510-633-5646
E-Mail:	
Partners Limited x Corpora	ual oprietorship

33-0269828

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.

Laurel CDC Building Replacement Project Number: 07027

Attachment A

Scope of Services

The scope includes geotechnical observation, material testing, observation and special inspection services for the new Laurel Child Development Center. The scope is also based on the Division of State Architect (DSA) approved plans and specifications and the California Building code (CBC) Title 24.

Laurel CDC Building Replacement Project Number: 07027

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Page 10



January 20, 2012 Proposal No. P-81911

Ms. Mary Ledezma, Project Manager Oakland Unified School District 955 High Street Oakland, California 94601

Subject: Proposal for Geotechnical Observation, Materials Testing and Special Inspection Services Laurel Child Development Center Replacement 3825 California Street, Oakland, California OUSD Project No.: 07027; DSA Application No.:01-111597; File No.:1-29

Dear Ms. Ledezma:

In accordance with your request, Ninyo & Moore is pleased to provide this revised proposal to perform Geotechnical Observation, Materials Testing & Special Inspection Services for the Laurel Child Development Center (CDC) Replacement project located at 3825 California Street in Oakland, California. This proposal provides cost estimate and scope of services based on our review of the DSA approved project plans and specifications, DSA-103 form, the Specifications, California Building Code, Title 24, and on our experience performing services on similar projects.

Some distinct advantages in retaining Ninyo & Moore for this project are:

- We offer straightforward billing. There are no 4- or 8-hour minimums. Only a 2-hour minimum show-up charge, the remaining hours will be billed at 1-hour increments. One labor billing rate will be utilized for all onsite services.
- Provide email copies of all daily field reports and summary of any non-conforming or open items to all parties provided by you or your representative.
- Our laboratory is within close proximity to the project.

PROJECT UNDERSTANDING

From review of the available project documents, we understand that the Laurel CDC Replacement project consists of constructing one new single story building roughly 11,500 square feet in size that includes classrooms with storage areas, small kitchen and toilet facilities. The building



1956 Webster Street, Suite 400 • Oakland, California 94612 • Phone (510) 633-5640 • Fax (510) 633-5646

will have slab-on-grade foundations with footings, grade beams, structural steel and wood framing, plywood sheathing and glu lam beams.

SCOPE OF MATERIAL TESTING AND SPECIAL INSPECTION SERVICES

Specific to this contract, Ninyo & Moore is capable and experienced in providing the needed testing and inspection services. Based on our review of the project documents we will provide the following scope of services.

SCOPES OF FIELD SERVICES INCLUDE:

- Geotechnical Services include:
 - Review existing geotechnical report and provide recommendation to satisfy the Geotechnical Engineer-of-Record.
 - Geotechnical field services to evaluate suitability of the exposed subgrade prior to placement of fill, aggregate base, or asphalt concrete pavement, and to provide supplemental geotechnical recommendations, on an as needed basis.
 - Field technician services for earthwork observation, documentation, sampling, and inplace density testing during subgrade preparation, aggregate base placement, and Hot Mix Asphalt (HMA) placement.
 - Laboratory testing of construction materials sampled in the field, including soils, aggregates and HMA. Our anticipated tests include modified Proctor density and optimum moisture content, and HMA Hveem stability and unit weight.
 - Pick-up and transport construction material samples for testing at our laboratory.
 - Preparation of daily field reports and reports of laboratory testing results, which will be issued to the Oakland Unified School District and their designated project team.
 - Preparation of a summary report which presents the results of our field observations, compaction testing, and laboratory testing, including our conclusions regarding compliance with the project plans and specifications.
- Reinforcing steel material ID, tag, sample;
- Structural concrete sampling;
- Periodic batch plant inspection;
- Structural masonry periodic inspection for reinforcing steel, units and dowels, including verification of mortar and grout proportions. Continuous inspection of grouting operations, preparation of prisms, anchors, embeds and grout space. In addition, we will obtain prepro-

P-81911 FINAL

duction/production prisms and core the new walls to obtain specimens for laboratory testing per DSA-103;

- Structural steel welding shop and field operations;
- Structural steel ultrasonic testing field operations;
- High strength bolting field testing;
- Glu-lam beam fabrication;
- Anchors/dowels testing at frequencies and values noted on the S tructural drawings;
- Other -- Management Oversight and Technical Support.

SCOPES OF LABORATORY SERVICES INCLUDE:

- Modified proctor density;
- Optimum moisture content;
- Expansion Index;
- Asphalt HMA Hveem stability and unit weight;
- Asphalt extraction;
- Compressive strength testing of concrete, masonry preproduction/production prisms and masonry cores;
- Reinforcing steel tensile and bend tests;
- High strength bolts harness, wedge and proof load tests.

ASSUMPTIONS

- Our services will be scheduled, and coor dinated by the District's Project Inspector.
- The contractor and subcontractors will maintain a 40-hour workweek during normal daytime work hours; and that weekend and overtime work has not been included in this cost proposal.
- We assume our services are subject to California prevailing wage law.
- It will not be necessary to sign a labor agreement with the Operating Engineers Union for this project, nor will Ninyo & Moore's technicians and inspectors need to be members of the Union.

Laurel Child Development Center Replacement Oakland, California

- Site visits made by professional staff and our field technicians will be billed on a portal-toportal basis, with a 2-hour minimum.
- The DSA Project Inspector will perform inspection services including:
 - Field inspection of structural wood construction;
 - Placement of reinforcing steel, formwork and embedded elements;
 - Placement of concrete;
 - o Installation inspection of post-installed anchors.
- Periodic concrete batch plant inspection will be required/performed during structural concrete pours; however, this was not noted on the DSA-103 sheet. Our proposal includes this service.
- Reinforcing steel identification, sampling, tagging and associated laboratory testing will be required/performed for structural concrete and masonry elements; however, this was not noted on the DSA-103 sheet. Our proposal includes this service.
- Site concrete and masonry retaining walls were noted in the DSA-103 and Section 02831 of the Project Specifications. We observed concrete walls for the handicap ramp, which may be considered site walls. No other site walls were observed on the available drawings.
- Since steel shop schedules are not available, we anticipate a local Bay Area fabricator will be utilized for the structural and miscellaneous steel. We have based our estimate for shop welding inspection services on this and our prior experience with similar types of projects.
- Services that are not included will be provided upon the District's written request.
- Additional laboratory testing will be provided upon request and written approval, and will be billed at the rates listed on our current fee schedule.

PROPOSED ESTIMATED COST

SEE APPENDIX "A" FOR BREAKDOWN OF FEES

Task	Summary of Estimated Fees for Geotechnical Observation Materials Testing and Inspection Services	Estimated Fees		
1.	Geotechnical Services	\$22,985		
2.	Structural Concrete	\$17,176		
3.	Glu-Lam Beam Fabrication	\$632		
4.	Structural Masonry	\$12,268		
5.	Structural Steel and Welding/Bolting/UT – shop and field	\$19,345		
6.	Load Testing Post-Installed Anchors/Dowels	\$3,160		
7.	Management, Admin Support, Prepare and issue Final Report	\$4,160		
	Estimated Fees	\$79,726		

ESTIMATE OF FEES

Our proposed estimate of fees for geotechnical observation, construction materials testing and special inspection services associated with this project, based on the scope of services as described above, is **\$79,726 (Seventy Nine Thousand Seven Hundred Twenty Six Dollars)** A detailed estimate of fees is attached. Please note that at the time our estimate was calculated, a construction schedule was not available. Should the construction schedule require a lesser or greater amount of services than that estimated herein, the cost would vary accordingly. The actual cost of our services will depend largely on the requested site visits for our services, as well as impact of weather and work stoppages, all of which are beyond our control. When possible, we will combine inspection and testing services to reduce the cost of our services.

This is a time-and-materials estimate, not a lump-sum. We will provide services on an asneeded basis and will require 24 hours notice for scheduling inspection and testing visits. Construction services are billed portal-to-portal from our Oakland office.

We sincerely appreciate being a part of the OUSD project team to implement this important Facility Bond program and very much look forward to the opportunity to continue to work with you on this project.

Sincerely, NINYO & MOORE

Jable Sólis Project Manager

Jun & Wang

Terence K. Wang PE, GE Principal Engineer

JKS/cab Attachments: Appendix A – Breakdown of Estimated Fees Schedule of Fees

Distribution: (1) Addressee (via e-mail)

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APPENDIX A - REVISED B GEOTECHNICAL OBSERVATION, MATE LAUREL CHILD DEV	ERIALS TI	ESTING AN	ID SPECIAL INSPEC	CTION SER	VICES	
	Site	Hours	Quantity	Rate	Fee	Subtotal
	Visits	Per Visit	(Hrs./ Tests)			
GEOTECHNICAL OB	SERVATIO	ON AND TES	STING SERVICES			
Field Services						
Staff Engineer/Geologist	2	4	8	\$110	\$880	
Technician - full day visits	21	8	168	\$79	\$13,272	
Technician - 1/2 days Visits	6	4	24	\$79	\$1,896	
Nuclear Density Gauge Usage			200	\$12	\$2,400	
Laboratory Services						
Proctor Density (ASTM D1557, D698, CT216, T180)			3	\$260	\$780	
Proctor Density with Rock Correction (ASTM D1557, D698)			2	\$340	\$680	
Extraction, Percent Asphalt, includes Gradation, D2172, CT310			2	\$215	\$430	
Hveem Stability and Unit Weight (CT 366)			1	\$195	\$195	
Expansion Index (ASTM D4829)			3	\$240	\$720	
Paulou of Submittale Data Compilation Papart						
Review of Submittals, Data Compilation, Report Preparation, DSA Form Preparation, Project Co-ordination						
Project Engineer / Geologist			4	\$133	\$532	
Sr. Staff Engineer/Geologist			10	\$120	\$1,200	
ESTIMATED SUBTOTAL				4.20	4.12.00	\$22.9
	CONC	DETE				
ncrete testing frequency is based on 4 cyls/50 cyds. Services includ	CONCE		action - we will follow the	first truck to the	site All aug	ntition and
imates, only.	le periodic oa	aton piant insp	ECTION - ME MIN JOHOW THE	Inst to be to the	site. All yual	nunes are
Footings/Grade Beams	5	8	40	\$79	\$3,160	
Periodic Batch Plant/Concrete Sampling Technician	Э	0	40	\$19	\$3,100	
Slabs-on-Grade	0	8	16	\$79	\$4 0C4	
Periodic Batch Plant/Concrete Sampling Technician	2	8	10	219	\$1,264	
Stem Walls/Column Covers/Pedestals						
Periodic Batch Plant/Concrete Sampling Technician	4	8	32	\$79	\$2,528	
Stairs/Ramps/Curbs/Pads/TE/Misc						
Periodic Batch Plant/Concrete Sampling Technician	5	4	20	\$79	\$1,580	
Laboratory Testing						
Compression Tests (28 Sets of 4)			112	\$30	\$3,360	
Reinforcing Steel Tensile and Bend Tests (15 Sets of 2)			15	\$110	\$1,650	
Rebar Sampling						
Technician - Material ID, Tag, Sample & Pick-Up	4	4	16	\$79	\$1,264	
Sample Pick-Ups						
Technician	15	2	30	\$79	\$2,370	
ESTIMATED SUBTOTAL						\$17,1
	AM DEAM	FABRICATI	ON			
e fabricator has not yet been selected. A local facility is anticipated,						timates, or
Glu Lam Beam/Wood Technician - Shop (Local Facility)	1	8	8	\$79	\$632	
ESTIMATED SUBTOTAL						\$6
	MASO	NRY				
riodic inspection of CDC and Trash Enclosure wall block/rebar, cont						
lab testing. We will also ID, sample, tag and test the rebar including	g core drilling	the new walls	to obtain core specimens	for lab testing	per DSA-103	3. All
antities are estimates, only.						
Structural Walls						
DSA Masonry Inspector - Observation & Sampling	5	8	40	\$79	\$3,160	
Two Man Coring Crew - Core New CDC Walls per DSA-103	1	8	8	\$224	\$1,792	
Rebar Sampling						
Technician - Material ID, Tag, Sample & Pick-Up	1	4	4	\$79	\$316	
Lab Testing						
Block Conformance Tests (2 Sets of 3)	2	3	6	\$175	\$1,050	
PreProd. & Prod. Prism Compression Tests (5 Sets of 3)	5	3	15	\$180	\$2,700	
Cores - Comp. & Shear (2 Sets of 4, Ea. Test Type per DSA-10	4	4	16	\$85	\$1,360	
	4	4				
Reinforcing Steel Tensile and Bend Tests (5 Sets of 2)			10	\$110	\$1,100	
Sample Pick-Ups						
Technician	5	2	10	\$79	\$790	

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	OUSD PROJEC	T NO.: 07027				
	Site Visits	Hours Per Visit	Quantity (Hrs./ Tests)	Rate	Fee	Subtotal
	STRUCTUR	AL STEEL				
Structural/misc. steel subs are not yet selected. Local facilities are	anticipated, our	services are b	ased M-F, normal busir	ess hours. All qu	antities are e	stimates, on
Steel Welding Technician - Shop (Local Facility)	25	6	150	\$79	\$11,850	
Steel Welding/Bolting Technician - Field	15	4	60	\$79	\$4,740	
Steel Ultrasonic Testing Technician - Field	5	4	20	\$95	\$1,900	
Laboratory Testing (Set of 3 = 1 sample)						
HSB Rockwell Test - P.L. (nut, washer, bolt)			3	\$80	\$240	
HSB Conform.Test - Hard./Wedge (nut, washer, bolt)			3	\$205	\$615	
ESTIMATED SUBTOTAL					-	\$19,34
	ANCHORS	DOWELS				
Perform Proof Load/Pull Testing at frequencies & values noted on						
Anchor/Dowel Testing Technician	10	4	40	\$79	\$3,160	
ESTIMATED SUBTOTAL						\$3,160
MANAGEMEN	T, REPORTIN	IG AND ADI	INISTRATION			
Project Manager/Sr. Staff Engineer - Project Management, S	ubmittal Review	, Meetings, etc	20	\$120	\$2,400	
Administration - Word Processing, Misc.			4	\$65	\$260	
DSA Final Verified Reports (291, 292 & 293) by Responsible	Engineer		3	\$500	\$1,500	
ESTIMATED SUBTOTAL						\$4,16
TOTAL ESTIMATED FEE FOR GEOTECHNICAL AND	MATERIALS	TERTINCIP	CIAL INCRECTIO	NEEDVICE		\$79,726

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SCHEDULE OF FEES

HOURLY	CHARGES	FOR	PERSONNEL	
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Principal Engineer/Geologist/Environmental Scientist	\$ 155
Senior Engineer/Geologist/Environmental Scientist	\$ 150
Senior Project Engineer/Geologist/Environmental Scientist	\$ 140
Project Engineer/Geologist/Environmental Scientist	\$ 133
Senior Staff Engineer/Geologist/Environmental Scientist	\$ 120
Staff Engineer/Geologist/Environmental Scientist	\$ 110
GIS Analyst	\$ 105
Field Operations Manager	\$ 105
Supervisory Technician Nondestructive Examination Technician, UT, MT, LP	\$ 97
Nondestructive Examination Technician, UT, MT, LP	\$ 95
Senior Field/Laboratory Technician/Inspector	\$ 79
Field/Laboratory Technician	\$ 79
Concrete/Asphalt Batch Plant Inspector	\$ 79
Special Inspector (Asphalt, Concrete, Masonry, Steel, Welding, and Fireproofing)	\$ 79
Technical Illustrator/CAD Operator	80
Information Specialist	\$ 80
Data Processing, Technical Editing, or Reproduction	65

OTHER CHARGES

Expert Witness Testimony	\$	400 /hr
Concrete Coring Equipment (includes one technician)	\$	145 /hr
PID/FID Usage	\$	120 /day
Anchor load test equipment (includes technician)	\$	89 /hr
Hand Auger Equipment	\$	55 /day
Inclinometer Usage	\$	32 /hr
Vapor Emission Kits	\$	30 /kit
Level D Personal Protective Equipment (per person per day)	\$	25 /p/d
Rebar Locator (Pachometer)	\$	22 /hr
Nuclear Density Gauge Usage	\$	12 /hr
Field Vehicle Usage	\$	10 /hr
	st p	lus 15 %
Laboratory testing, geophysical equipment, and other special equipment provided upon request.		

NOTES (Field Services)

For field and laboratory technicians and special inspectors, regular hourly rates are charged during normal weekday construction hours. Overtime rates at 1.5 times the regular rates will be charged for work performed outside normal construction hours and all day on Saturdays. Rates at twice the regular rates will be charged for all work in excess of 12 hours in one day or on Sundays and holidays. Lead time for any requested service is 24 hours. Field Technician rates are based on a 2-hour minimum. Special inspection rates are based on a 4-hour minimum for the first 4 hours and an 8-hour minimum for hours exceeding 4 hours. Field personnel are charged portal to portal.

INVOICES

Invoices will be submitted monthly and are due upon receipt. A service charge of 1.0 percent per month may be charged on accounts not paid within 30 days.

TERMS AND CONDITIONS

The terms and conditions of providing our consulting services include our limitation of liability and indemnities as presented in Ninyo & Moore's Work Authorization and Agreement.

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SCHEDULE OF FEES FOR LABORATORY TESTING Laboratory Test, Test Designation, and Price Per Test

Atterberg Limits, D 4318, CT 204 \$180 Cemera Analysis Chemical and Physical, CT 001 \$1,550 Cansolidation prime Rate (CBR), D 1833 \$440 Compression Tables, Aci2 Cylinder, C39 \$3 Consolidation prime Rate (CBR), D 2435, CT 219 \$7 Concrete Mix Design Review, Job Spec. \$140 Consolidation prime Rate, D 2435, CT 219 \$7 Concrete Mix Design Review, Job Spec. \$140 Consolidation prime Rate, D 2435, CT 219 \$7 Concrete Mix Design Review, Job Spec. \$140 Consolidation prime Rate, D 2435, CT 219 \$7 Concrete Mix Design Review, Job Spec. \$140 Consolidation prime Rate, D 2435, CT 219 \$7 Concrete Mix Design Review, Job Spec. \$120 Expansion Potential (Method A), D 4566 \$160 GuntleS Shotrote, Panels, 3 cut cores per panel and test, ACL. \$20 Expansion Potential (Method A), D 4566 \$160 GuntleS Shotrote, Panels, 3 cut cores per panel and test, ACL. \$20 Mosture Chris, A Carge State Marking, C 456 \$100 Splitting Tensile Strength, C 439 \$80 Mosture Chris, A Carge Strength Concrete Fill, Compression, C 455 \$100 Splitting Tensile Strength, C 439 \$80 Mosture Chris, C 128	Soils		Concrete	
California Bearing Ratio (CDRP, D 1883. 440 Compression Tests, 612 Cylinder, C3.9		180		\$ 1.650
Chorde and Suffate Content. CT 417.6 CT 422 \$ 135 Concrete Mix Design Review, Job Spec. \$ 140 Consolidation, J. Time Rate, D 2435, CT 219 \$ 70 Concrete Mix Design, Re Trial Batch, 6.ykinder, ACL \$ 750 Direct Shear - Undisturbed, D 3080 \$ 260 Flexural Test, C 78 \$ 160 Durabity Index, CI 229 \$ 150 Flexural Test, C 78 \$ 160 Expansion Hoder, D 4820, UBC 18-2 \$ 160 Flexural Test, C 78 \$ 100 Expansion Hoder, D 4820, UBC 18-2 \$ 160 Flexural Test, C 78 \$ 100 Mosture And, N 202am Matter of PearlOganic Solts \$ 100 Flexural Test, C 78 \$ 100 Mosture And, N 202am Matter of PearlOganic Solts \$ 100 Flexoratine Strength, C 496 \$ 80 Mosture And, N 202am Matter of PearlOganic Solts \$ 100 Flexoratine Strength, C 496 \$ 80 Mosture And, N 202am Matter of PearlOganic Solts \$ 100 Flexoratine Strength, C 496 \$ 80 Proctore Deresky D 1557, D 688, CT 216, 8 \$ 200 Flexoratine Strength, C 496 \$ 100 Proctore Deresky D 1557, D 688, CT 217, 7 \$ 100 Flexoratine Strength, C 446 \$ 100 Proctore Deresk				
Consolidation, D 2436, CT 219 \$ 750 Consolidation, D 4436, CT 219 \$ 750 Direct Shear - Remolded, D 3080 \$ 250 Direct Shear - Nemolded, D 3080 \$ 250 Direct Shear - Nemolded, D 3080 \$ 250 Direct Shear - Nemolded, D 3080 \$ 250 Durability Index, CT 228 \$ 100 Expansion Flock \$ 120 Expansion Flock \$ 120 Expansion Flock \$ 120 Gendance Terrisie and Elongation Test, D 4542 \$ 180 Gendance Terrisie and Elongation Test, D 4542 \$ 180 Molature and Density, D 2246, CT 220 \$ 100 Molature and Density, D 2343, CT 219 \$ 100 Permeabilik, CH 0, 2434, CT 220 \$ 290 Piontor Mark To 1557, D 698, CT 216, & & \$ 260 \$ 100 Priotor Density, D 1557, D 698, CT 216, & & \$ 260 \$ 100 Priotor Density, D 1557, D 698, CT 216, & & \$ 100 \$ 120 Readmoling, D 422, GT 222, CT 220, S 100 \$ 120 Priotor Density, D 1557, D 698, CT 216, & & \$ 120 \$ 120 Readmoling, D 424, GT 201, CT 217, S 100 \$ 120 See Analysis, 200 Wash, D 1140, CT 227, ET 21,				
Consolitation – Time Rate, D 243, CT 219 70 Concrete Cores, Compression (excludes sampling), C 42 \$ 55 Direct Shear – Undisturbed, D 3080 \$ 250 Direct Shear – Undisturbed, D 3080 \$ 250 Direct Shear – Undisturbed, D 3080 \$ 250 Flexural Test, C 78 \$ 100 Expansion Index, D 4820, UBC 18-2 \$ 150 Flexural Test, C 78 \$ 100 Expansion Potential (Method A), D 4546 \$ 160 Gunited Shottere Fanels, Sut cores per panel and test, ACL, S \$ 250 Hydrauic Conductivity, D 5084 \$ 100 Flexural Test, C 283 \$ 100 Mosture, Ath, & Organc, Matter of Pear/Oganic Solts \$ 110 Fireporting Denshty Test, UBC 76 \$ 70 Hard Resativity, C 142, C 1220 \$ 260 High Srengths Dett, UBC 76 \$ 70 Hard Resativity, C 143, C 1220 \$ 260 High Srengths Dett, UBC 76 \$ 70 Hard Resativity, C 143, C 1220 \$ 260 High Srengths Dett, UBC 76 \$ 70 Hard Resativity, C 143, C 1220 \$ 260 High Srengths Dett, UBC 76 \$ 70 Proctor Density O 1567, D 680, C 1216, T 227 \$ 100 High Srengths Dett, UBC 76 \$ 70 Readinforcing Tensite Test, C				
Direct Shear – Remoleck J. 2380. \$ 290 Dying Shrinkage, C 157. \$ 250 Durability Index, CT 228. \$ 150 Flexural Test, C 78. \$ 100 Durability Index, CT 228. \$ 150 Flexural Test, C 78. \$ 100 Expansion Potential (Method A), D 4546. \$ 180 Guntle/Shotcrefe, Panels, 3 cut cores per panel and test, ACL \$ 250 Geofabic Tensie and Elongation Test, D 4632. \$ 100 Uptoweight Concrete Fill, Compression, C 495. \$ 5 Mosture, Any As, Organe, Matter of Peat/Organic Sols. \$ 110 String Tensie Strength, C 496. \$ 80 Premeability, CH, D 2443, CT 220. \$ 290 Path and Resistion C 1726. \$ 70 Premeability, CH, D 2444, CT 301. \$ 200 Path and Resistion S 405. \$ 70 Premeability, CH, D 2444, CT 20. \$ 200 Path and Resistion S 466. \$ 100 Rivature D Resk, D 1267, CT 276. \$ 200 Path and Resistion S 466. \$ 200 Prestness Strand (r wire), A 416. \$ 70 \$ 80 Resker, D 2484, CT 301. \$ 425 \$ 80 Resker, D 2482, CT 217. \$ 110 \$ 100 Siee Analysis, D 428, CT 217. <t< td=""><td></td><td></td><td></td><td></td></t<>				
Direct Shear – Undisturbed, D. 2080. \$ 250 Flexural Test, C 78. \$ 100 Durabity Index, D 4829, UBC 18-2. \$ 240 Flexural Test, C 78. \$ 55 Expansion Index, D 4829, UBC 18-2. \$ 240 Flexural Test, C 78. \$ 100 GuritelShorter, Panels, 3 out cores per panel and test, ACL. \$ 250 Flexural Test, C 78. \$ 100 GuritelShorter, Panels, 3 out cores per panel and test, ACL. \$ 250 Flexural Test, C 78. \$ 100 GuritelShorter, Panels, 3 out cores per panel and test, ACL. \$ 250 Flexural Test, C 78. \$ 100 Moisture A, Ph. 2014, CT 220 \$ 100 Splitting Tensile Strength, C 496 \$ 80 Proceto Density, D 557, D 698, CT 216, & S \$ 100 Splitting Tensile Strength, Nut & Washer Comformance, est, A-32 \$ 200 Proceto Tensity, D 557, D 698, CT 216, & S \$ 100 Tensile Strength, Nut & Washer Comformance, est, A-32 \$ 120 Sieve Analysis, 200 Wash, D 1140, CT 202 \$ 100 Tensile Tensile Tensile Tensile Tensile Test, A 615, Nut A 140 \$ 160 Sieve Analysis, 200 Wash, D 1140, CT 202 \$ 100 Tonsile Tensile Tensile Tensile Test, A 615, Nut A 140 \$ 160 Trixixia Shear, C. U, whore pressure, D 4767, T 2297 p		290		
Durability Index, CT 229	Direct Shear - Undisturbed, D 3080\$	250	Flexural Test, C 78	
Expansion Index, D 4829, UBC 18-2 \$ 240 Flexural Test, C 1523 \$ 100 Expansion Potential (Method A), D 4546 \$ 180 GuniteRShorete, Panels, 3 out cores per panel and test, AC \$ 250 Expansion Potential (Method A), D 4546 \$ 180 GuniteRShorete, Panels, 3 out cores per panel and test, AC \$ 250 Expansion Potential (Method A), D 5546 \$ 100 Splitting Testing Testing 1463 \$ 55 Hydrawiter Analysis, D 422, CT 203 \$ 100 Splitting Testing Strength, C 496 \$ 80 Moisture and Density, D 2216, CT 226 \$ 30 Splitting Testing Strength, C 496 \$ 80 Procetor Density D 1557, D 698, CT 216, & S \$ 100 Splitting Testing Strength, Nat & Washer Commance, set, A-32 \$ 200 Procetor Density, D 1557, D 698, CT 216, & S \$ 100 Persuesting Analysis, A: 8, 8, 645. \$ 120 Procetor Density, D 854, CT 217, & S \$ 100 Perstress Strand (V wre), A 416				
Expansion Potential (Method A), D 4546 \$ 160 Gunite/Shoterle, Panels, 3 out cores per panel and test, ACI. \$ 250 Expansion Potential (Method A), D 4546 \$ 160 Ubbite Testing Laboratory. Outoe Geofabric Tensie and Elongation Test, D 4632 \$ 160 Ubbite Testing Laboratory. Outoe Molisture. Ab, A Organic Matter of Peat/Urganic Solis. \$ 100 Perforganic Analysis, C 486. \$ 80 Molisture Only, D 236, CT 226. \$ 30 Reinforcing and Structural Steel \$ 70 Premeability, CH, D 244, CT 220. \$ 280 Hardness Test, Rockwell, A 370 \$ 80 Phand Resistivity, CT 643. \$ 160 High Strength Edit, Nuk Washer Conformance, set, A-22 \$ 205 Proctor Density D 1557, D 698, CT 216. \$ 260 Here Strengt / Wrei, A 416. \$ 140 Revindering Tensite or Bend up to No. 11, A 615 & A 706 No. 18 Rebar \$ 75 Sieve Analysis, D 422, CT 202. \$ 100 No. 8 Rebar \$ 150 Structural Steel Tensite Test Up to No. 11, A 615 & A 706 No. 18 Rebar \$ 150 Structural Steel Tensite Test Up to No. 11, A 615 & A 706 No. 18 Rebar \$ 150 Structural Steel Tensite Test Up to No. 11, A 615 & A 706 <t< td=""><td></td><td></td><td></td><td></td></t<>				
Geofabric Tensile and Elongation Test. D 4632 \$ 166 Lightweight Concrete Fill. Compression, C 495. \$ 55 Hydrauic Conductivity, D 5084 \$ 300 Petrographic Analysis, C 686. \$ 100 Molsture, Ask, & Organic Matter of Peat/Organic Soils \$ 100 Petrographic Analysis, C 686. \$ 80 Molsture Only, D 2216, CT 226 \$ 30 Reinforcing Density Test. UBC 7-6. \$ 70 Permeability, CH, D 243, CT 220 \$ 200 Hardness Test, Rockwell, A:370 \$ 80 Protor Density, D 1537, D 688, CT 216, & \$ 260 Hardness Test, Rockwell, A:370 \$ 80 Protor Density D 1557, D 688, CT 217, & \$ 100 Reinforcing Tensile or Bend up to No, 11, A615 & A 706 \$ 120 Reinforcing Tensile or Bend up to No, 11, A615 & A 706 No, 18 Rebar \$ 55 Sieve Analysis, D 422, CT 202, & \$ 100 No, 18 Rebar \$ 55 Specific Gravity, D 854, . D 4767, T 227 per pt, L \$ 300 Yutural Steel Tensile Test: Up to No, 11, A615 & A 706 Traxial Shear, CU, Ju opore pressure, D 4767, T 227 per pt, L \$ 300 Yutural Steel Tensile Test: Up to No, 11 hars, ACL \$ 80 Roofing Builtup Roofing, CuL-out samples, D 2829. \$ 100			Gunite/Shotcrete, Panels, 3 cut cores per panel and test, ACI	\$ 250
Geofabric Tensile and Elongation Test. D 4632 \$ 166 Lightweight Concrete Fill. Compression, C 495. \$ 55 Hydrauic Conductivity, D 5084 \$ 300 Petrographic Analysis, C 686. \$ 100 Molsture, Ask, & Organic Matter of Peat/Organic Soils \$ 100 Petrographic Analysis, C 686. \$ 80 Molsture Only, D 2216, CT 226 \$ 30 Reinforcing Density Test. UBC 7-6. \$ 70 Permeability, CH, D 243, CT 220 \$ 200 Hardness Test, Rockwell, A:370 \$ 80 Protor Density, D 1537, D 688, CT 216, & \$ 260 Hardness Test, Rockwell, A:370 \$ 80 Protor Density D 1557, D 688, CT 217, & \$ 100 Reinforcing Tensile or Bend up to No, 11, A615 & A 706 \$ 120 Reinforcing Tensile or Bend up to No, 11, A615 & A 706 No, 18 Rebar \$ 55 Sieve Analysis, D 422, CT 202, & \$ 100 No, 18 Rebar \$ 55 Specific Gravity, D 854, . D 4767, T 227 per pt, L \$ 300 Yutural Steel Tensile Test: Up to No, 11, A615 & A 706 Traxial Shear, CU, Ju opore pressure, D 4767, T 227 per pt, L \$ 300 Yutural Steel Tensile Test: Up to No, 11 hars, ACL \$ 80 Roofing Builtup Roofing, CuL-out samples, D 2829. \$ 100	Expansive Pressure (Method C), D 4546\$	180	Jobsite Testing Laboratory	Quote
Hydraulic Conductivity, D 5084. \$ 300 Perographic Analysis, C 856. \$ 1,100 Motisture Analysis, D 422, CT 203. \$ 100 Spitting Tensile Strength, C 496. \$ 80 Motisture and Density, D 2316, CT 226. \$ 50 Reinforcing and Structural Steel \$ 70 Permeability, C1, D 2434, CT 220. \$ 200 Hardness Test, Rockwell, A:370. \$ 80 Private Tisty, D 1567, D 698, CT 216, & \$ 200 High Strength Bolt, Nut & Washer Conformance, est, A:32. \$ 25 AASHTO T-180 (Rock corrections add \$80) \$ 425 Checknically Spitter Centrol Tensile Test, ACI. \$ 95 Prevalue, D 2844, CT 201. \$ 110 \$ 70 \$ 70 \$ 70 Sileve Analysis, D 422, CT 202. \$ 101 \$ 70 \$ 70 \$ 70 Reinforcing Tensile or Bend up to No. 11, A 615 & A 706 \$ 70 \$ 70 \$ 70 \$ 70 Sileve Analysis, D 422, CT 202. \$ 101 \$ 70 \$ 71 \$ 75 \$ 75 Sileve Analysis, D 422, CT 202. \$ 710 \$ 72 \$ 76 \$ 75 \$ 75 Sileve Analysis, D 422, CT 202. \$ 70 \$ 710 \$ 720 \$ 75		165		
Hydrometer Analysis, D 422, CT 203 Splitting Tensile Strength, C 496 Self Molisture Only, D 2216, CT 226 Splitting Tensile Strength, C 496 Self Molisture Only, D 2216, CT 226 Splitting Tensile Strength, C 496 Self Permeability, CH, D 2434, CT 220 Splitting Tensile Strength, C 430 Self Phand Resistivy, CT 643 Self Higf meers Strength, C 436 Self Proder Density D 1557, D 698, CT 216, & Self Self Self Self Proder Density D 1557, D 698, CT 217 S110 No. 8 Rebar Self Self Specific Gravity, D 654, ACT 202 S110 No. 8 Rebar S 55 Seve Analysis, 200 Wash, D 1140, CT 202 S110 No. 18 Rebar S 150 Streve Analysis, 200 Wash, D 1140, CT 202 S100 Structural Steel Tensile Test: U to 200,000 lbs. S 150 Traxial Shear, C. U., Wop per pressure, D 4767, T 2297 per L. 5 S100 Suppressing C 22,000 Suppressing C 22,000 Roofing Lub, 2060,, S45 S100 Suppressing C 24,000 Suppressing C 24,000 Maistread Maysis, D 188, S9 Suppressing C 34,000 Suppressing C 34,000 <t< td=""><td>Hydraulic Conductivity, D 5084\$</td><td>300</td><td>Petrographic Analysis, C 856</td><td>\$ 1,100</td></t<>	Hydraulic Conductivity, D 5084\$	300	Petrographic Analysis, C 856	\$ 1,100
Moisture Only, D 2216, CT 226 Solution Net interpreding Destric Light Steel Solution Solution <t< td=""><td>Hydrometer Analysis, D 422, CT 203\$</td><td>190</td><td></td><td></td></t<>	Hydrometer Analysis, D 422, CT 203\$	190		
Moisture Only, D 2216, CT 226 Solution Net interpreding Destric Light Steel Solution Solution <t< td=""><td></td><td>110</td><td></td><td></td></t<>		110		
Molsture and Density, D 2937 S S O Permeability, CH, D 2434, CT 220 S 200 Hidrness Test, Rockwell, A:370 \$ 80 Protor Density D 1557, D 698, CT 216, & S 200 High Stength Bolt, Nut & Washer Conformance, set, A:32 205 Protor Density D 1567, D 698, CT 216, & S 200 S 95 Protor Density D 1567, D 698, CT 216, & S 201 No. A 166 \$ 140 Revalue, D 2244, CT 301 CT 217 \$ 110 No. 8 Rebar \$ 75 Sieve Analysis, D 422, CT 202 \$ 110 No. 8 Rebar \$ 75 Traxial Shear, C.D., Wohore pressure, D 4767, T 2297 per pt. 300 Structural Steel Tensile Test: Up to 200,000 bs. \$ 105 Traxial Shear, C.D., Wohore pressure, D 4767, T 2297 per pt. 300 Structural Steel Tensile Test: Up to No. 11 hars, ACI. \$ 80 Traxial Shear, C.U., wohore pressure, D 4767, T 2297 per pt. 300 Structural Steel Tensile Test: Up to No. 11 hars, ACI. \$ 80 Traxial Shear, C.U., wohore pressure, D 4767, T 2297 per pt. 300 Structan St		30		
Permeability. CH, D 2434, CT 220		50		
pH and Resistivity, CT 643. \$ 160 Proctor Density D 1557, D 698, CT 216, & \$ 260 AASHTO T-180 (Rock corrections add \$80) \$ 425 R-value, D 2244, CT 301. \$ 425 Sieve Analysis, D 422, CT 202. \$ 110 Sieve Analysis, 200 Wash, D 1140, CT 202. \$ 90 Specific Gravity, D 854. \$ 75 Triaxial Shear, C.D., J 476, T 297, T 2297 per pt. \$ 300 \$ 716 Triaxial Shear, C.U., wip ore pressure, D 4767, T 2297 per pt. \$ 100 \$ 90 Triaxial Shear, C.U., wip ore pressure, D 4767, T 2297 per pt. \$ 100 \$ 90 Wax Density, D 1788. \$ 90 Roofing \$ 90 \$ 90 Built-up Roofin, cut-out samples, D 2829. \$ 160 Roofing Tile Absorption, (set of 5), UBC 15-5. \$ 190 Brick Absorption, 744, C 67 \$ 60 Brick Absorption, 744, C 67 <td></td> <td>290</td> <td></td> <td></td>		290		
Proctor Density D 1557, D 698, CT 216, 8. S 200 Mechanically Spliced Reinforcing Tensile Test, ACI. S 95 AASHTO T-180 (Rock concetions and \$80) 425 Mechanically Spliced Reinforcing Tensile Test, ACI. S 140 R-value, D 2844, CT 301. 5120 425 Mechanically Spliced Reinforcing Tensile or Bend up to No. 11, A615 & A 706 Sand Equivalent, D 2419, CT 217. 5110 110 No. 8 Rebar 5 Sieve Analysis, D 422, CT 202. 510 No. 11 Rebar 5 Specific Grave, CL, who prepressure, D 4767, T 2297 per pt. S 300 Structural Steel Tensile Test: Up to 200,000 lbs. 105 Traxial Shear, CLU, who pre pressure, D 4767, T 2297 per pt. S 100 Machanies Kerner Structural Steel Tensile Test: Up to No. 11 bers, ACL. 80 Traxial Shear, CLU, who pre pressure, D 4767, T 2297 per pt. S 100 Machanies Kerner Structural Steel Tensile Test: Up to No. 11 bers, ACL. 80 Max Density, D 1188 500 100 Machanies Kerner Structural Steel Tensile Test: Up to No. 11 bers, ACL. 80 Max Density, D 1188 515 100 Machanies Theorem Tensile Test: Up to No. 11 bers, ACL. 80 Max Density, D 1188 52 100 Machanie			a	
AASHTO T-160 (Rock corrections add \$60) Pre-Stress Straft (7 weight, A416				
R-value, D 2844, CT 201 S 120 Sand Equivalen, D 2419, CT 217 \$110 Sieve Analysis, D 422, CT 202 \$110 Sieve Analysis, D 422, CT 202 \$110 Sieve Analysis, D 422, CT 202 \$100 Traxial Shear, C.U., Wo pore pressure, D 4767, T 2297 per pt. \$100 \$100 Traxial Shear, C.U., Wo pore pressure, D 4767, T 2297 per pt. \$100 \$100 Traxial Shear, U.U., D 2850 \$100 Wax Density, D 1188 \$100 Wax Density, D 1188 \$100 Wax Density, D 1188 \$100 Roofing \$100 Built-up Roofing, Cut-out samples, D 2829 \$160 Roofing Tile Absorption, Set of 5), UBC 15-5 \$190 Brick Absorption, Set of 5), UBC 15-5 \$190 Brick Absorption, S-hour bubmersion, C 67 \$55 Brick Absorption, S-hour bubmersion, C 67 \$55 Brick Absorption, 7-day, C 67 \$56 Brick Koduuts of Rupture, C 67 \$56 Brick Koorpression Test, C 67 \$56 <				
Sand Equivalent, D 2419, CT 217 \$ 110 Reinforcing Tensile or Bend up to No. 11, A 615 & A 7/05 Sieve Analysis, 200 Wash, D 1140, CT 202 \$ 100 No. 8 Rebar \$ 75 Specific Gravity, D 854. \$ 200 Traxial Shear, C.D., Woore pressure, D 4767, T 2297 per pt. \$ 30 Structural Steel Tensile Test: Up to 200,000 lbs. Traxial Shear, U.J., D 2850. \$ 100 Wax Density, D 1188. \$ 900 Roofing \$ 100 Built-up Roofing, cut-out samples, D 2829. \$ 100 Roofing Materials Analysis, D 2829. \$ 100 Roofing Tile Strength Test, (set of 5), UBC 15-5. \$ 100 Roofing Tile Strength Test, (set of 5), UBC 15-5. \$ 100 Masonry \$ 100 Brick Absorption, 24-hour submersion, C 67. \$ 45 Brick Absorption, 24-hour submersion, C 67. \$ 45 Brick Absorption, 24-hour submersion, C 67. \$ 45 Brick Absorption, Shour boiling, C 67. \$ 45 Brick Absorption, Shour boiling, C 67. \$ 45 Brick Absorption, Cater as received. C 67. \$ 45 Brick Absorption, Shour boiling, C 67. \$ 45 Brick Absorption, Shour boiling, C 67. \$ 55 Br		425		\$ 120
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Sieve Analysis, 200 Wash, D 1140, CT 202 S 90 No. 11 Rebar \$75 Specific Gravity, D 854. S 200 No. 18 Rebar \$150 Traxial Shear, C.D., U w/pore pressure, D 4767, T 2297 per pt. \$ 300 Yeta Steel rensile Test: Up to 200,000 lbs. \$150 Traxial Shear, C.U., Wo pore pressure, D 4767, T 2297 per pt. \$ 300 Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI. \$80 Traxial Shear, U.U., D 2850 \$140 Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI. \$80 Wax Density, D 1188 \$90 Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI. \$80 Built-up Roofing, Cut-out samples, D 2829 \$160 Seconding Materials Analysis, D 2829 \$165 Roofing Tile Absorption, 24-hour submersion, Cef 7 \$190 Asphalt Mix Design, Review, Job Spec. \$120 Masonry Marshall Stability, Flow and Unit Weight, CTW or ASTM, CT 366 \$195 Test \$100 Marshall Stability, Flow and Unit Weight, CTW or ASTM, CT 366 \$195 Stractural Mix Design, Review, Job Spec. \$100 Marshall Stability, Flow and Unit Weight, CTW or ASTM, CT 366 \$195 Stractural Mix Weight, T-245 \$215				
Specific Gravity, D 854				
Traxial Shear, C.D., D 4767, T 297				\$ 150
Traixial Shear, C.U., w/pore pressure, D 4767, T 2297 per pt. \$ 330 (machning kerta), A 370		390		. .
Triaxial Shear, C.U., w/o pore pressure, D 4767, T 2297 per pt. \$ 190 Welded Reinforcing Tensile Test: Up to No. 11 bars, ACL		330		
Maxal shear, O. D. 22800		190		
Wax Density, D 1188 Asphalt Concrete Roofing Asphalt Mix Design, Caltrans. \$ 2.200 Roofing Materials Analysis, D 2829 \$ 165 Roofing Tile Absorption, (set of 5), UBC 15-5. \$ 190 Masonry Hveem Stability and Unit Weight CTM or ASTM, CT 366 \$ 195 Masonry Strick Absorption, 24-hour submersion, C 67 \$ 45 Brick Absorption, 7-day, C 67 \$ 45 Brick Absorption, 7-day, C 67 \$ 45 Brick Absorption, 7-day, C 67 \$ 45 Brick Absorption, C 67 \$ 45 Brick Absorption, 7-day, C 67 \$ 45 Brick Absorption, C 67 \$ 45 Brick Absorption, C 67 \$ 45 Brick Modulus of Rupture, C 67 \$ 45 Brick Saturation Coefficient, C 67 \$ 45 Ornerete Block Compression Test, 8x8x16, C 140 \$ 60 Concrete Block Linear Shrinkage, C 426 \$ 120 Concrete Block Linear Shrinkage, C 426 \$ 120 Masonny Grout, 3x3x6 prism compression, UBC 21-18 \$ 30 Masonny Prism, half size, compression, UBC 21-17 \$ 80 Solurability, Fine, CT 227 \$ 165 Oragrate Block Linear Shrinkage, C 426 \$ 1		140	Tensile Test for Fiberwrap (ASTM D-3039)	\$ 675
Wax Density, D Tree Asphalt Mix Design, Caltrans \$ 2,200 Roofing Tile Absorption, (set of 5), UBC 15-5 \$ 100 Masonny Marshall Stability, and Unit Weight, T245 \$ 215 Masonny Marshall Stability, and Unit Weight, T245 \$ 215 Masonny Marshall Stability, and Unit Weight, T245 \$ 100 Stack Absorption, 7-day, C 67 \$ 60 S 66 Brick Absorption, 7-day, C 67 \$ 60 Absorption, Carse, C 127 \$ 35 Brick Modulus of Ruptine, C 67 \$ 45 Absorption, Carse, C 127 \$ 35 Brick Mosture as received, C 67 \$ 55 \$ 60 Crushed Particles, C 142 \$ 100 Concrete Bloc	Unconfined Compression, D 2166, T 208\$	100		
Roofing Built-up Roofing, cut-out samples, D 2829165Roofing Materials Analysis, D 2829165Roofing Tile Absorption, (set of 5), UBC 15-5190Roofing Tile Strength Test, (set of 5), UBC 15-5190MasonryMasonryMasonryStick Absorption, 24-hour submersion, C 6755Brick Absorption, 7-day, C 6755Brick Absorption, 7-day, C 6755Brick Absorption, 7-day, C 6755Brick Absorption, 7-day, C 6755Brick Modulus of Rupture, C 6755Brick Modulus of Rupture, C 6755Brick Saturation Coefficient, C 6755Brick Modulus of Rupture, C 6755Concrete Block Commance Package, C 905100Concrete Block Compression Test, 8x8x16, C 14050Concrete Block Linear Shrinkage, C 426120Concrete Block Linear Shrinkage, C 426120Masonry Grout, 3x3x6 prism compression, UBC 21-1830Masonry Prism, half size, compression, UBC 21-17180Masonry Prism, half size, compression, UBC 21-17180<	Wax Density, D 1188	90		
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Roofing Tile Strength Test, (set of 5), UBC 15-5	Roofing Materials Analysis, D 2829\$	500		
Maximum Theoretical Unit Weight, D 2041\$120Maximum Theoretical Unit Weight, D 2041\$120Maximum Theoretical Unit Weight, D 2041\$120Brick Absorption, 24-hour submersion, C 67\$45Brick Absorption, 5-hour boiling, C 67\$45Brick Absorption, 7-day, C 67\$460Brick Compression Test, C 67\$45Brick Kefflorescence, C 67\$45Brick Modulus of Rupture, C 67\$460Brick Moisture as received, C 67\$40Brick Saturation Coefficient, C 67\$50Brick Saturation Coefficient, C 67\$50Concrete Block Compression Test, 8x8x16, C 140\$50Concrete Block Conformance Package, C 90\$1100Concrete Block Unit Weight and Absorption, C 140\$120Correste Block Unit Weight and Absorption, C 140\$120Correste Block Unit Weight and Absorption, C 140\$120Sorgen Correste Block Unit Weight and Absorption, C 140\$120Masonry Grout, 3x3x6 prism compression, UBC 21-17\$180Masonry Prism, half size, compression, UBC 21-17\$180Masonry Prism, half size, compression, UBC 21-17\$180Select Analysis, Fine Aggregate (Chemical Method), C 136\$125Sieve Analysis, Fine Aggregate (Including wash), C 136\$125Sodium Sufface Soundness (per size fraction), C 88\$160Specific Gravity, Coarse, C 127\$160Specific Gravity, Coarse, C 127\$165Brick Absorption, Stere Block Unit Weight and Absorption, C	Roofing Tile Absorption, (set of 5), UBC 15-5\$	190		
MasonrySwell, CT 305	Roofing Tile Strength Test, (set of 5), UBC 15-5\$	190		
Masonry Brick Absorption, 24-hour submersion, C 67.\$ 45Brick Absorption, 5-hour boiling, C 67.\$ 60Brick Absorption, 7-day, C 67.\$ 60Brick Compression Test, C 67.\$ 45Brick Kodulus of Rupture, C 67.\$ 45Brick Modulus of Rupture, C 67.\$ 45Brick Modulus of Rupture, C 67.\$ 45Brick Saturation Coefficient, C 67.\$ 45Brick Saturation Coefficient, C 67.\$ 50Concrete Block Compression Test, 8x8x16, C 140.\$ 60Concrete Block Compression Test, 8x8x16, C 140.\$ 60Concrete Block Compression Test, 8x8x16, C 140.\$ 60Concrete Block Linear Shrinkage, C 426.\$ 120Concrete Block Unit Weight and Absorption, C 140.\$ 55Cores, Compression or Shear Bond, CA Code\$ 80Masonry Grout, 3x3x6 prism compression, UBC 21-18.30Masonry Prism, half size, compression, UBC 21-17.180Sieve Analysis, Carse, CT 217.\$ 160Sieve Analysis, Fine Aggregate (including wash), C 136.\$ 125Sieve Analysis, Fine Aggregate (including wash), C 136.\$ 125Sieve Analysis, Fine Aggregate (including wash), C 136.\$ 125Sieve Analysis, Fine Aggregate (including wash), C 136.\$ 160Specific Gravity, Coarse, C 127.\$ 165Sieve Analysis, Fine Aggregate (including wash), C 136.\$ 125Sieve Analysis, Fine Aggregate (including wash), C 136.\$ 125Sieve Analysis, Fine Aggregate (including wash), C 136.\$ 125Sieve Analysis, Fine Aggregate (including wash), C 136.\$ 125 <t< td=""><td></td><td></td><td></td><td></td></t<>				
Bitick Absorption, 7-day, C 67SBrick Absorption, 7-day, C 67\$Brick Absorption, 7-day, C 67\$Brick Compression Test, C 67\$Brick Kefflorescence, C 67\$Brick Modulus of Rupture, C 67\$Brick Mosture as received, C 67\$Brick Saturation Coefficient, C 67\$Concrete Block Compression Test, 8x8x16, C 140\$Concrete Block Conformance Package, C 90\$Concrete Block Linear Shrinkage, C 426\$Corcrete Block Unit Weight and Absorption, C 140\$Corse, Compression or Shear Bond, CA Code\$Masonry Grout, 3x3x6 prism compression, UBC 21-18\$Masonry Prism, half size, compression, UBC 21-17\$180Seve Analysis, Coarse, C 127\$Sieve A	Masonry			
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Brick Absorption, 7-day, C 67535Brick Compression Test, C 67\$45Brick Kodulus of Rupture, C 67\$45Brick Modulus of Rupture, C 67\$40Brick Moisture as received, C 67\$40Brick Saturation Coefficient, C 67\$5Brick Saturation Coefficient, C 67\$50Concrete Block Compression Test, 8x8x16, C 140\$60Durability, Coarse, CT 229\$165Durability, Coarse, CT 229\$165Durability, Fine, CT 229\$165Orcnerete Block Unit Weight and Absorption, C 140\$\$Masonry Grout, 3x3x6 prism compression, UBC 21-18\$30Masonry Prism, half size, compression, UBC 21-17180\$Masonry Prism, half size, compression, UBC 21-17180\$Sieve Analysis, Fine Aggregate, C 136\$125Sieve Analysis, Fine Aggregate, C 136\$125	Brick Absorption, 5-hour boiling, C 67\$	55	A	
Brick Compression rest, even343Brick Modulus of Rupture, C 67.\$45Brick Modulus of Rupture, C 67.\$40Brick Modulus of Rupture, C 67.\$40Brick Moisture as received, C 67.\$35Clay Lumps and Friable Particles, C 142.\$Brick Moisture as received, C 67.\$50Brick Moisture as received, C 67.\$50Concrete Block Compression Test, 8x8x16, C 140.\$60Concrete Block Conformance Package, C 90.\$1100Concrete Block Linear Shrinkage, C 426.\$120Concrete Block Unit Weight and Absorption, C 140.\$55Cores, Compression or Shear Bond, CA Code.\$8Masonry Grout, 3x3x6 prism compression, UBC 21-18.\$30Masonry Prism, half size, compression, UBC 21-17.\$180Sieve Analysis, Carse Aggregate, C 136.\$125Sieve Analysis, Fine Aggregate (including wash), C 136.\$125Sieve Analysis, Fine Aggregate (including wash), C 136.\$125Sieve Analysis, Fine Aggregate, C 127.\$75	Brick Absorption, 7-day, C 67\$	60		Ф 05
Birlok Elliblescender, C 67S40Brick Modulus of Rupture, C 6750Brick Moisture as received, C 6753Brick Saturation Coefficient, C 6750Concrete Block Compression Test, 8x8x16, C 14050Concrete Block Conformance Package, C 905100Concrete Block Linear Shrinkage, C 426120Concrete Block Linear Shrinkage, C 42652Concrete Block Unit Weight and Absorption, C 14055Corest, Compression or Shear Bond, CA Code55Masonry Grout, 3x3x6 prism compression, UBC 21-1630Masonry Prism, half size, compression, UBC 21-17180Saturation Science Gravity, Coarse, C 12751Sodium Sulfate Soundness (per size fraction), C 88125Sodium Sulfate Soundness (per size fraction), C 88160Specific Gravity, Coarse, C 127575	Brick Compression Test, C 67\$	45		
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Concrete Block Linear Shrinkage, C 426 120 Concrete Block Linear Shrinkage, C 426 120 Concrete Block Linear Shrinkage, C 426 120 Concrete Block Unit Weight and Absorption, C 140 \$ 55 Cores, Compression or Shear Bond, CA Code \$ 85 Masonry Grout, 3x3x6 prism compression, UBC 21-18 \$ 30 Masonry Prism, half size, compression, UBC 21-17 \$ 180 Los Angeles Abrasion, C 131 or C 535 \$ 55 Organic Impurities, C 40 \$ 55 Source Analysis, Coarse Aggregate (Chemical Method), C 289 \$ 90 Sand Equivalent, CT 217 \$ 90 Sieve Analysis, Coarse Aggregate, C 136 \$ 125 Sodium Sulfate Soundness (per size fraction), C 88 \$ 160 Specific Gravity, Coarse, C 127 \$ 75	Concrete Block Compression Test, 8x8x16, C 140\$	60		
Concrete Block Linear Similage, C428 125 Concrete Block Unit Weight and Absorption, C 140 55 Cores, Compression or Shear Bond, CA Code 55 Masonry Grout, 3x3x6 prism compression, UBC 21-18 50 Masonry Prism, half size, compression, UBC 21-17 125 Masonry Prism, half size, compression, UBC 21-17 180 Sieve Analysis, Coarse Aggregate (including wash), C 136 125 Sodium Sulfate Soundness (per size fraction), C 88 160 Specific Gravity, Coarse, C 127 75	Concrete Block Conformance Package, C 90\$			
Cores, Compression or Shear Bond, CA Code \$ 55 Masonry Grout, 3X3x6 prism compression, UBC 21-18 \$ 30 Masonry Prism, half size, compression, UBC 21-17 \$ 30 Solution of Shear Bond, CA Code \$ \$ Masonry Mortar, 2x4 cylinder compression, UBC 21-16 \$ 30 Masonry Prism, half size, compression, UBC 21-17 \$ 180 Solution Sufface \$ 125 Sodum Sufface \$ 75	Concrete Block Linear Shrinkage, C 426	1100		
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Masonry Mortar, 2x4 cylinder compression, UBC 21-16 30 Masonry Prism, half size, compression, UBC 21-17 180 Sand Equivalent, CT 217 180 Sieve Analysis, Coarse Aggregate, C 136 125 Solum Sulfate Soundness (per size fraction), C 88 125 Solum Sulfate Soundness (per size fraction), C 88 160 Specific Gravity, Coarse, C 127 75		120	Los Angeles Abrasion, C 131 or C 535 Mortar making properties of fine aggregate, C 87	\$ 275
Masonry Prism, half size, compression, UBC 21-17\$ 180 Masonry Prism, half size, compression, UBC 21-17\$ 180 Sieve Analysis, Coarse Aggregate, C 136\$ 125 Sieve Analysis, Fine Aggregate (including wash), C 136\$ 125 Sodium Sulfate Soundness (per size fraction), C 88\$ 160 Specific Gravity, Coarse, C 127\$ 75	Concrete Block Unit Weight and Absorption, C 140\$	120 55	Los Argeles Abrasion, C 131 or C 535 Mortar making properties of fine aggregate, C 87 Organic Impurities, C 40	\$ 275 \$ 55
Sieve Analysis, Fine Aggregate (including wash), C 136	Concrete Block Unit Weight and Absorption, C 140\$ Cores, Compression or Shear Bond, CA Code\$	120 55 85	Los Argeles Abrasion, C 131 or C 535 Mortar making properties of fine aggregate, C 87 Organic Impurities, C 40 Potential Reactivity of Aggregate (Chemical Method), C 289	\$275 \$55 \$390
Sodium Sulfate Soundness (per size fraction), C 88	Concrete Block Unit Weight and Absorption, C 140\$ Cores, Compression or Shear Bond, CA Code\$ Masonry Grout, 3x3x6 prism compression, UBC 21-18\$	120 55 85 30	Los Angeles Abrasion, C 131 or C 535 Mortar making properties of fine aggregate, C 87 Organic Impurities, C 40 Potential Reactivity of Aggregate (Chemical Method), C 289 Sand Equivalent, CT 217	\$275 \$55 \$390 \$90
Specific Gravity, Coarse, C 127\$75	Concrete Block Unit Weight and Absorption, C 140\$ Cores, Compression or Shear Bond, CA Code\$ Masonry Grout, 3x3x6 prism compression, UBC 21-18\$ Masonry Mortar, 2x4 cylinder compression, UBC 21-16\$	120 55 85 30 30	Los Angeles Abrasion, C 131 or C 535 Mortar making properties of fine aggregate, C 87 Organic Impurities, C 40 Potential Reactivity of Aggregate (Chemical Method), C 289 Sand Equivalent, CT 217 Sieve Analysis, Coarse Aggregate, C 136	\$ 275 \$ 55 \$ 390 \$ 90 \$ 125
	Concrete Block Unit Weight and Absorption, C 140\$ Cores, Compression or Shear Bond, CA Code\$ Masonry Grout, 3x3x6 prism compression, UBC 21-18\$ Masonry Mortar, 2x4 cylinder compression, UBC 21-16\$	120 55 85 30 30	Los Angeles Abrasion, C 131 or C 535 Mortar making properties of fine aggregate, C 87 Organic Impurities, C 40 Potential Reactivity of Aggregate (Chemical Method), C 289 Sand Equivalent, CT 217 Sieve Analysis, Coarse Aggregate, C 136 Sieve Analysis, Fine Aggregate (including wash), C 136	\$ 275 \$ 55 \$ 390 \$ 90 \$ 125 \$ 125
Specific Gravity, Fine, C 128	Concrete Block Unit Weight and Absorption, C 140\$ Cores, Compression or Shear Bond, CA Code\$ Masonry Grout, 3x3x6 prism compression, UBC 21-18\$ Masonry Mortar, 2x4 cylinder compression, UBC 21-16\$	120 55 85 30 30	Los Angeles Abrasion, C 131 or C 535 Mortar making properties of fine aggregate, C 87 Organic Impurities, C 40 Potential Reactivity of Aggregate (Chemical Method), C 289 Sand Equivalent, CT 217 Sieve Analysis, Coarse Aggregate, C 136 Sieve Analysis, Fine Aggregate (including wash), C 136 Sodium Sulfate Soundness (per size fraction), C 88.	\$ 275 \$ 55 \$ 390 \$ 90 \$ 125 \$ 125 \$ 160
	Concrete Block Unit Weight and Absorption, C 140\$ Cores, Compression or Shear Bond, CA Code\$ Masonry Grout, 3x3x6 prism compression, UBC 21-18\$ Masonry Mortar, 2x4 cylinder compression, UBC 21-16\$	120 55 85 30 30	Los Angeles Abrasion, C 131 or C 535 Mortar making properties of fine aggregate, C 87 Organic Impurities, C 40 Potential Reactivity of Aggregate (Chemical Method), C 289 Sand Equivalent, CT 217 Sieve Analysis, Coarse Aggregate, C 136 Sieve Analysis, Fine Aggregate (including wash), C 136 Sodium Sulfate Soundness (per size fraction), C 88 Specific Gravity, Coarse, C 127	\$ 275 \$ 55 \$ 390 \$ 90 \$ 125 \$ 125 \$ 160 \$ 75

Special preparation of standard test specimens will be charged at the technician's hourly rate.

Ninyo & Moore is accredited to perform the AASHTO equivalent of many ASTM test procedures.

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A	GENERAL LIABILITY	6308986R247	10/03/11	10/03/12	EACH OCCURRENCE	\$1,000,000			
	X COMMERCIAL GENERAL LIABILITY				FIRE DAMAGE (Any one fire)	\$300,000			
	CLAIMS MADE X OCCUR				MED EXP (Any one person)	\$10,000			
	X Contractual				PERSONAL & ADV INJURY	\$1,000,000 \$2,000,000			
	X OCP GEN'L AGGREGATE LIMIT APPLIES PER:			1	GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	\$2,000,000			
	POLICY X PRO- JECT X LOC					02,000,000			
1	AUTOMOBILE LIABILITY X ANY AUTO	8108986R247	10/03/11	10/03/12	COMBINED SINGLE LIMIT (Ea accident)	\$1,000,000			
	ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS				BODILY INJURY (Per person)	\$			
					BODILY INJURY (Per accident)	\$			
					PROPERTY DAMAGE (Per accident)	s			
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	\$			
	ANY AUTO				OTHER THAN AUTO ONLY: AGG	\$			
1	EXCESS LIABILITY	CUP8986R247	10/03/11	10/03/12	EACH OCCURRENCE	\$9,000,000			
	X OCCUR CLAIMS MADE				AGGREGATE	\$9,000,000			
				4		\$			
	DEDUCTIBLE RETENTION \$			}		S			
3	WORKERS COMPENSATION AND	WZP80993464	05/01/11	05/01/12	X WC STATU- TORY LIMITS OTH- ER	-			
	EMPLOYERS' LIABILITY				E.L. EACH ACCIDENT	\$1,000,000			
				1	E.L. DISEASE - EA EMPLOYEE	\$1,000,000			
_					E.L. DISEASE - POLICY LIMIT \$1,000,000				
;	OTHER Professional & Contractor's	MAX7PL0000243	10/03/11	10/03/12	\$5,000,000 per Clair \$5,000,000 Annl Ag				
Fe	Pollution Liab. CRIPTION OF OPERATIONS/LOCATIONS/VI	EHICLES/EXCLUSIONS ADDED BY ENDO	RSEMENT/SPECIAL PROVISI	ONS					
s E	NERAL LIABILITY POLICY E	XCLUDES CLAIMS ARISING	OUT OF THE PERF	ORMANCE OF	PROFESSIONAL				
E	RVICES.								
	F: N&M#401900001. Project #	07027. Laurel Child Develo	pment Center. Geo.						
Se	e Attached Descriptions)								
E	RTIFICATE HOLDER AD	DITIONAL INSURED; INSURER LETTER:	CANCELLAT						
	Oakland Unified Sch	nool District			ED POLICIES BE CANCELLED B				
	Attn: Timothy White				NAMED TO THE LEFT, XXXXXX				
	955 High Street		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	MRIDDOLDHOLIDHU RIKULIN RIK KAR KIKIDOLIDHIKUNDOLUKULI A SUBODU SI ARSIKTOOD XHER RIDDU XIKULIDI					
	Oakland, CA 94601								
				PRESENTATIVE					
			Bie						

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DESCRIPTIONS (Continued from Page 1)

Obsv.,

Materials Testing & Special Insp. Svcs.

GENERAL LIABILITY/AUTOMOBILE LIABILITY ADDITIONAL INSURED: Oakland Unified School District, its Directors, Officers, Employees, Agents, and Representatives.

Insurance is primary per policy form.

Waiver of Subrogation applies to Commercial General Liability, Automobile Liability and Workers Compensation.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

This endorsement changes the policy to which it is attached effective on the inception date of the policy unless a different date is indicated below.

(The following "attaching clause" needs to be completed only when this endorsement is issued subsequent to preparation of the policy.)

This endorsement forms a part of Policy No. WZP80993464

Issued to: Ninyo & Moore Geotechnical &

By: American Automobile Ins. Co.

Premium (if any) TBD

We have a right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us).

You must maintain payroll records accurately segregating the remuneration of your employees while engaged in the work described in the Schedule.

The additional premium for this endorsement shall be 2-5% of the California workers compensation premium otherwise due on such remuneration.

Schedule

Person or Organization

Job Description

Oakland Unified School District Attn: Timothy White 955 High Street Oakland, CA 94601 REF: N&M#401900001. Project #07027. Laurel Child Development Center. Geo. Obsv., Materials Testing & Special Insp. Svcs. Oakland Unified School District, its Directors, Officers, Employees, Agents, and Representatives.

WC 04 03 06 (Ed. 4-84) Countersigned by

Bi

Authorized Representative

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

SCHEDULED ADDITIONAL INSURED - WRITTEN CONTRACT (ARCHITECTS, ENGINEERS AND SURVEYORS)

This endorsement modifies insurance provided under the following: COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

NAME OF PERSON(S) OR ORGANIZATION(S):

Oakland Unified School District, its Directors, Officers, Employees, Agents, and Representatives.

PROJECT/LOCATION OF COVERED OPERATIONS: All Operations of the Named Insured.

PROVISIONS

1. The following is added to SECTION II - WHO IS AN INSURED:

The person or organization shown in the Schedule above is an additional insured on this Coverage Part, but:

- Only with respect to liability for "bodily injury", "property damage or "personal injury" and
- b. If, and only to the extent that, the injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies. The person or organization does not qualify as an additional insured with respect to the independent acts or omissions of such person or organization.

The insured provided to such additional insured is limited as follows:

c. In the event that the Limits of Insurance of this Coverage Part shown in the Declarations exceed the limits of liability required by the "written contract requiring insurance", the insurance provided to the additional insured shall be limited to the limits of liability required by that "written contract requiring insurance" This

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endorsement shall not increase the limits of insurance described in Section III – Limits Of Insurance.

- This insurance does not apply to the rendering of or failure to render any "professional services" or construction management errors or omissions.
- e. This insurance does not apply to "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the "written contract requiring insurance" specifically requires you to provide such coverage for that additional insured, and then the insurance provided to that additional insured applies only to such "bodily injury" or "property damage" that occurs before the end of the period of time for which the "written contract requiring insurance" requires you to provide such coverage or the end of the policy period, whichever is earlier.
- 2. The following is added to Paragraph 4.a. of SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:

The insurance provided to the additional insured shown in the Schedule above is excess over any valid and collectible "other

COMMERICAL GENERAL LIABILITY

insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured for a loss we cover. However, if you specifically agree in the "written contract requiring insurance" that this insurance provided to the additional insured under this Coverage Part must apply on a primary basis or a primary and non-contributory basis, this insurance is primary to "other insurance" available to the additional insured which covers that person or organization as a named insured for such loss, and we will not share with that "other insurance". But this insurance provided to the additional insured still is excess over any valid and collectible "other insurance", whether primary, excess, contingent or on any other basis, that is available to the additional insured when that person or organization is an additional insured under any "other insurance".

3. The following is add to SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:

Duties Of An Additional Insured

As a condition of coverage provided to the additional insured:

- a. The additional insured must give us written notice as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, such notice should include:
 - i. How, when and where the "occurrence" or offense took place;
 - The names and addresses of any injured persons and witnesses; and
 - iii. The nature and location of any injury or damage arising out of the "occurrence" or offense.

- b. If a claim is made or "suit" is brought against the additional insured, the additional insured must:
 - Immediately record the specifics of the claim or "suit" and the date received; and
 - ii. Notify us as soon as practicable.

The additional insured must see to it that we receive written notice of the claim or "suit" as soon as practicable.

- c. The additional insured must immediately send us copies of all legal papers received in connection with the claim or "suit", cooperate with us in the investigation or settlement of the claim or defense against the "suit", and otherwise comply with all policy conditions.
- d. The additional insured must tender the defense and indemnity of any claim or "suit" to any provider of other insurance which would cover the additional insured for a loss we cover. However, this condition does not affect whether this insurance provided to the additional insured is primary to that other insurance available to the additional insured which covers that person or organization as a named insured.
- 4. The following definition is added to the **DEFINITIONS** Section:

"Written contract requiring insurance" means that part of any written contract or agreement with the person or organization shown in the Schedule above, under which you are required to include that person or organization as an additional insured on this Coverage Part, provided that the "bodily injury" and "property damage" occurs and the "personal injury" is caused by an offense committed:

- a. After the signing and execution of the contract or agreement by you;
- b. While that part of the contract or agreement is in effect; and
- c. Before the end of the policy period.

INDEPENDENT CONSULTANT AGREEMENT ROUTING FORM

Project Name	Laurel CDC Building Replacement	Site	Laurel CDC Building Replacement		
	Basic Di	rections			
Ser	vices cannot be provided until the contract is ful	ly approved and a P	Purchase Order has been issued.		
Attachment Proof of general liability insurance, including certificates and endorsements, if contract is over \$15,000 Checklist Workers compensation insurance certification, unless vendor is a sole provider					

The second states of the second se	Oonu	actor mitormatic						
Contractor Name	Ninyo & Moore	Agency's Contact		Jade Solis				
OUSD Vendor ID #	V058012	Title Project			t Manager			
Street Address	1956 Webster Street, Suite 400	City	Oak	kland	State	CA	Zip	94612
Telephone	510-633-5640	Policy Expire	S	10	-3-20	12		
Contractor History	Previously been an OUSD contractor? X Yes No			Vorked as	an OUSD e	mploye	e?	Yes X No
OUSD Project #	07027							

		Term	
Date Work Will Begin	5-1-2012	Date Work Will End By (not more than 5 years from start date)	12-31-2013

			Compensation			
Total Contract Amount		\$	Total Contract Not To	Exceed \$7	\$79,726.00	
Pay Rate Per Hour (If Hourly)		\$	If Amendment, Chang	ged Amount \$	\$	
Other Expenses			Requisition Number			
	COLUMN STREET,		Budget Information P funds, please contact the State and			
Resource #	Fundin	g Source	Org Key	Object Code	Amount	
9299, 9399, Mea 9499		ure B 8209901831		6252	\$79,726.00	

	Approv	val and Routing (in	order of app	roval steps)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	de and the shape of				
	rices cannot be provided before the contract is full wledge services were not provided before a PO v		chase Order is	issued. Signing this d	ocument affir	ms that to your				
	Division Head	Charles Love Phone		510-535-7081	Fax	510-535-7082				
1.	Capital Program Contract & Accounting Manager									
	Signature			Date Approved	3-12-12					
2.	General Counsel, Department of Facilities Planning and Management									
	Signature MMM			Date Approved	3.12.12					
	Associate Superintendent, Facilities Planni	ing and Management								
3.	Signature ("it			Date Approved						
	President, Board of Education									
4.	Signature			Date Approved						