

5. Fee

Exhibit A

Testing and Inspection Proposal Form

Proposal Information:

Firm Name Ninyo & Moore Geotechnical and Environmental Sciences ConsultantsDSA LEA Number #219Authorized Signature Printed Name Gregory J. Ruf, PE, GEDate March 19, 2021

Base Bid (amount shall be shown both in words and figures. In case of discrepancy the amount shown in words shall govern. Proposal amount shall include all testing, inspections, travel time, shipping charges and applicable taxes to complete the testing and inspection work as required).

Fifty Eight Thousand Six Hundred and Fifty Eight Dollars (\$58,658.00)

ACKNOWLEDGMENT

By signature below, pricing for the testing and special inspection services for the New B2100 Biology Annex. Project at Chabot College will be guaranteed to the Chabot-Las Positas Community College District effective the date accepted by the District Board of Trustees.


Signature
(Authorized Agent of Company)

March 19, 2021
Date

Proposal for Materials Testing and Inspection Services
Chabot-Las Positas Community College District - Las Positas College Horticulture Facility Project

Company Name	NINYO & MOORE						
		A		B		C	D
Item	Description	Units		Rate per Test		Number of Tests	Total
1	SOILS						
	Probe Test (Staff Engineer)	24 Hrs		\$ 110.00 /Hr			\$ 2,640.00
	Price for compaction tests (nuclear gauge test)	40 Hrs		\$ 95.00 /Hr			\$ 3,800.00
	Sampling at site, grading of soils, compaction curves	16 Hrs		\$ 95.00			\$ 1,520.00
	Soils Qualification Tests						N/A
	Moisture Curve Density	4 Tests		\$ 260.00 /Test		4	\$ 1,040.00
	Equipment Fee (Nuclear Gauge)	40 Hrs		\$ 13.00 /Hr			\$ 520.00
	Field Vehicle	80 Hrs		\$ 12.00 /Hr			\$ 960.00
						Subtotal	\$ 10,480.00
2	ASPHALTIC CONCRETE						
	AC Paving Placement/Compaction Testing	16 Hrs		\$ 95.00 /Hr			\$ 1,520.00
	Sub-Base & Base Compaction Testing	16 Hrs		\$ 95.00 /Hr			\$ 1,520.00
	Equipment Fee (Nuclear Gauge)	32 Hrs		\$ 13.00 /Hr			\$ 416.00
	Field Vehicle	32 Hrs		\$ 12.00 /Hr			\$ 384.00
	Stabilometer Value	1 Tests		\$ 215.00 /Test		1	\$ 215.00
	Extraction/Gradation	2 Tests		\$ 215.00 /Test		2	\$ 430.00
	Maximum Density/ Specific Gravity	1 Tests		\$ 195.00 /Test		1	\$ 195.00
						Subtotal	\$ 4,680.00
3	REINFORCING STEEL SAMPLING & TESTING						
	Sampling and Tagging of Reinforcing Steel (Tensile & Bend)	24 Hrs		\$ 95.00 /Hr			\$ 2,280.00
	Field Placement Inspection (Performed by Project Inspector)						N/A
	Field Vehicle	24 Hrs		\$ 12.00 /Hr			\$ 288.00
	Testing of Reinforcing Steel (Tensile & Bend) (Lab)						
	Rebar Tensile Tests	6 Tests		\$ 55.00 /Test		6	\$ 330.00
	Rebar Bend Tests	6 Tests		\$ 55.00 /Test		6	\$ 330.00
						Subtotal	\$ 3,228.00
4	CONCRETE						
	Sampling for each concrete pour and slump test at jobsite	40 Hrs		\$ 95.00 /Hr			\$ 3,800.00
	Concrete Cylinder Compression Tests (5 Field Samples)	50 Tests		\$ 30.00 /Test		6	\$ 1,500.00
	Concrete Cylinder storage						N/A
	Concrete Specimen Pickup (JOB SITE)	20 Hrs		\$ 95.00 /Hr			\$ 1,900.00

Proposal for Materials Testing and Inspection Services
 Chabot-Las Positas Community College District - Las Positas College Horticulture Facility Project

		A		B		C	D
Item	Description	Units		Rate per Test		Number of Test	Total
	Concrete mix design review (no trial Batch)	8	Hrs	\$ 140.00	/Hr		\$ 1,120.00
	Batch Plant Inspection (part time)	20	Hrs	\$ 95.00	/Hr		\$ 1,900.00
	Field Vehicle	80	Hrs	\$ 12.00	/Hr		\$ 960.00
	Concrete Core Samples						N/A
	Concrete Core Compression Tests						N/A
						Subtotal	\$ 11,180.00
5	STRUCTURAL STEEL & BOLTING (Shop and Field)						
	Shop Fabrication & Welding Inspection for Structural Steel	40	Hrs	\$ 95.00	/Hr		\$ 3,800.00
	Field Erection & Welding Inspection	40	Hrs	\$ 95.00	/Hr		\$ 3,800.00
	Tensile test						N/A
	Bend Test						N/A
	Welding Procedures	8	Hrs	\$ 95.00	/Hr		\$ 760.00
	High Strength Bolts Placement Inspection, Sampling & Torque Testing	24	Hrs	\$ 95.00	/Hr		\$ 2,280.00
	Conformance Test for High Strength Bolts, Nuts and Washers	6	Tests	\$ 205.00	/Test	6	\$ 1,230.00
	Field Vehicle	104	Hrs	\$ 12.00	/Hr		\$ 1,248.00
						Subtotal	\$ 13,118.00
6	GLU-LAM BEAMS (SHOP) - Not part of the project						
	Shop Fabrication Inspection						N/A
7	PULL OUT TESTING						
	Inspect Installation of Post-Installed Anchors	24	Hrs	\$ 95.00	/Hr		\$ 2,280.00
	Expansion Anchor Pull Out Testing (JOBSITE)	24	Hrs	\$ 105.00	/Hr		\$ 2,520.00
	Field Vehicle	48	Hrs	\$ 12.00	/Hr		\$ 576.00
						Subtotal	\$ 5,376.00
8	Roofing MASONRY						
	Reinforcing Steel Placement Inspection	24	Hrs	\$ 95.00	/Hr		\$ 2,280.00
	Masonry Block, Grout & Mortar Placement Inspection, Sampling & Testing	24	Hrs	\$ 95.00	/Hr		\$ 2,280.00
	Masonry Grout Specimen	12	Tests	\$ 30.00	/Test	12	\$ 360.00
	Masonry Mortar Specimen	12	Tests	\$ 30.00	/Test	12	\$ 360.00
	Field Vehicle Charge	48	Hrs	\$ 12.00	/Hr		\$ 576.00
						Subtotal	\$ 5,856.00
9	ADDITIONAL SERVICES						
	Mileage Rate (if any)						N/A
	Principal Engineer (Project Oversight, Consultation and Final Report Preparation)	8	Hrs	\$ 185.00	/Hr		\$ 1,480.00
	Project Manager (Meetings, RFI & Submittal review, Project Coordination & Progress Report Preparation)	16	Hrs	\$ 140.00	/Hr		\$ 2,240.00
	Project Assistant (Data Compilation, Word Processing & Dispatch)	12	Hrs	\$ 85.00	/Hr		\$ 1,020.00
						Subtotal	\$ 4,740.00

Exhibit B

Proposal for Materials Testing and Inspection Services Chabot-Las Positas Community College District –
Las Positas College Horticulture Facility Project

		A	B	C	D
<i>Item</i>	<i>Description</i>	<i>Units</i>	<i>Rate per test</i>	<i>Number of Test</i>	<i>Total</i>
	All above unit prices to include necessary equipment, report time, supervision time, clerical time, misc. documents, and other charges necessary to support such activity.				
	Provide minimum requirements (if any): 4 Hours minimum and 4 Hour increment.				
	Address if travel time is to be charged to job site, from job site, both to and from job site, or not at all. (Travel time will be included in				
	Projected Total				\$ 58,658.00

Request for Proposals RFP
 Las Positas College Horticulture Facility DSA
 Approved Testing and Inspection Lab

Chabot – Las Positas Community College District

Schedule of Fees

Hourly Charges for Personnel

Principal Engineer/Geologist/Environmental Scientist.....	\$ 185
Senior Engineer/Geologist/Environmental Scientist.....	\$ 165
Senior Project Engineer/Geologist/Environmental Scientist.....	\$ 150
Project Engineer/Geologist/Environmental Scientist.....	\$ 140
Senior Staff Engineer/Geologist/Environmental Scientist.....	\$ 125
Staff Engineer/Geologist/Environmental Scientist.....	\$ 115
GIS Analyst.....	\$ 110
Field Operations Manager.....	\$ 125
Supervisory Technician.....	\$ 110
Nondestructive Examination Technician, UT, MT, LP.....	\$ 110
Field/Laboratory Technician.....	\$ 95
Special Inspector (Asphalt, Concrete, Masonry, Steel, Welding, and Fireproofing).....	\$ 95
Technical Illustrator/CAD Operator.....	\$ 85
Information Specialist.....	\$ 85
Geotechnical/Environmental Assistant.....	\$ 80
Data Processing, Technical Editing, or Reproduction.....	\$ 70

Other Charges

Expert Witness Testimony.....	\$ 400 /hr
Concrete Coring Equipment (includes one technician).....	\$ 160 /hr
PID/FID Usage.....	\$ 130 /day
Anchor load test equipment (includes technician).....	\$ 105 /hr
Hand Auger Equipment.....	\$ 65 /day
Inclinometer Usage.....	\$ 40 /hr
Vapor Emission Kits.....	\$ 40 /kit
Level D Personal Protective Equipment (per person per day).....	\$ 30 /p/d
Rebar Locator (Pachometer).....	\$ 30 /hr
Nuclear Density Gauge Usage.....	\$ 13 /hr
Field Vehicle Usage.....	\$ 12 /hr
Direct Project Expenses.....	Cost plus 15 %
Laboratory testing, geophysical equipment and other special equipment provided upon request.	

Notes

For field and laboratory technicians and special inspectors, overtime rates at 1.5 times the regular rates will be charged for work performed in excess of 8 hours in one day Monday through Friday and the first 8 hours on Saturday. Rates at twice the regular rates will be charged for all work in excess of 12 hours Monday through Friday, in excess of 8 hours on Saturday, all day Sunday and on holidays. Field technician and special inspection hours for day shift work are charged at a 4-hour minimum, and 8-hour minimum for hours exceeding 4 hours, and 1/2-hour increments thereafter. Field technician and special inspection hours for shift work (starting at or after 2 PM or before 4 AM) are charged at an 8-hour minimum. Field services are billed on a portal-to-portal basis from our base of operations. Cancellations made after 4 PM on the prior business day are subject to a 4-hour charge.

Our rates will be adjusted proportionally in conjunction with any increase in the Prevailing Wage Determination during the life of the project, as applicable. Prevailing wage adjustments are made July 1 annually. For non-prevailing wage projects our rates are subject to a cost-of-living adjustment based on the consumer price index (CPI-W) annually on a calendar year basis.

Invoices are payable upon receipt. A service charge of 1.5 percent per month may be charged on accounts not paid within 30 days.

Schedule of Fees for Laboratory Testing

Laboratory Test, Test Designation, and Price Per Test

SOILS

Atterberg Limits, D 4318, CT 204	\$ 180
California Bearing Ratio (CBR), D 1883	\$ 440
Chloride and Sulfate Content, CT 417 & CT 422	\$ 135
Consolidation, D 2435, CT 219	\$ 275
Consolidation – Time Rate, D 2435, CT 219	\$ 70
Direct Shear – Remolded, D 3080	\$ 290
Direct Shear – Undisturbed, D 3080	\$ 250
Durability Index, CT 229	\$ 150
Expansion Index, D 4829, UBC 18-2	\$ 240
Expansion Potential (Method A), D 4546	\$ 180
Expansive Pressure (Method C), D 4546	\$ 180
Geofabric Tensile and Elongation Test, D 4632	\$ 165
Hydraulic Conductivity, D 5084	\$ 300
Hydrometer Analysis, D 422, CT 203	\$ 190
Moisture, Ash, & Organic Matter of Peat/Organic Soils	\$ 110
Moisture Only, D 2216, CT 226	\$ 30
Moisture and Density, D 2937	\$ 50
Permeability, CH, D 2434, CT 220	\$ 290
pH and Resistivity, CT 643	\$ 160
Proctor Density D 1557, D 698, CT 216, &	\$ 260
AASHTO T-180 (Rock corrections add \$80)	
R-value, D 2844, CT 301	\$ 425
Sand Equivalent, D 2419, CT 217	\$ 110
Sieve Analysis, D 422, CT 202	\$ 110
Sieve Analysis, 200 Wash, D 1140, CT 202	\$ 90
Specific Gravity, D 854	\$ 200
Triaxial Shear, C.D, D 4767, T 297	\$ 390
Triaxial Shear, C.U., w/pore pressure, D 4767, T 2297 per pt.	\$ 330
Triaxial Shear, C.U., w/o pore pressure, D 4767, T 2297 per pt.	\$ 190
Triaxial Shear, U.U., D 2850	\$ 140
Unconfined Compression, D 2166, T 208	\$ 100
Wax Density, D 1188	\$ 90

ROOFING

Built-up Roofing, cut-out samples, D 2829	\$ 165
Roofing Materials Analysis, D 2829	\$ 500
Roofing Tile Absorption, (set of 5), UBC 15-5	\$ 190
Roofing Tile Strength Test, (set of 5), UBC 15-5	\$ 190

MASONRY

Brick Absorption, 24-hour submersion, C 67	\$ 45
Brick Absorption, 5-hour boiling, C 67	\$ 55
Brick Absorption, 7-day, C 67	\$ 60
Brick Compression Test, C 67	\$ 45
Brick Efflorescence, C 67	\$ 45
Brick Modulus of Rupture, C 67	\$ 40
Brick Moisture as received, C 67	\$ 35
Brick Saturation Coefficient, C 67	\$ 50
Concrete Block Compression Test, 8x8x16, C 140	\$ 60
Concrete Block Conformance Package, C 90	\$ 1100
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 Mortar, 2x4 cylinder compression, UBC 21-16	\$ 30
Masonry Prism, half size, compression, UBC 21-17	\$ 180

CONCRETE

Cement Analysis Chemical and Physical, C 109	\$ 1,650
Compression Tests, 6x12 Cylinder, C 39	\$ 30
Concrete Mix Design Review, Job Spec	\$ 140
Concrete Mix Design, per Trial Batch, 6 cylinder, ACI	\$ 750
Concrete Cores, Compression (excludes sampling), C 42	\$ 55
Drying Shrinkage, C 157	\$ 250
Flexural Test, C 78	\$ 100
Flexural Test, C 293	\$ 55
Flexural Test, CT 523	\$ 100
Gunite/Shotcrete, Panels, 3 cut cores per panel and test, ACI	\$ 250
Jobsite Testing Laboratory	Quote
Lightweight Concrete Fill, Compression, C 495	\$ 55
Petrographic Analysis, C 856	\$ 1,100
Splitting Tensile Strength, C 496	\$ 80

REINFORCING AND STRUCTURAL STEEL

Fireproofing Density Test, UBC 7-6	\$ 70
Hardness Test, Rockwell, A-370	\$ 80
High Strength Bolt, Nut & Washer Conformance, set, A-32	\$ 205
Mechanically Spliced Reinforcing Tensile Test, ACI	\$ 95
Pre-Stress Strand (7 wire), A 416	\$ 140
Chemical Analysis, A-36, A-615	\$ 120
Reinforcing Tensile or Bend up to No. 11, A 615 & A 706	
No. 8 Rebar	\$ 55
No. 11 Rebar	\$ 75
No. 18 Rebar	\$ 150
Structural Steel Tensile Test: Up to 200,000 lbs.	
(machining extra), A 370	\$ 105
Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI	\$ 80
Tensile Test for Fiberwrap (ASTM D-3039)	\$ 675

ASPHALT CONCRETE

Asphalt Mix Design, Caltrans	\$ 2,200
Asphalt Mix Design Review, Job Spec	\$ 150
Extraction, % Asphalt, including Gradation, D 2172, CT 310	\$ 215
Film Stripping, CT 302	\$ 100
Hveem Stability and Unit Weight CTM or ASTM, CT 366	\$ 195
Marshall Stability, Flow and Unit Weight, T-245	\$ 215
Maximum Theoretical Unit Weight, D 2041	\$ 120
Swell, CT 305	\$ 165
Unit Weight sample or core, D 2726, CT 308	\$ 90
SuperPave, Asphalt Mix Verification (incl. Aggregate Quality)	\$ 5,200
SuperPave, Gyration Unit Wt., T 312	\$ 75
SuperPave, Hamburg Wheel, 20,000 passes, T 324	\$ 1,000

AGGREGATES

Absorption, Coarse, C 127	\$ 35
Absorption, Fine, C 128	\$ 35
Clay Lumps and Friable Particles, C 142	\$ 100
Cleaness Value, CT 227	\$ 160
Crushed Particles, CT 205	\$ 140
Durability, Coarse, CT 229	\$ 165
Durability, Fine, CT 229	\$ 165
Los Angeles Abrasion, C 131 or C 535	\$ 180
Mortar making properties of fine aggregate, C 87	\$ 275
Organic Impurities, C 40	\$ 55
Potential Reactivity of Aggregate (Chemical Method), C 289	\$ 390
Sand Equivalent, CT 217	\$ 90
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
Specific Gravity, Fine, C 128	\$ 110

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.