

# AGREEMENT FOR PROFESSIONAL SERVICES

## Materials Testing for 2026 Annual Street Repair and Resurfacing

### PREAMBLE

THIS AGREEMENT is by and between TOWN OF LOS GATOS, a California municipal corporation, ("Town") and Ninyo & Moore Geotechnical & Environmental Sciences Consultants ("Consultant"), a Corporation whose address is 5710 Ruffin Road, San Diego, CA 92123. This Agreement is made with reference to the following facts.

### I. RECITALS

- A. Town desires to engage Consultant to provide materials testing services for the 2026 Annual Street Repair and Resurfacing Project
- B. Consultant represents and affirms that it is willing to perform the desired work pursuant to this Agreement.
- C. Consultant warrants it possesses the distinct professional skills, qualifications, experience, and resources necessary to timely perform the services described in this Agreement. Consultant acknowledges Town has relied upon these warranties to retain the Consultant.

### II. AGREEMENT

- A. Scope of Services. Consultant shall provide services as described in the Scope of Services, which is hereby incorporated by reference and attached as Exhibit A.
- B. Term. The term of this Agreement shall be from upon execution to Thursday, December 31, 2026.
- C. Compliance with Laws. The Consultant shall comply with all applicable laws, codes, ordinances, and regulations of governing federal, state and local laws. Consultant represents and warrants to Town that it has all licenses, permits, qualifications and approvals of whatsoever nature which are legally required for the Consultant to practice its profession. Consultant shall maintain a Town of Los Gatos business license as required in Chapter 14 of the Code of the Town of Los Gatos.
- D. Sole Responsibility. Consultant shall be responsible for employing or engaging all persons necessary to perform the services under this Agreement.
- E. Information/Report Handling. All documents furnished to Consultant by the Town and all reports and supportive data prepared by the Consultant under this Agreement are the Town's property and shall be delivered to the Town upon the completion of services or at the Town's written request. All reports, information, data, and exhibits prepared or assembled by Consultant in connection with the performance of its services pursuant to this Agreement are confidential until released by the Town to the public, and the Consultant shall not make any of these documents or information available to any individual or organization not employed by the Consultant or the Town without the written consent of the Town before such release. The Town acknowledges that the reports to be prepared by the Consultant pursuant to this Agreement are for the purpose of evaluating a defined project, and Town's use of the information contained in the reports prepared by the Consultant in connection with other projects shall be solely at Town's risk, unless the Consultant expressly consents to such use in writing. Town further agrees that it will not appropriate any methodology or technique of Consultant which is and has been confirmed in writing by Consultant to be a trade secret of Consultant.

- F. Compensation: Compensation for Consultant's professional services **shall not exceed \$27,290.00** at the rates set forth in Exhibit A which is attached and incorporated by reference. Payment shall be based upon Town approval of each task.
- G. Billing. Billing shall be monthly by invoice within thirty (30) days of the rendering of the service and shall be accompanied by a detailed explanation of the work performed by whom at what rate and on what date. Also, plans, specifications, documents or other pertinent materials shall be submitted for Town review, even if only in partial or draft form.  
Payment shall be net thirty (30) days. All invoices and statements to the Town shall be addressed as follows:  
Invoices: Town of Los Gatos  
Attn: Accounts Payable  
P.O. Box 655  
Los Gatos, CA 95031-0655  
Email (preferred): AP@losgatosca.gov
- H. Availability of Records. Consultant shall maintain the records supporting this billing for not less than three years following completion of the work under this Agreement. Consultant shall make these records available to authorized personnel of the Town at the Consultant offices during business hours upon written request of the Town.
- I. Assignability and Subcontracting. The services to be performed under this Agreement are unique and personal to the Consultant. No portion of these services shall be assigned or subcontracted without the written consent of the Town.
- J. Independent Contractor. It is understood that the Consultant, in the performance of the work and services agreed to be performed, shall act as and be an independent contractor and not an agent or employee of the Town. As an independent contractor he/she shall not obtain any rights to retirement benefits or other benefits which accrue to Town employee(s). With prior written consent, the Consultant may perform some obligations under this Agreement by subcontracting, but may not delegate ultimate responsibility for performance or assign or transfer interests under this Agreement. Consultant agrees to testify in any litigation brought regarding the subject of the work to be performed under this Agreement. Consultant shall be compensated for its costs and expenses in preparing for, traveling to, and testifying in such matters at its then current hourly rates of compensation, unless such litigation is brought by Consultant or is based on allegations of Consultant's negligent performance or wrongdoing.
- K. Conflict of Interest. Consultant understands that its professional responsibilities are solely to the Town. The Consultant has and shall not obtain any holding or interest within the Town of Los Gatos. Consultant has no business holdings or agreements with any individual member of the Staff or management of the Town or its representatives, nor shall it enter into any such holdings or agreements. In addition, Consultant warrants that it does not presently and shall not acquire any direct or indirect interest adverse to those of the Town in the subject of this Agreement, and it shall immediately disassociate itself from such an interest, should it discover it has done so and shall, at the Town's sole discretion, divest itself of such interest. Consultant shall not knowingly and shall take reasonable steps to ensure that it does not employ a person having such an interest in this

performance of this Agreement. If after employment of a person Consultant discovers it has employed a person with a direct or indirect interest that would conflict with its performance of this Agreement, Consultant shall promptly notify Town of this employment relationship, and shall, at the Town's sole discretion, sever any such employment relationship.

- L. Non-Discrimination. Consultant warrants that it is an equal opportunity employer and shall comply with applicable regulations governing equal employment opportunity. Neither Consultant nor its subcontractors do and neither shall discriminate against persons employed or seeking employment with them on the basis of age, sex, color, race, marital status, sexual orientation, ancestry, physical or mental disability, national origin, religion, or medical condition, unless based upon a bona fide occupational qualification pursuant to the California Fair Employment & Housing Act.

### III. INSURANCE AND INDEMNIFICATION

#### A. Minimum Scope of Insurance:

1. Consultant agrees to have and maintain, for the duration of the contract, General Liability insurance policies insuring him/her and his/her firm to an amount not less than: two million dollars (\$2,000,000) combined single limit per occurrence for bodily injury, personal injury and property damage.
2. Consultant agrees to have and maintain for the duration of the contract, an Automobile Liability insurance policy ensuring him/her and his/her staff to an amount not less than one million dollars (\$1,000,000) combined single limit per accident for bodily injury and property damage.
3. Consultant shall provide to the Town all certificates of insurance, with original endorsements effecting coverage. Service Provider agrees that all certificates and endorsements are to be received and approved by the Town before work commences.
4. Consultant agrees to have and maintain, for the duration of the contract, professional liability insurance in amounts not less than \$1,000,000 which is sufficient to insure Consultant for professional errors or omissions in the performance of the particular scope of work under this agreement.

#### B. General Liability:

1. The Town, its elected and appointed officials, employees, and agents are to be covered as insured as respects: liability arising out of activities performed by or on behalf of the Consultant; products and completed operations of Consultant, premises owned or used by the Consultant.
2. The Consultant's insurance coverage shall be primary insurance as respects the Town, its elected and appointed officials, employees, and agents. Any insurance or self-insurances maintained by the Town, its officers, officials, employees or agents shall be excess of the Consultant's insurance and shall not contribute with it.
3. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Town, its officers, officials, employees or agents.

4. Consultant's insurance shall apply separately to each insured against whom a claim is made or suit is brought, except with respect to the limits of the insurer's liability.
- C. All Coverages. Each insurance policy required in this item shall be endorsed to state that coverage shall not be suspended, voided, cancelled, 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 Town. Current certification of such insurance shall be kept on file at all times during the term of this agreement with the Town Clerk.
- D. Workers' Compensation. In addition to these policies, Consultant shall have and maintain Workers' Compensation insurance as required by California law and shall provide evidence of such policy to the Town before beginning services under this Agreement. Further, Consultant shall ensure that all subcontractors employed by Consultant provide the required Workers' Compensation insurance for their respective employees. As required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than one million dollars (\$1,000,000) per accident for bodily injury or disease.
- E. Indemnification. The Consultant shall indemnify the Town its elected and appointed officials, employees and agents from all damages, liabilities, penalties, costs, or expenses in law or equity that may at any time arise or be set up because of damages to property or personal injury received by reason of, or in the course of performing work which may be occasioned by any act or omissions of the Consultant, or any of the Consultant's officers, employees, or agents or any subconsultant. Consultant shall defend the Town against any such claims.

#### IV. GENERAL TERMS

- A. Waiver. No failure on the part of either party to exercise any right or remedy hereunder shall operate as a waiver of any other right or remedy that party may have hereunder, nor does waiver of a breach or default under this Agreement constitute a continuing waiver of a subsequent breach of the same or any other provision of this Agreement.
- B. Governing Law. This Agreement, regardless of where executed, shall be governed by and construed to the laws of the State of California. Venue for any action regarding this Agreement shall be in the Superior Court of the County of Santa Clara.
- C. Mediation. Should any dispute arise out of this Agreement, any party may request that it be submitted to mediation. The parties shall meet in mediation within 30 days of a request. The mediator shall be agreed to by the mediating parties. In the absence of an agreement, the parties shall each submit one name from mediators listed by either the American Arbitration Association, the California State Board of Mediation and Conciliation, or other agreed-upon service. The mediator shall be selected by a blind draw. The cost of mediation shall be borne equally by the parties. Neither party shall be deemed the prevailing party. No party shall be permitted to file a legal action without first meeting in mediation and making a good faith attempt to reach a mediated settlement. The mediation process, once commenced by a meeting with the mediator, shall last until agreement is reached by the parties but not more than 60 days, unless the maximum time is extended by the parties.
- D. Termination of Agreement. The Town and the Consultant shall have the right to terminate this agreement with or without cause by giving not less than fifteen days (15) written notice of termination. In the event of termination, the Consultant shall deliver to the Town all plans, files, documents, reports, performed to date by the Service Provider. In the event of such termination, Town shall pay Consultant an amount that bears the

same ratio to the maximum contract price as the work delivered to the Town bears to completed services contemplated under this Agreement, unless such termination is made for cause, in which event, compensation, if any, shall be adjusted in light of the particular facts and circumstances involved in such termination.

- E. Amendment. No modification, waiver, mutual termination, or amendment of this Agreement is effective unless made in writing and signed by the Town and the Consultant.
- F. Notices. Any notice required to be given shall be deemed to be duly and properly given if mailed postage prepaid, and addressed to:

Town of Los Gatos  
Attn: Town Clerk  
110 E. Main Street, Los Gatos, CA 95030

Ninyo & Moore Geotechnical & Environmental Sciences Consultants  
5710 Ruffin Road, San Diego, CA 92123

or personally delivered to Consultant to such address or such other address as Consultant designates in writing to Town.

- G. Order of Precedence. In the event of any conflict, contradiction, or ambiguity between the terms and conditions of this Agreement in respect of the Products or Services and any attachments to this Agreement, then the terms and conditions of this Agreement shall prevail over attachments or other writings.
- H. Entire Agreement. This Agreement, including all Exhibits, constitutes the complete and exclusive statement of the Agreement between the Town and Consultant. No terms, conditions, understandings or agreements purporting to modify or vary this Agreement, unless hereafter made in writing and signed by the party to be bound, shall be binding on either party.

Attachments:

A - Ninyo and Moore Proposal



IN WITNESS WHEREOF, the Town and Consultant have executed this Agreement.

TOWN OF LOS GATOS:

CONSULTANT: NINYO & MOORE GEOTECHNICAL &  
ENVIRONMENTAL SCIENCES

\_\_\_\_\_  
**SIGNATURE**

Chris Constantin

\_\_\_\_\_  
**FULL NAME**

Town Manager

\_\_\_\_\_  
**TITLE**

\_\_\_\_\_  
**DATE SIGNED**

\_\_\_\_\_  
**SIGNATURE**

Lothus Hennefer

\_\_\_\_\_  
**ENTER CONSULTANT SIGNATORY'S NAME**

Principal/Construction Services

\_\_\_\_\_  
**ENTER CONSULTANT SIGNATORY'S TITLE**

\_\_\_\_\_  
**DATE SIGNED**

Approved as to form:

\_\_\_\_\_  
**SIGNATURE**

Gabrielle Whelan

\_\_\_\_\_  
**FULL NAME**

Town Attorney

\_\_\_\_\_  
**TITLE**

\_\_\_\_\_  
**DATE SIGNED**

The execution date is the date on which the last party has signed.

## Exhibits List

A - Ninyo and Moore Proposal

**Exhibit A**

**Ninyo and Moore Proposal**

April 2, 2026  
Proposal No. 08SJO06-03695

Ms. Janice Chin  
Town of Los Gatos  
41 Miles Avenue  
Los Gatos, California 95030

Subject: Proposal for Materials Testing Services  
2026 Annual Street Repair and Resurfacing Project  
Various Locations, Los Gatos, California  
Project No.: 25-811-9901

Dear Ms. Chin:

In accordance with your request, we are pleased to submit this cost proposal for materials testing services for the 2026 Annual Street Repair and Resurfacing Project in Los Gatos, California. This proposal includes cost estimates based on our review of the project plans and our previous experience with similar projects.

## **PROPOSED SCOPE OF WORK**

Based on our understanding of the proposed construction and our experience with similar projects, we propose to provide the following scope of services:

### **Materials Testing**

- Provide technical consultation during construction including submittal review and respond to requests for information.
- Sampling of hot mix asphalt, slurry emulsion seal coat, asphalt rubber binder and chip aggregate from the job site and batch plant and transportation to our laboratory for testing.
- Conformance testing of aggregate base material including sieve analysis (CT 202), Sand Equivalent (CT 217), Cleanness Value (CT 227), Durability Index (CT 229) and Crushed Particles (CT 205) tests in the laboratory.
- Conformance testing of aggregate base material including Los Angeles Abrasion, Flat Elongated Particle (D 4791) and Fine Aggregate Angularity (CT 234) tests in the laboratory.
- Conformance testing of asphalt concrete material including Film Stripping (CT 302) tests in the laboratory.

- Screening of spread rate for slurry emulsion seal coat and asphalt rubber binder in accordance with CT339.

## Project Management

- Provide project management to include client liaison, work scheduling, quality review, and distribution of test data and daily field inspection reports.
- Preparation of daily field reports documenting items inspected.

## ESTIMATED FEE

We propose to perform the scope of services described above, subject to the listed assumptions, on a time-and-materials basis in accordance with the attached Schedule of Fees.

Our fee estimate for the scope of services described for this project is \$27,290. Our detailed estimate of fees is attached (Table 1). Should the construction schedule require a lesser or greater amount of services than that estimated herein, the cost will vary accordingly.

We sincerely appreciate the opportunity to submit this proposal and look forward to working with you on this project.

Respectfully submitted,  
**NINYO & MOORE**



Francis Thummasit  
Senior Project Manager



Lothus Hennefer, P.E.  
Construction Services Manager

FST/LMH/rk

Attachments: Table 1 - Breakdown of Estimated Fee  
Schedule of Fees

**Table 1 - Breakdown of Estimated Fee**

**Compaction Testing**

Senior Technician	Sampling and Compaction Testing of Subgrade Soils and Aggregate Base	110 hours	@	\$ 135.00 /hour	\$ 14,850.00
Laboratory Testing	Gradation (CT 382)	2 tests	@	\$ 260.00 /test	\$ 520.00
Laboratory Testing	Sand Equivalent (CT 217)	2 tests	@	\$ 155.00 /test	\$ 310.00
Laboratory Testing	Moisture Content (CT 370)	2 tests	@	\$ 105.00 /test	\$ 210.00
Laboratory Testing	Crushed Particles (CT 205)	2 tests	@	\$ 180.00 /test	\$ 360.00
Laboratory Testing	Los Angeles Abrasion	2 tests	@	\$ 220.00 /test	\$ 440.00
Laboratory Testing	Flat and Elongated Particle (D 4791)	2 tests	@	\$ 230.00 /test	\$ 460.00
Laboratory Testing	Cleanness Value (CT 227)	2 tests	@	\$ 190.00 /test	\$ 380.00
Laboratory Testing	Fine Aggregate Angularity (CT 234)	2 tests	@	\$ 180.00 /test	\$ 360.00
Laboratory Testing	Durability Index (CT 229)	2 tests	@	\$ 205.00 /test	\$ 410.00
Laboratory Testing	Sieve Analysis (CT 202)	2 tests	@	\$ 175.00 /test	\$ 350.00
Laboratory Testing	Film Stripping (CT 302)	2 tests	@	\$ 130.00 /test	\$ 260.00
Laboratory Testing	Hveem Stability and Unit Weight	2 tests	@	\$ 240.00 /test	\$ 480.00
<b>Subtotal</b>					<b>\$ 19,390.00</b>

**Other Charges**

Equipment		110 hours	@	\$ 15.00 /hour	\$ 1,650.00
Vehicle		110 hours	@	\$ 15.00 /hour	\$ 1,650.00
<b>Subtotal</b>					<b>\$ 3,300.00</b>

Geo/Project Assistant	Dispatch	8 hours	@	\$ 120.00 /hour	\$ 960.00
Senior Project Engineer/Manager	Meetings, Project Coordination and Progress Reports	12 hours	@	\$ 220.00 /hour	\$ 2,640.00
Principal Engineer	Project Oversight and Consultation	4 hours	@	\$ 250.00 /hour	\$ 1,000.00
<b>Subtotal</b>					<b>\$ 4,600.00</b>

**TOTAL ESTIMATED FEE**

**\$27,290.00**

## Schedule of Fees

### Hourly Charges for Personnel

#### Professional Staff

Principal Engineer/Geologist/Environmental Scientist/Certified Industrial Hygienist .....	\$ 250
Senior Engineer/Geologist/Environmental Scientist .....	\$ 235
Senior Project Engineer/Geologist/Environmental Scientist .....	\$ 220
Project Engineer/Geologist/Environmental Scientist .....	\$ 210
Senior Staff Engineer/Geologist/Environmental Scientist .....	\$ 200
Staff Engineer/Geologist/Environmental Scientist .....	\$ 180
GIS Analyst .....	\$ 160
Technical Illustrator/CAD Operator .....	\$ 140

#### Field Staff

Certified Asbestos/Lead Technician .....	\$ 220
Field Operations Manager .....	\$ 150
Nondestructive Examination Technician (UT, MT, LP) .....	\$ 145
Supervisory Technician .....	\$ 140
Special Inspector (Concrete, Masonry, Structural Steel, Welding, and Fireproofing) .....	\$ 135
Senior Technician .....	\$ 135
Technician .....	\$ 130

#### Administrative Staff

Information Specialist .....	\$ 120
Geotechnical/Environmental/Laboratory Assistant .....	\$ 120
Data Processor .....	\$ 95

#### Other Charges

Concrete Coring Equipment (includes technician) .....	\$ 250/hr
Anchor Load Test Equipment (includes technician) .....	\$ 190/hr
GPR Equipment .....	\$ 180/hr
State of California Prevailing Wage Surcharge .....	\$ 30/hr
Inclinometer .....	\$ 100/hr
Hand Auger Equipment .....	\$ 80/hr
Rebar Locator (Pachometer) .....	\$ 25/hr
Vapor Emission Kit .....	\$ 65/kit
Equipment .....	\$ 15/hr
X-Ray Fluorescence .....	\$ 70/hr
PID/FID .....	\$ 25/hr
Air Sampling Pump .....	\$ 10/hr
Field Vehicle .....	\$ 15/hr
Equipment .....	\$ 15/hr
Expert Witness Testimony .....	\$ 450/hr
Direct Expenses .....	Cost plus 15 %

Special equipment charges will be provided upon request.

#### Notes

Our field services, are charged at a 4-hour minimum, and 8-hour minimum for hours exceeding 4 hours. 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 all day on Saturday. Rates at twice the regular rates will be charged for all work in excess of 12 hours in one day, all day Sunday and on holidays.

Field services that may be subject to prevailing wage in accordance with AB 1768 and Prevailing Wage Determinations, will be subject to a prevailing wage surcharge as shown in our Schedule of Fees. Our rates will be adjusted in conjunction with the increase in the Prevailing Wage Determination during the life of the project, as applicable.

The terms and conditions are included in Ninyo & Moore's Work Authorization and Agreement form.

## Schedule of Fees for Laboratory Testing

### SOILS

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

### MASONRY

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

### REINFORCING AND STRUCTURAL STEEL

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

### CONCRETE

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

### ASPHALT

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

### AGGREGATES

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

### ROOFING

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

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.