

- b. Approve Agreement with John R. Byerly, Inc., for Geotechnical Investigation Services for the Warehouse Conversion Project (Packinghouse), at a cost not to exceed \$10,040.00, to be funded by Special Reserve Funds. Authorize Jason Hill, Deputy Superintendent, Business Services, to sign on behalf of the Board (Appendix Item).**

## **AGREEMENT**

John R. Byerly, Inc., hereinafter referred to as "Geotechnical Engineer" and Redlands Unified School District, hereinafter referred to as "District".

District agrees to retain the services of the Geotechnical Engineer in connection with the property described in the attached proposal letter and Geotechnical Engineer agrees to the retention of its services by District upon the following terms and conditions:

1. Geotechnical Engineer will render such services as are described in the proposal letter attached with this agreement and such additional work as may be described in addendum proposal letters by the Geotechnical Engineer.
2. District agrees to pay the Geotechnical Engineer for said services on a time consumption basis as shown on the attached Schedule of Fees.

## **TERMINATION**

In the event that District requests termination of the work prior to completion, Geotechnical Engineer reserves the right to complete such analysis and records as are necessary to place files in order, to dispose of samples, put equipment in order, and where considered necessary to protect his professional reputation, to complete a report of the work performed to date. Therefore, in addition to those charges incurred up to the date of termination, a termination charge to cover the cost of the additional necessary work performed after the request to terminate has been received shall be made, not to exceed 30% of all charges incurred to date of the stoppage of the work.

## **TERMS OF PAYMENT**

Geotechnical Engineer, after the end of each calendar month, or at completion of any phase of the work, shall submit to District, in duplicate, an itemized bill for services rendered and costs incurred. Said bill shall be due and payable when rendered. District agrees to pay court and reasonable attorney's fees should suit be commenced in court to collect any portion of the account.

## **SCOPE OF SERVICES TO BE PERFORMED**

### **1. Scheduling**

Work will be scheduled as soon as practicable and such scheduling will be contingent upon unavoidable delays in performance beyond the Geotechnical Engineer's reasonable control, or delays caused by failure of District or District's agents to furnish information or to approve or disapprove Geotechnical Engineer's work properly, or due to late or slow, or faulty performance by District, contractors, or governmental agencies, the performance of whose work is precedent to or concurrent with the performance with the Geotechnical Engineer's work. The Geotechnical Engineer shall not be responsible for damage due to the aforementioned delays. In the event of occurrence of such delays, an unreasonable delay resulting from such cause, District shall have the right to declare this contract terminated,

thereby discharging both parties herein, as to any remaining obligations hereunder. In the event District exercises its rights pursuant to this paragraph, District shall notify the Geotechnical Engineer in writing of such act and agree to pay the Geotechnical Engineer, pursuant to the fee schedule, for all work and services actually performed by the Geotechnical Engineer, in accordance with the Termination Clause.

## 2. Subcontracting

Normal subcontracting may be for drilling or other excavation equipment, but may also include the following: computer services; furnishing and driving test piling; special testing, e.g. agronomical, corrosion, x-ray; geological or other consulting services; and aerial surveys.

## GENERAL TERMS

### 1. Project Understanding

District shall make available all information to the Geotechnical Engineer regarding existing and proposed conditions of the site. The information shall consist of, but not limited to, plot plan, locations of structures, building plans, grading plans, topographic data, previous soil data including borings, field or laboratory testing and written reports. Any changes in plans or additional information that might become available affecting the Geotechnical Engineer and noted by the District or its agents shall be submitted to the Geotechnical Engineer as they become available. It will be the responsibility of the District to notify the Geotechnical Engineer of any changes in the concept of the project. Where drawings, data, and other information are provided to the Geotechnical Engineer, he will rely upon such information to the extent intended by the District. District agrees to indemnify and hold harmless the Geotechnical Engineer from injury or death of persons or damage to property as a result of such reliance.

### 2. Safety

District agrees to provide a safe place for the Geotechnical Engineer's employees to perform their duties in furnishing the services provided for under this contract.

### 3. Claims

In the event the District makes a claim against the Geotechnical Engineer or at law or otherwise for any alleged error or omissions or other acts arising out of performance of the professional services, and the District fails to prove such claims, the District shall pay all costs and attorney's fees incurred by the Geotechnical Engineer in defending itself against the claim. In the event District proves an error or omission or other wrongdoing arising out of the performance of the Geotechnical Engineer's professional services, the Geotechnical Engineer shall pay all costs and attorney's fees incurred by District regarding such claim.

**4. Access to Site**

District agrees to give or obtain permission and any permits necessary to allow the Geotechnical Engineer access to the site for all necessary equipment and personnel, at no charge to the Geotechnical Engineer.

**5. Waiver of Contract Provisions**

None of the provision of this contract shall be considered waived by the Geotechnical Engineer unless such waiver is given in writing by the Geotechnical Engineer. No such waiver shall be a waiver of any part of future defaults, breach or modifications of any of the terms, provisions, conditions or covenants of this contract unless expressly set forth in such waiver. Any failure of the Geotechnical Engineer at any time to enforce or require the strict keeping and performance of any of the terms or conditions of this contract shall not constitute a waiver of such terms or conditions and shall not affect or impair such items or conditions in any way or the right of the Geotechnical Engineer at any time to avail itself of such remedies as it may have for any breach or breaches of such terms or conditions.

**6. Conflicts**

Conflicts between specifications, drawings, data, codes, laws, ordinances, regulations, bylaws, and the like, applicable to the work must be resolved to the satisfaction of the Geotechnical Engineer. District shall, in writing, notify the Geotechnical Engineer or his field superintendent of any conflict. The Geotechnical Engineer shall not work on the affected item or items until the conflict has been resolved.

**7. Warranty**

The District recognizes the inherent risk connected with construction. In performing their professional services, the Geotechnical Engineer will use the degree of care and skill ordinarily exercised under similar circumstances, by reputable members of their profession practicing in the same or similar localities.

**8. Ownership of Documents**

All reports, field exploration logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by the Geotechnical Engineer, as instruments of service, shall remain the property of the Geotechnical Engineer.

**9. Liens**

Geotechnical Engineer shall at all times indemnify and save District harmless against all liability for claims and liens for labor performed or materials used or to be furnished to be used on the job in connection with Geotechnical Engineer's performance of this contract, including any costs and expenses for attorney's fees and all incidental or consequential damages resulting to District from such claims or liens. Further, in case suit on such claim is brought, Geotechnical Engineer shall defend said suit at its own cost and expense, and will pay and satisfy any such lien or judgment as may be established by the decision of the court in said suit. Geotechnical Engineer agrees within ten days after written demand to cause the effect of any suit or lien to be removed from the premises, and in the event Geotechnical Engineer shall fail to do so, District is authorized to use whatever means in its discretion it may deem appropriate to cause said lien or suit to be removed or dismissed and the cost

thereof, together with reasonable attorney's fees, shall be immediately due and payable to District by Geotechnical Engineer. It is understood and agreed that the full and faithful performance of this agreement on the part of Geotechnical Engineer (including the payment of any obligations due from Geotechnical Engineer to District, and any amounts due to labor or material men furnishing labor or materials for said work) is a condition precedent to Geotechnical Engineer's right to receive payment for the work performed, and any monies paid by District to Geotechnical Engineer under the terms of this agreement shall be impressed with the trust in favor of those furnishing labor and/or material to Geotechnical Engineer on the work herein described.

**10. Assignment of Contract**

Geotechnical Engineer shall not, without notifying District, assign, transfer, nor sublet any portion or part of the work required by this agreement nor assign any payments hereunder to others. District may assign or transfer the whole or part of this agreement, and its rights hereunder, to any corporation, individual, or partnership. Geotechnical Engineer shall be responsible to District for the performance of engineers, subcontractors, and consultants who render services on District projects.

This contract contains all of the agreements of the parties and there are no other agreements, oral or written, between the District and the Geotechnical Engineer.

I have read and understand the above and hereby authorize the Geotechnical Engineer to proceed with the work in terms of this contract. I further acknowledge by my signature that I have power to act for District and to authorize this work.

**REDLANDS UNIFIED SCHOOL DISTRICT**

Date: November 13, 2024

By: \_\_\_\_\_  
Authorized Signature : Jason Hill  
Deputy Superintendent, Business Services

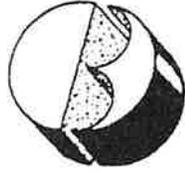
Date: \_\_\_\_\_

By: N/A  
Authorized Signature

**JOHN R. BYERLY, INC.**

Date: October 28, 2024

By:   
John R. Byerly, President



# **John R. Byerly**

## **I N C O R P O R A T E D**

October 28, 2024

Redlands Unified School District  
20 West Lugonia Avenue  
Redlands, California 92374

File No.: C-1012  
I.D. No.: 102417

Attention: Ken S. Morse, Coordinator, Operations & Facilities Planning

Project: Redlands Foothill Groves, Warehouse Conversion, 304 9th Street, Redlands, California

Subject: Proposal for Geotechnical Investigation

Reference: Site and Floor Plans, PCH Architects, September 9, 2024

Ladies and Gentlemen:

We were pleased to be contacted regarding a geotechnical investigation for the subject project. Our understanding of the project scope is based on discussions with the project design team and our review of the referenced site and floor plans. The existing Redlands Foothill Groves site is located on the east side of 9<sup>th</sup> Street, north of East Central Avenue, in the city of Redlands. We understand that it is proposed to modernize the existing cold storage building and to convert the existing packing house building into a mixed usage facility. Other improvements will be made to the site for access compliance. We understand that the packinghouse conversion will include a seismic retrofit of the structure, but that the retrofit will utilize the existing building footings, and additional footings are not proposed at this time.

We understand that needed at this time are seismic design parameters as required by the 2022 edition of the California Building Code and the 2022 edition of the California Existing Building Code. Also needed are recommendations for asphalt concrete and portland cement concrete pavement design. An assessment of environmental concerns is not included in the scope of our proposed services.

We propose to explore the soils underlying the proposed improvements by means of three test borings excavated with a truck-mounted flight-auger. One of the borings would be drilled to a depth of up to 50 feet and the other two borings would be drilled to a depth of 20 feet. Standard penetration tests would be performed in the deep boring to determine the seismic site class. The soils encountered in the explorations would be examined and visually classified by one of our field engineers. Relatively undisturbed samples would be obtained at selected levels within the test borings and, together with bulk samples of typical soil types, returned to our laboratory for testing and evaluation. The borings would be backfilled with the cuttings.

### **GEOTECHNICAL ENGINEERS • TESTING AND INSPECTION**

2257 South Lilac Ave., Bloomington, CA 92316-2907  
Bloomington(909) 877-1324 Riverside (909) 783-1910 Fax (909) 877-5210

Included in our laboratory testing would be moisture/density determinations on all undisturbed samples. Optimum moisture content/maximum dry density relationships would be established for typical soil types so that the relative compaction of the subsoils could be computed. Consolidation and expansion index testing may be conducted on selected samples to determine their compressibility characteristics and expansion potential, respectively. Direct shear tests may be performed on soil samples to determine their strength parameters. Samples of anticipated subgrade soils would be tested for sand equivalent, gradation, and "R" value for pavement design purposes. Representative samples would also be tested for corrosion potential and the need for sulfate-resistant concrete. Based on our field and laboratory test data, an engineering report would be prepared providing recommendations as outlined above.

Our fees are predicated on time consumption computed at the rates shown on the enclosed Schedule of Fees. Our fees accommodate prevailing wage rates required by the State of California. An itemization of the anticipated fees is presented below.

**FIELD EXPLORATION**

<b>Service</b>	<b>Quantity</b>	<b>Unit Rate/Hr.</b>	<b>Total</b>
Drill rig	5 hours	510.00	2,550.00
Drill rig (mob/demob)	---	600.00	600.00
Field engineer	6 hours	135.00	810.00
Boring stakeout	2 hours	135.00	270.00
<b>Total:</b>			<b>\$4,230.00</b>

**LABORATORY TESTING**

<b>Service</b>	<b>Quantity</b>	<b>Unit Rate/Hr.</b>	<b>Total</b>
Moisture/density tests	4.5 hours	90.00	405.00
Maximum density determinations	4 tests	200.00	800.00
Consolidation tests	2 tests	210.00	410.00
Expansion Index	2 tests	175.00	350.00
Direct shear	2 tests	270.00	540.00
Gradation analysis	4 tests	150.00	600.00
Sand equivalent	1 test	130.00	130.00
"R" value	1 test	290.00	290.00

<b>Service</b>	<b>Quantity</b>	<b>Unit Rate/Hr.</b>	<b>Total</b>
Corrosion and sulfate analyses	2 tests	270.00	540.00
<b>Total:</b>			<b>\$4,065.00</b>

**ENGINEERING**

<b>Service</b>	<b>Quantity</b>	<b>Unit Rate/Hr.</b>	<b>Total</b>
Drafting	1 hour	100.00	100.00
Staff engineer	8 hours	135.00	1,080.00
Project engineer	2 hours	180.00	360.00
Principal engineer	1 hour	205.00	205.00
<b>Total:</b>			<b>\$1,745.00</b>

**Grand Total: \$10,040.00**

The estimated fee presented above assumes that the field portion of the soils investigation would be performed on a weekday. We would consider \$10,040 a maximum figure for the soils investigation not to be exceeded without the client's express permission. This cost estimate is valid for 90 days subsequent to the date of this proposal.

Prior to conducting the field investigation, a meeting would be coordinated with Underground Service Alert and a representative of the district to review our boring locations with respect to existing utility lines. We cannot proceed with our field exploration until a representative of the district has verified that our boring locations are clear of buried utilities. Our firm would not be responsible for damage to underground utilities not identified by Underground Service Alert or the district. Our proposed services do not include the location of existing utilities. The cost estimate includes a trip to the site to stake or mark our test boring locations and to coordinate the boring locations with a representative of the district and a second trip to perform the exploration operations. It is assumed access would be provided for the field equipment through all gates on the site.

Enclosed you will find our standard Agreement. If the scope of services and fee estimate are satisfactory, please sign the Agreement and return that copy to this office. If preferable, you may forward your purchase order or consultant retention agreement for our signature.

We appreciate the opportunity to provide you with this proposal. Should there be questions, please feel free to contact this office.

Respectfully submitted,

**JOHN R. BYERLY, INC.**



Michael E. Case, Jr., P.E.  
Supervisor of Field Inspections and Testing  
R.E. No. C95092, Exp. 9/30/25



John R. Byerly, P.E.  
President  
R.E. No. GE179, Exp. 6/30/25

JRB:MEC:st

Enclosures: Schedule of Fees  
Agreement



**John R. Byerly**  
I N C O R P O R A T E D

**SCHEDULE OF FEES**

**April 12, 2024**



# **John R. Byerly**

**I N C O R P O R A T E D**

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SCHEDULE OF FEES FOR GEOTECHNICAL SERVICES

PROFESSIONAL PERSONNEL

		<u>Regular Rate</u>	<u>Prevailing Wage Rate</u>
Principal Engineer.....	Per Hr. ....	\$ 205.00	
Project Engineer .....	Per Hr. ....	180.00	
Project Geologist.....	Per Hr. ....	180.00	
Staff Engineer .....	Per Hr. ....	135.00	
Staff Geologist .....	Per Hr. ....	135.00	
Expert Witness Preparation .....	Per Hr. ....	250.00	
Expert Witness Testimony (at trial or deposition).....	Per Hr. ....	300.00	

FIELD PERSONNEL

Field Technician (including density testing).....	Per Hr. ....	100.00	132.00
Supervising Field Technician .....	Per Hr. ....	135.00	
Field Engineer.....	Per Hr. ....	135.00	
Field Exploration Equipment .....		Local Prevailing Rate + 20%	
Subsistence .....		Quotation	

GEOTECHNICAL LABORATORY TESTING

Laboratory Technician .....	Per Hr. ....	\$ 90.00
Supervising Laboratory Technician .....	Per Hr. ....	105.00
<b>Atterberg Limits</b>		
Liquid Limit.....	Each .....	85.00
Plastic Limit.....	Each .....	95.00
Shrinkage Limit .....	Each .....	110.00
Plasticity Index .....	Each .....	180.00
<b>California Bearing Ratio - CBR</b>		
(at specified moisture content - does not include optimum moisture content and maximum dry density determination).....	Each .....	475.00

<u>Geotechnical Laboratory Testing (continued)</u>		<u>Regular Rate</u>	<u>Prevailing Wage Rate</u>
Consolidation Testing (without time rate).....	Each .....	\$ 210.00	
Add one time rate.....	Each .....	100.00	
<b>Corrosion Tests</b>			
pH .....	Each .....	50.00	
Minimum Resistivity .....	Each .....	50.00	
Sulfate.....	Each .....	50.00	
Chloride.....	Each .....	50.00	
Redox Potential.....	Each .....	50.00	
Sulfide .....	Each .....	50.00	
Corrosion Series .....	Each .....	270.00	
Direct Shear Tests (3-point).....	Each .....	270.00	
Direct Shear Tests - Residual (per point).....	Point .....	150.00	
Expansion Index .....	Each .....	175.00	
Expansion Study (3 points remolded) (maximum density not included).....	Each .....	350.00	
<b>Grain Size Analysis (Gradation)</b>			
Sieve Analysis (including wash passing No. 200 sieve).....	Each .....	150.00	
Sieve Analysis Plus Hydrometer .....	Each .....	275.00	
% Passing No. 200 Sieve.....	Each .....	75.00	
<b>Optimum Moisture and Maximum Dry Density</b>			
Lab Max – (4-inch mold) .....	Each .....	200.00	
Lab Max – (6-inch mold) .....	Each .....	220.00	
Lab Max – California 216 Method .....	Each .....	220.00	
Organic Content.....	Each .....	65.00	
Moisture Content.....	Each .....	35.00	
Moisture/Density Determination – Tube Sample.....	Each .....	50.00	
<b>“R” Value</b>			
Untreated Material.....	Each .....	290.00	
Lime or Cement Treated Material.....	Each .....	315.00	
Sand Equivalent (average of 4).....	Each .....	130.00	

**SPECIAL INSPECTION SERVICES**

**INSPECTION FEES**

		<b>Regular Rate</b>	<b>Prevailing Wage Rate</b>
Aggregate, Plant Sampling .....	Hour .....	\$ 100.00	\$ 132.00
Asphalt, Paving .....	Hour .....	100.00	132.00
Asphalt, Batch Plant.....	Hour .....	100.00	132.00
Commercial Building (Wood Framing, ICC).....	Hour .....	100.00	132.00
Concrete, Batch Plant .....	Hour .....	100.00	-
Concrete, Placing.....	Hour .....	100.00	132.00
Concrete, Placing Pre-Stress.....	Hour .....	100.00	132.00
Concrete, Pre and Post-Tensioning .....	Hour .....	100.00	132.00
Drilled Piers or Piles.....	Hour .....	100.00	132.00
Driven Piles.....	Hour .....	100.00	132.00
Field Welding, Structural Steel (AWS-CWI, AWS-ACWI and ICC) .....	Hour .....	105.00	132.00
Fireproofing.....	Hour .....	100.00	132.00
Ground Rod .....	Hour .....	110.00	147.00
Gunite, Placing.....	Hour .....	100.00	132.00
Hi-Tensile Bolting.....	Hour .....	100.00	132.00
Magnetic Particle Testing .....	Hour .....	130.00	165.00
Masonry Placing .....	Hour .....	100.00	132.00
Pachometer Meter Reinforcing Steel Locator .....	Hour .....	125.00	155.00
Pull Testing of Anchor Bolts/Dowels .....	Hour .....	125.00	155.00
Reinforcing Steel, Placing .....	Hour .....	100.00	132.00
Schmidt Concrete Hammer.....	Hour .....	125.00	155.00
Shop Welding Fabrication (AWS-CWI, AWS-ACWI and ICC).....	Hour .....	105.00	-
Skidmore Testing .....	Hour .....	150.00	205.00
Special Inspector .....	Hour .....	100.00	132.00
Tag, Identify, and Sample Rebar or Structural Steel.....	Hour .....	105.00	132.00
Torque Testing of Bolts and Anchors.....	Hour .....	125.00	155.00
Ultrasonic Testing .....	Hour .....	130.00	165.00
Witness Installation of Bolts and Anchors .....	Hour .....	105.00	132.00

**MATERIALS TESTING SERVICES**

**AGGREGATE TEST**

Absorption.....	Each .....	\$ 50.00
Clay Lumps and Friable Particles .....	Each .....	80.00
Cleanness Value (Fine or Coarse).....	Each .....	130.00
Decantation (No. 200).....	Each .....	40.00
Deleterious Substances Determination.....	Each .....	120.00
Durability Test (Fine or Coarse) *.....	Each .....	170.00
Fineness Modulus (Including Sieve Analysis).....	Each .....	135.00
Flat and Elongated Pieces (Per Size Fraction) .....	Each .....	110.00
Fractured Faces (Per Size Fraction) .....	Each .....	110.00
Light Weight Particles .....	Each .....	140.00

**Aggregate Test (continued)**

		<b>Regular Rate</b>	<b>Prevailing Wage Rate</b>
Los Angeles Rattler.....	Each .....	\$ 245.00	
Moisture.....	Each .....	35.00	
Organic Impurities.....	Each .....	60.00	
Percent Clay in Sands by Hydrometer.....	Each .....	195.00	
Percent Passing No. 200 Sieve.....	Each .....	60.00	
Percent Shale.....	Each .....	105.00	
Permeability of Granular Soil (ASTM D 2434).....	Each .....	245.00	
Potential Reactivity (Chemical Method).....	Each .....	Quotation	
Sand Equivalent.....	Each .....	130.00	
Sieve Analysis (Fine or Coarse - Processed).....	Each .....	85.00	
Sieve Analysis (Pit Run).....	Each .....	135.00	
Soft Particles.....	Each .....	100.00	
Soundness of Sodium Sulfate (Fine or Coarse).....	Each .....	345.00	
Specific Gravity (Fine or Coarse).....	Each .....	85.00	
Voids.....	Each .....	75.00	
Weight Per Cubic Foot.....	Each .....	85.00	
Deposit Evaluation.....	Each .....	Quotation	

\* Lightweight aggregate also requires Specific Gravity and Absorption Testing

**ASPHALT PAVING MATERIALS**

Asphalt Paving Inspection.....	Hour .....	\$ 100.00	\$ 132.00
Plant Control during Operations.....	Hour .....	100.00	-
Coring with Diamond Bit (Includes Bit Charge) (Contractor to provide access)	Hour .....	150.00	175.00
Density of Cores.....	Each .....	50.00	
Film Stripping.....	Each .....	85.00	
Los Angeles Rattler.....	Each .....	245.00	
Laboratory Standard Density (Marshall).....	Each .....	205.00	
Laboratory Standard Density (Hveem).....	Each .....	205.00	
Moisture Vapor Susceptibility.....		Quotation	
Mix Design-Asphalt.....	Each .....	200.00	
Mix Design Studies (Marshall or Hveem).....	Each .....	500.00	
Pavement Evaluation.....		Quotation	
Plant Sample - % Asphalt, Ignition Oven.....	Each .....	150.00	
Plant Sample - % Asphalt and Gradation, Ignition Oven.....	Each .....	245.00	
Ignition Oven Aggregate Correction.....	Each .....	195.00	
Sand Equivalent.....	Each .....	130.00	
Sieve Analysis.....	Each .....	85.00	
Soundness Test (Sodium Sulfate) (Fine or Coarse).....	Each .....	335.00	
Stability Test - "S" Value (Hveem Method).....	Each .....	255.00	
Stability Test (Marshall Method - Set of 3).....	Each .....	255.00	
Theoretical Maximum Specific Gravity (Rice).....	Each .....	155.00	
Thickness of Pavement.....	Each .....	20.00	

**CONCRETE**

		<b>Regular Rate</b>	<b>Prevailing Wage Rate</b>
Absorption – Concrete Pipe or Tile (ASTM C497) .....	Each .....	\$ 35.00	
Batch Plant Inspection .....	Hour .....	100.00	-
Concrete Placing Inspection .....	Hour .....	100.00	132.00
Coring (Includes Bit Charge).....	Hour .....	150.00	175.00
Coring Assistant (Required for Work from Ladder or Scaffolding) .....	Hour .....	100.00	132.00
Field Technician.....	Hour .....	100.00	132.00
Molding Cylinders and Beams .....	Hour .....	100.00	132.00
Pachometer Reinforcing Steel Locator .....	Hour .....	125.00	155.00
Pick up Cylinders .....	Hour .....	90.00	-
Pre-Stress and Post-Tensioning Inspection.....	Hour .....	100.00	132.00
Schmidt (Rebound) Hammer .....	Hour .....	125.00	155.00
Compression Test – Concrete Cylinders.....	Each .....	35.00	
Compression Test – Mortar or Grout Cylinders.....	Each .....	35.00	
Hold Cylinders (Not Tested).....	Each .....	20.00	
Compression Test – Concrete or Shotcrete Cores			
8" Maximum Diameter.....	Each .....	45.00	
Compression Test – Shotcrete - Cylinders.....	Each .....	40.00	
Compression Test – Gypsum Cylinders.....	Each .....	35.00	
Gypsum Cylinders – Dried to Constant Weight.....	Each .....	30.00	
Mix Design-Concrete (Exclusive of Aggregate Tests)	Each .....	200.00	
Review of Concrete Mix Design .....	Each .....	150.00	
Modulus of Elasticity – 6"x12" Cylinders .....	Each .....	130.00	
Modulus of Rupture (Flexure) – 6"x6" Beams .....	Each .....	85.00	
Moisture Vapor Kit .....	Each .....	35.00	
Saw-Cutting Samples for Testing (If Required).....	Each .....	10.00	
Shrinkage Test (Set of 3) .....	Each .....	455.00	
Slump Cone (Refundable upon Return of Cone) .....	Deposit .....	60.00	
Splitting Tensile Test.....	Each .....	55.00	
Trial Batch in Laboratory			
(Including Air Content, Unit Weight Water Demand, Slump and Strength Determinations (1 at 7 days and 2 at 28 days).....	Each .....	455.00	
Unit Weight of Cylinders.....	Each .....	30.00	
Saturday, Sunday, or Holiday Laboratory Test Surcharge	Each	50.00	

**FIREPROOFING TESTS**

Compression.....	Each .....	\$ 50.00	
Cohesion/Adhesion.....	Each .....	50.00	
Density.....	Each .....	45.00	
Dry Film Fireproofing Testing.....	Hour .....	130.00	\$ 160.00
Fireproofing Inspection .....	Hour .....	100.00	132.00

CONCRETE MASONRY UNIT (CMU) AND BRICK

		<b>Regular Rate</b>	<b>Prevailing Wage Rate</b>
Coring (Includes Bit Charge).....	Hour .....	\$ 150.00	\$ 175.00
Coring Assistant (Required for Work from Ladder or Scaffolding) .....	Hour .....	100.00	132.00
In-Place Shear Testing .....	Hour .....	100.00	132.00
Masonry Placing Inspection .....	Hour .....	100.00	132.00
Molding Grout and Mortar .....	Hour .....	100.00	132.00
Pickup Grout and Mortar Samples .....	Hour .....	90.00	
Sample Masonry Units .....	Hour .....	100.00	
CMU, Compression.....	Each .....	50.00	
CMU, 24-Hour Absorption.....	Each .....	45.00	
CMU, Moisture Content.....	Each .....	45.00	
CMU, Density (Unit Weight) .....	Each .....	35.00	
CMU, Lineal Shrinkage (Rapid Method) .....	Each .....	95.00	
CMU, Dimensions .....	Each .....	25.00	
CMU, C140 Complete Testing .....	Each .....	655.00	
Brick, Compression.....	Each .....	40.00	
Brick, 24-Hour Absorption.....	Each .....	45.00	
Brick, 5-Hour Absorption.....	Each .....	45.00	
Brick, Modulus of Rupture.....	Each .....	40.00	
Grouted Masonry Prism Compression .....	Each .....	180.00	
Hydraulic Conductivity (Permeability) (ASTM D 5084) .....	Each .....	355.00	
Mortar and Grout Specimens, Compression.....	Each .....	35.00	
Masonry Cores, Compression 8" Maximum Diameter .....	Each .....	55.00	
Masonry Cores, Shear 8" Maximum Diameter.....	Each .....	75.00	
Tensile Test – CMA Method.....	Each .....	165.00	
Saw-Cutting Samples for Testing (If Required).....	Each .....	15.00	
Unit Weight of Units .....	Each .....	30.00	
Mortar Cement Permeable Voids (ASTM C642) .....	Each .....	80.00	

REINFORCING AND STRUCTURAL STEEL

Anchor Bolts.....		Quotation	
Bolt – Hardness Only .....	Each .....	\$ 40.00	
Bolt – Wedge Tensile (Up to 100,000 lbf) .....	Each .....	100.00	
High-Strength Bolting Inspection.....	Hour .....	100.00	132.00
Field Welding Inspection (AWS-CWI, AWS-ACWI, and ICC).....	Hour .....	105.00	132.00
Magnetic Particle Testing.....	Hour .....	135.00	165.00
Nut – Hardness (Proof Load Under 100,000 lbf).....	Each .....	60.00	
Nut – Hardness (Proof Load Between 100,000 – 150,000 lbf).....	Each .....	75.00	
Shop Welding (AWS-CWI, AWS-ACWI, and ICC) .....	Hour .....	105.00	
Skidmore Testing .....	Hour .....	150.00	205.00
Tag, Identify, and Sample Reinforcing Steel.....	Hour .....	105.00	132.00
Tag and Identify Structural Steel.....	Hour .....	105.00	132.00

**Reinforcing and Structural Steel (continued)**

		<b>Regular Rate</b>	<b>Prevailing Wage Rate</b>
Tension and Elongation (Reinforcing Steel)			
No. 11 or Smaller .....	Each .....	65.00	
No. 14 .....	Each .....	125.00	
No. 18 (Proof Test).....	Each .....	125.00	
Ultrasonic Testing .....	Hour .....	\$ 135.00	\$ 165.00
Washer - Hardness .....	Each .....	45.00	
Welder's Qualification Test – AWS and ASME Procedures .....		Quotation	
Bend Test (Reinforcing Steel) .....	Each .....	65.00	
Welded Wire Mesh Bend Test .....	Each .....	65.00	
Welded Wire Mesh Shear Test .....	Each .....	65.00	
Tension (Structural Steel) .....	Each .....	65.00	
Bend Test (Structural Steel).....	Each .....	65.00	
Torque Testing of Bolts and Anchors.....	Hour .....	125.00	152.00
Witness Installation of Bolts and Anchors .....	Hour .....	100.00	132.00
Machining Coupons for Test (Tensile or Bend).....		Quotation	

**ROOF TILE**

Sample Roof Tile .....	Hour .....	\$ 85.00	
Strength .....	Each .....	55.00	
Absorption.....	Each .....	55.00	
Permeability .....	Each .....	75.00	

**TESTING MACHINE - 400,000 LB. UNIVERSAL**

Machine with Operator .....	Hour .....	\$ 300.00	
Additional Technician .....	Hour .....	95.00	

**MISCELLANEOUS**

Expert Witness Testimony .....	Hour .....	\$ 300.00	
Expert Witness Preparation .....	Hour .....	250.00	
Modular Construction, Inspection and Certification .....	Hour .....	100.00	\$ 132.00
Roof Tests and Inspection .....	Hour .....	100.00	132.00
Structural Failure Investigation.....		Quotation	
Verification of Fabricator's Quality Control Capabilities .....		Quotation	
Welder Qualification Test.....		Quotation	
Glue Laminated Structural Lumber .....		Quotation	

**ALL REPORTS ARE REVIEWED BY REGISTERED CIVIL ENGINEERS APPROVED BY THE STATE OF CALIFORNIA, DIVISION OF STATE ARCHITECTURE**

CONDITIONS AND WORKING HOURS

<u>Minimum Charges</u>	There will be no minimum charges for inspection services. Other than late cancellation fees, client will be charged only for time spent on-site plus applicable travel time
<u>Travel Time</u>	Travel time from Bloomington to site of work and return will be charged at applicable hourly rates.
<u>Clerical Time</u>	Clerical time for report preparation is included in the hourly and unit rates for inspectors and testing. There will be no additional charge for clerical preparation of reports.
<u>Regular Time</u>	First 8 hours, Monday through Friday between 6 a.m. and 5 p.m.
<u>Time and One-Half</u>	First 12 hours on Saturday Monday through Friday after first 8 hours through 12 hours of shift or for hours worked between 5 p.m. and 6 a.m. A surcharge of \$100 will apply to all laboratory tests required to be performed on a Saturday.
<u>Double Time</u>	All day Sunday and after first 12 hours Monday through Saturday. Holidays: New Year's, President's Day, Memorial, Independence, Labor, Veterans, Thanksgiving, Day after Thanksgiving, Christmas Day. When a holiday falls on a Saturday, holiday rates will also apply to the Friday preceding the holiday. When a holiday falls on a Sunday, holiday rates will also apply to the Monday following the holiday. A surcharge of \$50 will apply to all laboratory tests required to be performed on a Sunday or holiday.
<u>Prevailing Wage Projects</u>	Separate rates are provided for those projects where SB 1999 prevailing wage requirements are applicable. Our prevailing wage rates will increase \$5 per hour on July 1, 2024 consistent with predetermined increases mandated by the California Department of Industrial Relations. On prevailing wage projects, holiday rates will also apply to the first Saturday, follow the first Friday in the months of June and December each year.
<u>Parking</u>	When not furnished for Inspector, parking will be charged as paid by the Inspector.
<u>Agency Approval of Special Inspectors</u>	Agency (e.g. Building and Safety Department) fees for approval or registration of special inspectors for a specific job will be charged to the client with no mark-up. Inspector's time to submit qualifications for agency approval will be charged at straight time rate.
<u>Subsistence</u>	On remote jobs, subsistence, when not furnished for Inspector, will be charged by Quotation.
<u>Completion</u>	Inspector will remain on job until discharged by competent authority.
<u>Cancellation</u>	No charge if made before 3:00 p.m. of the preceding day. If cancellation is received after 3:00 p.m. of the previous day, a late cancellation fee equivalent to 2 hours of requested inspection service may be charged.
<u>Terms of Payment</u>	Fees charged are for professional and technical services and are due on presentation. If not paid within 30 days from date of invoice, they are considered past due and a finance charge of 1-1/2% per month will be added to the unpaid balance (APR 18%). Any invoice under \$100.00 will be C.O.D.

**Terms of Payment**  
**Continued**

All invoice errors or necessary corrections shall be brought to the attention of the company within fifteen (15) days of receipt of invoice; thereafter customer acknowledges invoices are correct and valid. John R. Byerly, Inc. reserves the right to terminate its services to a customer without notice if all invoices are not current. Upon such termination of services, the entire amount accrued for all services performed shall immediately become due and payable. Customer waives any and all claims against John R. Byerly, Inc., its subsidiaries, affiliates, servants and agents, for termination of work on account of these terms.

Should it be necessary to refer a past-due account to an attorney, to file suit for collection, or to file suit to collect mechanics lien, customer agrees to pay all reasonable expenses and costs incurred thereby, including reasonable attorney fees and costs. Jurisdiction and venue shall be in San Bernardino County, State of California.

**Limitation of Liability**

It is agreed that Client will limit any and all liability, claims for damages, costs of defense, or expenses to be levied against the Geotechnical Engineer on account of any design defects, errors or omissions of professional negligence to a sum not to exceed \$75,000.00 or the amount of their fee, whichever is greater. Client agrees to notify any contractors or subcontractors who may perform work in connection with any design, reports or studies prepared by Geotechnical Engineer of such limitation of liability for design, defects, errors, omissions or professional negligence and requires as a condition precedent to their performing the work a like limitation of liability on their part as against the Geotechnical Engineer. In the event Client fails to obtain a like limitation of liability provision as to design defects, errors, omissions or professional negligence, any liability of the Client and the Geotechnical Engineer to such contracts or subcontracts arising out of an alleged defect, error or omission or professional negligence shall be allocated between the Client and the Geotechnical Engineer in such a manner that the aggregate liability for damages for such design defects to all parties, including the Client, shall not exceed \$75,000.00 or the amount of the Geotechnical Engineer's fee, whichever is greater.

**REPORTS**

Minimum charge for all special testing .....	\$ 125.00
Minimum charge for all special research .....	50.00
Added charge for reproduction and mailing services for the report covering the research .....	.20 per sheet
Blueprints or other outside services .....	Cost + 20%

Principal engineer time will be charged for preparation of each report.