



**Administrative Services**  
**Purchasing Division**

February 14, 2006

CTL/Thompson, Inc.  
Attn: Ronald M. McOmber, P.E.  
375 E. Horsetooth Rd.  
Fort Collins, CO 80525

Re: Renewal, P878 Geotechnical Testing Services

Dear Mr. McOmber:

The City of Fort Collins wishes to extend the agreement term for the above captioned proposal per the existing terms and conditions, including increases on the attached Exhibit B Fee Schedule and Exhibit C Fee Schedule Additional Services. The term will be extended for one (1) additional year, March 31, 2006 through March 30, 2007.

If the renewal is acceptable to your firm, please sign this letter in the space provided and return it to the City of Fort Collins, Purchasing Division, P. O. Box 580, Fort Collins, CO 85022, within the next fifteen days.

If this extension is not agreeable with your firm, we ask that you send us a written notice stating that you do not wish to renew the contract and state the reason for non-renewal.

Please contact John D. Stephen CPPO, CPPB, Senior Buyer, at (970) 221-6777 if you have questions.

Sincerely,

James B. O'Neill II, CPPO, FNIGP  
Director of Purchasing and Risk Management

Signature **ERIC D. BERNHARDT, P.E.**  
**MANAGER OF FIELD SERVICES**

2/21/06  
Date

(Please indicate your desire to renew P878 by signing this letter and returning it to Purchasing Division within the next fifteen days.)

cc:

**RECEIVED**  
FEB 21 2006  
Approved By \_\_\_\_\_  
Job # \_\_\_\_\_  
City of Fort Collins

**EXHIBIT B  
FEE SCHEDULE**

Revised

8-Feb-06

Note: 2% increase applied to 2005 rates

| Item #                 | Description  | Unit         | 2005 Price | 2006 Price |
|------------------------|--|--------------|------------|------------|
| <b><u>SOILS</u></b>    |  |              |            |            |
| 101                    | Atterberg Limits; Classification Liquid Limit, Plastic Limit, Plasticity Index   | Ea. Test     | \$55.99    | \$57.11    |
| 102                    | Hveem Stabilometer - "R" Value   | Ea.          | \$305.40   | \$311.51   |
| 103                    | Proctor - Standard   | Ea.          | \$76.35    | \$77.88    |
| 104                    | Proctor - Modified   | Ea.          | \$86.53    | \$88.26    |
| 105                    | Proctor - One Point Check  | Ea.          | \$30.54    | \$31.15    |
| 106                    | PH Determination   | Ea.          | \$30.54    | \$31.15    |
| 107                    | Nuclear Field Density Test 3 or More Tests Per Trip  | Ea. Test     | \$15.27    | \$15.58    |
| 108                    | Nuclear Field Density Test, Less Then 3 Tests Per Trip   | Ea. Test     | \$20.36    | \$20.77    |
| 109                    | Sieve Analysis - (Plus #4 Material)  | Ea. Test     | \$35.63    | \$36.34    |
| 111                    | Sieve Analysis - (#4 to minus 200 Material)  |              | \$30.54    | \$31.15    |
| 112                    | Organic Content for Top Soil   | Ea. Test     | \$30.54    | \$31.15    |
| 113                    | Hydrometer Analysis  | Ea. Test     | \$61.08    | \$62.30    |
| <b><u>CONCRETE</u></b> |  |              |            |            |
| 201                    | Concrete Cylinders (Including sampling in Field, Slump, Unit Weight, Yield, Air Content, Temperature, Casting, Curing Testing and Reporting) | Set of 4     | \$142.52   | \$145.37   |
| 202                    | Additional Cylinder  | Per Cylinder | \$9.16     | \$9.35     |
| 203                    | Compression Test (Cap, Cure and Break FOB Lab)   | Ea. Test     | \$12.22    | \$12.46    |
| 204                    | Concrete Beams (Including Sampling)  | Set of 3     | \$167.97   | \$171.33   |
| 205                    | Additional Beam  | Per Beam     | \$32.58    | \$33.23    |
| 206                    | Sand Equivalent (CP-30)  | Ea. Test     | \$81.44    | \$83.07    |
| <b><u>ASPHALT</u></b>  |  |              |            |            |
| 301                    | Sieve Analysis - (Plus #4 Material)  | Ea. Test     | \$35.63    | \$36.34    |
| 302                    | Sieve Analysis - (Minus #4 Material)   | Ea. Test     | \$30.54    | \$31.15    |
| 303                    | Specific Gravity and Absorption (Plus #4 Material)   | Ea. Test     | \$35.63    | \$36.34    |
| 304                    | Specific Gravity and Absorption (Minus #4 Material)  | Ea. Test     | \$35.63    | \$36.34    |
| 305                    | L.A. Abrasion Test   | Ea. Test     | \$96.71    | \$98.64    |
| 306                    | Fractured Face Determination   | Ea. Test     | \$117.07   | \$119.41   |
| 307                    | Flat and Elongated Particles   | Ea. Test     | \$117.07   | \$119.41   |
| 308                    | Maximum Theoretical Specific Gravity for Air Voids (Rice)  | Ea. Test     | \$81.44    | \$83.07    |
| 309                    | Lottman (TSR) Test   | Ea. Test     | \$346.12   | \$353.04   |

**EXHIBIT B  
FEE SCHEDULE**

Revised

8-Feb-06

Note: 2% increase applied to 2005 rates

| Item #                            | Description   | Unit            | 2005 Price | 2006 Price |
|-----------------------------------|---|-----------------|------------|------------|
| <b><u>ASPHALT (Continued)</u></b> |   |                 |            |            |
| 310                               | Mix Design Bulk Unit Weight and Hveem Stability Verification  | Ea. Test        | \$203.60   | \$207.67   |
| 311                               | Sand Equivalent   | Ea. Test        | \$81.44    | \$83.07    |
| 312                               | Determination of Bitumen Content by Extraction, Gradation Analysis of Extracted Aggregate (To be sampled by Consultant) | Ea. Sample      | \$152.70   | \$155.75   |
| 313                               | Determination of Bitumen Content by Extraction (To be Sampled by Consultant)  |                 | \$81.44    | \$83.07    |
| 314                               | Determination of Bitumen Content by Nuclear Gauge (To be Sampled by Consultant)   | Ea. Sample      | \$81.44    | \$83.07    |
| 315                               | Calibrate Nuclear Gauge (For a New Asphalt Mix)   | Ea. Calibration | \$305.40   | \$311.51   |
| 316                               | Nuclear Field Density Tests (3 or More Tests per Trip)  | Ea. Test        | \$15.27    | \$15.58    |
| 317                               | Nuclear Field Density Tests (Less Than 3 Tests per Trip)  | Ea. Test        | \$20.36    | \$20.77    |
| 18                                | Asphalt Plant Inspection  | Per Hour        | \$50.90    | \$51.92    |
| 319                               | Core Field Samples  | Per Hour        | \$35.63    | \$36.34    |
|                                   |   | Per Inch        |            |            |
| <b><u>HOURLY RATES</u></b>        |   |                 |            |            |
| 401                               | Principal Engineer and/or Geologist   | Per Hour        | \$101.80   | \$103.84   |
| 402                               | Geotechnical Engineer/ Department Manager   | Per Hour        | \$71.26    | \$72.69    |
| 403                               | Senior Field Technician   | Per Hour        | \$55.99    | \$57.11    |
| 404                               | Field Technician  | Per Hour        | \$45.81    | \$46.73    |

**EXHIBIT C  
FEE SCHEDULE –  
ADDITIONAL SERVICES**

Revised

8-Feb-06

Note: 2% increase applied to 2006 rates

**Field  
Investigation  
Services**

|  | <b>2005 Price</b> | <b>2006 Price</b> |
|--|-------------------|-------------------|
| Drilling and Sampling with a 4-inch Auger                          | \$127.25 /hour    | \$129.80 /hour    |
| Drilling and Sampling with Hollow Auger                            | \$152.70 /hour    | \$155.75 /hour    |
| Drilling and Sampling with Track-Mounted Rig Add                   | \$45.81 /hour     | \$46.73 /hour     |
| Drilling and Sampling with Rotary Drill                            |                   |                   |
| Shelby Tube Sample   | \$12.22 each      | \$12.46 each      |
| Drilling Rig Mobilization  |                   |                   |
| Fort Collins Area  | Hourly Rate       | Hourly Rate       |
| Outlying Areas   | \$1.93 /mile      | \$1.97 /mile      |
| Auto or Pickup Mileage (Out Of Town Mobilization)                  | \$0.51 /mile      | \$0.52 /mile      |
| Labor, Out-Of-Town Living Expenses, Travel Costs, Equipment Rental |                   |                   |

**Construction  
Observation and  
Testing Services**

|  |                  |                  |
|--|------------------|------------------|
| Drilled Pier Installation  | \$53.95 /hour    | \$55.03 /hour    |
| On Site Concrete Curing Service  | Quote on Request | Quote on Request |
| Maturity Meter Curing Method   | Quote on Request | Quote on Request |
| In Situ Concrete Pullout Tests   |                  |                  |
| Insert Installation & Pull Test  | \$79.40 /hour    | \$80.99 /hour    |
| Inserts  | \$25.45 each     | \$25.96 each     |
| Floor Flatness (F <sub>F</sub> and F <sub>L</sub> and/or 10 Foot Straightedge) | \$79.40 /hour    | \$80.99 /hour    |
| Reinforcement Placement Observation*   | \$53.95 /hour    | \$55.03 /hour    |
| Masonry Special Inspection*  | \$53.95 /hour    | \$55.03 /hour    |
| Weld & Bolt Inspection   | \$53.95 /hour    | \$55.03 /hour    |
| Post Tension:  |                  |                  |
| Strand Observation*  | \$53.95 /hour    | \$55.03 /hour    |
| Elongation Measurements*   | \$53.95 /hour    | \$55.03 /hour    |
| Sprayed on Fireproofing includes, when required:                               | \$53.95 /hour    | \$55.03 /hour    |
| Thickness Measurements, Density Per Sample, Bond Per Test                      |                  |                  |
| Report Review / Supervision for Construction Observation and Testing Services  | \$40.72 /report  | \$41.53 /report  |
| Overtime Charge Increase for work done on Saturday, Sunday and Holidays        | \$10.18 /hour    | \$10.38 /hour    |

**Specialized  
Testing and  
Services**

|   |                |                |
|---|----------------|----------------|
| <b>Geophysical Services</b>   |                |                |
| Pier Integrity, Profiles by Reflection or Refraction, Resistivity Surveys,<br>Dynamic Soil Properties   |                |                |
| Specialize Testing Equipment Charges (Portable Drill Rig, Pressuremeter, Resistivity,<br>Photoionization Device, Field Permeability, Down-Hole Moisture / Density |                |                |
| Benkelman Beam Testing  |                |                |
| Benkelman Beam and Operator   | \$112.97 /hour | \$115.23 /hour |
| Truck - 18 kip axle load  | \$154.05 /hour | \$157.13 /hour |
| Transverse Profilograph Testing   | \$92.43 /hour  | \$94.28 /hour  |
| NDT Equipment (Pulse-Velocity, Windsor Probe Test System, Pachometer, Half-Cell)  | \$25.68 /hour  | \$26.19 /hour  |

**Laboratory  
Services**

|  |          |          |
|--|----------|----------|
| Natural Moisture and Density                                 | \$5.09   | \$5.19   |
| Specific Gravity   | \$35.63  | \$36.34  |
| Unconfined Compression                                       | \$30.54  | \$31.15  |
| Unconfined Compression with Stress / Strain Curve            | \$40.72  | \$41.53  |
| One-Dimensional Swell Test                                   | \$35.63  | \$36.34  |
| One-Dimensional Swell Test with Load Back for Swell Pressure | \$45.81  | \$46.73  |
| Soil Suction, per point                                      | \$40.72  | \$41.53  |
| One-Dimensional Time Consolidation Test                      |          |          |
| Set up and Initial Load                                      | \$132.34 | \$134.99 |
| Additional Increments  | \$35.63  | \$36.34  |
| Triaxial or Direct Shear Tests, per point                    |          |          |
| Unconsolidated-Undrained                                     | \$101.80 | \$103.84 |
| Consolidated-Undrained                                       | \$335.94 | \$342.66 |
| Consolidated-Undrained with Pore Pressure                    | \$356.30 | \$363.43 |
| Relative Density (ASTM D 4253 and D 4254)                    | \$147.61 | \$150.56 |
| California Bearing Ratio (3 Points)                          | \$366.48 | \$373.81 |
| Permeability   |          |          |
| Flexible Membrane (Triaxial Cell)                            | \$366.48 | \$373.81 |

**EXHIBIT C  
FEE SCHEDULE --  
ADDITIONAL SERVICES**

Revised

8-Feb-06

Note: 2% increase applied to 2006 rates

|   |                  |                  |
|---|------------------|------------------|
| Remolded Sample (Falling or Constant Head)                  | \$223.96         | \$228.44         |
| Back Pressure Oedometer                                     | \$223.96         | \$228.44         |
| Water Soluble Sulfates                                      | \$35.63          | \$36.34          |
| pH  | \$30.54          | \$31.15          |
| Resistivity, per Specimen (Natural Moisture and Saturated)  | \$76.35          | \$77.88          |
| Rock Testing  |                  |                  |
| Specific Gravity  | \$35.63          | \$36.34          |
| Two-Cycle Slake-Durability, per point                       | \$81.44          | \$83.07          |
| Unconfined Compression, per point                           |                  |                  |
| Peak Load Only  | \$91.62          | \$93.45          |
| With Stress / Strain Curve, Static E and Poisson's Ratio    | \$152.70         | \$155.75         |
| Triaxial Compression-NX per point                           | \$111.98         | \$114.22         |
| With Stress / Strain Curve, Static E and Poisson's Ratio    | \$223.96         | \$228.44         |
| <b>Liquid Asphalt Laboratory Testing</b>                    |                  |                  |
| Viscosity at 140E F   | \$86.53          | \$88.26          |
| Viscosity at 275E F   | \$86.53          | \$88.26          |
| Penetration   | \$61.08          | \$62.30          |
| Specific Gravity  | \$61.08          | \$62.30          |
| Softening Point   | \$86.53          | \$88.26          |
| Flash Point   | \$61.08          | \$62.30          |
| Ductility @ 77E F   | \$86.53          | \$88.26          |
| Ductility @ 39.4E F   | \$137.43         | \$140.18         |
| Solubility  | \$96.71          | \$98.64          |
| Dynamic Rheometer   | \$559.90         | \$571.10         |
| Polymer Compatibility                                       | \$916.20         | \$934.52         |
| Direct Tension Test   | \$432.65         | \$441.30         |
| Mixing / Compaction Temperatures                            | \$254.50         | \$259.59         |
| Bending Beam Test   | \$407.20         | \$415.34         |
| Thin Film Oven Aging (Including Viscosities)                | \$223.96         | \$228.44         |
| Aging of Asphalt Cement                                     | \$223.96         | \$228.44         |
| Polymer / AC Blending                                       | Quote on Request | Quote on Request |
| Specimen Preparation and Miscellaneous Testing              | \$50.90          | \$51.92          |
| <b>Emulsion Testing</b>                                     |                  |                  |
| Residue and Oil Distillate Test on Residue                  | \$223.96         | \$228.44         |
| Penetration   | \$61.08          | \$62.30          |
| Ductility @ 77E F   | \$86.53          | \$88.26          |
| Solubility  | \$96.71          | \$98.64          |
| Coating Ability and Water Resistance                        | \$117.07         | \$119.41         |
| Storage Stability   | \$117.07         | \$119.41         |
| Sieve Test  | \$61.08          | \$62.30          |
| Violet Testing (per Time or Temperature)                    | \$223.96         | \$228.44         |
| Debonding Testing   | \$285.04         | \$290.74         |
| Seal Coat Design  | \$1,221.60       | \$1,246.03       |
| <b>Asphaltic Concrete Testing</b>                           |                  |                  |
| SHRP or AAMS Mix Design                                     | Quote on Request | Quote on Request |
| Hveem Mix Design  | \$1,221.60       | \$1,246.03       |
| Marshall Mix Design   | \$1,221.60       | \$1,246.03       |
| Immersion Compression                                       | \$305.40         | \$311.51         |
| Lottman (Tensile Strength Ratio) AASHTO                     | \$346.12         | \$353.04         |
| Lottman (Tensile Strength Ratio) Cyclic                     | \$1,221.60       | \$1,246.03       |
| Gyratory Refusal  | \$152.70         | \$155.75         |
| Indirect Tensile Creep                                      | \$152.70         | \$155.75         |
| Indirect Tensile Strength                                   | \$152.70         | \$155.75         |
| Stripping Test  | \$71.26          | \$72.69          |
| Swell Test  | \$71.26          | \$72.69          |
| Theoretical Maximum Density                                 | \$81.44          | \$83.07          |
| Marshall Properties (Including Theoretical Maximum Density) | \$203.60         | \$207.67         |
| Hveem Properties (Including Theoretical Maximum Density)    | \$203.60         | \$207.67         |
| Extraction and Gradation                                    | \$152.70         | \$155.75         |
| Resilient Modulus   | Quote on Request | Quote on Request |
| Nuclear Asphalt content Gage Calibration                    | \$305.40         | \$311.51         |
| Asphalt by Nuclear Gage / or Ignition Oven                  | \$81.44          | \$83.07          |

**EXHIBIT C  
FEE SCHEDULE –  
ADDITIONAL SERVICES**

Revised

8-Feb-06

Note: 2% increase applied to 2006 rates

|  |   |                  |             |                  |             |
|--|---|------------------|-------------|------------------|-------------|
|  | Core Density  |                  |             | \$25.45          | \$25.96     |
|  | Core / Lift Thickness   |                  |             | \$25.45          | \$25.96     |
|  | Sample Preparation, Miscellaneous Testing   |                  |             | \$50.90          | \$51.92     |
| <b>Aggregate<br/>Laboratory<br/>Services</b> |   | <b>Coarse</b>    | <b>Fine</b> | <b>Coarse</b>    | <b>Fine</b> |
|  | Scratch Hardness  | \$50.90          |             | \$51.92          |             |
|  | Gradation Analysis (per Fraction)   | \$35.63          | \$30.54     | \$36.34          | \$31.15     |
|  | Passing No. 200 Sieve   | \$25.45          | \$25.45     | \$25.96          | \$25.96     |
|  | Organic Impurities  |                  | \$40.72     |                  | \$41.53     |
|  | Lightweight Particles   | \$79.40          | \$79.40     | \$80.99          | \$80.99     |
|  | Clay Lumps and Friable Particles  | \$69.22          | \$69.22     | \$70.61          | \$70.61     |
|  | Pop-out of Lightweight Aggregates   | \$203.60         |             | \$207.67         |             |
|  | 5-Cycle Sodium Soundness  | \$183.24         | \$183.24    | \$186.90         | \$186.90    |
|  | 5-Cycle Magnesium Soundness   | \$183.24         | \$183.24    | \$186.90         | \$186.90    |
|  | 12-Cycle Sodium / Magnesium Soundness   | \$234.14         | \$234.14    | \$238.82         | \$238.82    |
|  | Potential Reactivity (Chemical Method)  | \$254.50         | \$254.50    | \$259.59         | \$259.59    |
|  | Potential Reactivity (Mortar Bar Method ASTM C227, C1260 & C1293)                         | \$483.55         | \$483.55    | \$493.22         | \$493.22    |
|  | Unit Weight   | \$35.63          | \$35.63     | \$36.34          | \$36.34     |
|  | Specific Gravity and Absorption   | \$35.63          | \$35.63     | \$36.34          | \$36.34     |
|  | Staining Test (Lightweight Aggregates)  | \$81.44          |             | \$83.07          |             |
|  | Flat and Elongated Pieces   | \$117.07         |             | \$119.41         |             |
|  | Los Angeles Abrasion                      Small-Sized Aggregate                           | \$96.71          |             | \$98.64          |             |
|  | Moisture Content  | \$18.32          | \$18.32     | \$18.69          | \$18.69     |
|  | Fractured Face Determination  | \$117.07         | \$279.95    | \$119.41         | \$285.55    |
|  | Sand Equivalent   |                  | \$81.44     |                  | \$83.07     |
|  | Freeze-Thaw   | \$279.95         | \$244.32    | \$285.55         | \$249.21    |
|  | Mill Abrasion   | \$152.70         |             | \$155.75         |             |
|  | Petrographic Examination  | Quote on Request |             | Quote on Request |             |
|  | Crushing  | \$59.04          | /hour       | \$60.22          | /hour       |
|  | Blending, Sampling and Miscellaneous Testing  | \$69.22          | /hour       | \$70.61          | /hour       |
|  | Gradation Analysis of Large Pit-Run Samples (Larger than 1 L. inch)                       | \$71.26          | /hour       | \$72.69          | /hour       |
|  | Compressive Strength of Test Cylinders (Including 1 Held, or Untested Cylinders)          | \$9.16           |             | \$9.35           |             |
| <b>Concrete<br/>Laboratory<br/>Services</b>  |   |                  |             |                  |             |
|  | Compressive Strength of Test Cylinders Cast by Others                                     | \$18.32          |             | \$18.69          |             |
|  | Preparation and Testing of Cores  |                  |             |                  |             |
|  | Density / Compressive Strength / Thickness  | \$40.72          |             | \$41.53          |             |
|  | Flexural Strength Test of Beams (Including 1 Held, or Untested Beams)                     | \$35.63          |             | \$36.34          |             |
|  | Splitting Tensile Test of Cylinders   | \$35.63          |             | \$36.34          |             |
|  | Modulus of Elasticity Tests   |                  |             |                  |             |
|  | Frame Method (2 Cylinders) Per Set  | \$305.40         |             | \$311.51         |             |
|  | Length Change of Hardened Cement, Mortar and Concrete Per Set                             | \$254.50         |             | \$259.59         |             |
|  | <b>Laboratory Trial Mix Batches</b>   |                  |             |                  |             |
|  | 3 Point Curve, Compressive Strength   |                  |             |                  |             |
|  | (Includes Engineering and Aggregate Testing for Gradation Specific Gravity & Absorption)  | \$1,934.20       |             | \$1,972.88       |             |
|  | 3 Point Curve, Flexural Strength  |                  |             |                  |             |
|  | (Includes Engineering and Aggregate Testing for Gradation Specific Gravity & Absorption)  | \$2,036.00       |             | \$2,076.72       |             |
|  | Single Mix Compressive Strength (Includes Additional Mixes)                               | \$356.30         |             | \$363.43         |             |
|  | Single Mix Flexural Strength  | \$407.20         |             | \$415.34         |             |
|  | Mix With Lightweight Aggregate (Additional Charge per mix (Aggregate Tests not Included)) | \$50.90          |             | \$51.92          |             |
|  | Roller Compacted Concrete Laboratory Trial Mix  | Quote on Request |             | Quote on Request |             |
|  | Chloride Content  |                  |             |                  |             |
|  | Petrographic Examination  | Quote on Request |             | Quote on Request |             |
|  | Laboratory Coring   | \$59.04          | /hour       | \$60.22          | /hour       |
|  | Concrete Freeze / Thaw Per Set  | \$661.70         |             | \$674.93         |             |
|  | Admixture Qualification   | Quote on Request |             |                  |             |
| <b>Cement and Fly<br/>Ash Services</b>       |   |                  |             |                  |             |
|  | <b>Cement:</b>  |                  |             |                  |             |
|  | Sulfate Expansion (ASTM C 452)  | \$559.90         |             | \$571.10         |             |
|  | Compressive Strength Tests (6 Cubes / Mix)  | \$178.15         |             | \$181.71         |             |
|  | Additional Cubes  | \$20.36          |             | \$20.77          |             |

**EXHIBIT C  
FEE SCHEDULE –  
ADDITIONAL SERVICES**

Revised

8-Feb-06

Note: 2% increase applied to 2006 rates

|  |          |          |
|--|----------|----------|
| Time of Setting (Gilmore or Vicat)                     | \$142.52 | \$145.37 |
| Density  | \$71.26  | \$72.69  |
| Fineness by Blaine or No. 325 Sieve (Air Permeability) | \$81.44  | \$83.07  |
| Early Stiffening (Paste Method)                        | \$66.17  | \$67.49  |
| Chemical Analysis                                      | \$234.14 | \$238.82 |
| Autoclave Expansion                                    | \$173.06 | \$176.52 |
| Air Content  | \$111.98 | \$114.22 |
| Tensile Briquets                                       | \$335.94 | \$342.66 |
| Cement Content of Hardened Concrete                    | \$585.35 | \$597.06 |
| ASTM C 150, Standard Properties                        | \$610.80 | \$623.02 |
| <b>Fly Ash:</b>  |          |          |
| Loss on Ignition, Moisture                             | \$76.35  | \$77.88  |
| Fineness, No. 325 Sieve                                | \$66.17  | \$67.49  |
| Density  | \$71.26  | \$72.69  |
| Chemical Analysis                                      | \$183.24 | \$186.90 |
| Strength Activity (with Cement)                        | \$178.15 | \$181.71 |
| Drying-Shrinkage (Mortar Bar Method) Per Set           | \$178.15 | \$181.71 |
| Autoclave Expansion Per Set                            | \$178.15 | \$181.71 |
| Alkali Reactivity (Pyrex Glass)                        | \$437.74 | \$446.49 |
| Available Alkalies                                     | \$132.34 | \$134.99 |
| ASTM C 618, Standard Properties                        | \$509.00 | \$519.18 |

**Masonry  
Laboratory  
Services**

|  |                  |                  |
|--|------------------|------------------|
| <b>Block:</b>  |                  |                  |
| Compressive Strength Tests   | \$35.63          | \$36.34          |
| Q-Block Test Series  | \$254.50         | \$259.59         |
| British Shrinkage (3 Samples)  | \$305.40         | \$311.51         |
| Dimensional Analysis   | \$40.72          | \$41.53          |
| Fire Rating by UL 618  | \$178.15         | \$181.71         |
| Absorption Analysis  | \$40.72          | \$41.53          |
| Block Freeze / Thaw, 100 Cycle   | \$763.50         | \$778.77         |
| Block Freeze / Thaw, 200 Cycle   | \$1,119.80       | \$1,142.20       |
| <b>Brick:</b>  |                  |                  |
| Compressive Strength Tests   | \$35.63          | \$36.34          |
| Coefficient of Saturation, Absorption Analysis                                 | \$40.72          | \$41.53          |
| Initial Rate of Absorption Per Set   | \$71.26          | \$72.69          |
| Dimensional Analysis   | \$35.63          | \$36.34          |
| Modulus of Rupture (Flexural Strength)   | \$40.72          | \$41.53          |
| Brick Freeze / Thaw, 50 cycle, ASTM C 67                                       | \$427.56         | \$436.11         |
| <b>Mortar and Grout:</b>   |                  |                  |
| Mortar Mix (6 Cubes Per Mix)   | \$178.15         | \$181.71         |
| Water Retentivity Test   | \$76.35          | \$77.88          |
| Compressive Strength Tests and Preparation of Field - Sampled Mortar (6 Cubes) | \$127.25         | \$129.80         |
| Compressive Strength Tests and Preparation of Grout Cored from Block           | \$35.63          | \$36.34          |
| <b>Masonry Prisms (8-inch Width)</b>   |                  |                  |
| Hollow Prisms, Brick   | \$61.08          | \$62.30          |
| Hollow Prisms, Block - 2 Course Maximum  | \$61.08          | \$62.30          |
| Hollow Prisms, Block - Over 2 Courses  | \$86.53          | \$88.26          |
| Grout-Filled Prisms, Brick   | \$86.53          | \$88.26          |
| Grout-Filled Prisms, Block - 2 Course Maximum                                  | \$71.26          | \$72.69          |
| Grout-Filled Prisms, Block - Over 2 Courses                                    | \$96.71          | \$98.64          |
| Clay Tile, Flexural Strength   | Quote on Request | Quote on Request |
| Clay Tile, Absorption Analysis   | Quote on Request | Quote on Request |
| <b>Masonry Prisms (10-inch or 12-inch Width), Add to Above Prices</b>          |                  |                  |
| Hollow Prisms  | \$25.45          | \$25.96          |
| Grout-Filled Prisms  | \$50.90          | \$51.92          |
| Laboratory Sawing of Specimens   | 66.17/hour       | 67.49/hour       |

**Steel Laboratory  
Services**

|   |         |         |
|---|---------|---------|
| Ultimate Tensile Strength                         | \$91.62 | \$93.45 |
| Percent Elongation                                | \$10.18 | \$10.38 |
| Yield Strength                                    | \$10.18 | \$10.38 |
| Reduction of Area                                 | \$10.18 | \$10.38 |
| Hollow or Circular Samples                        | \$10.18 | \$10.38 |
| Tensile Strength of Post Tension Strands Per Test | \$91.62 | \$93.45 |

**EXHIBIT B  
FEE SCHEDULE**

Revised

8-Feb-06

Note: 2% increase applied to 2005 rates

| Item #                 | Description  | Unit         | 2005 Price | 2006 Price |
|------------------------|--|--------------|------------|------------|
| <b><u>SOILS</u></b>    |  |              |            |            |
| 101                    | Atterberg Limits; Classification Liquid Limit, Plastic Limit, Plasticity Index   | Ea. Test     | \$55.99    | \$57.11    |
| 102                    | Hveem Stabilometer - "R" Value   | Ea.          | \$305.40   | \$311.51   |
| 103                    | Proctor - Standard   | Ea.          | \$76.35    | \$77.88    |
| 104                    | Proctor - Modified   | Ea.          | \$86.53    | \$88.26    |
| 105                    | Proctor - One Point Check  | Ea.          | \$30.54    | \$31.15    |
| 106                    | PH Determination   | Ea.          | \$30.54    | \$31.15    |
| 107                    | Nuclear Field Density Test 3 or More Tests Per Trip  | Ea. Test     | \$15.27    | \$15.58    |
| 108                    | Nuclear Field Density Test, Less Then 3 Tests Per Trip   | Ea. Test     | \$20.36    | \$20.77    |
| 109                    | Sieve Analysis - (Plus #4 Material)  | Ea. Test     | \$35.63    | \$36.34    |
| 111                    | Sieve Analysis - (#4 to minus 200 Material)  |              | \$30.54    | \$31.15    |
| 112                    | Organic Content for Top Soil   | Ea. Test     | \$30.54    | \$31.15    |
| 113                    | Hydrometer Analysis  | Ea. Test     | \$61.08    | \$62.30    |
| <b><u>CONCRETE</u></b> |  |              |            |            |
| 201                    | Concrete Cylinders (Including sampling in Field, Slump, Unit Weight, Yield, Air Content, Temperature, Casting, Curing Testing and Reporting) | Set of 4     | \$142.52   | \$145.37   |
| 202                    | Additional Cylinder  | Per Cylinder | \$9.16     | \$9.35     |
| 203                    | Compression Test (Cap, Cure and Break FOB Lab)   | Ea. Test     | \$12.22    | \$12.46    |
| 204                    | Concrete Beams (Including Sampling)  | Set of 3     | \$167.97   | \$171.33   |
| 205                    | Additional Beam  | Per Beam     | \$32.58    | \$33.23    |
| 206                    | Sand Equivalent (CP-30)  | Ea. Test     | \$81.44    | \$83.07    |
| <b><u>ASPHALT</u></b>  |  |              |            |            |
| 301                    | Sieve Analysis - (Plus #4 Material)  | Ea. Test     | \$35.63    | \$36.34    |
| 302                    | Sieve Analysis - (Minus #4 Material)   | Ea. Test     | \$30.54    | \$31.15    |
| 303                    | Specific Gravity and Absorption (Plus #4 Material)   | Ea. Test     | \$35.63    | \$36.34    |
| 304                    | Specific Gravity and Absorption (Minus #4 Material)  | Ea. Test     | \$35.63    | \$36.34    |
| 305                    | L.A. Abrasion Test   | Ea. Test     | \$96.71    | \$98.64    |
| 306                    | Fractured Face Determination   | Ea. Test     | \$117.07   | \$119.41   |
| 307                    | Flat and Elongated Particles   | Ea. Test     | \$117.07   | \$119.41   |
| 308                    | Maximum Theoretical Specific Gravity for Air Voids (Rice)  | Ea. Test     | \$81.44    | \$83.07    |
| 309                    | Lottman (TSR) Test   | Ea. Test     | \$346.12   | \$353.04   |



**EXHIBIT B  
FEE SCHEDULE**

Revised

8-Feb-06

Note: 2% increase applied to 2005 rates

| Item #                            | Description   | Unit            | 2005 Price | 2006 Price |
|-----------------------------------|---|-----------------|------------|------------|
| <b><u>ASPHALT (Continued)</u></b> |   |                 |            |            |
| 310                               | Mix Design Bulk Unit Weight and Hveem Stability Verification  | Ea. Test        | \$203.60   | \$207.67   |
| 311                               | Sand Equivalent   | Ea. Test        | \$81.44    | \$83.07    |
| 312                               | Determination of Bitumen Content by Extraction, Gradation Analysis of Extracted Aggregate (To be sampled by Consultant) | Ea. Sample      | \$152.70   | \$155.75   |
| 313                               | Determination of Bitumen Content by Extraction (To be Sampled by Consultant)  |                 | \$81.44    | \$83.07    |
| 314                               | Determination of Bitumen Content by Nuclear Gauge (To be Sampled by Consultant)   | Ea. Sample      | \$81.44    | \$83.07    |
| 315                               | Calibrate Nuclear Gauge (For a New Asphalt Mix)   | Ea. Calibration | \$305.40   | \$311.51   |
| 316                               | Nuclear Field Density Tests (3 or More Tests per Trip)  | Ea. Test        | \$15.27    | \$15.58    |
| 317                               | Nuclear Field Density Tests (Less Than 3 Tests per Trip)  | Ea. Test        | \$20.36    | \$20.77    |
| 18                                | Asphalt Plant Inspection  | Per Hour        | \$50.90    | \$51.92    |
| 319                               | Core Field Samples  | Per Hour        | \$35.63    | \$36.34    |
|                                   |   | Per Inch        |            |            |
| <b><u>HOURLY RATES</u></b>        |   |                 |            |            |
| 401                               | Principal Engineer and/or Geologist   | Per Hour        | \$101.80   | \$103.84   |
| 402                               | Geotechnical Engineer/ Department Manager   | Per Hour        | \$71.26    | \$72.69    |
| 403                               | Senior Field Technician   | Per Hour        | \$55.99    | \$57.11    |
| 404                               | Field Technician  | Per Hour        | \$45.81    | \$46.73    |

**EXHIBIT C  
FEE SCHEDULE –  
ADDITIONAL SERVICES**

Revised

8-Feb-06

Note: 2% increase applied to 2006 rates

| Field Investigation Services   | 2005 Price       | 2006 Price       |
|--|------------------|------------------|
| Drilling and Sampling with a 4-inch Auger  | \$127.25 /hour   | \$129.80 /hour   |
| Drilling and Sampling with Hollow Auger  | \$152.70 /hour   | \$155.75 /hour   |
| Drilling and Sampling with Track-Mounted Rig Add   | \$45.81 /hour    | \$46.73 /hour    |
| Drilling and Sampling with Rotary Drill  |                  |                  |
| Shelby Tube Sample   |                  |                  |
| Drilling Rig Mobilization  | \$12.22 each     | \$12.46 each     |
| Fort Collins Area  | Hourly Rate      | Hourly Rate      |
| Outlying Areas   | \$1.93 /mile     | \$1.97 /mile     |
| Auto or Pickup Mileage (Out Of Town Mobilization)  | \$0.51 /mile     | \$0.52 /mile     |
| Labor, Out-Of-Town Living Expenses, Travel Costs, Equipment Rental   |                  |                  |
| <b>Construction Observation and Testing Services</b>   |                  |                  |
| Drilled Pier Installation  | \$53.95 /hour    | \$55.03 /hour    |
| On Site Concrete Curing Service  | Quote on Request | Quote on Request |
| Maturity Meter Curing Method   | Quote on Request | Quote on Request |
| In Situ Concrete Pullout Tests   |                  |                  |
| Insert Installation & Pull Test  | \$79.40 /hour    | \$80.99 /hour    |
| Inserts  | \$25.45 each     | \$25.96 each     |
| Floor Flatness (F <sub>F</sub> and F <sub>L</sub> and/or 10 Foot Straightedge)   | \$79.40 /hour    | \$80.99 /hour    |
| Reinforcement Placement Observation*   | \$53.95 /hour    | \$55.03 /hour    |
| Masonry Special Inspection*  | \$53.95 /hour    | \$55.03 /hour    |
| Weld & Bolt Inspection   | \$53.95 /hour    | \$55.03 /hour    |
| Post Tension:  |                  |                  |
| Strand Observation*  | \$53.95 /hour    | \$55.03 /hour    |
| Elongation Measurements*   | \$53.95 /hour    | \$55.03 /hour    |
| Sprayed on Fireproofing includes, when required:   | \$53.95 /hour    | \$55.03 /hour    |
| Thickness Measurements, Density Per Sample, Bond Per Test  |                  |                  |
| Report Review / Supervision for Construction Observation and Testing Services  | \$40.72 /report  | \$41.53 /report  |
| Overtime Charge Increase for work done on Saturday, Sunday and Holidays  | \$10.18 /hour    | \$10.38 /hour    |
| <b>Specialized Testing and Services</b>  |                  |                  |
| Geophysical Services   |                  |                  |
| Pier Integrity, Profiles by Reflection or Refraction, Resistivity Surveys, Dynamic Soil Properties   |                  |                  |
| Specialize Testing Equipment Charges (Portable Drill Rig, Pressuremeter, Resistivity, Photoionization Device, Field Permeability, Down-Hole Moisture / Density |                  |                  |
| Benkelman Beam Testing   |                  |                  |
| Benkelman Beam and Operator  | \$112.97 /hour   | \$115.23 /hour   |
| Truck - 18 kip axle load   | \$154.05 /hour   | \$157.13 /hour   |
| Transverse Profilograph Testing  | \$92.43 /hour    | \$94.28 /hour    |
| NDT Equipment (Pulse-Velocity, Windsor Probe Test System, Pachometer, Half-Cell)   | \$25.68 /hour    | \$26.19 /hour    |
| <b>Laboratory Services</b>   |                  |                  |
| Natural Moisture and Density   | \$5.09           | \$5.19           |
| Specific Gravity   | \$35.63          | \$36.34          |
| Unconfined Compression   | \$30.54          | \$31.15          |
| Unconfined Compression with Stress / Strain Curve  | \$40.72          | \$41.53          |
| One-Dimensional Swell Test   | \$35.63          | \$36.34          |
| One-Dimensional Swell Test with Load Back for Swell Pressure   | \$45.81          | \$46.73          |
| Soil Suction, per point  | \$40.72          | \$41.53          |
| One-Dimensional Time Consolidation Test  |                  |                  |
| Set up and Initial Load  | \$132.34         | \$134.99         |
| Additional Increments  | \$35.63          | \$36.34          |
| Triaxial or Direct Shear Tests, per point  |                  |                  |
| Unconsolidated-Undrained   | \$101.80         | \$103.84         |
| Consolidated-Undrained   | \$335.94         | \$342.66         |
| Consolidated-Undrained with Pore Pressure  | \$356.30         | \$363.43         |
| Relative Density (ASTM D 4253 and D 4254)  | \$147.61         | \$150.56         |
| California Bearing Ratio (3 Points)  | \$366.48         | \$373.81         |
| Permeability   |                  |                  |
| Flexible Membrane (Triaxial Cell)  | \$366.48         | \$373.81         |

**EXHIBIT C  
FEE SCHEDULE –  
ADDITIONAL SERVICES**

Revised

8-Feb-06

Note: 2% increase applied to 2006 rates

|   |                  |                  |
|---|------------------|------------------|
| Remolded Sample (Falling or Constant Head)                  | \$223.96         | \$228.44         |
| Back Pressure Oedometer                                     | \$223.96         | \$228.44         |
| Water Soluble Sulfates                                      | \$35.63          | \$36.34          |
| pH  | \$30.54          | \$31.15          |
| Resistivity, per Specimen (Natural Moisture and Saturated)  | \$76.35          | \$77.88          |
| Rock Testing  |                  |                  |
| Specific Gravity  | \$35.63          | \$36.34          |
| Two-Cycle Slake-Durability, per point                       | \$81.44          | \$83.07          |
| Unconfined Compression, per point                           |                  |                  |
| Peak Load Only  | \$91.62          | \$93.45          |
| With Stress / Strain Curve, Static E and Poisson's Ratio    | \$152.70         | \$155.75         |
| Triaxial Compression-NX per point                           | \$111.98         | \$114.22         |
| With Stress / Strain Curve, Static E and Poisson's Ratio    | \$223.96         | \$228.44         |
| <b>Liquid Asphalt<br/>Laboratory<br/>Testing</b>            |                  |                  |
| Viscosity at 140E F   | \$86.53          | \$88.26          |
| Viscosity at 275E F   | \$86.53          | \$88.26          |
| Penetration   | \$61.08          | \$62.30          |
| Specific Gravity  | \$61.08          | \$62.30          |
| Softening Point   | \$86.53          | \$88.26          |
| Flash Point   | \$61.08          | \$62.30          |
| Ductility @ 77E F   | \$86.53          | \$88.26          |
| Ductility @ 39.4E F   | \$137.43         | \$140.18         |
| Solubility  | \$96.71          | \$98.64          |
| Dynamic Rheometer   | \$559.90         | \$571.10         |
| Polymer Compatibility                                       | \$916.20         | \$934.52         |
| Direct Tension Test   | \$432.65         | \$441.30         |
| Mixing / Compaction Temperatures                            | \$254.50         | \$259.59         |
| Bending Beam Test   | \$407.20         | \$415.34         |
| Thin Film Oven Aging (Including Viscosities)                | \$223.96         | \$228.44         |
| Aging of Asphalt Cement                                     | \$223.96         | \$228.44         |
| Polymer / AC Blending                                       | Quote on Request | Quote on Request |
| Specimen Preparation and Miscellaneous Testing              | \$50.90          | \$51.92          |
| <b>Emulsion<br/>Testing</b>                                 |                  |                  |
| Residue and Oil Distillate                                  | \$223.96         | \$228.44         |
| Test on Residue   |                  |                  |
| Penetration   | \$61.08          | \$62.30          |
| Ductility @ 77E F   | \$86.53          | \$88.26          |
| Solubility  | \$96.71          | \$98.64          |
| Coating Ability and Water Resistance                        | \$117.07         | \$119.41         |
| Storage Stability   | \$117.07         | \$119.41         |
| Sieve Test  | \$61.08          | \$62.30          |
| Violet Testing (per Time or Temperature)                    | \$223.96         | \$228.44         |
| Debonding Testing   | \$285.04         | \$290.74         |
| Seal Coat Design  | \$1,221.60       | \$1,246.03       |
| <b>Asphaltic<br/>Concrete Testing</b>                       |                  |                  |
| SHRP or AAMS Mix Design                                     | Quote on Request | Quote on Request |
| Hveem Mix Design  | \$1,221.60       | \$1,246.03       |
| Marshall Mix Design   | \$1,221.60       | \$1,246.03       |
| Immersion Compression                                       | \$305.40         | \$311.51         |
| Lottman (Tensile Strength Ratio) AASHTO                     | \$346.12         | \$353.04         |
| Lottman (Tensile Strength Ratio) Cyclic                     | \$1,221.60       | \$1,246.03       |
| Gyratory Refusal  | \$152.70         | \$155.75         |
| Indirect Tensile Creep                                      | \$152.70         | \$155.75         |
| Indirect Tensile Strength                                   | \$152.70         | \$155.75         |
| Stripping Test  | \$71.26          | \$72.69          |
| Swell Test  | \$71.26          | \$72.69          |
| Theoretical Maximum Density                                 | \$81.44          | \$83.07          |
| Marshall Properties (Including Theoretical Maximum Density) | \$203.60         | \$207.67         |
| Hveem Properties (Including Theoretical Maximum Density)    | \$203.60         | \$207.67         |
| Extraction and Gradation                                    | \$152.70         | \$155.75         |
| Resilient Modulus   | Quote on Request | Quote on Request |
| Nuclear Asphalt content Gage Calibration                    | \$305.40         | \$311.51         |
| Asphalt by Nuclear Gage / or Ignition Oven                  | \$81.44          | \$83.07          |

**EXHIBIT C  
FEE SCHEDULE –  
ADDITIONAL SERVICES**

Revised

8-Feb-06

Note: 2% increase applied to 2006 rates

|                                      |   |                  |             |                  |             |
|--------------------------------------|---|------------------|-------------|------------------|-------------|
|                                      | Core Density  |                  |             | \$25.45          | \$25.96     |
|                                      | Core / Lift Thickness   |                  |             | \$25.45          | \$25.96     |
|                                      | Sample Preparation, Miscellaneous Testing   |                  |             | \$50.90          | \$51.92     |
| <b>Aggregate Laboratory Services</b> |   | <b>Coarse</b>    | <b>Fine</b> | <b>Coarse</b>    | <b>Fine</b> |
|                                      | Scratch Hardness  | \$50.90          |             | \$51.92          |             |
|                                      | Gradation Analysis (per Fraction)   | \$35.63          | \$30.54     | \$36.34          | \$31.15     |
|                                      | Passing No. 200 Sieve   | \$25.45          | \$25.45     | \$25.96          | \$25.96     |
|                                      | Organic Impurities  |                  | \$40.72     |                  | \$41.53     |
|                                      | Lightweight Particles   | \$79.40          | \$79.40     | \$80.99          | \$80.99     |
|                                      | Clay Lumps and Friable Particles  | \$69.22          | \$69.22     | \$70.61          | \$70.61     |
|                                      | Pop-out of Lightweight Aggregates   | \$203.60         |             | \$207.67         |             |
|                                      | 5-Cycle Sodium Soundness  | \$183.24         | \$183.24    | \$186.90         | \$186.90    |
|                                      | 5-Cycle Magnesium Soundness   | \$183.24         | \$183.24    | \$186.90         | \$186.90    |
|                                      | 12-Cycle Sodium / Magnesium Soundness   | \$234.14         | \$234.14    | \$238.82         | \$238.82    |
|                                      | Potential Reactivity (Chemical Method)  | \$254.50         | \$254.50    | \$259.59         | \$259.59    |
|                                      | Potential Reactivity (Mortar Bar Method ASTM C227, C1260 & C1293)                         | \$483.55         | \$483.55    | \$493.22         | \$493.22    |
|                                      | Unit Weight   | \$35.63          | \$35.63     | \$36.34          | \$36.34     |
|                                      | Specific Gravity and Absorption   | \$35.63          | \$35.63     | \$36.34          | \$36.34     |
|                                      | Staining Test (Lightweight Aggregates)  | \$81.44          |             | \$83.07          |             |
|                                      | Flat and Elongated Pieces   | \$117.07         |             | \$119.41         |             |
|                                      | Los Angeles Abrasion                      Small-Sized Aggregate                           | \$96.71          |             | \$98.64          |             |
|                                      | Moisture Content  | \$18.32          | \$18.32     | \$18.69          | \$18.69     |
|                                      | Fractured Face Determination  | \$117.07         | \$279.95    | \$119.41         | \$285.55    |
|                                      | Sand Equivalent   |                  | \$81.44     |                  | \$83.07     |
|                                      | Freeze-Thaw   | \$279.95         | \$244.32    | \$285.55         | \$249.21    |
|                                      | Mill Abrasion   | \$152.70         |             | \$155.79         |             |
|                                      | Petrographic Examination  | Quote on Request |             | Quote on Request |             |
|                                      | Crushing  | \$59.04          | /hour       | \$60.22          | /hour       |
|                                      | Blending, Sampling and Miscellaneous Testing  | \$69.22          | /hour       | \$70.61          | /hour       |
|                                      | Gradation Analysis of Large Pit-Run Samples (Larger than 1 L. inch)                       | \$71.26          | /hour       | \$72.69          | /hour       |
|                                      | Compressive Strength of Test Cylinders (Including Held or Untested Cylinders)             | \$9.16           |             | \$9.35           |             |
| <b>Concrete Laboratory Services</b>  |   |                  |             |                  |             |
|                                      | Compressive Strength of Test Cylinders Cast by Others                                     | \$18.32          |             | \$18.69          |             |
|                                      | Preparation and Testing of Cores  |                  |             |                  |             |
|                                      | Density / Compressive Strength / Thickness  | \$40.72          |             | \$41.53          |             |
|                                      | Flexural Strength Test of Beams (Including Held or Untested Beams)                        | \$35.63          |             | \$36.34          |             |
|                                      | Splitting Tensile Test of Cylinders   | \$35.63          |             | \$36.34          |             |
|                                      | Modulus of Elasticity Tests   |                  |             |                  |             |
|                                      | Frame Method (2 Cylinders) Per Set  | \$305.40         |             | \$311.51         |             |
|                                      | Length Change of Hardened Cement, Mortar and Concrete Per Set                             | \$254.50         |             | \$259.59         |             |
|                                      | <b>Laboratory Trial Mix Batches</b>   |                  |             |                  |             |
|                                      | 3 Point Curve, Compressive Strength   |                  |             |                  |             |
|                                      | (Includes Engineering and Aggregate Testing for Gradation Specific Gravity & Absorption)  | \$1,934.20       |             | \$1,972.88       |             |
|                                      | 3 Point Curve, Flexural Strength  |                  |             |                  |             |
|                                      | (Includes Engineering and Aggregate Testing for Gradation Specific Gravity & Absorption)  | \$2,036.00       |             | \$2,076.72       |             |
|                                      | Single Mix Compressive Strength (Includes Additional Mixes)                               | \$356.30         |             | \$363.43         |             |
|                                      | Single Mix Flexural Strength  | \$407.20         |             | \$415.34         |             |
|                                      | Mix With Lightweight Aggregate (Additional Charge per mix (Aggregate Tests not included)) | \$50.90          |             | \$51.92          |             |
|                                      | Roller Compacted Concrete Laboratory Trial Mix  | Quote on Request |             | Quote on Request |             |
|                                      | Chloride Content  |                  |             |                  |             |
|                                      | Petrographic Examination  | Quote on Request |             | Quote on Request |             |
|                                      | Laboratory Coring   | \$59.04          | /hour       | \$60.22          | /hour       |
|                                      | Concrete Freeze / Thaw Per Set  | \$661.70         |             | \$674.93         |             |
|                                      | Admixture Qualification   | Quote on Request |             |                  |             |
| <b>Cement and Fly Ash Services</b>   |   |                  |             |                  |             |
|                                      | <b>Cement:</b>  |                  |             |                  |             |
|                                      | Sulfate Expansion (ASTM C 452)  | \$559.90         |             | \$571.10         |             |
|                                      | Compressive Strength Tests (6 Cubes / Mix)  | \$178.15         |             | \$181.71         |             |
|                                      | Additional Cubes  | \$20.36          |             | \$20.77          |             |

**EXHIBIT C  
FEE SCHEDULE –  
ADDITIONAL SERVICES**

Revised

8-Feb-06

Note: 2% increase applied to 2006 rates

|  |          |          |
|--|----------|----------|
| Time of Setting (Gilmore or Vicat)                     | \$142.52 | \$145.37 |
| Density  | \$71.26  | \$72.69  |
| Fineness by Blaine or No. 325 Sieve (Air Permeability) | \$81.44  | \$83.07  |
| Early Stiffening (Paste Method)                        | \$66.17  | \$67.49  |
| Chemical Analysis                                      | \$234.14 | \$238.82 |
| Autoclave Expansion                                    | \$173.06 | \$176.52 |
| Air Content  | \$111.98 | \$114.22 |
| Tensile Briquets                                       | \$335.94 | \$342.66 |
| Cement Content of Hardened Concrete                    | \$585.35 | \$597.06 |
| ASTM C 150, Standard Properties                        | \$610.80 | \$623.02 |
| <b>Fly Ash:</b>  |          |          |
| Loss on Ignition, Moisture                             | \$76.35  | \$77.88  |
| Fineness, No. 325 Sieve                                | \$66.17  | \$67.49  |
| Density  | \$71.26  | \$72.69  |
| Chemical Analysis                                      | \$183.24 | \$186.90 |
| Strength Activity (with Cement)                        | \$178.15 | \$181.71 |
| Drying-Shrinkage (Mortar Bar Method) Per Set           | \$178.15 | \$181.71 |
| Autoclave Expansion Per Set                            | \$178.15 | \$181.71 |
| Alkali Reactivity (Pyrex Glass)                        | \$437.74 | \$446.49 |
| Available Alkalies                                     | \$132.34 | \$134.99 |
| ASTM C 618, Standard Properties                        | \$509.00 | \$519.18 |

**Masonry  
Laboratory  
Services**

|  |                  |                  |
|--|------------------|------------------|
| <b>Block:</b>  |                  |                  |
| Compressive Strength Tests   | \$35.63          | \$36.34          |
| Q-Block Test Series  | \$254.50         | \$259.59         |
| British Shrinkage (3 Samples)  | \$305.40         | \$311.51         |
| Dimensional Analysis   | \$40.72          | \$41.53          |
| Fire Rating by UL 618  | \$178.15         | \$181.71         |
| Absorption Analysis  | \$40.72          | \$41.53          |
| Block Freeze / Thaw, 100 Cycle   | \$763.50         | \$778.77         |
| Block Freeze / Thaw, 200 Cycle   | \$1,119.80       | \$1,142.20       |
| <b>Brick:</b>  |                  |                  |
| Compressive Strength Tests   | \$35.63          | \$36.34          |
| Coefficient of Saturation, Absorption Analysis                                 | \$40.72          | \$41.53          |
| Initial Rate of Absorption Per Set   | \$71.26          | \$72.69          |
| Dimensional Analysis   | \$35.63          | \$36.34          |
| Modulus of Rupture (Flexural Strength)   | \$40.72          | \$41.53          |
| Brick Freeze / Thaw, 50 cycle, ASTM C 67                                       | \$427.56         | \$436.11         |
| <b>Mortar and Grout:</b>   |                  |                  |
| Mortar Mix (6 Cubes Per Mix)   | \$178.15         | \$181.71         |
| Water Retentivity Test   | \$76.35          | \$77.88          |
| Compressive Strength Tests and Preparation of Field - Sampled Mortar (6 Cubes) | \$127.25         | \$129.80         |
| Compressive Strength Tests and Preparation of Grout Cored from Block           | \$35.63          | \$36.34          |
| <b>Masonry Prisms (8-inch Width)</b>   |                  |                  |
| Hollow Prisms, Brick   | \$61.08          | \$62.30          |
| Hollow Prisms, Block - 2 Course Maximum  | \$61.08          | \$62.30          |
| Hollow Prisms, Block - Over 2 Courses  | \$86.53          | \$88.26          |
| Grout-Filled Prisms, Brick   | \$86.53          | \$88.26          |
| Grout-Filled Prisms, Block - 2 Course Maximum                                  | \$71.26          | \$72.69          |
| Grout-Filled Prisms, Block - Over 2 Courses                                    | \$96.71          | \$98.64          |
| Clay Tile, Flexural Strength   | Quote on Request | Quote on Request |
| Clay Tile, Absorption Analysis   | Quote on Request | Quote on Request |
| <b>Masonry Prisms (10-inch or 12-inch Width), Add to Above Prices</b>          |                  |                  |
| Hollow Prisms  | \$25.45          | \$25.96          |
| Grout-Filled Prisms  | \$50.90          | \$51.92          |
| Laboratory Sawing of Specimens   | 66.17/hour       | 67.49/hour       |

**Steel Laboratory  
Services**

|   |         |         |
|---|---------|---------|
| Ultimate Tensile Strength                         | \$91.62 | \$93.45 |
| Percent Elongation                                | \$10.18 | \$10.38 |
| Yield Strength                                    | \$10.18 | \$10.38 |
| Reduction of Area                                 | \$10.18 | \$10.38 |
| Hollow or Circular Samples                        | \$10.18 | \$10.38 |
| Tensile Strength of Post Tension Strands Per Test | \$91.62 | \$93.45 |