



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
TESTING FOR QUALITY AND STRENGTH

**Proposal for Professional Services for  
Minnesota Construction Testing  
and Inspection Services.**

Attn: Contracts Officer  
Real Estate and Construction Services  
Administration Building Rm 309  
50 Sherburne Avenue  
St. Paul, MN 55155



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
TESTING FOR QUALITY AND STRENGTH

December 11, 2009

Attn: Contracts Officer  
Real Estate and Construction Services  
Administration Building Room #309  
50 Sherburne Avenue  
St. Paul, MN 55155

RE: Proposal submitted for, Professional Services for Minnesota Construction Testing and Inspection Services.

Dear Contract Officer:

Construction Engineering Laboratory, Inc. (CEL) is extremely interested in being considered for the upcoming Master Contract with Real Estate and Construction Services. Currently, CEL is successfully performing work under the Master Contract with Real Estate and Construction Services, signed February 8, 2005. CEL is in the approved list of vendors with the State of Minnesota.

The Fee Schedule will be submitted in a sealed envelope, as requested in the RFP. The proposal is presented in the required order of information requested in the RFP.

Legal Name: Construction Engineering Laboratory, Incorporated  
Mailing Address: 5661 International Parkway, Minneapolis, MN 55428-3046  
County: Hennepin County  
Legal Status: Corporation  
Federal ID No.: 41-1616221  
State ID No.: 2326049  
State Vendor No.: 150152001-00  
Website Address: N/A  
Point of Contact: P. Palanisami, P.E., President  
Office: (763) 533-9534  
Fax: (763) 533-9586  
Email: [swami.engineer@palanisami.com](mailto:swami.engineer@palanisami.com)

We have received Addenda #1 dated December 3, 2009. Thank you for the opportunity to submit this proposal.

Respectfully,

**P. Palanisami, P.E.**  
President  
Office: (763) 533-9534  
Fax: (763) 533-9586  
Email: [swami.engineer@palanisami.com](mailto:swami.engineer@palanisami.com)



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
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**CONSTRUCTION TESTING AND INSPECTION SERVICES RFP- EXHIBIT A**

Name of Firm: Construction Engineering Laboratory, Inc.

Proposal Dated: December 11, 2009

Responder shall indicate the categories of tests and inspections for which the firm is qualified:

**Geotechnical Services**

- Pre-construction Soil Exploration and Testing
- Percolation Tests, Recommendations for Septic Systems
- Foundation and Pavement Design Recommendations
- Observation and Testing of Existing Soils during Excavation and Grading
- Laboratory Testing of Proposed Fill Material
- Observation and Testing of Fill and Backfill for Moisture, Compaction
- Other \_\_\_\_\_

**Concrete Testing and Inspection Services**

- Concrete, Grout Mix Design
- Observe and Document Formwork Construction
- Observe and Document Placement of Reinforcing Steel
- Slump, Temperature, and Air Entrainment Tests of Fresh Concrete
- Cast, Cure and Test Concrete Cylinders for Compressive Strength
- Other \_\_\_\_\_

**Masonry Testing and Inspection Services**

- Mortar, Masonry Fill Mix Design
- Laboratory Tests on Masonry Prisms
- Laboratory Test of Mortar and Core-fill for Compressive Strength and Bond Strength
- Special Inspection of Structural Masonry Construction (Continuous X / Periodic X )
- Other \_\_\_\_\_

**Structural Steel Testing and Inspection**

- Strength Testing of Embedded Bolts
- Observe and Test Welded and Bolted Connections during Structural Steel and Precast Concrete Erection
- Observe and Test Welding and Screw Fastening during Metal Deck Installation
- Other \_\_\_\_\_



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**Pavement Testing and Inspection**

- Observe and Test Rolling Operations on Subgrade Soils
- Field and Laboratory Tests on Aggregate Base
- Field and Laboratory Tests during Bituminous Paving (Continuous X /Periodic X)
- Other \_\_\_\_\_

**Fireproofing / Firestopping Testing and Inspection**

- Test Installed Spray-on Fireproofing for Thickness, Density, Adhesion
- Observe and Document Installation of Fire-Resistive Joint Systems
- Other \_\_\_\_\_

**Phase I Archaeological Resources Investigation**

- Determine whether cultural resources are present within the project area, and whether these resources are potentially eligible for the National Register of Historic Places (NRHP).
- All field methods and reporting of the Phase I Archaeological Resources Investigation will comply with the Minnesota State Historic Preservation Office guidelines as well as federal guidelines, and will meet the requirements of the Secretary of the Interior's Standards.
- If an archaeological site is found, wash, analyze, and catalogue all recovered artifacts. Laboratory and curation procedures will follow appropriate standard guidelines
- Curate the artifacts at the Minnesota Historical Society under Contractor's curation agreement. Contractor's lab director will ensure that the cataloging and curation meet the requirements of Minnesota's repository guidelines.
- Other \_\_\_\_\_

**Phase II Archaeological Resources Investigation**

- Excavate and document designated features in accordance with Minnesota State Historic Preservation Office guidelines as well as federal guidelines, and will meet the requirements of the Secretary of the Interior's Standards.
- Record excavation data on standardized forms and in the log book of the principal investigator including location and methods of testing; the numbers, types, and locations of recovered cultural materials; the depth and thickness of excavated soil layers; soil textures and inclusions; and soil color according to Munsell color charts.
- Take up to 5 radiocarbon samples if suitable materials are encountered and complete standard radiometric analysis.
- Clean, catalogue, label and bag all recovered artifacts in accordance with professional standards and submit recovered materials to the Minnesota Historical Society for curation.
- Other \_\_\_\_\_

**Phase I Environmental Investigation**

- Complete a Phase I Environmental Site Assessment in a manner consistent with the American Society of Testing and Materials standard for a Phase I ESA and the Minnesota Pollution Control Agency Voluntary Investigation and Cleanup Program Guidance Document #8.
- Conduct a visual (existing structures) assessment for typical suspect asbestos containing materials (ACM).
- Assess the presence of PCBs at the subject site.



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- Collect and evaluate available historical information to determine if evidence exists indicating an existing release, a past release, or a material threat of a release of hazardous substances, hazardous materials or petroleum products to the Property.
- Other \_\_\_\_\_

### Phase II Environmental Investigation

- Prepare a workplan the Phase II Investigation in a manner consistent with the American Society of Testing and Materials standard for a Phase I ESA and the Minnesota Pollution Control Agency Voluntary Investigation and Cleanup Program Guidance Document #11 to determine if potential sources of contamination identified during the Phase I Investigation are causing a release or threatened release of hazardous substances, contaminants or pollutants to the soil, surface water and ground water on the property in question.
- Prepare a site safety and contingency plan in a manner consistent with the American Society of Testing and Materials standard for a Phase I ESA and the Minnesota Pollution Control Agency Voluntary Investigation and Cleanup Program Guidance Document #10.
- Conduct Phase II Environmental Investigation in accordance with approved work plan and in a manner consistent with the American Society of Testing and Materials standard for a Phase I ESA and the Minnesota Pollution Control Agency Voluntary Investigation and Cleanup Program Guidance Documents.
- Other \_\_\_\_\_

### Remediation Services

- Prepare and, upon approval, implement the Response Action Plan (RAP) and in a manner consistent with the American Society of Testing and Materials standard for a Phase I ESA and the Minnesota Pollution Control Agency Voluntary Investigation and Cleanup Program Guidance Documents.
- Following completion of the RAP, prepare an Implementation Report for submission to the MPCA for review and approval in a manner consistent with the American Society of Testing and Materials standard for a Phase I ESA and the Minnesota Pollution Control Agency Voluntary Investigation and Cleanup Program Guidance Documents.
- Other \_\_\_\_\_

Comments:



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
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**LEGAL DOCUMENTS**

**STATE OF MINNESOTA  
AFFIDAVIT OF NONCOLLUSION**

Firm Name: Construction Engineering Laboratory, Inc.

I swear (or affirm) under the penalty of perjury:

1. That I am the Responder (if the Responder is an individual), a partner in the company (if the Responder is a partnership), or an officer or employee of the responding corporation having authority to sign on its behalf (if the Responder is a corporation);
2. That the attached proposal, including fees when required to be part of the proposal, submitted in response to the Request for Proposals for above-referenced project has been arrived at by the Responder independently and has been submitted without collusion with and without any agreement, understanding or planned common course of action with, any other Responder of materials, supplies, equipment or services described in the Request for Proposal, designed to limit fair and open competition;
3. That the contents of the proposal have not been communicated by the Responder or its employees or agents to any person not an employee or agent of the Responder and will not be communicated to any such persons prior to the official opening of the proposals; and
4. That I am fully informed regarding the accuracy of the statements made in this affidavit.

Responder's Firm Name: Construction Engineering Laboratory, Inc.

Authorized Signature: *P. Palanisami*

Date: December 11, 2009

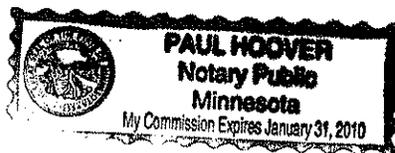
Subscribed and sworn to me this 11<sup>TH</sup> day of DECEMBER, 2009

Notary Public

*Paul Hoover*

My commission expires: 1/31/2010

(Rev. 12/00)





# CONSTRUCTION ENGINEERING LABORATORY, INC.

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## State Of Minnesota – Affirmative Action Certification

**BOX A – For companies which have employed more than 40 full-time employees within Minnesota on any single working day during the previous 12 months. All other companies proceed to BOX B.**

Your response will be rejected unless your business:

has a current Certificate of Compliance issued by the Minnesota Department of Human Rights (MDHR) ~~–or–~~ has submitted an affirmative action plan to the MDHR, which the Department received prior to the date and time the responses are due.

Check one of the following statements if you have employed more than 40 full-time employees in Minnesota on any single working day during the previous 12 months:

- We have a current Certificate of Compliance issued by the MDHR. **Proceed to BOX C. Include a copy of your certificate with your response.**
- We do not have a current Certificate of Compliance. However, we submitted an Affirmative Action Plan to the MDHR for approval, which the Department received on \_\_\_\_\_ (date). [If the date is the same as the response due date, indicate the time your plan was received: \_\_\_\_\_ (time). **Proceed to BOX C.**
- We do not have a Certificate of Compliance, nor has the MDHR received an Affirmative Action Plan from our company. **We acknowledge that our response will be rejected. Proceed to BOX C. Contact the Minnesota Department of Human Rights for assistance.** (See below for contact information.)

**Please note:** Certificates of Compliance must be issued by the Minnesota Department of Human Rights. Affirmative Action Plans approved by the Federal government, a county, or a municipality must still be received, reviewed, and approved by the Minnesota Department of Human Rights before a certificate can be issued.

### **BOX B – For those companies not described in BOX A**

Check below.

- We have not employed more than 40 full-time employees on any single working day in Minnesota within the previous 12 months. **Proceed to BOX C.**

### **BOX C – For all companies**

By signing this statement, you certify that the information provided is accurate and that you are authorized to sign on behalf of the responder. You also certify that you are in compliance with federal affirmative action requirements that may apply to your company. (These requirements are generally triggered only by participating as a prime or subcontractor on federal projects or contracts. Contractors are alerted to these requirements by the federal government.)

Name of Company: Construction Engineering Laboratory, Inc. Date December 11, 2009

Authorized Signature:  Telephone number: (763) 533-9534

Printed Name: P. Palanisami Title: President



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
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**STATE OF MINNESOTA**  
**LOCATION OF SERVICE DISCLOSURE AND CERTIFICATION**  
**LOCATION OF SERVICE DISCLOSURE**

**Check all that apply:**

- The services to be performed under the anticipated contract as specified in our proposal will be performed ENTIRELY within the State of Minnesota.
- The services to be performed under the anticipated contract as specified in our proposal entail work ENTIRELY within another state within the United States.
- The services to be performed under the anticipated contract as specified in our proposal will be performed in part within Minnesota and in part within another state or states within the United States.
- The services to be performed under the anticipated contract as specified in our proposal DO involve work outside the United States. Below (or attached) is a description of
  - (1) the identity of the company (identify if subcontractor) performing services outside the United States;
 

N/A \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_
  - (2) the location where services under the contract will be performed; \_\_\_\_\_
 

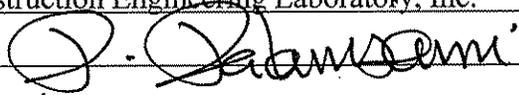
N/A \_\_\_\_\_

\_\_\_\_\_
  - (3) the percentage of work (in dollars) as compared to the whole that will be conducted in each identified foreign location. N/A \_\_\_\_\_
- Attachment enclosed at (state where): N/A \_\_\_\_\_

**CERTIFICATION**

By signing this statement, I certify that the information provided above is accurate and that the location where services have been indicated to be performed will not change during the course of the contract without prior, written approval from the State of Minnesota.

Name of Company: Construction Engineering Laboratory, Inc.

Authorized Signature: 

Printed Name: P. Palanisami

Title: President

Date: December 11, 2009 Telephone Number: (763) 533-9534



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
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**IMMIGRATION STATUS:** See Attachments to Legal Documents.

**INSURANCE CERTIFICATE:** See Attachments to Legal Documents.

**TARGETED GROUP AND ECONOMICALLY DISADVANTAGED BUSINESS AND INDIVIDUALS (TG/ED) CERTIFICATE:** See Attachments to Legal Documents.

**CONFLICTS OF INTEREST:** There are no entities with which we have a relationship with that create, or appear to create, a conflict of interest with the work that is contemplated in the RFP.

**CORPORATE RESOLUTION:** See Attachments to Legal Documents.

**ORGANIZATIONAL CONFLICT OF INTEREST:** There are no relevant facts or circumstances that could give rise to organizational conflicts of interest.

**VETERAN-OWNED/SERVICE-DISABLED VETERAN-OWNED PREFERENCE:** N/A

**CERTIFICATION REGARDING LOBBYING:** See Attachments to Legal Documents.



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
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**QUALIFICATIONS**

Project experiences and references.

**Geotechnical Services**

1. Project Title: *United / Children's Hospital Expansion, St. Paul, MN*  
Scope: The project is a new six story, concrete frame building being built in the ground previously occupied by driveways, green area and a one story ambulance/emergency department building. The project also includes relocation of a helicopter landing pad on the roof of an existing building, heated driveways and sidewalks, and a skyway. Existing storm sewer drifts and funnel interfered with columns and have to be filled with concrete. The tower structure is poured in place concrete pan joist construction. The foundation for the future skyway between the tower and the future children's entry building is included to avoid excavating below heated drive lanes. Construction cost is approximately \$80 million.

Services: CEL has completed six soil borings beyond the bedrock and has prepared a written report for foundation design and earthwork. The geotechnical report was also based on the review of the available adjacent soil boring data done by others.

CEL conducted lab and field tests for quality and conformance on soil, concrete and verified reinforcing bar placement in field. CEL verified Limestone Bedrock, which was a visual observation, and soil conditions for construction. We also conducted tunnel verifications and as of December 3, 2009, 184 sets of concrete cylinders have been cast. Concrete work is on-going and we will conduct tests on grout, mortar, soil, aggregate and bituminous, as required. As of December 3, 2009, 35 Reinforced Concrete Special Inspections have been completed. Concrete reinforcing work is on-going and as of December 3, 2009, two Steel Inspections have been completed. More steel work is to come. CEL will conduct Reinforced Masonry Special Inspections and Steel Inspections, as required.

Dates started and completed: January 2009 – Present  
Client's company name: United Hospital, Inc.  
Client's address: 333 North Smith Avenue, St. Paul, MN 55102  
Client's contact person & title: Richard Schreiner, Director of Facilities  
Client's telephone no.: (651) 220-8000  
Client's fax no.: (651) 223-2282



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2. Project Title: *Anoka Ramsey Community College, Studio Arts Building, Coon Rapids, MN*  
Scope: The project consists of a two level addition, about 25' wide and 75' long building, between the two wings of the existing buildings. The foundation is poured in place concrete spread footings, strip perimeter footings and concrete slab-on-grade. Structural framing consists of poured concrete walls at the perimeter, below grade foundation walls, and intermediate masonry walls with brick veneer. The intermediate floor system consists of concrete composite slab. The above grade Concrete Masonry Unit (CMU) walls support the roof constructed of steel deck and steel joists. Construction cost approximately \$8 million.

Services: CEL has completed six soil borings and has prepared the geotechnical report. Based on the data found, CEL recommended foundation, pavement, back filling and use of on-site material. CEL's report was a part of the project documents.

CEL conducted lab and field tests for quality and conformance on soil, concrete and grout. We verified soil conditions for construction with 8 Portable DCP Tests and 12 Field Compaction Tests. Cast 17 sets of concrete cylinders, 4 grout samples and 2 mortar samples. Steel Inspections were also completed by CEL. We have completed Reinforced Concrete Special Inspections and Reinforced Masonry Special Inspections. We also completed special inspections and testing for bituminous civil site work and for a retaining wall.

Dates started and completed: June 2009 – Present  
Client's company name: Anoka Ramsey Community College  
Client's address: 11200 Mississippi Blvd, Coon Rapids, MN 55433  
Client's contact person & title: Roger Freeman, Director of Facilities  
Client's telephone no.: (763) 433-1378  
Client's fax no.: (763) 433-1211



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
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3. Project Title: *Ellipse at Excelsior, St. Louis Park, MN*  
Scope: The project is a new construction of a 241,000 sq. ft., 5 levels, 133 unit apartment building with a sub-level 177 stall garage. The building is constructed of strip perimeter and spread pad footings, slab-on-grade concrete, precast columns, CMU walls and pilasters, 2 level precast plank floors and CMU foundation walls with wood framing above. Construction cost is approximately \$15-20 million.
- Services: CEL conducted lab and field tests for quality and conformance on soil, concrete and grout. We monitored a 20' soil correction and routing of street utilities for this project. The soil conditions were verified for construction with 76 Portable DCP Tests and 166 Field Compaction Tests. We had cast 33 sets of concrete cylinders and 8 grout samples. Up-coming services include: Grout testing and Steel Inspections. CEL completed the Geotechnical Report prior to construction. Reinforced Concrete Special Inspections and Reinforced Masonry Special Inspections were completed by CEL. We also conducted Vibration Monitoring during Sheet Pile Operations.
- Dates started and completed: July 2009 – Present  
Client's company name: Frana & Sons, Inc.  
Client's address: 633 Second Street, Hopkins, MN 55343  
Client's contact person & title: Mike Benedict, Vice President  
Client's telephone no.: (952) 908-2664  
Client's fax no.: (952) 935-8644
4. Project Title: *Hilton Homewood Suites, New Brighton, MN*  
Scope: The project included new construction of a 95,700 sq. ft., five story, 124 room hotel building. The structural system consists of load bearing masonry wall and precast slab for intermediate floor. The new hotel building load is transferred to the soil below by simple spread foundation after soil correction extending up to fifteen feet. Construction cost is approximately \$10 million.
- Services: CEL conducted lab and field tests for quality and conformance on concrete, masonry, and bituminous. We verified rebar for concrete pour and cast 25 sets of concrete cylinders and 10 sets of mortar and grout cylinders. CEL coordinated environmental issues with sub-consultant, Wenck Associates, and removed the contaminated soil and monitored the soil correction up to sixteen feet. CEL recommended that the concrete debris be crushed on-site and reused for backfill.
- Dates started and completed: December 2008 – Present  
Client's company name: HSNB, LLC  
Client's address: 103-15<sup>th</sup> Avenue NW #200, Willmar, MN 56201  
Client's contact person & title: Mr. Tom Torgerson, Owner  
Client's telephone no.: (320) 235-7207  
Client's fax no.: (320) 235-5563



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5. Project Title: *Minnesota Technology Center, Minneapolis, MN*  
Scope: The project included construction of a 100,000 sq. ft., three-story addition to the south side of the existing building. In addition, a new four level, 362-car parking structure was constructed over the east side of the property. The structural system for both structures consists of a post-tensioned slab and beam system supported over cast-in-place concrete columns. Construction cost was approximately \$10 million.

Services: CEL has completed six soil borings and prepared the geotechnical report. Based on the soil boring data, CEL recommended the foundation, pavement, back filling and use of on-site material. CEL's report was a part of the project documents.

CEL conducted lab and field tests for quality and conformance on concrete, masonry, and bituminous. We verified rebar for concrete pour and cast 160 sets of concrete cylinders and 7 sets of mortar and grout cylinders. CEL completed geotechnical borings and filed a report with recommendations for design and construction, coordinated environmental geotechnical review of on-site conditions, conducted Windsor Probe tests on post-tensioned slabs and performed compressive strength testing of cylinders as per client requests.

Dates started and completed: March, 2001 – December, 2001  
Client's company name: Timeshare Systems, Inc.  
Client's address: 511 – 11<sup>th</sup> Avenue South - #257, Minneapolis, MN 55415  
Client's contact person & title: Mr. Basant Kharbanda, Owner  
Client's telephone no.: (612) 332-2071  
Client's fax no.: (612) 332-2249



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
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**Concrete Testing and Inspection Services**

1. Project Title: *Hiawatha Maintenance Facility, Minneapolis, MN*

Scope: New construction, following selective demolition and site preparation, of a 115' by 189', 2 level office and maintenance building. The building included a 54' by 90' materials bin, parking bays and rain garden. Concrete and bituminous site paving were also included. The floors consisted of slab-on-grade, trench drains and PC slabs, which were supported by masonry pilasters at the second level. The framing consisted of CMU and PC wall panels. Steel joist framing and welded metal deck at the roof. Construction cost is approximately \$5-7 million.

Services: CEL conducted lab and field tests for quality and conformance on soil, concrete and grout. Testing of rain garden bio-filter media was also provided by CEL. We verified soil conditions for construction with a Portable DCP Test and 222 Field Compaction Tests. Cast 46 sets of concrete cylinders and 3 grout samples. Steel Inspections were also completed. Sub-base and base compaction has been verified for paving using role tests. Bituminous compaction has been verified with 189 field densities. Up-coming Services: Steel Inspection and Bituminous field compaction. Reinforced Concrete Special Inspections and Reinforced Masonry Special Inspections were completed. We verified the flexural strength of an existing wooden beam by testing similar material.

Dates started and completed: May 2009 – Present  
Client's company name: City of Minneapolis, Public Works & Property Services  
Client's address: 350 south 5<sup>th</sup> St. #223, Minneapolis, MN 55411  
Client's contact person & title: Paul D. Miller, Senior Project Manager  
Client's telephone no.: (612) 673-3603  
Client's fax no.: (612) 334-1662

2. Project Title: *Maple Grove Ice Arena Addition, Maple Grove, MN*

Scope: New construction of a 213'x112', 43,650 sq. ft. addition to the existing facility to house a NHL size ice rink. This facility provides seating for 340 people, service areas, concession areas, a lobby, team rooms and training rooms. Construction consists of concrete spread footings, slab-on-grade and masonry walls. The 8,359 sq. ft. mezzanine is constructed of pre-cast concrete plank floor with concrete topping. The roof is constructed of long-span joists with a metal deck.

Services: CEL conducted lab and field tests for quality and conformance on soil, concrete, welded and bolted structural steel connections. CEL verified soil conditions for construction and tested concrete. Cast 3 masonry grout boxes and 40 sets of concrete cylinders. Special inspections were completed on masonry reinforcing, concrete reinforcing and spray-applied fireproofing.

Dates started and completed: April 2008 – August 2008  
Client's company name: City of Maple Grove  
Client's address: 12951 Weaver Lake Road, Maple Grove, MN 55369  
Client's contact person & title: Frank Weber, Representative  
Client's telephone no.: (763) 494-6000  
Client's fax no.: (763) 494-6454



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3. Project Title: *Van Cleve Apartments East, Minneapolis, MN*

Scope: New construction of a three level apartment structure with an underground parking level. The 114'x183' building contained 35 residential units with a concrete slab-on-grade floor over concrete spread footings and strip footings on the perimeter. The grade level floor consists of pre-cast concrete planks held by pre-cast columns and beams. The upper levels consisted of wood truss construction with a concrete topping. The parking area consists of bituminous paving and concrete curb and gutter.

Services: CEL conducted lab and field tests for quality and conformance on soil, aggregate, concrete and bituminous paving. CEL verified soil conditions for construction and tested concrete. The soil observation included sand cones for 3' of soil correction in civil site work. Cast 30 sets of concrete cylinders. We checked soil temperature and checked for signs of frost at depths of 36" below sub-grade. Observations were conducted for roll tests on sub-grade and checked the base compaction using the penetration index method by DCP in parking areas.

Dates started and completed: March 2007 – September 2008  
Client's company name: Project for Pride in Living, Inc.  
Client's address: 1035 East Franklin Avenue, Minneapolis, MN 55404  
Client's contact person & title: Sarah Larson, Representative  
Client's telephone no.: (612) 455-5100  
Client's fax no.: (612) 455-5101

**Masonry Testing and Inspection Services**

1. Project Title: *Nine Mile Creek Catered Living, Bloomington, MN*

Scope: New construction of a 71 stall, underground parking garage, 400' x 71', and a 4 level apartment building above. Construction consisted of soil corrections for foundations and utility trenches, footings, CMU foundation walls, precast plank first level, wood framing above and a perimeter sidewalk. Construction cost is approximately \$12-15 million.

Services: CEL conducted lab and field tests for quality and conformance on soil, concrete, grout and masonry. Verified soil conditions for construction with 19 Portable DCP Tests and 51 Field Compaction Tests. Cast 8 sets of concrete cylinders, 3 grout samples and 1 mortar sample. Reinforced Concrete Special Inspections and Reinforced Masonry Special Inspections were completed.

Dates started and completed: April 2009 – Present  
Client's company name: Frana & Sons, Inc.  
Client's address: 633 Second Street, Hopkins, MN 55343  
Client's contact person & title: Robert Mariott Jr., Representative  
Client's telephone no.: (952) 935-8600  
Client's fax no.: (952) 935-8644



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2. Project Title: *Trail's Edge Townhomes, Maplewood, MN*

Scope: New construction of a corner parcel with 11 total, wood framed, two level, 4 and 6 unit residential buildings. The project also included a small community center, storage shed, roadways, signage, curbs, and utility lines. Construction was of concrete strip footings on the perimeter, slab-on-grade, grouted Concrete Masonry Unit (CMU) foundations and wood framing above. The roof was constructed of wood trusses.

Services: CEL conducted lab and field tests for quality and conformance on soil, concrete and masonry. We verified soil conditions for construction and tested concrete. Cast 4 masonry grout boxes and 24 sets of concrete cylinders. Special inspections were completed on masonry reinforcing and concrete reinforcing.

Dates started and completed: June 2008 – October 2008  
Client's company name: Frerichs Construction Company  
Client's address: 3550 Labore Road #10, St. Paul, MN 55110  
Client's contact person & title: Ben Matson, Representative  
Client's telephone no.: (651) 787-0687  
Client's fax no.: (651) 787-0407

3. Project Title: *Centennial House, Apple Valley, MN*

Scope: New construction of 14,521 sq. ft., single level, L-shaped building. Foundation consists of concrete spread footings, concrete strip footings and concrete slab-on-grade. Walls and roof are of wood frame construction.

Services: CEL conducted lab and field tests for quality and conformance on soil, concrete and masonry. We verified soil conditions for construction and tested concrete. Cast a grout sample and 5 sets of concrete cylinders. Special inspections were completed on concrete reinforcing.

Dates started and completed: September 2008 – November 2008  
Client's company name: Adolfson & Peterson, Inc.  
Client's address: 6701 West 23<sup>rd</sup> Street, St. Louis Park, MN 55426  
Client's contact person & title: Brian Goodwin, Representative  
Client's telephone no.: (952) 544-1561  
Client's fax no.: (952) 525-2333



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
**TESTING FOR QUALITY AND STRENGTH**

4. Project Title: *Spectrum Commerce Center, Eagan, MN*  
Scope: New construction of a 350,000 sq. ft., two-story office and warehouse building with a second level parking deck (1880 car capacity) and a standard built-up roof overhead. Some of the building components used was recycled from the MSP Airport Auto Rental ramp. A portion of the building contained an excavated basement designed for flight simulator training. The structural system consisted of a slab-on-grade over most of the first level. The second level contained precast double tee's resting over precast and cast-in-place columns. The foundation system was designed to resist a minimum bearing pressure of 6000 PSF. A significant amount of light and heavy duty Portland cement concrete and asphalt concrete was placed for the parking and drive areas. Construction cost approximately \$18 Million.

Services: CEL conducted lab and field tests for quality and conformance on soil, concrete, masonry, mortar and bituminous. CEL provided soil borings and prepared a written report for foundation design and earthwork. We conducted full-time grading and soil correction monitoring. CEL provided footing approval and compaction monitoring. CEL provided steel inspections and weld testing. CEL conducted special inspection of rebar placement for the City of Eagan. CEL monitored the placement and compaction of 150,000 cubic yards of soil.

Dates started and completed: May 2001 – May 2003  
Client's company name: Parking Associates, LLC  
Client's address: 1000 Blue Gentian Road, Eagan, MN 55121  
Client's contact person & title: Rick Morphew, Representative  
Client's telephone no.: (651) 675-0500  
Client's fax no.: (651) 675-2290



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
**TESTING FOR QUALITY AND STRENGTH**

**Structural Steel Testing and Inspection**

1. Project Title: *The Classic at the Preserve – Phase III, Woodbury, MN*

Scope: New construction of two 393'x65', four level, wood-framed apartment buildings. The site is sloped from front to back. Foundation consists of Cast-In-Place (CIP) retaining walls and CIP concrete foundation walls. The basement floor is a concrete slab-on-grade. Second floor is precast concrete.

Services: CEL conducted lab and field tests for quality and conformance on soil, concrete, masonry, welded and bolted structural steel connections. CEL verified soil conditions for construction and tested concrete. Cast 3 masonry grout samples and 64 sets of concrete cylinders. Special inspections were completed on concrete and masonry reinforcing.

Dates started and completed: August 2008 – June 2009

Client's company name: Frana & Sons, Inc.

Client's address: 633 Second Ave. South, Hopkins, MN 55343

Client's contact person & title: Justin Noah, Representative

Client's telephone no.: (952) 935-8600

Client's fax no.: (952) 935-8644

2. Project Title: *Apple Valley New Senior Center, Apple Valley, MN*

Scope: Renovation of an existing senior center to include 180'x97', two level, multi-purpose building with an assembly room, offices and kitchen. Foundation consists of concrete spread footings, concrete strip footings, CIP piers, CMU piers and concrete slab-on-grade. Second floor is CIP concrete on a steel frame. Exterior walls are CMU construction. Roof is constructed of a metal deck placed on steel joists. Over 500 cubic yards of borrow were imported for soil correction and site build-up.

Services: CEL conducted lab and field tests for quality and conformance on soil, concrete, welded and bolted structural steel connections. We verified soil conditions for construction and tested concrete. Cast 5 sets of concrete cylinders. Special inspections were completed by CEL on concrete reinforcing.

Dates started and completed: August 2008 – February 2009

Client's company name: Bossardt Corporation

Client's address: 8585 West 78<sup>th</sup> Street, Edina, MN 55435

Client's contact person & title: Tom Ginter, Representative

Client's telephone no.: (952) 831-5408

Client's fax no.: (952) 831-1268



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
**TESTING FOR QUALITY AND STRENGTH**

3. Project Title: *Courtyard by Marriott, Arbor Lakes, Maple Grove, MN*  
Scope: The project included construction of a 68,670 sq. ft., four level, 115 room hotel building. Steel columns and framing beams shall hold three levels of hollow core pre-cast concrete planks with 2" of topping. Wood roof trusses along with a metal roof deck. The new hotel building load is transferred to the soil below by simple spread foundation after soil correction extending up to fifteen feet. Construction cost was approximately \$10 million.

Services: CEL conducted lab and field tests for quality and conformance on concrete, masonry, welded and bolted structural steel connections and bituminous paving. We verified soil conditions for construction, tested concrete, cast 16 sets of concrete cylinders and 6 sets of mortar and grout cylinders. Checked the soil temperatures and checked for signs of frost at depths of 18" below bottoms of footings. We conducted special inspections on reinforced concrete and masonry units. Observed roll tests on sub-grade in parking areas and verified compaction of parking lot bituminous by coring.

Dates started and completed: December 2006 – December 2007  
Client's company name: Shingobee Builders, Inc.  
Client's address: 669 North Medina Street, P.O. Box 8, Loretto, MN 55357  
Client's contact person & title: Lynn Christianson, Representative  
Client's telephone no.: (763) 479-1300  
Client's fax no.: (763) 479-3267

**Pavement Testing and Inspection**

1. Project Title: *Guardian Angels Park & Ride, Oakdale, MN*  
Scope: New construction of a Park & Ride area including: Parking lot, bus shelter, retaining wall, storm sewer, grading and paving.

Services: CEL conducted lab and field tests for quality and conformance on soil, concrete and bituminous. We verified soil conditions for construction and tested concrete. Cast 6 sets of concrete cylinders. CEL provided pavement design. No special inspections were required.

Dates started and completed: October 2008 – May 2009  
Client's company name: Weber Companies  
Client's address: 110 Franklyn Center, North St. Paul, MN 55109  
Client's contact person & title: Wade Hogan, Representative  
Client's telephone no.: (651) 770-5350  
Client's fax no.: (651) 770-5385



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
**TESTING FOR QUALITY AND STRENGTH**

2. Project Title: *Premier Pet Boarding Facility, Minneapolis, MN*  
Scope: New construction of two, 37'x32' and two 30'x32', single level kennels. Renovation of existing 12,000 sq. ft. building consisted of thickened slab under walls, concrete slab-on-grade, pre-cast concrete walls, pre-cast concrete roof, parking area for 120 cars with walks, drives, curbs and bituminous pavement.
- Services: CEL conducted lab and field tests for quality and conformance on soil, concrete, welded and bolted structural steel connections and bituminous paving. We verified soil conditions for construction and tested concrete. Cast 15 sets of concrete cylinders. Special inspections were completed on concrete reinforcing.
- Dates started and completed: September 2008 – December 2008  
Client's company name: Kraus Anderson Construction Company  
Client's address: 200 Grand Avenue, St. Paul, MN 55102  
Client's contact person & title: Christopher Kirchoff, Representative  
Client's telephone no.: (651) 291-7088  
Client's fax no.: (651) 290-6120
3. Project Title: *2000 Pavement Reconstruction - Phase I and II, Minneapolis/St. Paul International Airport*  
Scope: The project involves replacing the existing 185,300 sq. ft. of 12" - 18" thick apron within the airport terminals.
- Services: CEL provided on site field testing of concrete, air content, slump, unit weight and temperature. Field monitoring of concrete batch plant. Random concrete coring of completed apron testing for compliance. The project had a time restricted schedule and was in a restricted area. Weekend work was required.
- Dates started and completed: April, 2000 - October, 2000  
Client's company name: Metropolitan Airports Commission  
Client's address: Airport Development Department, 6040 - 28<sup>th</sup> Avenue S., Minneapolis, MN 55450-2799  
Client's contact person & title: Gary Warren, Airport Engineer  
Client's telephone no.: (612) 726-8100  
Client's fax no.: (612) 794-4407



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
**TESTING FOR QUALITY AND STRENGTH**

**Fireproofing / Firestopping Testing and Inspection**

1. **Project Title:** *The Clifton House, New Brighton, MN*

**Scope:** New construction of a 10,000 sq. ft., single level, six bed nursing facility. Site includes several paved parking areas for 65 cars. Soil correction required for footings and utility trenches. Constructions consisted of strip footings on the perimeter, concrete spread footings, steel reinforced concrete and masonry foundation piers, concrete slab-on-grade and poured curb and gutters.

**Services:** CEL conducted lab and field tests for quality and conformance on soil, concrete and masonry. We verified soil conditions for construction and tested concrete. Cast a masonry grout samples and 4 sets of concrete cylinders. Special inspections were completed on concrete reinforcing and spray-applied fireproofing.

**Dates started and completed:** September 2008 – December 2008

**Client's company name:** Shaw-Lundquist & Associates

**Client's address:** 2757 West Service Road, St. Paul, MN 55121

**Client's contact person & title:** Kevin Bohrer, Representative

**Client's telephone no.:** (651) 454-0670

**Client's fax no.:** (651) 454-7982

2. **Project Title:** *ARCC Courtyard Addition, Coon Rapids, MN*

**Scope:** The project is an 85'x134' building with a two level infill addition between the existing College Services building and Humanities building. Foundations consist of concrete spread footings, strip footings on the perimeter and concrete slab-on-grade. Structural framing is of steel columns, girder beams, CMU walls and a concrete composite second level deck. The roof is constructed of steel deck over steel joists.

**Services:** CEL conducted lab and field tests for quality and conformance on soil, concrete and on welded and bolted structural steel connections. We verified soil conditions for construction and tested concrete. Cast 19 sets of concrete cylinders. Special inspections were completed on concrete reinforcing and spray-applied fireproofing.

**Dates started and completed:** March 2008 – December 2008

**Client's company name:** Knight Inspections Services

**Client's address:** 840 Laurel Street South, Cambridge, MN 55008

**Client's contact person & title:** Steve Knight, Representative

**Client's telephone no.:** (763) 689-0324

**Client's fax no.:** (763) 689-6804



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
**TESTING FOR QUALITY AND STRENGTH**

3. Project Title: *Bentson Family Assisted Living and Shirley Chapman Sholom Home East, Saint Paul, MN*  
Scope: New construction of Shirley Chapman Sholom Home East, an 80-bed nursing home, the Bentson Family Assisted Living Residence with 60 apartments, a 10-bed hospice and vitality center with a therapeutic pool. Soil correction required on the site and followed by 300 caissons drilled about 15' to 20' into bedrock. The remaining foundation consists of concrete spread footings and perimeter foundation footings.

Services: CEL conducted lab and field tests for quality and conformance on soil, concrete, masonry and welded and bolted structural steel connections. We verified soil conditions for construction and tested concrete and had to cast 204 sets of concrete cylinders. We observed tendon layout and stressing of tendons for post-tensioned concrete slabs and the installation of 300 caissons. CEL also made rock evaluations. We monitored environmental corrections to contaminated ground water and soil conditions. Visual observations were done on EFIS applications. Special inspections were completed for concrete reinforcing and for spray applied fireproofing. Observations of roll tests were made on sub-grade and checked the base compaction using the penetration index method by DCP in parking areas.

Dates started and completed: May 2007 - October 2008  
Client's company name: Development Representation Associates, Ltd  
Client's address: 905 Jefferson Avenue, #301-5, Saint Paul, MN 55102  
Client's contact person & title: Jim Trucker, Owner's Representative  
Client's telephone no.: (651) 291-5663  
Client's fax no.: (651) 225-9373



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
TESTING FOR QUALITY AND STRENGTH

**ATTACHMENTS TO LEGAL DOCUMENTS**

1. Immigration Status Verification
2. Insurance Certification
3. Targeted Group And Economically Disadvantaged Business And Individuals (TG/ED)
4. Corporate Resolution
5. Certification Regarding Lobbying

**State of Minnesota — Immigration Status Certification**

By order of the Governor's Executive Order 08-01, vendors and subcontractors **MUST** certify compliance with the Immigration Reform and Control Act of 1986 (8 U.S.C. 1101 et seq.) and certify use of the *E-Verify* system established by the Department of Homeland Security.

*E-Verify* program information can be found at <http://www.dhs.gov/ximgtn/programs>.

If any response to a solicitation is or could be in excess of \$50,000, vendors and subcontractors must certify compliance with items 1 and 2 below. In addition, prior to the delivery of the product or initiation of services, vendors **MUST** obtain this certification from all subcontractors who will participate in the performance of the contract. All subcontractor certifications must be kept on file with the contract vendor and made available to the state upon request.

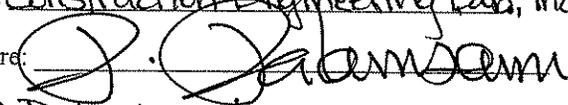
1. The company shown below is in compliance with the Immigration Reform and Control Act of 1986 in relation to all employees performing work in the United States and does not knowingly employ persons in violation of the United States immigration laws. The company shown below will obtain this certification from all subcontractors who will participate in the performance of this contract and maintain subcontractor certifications for inspection by the state if such inspection is requested; and

2. By the date of the delivery of the product and/or performance of services, the company shown below will have implemented or will be in the process of implementing the *E-Verify* program for all newly hired employees in the United States who will perform work on behalf of the State of Minnesota.

**I certify that the company shown below is in compliance with items 1 and 2 above and that I am authorized to sign on its behalf.**

Name of Company: Construction Engineering Lab, Inc.

Date: December 11, 2009

Authorized Signature: 

Telephone Number: 763-533-9586<sup>34</sup>

Printed Name: P. Palanisami

Title: President

If the contract vendor and/or the subcontractors are not in compliance with the Immigration Reform and Control Act, or knowingly employ persons in violation of the United States immigration laws, or have not begun or implemented the *E-Verify* program for all newly hired employees in support of the contract, the state reserves the right to determine what action it may take. This action could include, but would not be limited to cancellation of the contract, and/or suspending or debaring the contract vendor from state purchasing.

**For assistance with the *E-Verify* Program**

Contact the National Customer Service Center (NCSC) at **1-800-375-5283** (TTY 1-800-767-1833).

**For assistance with this form, contact:**

Mail: 112 Administration Bldg, 50 Sherburne Ave. St. Paul, MN 55155

E-mail: [MMDHelp.Line@state.mn.us](mailto:MMDHelp.Line@state.mn.us)

Telephone: 651.296.2600

Persons with a hearing or speech disability may contact us by dialing 711 or 1.800.627.3529



# CERTIFICATE OF LIABILITY INSURANCE

OP ID KS  
PALAN-2

DATE (MM/DD/YYYY)

12/09/09

<b>PRODUCER</b> Northern Capital Commercial Northern Capital Ins Gp dba P.O. Box 9396 Minneapolis MN 55440-9396 Phone: 952-996-8818 Fax: 952-829-0482	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.												
<b>INSURED</b>  Palanisami & Associates Inc. Constr Engineering Lab, Inc. 5661 International Parkway New Hope MN 55428	<table border="1"> <tr> <th>INSURERS AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A: Allied Insurance Co.</td> <td></td> </tr> <tr> <td>INSURER B: Westport Ins. Co.</td> <td></td> </tr> <tr> <td>INSURER C: Evanston Insurance Co.</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> </table>	INSURERS AFFORDING COVERAGE	NAIC #	INSURER A: Allied Insurance Co.		INSURER B: Westport Ins. Co.		INSURER C: Evanston Insurance Co.		INSURER D:		INSURER E:	
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INSURER D:													
INSURER E:													

**COVERAGES**

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR	ADD'L LTR	INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
A			<b>GENERAL LIABILITY</b>	7102474460	02/01/09	02/01/10	EACH OCCURRENCE	\$ 1,000,000
			<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
			<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				MED EXP (Any one person)	\$ 5,000
			<b>Elkt a.i. bp0006</b>				PERSONAL & ADV INJURY	\$ 1,000,000
			GENL AGGREGATE LIMIT APPLIES PER:				GENERAL AGGREGATE	\$ 2,000,000
			<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC				PRODUCTS - COMP/OP AGG	\$ 2,000,000
A			<b>AUTOMOBILE LIABILITY</b>	7102474460	02/01/09	02/01/10	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
			<input checked="" type="checkbox"/> ANY AUTO				BODILY INJURY (Per person)	\$
			<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per accident)	\$
			<input type="checkbox"/> SCHEDULED AUTOS				PROPERTY DAMAGE (Per accident)	\$
<input checked="" type="checkbox"/> HIRED AUTOS								
<input checked="" type="checkbox"/> NON-OWNED AUTOS								
			<b>GARAGE LIABILITY</b>				AUTO ONLY - EA ACCIDENT	\$
			<input type="checkbox"/> ANY AUTO				OTHER THAN AUTO ONLY: EA ACC	\$
							AGG	\$
A			<b>EXCESS / UMBRELLA LIABILITY</b>	7102474460	02/01/09	02/01/10	EACH OCCURRENCE	\$ 2,000,000
			<input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE				AGGREGATE	\$ 2,000,000
			<input type="checkbox"/> DEDUCTIBLE					\$
<input checked="" type="checkbox"/> RETENTION \$10,000		\$						
B			<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b>	WCX0032025	02/01/09	02/01/10	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER	
			ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)				E.L. EACH ACCIDENT	\$ 500,000
			If yes, describe under SPECIAL PROVISIONS below				E.L. DISEASE - EA EMPLOYEE	\$ 500,000
							E.L. DISEASE - POLICY LIMIT	\$ 500,000
C			<b>Professional Liab</b>	AE818153	10/01/09	10/01/10	Limit	\$ 2,000,000
			<b>Claims Made</b>				Ded	\$ 25,000

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS**  
 The Board of Trustees of the Minnesota State Colleges and Universities and its officers and members, to include the Project's College or University, the State of Minnesota, officers & employees of the State of Minnesota, the Architect and its agents are Additional Insured.

<b>CERTIFICATE HOLDER</b>  Minnesota State Colleges & Universities Construction & Support Serv. 30 Seventh Street East Ste 350 St. Paul, MN 55101-7804	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL <u>30</u> DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.  AUTHORIZED REPRESENTATIVE Josh Anderson
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December 3, 2008

Mr. P. Palanisami  
Construction Engineering Laboratory  
5661 International Parkway  
New Hope, MN 55428

Dear Mr. Palanisami:

Your recertification for continued participation in the Minnesota Small Business Procurement Program has been approved. Your business will continue to be listed in the directory of certified businesses as shown below. Your company was recertified on December 3, 2008.

CONSTRUCTION ENGINEERING LABORATORY  
5661 International Parkway  
New Hope, MN 55428  
State Vendor Number: 150152001 00

Minority Owned Business (A)  
P. Palanisami  
Phone: 763.533.9534  
Fax: 763.533.9586

Testing services for construction materials & methods, soil verification, soil corrective work, concrete testing, structural steel connection, non-destructive testing of welded connection, soil borings for geotechnical investigations.

Website: [www.palanisami.com](http://www.palanisami.com)  
NAICS Codes: 541380

You are required to notify this office in writing of any and all changes in your business which could affect your eligibility for this program within thirty days of such change. Please also notify this office of any changes in address, telephone number, product line or services, etc. Your certification is valid until rescinded by this office. You may be asked to verify and update information on file at any time.

If you have any questions or need assistance regarding the Administration Department Small Business Procurement Program, please feel free to call me at 651.201.2428.

Sincerely,

Wendy VanKuyk  
Vendor Management Specialist  
Customer & Vendor Services  
Minnesota Small Business Procurement Program

112 Administration Building / 50 Sherburne Avenue / St. Paul, MN 55155  
Phone: 651.201.2428 / Fax: 651.297.3996 / Email: [Wendy.VanKuyk@state.mn.us](mailto:Wendy.VanKuyk@state.mn.us)  
Persons with a hearing or speech disability may contact us by calling Minnesota Relay at 711

*The Department of Administration is an Equal Opportunity Employer*

RESOLUTION NO. 10

WHEREAS, P. Palanisami has rendered certain services on behalf of Construction Engineering Laboratory, Inc. in order to form said corporation,

WHEREAS, the fair market value of those services, as agreed upon by the Board of Directors, is \$5,000,

WHEREAS, P. Palanisami has offered to purchase 100,000 shares of common stock of this corporation for \$5,000,

NOW, THEREFORE, be it resolved that in the determination of the Board of Directors the fair market value of 100,000 shares of the stock of this corporation is \$5,000 and this corporation hereby accepts the offer of P. Palanisami.

RESOLUTION NO. 11

RESOLVED, that the Chief Executive Officer be and hereby is authorized and directed to accept said offers of P. Palanisami on behalf of this corporation,

FURTHER RESOLVED, that the Chief Executive Officer of this corporation execute and deliver to P. Palanisami a certificate or certificates evidencing 2,500 shares of the common stock of this corporation.

RESOLUTION NO. 12

RESOLVED, that the Chief Executive Officer of this corporation be and is hereby authorized and directed to carry out the terms of the foregoing Resolutions.



P. Palanisami, Sole Member of  
Board of Directors of  
Construction Engineering Laboratory, Inc.

\* \* \* \* \*

These Bylaws were adopted as and for the Bylaws of Construction Engineering Laboratory, Inc., a Minnesota corporation, by the Board of Directors by written resolution dated the First day of June, 1988.

  
P. Palanisami, Sole Member of  
Board of Directors of Construction  
Engineering Laboratory, Inc.

**CERTIFICATION REGARDING LOBBYING**  
For State of Minnesota Contracts and Grants over \$100,000

The undersigned certifies, to the best of his or her knowledge and belief that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, A Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, Disclosure Form to Report Lobbying in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Construction Engineering Lab, Inc  
Organization Name

P. Palanisami President  
Name and Title of Official Signing for Organization

By: P. Palanisami  
Signature of Official

Dec 11, 2009  
Date



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
 TESTING FOR QUALITY AND STRENGTH  
 (Rates for the year of 2010)

**FEE SCHEDULE FOR TESTING AND INSPECTIONS MASTER CONTRACT**

**PROFESSIONAL ENGINEERING SERVICES**

Principal Engineer, P.E.	\$112.50/hour
Project Engineer, P.E./Mgr	\$106.50/hour
Assistant Project Manager/Engineer/ Non-Reg.	\$72.00/hour
Drafting/AutoCAD	\$62.50/hour
Non-Destructive Testing Technician	\$62.00/hour
Testing Technician	\$51.00/hour
Secretary/Word Processor	\$43.00/hour

Charges for the above personnel will be made for the time spent in the field, in consultation, in preparation of reports and in travel to and from the job site. Expenses will be added to all hourly rates.

**SOIL**

Water Content ASTM D2216	\$ 18.00/each
Liquid Limit ASTM D4318	\$ 39.00/each
Plastic Limit ASTM D4318	\$ 39.00/each
Shrinkage Limit ASTM D4318	\$ 39.00/each
Specific Gravity ASTM D854	\$ 67.00/each
Organic Content ASTM D2974	\$ 67.00/each
PH by Meter ASTM D2976	\$ 13.00/each
Sieve Analysis, inc. Hydrometer ASTM D422	\$ 95.00/each
Relative Density of Sandy Soil ASTM D254	\$ 80.00/each
Standard Proctor Comp. Test ASTM D698	\$ 89.00/each
Modified Proctor Comp. Test ASTM D1557	\$112.00/each
Laboratory CBR ASTM D1883	\$312.00/each
Permeability of Granular ASTM D2434	\$239.00/each

**AGGREGATES**

AGGREGATE GRADATION/SIEVE ANALYSIS ASTM C136 EXCLUDING #200 SIEVE	\$ 70.00/each
Fine Aggregate	\$ 76.00/each
Coarse Aggregate	
AGGREGATE GRADATION/SIEVE ANALYSIS ASTM C136 INCLUDING #200 SIEVE	\$ 73.50/each
Fine Aggregate	\$ 76.00/each
Coarse Aggregate	
DELETERIOUS MATERIAL	\$112.50/each
Coarse Aggregate MnDOT 3131	\$ 78.00/each
Fine Aggregate MnDOT 3126	
SPECIFIC GRAVITY & ABSORPTION	\$ 56.00/each
Coarse Aggregate ASTM C127	\$ 56.00/each
Fine Aggregate ASTM C128	
UNIT WEIGHT	\$ 45.50/each
Coarse Aggregate ASTM C29	\$ 39.00/each
Fine Aggregate ASTM C29	
SOUNDNESS OF AGGREGATE, SODIUM SULPHATE OR	



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
**TESTING FOR QUALITY AND STRENGTH**  
 (Rates for the year of 2010)

MAGNESIUM SULPHATE ASTM C88	\$225.00/each
Coarse Aggregate/50 pcs of rock 100 gm.	\$196.50/each
Fine Aggregates	
*For more than 5 cycles, add \$15.00/each.	
Freeze/thaw of coarse aggregates (16 cycles)	\$338.00/each
Los Angeles Rattler ASTM C131	\$156.00/each
Sample Collection	Hourly
Aggregate Gradation, including finer than #200. ASTM C136 & ASTM C117.	\$ 70.00/each
Fine Bituminous Aggregate ASTM C128	\$ 56.00/each
Coarse Aggregate ASTM C127	\$ 56.00/each
Laboratory Mix Design (does not include)	
Marshall Density/stability/flow per ASTM D1559	\$286.00/set of 3
Marshall Density Only ASTM D1559	\$198.00/set of 3
Core Density- submitted samples ASTM D2726	\$ 30.00/each
Thickness Only ASTM D3549	\$ 18.50/each
Max. Specific Grav. ASTM D2041(Rice Density)	\$ 65.00/each
Bituminous Extraction and Mechanical Analysis	\$238.50/each
Aggregate ASTM D2172, C136 and C117	
Extraction Only	\$187.00/each
Coring (including core cutter & technician)	\$125.00/hour
Observ. of bitumin production/placement, inc. observ. at plant of mat. and batch weights or calibration; observ. at project site & taking mix samples. Technician, mileage and equipment. Per Quote	
<b>CONCRETE</b>	
<b>MIX DESIGN</b>	
Theoretical ACI 211	\$145/50/each
<b>TRIAL MIX</b>	
Laboratory Batch	\$312.00/each
Casting, Curing & Testing	\$ 29.00/each
(6" x 12" cylinder ASTM C192, ASTM C39)	
Casting, Curing & Testing	\$ 71.00/each
(6"x6"x18" beam ASTM C192, C293 or C78)	
<b>FIELD AND LAB TESTS</b>	
Inspection of Concrete Placement, including checking slump, air temperature, unit weight and casting cylinder, beam (mold cost extra. (field facility, water, shelter, light, heat to be supplied).	Hourly Rate
Cost of Plastic Mold	\$ 2.00/each
Cost of Case of 20 Molds	\$ 30.00/each
Cylinder Pick Up	\$ 52.00/per stop
Holidays & Weekends	\$ 68.00/per stop
Concrete Cylinder Break / Hold ASTM C39	\$ 13.75/each
Accelerated Curing & Testing ASTM C684	\$ 39.00/each
Curing, Testing Concrete Beam (ASTM C293 or ASTM C78)	\$ 49.50/each
Split Tensile Test ASTM C496	\$ 45.25/each



**CONSTRUCTION ENGINEERING LABORATORY, INC.**  
**TESTING FOR QUALITY AND STRENGTH**  
 (Rates for the year of 2010)

Modules of Elasticity (set of 2) ASTM C469	\$ 583.00/set
Comp. Strength of Concrete Core ASTM C42	\$ 33.50/each
Coring (Including Core Cutter & Technician)	Hourly
Rebar Location	Hourly
Chloride Sampling	Hourly
Concrete Hammer Test ASTM C805	Hourly +\$23 needle
Windsor Probe ASTM C803	\$52.00/each
Water Soluble Chloride Content	

**MASONRY**

Aggregate for Masonry Mortar ASTM C144	\$56.00/each
Mortar Design ASTM C270, 7 and 28 day (Compressive Strength, including water retention)	\$395.00/each
Curing and Testing 3 x 6 Cylinder ASTM C780 (7 and 28 day)	\$18.50/ea.
Curing and Testing 2" cube ASTM C109 (7 and 28 day)	\$18.50/per cyl.
Masonry Unit For Comp. of ASTM C90 (Test per ASTM C140), including dimensional, comp . strength, absorption, moisture and voids) (Set of 3 blocks)	\$196.50/each set
Masonry Unit-Comp. Strength ASTM C140	\$ 30.50/each
Masonry Unit Moisture ASTM C140	\$ 23.00/each
Grout Prism ASTM C1019	\$ 19.00/each
Block Prism two high laboratory fabrication and testing ASTM E447	\$189.50/each
Block Prism two high test at lab ASTM E447	\$125.00/each

**TESTING OF BRICK**

51450. Test for Compliance for dimen, comp, absorption, saturation & efflorescence ASTM C62 (Test per ASTM C67)	\$383.00/each set
Compression Only ASTM C67	\$ 95.50/each set
Efflorescence ASTM C67	\$106.00 each set
Absorption & Saturation Coff. ASTM C67.	\$ 95.00/each set
Initial Rate of Absorption ASTM C67 (5)	\$106.00/each set
Freeze/Thaw Test 50 Cycles ASTM C67 (five specimens)	\$517.00/each set

**STEEL**

Visual observ. of steel fabrication to determine conformance with approved plans & specif.	Hourly
Visual observation of welds and bolted structures	Hourly
Ultrasonic Testing	Hourly

**WOOD**

Moisture using moisture meter	Hourly
Determination of Fiber Stress in bending, (modulus of elasticity)	\$535.00/set of 3



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**FIELD OBSERVATIONS**

Earthwork observation, including portable hand penetrometer tests.	Hourly
Compaction Control Tests, including field density tests, by sandcone or nuclear.	Hourly
Caisson Installation, Observ. & Documentation	Hourly
Pile driving monitoring, including maintaining driving log report.	Hourly
Pile Load Test/Dynamic Monitoring	Per Quote
Field CBR/Plate Load Test	Per Quote
Soil Boring & Geotechnical Report	Per Quote

**GEOTECHNICAL**

Drill Rig Mobilization (Within 50-Miles)	\$500.00
(Beyond 50-Miles)	\$500.00 + \$3/mile
Coordination for Gopher One Clearance	\$260.00
Bore Hole Marking & Elevation	\$150.00/hr.
Drilling & Sand Sampling - 0' – 20'	\$14.00/ft.
Drilling & Sand Sampling - 20' – 40'	\$16.00/ft.
Drilling & Sand Sampling - 40' – 80'	\$18.00/ft.
Backfilling with Grout	\$ 2.75/ft.
Rock Coring	\$92.00/ft.
Obstruction Standby Time	\$145.00/hr.
Additional for ATV	\$250.00/day
Geotechnical Report	Per Quote
Special Sampling	\$75.00/each

**EXPENSES**

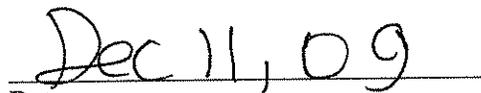
Rates are included in the hourly rates.

**REPORTS**

Rates are included in the hourly rates.

NOTE: The hourly rates are as stated above for projects within a 50 mile radius and more than a 50 mile radius, unless noted otherwise.

  
 P. Palanisami, P.E.                      President

  
 Date