

**STATE OF MINNESOTA
DEPARTMENT OF ADMINISTRATION
REALESTATE AND CONSTRUCTION SERVICES
REQUEST FOR PROPOSAL
AND FEE SCHEDULE
FOR TESTING AND INSPECTIONS
MASTER CONTRACT**





NORTHERN TECHNOLOGIES, INC.

6588 141st Avenue NW, Ramsey, MN 55303 763-433-9175 763-323-4739 Fax

December 7, 2009

Contracts Officer
State of Minnesota
Department of Administration
Real Estate and Construction Services
Administration Building Rm 309
50 Sherburne Avenue
St. Paul, MN 55155

Re: RFP and Fee Schedule for Testing and Inspections Master Contract

Pursuant to your Request for Information (RFI) I am sending you this letter of interest to enter into a new Master Contract with Real Estate and Construction Services for Testing and Inspection Services. Northern Technologies, Inc. (NTI) has enjoyed working with the state under our present contract set to expire on December 31st of this year and wish to continue to provide the experienced personnel and laboratory facilities your projects deserve.

Northern Technologies, Inc. is a North Dakota corporation with office in Fargo, Grand Forks and Ramsey, MN. I am located in the Ramsey office and will serve as your main point of contact.

The mailing address for our corporate office is:

Northern Technologies, Inc.
3522 4th Avenue S.,
Fargo, Cass County, ND 58103-2224

(701) 232-1822
(701) 232-1864 fax

Northern Technologies, Inc is a North Dakota corporation incorporated on 8/27/1996. Our only shareholder and President is Marc Shannon, PE. Marc is out of the Fargo office. His email address is Marc@northerntechinc.com His cell phone is (701) 371-1150.

Federal EIN 45-0446266
MN Tax ID 2941107
Secretary of State ID # 11580500
State Vendor Number 200097587-00

While you are familiar with NTI I still encourage you to visit our website www.northerntechinc.com for more information on the firm. NTI has been serving the Twin Cities and the central, southern and eastern portions of Minnesota since 2001 from our facility in Ramsey, Minnesota. Our Fargo office has been serving northern and western Minnesota since 1996. We are focused on providing first class service to our customers for a very fair price by keeping our overhead low and employing well trained conscientious staff.

I will serve as your point of contact during the proposal process and for the term of the contract.

Stephen Johnston, PE
Regional Manager / Vice President
Northern Technologies, Inc.
6588 141st Avenue NW
Ramsey, Anoka County, MN 55303-5726

(763) 433-1975 office
(763) 286-1163 cell
(763) 323-4739 fax
steve@northerntechinc.com

We look forward to the opportunity to continue to work with the State on future projects. If you would like any further information about our firm please do not hesitate to contact me at (763) 433-9175.

Best regards,



Stephen Johnston, PE
Regional Manager / Vice President
(763) 433-9175 phone
(763) 323-4739 fax
steve@northerntechinc.com

CONSTRUCTION TESTING AND INSPECTION SERVICES RFP- EXHIBIT A

Name of Firm: Northern Technologies, Inc. Proposal Dated: December 7, 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 Geotechnical Design of Foundations

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 Forensic Evaluation of Concrete

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 yes / Periodic yes)
- Other Forensic Evaluation of Masonry Structures

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 _____

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 yes / Periodic yes)
- Other Forensic Evaluation of Pavement

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CONSTRUCTION AND
INSPECTION SERVICES
DEPT. OF ADMINISTRATION
STATE OF MINNESOTA

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.
- 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

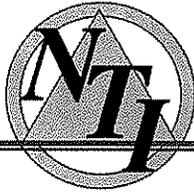
Phase I Investigation are causing a release or threatened release of hazardous substances, contaminants or pollutants to the soil, surface water and ground water on the property in question.

- 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:



NORTHERN TECHNOLOGIES, INC.

6588 141st Avenue NW, Ramsey, MN 55303 763-433-9175 763-323-4739 Fax

Response to Minnesota Department of Administration RFP

Firm Qualifications

Geotechnical Services

Northern Technologies, Inc. (NTI) maintains a fleet of four CME drills, one of which is an all terrain track vehicle. NTI is qualified to perform geotechnical borings and sampling for a variety of projects including buildings, utilities, bridges, roadways and embankments. Following the completion of the field work our engineers classify the soils, run tests on representative samples and write a report outlining the conditions encountered and the soil's suitability for the intended use. Our geotechnical reports generally address site conditions likely to be encountered during construction, recommended construction practices to deal with unsuitable soils, and groundwater, as well as pavement, foundation and backfill specifications.

During construction NTI's technicians and engineers are engaged to monitor construction, perform field and laboratory tests, and approve base soil prior to the placement of embankments.

Related Project Experience - NTI provides the services listed above on hundreds of projects each year. The projects listed below are intended to illustrate the breadth of our experience. Additional project examples will be provided upon request.

Project Name / Location	Description	Client
Chomonix Golf Course, Lino Lakes, MN	NTI performed 8 borings to a depth of 50 feet for the purpose of designing bridge foundations on the golf course. NTI's report gave recommendations for founding the bridge on screw piles. This project was completed in November 2009	Anoka County Parks Scott Yonke 550 Bunker Lake Blvd NW Andover, MN 55304 (763) 323-5511 (763) 755-0230 fax
Minnesota Eye Consultants Building, Blaine, MN	NTI performed 34 borings to a depth of 15 feet and provide recommendations for foundations design, soil corrections, and pavements. The report for the project was issued in May 2009.	MSP Commercial Alex Young Vice President of Development 401 North Robert St. Suite 225 St. Paul, Mn 55101 (651) 287-8891 (651) 287-8889 fax



<p>St. Michael City Hall and Library, St. Michael, MN</p>	<p>NTI performed 51 borings to depth of 20 to 100 feet for the design of the 32,400 S.F. municipal building. NTI was then hired to perform construction monitoring and testing as the site was corrected and brought to rough grade. Under a third contract NTI was engaged to perform geotechnical and materials testing, and special inspections during the actual construction of the facility in 2009.</p>	<p>City of St. Michael Steve Bot, PE 3150 Lander Ave NE PO Box 337 St. Michael, MN 55376 (763) 497-2041 (763) 497-5306 fax</p>
<p>Ridgewater College, Willmar, MN</p>	<p>NTI drilled 13 exploratory borings to depths of 15 to 25 feet for three separate additions at the college campus. NTI is currently providing special inspection and materials testing services for one of the additions in 2009.</p>	<p>Ridgewater College Gary Myhre 2101 15th Ave NW Willmar, MN 56201 (320) 222-5207 (320) 222-5642 fax</p>
<p>Monsanto Plant Expansion, West Fargo, ND</p>	<p>NTI performed 10 borings ranging in depth from 30 to 85 feet in depth and completed a geotechnical report with recommendations for foundations and pavement design. The project geotechnical report was completed in fall of 2009.</p>	<p>Monsanto Company Brent Baber 800 N. Lindbergh Blvd. St. Louis, MO 63141 (314) 694-3983 (314) 694-6329 fax</p>
<p>Tharaldson Ethanol Plant Casselton, ND</p>	<p>NTI performed approximately 50 borings ranging in depth from 20 to 50 feet in depth and completed a geotechnical report with recommendations for foundations and pavement design. In addition to the field exploration NTI conducted pressure meter testing of soils at an approximate depth of 50 feet to confirm bearing capacity of the large concrete DDG Silos. NTI also was contracted to perform materials testing during construction of the plant.</p>	<p>Tharaldson Ethanol Plant I Jim Heyer C/o Heyer Engineering 1020 36th St.SW Fargo, ND 58103 (701) 280-0949 (701) 280-9686 fax</p>
<p>South Fargo Flood Control Fargo, ND</p>	<p>NTI performed approximately 20 soil borings advanced to glacial till (approximately 70 to 95 feet). Upon testing analysis of soil samples, NTI conducted stability analysis on various cross sections within the proposed levee construction. The project is ongoing with the City of Fargo and additional work will be necessary upon review of the Corp of Engineers.</p>	<p>Houston Engineering Greg Theilman 1401 21st Ave. N. Fargo, ND 58102 (701) 237-5065 (701) 237-5101 fax</p>
<p>Bioenergy Canola Plant Hallock, MN</p>	<p>NTI performed 31 borings ranging in depth from 15 to 80 feet in depth and completed a geotechnical report with recommendations for foundations of various plant structures and pavement design. The project geotechnical report was completed in 2007.</p>	<p>Northstar Bioenergy LLC Neil Junke 15 Broadway Suite 600 Fargo, ND 58102 (701) 478-5848 (701) 478-5849 fax</p>

Urban Plains Ice Arena Fargo, ND	NTI performed 24 borings ranging in depth from 20 to 110 feet and completed a geotechnical report with recommendations for shallow and deep foundations. The project geotechnical report was completed in 2007.	ICON Architects Scott Fornier 4200 James Ray Drive Grand Forks, ND 58201 (701) 772-4266 (701) 772-4275 fax
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Concrete Testing and Inspection Services

Northern Technologies, Inc. (NTI) provides field and laboratory testing services at each of its three offices. Many of our staff members are American Concrete Institute (ACI) and MnDOT certified to provide concrete and grout mix designs, perform field inspection of forms and reinforcing steel, conduct field testing of slump, temperature and air entrainment, and cast concrete cylinders. We maintain concrete curing and testing facilities in our AASHTO certified laboratory. Our experienced engineers also practice in the area of forensic evaluations to assist in determining the cause of concrete failure.

Related Project Experience - NTI provides the services listed above on hundreds of projects each year. The projects listed below are intended to illustrate the breadth of our experience. Additional project examples will be provided upon request.

Project Name / Location	Description	Client
Infinity Windows and Doors, West Fargo, ND	Performed plastic tests of concrete for a 160,000 + square foot manufacturing facility. 2006 construction.	Marvin Windows and Doors Matt Ulwelling PO Box, Highway 11 West Warroad, MN 56763 (218) 386-4142 Ext. 1757 (218) 386-4203 fax
Trollwood Performing Arts School, Moorhead, MN	Performed rebar and plastic tests of concrete for a new performing arts school. Also verified concrete mix designs. 2008 Construction	City of Moorhead (Gehrtz Construction Services) Steve Gehrtz 510 4 th Avenue North Fargo, ND 58102 (701) 297-0704 (701) 280-9021 fax
Menards Retail Store, Moorhead and Detroit Lakes, MN	Performed rebar observations, plastic tests of concrete and monitored cold weather procedures. Construction from 2006 to 2007	Menards, Inc. Jeremiah Stern 4777 Menard Drive Eau Claire, WI 54703 (715) 876-2708 (715) 876-2423 fax
Central Avenue, Osseo, MN	NTI provided concrete testing of air, slump, and temperature for the Central Avenue Reconstruction. NTI also provided the lab testing of concrete test samples, sub-grade density testing and field and lab	Forest Lake Contracting, Inc., Bob Vollhaber 14777 Lake Drive

	testing of the aggregate base. 2009 Construction	(651) 464 4500 (651) 464-4722 fax
Highway 212 Extension Project, Chanhassen, MN	Todd Schwartz of NTI performed concrete testing of air, slump, and temperature for the 20+ bridges included in the project. Mr. Schwartz also was the Lead/Structures team Supervisor; his responsibilities were supervising the structures team of 3 bridge inspectors, reviewing all daily reports, incorporating reports into the Mn/DOT Traks data management system, training of bridge inspectors, and certification of all testing for the structures. 2006 Construction	Mn/DOT, Robert Bobleter Transportation Department 733 Bryant Lake Drive Eden Prairie, MN 55344 (952) 826 6711 (952) 941-5481 fax
Ramsey Municipal Parking Facility, Ramsey, MN	The parking ramp is a four-story cast-in-place concrete post tensioned concrete structure. NTI provided routine concrete testing services, along with concrete maturity tests for estimating concrete compressive strength for post tensioning of the elevated slabs. 2005 Construction.	City of Ramsey c/o LSA Design William Fossing 120 South 16 th Street Suite 1700 Minneapolis, MN 55402 (612) 339-8729 (612) 339-7433 fax
Chanhassen High School, Chanhassen, MN	NTI provided concrete special inspections and testing services during construction of the new high school. NTI also performed special inspections of the concrete reinforcing, form and curing procedures. 2007 Construction.	Bossardt Corporation, Todd Iverson 8300 Norman Center Dr., Suite 770, Minneapolis, MN 55437-1061 (952) 837-3340 (952) 381-1268 fax
Atlantis 15, Burnsville, MN	NTI performed special inspections and concrete testing during construction of the new theater. The theater was built with ICF concrete walls. 2007 Construction.	Cinemagic Bryan Sieve River Road Business Center 5255 E. River Road Suite 20, Minneapolis, MN 55421 (763) 572-8004 ext 108 (763) 572-8005 fax



Masonry Testing and Inspection Services

Northern Technologies, Inc. (NTI) provides field and laboratory testing services at each of its three offices. Many of our staff members are American Concrete Institute (ACI) certified to provide mortar and masonry fill mix designs, conduct laboratory tests on masonry prisms, test mortar and core-fill for compressive and bond strength and conduct special inspections of structural masonry construction. Our experienced engineers also practice in the area of forensic evaluations to assist in determining the cause of masonry structural failure.

Related Project Experience - NTI provides the services listed above on dozens of projects each year. The projects listed below are intended to illustrate the breadth of our experience. Additional project examples will be provided upon request.

Project Name / Location	Description	Client
Urban Plains Ice Arena, Fargo, ND	NTI performed rebar observations and plastic tests of masonry grout and mortar. Observed, documented and monitored cold weather procedures. Constructed in 2007	Metro Sports Foundation Dan Huffman 415 N 4 th Street Fargo, ND 58102 (701) 446-1000 (701) 446-1200 fax
St. Anne and Joachim Church, Fargo, ND	NTI performed field and laboratory tests of mortar. Completed compressive strengths of masonry block and masonry prisms. 2008 Construction	St. Anne and Joachim Church Tim Jones 2900 Fiechtner Drive Fargo, ND 58103 (701) 293-1845 (701) 293-8424 fax
Microsoft Campus Expansion, Fargo, ND	NTI performed field and laboratory tests of mortar and grout. Completed physical properties of block and brick. 2007 Construction	JE Dunn Construction Dean Hanson 9855 West 78 th Street Suite 270 Eden Prairie, MN 55344 (952) 830-9000 (952) 830-1365 fax
Highview Hills, Lakeville, MN	Two story senior living facility with one level of underground parking utilizing below grade masonry walls. NTI performed continuous special inspection and testing during masonry casting. 2008 Construction.	Welsh Construction Abe Hofmeister 4350 Baker Road Suite 400 Minnetonka, MN 55343 (952) 897-7700 (952) 842-7771 fax
Howard Lake High School, Howard Lake, MN	NTI provided masonry testing and special inspection services during construction for the new high school. The school was constructed with masonry bearing walls. 2006 Construction.	HLWW School District George Ladd P.O. Box 708 Howard Lake, MN 55439 (320) 543-3900 (320) 543-3590 fax

Cambridge Middle School, Cambridge, MN	NTI performed special inspections and testing for the new middle school. The school was constructed using masonry bearing walls. 2005 Construction.	Kraus Anderson Greg Sorenson P.O. Box 158 Circle Pines, MN 55014 (763) 786-7711 (763) 786-2650 fax
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Structural Steel Testing and Inspection Services

Northern Technologies, Inc. (NTI) provides field and laboratory testing services at each of its three offices. Many of our staff members are AWS certified to provide strength testing of embedded bolts, observe and test welded, screwed and bolted connections during precast concrete and structural steel erection and metal deck installation.

Related Project Experience - NTI provides the services listed above on dozens of projects each year. The projects listed below are intended to illustrate the breadth of our experience. Additional project examples will be provided upon request.

Project Name / Location	Description	Client
Lommen Hall Renovation (Minnesota State University-Moorhead), Moorhead, MN	NTI performed weld inspections on decking and joist. Also performed bolted connection inspections of structural steel. 2009 Construction	MSUM(CPMI) Brenda Norris 1104 7 th Avenue S UPO 137 Moorhead, MN 56563 (701) 236-2662 (701) 236-2882 fax
Carl Ben Middle School, Fargo, ND	NTI performed weld inspections on decking and joist. Also aided in X-ray welding inspections. Performed inspections of bolted connections of structural steel. 2005 Construction	Fargo Public Schools Dan Huffman 415 N 4 th Street Fargo, ND 58102 (701) 446-1000 (701) 446-1200 fax
Scheels Retail Center and Corporate Office, Fargo, ND	NTI performed weld inspections on decking and joist. Performed inspections of bolted connections of structural steel. The project is a corporate office and retail facility of 244,000 square feet and incorporating 525 tons of steel. 2005 construction	RL Engebretson Architects Rick Engebretson PO Box 2564 Fargo, ND 58108 (701) 293-5735 (701) 293-5750 fax
St. Joseph's Medical Center, Brainerd, MN	Two story hospital addition with structural steel framing supporting elevated concrete slabs. 2009 Construction.	St. Joseph's Medical Center Dan Danielson 523 North 3 rd Street Brainerd, MN 56401 (218) 454-0538 (218) 282-3129 fax

Virchow Krause, Minneapolis, MN	The project involved adding additional structural steel for support of new stairways for 4 stories of a high rise tower in downtown Minneapolis. 2008 Construction.	Welsh Construction Chris Loberg 7808 Creekridge Circle Bloomington, MN 55439 (952) 897-7779 (952) 842-7771 fax
Foley School Addition, Foley, MN	The project included a 1 and 2 story addition connection the elementary school to the high school. The project utilized structural steel framing for support of the elevated floor slabs and roof. 2008 Construction.	Construction Analysis & Management Dean Sand 7398 University Avenue N.E. Fridley, MN 55432 (763) 571-8866 (763) 571-8868 fax

Pavement Testing and Inspection Services

Northern Technologies, Inc. (NTI) provides field and laboratory testing services at each of its three offices. Most of our staff members are MnDOT certified to observe test roll operations, perform field and laboratory tests on aggregate base and bituminous paving.. Our experienced engineers also practice in the area of forensic evaluations of bituminous pavement.

Related Project Experience - NTI provides the services listed above on hundreds of projects each year. The projects listed below are intended to illustrate the breadth of our experience. Additional project examples will be provided upon request.

Project Name / Location	Description	Client
Bemidji Airport, Bemidji, MN	NTI performed compaction tests on runway and apron areas. Also performed plastic tests of concrete including beams. Performed marshall properties of asphalt paving materials. 2007 Construction	HNTB Tom Angus 7900 International Dr #600 Minneapolis, MN 55425 (952) 920-4668 (952) 920-0173 fax
Jamestown Airport, Jamestown, ND	NTI performed compactions test for runway reconstruction. Tested plastic concrete for flexural strength and compressive strengths. Obtained physical properties of asphalt cores. 2005 Construction	Interstate Engineering Steve Aldinger 1903 12 th Avenue SW Jamestown, ND 58402 (701) 252-0234 (701) 252-0203 fax
13 th Avenue Reconstruction, Fargo, ND	Performed compaction tests for utility trenches, sub-base material and aggregate base material. Performed plastic tests of concrete and tested for compressive strength. Started construction in 2002	City of Fargo Engineering 200 3 rd Street North Fargo, ND 58102 (701) 241-1545 (701) 241-8101 fax

157 th Avenue N.W., Andover, MN and Ham Lake, MN	2.5 miles of 157 th Avenue N.W. in Andover and Ham Lake was reconstructed. NTI provided quality assurance testing in accordance with Mn/DOT standards for bituminous paving. 2009 Construction.	City of Andover Mr. Jason Law 1685 Crosstown Blvd Andover, MN 55304 (763) 755-5100 (763) 755-8923 fax
Aberdeen Street, East Bethel, MN	NTI provided quality assurance services during construction of the new road. The project was funded with state aid funds. (Project constructed in 2009.)	Hakanson Anderson Tim Eggerichs 3601 Thurston Ave. Anoka, MN 55303 (763) 427-5860 (763) 427-0520 fax
Cambridge 2008 Street Improvements Project, Cambridge, MN	NTI provided quality assurance services during the reconstruction of main street in Cambridge, including testing of utility trench fill, road subgrades, car bituminous pavement. (Project constructed in 2008.)	City of Cambridge Todd Blank 300 3 rd Avenue N.E. Cambridge, MN 55008-1281 (763) 689-3211 (763) 689-6801 fax

Fireproofing / Firestopping Testing and Inspection Services

Northern Technologies, Inc. (NTI) provides field and laboratory testing services at each of its three offices. Many of our staff members are ICC certified to test spray-on fireproofing and observe the installation of fire-resistant joint systems. NTI provides the services listed above on dozens of projects each year. The projects listed below are intended to illustrate the breadth of our experience. Additional project examples will be provided upon request.

Project Name / Location	Description	Client
Student Center Concordia College, Moorhead, MN	Performed fireproofing inspections which included: thickness, adhesion and unit weight. Constructed in 2006	Gehertz Construction Services Steve Gehertz 5510 4 th Avneue North Fargo, ND 58102 (701) 297-0704 (701) 280-9021 fax
Gate City Bank (Downtown), Fargo, ND	Performed fireproofing inspections which included: thickness, adhesion and unit weight. Constructed in 2009	Gate City Bank Steve Swiontek 500 2 nd Avenue N Fargo, North Dakota 58102 (701) 293-2485 (701) 293-2566 fax
Fargo Highrise, Fargo, ND	Performed fireproofing inspections which included: thickness, adhesion and unit weight. Constructed in 2009	Sig Olson and Sons Plastering Roger Olson 1923 27 th Street S Moorhead, MN 56560 (218) 233-1349 (701) 233-8030 fax

Le Sueur Henderson School Addition, Le Sueur, MN	Performed fireproofing inspections which included: thickness, adhesion and unit weight. Constructed in 2006.	R.A. Morton & Associates, Inc. Paul Heinen 1000 South Benton Drive Suite 415 Sauk Rapids, MN 56379 (320) 251-0262 (320) 251-5749 fax
Chanhassen High School, Chanhassen, MN	Performed fireproofing inspections which included: thickness, adhesion and unit weight. Constructed in 2007.	Bossardt Corporation Mr. Todd Iverson 8300 Norman Center Drive Suite 770 Minneapolis, MN 55437 (952) 837-3340 (952) 381-1268 fax
Elk River YMCA, Elk River, MN	Performed fireproofing inspections which included: thickness, adhesion and unit weight. Constructed in 2007.	City of Elk River Bill Maertz 13065 Orono Parkway Elk River, MN 55330 (763) 635-1000 (763) 635 -1090 fax

Phase I Environmental Investigations

Northern Technologies, Inc. (NTI) provides environmental services at each of its three offices. Many of our staff members are trained to complete Phase I Environmental Site Assessments consistent with ASTM and MPCA standards, including the collection and evaluation of historical records. Our staff is also capable of conducting visual assessments for asbestos containing materials, and PCB's. NTI provides the services listed above on numerous of projects each year. The projects listed below are intended to illustrate the breadth of our experience. Additional project examples will be provided upon request.

Project Name / Location	Description	Client
Border States Electric Acquisition, New Mexico and Texas	Performed Phase I reports on 19 sites in Texas and New Mexico. Report completed in 2006	Border States Electric Brian Becker 105 25 th Street North Fargo, ND 58102 (701) 239-7492 (701) 237-9811 fax
Cityscapes Plaza, Fargo, ND	Performed Phase I in downtown Fargo which included demolishing existing buildings. Report completed in 2002	Cityscapes, LLC Mike Bullinger 474 45 th Street S Fargo, ND 58108 (701) 280-5867 (701) 232-6666 fax
Gateway Chevrolet, Fargo, ND	Performed Phase I at current car dealership with multiple above ground tanks, former leaking underground storage tank site and waste generator.	Gateway Chevrolet Brad Sather 501 38 th Street SW

	Report completed in 2008	Fargo, ND 58103 (701) 282-5522 (701) 277-4233 fax
Metal Craft Machine Company, Elk River, MN	NTI performed a Phase I site investigation at this site to identify any recognized environmental conditions.	First National Bank of Elk River Roger Hebeisen 729 Main Street Elk River, MN 55330 (763) 712-8891 (763) 433-3800 fax
Minnesota Eye Consultants, Blaine, MN	NTI performed a Phase I site investigation at this site to identify any recognized environmental conditions.	MSP Commercial Alex Young 401 N. Robert Street Suite 225 St. Paul, MN 55101 (651) 287-8891 (651) 287-8889 fax
Prairie Enterprises, Worthington, MN	NTI performed a Phase I site investigation at this site to identify any recognized environmental conditions. A Phase II site investigation was also done at this site.	Meta Bank Karen Wallard 4900 S. Wester Avenue, P.O. Box 520 Sioux Falls, SD 57101 (605) 977-0221 (605) 338-0155 fax



STATE OF MINNESOTA
AFFIDAVIT OF NONCOLLUSION

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 submitted in response to the DEPT. OF ADMIN. Request for Proposals 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: NORTHERN TECHNOLOGIES, INC.

Authorized Representative (Please Print) STEPHEN JOHNSTON

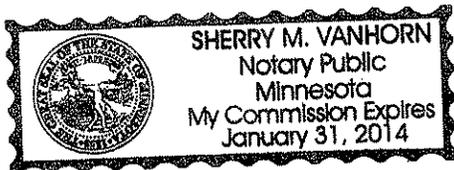
Authorized Signature: [Signature]

Date: 12-7-2009

Subscribed and sworn to me this 7th day of December 2009

Notary Public [Signature]

My commission expires: 1/31/2014



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.

NORTHERN TECHNOLOGIES, INC.
Organization Name

STEPHEN JOHNSTON V.P.
Name and Title of Official Signing for Organization

By: [Signature]
Signature of Official

11-25-2009
Date

State Of Minnesota – Affirmative Action Certification

If your response to this solicitation is or could be in excess of \$100,000, complete the information requested below to determine whether you are subject to the Minnesota Human Rights Act (Minnesota Statutes 363A.36) certification requirement, and to provide documentation of compliance if necessary. It is your sole responsibility to provide this information and—if required—to apply for Human Rights certification prior to the due date and time of the bid or proposal and to obtain Human Rights certification prior to the execution of the contract. The State of Minnesota is under no obligation to delay proceeding with a contract until a company receives Human Rights 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)
 and time the responses are due.
 has submitted an affirmative action plan to the MDHR, which the Department received prior to the date
 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: NORTHERN TECHNOLOGIES, INC
 Authorized Signature: [Signature]
 Printed Name: STEPHEN JOHNSTON
 Title: Vice President
 Date: 11-25-2009
 Telephone number: 763-433-9175

For assistance with this form, contact: Minnesota Department of Human Rights, Compliance Services Section
 Mail: 190 East 5th St., Suite 700 St. Paul, MN 55101
 Web: www.humanrights.state.mn.us
 Email: employerinfo@thehr.state.mn.us
 Fax: (651) 296-9042
 TTY: (651) 296-1283
 Toll Free: 800-657-3704
 TC Metro: (651) 296-5663

**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 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;
 - (2) the location where services under the contract will be performed; and
 - (3) the percentage of work (in dollars) as compared to the whole that will be conducted in each identified foreign location.

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: NORTHERN TECHNOLOGIES, INC.

Authorized Signature: [Signature]

Printed Name: STEPHEN JOHNSTON

Title: VICE PRESIDENT

Date: 11-25-2009 Telephone Number: 763-433-9175

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: NORTHERN TECHNOLOGIES, INC

Date: 11-25-2009

Authorized Signature: _____

Telephone Number: 763-433-9175

Printed Name: _____

STEPHEN JOHNSTON

Title: VICE 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

Email: 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 JA
N-TECHNDATE (MM/DD/YYYY)
11/20/09

PRODUCER Dawson Insurance 721 1st Ave N, PO Box 1958 Fargo ND 58102 Phone: 701-237-3311 Fax: 701-232-4442	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.	
	INSURERS AFFORDING COVERAGE	NAIC #
INSURED Northern Technologies, Inc. 3522 4th Avenue South Fargo ND 58103	INSURER A: Cincinnati Insurance Companies	10677
	INSURER B:	
	INSURER C:	
	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 LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
A	X	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liab GENL AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	CPP0838935*	10/11/09	10/11/10	EACH OCCURRENCE	\$ 1,000,000
						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 500,000
						MED EXP (Any one person)	\$ 10,000
						PERSONAL & ADV INJURY	\$ 1,000,000
						GENERAL AGGREGATE	\$ 2,000,000
						PRODUCTS - COMP/OP AGG	\$ 2,000,000
A		AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	CPP0838935*	10/11/09	10/11/10	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
						BODILY INJURY (Per person)	\$
						BODILY INJURY (Per accident)	\$
						PROPERTY DAMAGE (Per accident)	\$
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT	\$
						OTHER THAN AUTO ONLY: EA ACC	\$
						AGG	\$
A		EXCESS / UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$ 0	CPP0838935*	10/11/09	10/11/10	EACH OCCURRENCE	\$ 4,000,000
						AGGREGATE	\$ 4,000,000
							\$
							\$
							\$
A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under SPECIAL PROVISIONS below	WC1913388 (MN)	10/11/09	10/11/10	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	OTHER
						E.L. EACH ACCIDENT	\$ 1,000,000
						E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
						E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS
State of Minnesota is additional insured on ISO Form CG 2010 & CG 2037 on a primary basis.

CERTIFICATE HOLDER DEPARTMENT Department of Administration Real Estate & Construction Ser 309 Administration Building 50 Sherburne Avenue St. Paul MN 55155-1495	CANCELLATION 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 
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IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

This Certificate of Insurance does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
11/20/2009

PRODUCER (605) 716-6547
TRJ Professional Group

P.O. Box 9067
Rapid City SD 57709-9067

INSURED
Northern Technologies, Inc.
3522 4th Ave. South

Fargo ND 58103-

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.

INSURERS AFFORDING COVERAGE

NAIC #

INSURER A: XL Specialty Ins. Co

INSURER B:

INSURER C:

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/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC		/ /	/ /	EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS		/ /	/ /	COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO		/ /	/ /	AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
	EXCESS/UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$		/ /	/ /	EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below		/ /	/ /	<input type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	OTHER Professional Liab.	DPR9615372	02/15/2009	02/15/2010	per claim 2,000,000 policy yr aggregate 2,000,000

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS
 For professional liability coverage, the aggregate limit is the total insurance available for all covered claims presented within the policy period. The limit may be reduced by payments of indemnity and expense.

CERTIFICATE HOLDER

CANCELLATION

() - () -
 Dept. of Administration

 Real Estate and Construction Services
 309 Administration Building
 50 Sherburne Ave.
 St. Paul MN 55155-

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 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 

IMPORTANT

If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.



NORTHERN TECHNOLOGIES, INC.

2010 Fee Schedule

PERSONNEL HOURLY RATES

Classification	Unit	Worked Performed at NTI Office	At Project Site	
			Less Than 50 Mile Radius (1)	Greater Than 50 Mile Radius (2)
Principal Engineer	Hour	150.00	175.00	165.00
Senior Engineer	Hour	125.00	150.00	140.00
Senior Consultant	Hour	125.00	150.00	140.00
Engineer, Geologist	Hour	75.00	100.00	90.00
Project Manager	Hour	75.00	100.00	90.00
CAD operator	Hour	65.00	n/a	n/a
Drill Crew Chief	Hour	n/a	95.00	85.00
Drill Crew Person	Hour	n/a	65.00	55.00
Special Inspector - Structural Steel	Hour	65.00	90.00	80.00
Senior Technician	Hour	55.00	80.00	70.00
Technician	Hour	40.00	65.00	55.00

(1) includes mileage and travel time

(2) includes mileage only. Travel time billed at this same rate.

Overtime and hazardous work may be billed at higher hourly rate subject to negotiation

TESTS OF SOIL AND RELATED ITEMS

Test	Unit	Rate	Comments
In-place density and moisture tests	Per Test	15.00	Plus Hourly Rate
Moisture-density relation of soil			
Standard Proctor method "A" (ASTM: D698, AASHTO T99)	Per Test	125.00	Includes all labor
Standard Proctor method "B, C, D" (ASTM: D698, AASHTO T99)	Per Test	135.00	Includes all labor
Standard one-point Proctor Check	Per Test	70.00	Includes all labor
Modified Proctor method "A" (ASTM: D1557, AASHTO T180)	Per Test	130.00	Includes all labor
Modified Proctor method "B,C,D" (ASTM: D1557, AASHTO T180)	Per Test	140.00	Includes all labor
Modified one-point Proctor check	Per Test	75.00	Includes all labor
Sample preparation of cohesive soil.	Per Test	45.00	Includes all labor

TESTS OF SOIL AND RELATED ITEMS (Continued)

Test	Unit	Rate	Comments
Water Content and Density			
Direct measurement by caliper and pi tape	Per Test	40.00	Includes all labor
In-tube measurement method	Per Test	75.00	Includes all labor
Water content only (ASTM: D2216)	Per Test	25.00	Includes all labor
Atterberg Limits			
Plasticity Index (ASTM: D4318)	Per Test	75.00	Includes all labor
Liquid Limit or Plastic Limit Only	Per Test	55.00	Includes all labor
Shrinkage Limit (ASTM: D427)	Per Test	70.00	Includes all labor
Linear Shrinkage (Bar Method)	Per Test	70.00	Includes all labor
Mechanical Analysis of Soils			
Through No. 200 sieve bank run material only - no preparation required (ASTM: C136 & D1140)	Per Test	100.00	Includes all labor
Through No. 200 sieve - no preparation required (ASTM: D422)	Per Test	55.00	Includes all labor
Through .001 mm By Hydrometer method (specific gravity and mechanical analysis extra)	Per Test	185.00	Includes all labor
Sample preparation for cohesive soil	Per Test	60.00	Includes all labor
Base Aggregate Analysis			
Mechanical analysis through NO. 200 sieve (ASTM: C136 and C117)	Per Test	100.00	Includes all labor
Shale content on total sample basis (minus No. 4 and plus No. 200 fraction)	Per Test	140.00	Includes all labor
Specific Gravity	Per Test	90.00	Includes all labor
Organic Content of Soil	Per Test	100.00	Includes all labor
Sulfate Content	Per Test	30.00	Includes all labor
Chloride Content	Per Test	30.00	Includes all labor
Permeability Testing			
Granular soils, less than 10% fines (ASTM: D2434)	Per Test	310.00	Includes all labor and sample preparation
Peats, Saturated (ASTM: D 4511)	Per Test	435.00	Includes all labor and sample preparation
Cohesive soils, using water as permeant	Per Test	485.00	Includes all labor and sample preparation
Cohesive soils with back pressure, using water as permeant	Per Test		By Special Quotation Only
Additional charge for other permeants	Per Test		By Special Quotation Only

TESTS OF SOIL AND RELATED ITEMS (Continued)

Exhibit C

Test	Unit	Rate	Comments
Hand Penetrometer	Per Test	25.00	Includes all labor
Direct Shear Test			Three tests required for series.
Per normal load, cohesionless soil (ASTM: D3080)	Per Test	465.00	Includes all labor
Direct Shear Test, cohesive soil (ASTM: D3080)	Per Test		By Special Quotation Only
Residual strength, cohesionless soil	Per Test	175.00	Includes all labor
Residual strength, cohesive soil	Per Test	435.00	Includes all labor
Unconfined Compression Test			
Cohesive Soil (ASTM: D2166) reporting maximum stress at failure	Per Test	75.00	Includes all labor
Cohesive Soil (ASTM: D2166) reporting stress-strain curve	Per Test	100.00	Includes all labor
Triaxial Compression Test			Reporting stress-strain curves per confining pressure
Unconsolidated undrained (ASTM: D2850)	Per Test	250.00	Includes all labor
Consolidated, Undrained	Per Test	280.00	Includes all labor
Consolidated, Drained	Per Test	435.00	Includes all labor
Consolidation Tests (ASTM: D2435)			Sufficient loads to determine P-e curve, up to 32 tsf (Specific gravity and Atterberg limits extra).
Reporting P-e and time curves, and computing C_v , P_c , C_c	Per Test	550.00	Includes all labor
Reporting P-e curve only	Per Test	420.00	Includes all labor
One load test	Per Test	400.00	Includes all labor
Cyclic loading (per load)	Per Test	125.00	Includes all labor
Tests of Expansive Soils			
One-dimensional swell, settlement, swell pressure potential of cohesive soils (ASTM:D4546)	Per Test	215.00	Includes all labor
One dimensional swell, constant volume	Per Test	360.00	Includes all labor
Angle of Repose	Per Test	95.00	Includes all labor

TESTS OF SOIL AND RELATED ITEMS (Continued)

Test	Unit	Rate	Comments
Laboratory Resistivity Test (ASTM: G-57)			
Initial test	Per Test	100.00	Includes all labor
Initial test including water content and dry density	Per Test	110.00	Includes all labor
Additional test, same sample	Per Test	70.00	Includes all labor
Additional test, same sample with water content and dry	Per Test	80.00	Includes all labor
R-value			By Special Quotation Only
California Bearing Ratio (CBR)			On specimens already in the laboratory
Granular material, complete curves	Per Test	680.00	Includes all labor
Cohesive material, complete curves	Per Test	740.00	Includes all labor
Field CBR on in-place aggregate base or subgrade soil			By Special Quotation Only

SPECIALIZED GEOTECHNICAL EQUIPMENT RENTAL

Exhibit C

Test	Unit	Rate	Comments
Field Vane Shear	Per Day	185.00	Includes all labor
Static cone penetrometer/electric piezometric cone	Per Day	680.00	Includes all labor
Pressuremeter	Per Day	740.00	Includes all labor
Pile driving analyzer	Per Day	1,500.00	Includes all labor
Double ring infiltrometer	Per Test	125.00	Includes all labor
Bore hole permeability	Per Day	125.00	Includes all labor
Seismic equipment (single channel, multi-channel)			By Special Quotation Only
Electrical resistivity	Per Day	150.00	Includes all labor
Inclinometer, per casing reading	Per Reading	185.00	Includes all labor
Pore pressure, earth pressure or settlement	Per Reading	185.00	Includes all labor
Settlement plate apparatus			
Settlement plate	Each	70.00	Includes all labor
Tripod	Per Day	65.00	Includes all labor
5'3" x 2" diameter pipe (with coupling)	Per Day	75.00	Includes all labor
5'3" x 3/4" diameter pipe (with coupling)	Per Day	55.00	Includes all labor
2" cap	Per Day	15.00	Includes all labor
Carbide diamond and wear			By Special Quotation Only
Vibration Monitoring			By Special Quotation Only

CONSTRUCTION OBSERVATION AND TESTING

Exhibit C

Test	Unit	Rate	Comments
Density test, sand-cone or nuclear method Aggregate for Portland Cement Concrete	Per Test	30.00	Includes all labor
Mechanical Analysis and deleterious Materials (ASTM: C136, C117, C123 and C40 or C142)			
Fine Aggregate, ASTM: C33 or MnDOT 3126	Per Test	210.00	Includes all labor
Course Aggregate, ASTM: C33	Per Test	105.00	Includes all labor
Coarse Aggregate, MnDOT 3137	Per Test	120.00	Includes all labor
Mechanical Analysis only, ASTM C136	Per Test	60.00	Includes all labor
Deleterious Materials only, ASTM: C117, C123 and C40 or C142	Per Test		
Fine aggregate	Per Test	80.00	Includes all labor
Course aggregate	Per Test	80.00	Includes all labor
Deleterious Materials only, MnDOT Procedure	Per Test		
Fine Aggregate	Per Test	150.00	Includes all labor
Coarse Aggregate	Per Test	240.00	Includes all labor
Shale content by heavy liquid (Sp Gr 2.0- 2.4) with examination.			By Special Quotation Only
Specific gravity and absorption			
Fine Aggregate, ASTM C128 or AASHTO T84	Per Test	150.00	Includes all labor
Course Aggregate, ASTM C127 or AASHTO T85	Per Test	115.00	Includes all labor
Unit Weight, ASTM C29 or AASHTO T19 (loose or rodded)			
Fine Aggregate	Per Test	85.00	Includes all labor
Coarse Aggregate	Per Test	85.00	Includes all labor
Soundness of aggregate, sodium sulphate or magnesium sulphate			Does not include crushing
Fine or coarse aggregate (not including gradation) ASTM C88, AASHTO T104 or MnDOT Procedure, 5 cycles	Per Test	560.00	Includes all labor
Cost per cycle per pan when over 5 cycles	Per Test	60.00	Includes all labor

CONSTRUCTION OBSERVATION AND TESTING (Continued)

Test	Unit	Rate	Comments
Ledgerock soundness ASTM C88 or AASHTO T104 5 cycles on 50 pieces, 100 grams each	Per Test	560.00	Includes all labor
Los Angeles Rattler (LAR) ASTM C131 or AASHTO T96 abrasion loss of coarse aggregate	Per Test	170.00	Does not including crushing
Tests of packaged Combined Materials for Mortar and Concrete (Sakrete, Handi-Crete etc.), ASTM:C387			
Concrete mix (slump, unit weight, yield and compression)	Per Trial	435.00	Includes all labor
Mortar mix (flow, unit weight, yield, compressive strength and water retention)	Per Trial	185.00	Includes all labor
Tests of Plastic Concrete			
Concrete mix designs in accordance with ACI 211, (calculated)			
Regular weight concrete	Each	75.00	Includes all labor
Lightweight concrete	Each	105.00	Includes all labor
Heavyweight concrete	Each	175.00	Includes all labor
Copies of Previous Mixed	Each	60.00	Includes all labor
Trial mix			
Laboratory batch mixing (materials received at the laboratory)			By Special Quotation Only
Casting, curing & testing three 6 in. x 12 in. test cylinders ASTM C192, C39	Each	75.00	Includes all labor
Casting, curing & testing 6 in. x 6 in. x 30 in. beams, ASTM C192, C78 (7and 28 day test)	Each	125.00	Includes all labor
Time of Set, ASTM C403			
Less than 6 hours	Each	290.00	Includes all labor
More than 6 hours	Each	290.00	Includes all labor
plus indicated unit rate for each hour after 6 hours	Each additional	50.00	Includes all labor

CONSTRUCTION OBSERVATION AND TESTING (Continued)

Test	Unit	Rate	Comments
Tests on Hardened Portland Cement Concrete			
Curing, testing, and reporting standard 6 in. x 12 in. cylinders, f.o.b. the laboratory, ASTM C39	Each	25.00	Includes all labor
Curing and handling of standard 6 in. x 12 in. cylinders for the laboratory, which were designated as "HOLD" cylinders, ultimately discarded and not tested	Each	20.00	Includes all labor
High strength concrete cylinder-accelerated curing of cylinder (ASTM C684)	Each	75.00	Includes all labor
Absorption only on 6 in. x 12 in. cylinders or drilled concrete cores, by 24-hour immersion	Each	45.00	Includes all labor
Curing, testing and reporting standard 6 in. x 6 in. by 30 in. concrete beams, ASTM C78 or ASTM C293, including disposal.			
Per break (2 per beam)	Each	55.00	Includes all labor
Beam mold rental	Each Use	45.00	Includes all labor
Mold clean up and oil for reuse	Each Use	30.00	Includes all labor
Splitting tensile strength tests of molded 6 in. by 12 in. concrete cylinders, f.o.b. the laboratory ASTM C496			
First specimen	Each	105.00	Includes all labor
Each additional specimen at same time as first test	Each	85.00	Includes all labor
On-site Nondestructive Concrete Testing			
Personnel Hourly Rate			Refer to Personnel Rates
Equipment			
Schmidt Rebound Hammer	Per Day	90.00	One day minimum
Windsor Probe Gun	Per Day	75.00	One day minimum
plus	Per Probe	45.00	
Ultrasonic Equipment	Per Day	560.00	One day minimum
Copper-Copper Sulfate half cell	Per Day	70.00	One day minimum

CONSTRUCTION OBSERVATION AND TESTING (Continued)

Test	Unit	Rate	Comments
Securing specimens from hardened concrete by coring with a 2 in., 3 in., 4 in., or 6 in. diameter bit, ASTM C42			
Portable equipment, or truck mounted coring equipment -portal to portal	Per Hour	125.00	Three-hour minimum
Truck mileage-portal to portal	Per Mile	0.75	
Bit wear per diameter inch of core width per depth of cored depth	Per Diameter Inch	1.25	
Electricity generator	Per Day	0.75	When necessary, one day minimum
Pachometer-for locating steel	Per Day	74.00	
Patch material	Per Bag	49.00	
Measuring length of drilled cores according to ASTM C174 or AASHTO T184 (nine point method)			
First of each set	Each	75.00	Includes all labor
Additional sample of set	Each	70.00	Includes all labor
Trimming, curing and compression testing drilled core, ASTM C42			
First sample	Each	70.00	Includes all labor
Additional sample of set	Each	60.00	Includes all labor
Density of absorption only	Each	60.00	Includes all labor
Air content determination of hardened concrete by the Linear Traverse method, ASTM C457 (total, entrained and entrapped air content, separately)			
	Each	500.00	Includes all labor

CONSTRUCTION OBSERVATION AND TESTING (Continued)

Test	Unit	Rate	Comments
Petrographic Analysis of Hardened Concrete			
Complete petrographic examination in accordance with ASTM C856, including preparation and examination of thin polished sections, estimate of air content and photographs	Each	775.00	Includes all labor
Complete petrographic examination (same as a. above) including air content determination by Linear Traverse Method, ASTM: C457	Each	740.00	Includes all labor

TEST ON MASONRY UNIT, MATERIALS, CLAY, CONCRETE UNITS, AND RELATED ITEMS

Test	Unit	Rate	Comments
Tests on Aggregate for Masonry Mortar-gradation and quality ASTM C144	Each	105.00	Includes all labor
Tests on Aggregate for Plaster-gradation and quality, ASTM C35	Each	105.00	Includes all labor
Tests of Mortar			
Mortar Mix Design ASTM C270, 7 and 28 day compressive strength including water retention	Each	495.00	Includes all labor
Tensile Test of Mortar, ASTM C190	Set of 3	750.00	Includes all labor
Tests of Hardened Mortar			
Curing, testing and reporting standard cast 2 in. x 4 in. cylinders, 7 and 28 day test from each cylinder	Each Cylinder	25.00	Includes all labor
Curing, testing and reporting standard 2 in. cubes	Each Cube	25.00	Includes all labor
Concrete Masonry Units			
Tests of Hollow concrete masonry units, ASTM C90, C140			
First block of a set (compression only)	First Block	115.00	Includes all labor
First block of a set (moisture only)	First Block	185.00	Includes all labor
Each additional block of same set (compression only)	Each Block	55.00	Includes all labor
Each additional block of same set (moisture only)	Each Block	110.00	Includes all labor
Complete test on a set of three blocks including dimensional measurement, compressive strength, absorption, moisture content, density, unit weight and voids-ASTM C90	Each Set	345.00	Includes all labor
Fire rating of block based on equivalent wall thickness			
In conjunction with C90 or DIHLR	Each	60.00	Includes all labor
Separate test	Each	160.00	Includes all labor

TEST ON MASONRY UNIT, MATERIALS, CLAY, CONCRETE UNITS, AND RELATED ITEMS (Continued)

Test	Unit	Rate	Comments
Drying shrinkage test of concrete masonry units, ASTM C426 (3 units) or CRD C73-57 (5 units)			
First block of complete set	Each	335.00	Includes all labor
Each additional block of same set	Each	180.00	Includes all labor
Block Prism Compression (three high)			
Laboratory fabrication and testing of a set of 6 prisms (3 high) including flow, 1 @ 7 and 5 @ 28 compression strength of mortar			
	Each	595.00	Includes all labor
Field fabricated samples, f.o.b. the laboratory, 3 high (ASTM E447)			
8 in. and 10 in. (open cores)	Each	105.00	Includes all labor
12 in. (open cores)	Each	115.00	Includes all labor
16 in. (open cores)	Each	175.00	Includes all labor
Grout Filled Cores			By Special Quotation
Field fabricated samples, f.o.b. the laboratory, 2 high (UBC)			
8 in. and 10 in. (open cores)	Each	75.00	Includes all labor
12 in. (open cores)	Each	90.00	Includes all labor
16 in. (open cores)	Each	135.00	Includes all labor
Grout Filled Cores			By Special Quotation
Test of concrete paving units, including dimensions, absorption, density and compression, ASTM:C936			
	Each set	480.00	Includes all labor

TEST ON MASONRY UNIT, MATERIALS, CLAY, CONCRETE UNITS, AND RELATED ITEMS (Continued)

Test	Unit	Rate	Comments
Test of Brick-15 specimens			Compliance with ASTM C62 or C216
Complete tests including dimensional measurement, compression, absorption, saturation coefficient and efflorescence	Each set	410.00	Includes all labor
Individual Tests			
Efflorescence	Each	150.00	Includes all labor
Compression	Each	150.00	Includes all labor
Absorption and Saturation Coefficient	Each	285.00	Includes all labor

ASPHALTIC CONCRETE, BITUMINOUS MATERIALS AND RELATED ITEMS Exhibit C

Test	Unit	Rate	Comments
Aggregates for Bituminous Mixtures			
Mechanical Analysis bituminous aggregate 3.4-in.-No.200, ASTM C136 and C117	Each	100.00	Includes all labor
Total spall material, MnDOT Procedure			
Minus No. 4 fraction	Each	175.00	Includes all labor
Plus No. 4 fraction	Each	160.00	Includes all labor
Thin and elongated particles	Each	210.00	Includes all labor
Soft particles	Each	120.00	Includes all labor
Percent crushed (+No. 4 fraction)	Each	100.00	Includes all labor
Percent Non-igneous	Each	35.00	Includes all labor
Mechanical analysis of mineral filler through No. 200 sieve, ASTM D546	Each	175.00	Includes all labor
Test of mineral filler, MnDOT Procedure	Each	365.00	Includes all labor
Freeze-thaw test of coarse aggregate, 16 cycles, 0.5% alcohol water, MnDOT Procedure	Each	710.00	Includes all labor
Aggregate stripping test 15 minutes agitation U.S. Corps of Engineers, FAA 401-2.1 or AASHTO T182	Each	235.00	Includes all labor
Anti-Stripping additive, MnDot 3161	Each	365.00	Includes all labor
Laboratory Tests of Bituminous Mixtures			
Laboratory mix design (does not include aggregate gradation or specific gravities)			
Marshall Method, Corps of Engineers Method or ASTM D1559			
Complete curve at four asphalt contents including stability, flow, unit weight and voids. Determination of optimum asphalt content	Each	865.00	Includes all labor
Tests per individual asphalt content	First Test	335.00	Includes all labor
Additional tests	Each	240.00	Includes all labor

ASPHALTIC CONCRETE, BITUMINOUS MATERIALS AND RELATED ITEMS Exhibit C
(Continued)

Test	Unit	Rate	Comments
Recommended asphalt content by visual observations of trial mixes and experience Bituminous Mix Design for State of Minnesota	Each	345.00	Includes all labor By Special Quotation Only
Cold Water Abrasion, MnDOT Procedure	Each	680.00	Includes all labor
Additional Mix	Each	600.00	Includes all labor
Tests of laboratory compacted Marshall samples of field plant mixture.			
Marshall density by displacement method	Each	185.00	Includes all labor
Marshall density, Stability @ 140F and flow @ 140F	Each	245.00	Includes all labor
Field Density by displacement method on submitted samples, includes preparation	Each	35.00	Includes all labor
Bituminous Extraction and Mechanical Analysis of aggregate-STM D2172, C136 and C117			
Extraction only, ASTM D2172	Each	210.00	Includes all labor
Moisture content, ASTM D95 (on recycled mixes)	Each	150.00	Includes all labor
Rice's Max. Theoretical Specific Gravity	First Sample	100.00	Includes all labor
each additional sample	Each	50.00	Includes all labor
Asphalt cement, ASTM D946, D3176, D92, D13 D6, D4, D3180			By Special Quotation Only
MC and RC road oils, ASTM D2028, D2027, D1310, D88, D402, D5, D113, D4			By Special Quotation Only
SC Road Oils, AASHTO M41-69			By Special Quotation
Tars, ASTM D490, D95, D139, D36, D872, D4, D70			By Special Quotation Only
Emulsified asphalt, ASTM D977, D244			By Special Quotation Only

ASPHALTIC CONCRETE, BITUMINOUS MATERIALS AND RELATED ITEMS Exhibit C
 (Continued)

Test	Unit	Rate	Comments
Field Tests and Observation of Bituminous Materials			
Securing specimens from bituminous pavement by coring with a 6 in. diamond bit.			
Truck-mounted coring equipment, technician, portal to portal	Per Hour	125.00	Includes all labor
Truck mileage-portal to portal	Per Mile	0.75	
Bit wear per diameter inch per depth cored	Per Diameter Inch	1.25	
Electricity generator-when necessary (one day minimum)	Per Day	75.00	