

STATE OF MINNESOTA (REV 10/20/2014)

Professional Technical Services Master Contract --Encumbrance Form (For State Use Only)

RECS Project ID.:	N/A	Project Mgr.:	Gordon Christofferson	Contract Specialist:	Sherry Van Horn
		Control No.	48098	RFP Event ID (if applicable)	2-3225
Project Name : Testing and Inspection Services Master Contract					

Total Amount of Contract:	N/A	Amount of Contract First FY:		Vendor Number:	
Category Code:		Category Code:		Category Code:	
Account:		Account:		Account:	
Amount:	N/A	Amount:		Amount:	

Accounting Distribution 1:	Accounting Distribution 2:	Accounting Distribution 3:
Business Unit:	Business Unit:	Business Unit:
Accounting Date:	Accounting Date:	Accounting Date:
Fund:	Fund:	Fund:
DeptID:	DeptID:	DeptID:
AppropID:	AppropID:	AppropID:
Project ID: N/A	Project ID:	Project ID:
Activity:	Activity:	Activity:
Amount: N/A	Amount:	Amount:

SWIFT Contract No: T#15ATI/85256

 Number/Date/Entry Initials

SWIFT Order: _____
 Number / Date/ See Signature Page

[Individual signing SWIFT Order or Contract certifies that funds have been encumbered as required by Minn. Stat. §§ 16A.15 and 16C.05]

NOTICE TO CONSULTANT: You are required to provide your social security number or Federal employer tax identification number and Minnesota tax identification number if you do business with the State of Minnesota.

Contractor Name and Address: **Braun Intertec Corporation**
11001 Hampshire Ave. S.
Minneapolis, MN 55438

Contact Person: **Michael Heuer**
Contact Person Phone: **952.995.2258**
Contact Person Fax:
Contact Person Email: mheuer@braunintertec.com

Contract Execution Date: 11/17/2014
Contract End Date: 10/31/2016

(*Note: According to Minn. Stat. 16C.08 Subd. 3(5), the combined contract and amendment cannot exceed five years, unless otherwise provided for by law.)

**STATE OF MINNESOTA
PROFESSIONAL AND TECHNICAL SERVICES
MASTER CONTRACT**

This master contract is between the State of Minnesota, acting through its Commissioner of Administration ("State") and Braun Intertec Corporation, 11001 Hampshire Ave. S., Minneapolis, MN 55438("Contractor").

Recitals

1. Under Minnesota Statute§ 15.061 the State is empowered to engage such assistance as deemed necessary.
2. The State is in need of construction testing and inspection services.
3. The Consultant represents that it is duly qualified and agrees to perform all services described in this master contract and performed under work order contracts to the satisfaction of the State.

Master Contract

1 Term of Master Contract

- 1.1 **Effective Date:** The date the State obtains all required signatures under Minnesota Statute§ 16C.05, subdivision 2, whichever is later.
The Contractor must not accept work under this master contract until this master contract is fully executed and the Contractor has been notified by the State's Authorized Representative that it may begin accepting Work Order Contracts.
- 1.2 **Work Order Contracts.** The term of work under work order contracts issued under this master contract may not extend beyond the expiration date of this master contract.
- 1.3 **Expiration Date:** October 31, 2016
- 1.4 **Survival of Terms:** The following clauses survive the expiration or cancellation of this master contract and all work order contracts: 8. Indemnification; 9. State Audits; 10. Government Data Practices and Intellectual Property; 13. Publicity and Endorsement; 14. Governing Law, Jurisdiction, and Venue; and 18. Data Disclosure.
- 1.5 **Authorization of Use:** The Master Contract is available for use by all state agencies and Minnesota State Colleges and Universities.

2 Scope of Work

The Contractor, who is not a state employee, may be requested to perform any of the following services under individual work order contracts:

Geotechnical, Concrete Testing and Inspection, Masonry Testing and Inspection, Structural Steel Testing and Inspection, Pavement Testing and Inspection, Fireproofing/Firestopping Testing and Inspection, Window/Curtain Wall Testing and Inspection, Roofing/Waterproofing Testing and Inspection, Phase I Environmental Investigation, Phase II Environmental Investigation, Remediation Services.

The Contractor understands that only the receipt of a fully executed work order contract authorizes the Contractor to begin work under this master contract. Any and all effort, expenses, or actions taken before the work order contract is fully executed is not authorized under Minnesota Statutes and is under taken at the sole responsibility and expense of the Contractor. A sample work order contract is attached and incorporated into this master contract as Exhibit A.

The Contractor understands that this master contract is not a guarantee of a work order contract. The State has determined that it may have need for the services under this master contract, but does not commit to spending any money with the Contractor.

3 Time

The Contractor must comply with all the time requirements described in work order contracts. In the performance of work order contracts, time is of the essence.

4 Consideration and Payment

4.1 **Consideration.** The State will pay for all services satisfactorily performed by the Contractor for all work order contracts issued under this master contract. The total compensation of all work order contracts may not exceed \$1,000,000.00. All costs will follow the Contractor's fee schedule attached as Exhibit B and incorporated into this agreement. The Contractor may revise its fee schedule once a year after November 1, 2015. However, hourly rates may not exceed a 3% increase each year. Revised fee schedules meeting the requirements of this section will be effective on the date received by the State.

For projects located within a 50 mile radius of Contractor's Office Location— Hourly rate includes all travel time, travel expenses, and other project-related expenses, which include but are not limited to mileage, meals, lodging, telephone/fax, printing of drawings, specifications, and reports, computer discs, and photographs. State will not pay for travel time.

For projects located more than a 50 mile radius of Responder's Office Location—Hourly rate includes travel expenses, and other project-related expenses, which include but are not limited to mileage, meals, lodging, telephone/fax, printing of drawings, specifications, and reports, computer discs, and photographs. Responder may invoice travel time at this rate.

Travel & Reimbursable Expenses. Except as described in this Section 4.1, there are no allowable travel or other reimbursable expenses. All such expenses are included in the Contractor's fee schedule of hourly rates, attached as Exhibit B. The State reserves the right to modify the allowable reimbursable expenses prior to execution of a Work Order from the Master Contracts. In the event expenses are reimbursed, they shall be reimbursed in the same manner and in no greater amount than provided in the current "Commissioner's Plan" promulgated by the Commissioner of Minnesota Management and Budget. A copy of the Commissioner's Plan is available on the web at: at <http://www.mmb.state.mn.us/comp-commissioner> (click on "Commissioner's Plan" in the right side column). The Contractor will not be reimbursed for travel and subsistence expenses incurred outside Minnesota unless it has received the State's prior written approval for out of state travel. Minnesota will be considered the home state for determining whether travel is out of state.

4.2. Payment

- (A) **Invoices.** The State will promptly pay the Contractor after the Contractor presents an itemized invoice for the services actually performed and the State's Authorized Representative accepts the invoiced services. Invoices must be submitted timely no more frequently than monthly.
- (B) **Retainage.** Under Minnesota Statute § 16C.08, subdivision 2 (10), no more than 90 percent of the amount due under any work order contract may be paid until the final product of the work order contract has been reviewed by the State's agency head. The balance due will be paid when the State's agency head determines that the Contractor has satisfactorily fulfilled all the terms of the work order contract.

5 Conditions of Payment

All services provided by the Contractor under a work order contract must be performed to the State's satisfaction, as determined at the sole discretion of the State's Authorized Representative and in accordance with all applicable federal, state, and local laws, ordinances, rules, and regulations. The Contractor will not receive payment for work found by the State to be unsatisfactory or performed in violation of federal, state, or local law.

6 Authorized Representatives and Project Managers

The State's Authorized Representatives for this master contract are Sherry Van Horn, Business Operations Manager, 651.201.2376 or Gordon Christofferson, Project Operations Manager, 651.201.2380 or his/her successor, and have the responsibility to monitor the Contractor's performance.

The State's Project Manager will be identified in each work order contract.

The Contractor's Authorized Representative is Michael Heuer, VP, mheuer@braunintertec.com, 952.995.2258. If the Contractor's Authorized Representative changes at any time during this master contract, the Contractor must immediately notify the State.

The Contractor's Project Manager will be identified in each work order contract.

7 Assignment, Amendments, Waiver, and Contract Complete

7.1 **Assignment.** The Contractor may neither assign nor transfer any rights or obligations under this master contract or any work order contract without the prior consent of the State and a fully executed Assignment Agreement, executed and approved by the same parties who executed and approved this master contract, or their successors in office.

7.2 **Amendments.** Any amendment to this master contract or any work order contract must be in writing and will not be effective until it has been executed and approved by the same parties who executed and approved the original contract, or their successors in office.

7.3 **Waiver.** If the State fails to enforce any provision of this master contract or any work order contract, that failure does not waive the provision or its right to enforce it.

7.4 **Contract Complete.** This master contract and any work order contract contain all negotiations and agreements between the State and the Contractor. No other understanding regarding this master contract or work order contract, whether written or oral, may be used to bind either party.

8 Indemnification

In the performance of this contract by Contractor, or Contractor's agents or employees, the contractor must indemnify, save, and hold harmless the State, its agents, and employees, from any claims or causes of action, including attorney's fees incurred by the state, to the extent caused by Contractor's:

- 1) Intentional, willful, or negligent acts or omissions; or
- 2) Actions that give rise to strict liability; or
- 3) Breach of contract or warranty.

The indemnification obligations of this section do not apply in the event the claim or cause of action is the result of the State's sole negligence. This clause will not be construed to bar any legal remedies the Contractor may have for the State's failure to fulfill its obligation under this contract.

9 State Audits

Under Minnesota Statute § 16C.05, subdivision 5, the Contractor's books, records, documents, and accounting procedures and practices relevant to any work order contract are subject to examination by the State and/or the State Auditor or Legislative Auditor, as appropriate, for a minimum of six years from the end of this master contract.

10 Government Data Practices and Intellectual Property

10.1. **Government Data Practices.** The Contractor and State must comply with the Minnesota Government Data Practices Act, Minnesota Statute Ch. 13, as it applies to all data provided by the State under any work order contract, and as it applies to all data created, collected, received, stored, used, maintained, or disseminated by the Contractor under the work order contract. The civil remedies of Minnesota Statute § 13.08 apply to the release of the data referred to in this clause by either the Contractor or the State.

If the Contractor receives a request to release the data referred to in this Clause, the Contractor must immediately notify the State. The State will give the Contractor instructions concerning the release of the data to the requesting party before the data is released.

10.2. Intellectual Property Rights

(A) *Intellectual Property Rights.* The State owns all rights, title, and interest in all of the intellectual property rights, including copyrights, patents, trade secrets, trademarks, and service marks in the Works and Documents *created and paid for under work order contracts.* Works means all inventions, improvements, discoveries (whether or not patentable), databases, computer programs, reports, notes, studies, photographs, negatives, designs, drawings, specifications, materials, tapes, and disks conceived, reduced to practice, created or originated by the Contractor, its employees, agents, and subcontractors, either individually or jointly with others in the performance of this master contract or any work order contract. Works includes "Documents." Documents are the originals of any databases, computer programs, reports, notes, studies, photographs, negatives, designs, drawings, specifications, materials, tapes, disks, or other materials, whether in tangible or electronic forms, prepared by the Contractor, its employees, agents, or subcontractors, in the performance of a work order contract. The Documents will be the exclusive property of the State and all such Documents must be immediately returned to the State by the Contractor upon completion or cancellation of the work order contract. To the extent possible, those Works eligible for copyright protection under the United States Copyright Act will be deemed to be "works made for hire." The Contractor assigns all right, title, and interest it may have in the Works and the Documents to the State. The Contractor must, at the request of the State, execute all papers and perform all other acts necessary to transfer or record the State's ownership interest in the Works and Documents.

(B) *Obligations*

1. *Notification.* Whenever any invention, improvement, or discovery (whether or not patentable) is made or conceived for the first time or actually or constructively reduced to practice by the Contractor, including its employees and subcontractors, in the performance of the work order contract, the Contractor will immediately give the State's Authorized Representative written notice thereof, and must promptly furnish the Authorized Representative with complete information and/or disclosure thereon.

2. *Representation.* The Contractor must perform all acts, and take all steps necessary to ensure that all intellectual property rights in the Works and Documents are the sole property of the State, and that neither Contractor nor its employees, agents, or subcontractors retain any interest in and to the Works and Documents. The Contractor represents and warrants that the Works and Documents do not and will not infringe upon any intellectual property rights of other persons or entities. Notwithstanding Clause 8, the Contractor will indemnify; defend, to the extent permitted by the Attorney General; and hold harmless the State, at the Contractor's expense, from any action or claim brought against the State to the extent that it is based on a claim that all or part of the Works or Documents infringe upon the intellectual property rights of others. The Contractor will be responsible for payment of any and all such claims, demands, obligations, liabilities, costs, and damages, including but not limited to, attorney fees. If such a claim or action arises, or in the Contractor's or the State's opinion is likely to arise, the Contractor must, at the State's discretion, either procure for the State the right or license to use the intellectual property rights at issue or replace or modify the allegedly infringing Works or Documents as necessary and appropriate to obviate the infringement claim. This remedy of the State will be in addition to and not exclusive of other remedies provided by law.

11 Affirmative Action Requirements for Contracts in Excess of \$100,000 and if the Contractor has More than 40 Full-time Employees in Minnesota or its Principal Place of Business

The State intends to carry out its responsibility for requiring affirmative action by its Contractors.

11.1 *Covered Contracts and Contractors.* If the Contract exceeds \$100,000 and the contractor employed more than 40 full-time employees on a single working day during the previous 12 months in Minnesota or in the state where it has its principle place of business, then the Contractor must comply with the requirements of

Minnesota Statute § 363A.36 and Minnesota Rule Parts 5000.3400-5000.3600. A contractor covered by Minnesota Statute § 363A.36 because it employed more than 40 full-time employees in another state and does not have a certificate of compliance, must certify that it is in compliance with federal affirmative action requirements.

11.2 **Minnesota Statute § 363A.36.** Minnesota Statute § 363A.36 requires the Contractor to have an affirmative action plan for the employment of minority persons, women, and qualified disabled individuals approved by the Minnesota Commissioner of Human Rights ("Commissioner") as indicated by a certificate of compliance. The law addresses suspension or revocation of a certificate of compliance and contract consequences in that event. A contract awarded without a certificate of compliance may be voided.

11.3 **Minnesota Rule Parts 5000.3400-5000.3600.**

(A) *General.* Minnesota Rule Parts 5000.3400-5000.3600 implement Minnesota Statute § 363A.36. These rules include, but are not limited to, criteria for contents, approval, and implementation of affirmative action plans; procedures for issuing certificates of compliance and criteria for determining a contractor's compliance status; procedures for addressing deficiencies, sanctions, and notice and hearing; annual compliance reports; procedures for compliance review; and contract consequences for non-compliance. The specific criteria for approval or rejection of an affirmative action plan are contained in various provisions of Minnesota Rule Parts 5000.3400-5000.3600 including, but not limited to, parts 5000.3420-5000.3500 and 5000.3552-5000.3559.

(B) *Disabled Workers.* The Contractor must comply with the following affirmative action requirements for disabled workers.

- (1) The Contractor must not discriminate against any employee or applicant for employment because of physical or mental disability in regard to any position for which the employee or applicant for employment is qualified. The Contractor agrees to take affirmative action to employ, advance in employment, and otherwise treat qualified disabled persons without discrimination based upon their physical or mental disability in all employment practices such as the following: employment, upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship.
- (2) The Contractor agrees to comply with the rules and relevant orders of the Minnesota Department of Human Rights issued pursuant to the Minnesota Human Rights Act.
- (3) In the event of the Contractor's noncompliance with the requirements of this clause, actions for noncompliance may be taken in accordance with Minnesota Statutes Section 363A.36, and the rules and relevant orders of the Minnesota Department of Human Rights issued pursuant to the Minnesota Human Rights Act.
- (4) The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices in a form to be prescribed by the commissioner of the Minnesota Department of Human Rights. Such notices must state the Contractor's obligation under the law to take affirmative action to employ and advance in employment qualified disabled employees and applicants for employment, and the rights of applicants and employees.
- (5) The Contractor must notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding, that the contractor is bound by the terms of Minnesota Statutes Section 363A.36, of the Minnesota Human Rights Act and is committed to take affirmative action to employ and advance in employment physically and mentally disabled persons.

(C) *Consequences.* The consequences for the Contractor's failure to implement its affirmative action plan or make a good faith effort to do so include, but are not limited to, suspension or revocation of a certificate of compliance by the Commissioner, refusal by the Commissioner to approve subsequent plans, and termination of all or part of this contract by the Commissioner or the State.

(D) *Certification.* The Contractor hereby certifies that it is in compliance with the requirements of Minnesota Statute§ 363A.36 and Minnesota RuleParts 5000.3400-5000.3600 and is aware of the consequences for noncompliance.

12 Workers' Compensation and Other Insurance

Contractor certifies that it is in compliance with all insurance requirements specified in the solicitation document relevant to this Contract.

Further, the Contractor certifies that it is in compliance with Minnesota Statute§ 176.181, subdivision 2, pertaining to workers' compensation insurance coverage. The Contractor's employees and agents will not be considered State employees. Any claims that may arise under the Minnesota Workers' Compensation Act on behalf of these employees or agents and any claims made by any third party as a consequence of any act or omission on the part of these employees or agents are in no way the State's obligation or responsibility.

13 Publicity and Endorsement

13.1 *Publicity.* Any publicity regarding the subject matter of a work order contract must identify the State as the sponsoring agency and must not be released without prior written approval from the State's Authorized Representative. For purposes of this provision, publicity includes notices, informational pamphlets, press releases, research, reports, signs, and similar public notices prepared by or for the Contractor individually or jointly with others, or any subcontractors, with respect to the program, publications, or services provided resulting from a work order contract.

13.2 *Endorsement.* The Contractor must not claim that the State endorses its products or services.

14 Governing Law, Jurisdiction, and Venue

Minnesota law, without regard to its choice-of-law provisions, governs this master contract and all work order contracts. Venue for all legal proceedings out of this master contract and/or any work order contracts, or its breach, must be in the appropriate state or federal court with competent jurisdiction in Ramsey County, Minnesota.

15 Payment to Subcontractors

(If applicable) As required by Minnesota Statute§ 16A.1245, the prime contractor must pay all subcontractors, less any retainage, within 10 calendar days of the prime contractor's receipt of payment from the State for undisputed services provided by the subcontractor(s) and must pay interest at the rate of one and one-half percent per month or any part of a month to the subcontractor(s) on any undisputed amount not paid on time to the subcontractor(s).

16 Minnesota Statute§ 181.59 The vendor will comply with the provisions of Minnesota Statute§ 181.59 which requires:

Every contract for or on behalf of the state of Minnesota, or any county, city, town, township, school, school district, or any other district in the state, for materials, supplies, or construction shall contain provisions by which the contractor agrees: (1) That, in the hiring of common or skilled labor for the performance of any work under any contract, or any subcontract, no contractor, material supplier, or vendor, shall, by reason of race, creed, or color, discriminate against the person or persons who are citizens of the United States or resident aliens who are qualified and available to perform the work to which the employment relates; (2) That no contractor, material supplier, or vendor, shall, in any manner, discriminate against, or intimidate, or prevent the employment of any person or persons identified in clause (1) of this section, or on being hired, prevent, or conspire to prevent, the person or persons from the performance of work under any contract on account of race, creed, or color; (3) That a violation of this section is a misdemeanor; and (4) That this contract may be canceled or terminated by the state, county, city, town, school board, or any other person authorized to grant the contracts for

employment, and all money due, or to become due under the contract, may be forfeited for a second or any subsequent violation of the terms or conditions of this contract.

17 Termination

17.1 **Termination by the State.** The State or commissioner of Administration may cancel this master contract and any work order contracts at any time, with or without cause, upon 30 days' written notice to the Contractor. Upon termination, the Contractor will be entitled to payment, determined on a pro rata basis, for services satisfactorily performed.

17.2 **Termination for Insufficient Funding.** The State may immediately terminate this master contract and any work order contract if it does not obtain funding from the Minnesota legislature or other funding source; or if funding cannot be continued at a level sufficient to allow for the payment of the services covered here. Termination must be by written or fax notice to the Contractor. The State is not obligated to pay for any services that are provided after notice and effective date of termination. However, the Contractor will be entitled to payment, determined on a pro rata basis, for services satisfactorily performed to the extent that funds are available. The State will not be assessed any penalty if the master contract or work order is terminated because of the decision of the Minnesota legislature or other funding source, not to appropriate funds. The State must provide the Contractor notice of the lack of funding within a reasonable time of the State's receiving that notice.

18 Data Disclosure

Under Minnesota Statute § 270C.65, Subdivision 3 and other applicable law, the Contractor consents to disclosure of its social security number, federal employer tax identification number, and/or Minnesota tax identification number, already provided to the State, to federal and state agencies and state personnel involved in the payment of state obligations. These identification numbers may be used in the enforcement of federal and state laws which could result in action requiring the Contractor to file state tax returns, pay delinquent state tax liabilities, if any, or pay other state liabilities.

19 E-Verify Certification (In accordance with Minn. Stat. §16C.075)

For services valued in excess of \$50,000, Contractor certifies that as of the date of services performed on behalf of the State, Contractor and all its subcontractors will have implemented or be in the process of implementing the federal E-Verify program for all newly hired employees in the United States who will perform work on behalf of the State. Contractor is responsible for collecting all subcontractor certifications and may do so utilizing the E-Verify Subcontractor Certification Form available at <http://www.mmd.admin.state.mn.us/doc/VerifySubCertForm.doc>. All subcontractor certifications must be kept on file with Contractor and made available to the State upon request.

20 Schedule of Exhibits

The following exhibits are attached and incorporated into this Master Contract.

Exhibit A: Sample Work Order

Exhibit B: Fee Schedule

Exhibit C: Consultant's Categories of Service and Experience

Exhibit D: State Insurance Requirements

Exhibit E: Affirmative Action Certification

Exhibit F: Certification Regarding Lobbying

Exhibit G: Not Used

Exhibit H: Not Used

Exhibit I: Affidavit of Noncollusion

1. CONTRACTOR – Braun Intertec Corporation

The Contractor certifies that the appropriate person(s) have executed the contract on behalf of the Contractor as required by applicable articles or bylaws.

By: *[Signature]*

Title: Vice President

Date: 11/7/2014

2. STATE AGENCY – Department of Administration

By: *[Signature]*
(with delegated authority)

Title: _____

Date: 11/3/14

3. COMMISSIONER OF ADMINISTRATION

As delegated to Materials Management Division

By: *[Signature]*

Date: 11/17/2014

40494

Exhibit A

SAMPLE STATE OF MINNESOTA PROFESSIONAL AND TECHNICAL SERVICES WORK ORDER CONTRACT

This work order contract is between the State of Minnesota, acting through its _____ ("State") and _____ ("Contractor"). This work order contract is issued under the authority of Master Contract T-Number 15ATI, SWIFT Number _____, and is subject to all provisions of the master contract which is incorporated by reference.

Work Order Contract

1 Term of Contract

1.1 **Effective date:** _____, or the date the State obtains all required signatures under Minnesota Statute § 16C.05, subdivision 2, whichever is later.

The Contractor must not begin work under this contract until this contract is fully executed and the Contractor has been notified by the State's Authorized Representative to begin the work.

1.2 **Expiration date:** _____, or until all obligations have been satisfactorily fulfilled, whichever occurs first.

2 Contractor's Duties

The Contractor, who is not a state employee, will: _____.

3 Consideration and Payment

3.1 **Consideration.** The State will pay for all services performed by the Contractor under this work order contract as follows:

(A) **Compensation.** The Contractor will be paid _____.

(B) **Travel Expenses.** Reimbursement for travel and subsistence expenses actually and necessarily incurred by the Contractor as a result of this work order contract will not exceed \$ _____.

(C) **Total Obligation.** The total obligation of the State for all compensation and reimbursements to the Contractor under this work order contract will not exceed \$ _____.

3.2. **Invoices.** The State will promptly pay the Contractor after the Contractor presents an itemized invoice for the services actually performed and the State's Authorized Representative accepts the invoiced services. Invoices must be submitted timely and according to the following schedule:

4 Project Managers

The State's Project Manager is _____. The State's Authorized Representative will certify acceptance on each invoice submitted for payment.

The Contractor's Project Manager is _____. If the Contractor's Project Manager changes at any time during this work order contract, the Contractor must immediately notify the State.

SIGNATURES AS REQUIRED BY THE STATE.



Exhibit B

Section 4.1 fee, hourly rates, travel and reimbursable expense requirements take precedence in the event of a conflict.

MMH
SV

State of Minnesota
RECS RFP for Testing and Inspection Services
G0211-2000003225
October 6, 2014

Fee Proposal:

Rates will be charged according the the following
Fee Schedule less 10%

Schedule of Charges

(effective August 1, 2013)

For Government

Braun Intertec Corporation

Service Locations

Minneapolis, MN
St. Paul, MN
Albertville, MN
Duluth, MN
Hibbing, MN
Mankato, MN
Rochester, MN
St. Cloud, MN

Cedar Rapids, IA

St. Louis, MO

Bismarck, ND
Dickinson, ND
Minot, ND
Watford City, ND
West Fargo, ND
Williston, ND

La Crosse, WI
Milwaukee, WI

Geotechnical Services

Hourly rates apply for regular-time (8 hours or less on weekdays). Hourly rates do not include support truck or carrier rental or use, mileage, supplies consumed in drilling or abandoned in test holes, or per diem expenses.

Drilling Equipment, Services & Personnel

1004 Truck or skid mounted drill rig, includes: crew chief and drill rig assistant, per hour 240

Additional for all-terrain drill rig, per hour:

1062 Flotation tire 64
1063 Track mounted 86

1087 Mobilization †
5669 Daily mobilization expense (includes support truck rental and mileage, drill rig mileage, plus tractor/lowboy mileage, if applicable, per day 344

1065 Low-boy tractor/trailer, round trip 454
1066 Low-boy tractor/trailer, per mile 3.30
1067 Low-boy tractor/trailer, per day 170

1005 Travel time, drill crew or two-person field crew, per hour 240

1018 Overtime addition to all two-person operations for work on Saturday or in excess of 8 hours per day on weekdays, per hour 44

1019 Overtime addition to all two-person crew operations for work on Sunday, per hour 91

Additional crew person - when special conditions require (in addition to hourly charges of "1004" and "1005" above):

1014 Regular time basis, per hour 74
1016 Overtime basis, per hour 95
8300 Site layout & utility clearance, per hour 107

Consumable Materials:

1011 Well materials, 2" PVC, per foot (excludes well protection and protective casing) 8.75
1039 Well materials, 2" black iron, per foot (excludes well screen, well protection and protective casing) 14.50
1088 Stainless steel well screen, per 10', each 381
1058 Protective casing materials, each 225
1070 Bore hole abandonment materials, per foot 2.15
1073 Sealing records, each 63
1022 Thin-walled sample tubes (ASTM D 1587), each 27
3026 Drum, steel 55 gallon, with lid, each 66

Other Expense Charges and Miscellaneous Services:

1044 Surcharge for continuous tube sample system (2-1/4" x 5"), per hour 41
1068 Material for specialized unrecoverable installations such as piezometers, monitoring wells, well-points, settlement plates, etc. Rental of road signs or equipment, special insurance, permits. Consumable supplies such as roller bits, drilling fluid additives, grout, level B-C-D protection, etc. Cost
1072 Subcontracted specialized services such as snow plowing, grading for access, towing, etc. Cost
1074 Welder or shop person on fabricating, assembly, or loading of specialized equipment, per hour 89

1080 Steam cleaning of drill rig and tools, per steam (equipment only) 128

GeoProbe Equipment, Services & Personnel

6902 GeoProbe services (DT325/DT22), per hour 198
6922 Additional crew person for auger borings, per hour 49
6930 Overtime addition per person for work on Saturday or in excess of 8 hours per day on weekdays, per hour 23
6900 GeoProbe & support vehicle, daily mobilization 336
6910 GeoProbe grouting/sealing material, per foot 2.25
6914 Soil gas sampling tubing & expendable tip, per sample 50
6920 Piezometer installation (3/4" or 1" PVC), per foot 6
6007 Piezometer materials (3/4" or 1" PVC), per foot 6.25

CPT Equipment, Services & Personnel

Both the following charges are required for CPT services:

6602 CPT rig, 20-ton track & support vehicle, per day 1,530
6604 CPT two-person crew & consumables, per hour 274

6610 Overtime addition to two-person crew, per hour 56
6626 Soil sampling <50' depth, per sample 218
6612 CPT grouting/sealing material, per foot 1.40
6620 Seismic wave analysis 274
6624 Dissipation testing, per 1/4 hour 69

Dilatometer testing:

6030 Setup, <40' depth 685
6031 Setup, >40' depth 959
6032 Per test 65

1066 Low-boy tractor/trailer, per mile 3.30
1067 Low-boy tractor/trailer, per day 170

Geotechnical Equipment Rental

1030 Vane shear equipment (ASTM D 2573), per day 317
1032 Electrical resistivity equipment (ASTM G57), per day 237
1040 Pressure meter equipment, per day 654
1041 Pressure meter testing, per test 95
1056 Portable 10-ton capacity CPT equipment (in addition to drill rig charge), per day 477

† Quoted on an individual basis

Laboratory Tests of Soils

1152	Moisture content (ASTM D 2216)	18.50
1154	Moisture content and density	34
1156	Atterberg Limits: LL and PL (ASTM D 4318)	107
1157	Atterberg Limits: LL and PL (AASHTO T89 and T90 and Wet Preparation (AASHTO T146)	144

Grain Size Analysis

1162	Sieve analysis through No. 200 Sieve (ASTM D 1140, D 6913)	131
1680	Rush surcharge	33
1679	Rush surcharge	18.50
1170	Hydrometer analysis only (ASTM D 422)	105
1172	Mechanical (sieve-hydrometer analysis (ASTM D 422)	172
1174	Organic content (ASTM D 2974)	74
1176	Specific gravity of fine-grained soils (ASTM D 854)	126

Permeability

1180	Granular soils, less than 10 percent fines (ASTM D 2434)	348
1183	Clay perm (ASTM D 5084, EPA 9100, or COE undisturbed sample, includes extrusion)	504
1185	Clay perm (ASTM D 5084, EPA 9100, or COE remolded sample, does not include Proctor)	603
Double ring-infiltrometer test (ASTM D 3385):		
1193	Granular soils	557
1194	Cohesive soils	781
Guelph permeameter infiltration test:		
1177	Granular soils	557
1178	Cohesive soils	781
6102	Equipment rental for double ring-infiltrometer or Guelph permeameter, per test	57

Strength and Compressibility Testing

1186	Unconfined compression (ASTM D 2166)	91
1190	Direct shear, granular soil (3 point test) (ASTM D 3080)	581
1192	Direct shear, cohesive soil (3 point test) (ASTM D 3080)	760
1196	Consolidation testing, one-dimensional (strain vs. pressure curve only) (ASTM D 2435)	390
1198	Consolidation testing, time-rate (e-log p curve, time-deflection curves, and cv, Pc, and Cc values) (ASTM D 2435)	583

One Dimensional Swell Test

1202	Maximum swell pressure (ASTM D 4546)	303
Triaxial testing (per 3 points, remolded or extruded, does not include Proctor):		
1206	Unconsolidated-Undrained (ASTM D 2850)	837
1208	Consolidated-Undrained (includes pore-pressure measurements) (ASTM D 4767)	1,250
1210	Consolidated-Drained (includes pore-pressure measurements)	1,540
1211	Consolidated-Drained (without pore-pressure measurements)	1,540

Corrosion Potential and Miscellaneous

1214	pH determination (ASTM G 51)	24
1216	Electrical resistivity of soils (ASTM 187-5)	74
3238	Thermal conductivity of soil (ASTM D 5334)	303
1218	Oxidation-reduction	64
1220	Sulfate (concrete)	38
6146	Sulfate (soil) (ASTM C 1580-05)	335
1222	Sulfide (metals)	87
4084	Sulfate, total (soil)	87
1226	Topsoil testing, MN/DOT 3877A (without nutrients)	270
1228	Topsoil testing, MNDOT 3877B (with nutrients)	334
1229	Topsoil testing, nutrients	76
1232	Sample preparation, per hour	76
1234	Extrusion of thin-walled tube	31

Construction Testing and Observations

Earthwork (excavation observation, compaction control testing, special foundation installations)

260	Batch plant inspection	110
1308	Nuclear moisture-density meter charge in addition to hourly rates in section "100 Personnel Services," per hour	21
1310	Field laboratory rental including utilities, if required	†
1314	Compaction test, Sand-Cone Method (ASTM D 1556), or Nuclear Method (ASTM D 2922) (normal conditions)—(plus standby, travel time and vehicle charges), per test	42
1318	Proctor test (ASTM D 698 or ASTM D 1557)	182
6170	Rush surcharge	44
1322	One-point Proctor check	70
1324	Maximum-minimum density of cohesionless soils (ASTM D 4523, D 4254)	303
A1904	Settlement plates	96

Deep Foundation and Vibration

1342	Pile Driving Analyzer™ equipment rental, per day	1,160
1343	Wave Equation analysis	278
1344	CAPWAP analysis	570

Seismograph monitor:

1346	Monitor only, per day	180
1348	Monitor only, per week	414
1349	Monitor only, per month	842
1570	With modem, per day	186
1571	With modem, per week	435
1572	With modem, per month	914
1573	With X100 geophone, per day	191
1574	With X100 geophone, per week	443
1575	With X100 geophone, per month	955
1576	With modem and X100 geophone, per day	196
1577	With modem and X100 geophone, per week	464
1578	With modem and X100 geophone, per month	1,027

1347	Static or cyclic load testing (compression, tension with environmental control)	†
------	---	---

Concrete

1357	Concrete strength development curve, each	253
1362	Maturity meter rental, per pour	4.30

Laboratory moist-curing of concrete delivered to laboratories:

1369	Compression testing 4" x 8" cylinders (ASTM C 39) and concrete unit processing, handling and mold (cast by Braun Intertec), per unit	29
1364	Compression testing 6" x 12" cylinders (ASTM C 39) and concrete unit processing, handling and mold (cast by Braun Intertec), per unit	31
1363	Compression testing (ASTM C 39) (cast by others), per unit	33
1366	Accelerated curing and testing (ASTM D 684), per unit	81
1367	Standard curing and testing of flexural beams—includes mold rental and cleanup (ASTM C 78 and ASTM C 293), per unit	118

1368	Splitting tensile strength of 6" x 12" concrete cylinder or concrete cores (ASTM C 496), per sample	89
1370	Sample preparation, per hour	69
1371	Dry unit weight (ASTM C 567), per set	113
1372	Specific gravity and voids (ASTM C 642), per unit	214
1380	Sawing of concrete unit (ASTM C 31), per cut	13

Concrete cylinder molds (includes labels and data slips):

1386	Concrete cylinder molds, each	3.20
1392	4" x 4" "cippoc" molds, each	37
1394	Rental of steel mold, per use	30
1395	Specialty mold rental (cubes and beams), per use	46
1385	Curing cooler, each	27
1396	Concrete cylinder "hot box" during winter construction, per month	95
1397	Compressive strength of cippocs (ASTM C 873)	76
1398	Concrete coring—portable core drill with diamond bits at 2- to 12-inch diameter, crew. Excludes mileage, truck rental and bit wear (3-hour minimum), per hour	192
1405	Bit wear and patch material, per core	21
1400	Core truck, per day, plus mileage	124
1401	Compressive strength of concrete cores including physical measurements and trimming (ASTM C 42), each	97

Petrographic

No discounting will apply

Petrographic analysis of concrete (ASTM C 856):

1460	Observations, thin section and hardened air content, per sample	1,433
2101	Observations and thin section only, per sample	1,008
5182	Observations only, per sample	1,273
5283	Thin section only, per sample	828

2102	Hardened air content analysis (ASTM C 457), per sample	764
2103	Estimated hardened air content (abbreviated ASTM C 457), per sample	478

Petrographic analysis of coarse aggregate (ASTM C 295), includes analysis over 7 screens:

1742	Quarried material, per sample	1,857
2104	Pit-run material, per sample	2,112
2105	Petrographic analysis of fine aggregate (ASTM C 295), includes analysis over 7 screens, per sample	1,591
2108	Petrographic analysis of aggregate, each additional screen	308

Petrographic analysis of mortar (ASTM C 1324):

2106	Petrographic and chemical analysis (§8 and §9), per sample	3,130
2107	Petrographic analysis only (§8), per sample	1,634

† Quoted on an individual basis

Masonry

Concrete Masonry Units - Standard:

1403	Compressive strength (ASTM C 140) RWU, each	46
1404	Compressive strength (ASTM C 140), Block, each	46
1402	Absorption of RWU (ASTM C 140), each	64
1406	Physical measurements and absorption (ASTM C 140), each	66
1407	Net area determination (ASTM C 140), each	46
1408	Brick prism assembly (ASTM C 1314, E 447), each	107
1409	Compressive strength – Hollow block prisms (ASTM C 1314), each	179
1411	Compressive strength – Grout block prisms (ASTM C 1314), each	222
1412	Compressive strength – Grout (ASTM C 1019), each	66
1421	Linear shrinkage (ASTM C 426), each	741
1424	Freeze/thaw of RWU (ASTM C 1262), per set of 5	840
1426	Fire rating (UBC or NCMA), each	21
1413	Freeze/thaw of brick and concrete pavers (ASTM C 67), per set	922
1410	Modulus of rupture, per set (ASTM C 67/C 216)	278
1431	Brick weight per unit area (ASTM C 67/C 216)	147
1434	Brick measurement of length change (ASTM C 67/C 216)	738
1435	Brick void area in cored units (ASTM C 67/C 216)	293
1438	Brick void area in deep frogged units (ASTM C 67/C 216)	294
1444	Brick measurement of squareness (ASTM C 67/C 216)	276
1453	Brick shell and web thickness (ASTM C 67/C 216)	234
1454	Brick breaking load (ASTM C 67/C 216)	293
1415	Efflorescence of brick or masonry units (ASTM C 67/C 216), per set of 10 samples	187
1416	Initial rate of absorption (ASTM C 67/C 216), per set	187
1417	Compressive strength (ASTM C 67/C 216), per set	170
1418	Absorption and saturation coefficient (ASTM C 67/C 216), per set	240
1419	Dimensional analysis (ASTM C 67/C 216), per set	234
1423	Warping (ASTM C 67/C 216), per set	277

Specialty Concrete

1427	Locate reinforcing steel, Pachometer, per hour	118
1432	Compression of cast stone	46
1433	Rental of Windsor probe, Schmidt Hammer or profometer, per day	95
1437	Length change of hardened concrete (ASTM C 157), per set of 3 samples	591
1439	Absorption of cast stone	61
1441	Rapid freeze/thaw (ASTM C 666), per set	949
1448	Water-soluble chloride ion (ASTM C 1218), per sample (\$250 minimum)	140
1449	Acid-soluble chloride ion content (ASTM C 1152), per sample (\$250 minimum)	140
1450	Bulk sample preparation, per sample	111
1456	Rapid chloride permeability (ASTM C 1202), per set of three samples	548
1459	Diffusivity determination, section method, each	787
1436	Rental of V-meter, per day	424
1462	Rental of Windsor pin, per day	279
1463	Adiabatic heat measurement (does not include trial batching), per mix	728
1466	Setting time (ASTM C 403), per sample	315

Cement

1476	Fineness of cement by air permeability (ASTM C 204), per sample	111
1480	Casting of mortar cubes, laboratory mixed (does not include mold rental and cleanup) (ASTM C 109), set of 6	186
1481	Compressive strength of cement mortar cubes (ASTM C 109), per unit	29
1486	Mortar-aggregate ratio test (ASTM C 790 Annex A4)	88

Mortar

Compressive strength of 2" x 2" mortar cube (ASTM C 109):		
1490	Field cast, each	29
1492	Laboratory cast, each	33
Bond Strength of Mortar to Masonry Units (ASTM C 952):		
1501	Brick (field cast), each	57
Flexural bond strength of brick units (ASTM E 518):		
1506	Field cast, each	169
1507	Laboratory cast, each	264
1510	Water retention (ASTM C 91), per sample	189
Flexural bond strength of brick units (ASTM C 1072):		
1516	Prism testing, per prism	334

Bituminous

1525	Sample preparation, per hour	76
1526	Marshall design point	202
1528	Rice specific gravity (ASTM D 2041)	80
1529	Gyratory design point	229
1530	Asphalt content (ASTM D 2172/6307)	152
3318	Bulk specific gravity/density, using Corelok (ASTM D 6752)	64
1532	Extracted aggregate gradation (ASTM D 5444)	105
1534	Marshall stability and flow (set of 3) (ASTM D 6926)	64
1540	Marshall density testing, triple specimen (ASTM D 6926)	123
5342	Thickness of pavement core (ASTM D 2726)	16.50
1542	Thickness and density of pavement core (ASTM D 2726)	51
1544	Moisture susceptibility of bituminous (ASTM D 1075)	321
1545	Draindown characteristics of asphalt (ASHTO T305 or ASTM D6390)	112
1552	Bituminous coring—portable core drill with diamond bits at 2- to 12-inch diameter, crew. Excludes mileage, truck rental and bit wear (3-hour minimum), per hour	192
1555	Bit wear and patch material, per core	20
1558	Lottman stripping (AASHTO T283)	347
1563	Laboratory mix design (Gyratory)	†
1567	Resilient modulus of bituminous, per core	†
1568	Gyratory gravity (AASHTO T312)	182

Soil and Aggregate Testing for Concrete, Bituminous, Roofing, etc.

1162	Analysis through #200 sieve (ASTM C 136, C 117)	131
1166	#200 sieve only (ASTM C 117 or D 1140)	74
1684	Lightweight particles 2.0 specific gravity (ASTM C 123)	80
1685	Lightweight particles 2.4 specific gravity (ASTM C 123)	147
1686	Spall material (MN/DOT)	128
1688	Percent crushed (MN/DOT)	80
1692	Coarse aggregate specific gravity (ASTM C 127)	81
1694	Fine aggregate specific gravity (ASTM C 128)	123
1696	Modified Mill Abrasion (RR)	131
1698	Los Angeles Abrasion (ASTM C 131, C 535)	131
1700	Soundness (ASTM C 88), 5 cycles	322
1702	Flatness and elongation (ASTM D 4791)	97
1703	Flakiness index (BS 812)	159
1704	Potential reactivity (ASTM C 289)	1,232
1429	Potential reactivity (ASTM C 1260)	811
1705	Fine aggregate Angularity (FAA) (AASHTO T304)	78
1706	Unit weight (ASTM C 29)	74
1708	Mill abrasion (RR)	131
1712	Moisture content (ASTM C 566)	25
1714	Hardness (Scratch)	80
5396	Hardness (Moh's)	†
1716	Organic impurities (ASTM C 40)	64
1718	Clay lumps (ASTM C 142), per size tested	129
1720	Freeze-thaw (AASHTO T103)	320
Insoluble residue (MN/DOT):		
1723	Physical testing	182
1724	Preparation	45
1732	Hveem stabilometer R-Value (MN/DOT) (does not include proctor or classification tests)	450
1734	California bearing ratio, per molded specimen (ASTM D 1883)	298
1736	Sample preparation, per hour	72
1738	Sample crushing, per hour	89
1739	Resilient modulus of fine grain soils (molded)	424
1761	Resilient modulus of coarse grain soils and aggregate	453
1740	Specialized testing	†
1741	Sand equivalent (AASHTO T176)	131
Stone		
1746	Compressive strength, includes end cutting (ASTM C 170), per sample	111
1747	Unconfined compressive strength of intact rock core specimen (ASTM D 2938), per sample	111
1750	Absorption and specific gravity of stone (ASTM C 97), per sample	58
Geosynthetic and Pond Liner		
1753	Shear/Peel tests on field seams (HDPE, VLDPE), per sample	91

Window

(Note: cost of aerial platform, scaffolding, exterior heat and enclosure, winter conditions are not included and will be priced based on job conditions. Work does not include repair of access holes, replacement of broken window trim, paint or wallpaper repair.)

1772	Air and water infiltration testing, new construction QA (ASTM E 1105), per window	1,395
------	---	-------

Fire-Resistive Materials

1784	Thickness/Density, laboratory determination	49
1785	Adhesion/Cohesion testing, per test	43

Other Specialty Testing

1470	Vapor emission rate testing kit (ASTM F 1869), plus labor and trip charges for preparation, placement and removal	31
1471	Relative humidity probe (ASTM F 2170), plus labor and trip charges for preparation, placement and removal	59
1795	Dipstick rental (one week minimum), per week	648
1796	Dipstick rental (one week minimum), per additional day	192
1797	Anchor/pull out tests	192
9001	Vapor transmission test	26
3701	Infrared camera – thermography rental (\$250 per day minimum), per hour	79

Nondestructive Examination Services

Infrared:

1656	Services, per hour	201
1657	Services, overtime, per hour	249
1658	Report	196

1699	Thermographic imaging (minimum charge)	714
------	--	-----

Positive materials identification (PMI):

1654	Equipment only, per hour	50
1659	Equipment only, per day	300

Digital radiography, per day:

5431	Equipment only	500
------	----------------	-----

Welding Operator Examination

1604	Bend tests	243
1611	Radiography, AWS D1.1	130
1612	Bend tests, AWS D1.1	215
1613	Radiography, ASME/ANSI	130
1614	Bend tests, ASME/ANSI	215
1617	3/8" Weld test coupons, AWS D1.1, per set	43
1618	1" Weld test coupons, AWS D1.1, per set	58
1623	AWS D1.5 qualification	155

Weld Procedure Qualifications

1619	AWS D1.1, client provides machining	1,213
1620	ASME/ANSI, client provides machining	1,213
1622	AWS D1.2, client provides machining	1,213
1624	AWS D1.5, client provides machining	1,545
5569	Charpy test	155

NDE Equipment, per day

1626	MT yoke	26
6756	Black light	31
5567	Brinell hardness	26
2210	Ultrasonic thickness gauge	52
5269	Ultrasonic shearwave	103

NDE Consumables

1630	Consumable dry powder, per pound	31
1633	Portable visible spray, per can	31
1634	Portable fluorescent spray, per can	31
1636	Portable developer, per can	28
1637	Portable cleaner, per can	28
1638	Portable visible penetrant, per can	28
1639	Portable fluorescent penetrant, per can	31
1642	Cellulose gum (with certifications), per quart	58
1643	High temperature couplant, per 4 oz. tube	144

1646	4-1/2" x 10" film	5.75
1647	4-1/2" x 17" film	9.75
1648	14" x 17" film	34
1649	8" x 10" film	9.75
1650	5" x 7" film	6.25
1651	7" x 17" film	16.75
1652	10" x 12" film	16.75

70mm film, per weld:

5440	Up to 6"	17.50
5441	8" - 12"	22
5442	14" - 18"	29
5443	20" - 24"	36
5444	26" - 30"	43.50
5446	30" - 36"	51

Geophysical Testing

259	Ground penetrating radar, per hour	171
1443	Ground penetrating radar, per hour on site (includes equipment)	178
8640	Mobilization	228

Coatings

617	Inspections, per hour	125
627	Inspections, NACE certified, per hour	175
637	Specification review, per hour	150
1606	Elcometer 270 Holiday detector, per day	35
1607	PosiTest AT adhesion tester, per day	30
1608	Adhesion tests, each	15.50
2217	Field observation report	249
2227	Final report	432
2220	Coating thickness, stereomicroscopic with photographs, per sample	148
2210	Ultrasonic thickness gauge, per day	52

NDE Miscellaneous Expense

1662	Mobile darkroom, per day	74
1653	Radiography transponder, per day	61
1666	Report	444

Environmental Site Evaluation Services

Groundwater Sampling

Generator		
5000	Per day	98
5001	Per week	278
Monsoon pump (130') w/low flow control		
5003	Per day	206
5004	Per week	618
Submersible pump (40')		
5005	Per day	26
5006	Per week	72
5007	Flow meter or Stevens recorder, per day	37
Colorimeter (Hach DR\890)		
3103	Per day	46
3104	Per week	206
3093	Field test kit, per reagent parameter	17.50
Turbidity meter		
5011	Per hour	18.50
5012	Per day	72
5013	Per week	216
5017	Soil venting test equipment, per day	86
5018	Ordinary consumables, per well	18.50
Solinst Levellogger		
5137	Per day	69
5138	Per week	208
5139	Per month	515
YSI 556 water meter		
5019	Per hour	60
5020	Per day	236
5021	Per week	708
5025	Disposable bailer, each	18.50
5027	Field filtering water, per sample	22
Interface probe		
5080	Per hour	18.50
5081	Per day	91
5082	Per week	299
Water level tape		
5083	Per hour	15.50
5084	Per day	71
5085	Per week	214
3106	Boat, per day	103
3107	Pond sampling equipment, per day	129

Field Analysis/Air Quality

OVA flame ionization detector (FID)		
5029	Per hour	41
5030	Per day	237
5031	Per week	711
TVA-1000 FID/PID		
5032	Per hour	61
5033	Per day	243
5034	Per week	729
PID w/10.6 eV lamp		
5035	Per hour	36
5036	Per day	168
5037	Per week	556
PID w/11.8 eV lamp		
5038	Per hour	42
5039	Per day	201
5040	Per week	603
MSA Orion 4-gas meter		
5043	Per hour	26
5044	Per day	134
5045	Per week	474
Landtec methane monitor		
5049	Per hour	31
5050	Per day	178
5051	Per week	592
PDR-1000 aerosol monitor		
5052	Per hour	31
5053	Per day	144
5054	Per week	433
3024	Per month	1,298
Surveying equipment (laser level)		
5055	Per hour	18.50
5124	Per day	91
Lumex mercury monitor		
5063	Per day	416
5064	Per week	1,775
Apex air sampling pump		
5134	Per hour	13
5135	Per day	62
5136	Per week	186
Hand auger		
6002	Per day	52
3689	Per week	155
Metal detector/line locator		
5089	Per hour	19.50
5090	Per day	98
5091	Per week	294
3105	Rotary hammer drill, bit rental and wear, per day	72
5056	Video camera rental, per day	56
5057	Radon canister, each	43
5092	Master locks #2106 (brass), each	26
5093	ISCO sampler, per day	118

Industrial Hygiene Equipment/Supplies

Air sampling pump		
5072	Per day	52
Draeger pump		
5074	Per day	30
XRF spectrum analyzer		
5086	Per hour	122
5087	Per day	567
5088	Per week	1,700
5111	Zefon filter, each	10
5871	Asbestos field kit, per day	61

Safety Plans/Equipment

5108	Confined space tripod/hoist, per day	165
5112	Confined space blower, per day	83

Miscellaneous Equipment Rental/Supplies

Peristaltic pump		
3001	Per day	57
3102	Per week	227
Trimble GeoXH GPS (sub-meter horizontal only)		
5096	Per hour	26
5097	Per day	150
5098	Per week	450
Trimble R8 Rover GPS (horizontal and vertical)		
5099	Per hour	57
5100	Per day	309
5101	Per week	1,113

Reliance Letter, per addressee

Greater of \$1,000 or 10% of original project fee

Pavement Evaluation Services

Nondestructive testing and analysis flexible pavements		
8620	Falling Weight Deflectometer (FWD) testing, per hour	404
8000	FWD testing (country road), per mile	3.75
8640	Mobilization	228

100 **Personnel Services, per hour***

121	Engineer-in-training	95
118	Staff Engineer/Geologist	120
126	Project Engineer/Geologist	155
128	Senior Engineer/Geologist	180
130	Principal Engineer	220
133	Principal Consultant	270

320	Staff Scientist	120
330	Project Scientist	140
340	Senior Scientist	150
338	Senior Industrial Hygienist	195
350	Principal Scientist	200

150	Building Sciences Technologist	135
157	Staff Architect	150
151	Roofing Specialist	150
156	Project Architect	140
155	Principal Architect	215
257	Forensic Engineering & Architecture	245

Field and office services, regular hourly rates

102	Technician I	70
106	Technician II	80
110	Technician III	90
111	Technician IV	100

138	Project Assistant	75
-----	-------------------	----

226	Project Manager	140
228	Senior Project Manager	175

371	CADD/Graphics Operator	110
372	Senior CADD/GIS Operator	130
375	GIS Technician	110
494	IT Consultant	150
493	Senior IT Consultant	200

Clerical Services

1904	Library retrieval for additional copies after initial distribution of report	77
3766	24" x 36" or larger color plot, each,	9.25
3768	24" x 36" or larger black & white plot, each	6

Nondestructive Examination (NDE) Technicians, regular hourly rates**

108	Level II NDE Technician	105
629	Magnetic Particle	
635	Liquid Penetrant	
640	Ultrasonic	
645	Solo Technician-Radiography	

200	ICC Structural Steel Technician/Observer	110
-----	--	-----

600	RT Forensic	185
-----	-------------	-----

112	AWS-Certified Weld Inspector	110
-----	------------------------------	-----

613	Radiography, two-man crew (IR-192)	170
-----	------------------------------------	-----

619	Radiography, three-man crew (IR-192)	235
-----	--------------------------------------	-----

254	PMI (positive material identifier) services	200
-----	---	-----

615	Radiography, two-man crew (Co-60)***	220
-----	--------------------------------------	-----

107	API 510/570/653 Technician	125
-----	----------------------------	-----

117	Level III NDE services	125
-----	------------------------	-----

602	CR Radiography	225
-----	----------------	-----

Overtime

Reduced weekly and monthly rates available for continuous service. Regular hourly rates apply during normal work hours of 7 a.m. to 4 p.m., Monday through Friday. Services provided to meet project requirements or the contractor's construction schedule *outside* the normal work hours or exceeding 8 hours per day will be invoiced using an overtime rate factor.

* The factor for services provided outside the normal work hours or on Saturday will be 1.25 times the regular hourly rate for the service provided. The factor for services provided on Sunday or legal holidays will be 1.5 times the regular hourly rate for the service provided.

** The factors for NDE services provided outside the normal work hours or on Saturday will be 1.35 times the regular hourly rate for the service provided. The factor for NDE services provided on Sunday or legal holidays will be 1.85 times the regular hourly rate for the service provided.

*** Co-60 work may require three-man crew. Code 615 plus Assistant code 614.

Miscellaneous Expense

1661	Vehicle mileage, per mile	IRS rate
2012	Per diem, meals only	Per Owner Travel Regs
6579	Per diem, meals & lodging	Per Owner Travel Reg
1866	Subcontracted services	Cost
3715	Project supplies and equipment not covered elsewhere	Cost

† Quoted on an individual basis

Exhibit C

CONSTRUCTION TESTING AND INSPECTION SERVICES

Name of Firm Braun Intertec Corporation Proposal
Dated 10/06/2014

Responder shall indicate by checking the boxes below the categories of tests and inspections for which the firm is qualified.

***Attach project experience and reference information for each bolded category of service selected; a minimum of three (3) project references for each bolded category of service selected is required (see RFP Selection Process items 2 and 3 for further information).**

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 Cone Penetration Test, Resistivity Testing, Ground Penetrating Radar

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 Concrete Petrography, Ground Penetrating Radar, Windsor Probe Test, Maturity Testing, Concrete Coring, Lightweight Testing, Epoxy and Expansion Bold Observation and Testing
- Other International Code Council Certified Special Inspectors

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 Windsor Pin Testing, Property Condition Assessment and Restoration Engineering
- Other International Code Council Certified Special Inspectors

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 Welder Qualification Testing, Bolt Testing, X-ray Technology, Material Identification
- Other International Code Council Certified Special Inspectors

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 Falling Weight Deflectometer Test, High-speed Ground Penetrating Radar

Fireproofing / Firestopping Testing and Inspection

- Test Installed Spray-on Fireproofing for Thickness, Density, Adhesion
- Observe and Document Installation of Fire-Resistive Joint Systems
- Other International Code Council Certified Special Inspectors

Other

- Window/Curtain Wall Testing and Inspection
- Roofing/Waterproofing Testing and Inspection

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:

A. Describe Responder's qualifications, including unique qualifications:

See attachment.

Company Introduction

Our Clients. Our People. Our Work.

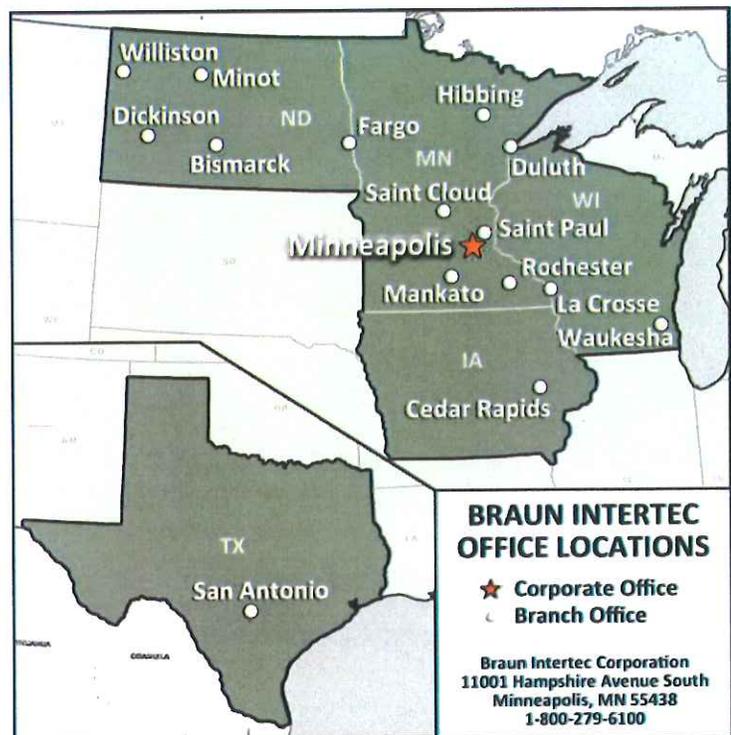
For more than 50 years Braun Intertec has provided geotechnical, environmental and testing solutions in the private and public sectors. Each day our 100% employee-owned company strives to become your consultant, the one you turn to time after time to get the job done. We accomplish this by providing reliable, cost-effective and innovative solutions. That's what we've been delivering for more than 50 years. That's Braun Intertec.

An Interdisciplinary Approach.

Today we're proud to be an employee-owned firm offering a comprehensive scope of award-winning services. These include engineering, environmental and laboratory testing, geothermal consulting, and materials testing for the commercial, industrial, energy, institutional, construction and government sectors. Our interdisciplinary approach means we're there for you during all stages of the project - from planning, to design and construction, to ongoing management and operations. You'll find there are few firms who can bring you this broad scope of services, level of accountability and personal attention.

Specialized Service From Knowledgeable People.

Our team of 700+ engineers, scientists, managers and field personnel specialize in more than 50 technical disciplines. Their expertise, experience and commitment to excellence have brought Braun Intertec to the forefront as an industry leader. With rigorous quality assurance/quality control programs and numerous national accreditations, you'll find reliable and cost-effective solutions, regardless of your project scope. At Braun Intertec, our most important resource is our people. Our employee-owners bring their expertise and passion for results to our clients throughout the country. We're the people you can rely on to be your partner and source of knowledge from start to finish. Every day. On every project.



Our Services

We enjoy what we do, and it's reflected in our level of service.

At Braun Intertec we are committed to being your full-service professional geotechnical, environmental consulting and testing firm. This interdisciplinary approach is based on creative problem solving, proactive planning and comprehensive support from Braun Intertec experts. We can provide you with a mix of services to meet your needs in the most cost-effective, efficient and timely manner.

Below is an overview of the services that Braun Intertec provides:

- Geotechnical Engineering and Consulting
 - Drilling Services
 - Materials Laboratory Testing
- Construction Materials Testing
 - Concrete Consulting Group
- Nondestructive Examination (NDE)
 - Environmental Consulting
 - Building Science Services
 - Geothermal Consulting



Geotechnical Engineering and Consulting

Braun Intertec provides geotechnical support services to project owners, contractors, engineers and architects during all phases of a project. Our engineers play a key role in a project early on by providing reliable expert analysis and recommendations based on years of experience on projects ranging in size and complexity. We believe it is critical to have knowledgeable engineering and field personnel to coordinate testing activities, anticipate potential problems, provide feasible recommendations and work with contractors and control budgets.

Services include:

- Drilling
- Site reconnaissance and preliminary evaluation
- Geotechnical field exploration
- Analysis of alternative foundation systems
- Quality program development
- Testing and inspections program development
- Excavation observations
- Soil density and compaction testing
- Drilled pier observation
- Vibration monitoring
- Pile Driving Analysis



Drilling Services

Drilling has been at the core of Braun Intertec services for more than five decades. We have established a reputation for high quality, quick response and competitive pricing. We have achieved this by employing qualified, HAZMAT-certified staff; using well-maintained equipment; responding to client needs for fast, competitive service with flexible scheduling; and providing a full scope of specialized drilling services.

Our crews have a broad understanding of drilling procedures and specifications, including American Standards of Testing Materials (ASTM), Occupational Safety and Health Association (OSHA), Environmental Protection Agency (EPA), and various state requirements for projects involving complex geotechnical evaluations for construction and analysis of buildings and infrastructures. In addition, crewmembers receive regular training to maintain and expand their knowledge of safety, soils classification and drilling techniques.



Using the largest drilling fleet in the area — a total of 21 drill rigs — we provide a wide range of soil, rock, and environmental drilling services on virtually any terrain. The drilling fleet includes nine truck mounts, six 4-wheel drive flotation-tire carriers, three track carriers, one skid-mounted auger drill rig, one track-mounted Geoprobe® rig and one track-mounted CPT rig. With this equipment virtually any site is accessible, including inside existing buildings or over water.

Materials Laboratory Testing

Braun Intertec operates as an independent laboratory, with in-depth experience performing soil index property and construction materials testing, including construction aggregates, concrete, bituminous, masonry and soils. We also offer forensic and product development testing. Our laboratory is accredited by the American Association of State Highway and Transportation Officials (AASHTO) and the US Army Corps of Engineers.



Testing services include:

- Visual inspection and physical measurements of asphalt and concrete cores
- Specific gravity of soils and paving materials
- Asphalt extraction and gradation
- Absorbency recovery
- Compressive and splitting tensile strength of concrete cores
- Air voids by linear traverse
- Gradation and hydrometer analysis of soils and Atterberg Limits
- Soil classification
- California Bearing Ratio (CBR) and R-value testing
- Triaxial soil strength and permeability testing
- Resilient modulus testing

Construction Materials Testing

As one of the **nation's premier consultants in construction materials testing services and special inspections**, we work on thousands of construction-related projects each year that cover the same broad spectrum as the clients we serve. Whether working on a school expansion in northern Minnesota, a high-rise in Minneapolis, a levee in Iowa, an oil pipeline in western North Dakota, a Wal-Mart in Milwaukee or a **county highway in Wisconsin**, we'll provide the same level of attention and service required to successfully complete your project.



Our extensive pool of certified technicians can quickly mobilize to your project site **whether it's across the street or across the country**. With our number of technicians, we have the flexibility to respond to **your projects under tight time constraints**. We'll even work around the clock, **seven days** a week when necessary.

Our construction material testing services include:

- Material testing including concrete, soil, masonry, concrete and bituminous pavement, steel and various building materials (field and laboratory)
- Quality assurance and quality control
- Batch plant inspections (asphalt and concrete)
- Construction observation

Materials testing and evaluation services:

- Vibration monitoring
- Pre-construction survey
- Pile driving analysis
- Pile Integrity Testing
- Batch plant inspections
- Department of Transportation quality assurance and quality control

Special Inspections

Braun Intertec is an industry leader in performing special inspections on construction-related projects. As a part of our core business philosophy, we are committed to providing a stringent quality assurance program. We support our commitment to you by requiring that our many special inspectors maintain International Code Council (ICC) certification in areas such as concrete reinforcement, masonry, structural steel and fireproofing. To become ICC-certified, our special inspectors must demonstrate competency in each certification category they pursue and be approved by building officials from the International Building Code (IBC).

Using our ICC-certified professionals with decades of accumulated experience, gives you confidence that your project will be inspected by qualified individuals who have succeeded in the programs and understand the details of the special inspection process related to:

- Pre-stressed concrete
- Concrete reinforcement
- Structural masonry
- Soils
- Structural steel and welding
- Spray-applied fireproofing
- EIFS
- Wood
- Deep foundations

Within each of these categories, we're able to conduct hundreds of tests and provide convenient and timely reporting from the site.

Pavement Management

Today's market requires owners to **prolong the life and serviceability** of their pavements in order to maximize the use of the limited funds available for an ever-aging infrastructure. Our Pavement Consulting Group has experts with knowledge in the analysis and evaluation of existing pavements, the design and construction of new pavements, pavement management, and conducting pavement research. By using sound engineering principles and advanced equipment, combined with proven and innovative design practices, our team can help you optimize the life and cost-effectiveness of your pavement infrastructure.



We perform a variety of pavement-related consultation services designed to supplement the decision-making process that pavement owners face with their existing and new pavements. Our goal is to provide a reliable course of action that offers a range of viable options for many pavement issues. Our services include:

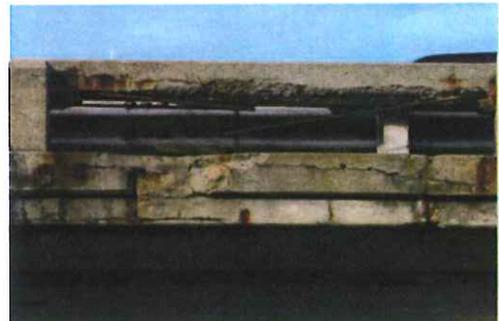
- Falling Weight Deflectometer (FWD) Testing
- Ground Penetrating Radar (GPR) Surveys
- Pavement Condition Index (PCI) Assessments and Pavement Data Integration
- Cold-In-Place Recycling (CIR) and Full-Depth Reclamation (FDR) Mix Design and Consulting
- Asphalt and Concrete Pavement Maintenance Recommendations and Timing
- Geotechnical Investigation for Pavement Design
- Pavement Failure Forensics
- Laboratory Evaluation of Pavement Materials
- Specification and Bid-Document Preparation and Review
- Construction QA/QC Testing and Inspection

Concrete Consulting Group

The Concrete Consulting Group at Braun Intertec has a wide range of capabilities to solve problems with concrete production, concrete performance, and existing concrete structures. Our experience ranges from petrographic analysis of portland cement basis products, to factors affecting concrete performance and nondestructive testing of concrete structures.

Concrete Forensics

One of the most fascinating things about this man-made rock we call concrete is that it is ever-changing. It is well understood that it hydrates and goes from a plastic to a hardened state but it continues to change after that. Our forensic abilities help you understand the changes that have occurred. Through petrographic analysis we provide an understanding of these changes and their effects.



Field Investigation

Laboratory testing must support the observations from the field and complement the forensics conducted by engineers. Our qualified professionals review field conditions of concrete structures and relate those observations to the laboratory analysis. This holistic approach provides our customers with solutions to their concrete concerns.

Nondestructive Examination (NDE)

Our NDE department is equipped to meet your needs with a staff that is fully capable of providing a wide range of services, which include:

- Computerized radiography (CR)
- Forensic X-ray services
- Ground penetrating radar (GPR)
- Industrial and architectural coatings
- Thermography
- Level III consulting services
- Welder performance/welding procedure qualifications
- Visual – API, AWS-CWI, ICC
- Liquid penetrant
- Magnetic particle
- Metallurgical services
- Positive material identification (PMI)
- Radiography (X-ray, Iridium 192, Cobalt 60)
- Ultrasonics



At Braun Intertec, we have the experience to back our reputation for the high-quality nondestructive examination services. This experience is critical in NDE because interpretation of the results is as important as accuracy in obtaining the information.

Our NDE department can help clients:

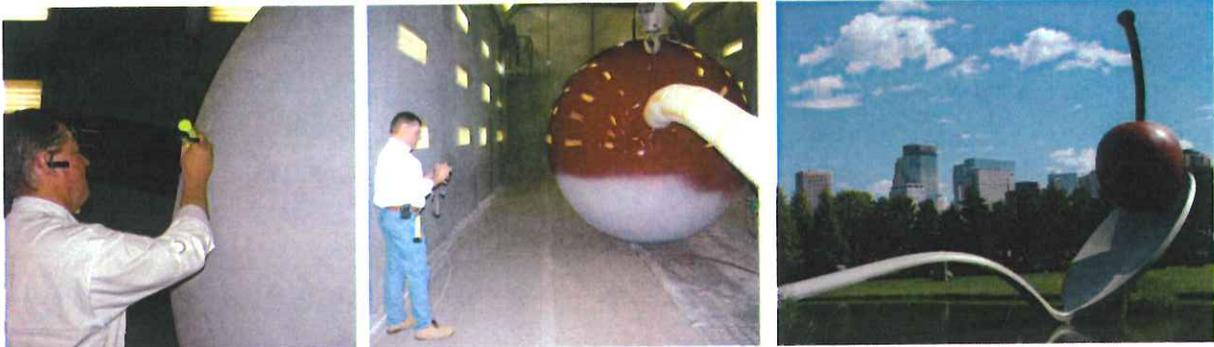
- Meet contractual requirements
- Meet requirements of commercial and industry codes and specifications
- Control costs and avoid expensive processing by identifying problems and unsatisfactory components
- Identify remaining life and retirement requirements through in-service inspections

ASNT, ACCP, TUV, API, AWS/CWI, NACE and ICC Inspectors

We have certified American Petroleum Institute Inspectors with 510 (pressure vessels), 570 (piping), and 653 (above ground storage tanks) certifications. We also have American Welding Society Certified Welding Inspectors and International Code Council Special Inspectors certified to inspect structural steel, welding and fireproofing. We have ASNT, ACCP and TUV nationally certified Level III and SNT-TC-

1A ACCP certified Level II technicians. In addition, we have a NACE certified professional for industrial and architectural coatings. We have provided non-destructive testing services to public and private clients in fields such as construction, aerospace, medical, automotive, manufacturing and utilities. We follow a quality control/quality assurance program for all non-destructive testing procedures, meeting many commercial and military codes and the standards of:

- American Society of Testing and Materials (ASTM)
- American Society of Non-destructive Testing (ASNT)
- American Society of Mechanical Engineers (ASME)
- American Petroleum Institute (API)
- American Welding Society (AWS)
- American Water Works Association (AWWA)
- American National Standards Institute (ANSI)
- National Association of Corrosion Engineers (NACE)



Environmental Consulting

Phase I Environmental Site Assessments

Braun Intertec conducts hundreds of Phase I Environmental Site Assessments each year. We understand that potential liabilities are our clients' greatest concerns, and that this report is critical to financing commercial transactions. By objectively and thoroughly conducting Phase I Environmental Site Assessments, we can identify and evaluate the potential or actual environmental hazards associated with a site and make recommendations that address concerns.

Phase II Environmental Site Assessments

Braun Intertec provides Phase II Environmental Site Assessments when a site's previous uses indicate the potential for contamination of soil or groundwater. We have well-established relationships with full-service national laboratories for the analysis of water, soil, air, asbestos, waste, wipes and other sample matrices. Matched with our tried-and-true in-house drilling capabilities, Braun Intertec is ready to tackle your site investigations.

In most instances, a Phase II Environmental Site Assessment includes placing soil borings in areas of suspected contamination and chemical analysis of soil samples. If groundwater is close to the surface or if contamination exists near the water table, groundwater monitoring wells may be necessary to fully define environmental impacts. If environmental hazards are found at a site, Braun Intertec will work with the property owner or prospective purchaser to develop a plan to clean up contamination. We will notify and meet with regulatory agencies and will provide cost-effective cleanup, if needed. With a well-designed investigation and cost-effective remedial action plan, undevelopable land becomes developable.



Remediation

Braun Intertec professionals have a proven track record for making sound recommendations while consulting with clients on environmental projects. Geologists, hydrogeologists, soil scientists, engineers and biologists are called upon for advice such as installation of monitoring wells, environmental health and safety requirements, sampling requirements and regulatory permitting.

Clients often retain Braun Intertec to evaluate which remedial technologies are most appropriate and cost-effective. Most remediation systems require proper maintenance year-round in order to be effective. Braun Intertec professionals have identified and solved many operational problems typically associated with treatment systems and have developed maintenance procedures that are in demand by contractors and consultants. Thus, Braun Intertec professionals understand the design, construction, implementation and operation of environmental restoration systems through years of experience. We have extensive project experience related to regulatory compliance services, site assessment and remediation services, including underground storage tank sites and pre-purchase property transfer sites, construction permitting and field services.

Construction Storm Water (SWPPP) Services

Braun Intertec has abundant and recent experience in design and inspection of construction storm water Best Management Practices (BMPs) required by federal and state Storm Water Pollution Prevention Plan (SWPPP) rules. By objectively **evaluating a construction site's potential to shed sediments** and other contaminants, to surface water during and after construction, we can identify and design cost-effective BMPs that will address regulatory requirements. We can also perform the weekly inspections required under SWPPP rules.



Brownfield Consulting

Braun Intertec is a regional leader in helping landowners develop environmentally stressed properties. We provide regulatory liaison services, including acquiring applicable liability-limiting assurance letters from the regulatory agencies, so that our clients' projects proceed smoothly through state-specific voluntary programs. We also help our clients explore and apply for available funding through brownfield development grant programs.

Whether the site is a former corner gas station or a manufacturing facility that takes up three city blocks, Braun Intertec provides the experience, depth and services to help transform blighted land into productive real estate.



Hazardous Materials Condition Assessment

Braun Intertec conducts hazardous building material assessments of the buildings to identify potentially hazardous building materials that may impact building occupancy and/or that require separate handling and/or disposal prior to building renovation/demolition. Our assessments are conducted by experienced and accredited asbestos building inspectors. Our services include:

- Visually examining accessible areas and identify the locations of suspect asbestos-containing material (ACM), lead, poly-chlorinated biphenyls (PCB), mercury, and other miscellaneous hazardous building materials.
- Collecting and analyzing representative bulk samples of materials suspected of containing asbestos.
- Conducting lead-based paint testing of deteriorated painted surfaces suspected of containing lead. The testing typically is accomplished using a Niton X-ray fluorescence (XRF) spectrum analyzer.
- Documenting the various materials' current conditions.
- Generating a final report documenting the sample locations, analysis results, conditions, and recommendations.
- Preparing an engineer's estimate of the probable costs for the removal and disposal of identified hazardous building materials.

Lead-based Paint Testing and Consulting

As part of our Property Management Services, Braun Intertec also provides lead-based paint testing and consulting services, including abatement consulting. We can identify and evaluate lead contamination or exposure problems and recommend effective, practical solutions. Contamination problems can occur in homes, public buildings and on construction work sites.

Asbestos Management

Braun Intertec helps public and private building owners, school districts, property managers, architects, developers, attorneys and lending institutions develop programs to effectively manage asbestos. Our clients receive cost-effective consultation to achieve compliance with asbestos-related regulations issued by the Environmental Protection Agency (EPA), Occupational Safety and Health Administration (OSHA), and state and local agencies. We have guided our clients through regulatory requirements since 1981. We can provide:



- **Asbestos management:** to help clients find a feasible and affordable program to solve their asbestos issues.
- **Building surveys:** accredited and licensed asbestos inspectors will conduct extensive surveys by collecting, documenting and analyzing samples.
- **Asbestos removal projects:** our certified industrial hygienist will help design and oversee the removal and provide on-site monitoring.

Risk Assessment

Risk assessment provides an evaluation of the potential adverse health effects, current or future, caused by hazardous substance release. The level of risk involved directly correlated to the degree of exposure and relative toxicity of a substance. Therefore, determining the existence and magnitude of an exposure, as well as the relative toxicity of the hazardous substance, are necessary steps in the assessment of risk.



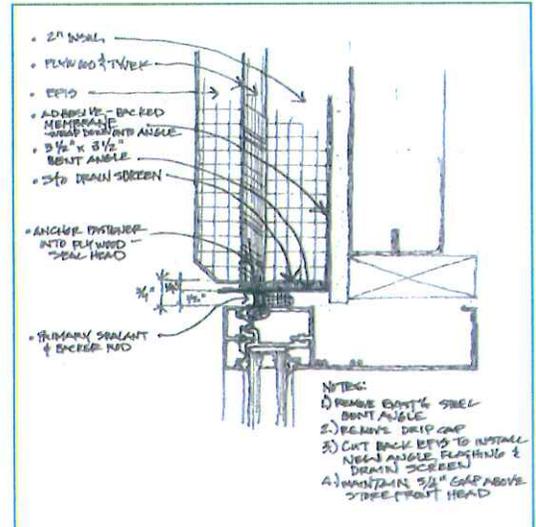
Braun Intertec takes a site-specific approach for exposure assessment, emphasizing realistic pathways and exposure scenarios. This, along with the use of the up-to-date toxicity information, contributes to accurate and practical risk assessments at Braun Intertec.

The results are used to:

- Determine the need for remedial action
- Identify sources, pathways and contaminants of concern
- Document risk magnitude
- Establish cleanup goals based on protection of human health and the environment

Building Science Services

Building Sciences is the detailed analysis of building enclosures – roofs, wall and windows – to understand how environmental factors impact a building's performance. Our Building Science professionals focus on improving the quality of design and construction to optimize building performance and reduce the risk of failures due to water penetration, condensation, and air infiltration. The building enclosure is impacted by a number of environmental factors including wind, sun, rain, snow, humidity, freeze/thaw and dewpoints. Other factors such as material compatibilities, permeability of materials, and constructability issues can affect the performance and longevity of the building enclosure. Building materials and systems are continually evolving in response to energy and sustainability awareness, building code changes and new technologies. It is a constant challenge for designers and contractors to stay abreast of these new developments. Our Building Sciences forensic work, building envelope consulting, field inspections and testing services provide us with insights into the performance of building materials and systems and their impact on human comfort and long-term performance of our buildings.



Our Building Sciences group provides services to support designers, contractors and building owners in developing successful building designs, quality construction and optimal building performance. Our services are proactive responses to building design and construction – peer or technical plan reviews, building envelope consulting and commissioning services. Our forensic expertise includes investigation of water intrusion, vapor migration, and condensation issues that have caused roof, wall window or other building envelope failures.

Our construction testing and inspection services provide quality controls in the field to ensure proper installation of building enclosure systems including air/vapor barriers, thermal insulation, roof and waterproofing membranes, exterior cladding systems, windows, curtain walls and skylight assemblies. Periodic construction inspections confirm conformance with project specifications and drawings, manufacturer installation instructions, and building and energy code requirements.

Building Envelope Consulting

Building Envelope Consulting is a quality assurance/quality control process that provides exceptional value to our clients. Our review, inspection, and testing procedures encourage higher quality design and construction, which significantly reduces water infiltration, condensation, mold growth, and indoor air quality issues in buildings. We encourage owners, designers, and contractors to engage our team during early stages of design to work with the architect on development of wall, window, and roofing systems. Our knowledge of air barriers, insulation, flashing materials, and exterior claddings allows us to provide technical assistance for weather tight structures that properly drain water and allow wall cavities to breathe. Periodic inspection and testing during construction will provide a level of quality control that leads to better performing buildings.

Infrared Thermography

Infrared (IR) thermography is one of the tools we use to analyze existing structures for air leaks, water infiltration, or condensation in walls and roof assemblies. IR thermography is also a valuable tool for examining exterior walls, windows, and roofs in older buildings to determine the effectiveness of existing insulation and thermal properties of windows, doors and skylights.



Forensic Investigation Services

Our staff architects and building scientists have years of experience investigating water infiltration, condensation, and mold issues in existing buildings. Water infiltration issues occur in exterior cladding systems like stucco or EIFS systems, windows, roof membranes, and foundations. Our team of experts can identify the source and extent of infiltration damage as well as develop detailed recommendations for repairing damage.

Property Condition Assessment (PCA)

An evaluation of a building's present condition provides valuable information when you need to make informed decisions about your site and buildings. Braun Intertec tailors PCAs to fit your specific needs. A PCA generally consists of a cursory visual review and documentation of a building and its components.

Pre-Construction Reviews

We perform pre-construction reviews for clients in the multi-family and commercial building industry with an emphasis on frequent communication, detailed documentation and proactive management. We can review construction documents and budgets for adherence to specifications, compliance with building codes and standard industry practices, and suitability of building materials. An analysis of building systems as it relates to the project type is also critical to prevent potential problems as the **building ages**. Then, we can **oversee the contractor's application for payment, review change orders and appropriate documentation order and submission**. For post-construction, Braun Intertec can verify that the project has progressed to one of the following:

- Substantial completion as determined by the architect of record
- Issuance of certificate of occupancy
- **Passing city's final building inspection**
- Status report on following close out documents
- Final lien wavers and affidavits of payment
- Recommendations on disbursements of funds and payments of final draw

Petrography Services

Braun Intertec performs petrographic analysis of a variety of materials. These materials include cementitious materials such as concrete, mortar, grout, terrazzo and stucco, as well as analysis of aggregates (rock and sand) for use in concrete or for economic use. Petrography can be used to troubleshoot many problems prior to construction, during construction or post-construction. The tools we



use to evaluate the materials include, but are not limited to, stereo microscopes, polarized light microscopes and x-ray diffractometers. The samples are visually examined and can be evaluated at the atomic level. We are able to estimate the water-to-cement ratio the concrete was placed at as well as calculate the hardened air content and the parameters of the air void system (spacing factor, specific surface, etc.). Observations are made on type and extent of microcracking or macrocracking, secondary deposits, paste color, paste hardness, type and distribution of aggregates, location and condition of reinforcement and many other physical characteristics.

Petrography can aid in determining the causation of material-related distress which could be due to source materials, production, placement, finishing, curing or post-construction issues. Often, the cause of the distress is caused by a combination of issues. Petrography can also be utilized at the production facility to evaluate current and trial mixture proportions as well as the hardened physical properties of the mixtures. This can help avoid problems before a product is placed on the market.



Geothermal Consulting

At Braun Intertec Geothermal, we understand GHX from an engineering and geological perspective. From our viewpoint, effective geothermal HVAC system design starts from the ground up. Working in collaboration with the project owners, architects, mechanical engineers and contractors, our geothermal consultants use a systematic approach to create cost-efficient, dependable hybrid GHX system designs. We coordinate and manage the complexities of civil planning, hydrogeology, environmental risk, regulatory compliance, heat transfer, hydronics, and constructability each and every day for our clients.

Our work has contributed to the success of hundreds of geothermal HVAC installations in both new building and retrofit projects. We believe there are no boilerplate solutions and no substitutes for extensive interdisciplinary experience when it comes to your HVAC system. Our comprehensive preplanning, investigation and design services help to minimize site disruption, construction complications and cost overruns.

Our goal is to bring you support through long-term operational reliability and predictable return on your investment. In the process, you gain more control over project outcomes, achieve design improvements and improve overall system performance and energy efficiency.



Through our geothermal consulting services we can help you by providing:

- Preplanning and feasibility analysis
- Site geologic, thermal and environmental characterization
- Hybrid ground heat exchanger design and engineering

- Construction testing and observation
- Patented Hydrocommissioning™ and hydronic system preparation
- Ground heat exchanger repair and hydronic system remediation
- Specialized forensic analysis and environmental/cultural resources consulting



Need more information about Braun Intertec or any of our services, please contact us at 1.800.279.6100, or visit us at braunintertec.com.

Project Name	Geotechnical Services	Concrete Testing & Inspection Services	Masonry Testing & Inspection Services	Structural Steel Testing & Inspection	Pavement Testing & Inspection	Fireproofing/Firestopping Testing & Inspection	Other: Window/Curtain Wall & Roofing/Waterproofing	Phase I Environmental Investigation	Phase II Environmental Investigation	Remediation Services	Project Manager	Years of Experience
University Recreation and Wellness Center Expansion, JE Dunn Construction							X				Mike Heuer	36
University Recreation and Wellness Center Expansion, University of Minnesota		X	X	X							Mike Heuer	36
Northrop Auditorium Renovation						X	X				Mike Heuer	36
Target Field		X	X	X		X		X	X	X	Chris Kehl	15
Radisson Blu Hotel and Convention Center at Mall of America											Mike Heuer	36
Twin Cities Premium Outlets	X	X	X	X	X	X	X	X	X	X	Brad McCarter	11
Minnesota Zoological Gardens	X										Ron Shaffer	41
Jay Cook State Park Offices	X										Joe Butler	13
MSOP Expansion, Moose Lake	X	X		X	X	X					Keith Rosvold	36
University of Minnesota Intermodal Transportation Center	X										Mike Heuer	36
University of Minnesota TCF Bank Stadium	X	X									Mike Heuer	36
MDA/MDH Orville L. Freeman Office Building	X	X	X	X		X		X	X	X	Chuck Hubbard	30
Moose Lake Correctional Facility		X			X						Joel Kurpius	16
Opus Corporate Center	X	X	X	X	X	X					Ron Shaffer	41
The Mist on Lake Minnetonka		X	X	X	X	X					Greg Bialon	26
Carleton College Student Residence	X	X	X	X	X	X					Greg Ebeling	24
Orange Ramp, HHH Terminal	X	X	X	X	X	X					Matt Ruble	21
Village on Nine Mile Creek		X	X		X						Josh Van Abel	14
Chancellor Manor Renovation	X	X	X	X		X					Thomas Brunstad	35
Minneapolis Library		X	X	X		X					Greg Ebeling	24
Maple Grove Hospital	X	X	X	X		X					Nathan McKinney	13
MDA Parking Lot and Pond	X										Dan Mahrt	17
Target Field		X	X	X		X					Chris Kehl	15
Meeker County Public Works Bldg		X	X		X						Jeff Wessel	30
Lofts of Stillwater	X	X	X	X	X	X				X	Mark Flynn	26
Old Logging Trail Sanitation Bldg, St. Croix State Park		X	X								Joe Butler	13
MDA/MDH Lab Air Intake Canopy				X							Marv Denne	38
Ironworld Museum Repairs				X							Mark Gothard	28
Workers Memorial - State Capitol Building					X						Thomas Brunstad	35
Statewide CSAH FWD Data Collection, Mn/DOT					X						Matt Oman	14
Moos Tower, University of Minnesota						X					Josh Kirk	13
Proposed Parking Lot, 639 Jackson St, St. Paul									X	X	Dan Mahrt	17
Central Corridor Light Rail Transit									X		Jackie Dylla	15
I-35W Bridge										X	Chuck Hubbard	30
94 Corridor - Managed Lane Construction								X			Jackie Dylla	15

Braun Intertec Projects

Project Title: University Recreation and Wellness Center Expansion, Minneapolis, MN

Scope: Curtain Wall Testing & Inspection

Duration: June 2011 – September 2012

Project Supervisor: Michael Heuer, 36 years of experience

Client: JE Dunn Construction

Mailing Address: 800 Washington Ave. N, Suite 600, Minneapolis, MN 55401

Contact: Ken Styrlund, PE

Title: Project Executive

Phone: 952.877.0301

Fax: N/A

Project Title: University Recreation and Wellness Center Expansion, Minneapolis, MN

Scope: Special Inspection and Testing

Duration: June 2011 – August 2013

Project Supervisor: Michael Heuer, 36 years of experience

Client: University of Minnesota

Mailing Address: 400 Donhowe Building, 319 15th Avenue SE, Minneapolis, MN

Contact: Roger Wegner, PE

Title: Senior Project Manager

Phone: 612.626.4646

Fax: 612.626.8017

Project Title: Northrop Auditorium Renovation, Minneapolis, MN

Scope: Special Inspection and Testing

Duration: 2005 – April 2014 (Braun Intertec services completed 2013)

Project Supervisor: Michael Heuer, 36 years of experience

Client: University of Minnesota

Mailing Address: 400 Donhowe Building, 319 15th Avenue SE, Minneapolis, MN

Contact: Roger Wegner, PE

Title: Senior Project Manager

Phone: 612.626.4646

Fax: 612.626.8017

Project Title: Target Field, Minneapolis, MN

Scope: Special Inspection and Testing

Duration: 2007 – February 2010

Project Supervisor: Christopher Kehl, 15 years of experience

Client: Minnesota Ballpark Authority

Mailing Address: 1 Twins Way, Suite 300, Minneapolis, MN 55403

Contact: Ed Hunter

Title: Project Manager

Phone: 612.543.7273

Fax: 612.659.3879

Project Title: Radisson Blu Hotel and Convention Center at Mall of America, Bloomington, MN

Scope: Special Inspection and Testing

Duration: September 2012 – April 2013

Project Supervisor: Michael Heuer, 36 years of experience

Client: Mortenson Development Company

Mailing Address: 700 Meadow Ln. N, Minneapolis, MN 55422

Contact: Troy Blizzard

Title: Project Executive

Phone: 763.287.5595

Fax: 763.287.5430

Project Title: Twin Cities Premium Outlets, Eagan, MN

Scope: Geotechnical, Environmental, Special Inspection, Materials Testing, Roof Testing, Window Testing

Duration: May 2008 – August 2014

Project Supervisor: Brad McCarter, 11 years of experience

Client: Paragon Outlet Partners

Mailing Address: 217 East Redwood St, 21st Floor, Baltimore, MD 21202

Contact: Steven Trainer

Title: Project Manager

Phone: 410.856.1822

Fax: N/A

Project Title: Minnesota Zoological Garden, Apple Valley, MN

Scope: Geotechnical Evaluation

Duration: 2/23/09 to 5/29/09

Project Supervisor: Ron Shaffer, 41 years of experience

Client: Minnesota Zoological Garden

Mailing Address: 13000 Zoo Boulevard, Apple Valley, MN 55124

Contact: Ken Kornack

Title: Director of Capital Projects

Phone: 952.431.9500

Fax: 952.431.9211

Project Title: New Park Office/Contact Station, Jay Cook State Park, Thomson, MN

Scope: Geotechnical Evaluation

Duration: 8/24/09 to 11/13/09

Project Supervisor: Joe Butler, 13 years of experience

Client: Minnesota Department of Natural Resources

Mailing Address: 500 Lafayette Road, St. Paul, MN 55115

Contact: Doug Feickert

Title: Project Manager

Phone: 612.296.6157

Fax: N/A

Project Title: MSOP Expansion, Moose Lake

Scope: Geotechnical Evaluation, Concrete Testing & Inspection Services, Structural Steel Testing & Inspection, Pavement Testing & Inspection, Fireproofing/Firestopping Testing & Inspection

Duration: 11/15/06 to 3/9/07

Project Supervisor: Keith Rosvold, 36 years of experience

Client: State of Minnesota, State Architects Office

Mailing Address: 301 Centennial Office Building, 658 Cedar St, St. Paul, MN 55155

Contact: Gordon O. Christofferson

Title: Project Manager

Phone: 651.297.3464

Fax: 651.296.7650

Project Title: University of Minnesota Intermodal Transportation Center, Minneapolis, MN

Scope: Geotechnical Evaluation

Duration: 6/09 to 9/09

Project Supervisor: Michael Heuer, 36 years of experience

Client: University of Minnesota

Mailing Address: 400 Donhowe Building, 319 15th Avenue SE, Minneapolis, MN

Contact: Chuck Koncker, AIA

Title: Project Manager

Phone: 612.624.0828

Fax: 612.626.8017

Project Title: University of Minnesota TCF Bank Stadium, Minneapolis, MN

Scope: Geotechnical Evaluation, Concrete Testing Services

Duration: 9/26/06 to 2/20/07

Project Supervisor: Michael Heuer, 36 years of experience

Client: HOK Sports Facilities Group

Mailing Address: 300 Wyandotte, Suite 300 Kansas City, MO 64105

Contact: Kevin Fast

Title: Associate Principal

Phone: 816.221.1500

Fax: 816.221.1578

Project Title: MDA/MDH Orville L. Freeman Office Building

Scope: Geotechnical Evaluation, Concrete Testing & Inspection Services, Masonry Testing & Inspection, Structural Steel Testing, Fireproofing/Firestopping Testing & Inspection, Phase I ESA, Phase II ESA, Remediation Services

Duration: 7/23/04 to 8/13/04

Project Supervisor: Chuck Hubbard, 30 years of experience

Client: State of Minnesota/Department of Administration

Mailing Address: 309 Administration Building, 50 Sherburne Ave, St. Paul, MN 55155

Contact: Glen Metz

Title: Project Manager

Phone: 651.296.3427

Fax: 651.296.7650

Project Title: Moose Lake Correctional Facility

Scope: Construction Inspections and Testing, Pavement Testing & Inspection

Duration: 8/17/09 to Current

Project Supervisor: Joel Kurpius, 16 years of experience

Client: State of Minnesota/Department of Administration
Mailing Address: 309 Administration Building, 50 Sherburne Ave, St. Paul, MN 55155
Contact: Larry Nichols
Title: Project Manager
Phone: 651.296.3427
Fax: 651.296.7650

Project Title: Opus Corporate Center Expansion, Minnetonka, MN
Scope: Geotechnical Evaluation, Soils Observations and Construction Materials Testing
Duration: 10/15/07 to 7/7/08
Project Supervisor: Ron Shaffer, 41 years of experience
Client: Opus Northwest, LLC
Mailing Address: 10350 Bren Road West, Minnetonka, MN 55343
Contact: David Bangasser
Title: Senior Project Manager
Phone: 952.656.4444
Fax: 952.656.4529

Project Title: The Mist on Lake Minnetonka, Spring Park, MN
Scope: Concrete Testing & Inspection Services, Masonry Testing & Inspection, Structural Steel Testing, Fireproofing/Firestopping Testing & Inspection
Duration: 2/14/05 to 1/31/06
Project Supervisor: Greg Bialon, 26 years of experience
Client: The Cornerstone Group, Inc.
Mailing Address: 7300 Metro Boulevard, Suite 585, Edina, MN 55439
Contact: Heidi Kurtze
Title: Project Manager
Phone: 952.942.6900
Fax: 952.942.6902

Project Title: Carleton College Student Residence, Northfield, MN
Scope: Geotechnical Evaluation, Concrete Testing & Inspection Services, Masonry Testing & Inspection, Structural Steel Testing, Pavement Testing & Inspection, Fireproofing/Firestopping Testing & Inspection
Duration: 6/1/08 to 9/1/09
Project Supervisor: Greg Ebeling, 24 years of experience
Client: Carleton College
Mailing Address: 242 E 5th St, Suite 2, St. Paul, MN 55101
Contact: Eric Kruse, Pegasus Group
Title: Project Manager
Phone: 507.646.4000
Fax: 507.646.5585

Project Title: Orange Ramp, HHH Terminal, Minneapolis/St. Paul International Airport, MN
Scope: Geotechnical Evaluation, Concrete Testing & Inspection Services, Masonry Testing & Inspection, Structural Steel Testing, Pavement Testing & Inspection, Fireproofing/Firestopping Testing & Inspection
Duration: 7/3/06 to 6/29/07
Project Supervisor: Matt Ruble, 21 years of experience
Client: Kraus-Anderson Construction Company

Mailing Address: 525 S 8th St, Minneapolis, MN 55404

Contact: Bob Carter

Title: Project Manager

Phone: 612.332.7281

Fax: 612.332.6173

Project Title: Village on Nine Mile Creek, Bloomington, MN

Scope: Concrete Testing & Inspection Services, Masonry Testing & Inspection, Pavement Testing & Inspection

Duration: 5/28/04 to 6/24/05

Project Supervisor: Josh Van Abel, 14 years of experience

Client: Greco Real Estate Development

Mailing Address: 129 N 2nd St, Suite 100, Minneapolis, MN 55401

Contact: Charlie McEachron

Title: Project Manager

Phone: 612.630.2450

Fax: 612.630.2453

Project Title: Chancellor Manor Renovation

Scope: Geotechnical Evaluation, Concrete Testing & Inspection Services, Masonry Testing & Inspection, Structural Steel Testing, Fireproofing/Firestopping Testing & Inspection

Duration: 8/3/09 to 10/1/09

Project Supervisor: Thomas Brunstad, 35 years of experience

Client: Community Housing Development Corporation

Mailing Address: 614 N 1st St, Suite 100, Minneapolis, MN 55401

Contact: Danielle Salus

Title: Project Manager

Phone: 612.332.6264

Fax: N/A

Project Title: Minneapolis Central Library

Scope: Concrete Testing & Inspection Services, Masonry Testing & Inspection, Structural Steel Testing, Fireproofing/Firestopping Testing & Inspection

Duration: 4/02 to 10/05

Project Supervisor: Greg Ebeling, 24 years of experience

Client: City of Minneapolis

Mailing Address: 1858 East 27th Street, Minneapolis, MN 55407

Contact: H.R. "Bo" Spurrier, PE

Title: Project Manager

Phone: 612.490.2870

Fax: N/A

Project Title: Maple Grove Hospital

Scope: Geotechnical Evaluation, Concrete Testing & Inspection Services, Masonry Testing & Inspection, Structural Steel Testing, Fireproofing/Firestopping Testing & Inspection

Duration: 3/05 to 5/08

Project Supervisor: Nate McKinney, 13 years of experience

Client: Maple Grove Hospital Corp.

Mailing Address: 5421 Feltl Road, Suite 150, Minnetonka, MN 55343

Contact: Bob Walker

Title: Owner's Representative

Phone: 952.935.5650

Fax: 952.746.9225

Project Title: MDA Proposed Parking Lot and Pond (Professional Services Master Contract #433900)

Scope: Geotechnical Services

Duration: 7/22/09 to 10/30/09

Project Supervisor: Dan Mahrt, 17 years of experience

Client: State of Minnesota/Department of Administration

Mailing Address: 309 Administration Building, 50 Sherburne Ave, St. Paul, MN 55155

Contact: Ryan Allen

Title: Project Manager

Phone: 651.297.3464

Fax: 651.296.7650

Project Title: Target Field

Scope: Concrete Testing & Inspection Services, Masonry Testing & Inspection, Structural Steel Testing, Fireproofing/Firestopping Testing & Inspection

Duration: 4/07 to 10/09

Project Supervisor: Chris Kehl, 15 years of experience

Client: Minnesota Ballpark Authority

Mailing Address: 390 Grain Exchange Building, 301 4th Avenue South, Minneapolis, MN 55415

Contact: Ed Hunter

Title: Project Manager

Phone: 612.543.7175

Fax: 612.543.7273

Project Title: Meeker County Public Works Building, Litchfield, MN

Scope: Concrete Testing & Inspection Services, Masonry Testing & Inspection, Structural Steel Testing

Duration: 9/1/06 to 9/1/07

Project Supervisor: Jeff Wessel, 30 years of experience

Client: Meeker County

Mailing Address: 305 St. Peter St, St. Paul, MN 55101

Contact: Paul Virnig

Title: Project Manager

Phone: 320.693.5367

Fax: 320.693.5369

Project Title: Lofts of Stillwater, Stillwater, MN

Scope: Geotechnical Evaluation, Concrete Testing & Inspection Services, Masonry Testing & Inspection, Structural Steel Testing, Pavement Testing & Inspection, Fireproofing/Firestopping Testing & Inspection, Remediation Services

Duration: 2004 to 2007

Project Supervisor: Mark Flynn, 26 years of experience

Client: JE Dunn Construction

Mailing Address: 800 Washington Ave. N, Suite 600, Minneapolis, MN 55401

Contact: Brad Creager
Title: Project Manager
Phone: 952.830.9000
Fax: N/A

Project Title: Old Logging Trail Sanitation Building, St. Croix State Park
Scope: Concrete Testing, Masonry Testing & Inspection
Duration: 11/30/09 to 6/10/2010
Project Supervisor: Joe Butler, 13 years of experience
Client: Minnesota Department of Natural Resources
Mailing Address: 500 Lafayette Road, St. Paul, MN 55115
Contact: Michael Parenteau
Title: Project Manager
Phone: 612.296.6157
Fax: N/A

Project Title: MDA/MDH Lab Air Intake Canopy
Scope: Structural Steel Observations
Duration: 9/25/09 to 10/25/09
Project Supervisor: Marv Denne, 38 years of experience
Client: State of Minnesota/Department of Administration
Mailing Address: 309 Administration Building, 50 Sherburne Ave, St. Paul, MN 55155
Contact: Harvey Jaeger
Title: Principal Project Manager
Phone: 651.296.3427
Fax: 651.296.7650

Project Title: Ironworld Museum Repairs
Scope: Observatory Steel Inspection and Testing
Duration: 11/8/05 to 1/1/07
Project Supervisor: Mark Gothard, 28 years of experience
Client: State of Minnesota, State Architect's Office
Mailing Address: 301 Centennial Office Building, 658 Cedar St, St. Paul, MN 55155
Contact: Doug Kelley
Title: Project Manager
Phone: 651.297.3464
Fax: 651.296.7650

Project Title: Workers Memorial – State Capitol Building
Scope: Pavement Testing
Duration: 1/5/09 to 11/30/09
Project Supervisor: Thomas Brunstad, 35 years of experience
Client: Minnesota Department of Administration
Mailing Address: 309 Administration Building, 50 Sherburne Ave, St. Paul, MN 55155
Contact: Larry Nichols
Title: Project Manager
Phone: 651.296.2278

Fax: 651.215.6245

Project Title: Statewide CSAH FWD Data Collection, Minnesota
Scope: Falling Weight Deflectometer Testing
Duration: 5/1/2009 to 06/30/2011
Project Supervisor: Matt Oman, 14 years of experience
Client: Minnesota Department of Transportation, Consultant Services Section
Mailing Address: 395 John Ireland Boulevard, St. Paul, MN 55155
Contact: Melissa McGinnis
Title: Contract Administrator
Phone: 651.284.3245
Fax: 651.366.4770

Project Title: Moos Tower, University of Minnesota
Scope: Fireproofing, Anchor Load Testing
Duration: 3/21/06 to 3/24/2006
Project Supervisor: Josh Kirk, 13 years of experience
Client: Cy-Con, Inc.
Mailing Address: 360 Larpenteur Ave W, St. Paul, MN 55113
Contact: Fred Paul
Title: Project Manager
Phone: 651.488.0501
Fax: 651.488.5696

Project Title: Proposed Parking Lot, 639 Jackson St, St. Paul, MN (Professional Services Master Contract #433900)
Scope: Phase II ESA, Remediation Services
Duration: 4/6/09 to 5/29/09
Project Supervisor: Dan Mahrt, 17 years of experience
Client: State of Minnesota/Department of Administration
Mailing Address: 309 Administration Bldg, 50 Sherburne Ave, St. Paul, MN 55155
Contact: Heidi Myers
Title: Real Estate and Construction Services
Phone: 651.296.3464
Fax: 651.296.7650

Project Title: Central Corridor Light Rail Transit, University Corridor, Minneapolis/St. Paul, MN
Scope: Phase II ESA
Duration: 5/1/07 to 8/1/08
Project Supervisor: Jackie Dylla, 15 years of experience
Client: HDR Engineering
Mailing Address: 701 Xenia Ave S, Suite 600, Minneapolis, MN 55416
Contact: Oscar Gonzalez
Title: Senior Project Manager
Phone: 763.591.5400
Fax: 763.591.5413

Project Title: I-35W Bridge, Minneapolis, MN

Scope: Environmental Compliance and SWPPP

Duration: 10/8/07 to 12/19/08

Project Supervisor: Chuck Hubbard, 30 years of experience

Client: Flatiron – Mason, a Joint Venture

Mailing Address: 155 5th Ave S, Suite 810, Minneapolis, MN 55401

Contact: Martijn Bolster

Title: Design Manager

Phone: 303.485.4050

Fax: 303.485.3922

Project Title: I-94 Managed Lane Construction

Scope: Phase I ESA and Drilling Investigation

Duration: 4/1/2009 to 11/2010

Project Supervisor: Jackie Dylla, 15 years of experience

Client: Minnesota Department of Transportation

Mailing Address: 395 John Ireland Boulevard, Mail Stop, St. Paul, MN 55155

Contact: Alice Robbins

Title: Consultant Services Unit

Phone: 651.366.4767

Fax: 651.366.4770

Exhibit D1
State/Consultant Basic Services
Insurance Requirements

A. Contractor shall not commence work under the contract until they have obtained all the insurance described below and the State of Minnesota has approved such insurance. Contractor shall maintain such insurance in force and effect throughout the term of the contract.

B. Contractor is required to maintain and furnish satisfactory evidence of the following insurance policies:

1. **Workers' Compensation Insurance:** Except as provided below, Contractor must provide Workers' Compensation insurance for all its employees and, in case any work is subcontracted, Contractor will require the subcontractor to provide Workers' Compensation insurance in accordance with the statutory requirements of the State of Minnesota, including Coverage B, Employer's Liability. Insurance **minimum** limits are as follows:

\$100,000 – Bodily Injury by Disease per employee
\$500,000 – Bodily Injury by Disease aggregate
\$100,000 – Bodily Injury by Accident

If Minnesota Statute 176.041 exempts Contractor from Workers' Compensation insurance or if the Contractor has no employees in the State of Minnesota, Contractor must provide a written statement, signed by an authorized representative, indicating the qualifying exemption that excludes Contractor from the Minnesota Workers' Compensation requirements.

If during the course of the contract the Contractor becomes eligible for Workers' Compensation, the Contractor must comply with the Workers' Compensation Insurance requirements herein and provide the State of Minnesota with a certificate of insurance.

2. **Commercial General Liability Insurance:** Contractor is required to maintain insurance protecting it from claims for damages for bodily injury, including sickness or disease, death, and for care and loss of services as well as from claims for property damage, including loss of use which may arise from operations under the Contract whether the operations are by the Contractor or by a subcontractor or by anyone directly or indirectly employed by the Contractor under the contract. Insurance **minimum** limits are as follows:

\$2,000,000 – per occurrence
\$2,000,000 – annual aggregate
\$2,000,000 – annual aggregate – Products/Completed Operations

The following coverages shall be included:

Premises and Operations Bodily Injury and Property Damage
Personal and Advertising Injury
Blanket Contractual Liability
Products and Completed Operations Liability
Other; if applicable, please list _____
State of Minnesota named as an Additional Insured

3. **Commercial Automobile Liability Insurance:** Contractor is required to maintain insurance protecting it from claims for damages for bodily injury as well as from claims for property damage resulting from the ownership, operation, maintenance or use of all owned, hired, and non-owned autos which may arise from operations under this contract, and in case any work is subcontracted the contractor will require the subcontractor to maintain Commercial Automobile Liability insurance. Insurance **minimum** limits are as follows:

Exhibit D1

\$2,000,000 – per occurrence Combined Single limit for Bodily Injury and Property Damage

In addition, the following coverages should be included:

Owned, Hired, and Non-owned Automobile

4. **Professional/Technical, Errors and Omissions, and/or Miscellaneous Liability Insurance**

This policy will provide coverage for all claims the contractor may become legally obligated to pay resulting from any actual or alleged negligent act, error, or omission related to Contractor's professional services required under the contract.

Contractor is required to carry the following **minimum** limits:

\$2,000,000 – per claim or event

\$2,000,000 – annual aggregate

Any deductible will be the sole responsibility of the Contractor and may not exceed \$50,000 without the written approval of the State. If the Contractor desires authority from the State to have a deductible in a higher amount, the Contractor shall so request in writing, specifying the amount of the desired deductible and providing financial documentation by submitting the most current audited financial statements so that the State can ascertain the ability of the Contractor to cover the deductible from its own resources.

The retroactive or prior acts date of such coverage shall not be after the effective date of this Contract and Contractor shall maintain such insurance for a period of at least three (3) years, following completion of the work. If such insurance is discontinued, extended reporting period coverage must be obtained by Contractor to fulfill this requirement.

C. Additional Insurance Conditions:

- Contractor's policy(ies) shall be primary insurance to any other valid and collectible insurance available to the State of Minnesota with respect to any claim arising out of Contractor's performance under this contract;
- If Contractor receives a cancellation notice from an insurance carrier affording coverage herein, Contractor agrees to notify the State of Minnesota within five (5) business days with a copy of the cancellation notice, unless Contractor's policy(ies) contain a provision that coverage afforded under the policy(ies) will not be cancelled without at least thirty (30) days advance written notice to the State of Minnesota;
- Contractor is responsible for payment of Contract related insurance premiums and deductibles;
- If Contractor is self-insured, a Certificate of Self-Insurance must be attached;
- Contractor's policy(ies) shall include legal defense fees in addition to its liability policy limits, with the exception of B.4 above;
- Contractor shall obtain insurance policy(ies) from insurance company(ies) having an "AM BEST" rating of A- (minus); Financial Size Category (FSC) VII or better, and authorized to do business in the State of Minnesota; and

Exhibit D1

- An Umbrella or Excess Liability insurance policy may be used to supplement the Contractor's policy limits to satisfy the full policy limits required by the Contract.
- D. The State reserves the right to immediately terminate the contract if the contractor is not in compliance with the insurance requirements and retains all rights to pursue any legal remedies against the contractor. All insurance policies must be open to inspection by the State, and copies of policies must be submitted to the State's authorized representative upon written request.
- E. The successful responder is required to submit Certificates of Insurance acceptable to the State of MN as evidence of insurance coverage requirements prior to commencing work under the contract.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/6/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. 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).

PRODUCER Dennis J. Linder & Associates An affiliate American Agency, Inc. 731 Bielenberg Drive, Suite 204 Woodbury MN 55125	CONTACT NAME: Kimberly South PHONE (A/C, No, Ext): 651.621.8982 FAX (A/C, No): 651.621.8989 E-MAIL ADDRESS: kims@djlinder.com																				
	<table border="1"> <tr> <th colspan="2">INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A: Continental Casualty Company</td> <td></td> <td>20443</td> </tr> <tr> <td>INSURER B:</td> <td></td> <td></td> </tr> <tr> <td>INSURER C:</td> <td></td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A: Continental Casualty Company		20443	INSURER B:			INSURER C:			INSURER D:			INSURER E:			INSURER F:	
INSURER(S) AFFORDING COVERAGE		NAIC #																			
INSURER A: Continental Casualty Company		20443																			
INSURER B:																					
INSURER C:																					
INSURER D:																					
INSURER E:																					
INSURER F:																					
INSURED Braun Intertec Corporation Braun Intertec Geothermal, LLC Braun Intertec Great Lakes, Inc. 11001 Hampshire Avenue S Minneapolis MN 55438																					

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT 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. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	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"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS					COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below					WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Environmental Prof Liab Incl Pollution Incident		ECH114132066 Claims Made & Reported	9/1/2014	9/1/2015	\$5,000,000. Each Claim \$10,000,000. Aggregate

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 Services provided under Master Contract 85256

This policy covers the PROFESSIONAL SERVICES of the named insured for all projects & the limit of liability shown shall not be construed to be applied to this project only.

CERTIFICATE HOLDER**CANCELLATION**

sherry.vanhorn@state.mn.us Minnesota Dept. of Administration Attn: Sherry Van Horn 50 Sherburne Ave #309 St. Paul, MN 55155	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE Dennis Linder/KVS 
---	--

Exhibit E

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.

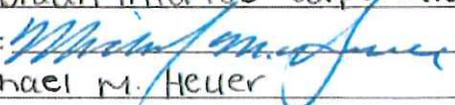
BOX B – For those companies not described in BOX A

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: Braun Intertec Corporation Date: Oct 6 2014
Authorized Signature:  Telephone number: 952.995.2258
Printed Name: Michael M. Heuer Title: Vice President

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

TC Metro: (651) 296-5663

Toll Free: 800-657-3704

Web: www.humanrights.state.mn.us

Fax: (651) 296-9042

TTY: (651) 296-1283

Email: employerinfo@therightsplace.net



Minnesota Department of
HUMAN RIGHTS

CERTIFICATE OF COMPLIANCE

BRAUN INTERTEC CORPORATION is hereby certified as a contractor by the Minnesota Department of Human Rights. This certificate is valid from 11/28/2012 to 11/28/2014.

This certification is subject to revocation or suspension prior to its expiration if the department issues a finding of noncompliance or if your organization fails to make a good faith effort to implement its affirmative action plan.

Minnesota Department of Human Rights

FOR THE DEPARTMENT BY:

Kevin M. Lindsey, Commissioner

AN EQUAL OPPORTUNITY EMPLOYER

Exhibit F

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.

Braun Intertec Corporation
Organization Name

Michael M. Heuer, Vice President
Name and Title of Official Signing for Organization

By: 
Signature of Official

Oct. 6, 2019
Date

Affidavit of Noncollusion

State of Minnesota
Request for Proposals

Firm Name:

Instructions: Please return your completed form as part of the Response submittal.

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 <insert name> 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 Proposals, 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.
4. That I am fully informed regarding the accuracy of the statements made in this affidavit.

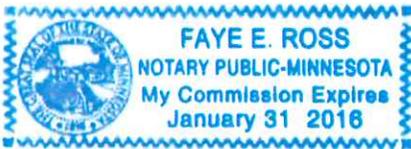
Authorized Signature

Responder's firm name: Braun Intertec Corporation
 Print authorized representative name: Michael M. Heuer Title: Vice President
 Authorized signature: [Signature] Date (mm/dd/yyyy): 10/6/2014

Notary Public

Subscribed and sworn to before me this:
6th day of October, 2014

Faye E. Ross
Notary Public signature



1-31-2016
Commission expires (mm/dd/yyyy)