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

**RECS Project ID:** N/A  
**Project Mgr.:** Gordon Christofferson  
**Contract Specialist:** Jennifer Barber  
**RFP Event ID (if applicable):** 2-10020

**Project Name:** Testing and Inspection Services Master Contract

<table>
<thead>
<tr>
<th>Total Amount of Contract:</th>
<th>N/A</th>
<th>Amount of Contract First FY:</th>
<th>Vendor Number:</th>
<th>0000235885</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category Code:</td>
<td></td>
<td>Category Code:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Account:</td>
<td></td>
<td>Account:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amount:</td>
<td>N/A</td>
<td>Amount:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Accounting Distribution 1:**  
**Accounting Distribution 2:**  
**Accounting Distribution 3:**

| Business Unit:            |     | Business Unit:              |                |            |
| Business Unit:            |     | Accounting Date:            |                |            |
| Fund:                    |     | Fund:                       |                |            |
| DeptID:                  |     | DeptID:                     |                |            |
| AppropID:                |     | AppropID:                   |                |            |
| Project ID:              | N/A | Project ID:                 |                |            |
| Activity:                |     | Activity:                   |                |            |
| Amount:                  | N/A | Amount:                     |                |            |

**SWIFT Contract No:** T#2002A/167679  
**SWIFT Order:** ________________________- Number / Date/ See Signature Page

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  
**Contract Execution Date:** 10/18/2019  
**Contract End Date:** 09/30/2024

(*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.)

**Contractor Contact:**  
**Contact Person:** David Bomersine  
**Contact Person Phone:** 952.995.2250  
**Contact Person Email:** dbomersine@braunintertec.com
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:** September 30, 2024
   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, and Fireproofing/Firestopping Testing and Inspection.

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 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 October 1, 2020. 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: 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 Minn. Stat. § 16C.08, subd. 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
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 Jennifer Barber, Contract Specialist, 651.201.2389 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 David Bomersine, Vice President, dbomersine@brauninterotec.com 952.995.2250. 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 StatuteCh. 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 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 Workforce Certification 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 Workforce Certification 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 Workforce Certification requirements.

11.2 Minnesota Statute § 363A.36. Minnesota Statute § 363A.36 requires the Contractor to have an Workforce Certification 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 Workforce Certification 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 Workforce Certification 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 Workforce Certification 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 Workforce Certification 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 Workforce Certification 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 Workforce Certification to employ and advance in employment physically and mentally disabled persons.

(C) Consequences. The consequences for the Contractor's failure to implement its Workforce Certification 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.

11.4 Minn. Stat. §363A.44 Equal Pay requirements shall apply to this Agreement (Exhibit E1).

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/EverifySubCertForm.doc](http://www.mmd.admin.state.mn.us/doc/EverifySubCertForm.doc). All subcontractor certifications must be kept on file with Contractor and made available to the State upon request.

20 **Certification of Nondiscrimination (In accordance with Minn. Stat. § 16C.053)**

The following term applies to any contract for which the value, including all extensions, is $50,000 or more: Contractor certifies it does not engage in and has no present plans to engage in discrimination against Israel, or against persons or entities doing business in Israel, when making decisions related to the operation of the vendor’s business. For purposes of this section, “discrimination” includes but is not limited to engaging in refusals to deal, terminating business activities, or other actions that are intended to limit commercial relations with Israel, or persons or entities doing business in Israel, when such actions are taken in a manner that in any way discriminates on the basis of nationality or national origin and is not based on a valid business reason.

21 **Subcontractor Reporting:**

The State of Minnesota is committed to diversity and inclusion in public procurement. If the total value of your contract may exceed $500,000, including all extension options, you must track and report, on a quarterly basis, the amount you spend with diverse small businesses. When this applies, you will be provided free access to a portal for this purpose, and the requirement will continue as long as the contract is in effect.

22 **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: Workforce Certification
- Exhibit E1: Equal Pay Certificate
- Exhibit F: Certification Regarding Lobbying
- Exhibit G: Not Used
- Exhibit H: Not Used
- Exhibit I: Affidavit of Noncollusion

Distribution:
Contractor
Agency
State’s Authorized Representative

Signatures

**Document Signature Details -- External User**

<table>
<thead>
<tr>
<th>Order</th>
<th>Ext. User</th>
<th>Status</th>
<th>Actual Signer</th>
<th>Name</th>
<th>Title</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>VN0000235885_14</td>
<td>Signed</td>
<td>VN0000235885_14</td>
<td>MICHAEL BRATRUD</td>
<td>EXTERNAL</td>
<td>10/14/2019 at 10:33 AM</td>
</tr>
</tbody>
</table>

**Document Signature Details -- Internal Users**

<table>
<thead>
<tr>
<th>Order</th>
<th>Type</th>
<th>Role/User</th>
<th>Status</th>
<th>Actual Signer</th>
<th>Name</th>
<th>Title</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>User ID</td>
<td>00701468</td>
<td>Signed</td>
<td>00701468</td>
<td>Julie C. Ouradnik</td>
<td>Accounting Technician</td>
<td>October 15, 2019 at 10:07</td>
</tr>
<tr>
<td></td>
<td>User ID</td>
<td>Signed</td>
<td></td>
<td></td>
<td>AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>-----------</td>
<td>--------</td>
<td>---</td>
<td>---</td>
<td>------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>01019224</td>
<td>01019224</td>
<td>Gordon O Christofferson</td>
<td>Project Operations Manager</td>
<td>October 15, 2019 at 10:39 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Role</td>
<td>Signed</td>
<td>01131551</td>
<td>Sara E Freedland</td>
<td>MMD P/T Dept of Admin Signer</td>
<td>October 18, 2019 at 07:44 AM</td>
<td></td>
</tr>
</tbody>
</table>
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 __________, SWIFT Contract 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) Compensations. 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.
Service Locations

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

#### Drilling Services
<table>
<thead>
<tr>
<th>Service Description</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>9000 – Truck Mounted Drilling Services</td>
<td>338</td>
</tr>
<tr>
<td>9100 – Flotation Tire Drill Rig and Crew</td>
<td>401</td>
</tr>
<tr>
<td>9200 – Track Mounted Drill Rig and Crew</td>
<td>466</td>
</tr>
<tr>
<td>9300 – Skid Mounted Drilling Services</td>
<td>338</td>
</tr>
</tbody>
</table>

#### GeoProbe Services
<table>
<thead>
<tr>
<th>Service Description</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>9400 – GeoProbe services</td>
<td>286</td>
</tr>
<tr>
<td>9430 – Water sampling tubing and consumables, per sample</td>
<td>8</td>
</tr>
<tr>
<td>9435 – Soil gas sampling tubing and consumables, per sample</td>
<td>25</td>
</tr>
<tr>
<td>9450 – GeoProbe grouting/sealing, per foot</td>
<td>2</td>
</tr>
<tr>
<td>9455 – Additional crew person for SPT borings, per hour</td>
<td>60</td>
</tr>
<tr>
<td>9460 – Overtime addition, per person, for work in excess of 8 hours per day, per hour</td>
<td>29</td>
</tr>
</tbody>
</table>

#### CPT Services
<table>
<thead>
<tr>
<th>Service Description</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>9500 – CPT Services</td>
<td>494</td>
</tr>
<tr>
<td>9515 – Standby time, CPT &amp; Crew, per hour</td>
<td>412</td>
</tr>
<tr>
<td>9525 – CPT grouting/sealing, per foot</td>
<td>2</td>
</tr>
<tr>
<td>9520 – Seismic wave analysis</td>
<td>327</td>
</tr>
<tr>
<td>9540 – Dissipation testing, per hr hour</td>
<td>124</td>
</tr>
<tr>
<td>9510 – Overtime addition to two-person crews, per hour</td>
<td>68</td>
</tr>
</tbody>
</table>

#### Drilling Related Services
<table>
<thead>
<tr>
<th>Service Description</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>205 – Site layout and utility clearance</td>
<td>122</td>
</tr>
<tr>
<td>292 – Drilling supervisor</td>
<td>133</td>
</tr>
<tr>
<td>306 – Flaggers (per flagger 2 or 3 man crew)</td>
<td>122</td>
</tr>
<tr>
<td>1052 – Warning signs</td>
<td>Quote</td>
</tr>
<tr>
<td>1030 – Vane shear test (ASTM D 2573), per day</td>
<td>379</td>
</tr>
<tr>
<td>1032 – Electrical resistivity equipment (ASTM G 57), per day</td>
<td>283</td>
</tr>
<tr>
<td>1021 – Thin-walled sample tubes (ASTM D 15 87), each</td>
<td>33</td>
</tr>
<tr>
<td>1040 – Pressure meter equipment, per day</td>
<td>781</td>
</tr>
<tr>
<td>1044 – Surcharge for continuous tube sample systems (2-1/4” x 5’). Per hour</td>
<td>47</td>
</tr>
</tbody>
</table>

#### E-Logging Services
<table>
<thead>
<tr>
<th>Service Description</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1086 – E-Log unit, per mile</td>
<td>Quote</td>
</tr>
<tr>
<td>1089 – E-Log unit and technician, per day</td>
<td>1,288</td>
</tr>
<tr>
<td>1084 – E-Log setup and mobilization, per day</td>
<td>Quote</td>
</tr>
</tbody>
</table>

#### Consumables: Wells/Piezometers/Borehole Abandonment
<table>
<thead>
<tr>
<th>Service Description</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>9702 – Piezometer or well casing – 3/4” PVC, per foot</td>
<td>6</td>
</tr>
<tr>
<td>9712 – Well screen – 3/4” PVC, per foot</td>
<td>6</td>
</tr>
<tr>
<td>9720 – Well screen – 2” stainless, per foot</td>
<td>67</td>
</tr>
<tr>
<td>9710 – Piezometer or well casing - 2” black iron, per foot</td>
<td>34</td>
</tr>
<tr>
<td>9723 – Borehole closure device</td>
<td>10</td>
</tr>
<tr>
<td>9732 – Grout with neat cement, materials per foot</td>
<td>8</td>
</tr>
<tr>
<td>9746 – 8” Well Vault for at grade well - each</td>
<td>88</td>
</tr>
<tr>
<td>9748 – 6” Protective casing with locking cover - each</td>
<td>321</td>
</tr>
<tr>
<td>9752 – 4” Bumper post steel - each</td>
<td>136</td>
</tr>
<tr>
<td>9754 – 4” Bumper post wood - each</td>
<td>69</td>
</tr>
</tbody>
</table>

#### Permits & Sealing Records
<table>
<thead>
<tr>
<th>Service Description</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>9910 – MN – Hennepin County, each</td>
<td>Quote</td>
</tr>
<tr>
<td>9912 – Trip permit – Iowa, each</td>
<td>Quote</td>
</tr>
<tr>
<td>9920 – Right of way permit, each</td>
<td>Quote</td>
</tr>
</tbody>
</table>

#### Additional Drilling Related
<table>
<thead>
<tr>
<th>Service Description</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>9950 – Drum, steel 55 gallon, with lid, each</td>
<td>56</td>
</tr>
<tr>
<td>9964 – Air compressor rental</td>
<td>Quote</td>
</tr>
<tr>
<td>9952 – In-field steam cleaning, per hour</td>
<td>151</td>
</tr>
</tbody>
</table>

#### Laboratory Tests of Soils

<table>
<thead>
<tr>
<th>Test Description</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1152 – Moisture content (ASTM D 2216), per sample</td>
<td>23</td>
</tr>
<tr>
<td>1154 – Density And Moisture Of Soil Specimens (ASTM D 2937), per sample</td>
<td>40</td>
</tr>
<tr>
<td>1156 – Atterberg Limits: LL and PL (ASTM D 4318), per sample</td>
<td>127</td>
</tr>
<tr>
<td>1157 – Atterberg Limits: LL and PL (AASHTO T89 and T90 and Wet Preparation (AASHTO T146), per sample</td>
<td>172</td>
</tr>
<tr>
<td>1223 – Soil/Concrete Stabilization</td>
<td>3,039</td>
</tr>
</tbody>
</table>

#### Grain Size Analysis
<table>
<thead>
<tr>
<th>Test Description</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1162 – Sieve analysis with 200 wash (ASTM C 136 and C 117), per sample</td>
<td>156</td>
</tr>
<tr>
<td>1680 – Rush surcharge, per sample</td>
<td>39</td>
</tr>
<tr>
<td>1679 – Rush surcharge</td>
<td>23</td>
</tr>
<tr>
<td>1172 – Hydrometer – Sieve Analysis (ASTM D 422), per sample</td>
<td>205</td>
</tr>
<tr>
<td>1174 – Organic content (ASTM D 2974), per sample</td>
<td>87</td>
</tr>
<tr>
<td>1176 – Specific gravity of fine -grained soils (ASTM D 854), per sample</td>
<td>150</td>
</tr>
</tbody>
</table>

#### Permeability
<table>
<thead>
<tr>
<th>Test Description</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1180 – Constant head permeability of course-grained soils (ASTM D 2434), per sample</td>
<td>416</td>
</tr>
<tr>
<td>1183 – Falling head permeability, undisturbed (ASTM D 5084), per sample</td>
<td>603</td>
</tr>
<tr>
<td>1185 – Falling head permeability, remolded (ASTM D 5084), per sample</td>
<td>720</td>
</tr>
<tr>
<td>Double ring-infiltrometer test (ASTM T 3385):</td>
<td>1193</td>
</tr>
<tr>
<td>1194 – Granular soils – test and equipment rental</td>
<td>665</td>
</tr>
<tr>
<td>1194 – Cohesive soils – test and equipment rental</td>
<td>933</td>
</tr>
</tbody>
</table>

#### Strength and Compressibility Testing
<table>
<thead>
<tr>
<th>Test Description</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1186 – Unconfined compression (ASTM D 2166), per sample</td>
<td>109</td>
</tr>
<tr>
<td>1190 – Direct shear, granular soil (3 point test) (ASTM D 3080), per sample</td>
<td>695</td>
</tr>
<tr>
<td>1192 – Direct shear, cohesive soil (3 point test) (ASTM D 3080), per sample</td>
<td>907</td>
</tr>
<tr>
<td>1196 – Consolidation testing, one-dimensional (strain vs. pressure curve only) (ASTM D 2435), per sample</td>
<td>466</td>
</tr>
<tr>
<td>1198 – Consolidation testing, time-rate (ASTM D 2435), per sample</td>
<td>697</td>
</tr>
</tbody>
</table>

#### One Dimensional Swell Test
<table>
<thead>
<tr>
<th>Test Description</th>
<th>Hourly Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1202 – Maximum swell pressure (ASTM D 4546), per sample</td>
<td>362</td>
</tr>
<tr>
<td>1206 – Unconsolidated-Undrained triaxial testing (per 3 points) (ASTM D 2850), per sample</td>
<td>999</td>
</tr>
<tr>
<td>1208 – Consolidated-Undrained triaxial testing with pore pressure measurements (ASTM D 4767), per sample</td>
<td>1,494</td>
</tr>
<tr>
<td>1210 – Consolidated-Drained triaxial testing (includes pore-pressure measurements) (ASTM D 4767), per sample</td>
<td>1,839</td>
</tr>
<tr>
<td>1211 – Consolidated-Drained triaxial testing (without pore-pressure measurements) (ASTM D 4767), per sample</td>
<td>1,839</td>
</tr>
</tbody>
</table>

January 1, 2019

Page 2
Corrosion Potential and Miscellaneous
1214 pH determination (ASTM G 51), per sample 30
1216 Electrical resistivity of soils (ASTM G 187), per sample 87
3238 Thermal conductivity of soil (ASTM D 5334), per sample 794
1220 Sulfate (concrete), per sample 44
6146 Sulfate (soil) (ASTM C 1580-05), per sample 400
1222 Sulfide (metals), per sample 71
1226 Topsoil testing, MNDOT 3877A (without nutrients), per sample 322
1228 Topsoil testing, MNDOT 3877B (with nutrients), per sample 399
1229 Topsoil testing, MNDOT 3877B (nutrients only), per sample 90
1230 Specialty testing Quote
1234 Extrusion of thin-walled tube, per sample 37

Construction Testing and Observations
Earthwork (excavation observation, compaction control testing, special foundation installations)
1308 Nuclear moisture-density meter charge in addition to hourly rates in section “100 Personnel Services,” per hour 27
1310 Field laboratory rental including utilities, if required Quote
1318 Moisture Density Relationship (ASTM D 698 Standard) 218
6170 Rush surcharge – Proctor test 50
1322 One-point Proctor check 82
1324 Maximum-minimum density of cohesionless soils (ASTM D 4523, D 4254), per sample 362

Deep Foundation and Vibration
1340 Special inspection of pile or drilled shaft installation. Hourly rates as shown in section “100 Personnel Services,” plus vehicle and mileage Quote
1342 Pile Driving Analyzer™ equipment rental, per day 663
1343 Wave Equation analysis 323
1344 CAPWAP analysis 530

Seismograph monitor:
1346 Moisture Meter 26
1348 Enclosure Test Equipment Quote
1349 Enclosure Test Supplies Quote
1570 With modem, per day 222
1571 With modem, per week 520
1572 With modem, per month 1,092
1576 With modem and X100 geophone, per day 234
1577 With modem and X100 geophone, per week 554
1578 With modem and X100 geophone, per month 1,228
1347 Static or cyclic load testing equipment (compression, tension with environmental control) Quote

Concrete
1356 Theoretical concrete mix design based on ACI 211, per mix 358
1357 Concrete strength development curve, each 303
1373 Maturity curve development (ASTM C 1074), each 2,550
1374 Temperature maturity sensor, each 82
1365 Estimating the Cracking Tendency of concrete (AASHTO T334), per sample 2,926
1393 Coring of shotcrete panels, per panel 56
Command Center PDA
5122 Per week 92
5123 Per month 242
1358 Laboratory batching of concrete, per batch 489
1361 Quality control testing of concrete placement activities, per hour Quote

Laboratory moist-curing of concrete delivered to laboratories
1364 Compression strength of concrete cylinders (ASTM C 39), per specimen 35
1366 Accelerated curing and testing (ASTM C 684), per specimen 99
1367 Flexural strength of beams (ASTM C 78 and ASTM C 293), per specimen 142
1368 Splitting tensile strength of concrete (ASTM C 496), per specimen 107
1371 Dry unit weight (ASTM C 567), per specimen 135
1372 Specific gravity and voids (ASTM C 642), per specimen 256
1380 Sawing of concrete unit (ASTM C 31), per cut 15
5163 Comprehensive Strength of Controlled Low Strength Material ASTM D4832, each 48
5165 Comprehensive Strength of Lightweight Insulating Concrete ASTM C495, each 48

Concrete cylinder molds (includes labels and data slips)
1386 Concrete cylinder molds (ASTM C 470), per mold 3
1392 Cast in place cylinder molds (cippoc), per mold 43
1395 Mold rental (cubes and beams), per use 54
1397 Comprehensive strength of cast in place cylinders (cippoc) (ASTM C 873), per specimen 90
1555 Bit wear and patch material, per core 26
1400 Core truck, per day, plus mileage 148
1401 Comprehensive strength of concrete cores (ASTM C 42), per specimen 130

Petrographic analysis No discounting will apply
Petrographic analysis of concrete
1460 (ASTM C 856 and C 457), per specimen 1,711
2101 (ASTM C 856), per specimen 1,288
5182 Observations only, per sample 670
5283 Thin section only, per sample 670
2102 Hardened air content analysis (ASTM C 457), per specimen 876
1742 Petrographic analysis of coarse aggregate quarried material (ASTM C 295), limited to 7 screens, per sample 2,218
2104 Petrographic analysis of coarse aggregate - pit-run material, limited to 7 screens, per sample 2,520
2105 Petrographic analysis of fine aggregate – quarried material (ASTM C 295), limited to 7 screens, per sample 1,900
2108 Petrographic analysis of aggregates, additional screens, per screen 368
2106 Petrographic analysis of mortar (ASTM C 1324), per sample 2,627
3100 X-Ray diffraction analysis (XRD), per sample 283
2109 Fourier transform infrared analysis (FTIR), per sample 361
2110 Other specialty testing Quote

Masonry
Concrete Masonry Units - Standard:
1403 Compressive strength - RWU (ASTM C 140), per specimen 100
1404 Compressive strength - block (ASTM C 140), per specimen 54
1402 Absorption of RWU (ASTM C 140), per specimen 76
Grouting

Cement

Compressive strength of masonry prism assembly (ASTM C 1314), per specimen 127

Compressive strength – Hollow block prisms (ASTM C 1314), per specimen 214

Compressive strength – Grouted block prisms (ASTM C 1314), per specimen 266

Compressive strength of grout (ASTM C 1019), per specimen 78

Linear shrinkage (ASTM C 426), set of 3 specimens 885

Freeze/thaw of RWU (ASTM C 1262), per set of 5 specimens 1003 Quote

Unique testing

Freeze/thaw of brick (ASTM C 67), per set of 5 specimens 1,101 Quote

Brick weight per unit area (ASTM C 67/C 216) 177

Brick measurement of length change (ASTM C 67/C 216) 881

Brick void area in deep frosted units (ASTM C 67/C 216) 351

Efflorescence of brick or masonry units (ASTM C 67), per set of 10 samples 224

Initial rate of absorption (ASTM C 67), per set of 5 specimens 224

Compressive strength (ASTM C 67), per set of 5 specimens 203

Absorption and saturation coefficient (ASTM C 67), per set of 5 specimens 286

Dimensional analysis (ASTM C 67), per set of 5 specimens 279 Quote

Warpage (ASTM C 67), per set of 10 specimens 331

Specialty Concrete

Pachometer, per day 32

Windsor probe, per day 78

Length change of hardened concrete (ASTM C 157), per set of 3 samples 327

Absorption of cast stone (ASTM C 1195), per set of 3 219

Rapid freeze/thaw (ASTM C 666), per specimen 378

Water-soluble chloride ion (ASTM C 1218), per sample 164

Chloride, acid-soluble, concrete (ASTM C 1152), per sample 164 Quote

Bulk sample preparation, per sample 133

Electrical indications of concrete’s ability to resist chloride ion penetration (RCP ASTM 1202), per test 577

Diffusivity coefficient (ASTM C 1556), per sample 1,552 Quote

Pulse velocity meter, per day 32

Setting time (ASTM C 403), per sample 377

Cement

Fineness of cement by air permeability – (ASTM C 204), per sample 113

Batching and casting mortar samples (ASTM C 305), per sample 216

Mortar-aggregate ratio test (ASTM C 790 Annex A4), per specimen 103

GROUT

Thermal conductivity of Grout, each 147

Thermal conductivity of Portland Cement, each 208

Mortar

Compressive strength of 2x2 mortar cube (ASTM C 109), per specimen 35

Compression testing of cylindrical mortar specimen (ASTM C 780), per specimen 35

Prism testing (ASTM C 1072), per 5 mortar joints 399

Bituminous

Rice specific gravity (ASTM D 2041), per sample 97

Gyratory design point, per test 274

Asphalt content (ASTM D 2172/6307), per sample 182

Extracted aggregate gradation (ASTM D 5444), per sample 125

Marshall stability and flow (ASTM D 1559), per set of 3 specimens 76

Marshall density testing (AASHTO T245), per set of 3 specimens 147

Thickness of pavement core (ASTM D 3549) 21

Thickness and density of pavement core (ASTM D 2726), per specimen 63

Disc-shaped Compact Tension Test ASTM 7313 MNDOT Modified 492

Semicircular Bend Test 383

Draindown characteristics of asphalt (AASHTO T305 or ASTM D6390), per sample 134

Bit wear and patch material, per core 26

Lottman stripping (AASHTO T283), per sample 415

Laboratory mix design (Marshall), per mix Quote

Laboratory mix design (Gyratory), per mix Quote

Resilient modulus of bituminous, per specimen Quote

Gyratory gravity (AASHTO T312), per sample 218

Mobile laboratory rental, per month Quote

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

Sieve analysis with 200 wash (ASTM C 136 and C 117), per sample 156

Loss By Washing #200 Sieve (ASTM C 117), per sample 87

Lightweight particles 2.0 specific gravity (ASTM C 123), per sample 97

Lightweight particles 2.4 specific gravity (ASTM C 123), per sample 177

Lithological count (MNDOT 1209), per sample 152

Percent crushed (ASTM D 5821), per sample 97

Coarse aggregate specific gravity (ASTM C 127), per sample 99

Fine aggregate specific gravity (ASTM C 128), per sample 147

Modified mill abrasion (Union Pacific), per sample 156

Los Angeles Abrasion (ASTM C 131, C 535), per sample 156

Soundness, Magnesium Or Sodium Sulfate (ASTM C 88), per sample 385

Flat, elongated, and flat and elongated (ASTM D 4791), per sample 115

Flakiness index (MNDOT 1223), per sample 190

Potential reactivity (ASTM C 289), per sample 1,472

Potential reactivity of aggregates (ASTM C 1260), per sample 951

Fine aggregate angularity (ASTM C 1252), per sample 93

Unit weight (ASTM C 29), per test 87

Mill abrasion (Union Pacific), per sample 156

Moisture content (ASTM C 566), per sample 31

Organic impurities (ASTM C 40), per sample 76

Clay lumps (ASTM C 142), per sample, per size tested 153

Freeze-thaw (AASHTO T103) 383
### Insoluble residue (MNDOT)
- **1724** Insoluble residue (MNDOT 1221), sample prep only: 52
- **1732** Hveem stabilometer R-Value (MNDOT 1307), per sample: 538
- **1734** California bearing ratio (ASTM D 1883), per molded specimen: 355
- **1738** Sample crushing, per hour: 107
- **1739** Resilient modulus of fine grain soils (molded), per sample: 507
- **1761** Resilient modulus of coarse grain soils and aggregate, per sample: 541
- **1741** Sand equivalent (ASTM D 2419), per sample: 156

### Stone
- **1746** Compressive strength stone, includes end cutting (ASTM C 170), per sample: 133
- **1747** Unconfined compressive strength of intact rock core specimen (ASTM D 7012), per specimen: 133
- **1751** Coefficient of linear thermal expansion (ASTM D 5335), per sample: Quote

### Geosynthetic and Pond Liner
- **1753** Shear/peel test on field seams (HDPE, VLDPE), per sample: 175
- **1754** Material property testing: Quote

### Fire-Resistive Materials
- **1784** Thickness/Density, laboratory determination: 61
- **1785** Adhesion/Cohesion testing, per test: 49

### Other Specialty Testing
- **1470** Moisture vapor emission rate testing kit (ASTM F 1869), per kit: 42
- **1471** Relative humidity probe (ASTM F 2170), per probe: 80
- **1793** Tensile test: 129
- **1794** Floor Flatness Equipment, per pour: 250
- **1795** Dipstick rental (one week minimum), per week: 776
- **1796** Dipstick rental (one week minimum), per additional day: 230
- **1797** Anchor Testing Equipment, per test: Quote
- **3701** Infrared camera, hourly: 92

### Air meter
- **1828** Rebuild, full: 118
- **1820** Parts, each: Quote

### Nondestructive Examination Services
- **1602** Computed radiography, per section “100 Personnel Services”: Quote
- **1629** Magnetic particle examination, per section “100 Personnel Services” Quote
- **1635** Liquid penetrant examination, per section “100 Personnel Services” Quote
- **1640** Ultrasonic examination, per section “100 Personnel Services” Quote

### Infrared
- **1658** Report: Quote
- **1699** Thermographic imaging (minimum charge): Quote

### Positive materials identification (PMI)
- **1654** Equipment only, per hour: 62
- **1659** Equipment only, per day: 258
- **1668** Radiography, iridium, per shot: Quote

### Welding Operator Examination
- **1604** Bend tests: Quote
- **1611** Radiography, AWS D1.1: 150
- **1612** Bend tests, AWS D1.1: 258
- **1613** Radiography, ASME/ANSI: 155
- **1623** AWS D1.5 qualification: 185

### Weld Procedure Qualifications
- **1619** AWS D1.1: Quote
- **5569** Charpy test: Quote
- **5572** Write WPS, per hour: 299

### NDE Equipment, per day
- **1626** MT yoke: 32
- **6756** Black light: 37
- **5567** Brinnel hardness bars: 32
- **2210** Ultrasonic thickness gauge: 70
- **5269** Ultrasonic shearwave: 122

### NDE Consumables
- **1630** Consumable dry powder, per pound: 37
- **1633** Portable visible spray, per can: 37
- **1634** Portable fluorescent spray, per can: 37
- **1636** Portable developer, per can: 37
- **1637** Portable cleaner, per can: 37
- **1638** Portable visible penetrant, per can: 37
- **1639** Portable fluorescent penetrant, per can: 37
- **1642** Cellulose gum (with certifications), per quart: 70
- **1643** High temperature couplant, per 4 oz. tube: 172
- **1646** 4-1/2” x 10” film: 7
- **1647** 4-1/2” x 17” film: 11
- **1648** 14” x 17” film: 40
- **1649** 8” x 10” film: 11
- **1650** 5” x 7” film: 7
- **1651** 7” x 17” film: 21

### 70mm film, per weld
- **5440** Up to 6” etch: 22
- **5441** 8” – 12” etch: 28
- **5442** 14” – 18” etch: 35
- **5443** 20” – 24” etch: 42
- **5444** 26” – 30” etch: 50
- **5446** 32” – 36” etch: 63

### Geophysical Testing
- **259** Ground penetrating radar, per hour: 216
- **1443** Ground penetrating radar, per hour on site (includes equipment): 216
- **1447** Ground penetrating radar, per project: Quote
- **8640** Mobilization for ground penetrating radar, per trip: 272

### Coatings
- **617** Inspections, per hour: 134
- **627** Inspections, NACE certified, per hour: 175
- **637** Specification review, per hour: 226
- **1606** PosiTest AT Adhesion Tester, per Day: 60
- **1607** Elcometer 270 Holiday detector, per day: 60
- **1608** Adhesion tests, 20 MM, each: 50
- **2210** Ultrasonic thickness gauge, per day: 70
<table>
<thead>
<tr>
<th>Item Number</th>
<th>Item Description</th>
<th>Rate Unit</th>
<th>Rate Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1660</td>
<td>NDE Miscellaneous Expense</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1661</td>
<td>Vehicle mileage, per mile</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1662</td>
<td>Mobile darkroom, per day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1663</td>
<td>Mobile darkroom, per mile</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1664</td>
<td>Radiography transponder, per day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1665</td>
<td>Trip charge</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1666</td>
<td>Report</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5000</td>
<td>Generator, per day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5003</td>
<td>Grundfos Pump, per day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5001</td>
<td>Peristaltic Pump per day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3105</td>
<td>Submersible pump (40')</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3103</td>
<td>Colorimeter (Hach DR890), per day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3093</td>
<td>Field test kit, per reagent parameter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5018</td>
<td>Ordinary consumables, per well</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5137</td>
<td>Solinst Levelogger 3001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5138</td>
<td>Per week</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5139</td>
<td>Per month</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5019</td>
<td>YSI 556 water quality meter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5020</td>
<td>Per hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5021</td>
<td>Per day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5025</td>
<td>Disposable bailer, each</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5027</td>
<td>Field filtering water, per sample</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5080</td>
<td>Interface probe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5081</td>
<td>Per day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5083</td>
<td>Water level tape</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5084</td>
<td>Per hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5085</td>
<td>Per week</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3106</td>
<td>Boat, per day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5035</td>
<td>Field Analysis/Air Quality</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5036</td>
<td>PID w/10.6 eV lamp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5037</td>
<td>Per week</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5038</td>
<td>PID w/11.8 eV lamp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5039</td>
<td>Per hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5040</td>
<td>Per week</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5043</td>
<td>MSA Orion 4-gas meter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5044</td>
<td>Per day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5045</td>
<td>Per week</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5050</td>
<td>Landtec methane monitor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5051</td>
<td>Per day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5053</td>
<td>PDR-1000 aerosol dust monitor</td>
<td>Per day</td>
<td>160</td>
</tr>
<tr>
<td>5054</td>
<td>Per week</td>
<td>Per week</td>
<td>493</td>
</tr>
<tr>
<td>5056</td>
<td>Lumex mercury vapor analyzer</td>
<td>Per day</td>
<td>584</td>
</tr>
<tr>
<td>5064</td>
<td>Apex air sampling pump</td>
<td>Per day</td>
<td>2,005</td>
</tr>
<tr>
<td>5065</td>
<td>Industrial Hygiene Equipment/Supplies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5066</td>
<td>Per hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5067</td>
<td>Air sampling pump</td>
<td>Per day</td>
<td>64</td>
</tr>
<tr>
<td>5068</td>
<td>XRF spectrum analyzer</td>
<td>Per hour</td>
<td>138</td>
</tr>
<tr>
<td>5069</td>
<td>Safety Plans/Equipment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5070</td>
<td>Per day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5071</td>
<td>Unmanned Aerial Systems (UAS)</td>
<td>Per day</td>
<td>2,793</td>
</tr>
<tr>
<td>5072</td>
<td>Reliance Letter, per addressee</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

January 1, 2019
Page 6
### Pavement Evaluation Services

#### Nondestructive testing and analysis flexible pavements

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>8560</td>
<td>Parking lot testing and evaluation services</td>
<td>Quote</td>
</tr>
<tr>
<td>8510</td>
<td>Surface condition survey, per hour</td>
<td>Quote</td>
</tr>
<tr>
<td>8620</td>
<td>Falling Weight Deflectometer (FWD) testing, per hour</td>
<td>482</td>
</tr>
<tr>
<td>8640</td>
<td>Mobilization</td>
<td>272</td>
</tr>
</tbody>
</table>

#### Expenses

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1854</td>
<td>Vehicle, per day</td>
<td>52</td>
</tr>
<tr>
<td>1856</td>
<td>Vehicle, per mile</td>
<td>Quote</td>
</tr>
<tr>
<td>1861</td>
<td>CMT Trip charge, per trip</td>
<td>Quote</td>
</tr>
</tbody>
</table>

#### Personnel Services, Per Hour

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>121</td>
<td>Engineer-in-training</td>
<td>150</td>
</tr>
<tr>
<td>118</td>
<td>Staff Engineer</td>
<td>162</td>
</tr>
<tr>
<td>320</td>
<td>Staff Scientist</td>
<td>157</td>
</tr>
<tr>
<td>157</td>
<td>BaSS Observation/Testing (3)</td>
<td>126</td>
</tr>
<tr>
<td>327</td>
<td>Industrial Hygienist</td>
<td>197</td>
</tr>
<tr>
<td>156</td>
<td>BaSS Observation/Testing (2)</td>
<td>126</td>
</tr>
<tr>
<td>126</td>
<td>Project Engineer</td>
<td>197</td>
</tr>
<tr>
<td>330</td>
<td>Project Scientist</td>
<td>191</td>
</tr>
<tr>
<td>158</td>
<td>BaSS Observation/Testing (4)</td>
<td>126</td>
</tr>
<tr>
<td>128</td>
<td>Senior Engineer</td>
<td>220</td>
</tr>
<tr>
<td>340</td>
<td>Senior Scientist</td>
<td>214</td>
</tr>
<tr>
<td>338</td>
<td>Senior Industrial Hygienist</td>
<td>242</td>
</tr>
<tr>
<td>155</td>
<td>BaSS Observation/Testing (1)</td>
<td>126</td>
</tr>
<tr>
<td>130</td>
<td>Principal Engineer</td>
<td>267</td>
</tr>
<tr>
<td>350</td>
<td>Principal Scientist</td>
<td>259</td>
</tr>
<tr>
<td>257</td>
<td>Forensic Engineer/Architect Expert</td>
<td>280</td>
</tr>
<tr>
<td>226</td>
<td>Project Manager</td>
<td>197</td>
</tr>
<tr>
<td>228</td>
<td>Senior Project Manager</td>
<td>220</td>
</tr>
</tbody>
</table>

Rates for litigation support services will include a surcharge.

#### Building and Structure Sciences (BaSS)

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>160</td>
<td>Consultant I</td>
<td>146</td>
</tr>
<tr>
<td>161</td>
<td>Consultant II</td>
<td>152</td>
</tr>
<tr>
<td>162</td>
<td>Consultant III</td>
<td>166</td>
</tr>
<tr>
<td>163</td>
<td>Consultant IV</td>
<td>196</td>
</tr>
</tbody>
</table>

#### Field and office services, regular hourly rates*

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>Technician I</td>
<td>93</td>
</tr>
<tr>
<td>106</td>
<td>Technician II</td>
<td>110</td>
</tr>
<tr>
<td>110</td>
<td>Technician III</td>
<td>127</td>
</tr>
<tr>
<td>111</td>
<td>Technician IV</td>
<td>140</td>
</tr>
<tr>
<td>138</td>
<td>Project Assistant</td>
<td>110</td>
</tr>
<tr>
<td>371</td>
<td>CADD/Graphics Operator</td>
<td>134</td>
</tr>
<tr>
<td>375</td>
<td>GIS Technician</td>
<td>134</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>108</td>
<td>Level II NDE Technician</td>
<td>127</td>
</tr>
<tr>
<td>629</td>
<td>Magnetic Particle</td>
<td></td>
</tr>
<tr>
<td>635</td>
<td>Liquid Penetrant</td>
<td></td>
</tr>
<tr>
<td>640</td>
<td>Ultrasonic Examination</td>
<td></td>
</tr>
<tr>
<td>645</td>
<td>Solo Technician-Radiography</td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>AWS-Certified Weld Inspector</td>
<td>134</td>
</tr>
<tr>
<td>613</td>
<td>Radiography, two-man crew (IR-192)</td>
<td>203</td>
</tr>
<tr>
<td>619</td>
<td>Radiography, three-man crew (IR-192)</td>
<td>284</td>
</tr>
<tr>
<td>254</td>
<td>PMI (positive material identifier) services</td>
<td>243</td>
</tr>
<tr>
<td>615</td>
<td>Radiography, two-man crew (Co-60)**</td>
<td>267</td>
</tr>
<tr>
<td>107</td>
<td>API 510/570/653 Technician</td>
<td>150</td>
</tr>
<tr>
<td>117</td>
<td>Level III NDE services</td>
<td>175</td>
</tr>
<tr>
<td>602</td>
<td>Computed Radiography (CR)</td>
<td>342</td>
</tr>
<tr>
<td>643</td>
<td>Phased array two man crew, per hour</td>
<td>206</td>
</tr>
</tbody>
</table>

Reduced weekly and monthly rates available for continuous service. Regular hourly rates apply during normal work hours of 7 AM to 4 PM, 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 factor 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 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 a three-man crew.

Code 615 plus Assistant code 614

Note: Hourly rates shown apply to projects within a 50 mile radius of a Braun Intertec Minnesota office location. A 15% discount will be applied to hourly rates for projects outside a 50 mile radius where travel time and expense will be invoiced separately.
CONSTRUCTION TESTING AND INSPECTION SERVICES RFP- EXHIBIT C

Name of Firm __________________________ Braun Intertec Corporation __________________________ Proposal
Dated __September 30, 2019____

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

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

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 ☒ / Periodic ☒)
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

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 Testing, High Speed Ground Penetrating Radar, Pavement Condition Index, Mix Design Review and Consultation, Pavement Failure Investigating, and Pavement Maintenance Recommendations.

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 Special Inspectors.

Other
- Window/Curtain Wall Testing and Inspection
- Roofing/Waterproofing Testing and Inspection
- Sealant Pull Tests
- Fluid-Applied Vapor Barrier Testing

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 attached document for unique qualifications.

B. For each bolded category of service checked, a minimum of three (3) project references is required (pass/fail). Include the following for each project reference:

1. Project title
2. Scope
3. Dates started and completed
4. Name and number of years experience of Responder’s staff member supervising the project (must be minimally 5 years of experience and must be registered or certified in the State of MN)
5. Client’s company name, mailing address
6. Client’s contact person name, position title, telephone and fax numbers
1 FIRM'S BACKGROUND
**OUR SCIENCE. YOUR SOLUTIONS.**
For more than 60 years Braun Intertec has provided environmental, geotechnical, 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 60 years. That’s Braun Intertec.

**AN INTERDISCIPLINARY APPROACH.**
We are proud to be an employee-owned firm offering a comprehensive scope of award-winning services to the municipal, retail, commercial, utilities, residential, water infrastructure, mining, oil and gas, transportation, industrial/agriculture, institutional, and healthcare 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 expertise, level of accountability and personal attention.

**SPECIALIZED SERVICE FROM KNOWLEDGEABLE PEOPLE.**
Our team of more than 1,000 engineers, managers and field personnel specialize in more than 100 technical disciplines. Their expertise, experience and commitment to excellence have built a trusted reputation by delivering results that have made us the consultant of choice across industry and state lines. With rigorous quality assurance/quality control programs and numerous national accreditations, you’ll find reliable and cost-effective solutions regardless of your project scope.

**OUR SERVICES.**
Our interdisciplinary approach is based on creative problem solving, proactive planning and comprehensive support from Braun Intertec experts. We can provide a mix of services to meet your needs in the most cost-effective, efficient and timely manner.

- Geotechnical Engineering
- Drilling
- Construction Materials Testing
- Materials Laboratory Testing
- Structures Evaluation
- Environmental Consulting
- Building Sciences
- Nondestructive Examination
- Geospatial Operations
UNDERSTANDING YOUR CHALLENGES
We have a long-standing and growing network of office locations allowing us to provide services on hundreds of projects every year. Our ability to help clients understand the geotechnical, environmental, and testing conditions of their potential project site allows for a more accurate estimate of costs preconstruction and helps to stay within budget during design and construction.
When a potential issue is identified, Braun Intertec works with project stakeholders to navigate the challenges and develop solutions. Through innovative use of technology, communication you can trust, and solutions you can count on, you’ll discover there are few firms who can offer you this level of accountability and personal attention.

ADDING VALUE TO YOUR PROJECT
Delivering added value to each of your projects is a top priority for Braun Intertec. From project initiation to project completion, you can count on us to anticipate issues, partner with you to find solutions, and meet your construction deadlines. When you partner with us, you benefit from our:
• Expertise in working within tight budgets and schedule constraints
• Locally-based field equipment and subject matter experts for quick response times
• Effective communication with project stakeholders including municipal staff, civil engineering consultants, and general contractors
• High quality, professional service and attention
GEOTECHNICAL ENGINEERING

A strong foundation starts with a thorough understanding of soils and site characteristics. The geotechnical engineering team at Braun Intertec offers a wide range of resources including extensive professional experience to discover the mechanics of soil and rock for any project. Our highly trained team of engineers and field technicians provide site exploration and testing services, anticipate potential issues and provide strategic recommendations. In addition, we have a full service, in-house geotechnical and materials laboratory to give your team greater control over testing schedules and project reports. We also continue to add new technical services areas and expand our existing service areas.

DEEP FOUNDATIONS
- Foundation selection among driven piles, micro pile, drilled shaft, auger-cast, and more
- Foundation axial/lateral load-carrying resistance and anticipated movements
- In-house integrity testing equipment (pulse-echo testing, cross-hole sonic logging)
- Evaluations with parallel seismic testing
- Designing and running instrumented static load tests and load test programs
- Assistance in specification preparation

GEOSTRUCTURAL ENGINEERING
- Retaining wall, helical pier and micropile design
- Value engineering and design alternates
- Falsework and formwork
- Shoring and bracing of structures
- Demolition plans for bridges and buildings
- Roll-in/roll-out structures
- Underpinning
- Spreader beams and lifting eyes
- Reinforced soil structure walls and soil slopes

IN-SITU TESTING
- Cone Penetration Testing (CPT) and Seismic CPT
- Dilatometer Testing (DMT)
- Pressuremeter Testing.
- Dissipation Testing
- Vane Shear Testing
- Piezometer
INSTRUMENTATION
• Full-service provider of comprehensive instrumentation programs and systems
• Web-based real-time Instrumentation Monitoring System
• Data reduction, evaluation, and analysis

PAVEMENT
• Falling Weight Deflectometer (FWD) Testing
• Ground Penetrating Radar (GPR) Surveys
• Pavement Condition Index (PCI) Assessments
• Mix Design and Consulting Services
• Asphalt and Concrete Pavement Maintenance Recommendations and Timing
• Geotechnical and Pavement Failure Investigations
• Laboratory Evaluation of Pavement Materials
• Specification and Bid-Document Preparation and Review
• Construction QA/QC Testing and Inspection
• Pavement Data Management Data Mining and Integration
• Value Engineering

SLOPE STABILITY
Whether you need to design an embankment for a dam, levee, mine, road, or you have a landslide that needs to be mitigated or prevented, our slope stability engineers are trained to provide you the level of expertise you need. Our slope stability engineers are experienced in a variety of finite element modeling software packages and can also bring a turnkey construction perspective. We can identify and investigate the mechanisms that govern slope performance. The identification and understanding of performance mechanisms is the key to developing sound analytical models and evaluating the impact of the many geotechnical factors that can contribute to unfavorable structure performance. Our team of experts can identify appropriate embankment designs and landslide mitigation alternatives.

DRILLING
You can use our drilling experience to obtain subsurface soil, rock and groundwater information to evaluate their impact on the design and construction of your project.

Our experienced drill crews can perform:
• Standard Penetration Tests (SPT)
• Cone Penetration Testing (CPT)
• Rock Coring
• Hollow Stem Drilling
• Solid Stem Drilling
• Wire Line Coring
• Direct Push Sampling
• Air Rotary
• Mud Rotary Drilling
• Instrumentation Installations
CONSTRUCTION MATERIALS TESTING

With our long history and extensive staff expertise, Braun Intertec has provided construction materials testing services to a broad range of developers, contractors, consultants, municipalities, agencies and corporations. You’ll find our expertise on the most monumental structures throughout the central United States. We work closely with your team early in the process to anticipate and minimize potential issues that could result in costly project delays, and we’ll help you work toward targeted solutions.

ASPHALT BATCH PLANT & PAVEMENT OBSERVATIONS

Braun Intertec is regularly asked to provide asphalt batch plant observations for both QA and QC. These services include mix and testing equipment verification, monitoring daily production tests performed by the contractor, obtaining verification samples of the mix being placed, and performing quality tests on approved bituminous mixtures. Pavement observations include pavement lift thickness verification, mix placement temperature documentation, randomly determining core locations and observing the contractor or self-performing the core extraction.

When determining the material acceptance guidelines for your local Department of Transportation and project-specific specifications, asphalt batch and pavement observations can help clients assess the mixture’s durability and potential life-cycle, as well as help establish critical incentives and disincentive payment guidelines.

CONCRETE BATCH PLANT & PAVING OBSERVATIONS

Concrete batch plant observations involve Braun Intertec personnel providing QA and/or QC during the production of concrete. Concrete batch plant observation services include monitoring plant operations prior to and during production, aggregate identification and testing, and concrete property (cement, fly ash, and admixtures) verification and sampling. When the quality of the concrete delivered to your project is critical, concrete batch plant inspections give you the added benefit of knowing the mix designs and the properties allocated to the designs are being properly prepared before leaving the plant.
CONCRETE PLACEMENT OBSERVATION & TESTING
On-site testing and observations are performed by American Concrete Institute (ACI) concrete certified technicians. During each placement, the fresh concrete is tested for specified properties to verify that the concrete delivered to the project meets specifications. These tests help prevent the placement of the wrong concrete, concrete not meeting design or durability specifications, which can often lead to costly rework. Strength samples are also prepared to establish whether the concrete ultimately attains design strength or adequate strength to allow for form stripping, stressing or steel erection.

Experienced technicians are also on site during the concrete placement to document and perform placement observations. These observations verify that during the concrete placement, proper care was taken to the structure’s reinforcement and other critical components while the work was in progress.

DEEP FOUNDATIONS
The performance of foundation systems is dependent on a number of factors including geotechnical conditions, applied loads and specific site and project considerations. Thus, each phase of the design, installation, inspection, and quality assurance testing process is critical to the success of a deep foundation in performing its intended purpose. A well planned and effectively implemented testing and inspection program often results in significant construction savings.

In addition, constant and knowledgeable inspection can lead to an increase in reliability and reduction of risk. Our geotechnical engineers and experienced technicians have years of experience with a wide variety of foundation support systems including various pile systems, drilled piers, augur cast pile, and rammed aggregate piers.

SOIL COMPACTION TESTING & OBSERVATION
Soil observations and testing are an integral part of getting your project started and built on a solid foundation. From the evaluation of the suitability of an excavation’s subgrade to assessing the suitability of fill soils, and the subsequent compaction testing of the engineered fills, our geotechnical engineers and experienced technicians will be there to get your project off to an excellent start, and also help prevent issues during construction that can arise from unsuitable soils and improperly engineered fills.
From site selection and planning, to design and construction, to operations and property management, Braun Intertec is a trusted adviser to hundreds of public entities and private clients across the nation for environmental concerns. At Braun Intertec, we take pride in our multi-faceted and practical approach to environmental consulting. During our process of developing environmental solutions, our geologists, hydrogeologists, engineers and scientists maintain a clear understanding of your business objectives to help you navigate complicated environmental issues.

**OUR ENVIRONMENTAL CONSULTING CAPABILITIES SPAN THE FOLLOWING AREAS:**

- Due Diligence
- Remediation Design & Implementation
- Environmental Management
- Natural Resources Management
From site selection and planning, to design and construction, to operations and property management, Braun Intertec is a trusted adviser to dozens of public entities and private clients across the nation for environmental concerns. We take pride in our multi-faceted and practical approach to environmental consulting. During our process of developing environmental solutions, our geologists, hydrogeologists, engineers and scientists maintain a clear understanding of your business objectives to help you navigate complicated environmental issues.

DUE DILIGENCE

PHASE I ENVIRONMENTAL SITE ASSESSMENTS
Braun Intertec performs hundreds of Phase I Environmental Site Assessments (ESA) each year to support acquisition due diligence and provide the documentation needed for financing. Our experienced staff will deliver the knowledge and expertise necessary to perform a thorough Phase I ESA to identify recognized environmental conditions that could affect negotiating the purchase or sale of a property or impact future redevelopment.

PHASE II ENVIRONMENTAL SITE ASSESSMENTS
If your site’s previous uses and Phase I ESA indicates recognized environmental conditions or potential for contamination of soil, groundwater, and soil vapor, we can perform a Phase II ESA to assess current site conditions. With drilling capabilities from our wholly owned subsidiary, Braun Intertec Drilling, and established relationships with full-service national laboratories, Braun Intertec can provide accurate and comprehensive information to help you make informed decisions about your real estate transactions and future development.

SOIL, WATER AND VAPOR SAMPLING
Braun Intertec performs soil, water and vapor sampling for a range of scenarios and at all stages of project planning or construction process, including ongoing contamination monitoring, unexpected contamination encountered during construction, responding to public concerns, or permitting compliance.

REGULATORY LIAISON
If you are buying or selling property, including refinancing or redeveloping, we can provide customized and comprehensive evaluations of applicable regulatory programs. If environmental hazards are found at your site, Braun Intertec can notify and meet with regulatory agencies to formulate streamlined response actions and apply for appropriate liability assurances. In addition, we can help you resolve Notice of Violations (NOV), Administrative Penalty Orders (APO), and Stipulation Agreements (STIP).
BUILDING ENVELOPE

There are many components in the building enclosure that are subject to design, construction and installation issues. Integrating building enclosure systems, such as roofs, walls, fenestrations, and waterproofing components, is important to sustaining long-term performance and durability. Our understanding of common defects and issues equips us with the collective knowledge and experience to address the challenges faced with new and existing building enclosure systems.

OUR SERVICES INCLUDE:

• Condition Assessments
• Asset Management Surveys
• Façade Consulting
• Roofing and Waterproofing Consulting
• Fenestration Consulting and Testing
• Parking Garage Assessment
• Remedial Design and Construction Documents
• Constructability / Peer Review of Design Documents
• Construction Administration
• Field Verification Testing
• Construction observation / quality assurance verification
• Warranty reviews and post-occupancy commissioning
Braun Intertec provides consulting, architectural and engineering services related to many areas of roofing and waterproofing construction. In addition to new construction and remedial roofing or waterproofing projects, we are also involved with the management, assessment, forensics and testing of sites. This background provides us with the knowledge and basis to make decisions related to materials and systems with a proven track record. Our goal is to provide you with roofing and waterproofing systems that meet your needs and budget.

Our trained and certified field personnel provide quality assurance to monitor workmanship, proper installation of materials, conformance to specifications and assistance in identifying construction issues. Our professionals have the experience and knowledge to work as your representative to make decisions and keep projects moving.

ROOF CONSULTING SERVICES:
We have a long-standing and growing network of office locations allowing us to provide Roof Consulting on numerous projects every year. Our teams’ experience with roofing systems include: built-up roofs, modified bitumen roofs, EPDM roofs, single-ply roofs (TPO & PVC), metal roofs, and fluid-applied roofs. Our experience provides us with the knowledge and basis to help inform clients of actual roof system life expectancies and deferred maintenance service requirements over the life of the roof. From new construction to existing roof construction, our goal is to develop innovative solutions and strategies to enhance and increase roof system performance, with the goal of maximizing and extending roof system service life.

OUR SERVICES:
• Roof Condition Assessments
• New/Remedial Roof Replacement Design
• Construction Administration
• Construction Observations/ Inspections
• Field Verification Testing
• Warranty Reviews
• Constructability/ Peer Review
• Roof Asset Management Surveys
WATERPROOFING CONSULTING SERVICES:
Waterproofing systems play an integral role as demands for building performance and occupant comfort increases. These systems are often covered up during construction by exterior cladding, overburden and soils; therefore, relying on correct application and installation of each waterproofing product and integration with other building enclosure systems. Failure of waterproofing materials and systems can lead to leaks, air infiltration and over time can cause damage and distress to the building structure. Repairs are often expensive, so proper design and installation of each waterproofing system is critical to long-term performance.

ABOVE-GRADE WATERPROOFING SERVICES include design reviews, inspection and testing on systems and materials subject to air and water intrusion. These systems generally include:
• Air Barriers
• Dampproofing Membranes
• Weather Resistive Barriers (WRB)
• Membrane Flashings
• Sealants

BELOW-GRADE WATERPROOFING SERVICES include design reviews, inspection and testing on systems and materials subject to hydrostatic water pressure. These systems generally include:
• Vertical Foundation Waterproofing (Positive Side, Negative or Blind Side Waterproofing)
• Horizontal Waterproofing

OUR SERVICES INCLUDE:
• Condition Assessments
• New / Remedial Waterproofing Design
• Construction Observations / Inspections
• Field Verification Testing
• Leak Investigations
• Constructability / Peer Review
FIELD VERIFICATION INSPECTION AND TESTING

Verifying building enclosure systems meet defined objectives and performance requirements is essential to ensuring long-term sustainability, durability, and occupant comfort. Often times, buildings are constructed that result in air infiltration or water intrusion into interior spaces. Implementing an inspection and testing plan can aid in identifying potential conflicts or problems in the building enclosure systems and assemblies to optimize building performance. Braun Intertec routinely provides third-party inspections and testing on new and remedial construction projects to verify performance objectives are met.

OUR SERVICES INCLUDE:

• Mock-Up Inspection and Testing
• Building Air Infiltration (blower door) per ASTM E779/USACE Standards
• Fenestration Air Infiltration / Water Penetration Testing – AAMA Accredited
• Thermographic Inspections - ASTM C1153 and ASTM C1060
• Roof Uplift Testing – FM 1-52
• Moisture Vapor Emission Testing - ASTM F2420 and F2170
• Membrane Adhesion Testing
• Fastener Withdrawal Testing
• Sealant Adhesion Testing
FORENSIC INVESTIGATION

Braun Intertec is often asked to provide professional opinions on causes of material failures and deterioration that impact the performance of the building. The lack of maintenance, improper design, poor workmanship or departures from the construction documents are often the causes of these building defects.

The services we perform utilize our collective knowledge and testing capabilities to assess the building in the most cost-effective and efficient manner. Frequently, the goal is to determine the cause and origin of a particular building failure or source of the building failure and determine corrective measures to mitigate the issue. We work with the owner and building personnel to minimize disruption to operations when performing our assessment and implement a plan to address the issues during the repair/replacement phase.

OUR SERVICES INCLUDE:

• Moisture / Water Intrusion
• Material and Component Failures
• Window Failures
• Coating Failures
• Differential Movement
• Exterior Wall Distress / Cracking
• Air Infiltration
• Infrared Thermography
• Construction Defect Litigation
• Remedial Design Repairs
Our Nondestructive Examination (NDE) group has earned a reputation for providing high quality services on a wide range of projects. For more than 35 years, we have been providing services to the petrochemical, mining, power generation, pipeline, aerospace, automotive, manufacturing, fabrication, and construction industries. Our ability to provide services across many industries has allowed us to maintain the largest NDE staff in the upper Midwest region while expanding our NDE services throughout the central United States. Our NDE group works diligently to help you meet project specifications by providing services performed by qualified technicians.

Training and Qualifications:
- Level I, II, III, SNT-TC-IA certified technicians
- AWS-CWI inspectors
- CWB inspections
- API 510, 570, 653 inspectors
- ACCP Level II inspectors
- PED Level II inspectors
- ICC-certified special inspectors
- OQ – Operator Qualified
- NACE-certified inspectors
- SSPC – CCI and C3 inspectors

STRUCTURAL STEEL AND FIREPROOFING SPECIAL INSPECTIONS/ICC

Braun Intertec is an industry leader in performing special inspections on construction-related projects. Our special inspectors maintain ICC certification in areas such as concrete reinforcement, masonry, structural steel, welding, bolting, and fireproofing. Our certified inspectors provide both fabrication shop and erection observations in accordance with approved drawings and project specifications.

By using our team of ICC-certified professionals with decades of accumulated experience, you can be confident that your project is inspected by qualified individuals who understand the details of the special inspection process related to:
- Pre-stressed concrete
- Concrete reinforcement
- Structural masonry
- Soils
- Structural steel and welding

Within each of these categories, we’re able to conduct hundreds of tests and provide you with convenient and timely reporting from the site.
PROJECT EXPERIENCE
## EXHIBIT A - PROJECT EXPERIENCE

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Geotechnical Service</th>
<th>Concrete Testing and Inspection Services</th>
<th>Masonry Testing and Inspection Services</th>
<th>Structural Steel Inspection Services</th>
<th>Pavement Testing and Inspection</th>
<th>Fireproofing/ Firestopping Testing and Inspection</th>
<th>Other</th>
<th>Phase I Environmental Investigation</th>
<th>Phase II Environmental Investigation</th>
<th>Remediation Services</th>
<th>Project Supervisor</th>
<th>Years of Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allianz Field</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>Jeremiah Yernberg</td>
<td>15</td>
</tr>
<tr>
<td>New Sartell High School</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Steve Thayer</td>
<td>28</td>
</tr>
<tr>
<td>New St. Cloud Tech High School</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Steve Thayer</td>
<td>28</td>
</tr>
<tr>
<td>Student Health and Academic Renovation</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Brett Gruber</td>
<td>9</td>
</tr>
<tr>
<td>US Bank Stadium</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Chris Kehl</td>
<td>19</td>
</tr>
<tr>
<td>Child &amp; Adolescent Behavioral Health Services Facility</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Steve Thayer</td>
<td>28</td>
</tr>
<tr>
<td>Lowertown CHS Field</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
<td>Robert Janssen</td>
<td>35</td>
</tr>
<tr>
<td>Essentia Health - Vision Northland Project</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Joseph Butler</td>
<td>18</td>
</tr>
<tr>
<td>Vikings Lake Development- Vikings Practice Facility</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Chris Kehl</td>
<td>19</td>
</tr>
<tr>
<td>Rafter 26 Story Building</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
<td>Chris Kehl</td>
<td>19</td>
</tr>
<tr>
<td>First Light Health System - Mora Additions and Renovations</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td>Brett Gruber</td>
<td>9</td>
</tr>
<tr>
<td>18130 Repair Pedestrian Entry Bridge at Fairbault AFRC</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Brett Gruber</td>
<td>9</td>
</tr>
<tr>
<td>18112 Area 5 Building Site</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Brett Gruber</td>
<td>9</td>
</tr>
<tr>
<td>17126 Camp Ripley Training Facility</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Steve Thayer</td>
<td>28</td>
</tr>
<tr>
<td>Minnesota Air National Guard Load Crew Training &amp; Weapons Release Shops</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>David Morrison</td>
<td>9</td>
</tr>
<tr>
<td>Redwood Falls National Guard Armory Pavements</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Philip Bailey</td>
<td>15</td>
</tr>
<tr>
<td>Clay County Transfer Station</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Nate McKinney</td>
<td>16</td>
</tr>
<tr>
<td>Moorhead Grade Separation</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
<td>Ezra Ballinger</td>
<td>13</td>
</tr>
<tr>
<td>Kenwood Village Multi-use Apartment</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td>Joseph Butler</td>
<td>18</td>
</tr>
<tr>
<td>Essentia Health Regional Wellness Center - Hermantown</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td>David Morrison</td>
<td>9</td>
</tr>
</tbody>
</table>
PROJECT TITLE: Allianz Field  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Masonry Testing & Inspections, Structural Steel Inspections, Pavement Testing & Inspections, Fireproofing/Firestopping Testing & Inspections, Building Envelope Observations, Roofing Inspections (other), Phase I Environmental Investigation, Phase II Environmental Investigation, Remediation Services  
**DURATION:** February 2016 – April 2019  
**PROJECT SUPERVISOR:** Jeremiah Yernberg, 15 years of experience  
**CLIENT:** MUSC Holdings, LLC  
**MAILING ADDRESS:** 4150 Olson Memorial Highway, #300, Golden Valley, MN 55422  
**CONTACT:** Nate Pearson, Tegra Group – Owner’s Representative  
**PHONE:** 612.752.5744  
**FAX:** N/A

PROJECT TITLE: New Sartell High School  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Masonry Testing and Inspections, Structural Steel Inspections, Pavement Testing & Inspections, Fireproofing/Firestopping Services, Phase I Environmental Investigation  
**DURATION:** October 2017 – August 2019  
**PROJECT SUPERVISOR:** Steve Thayer, 28 years of experience  
**CLIENT:** Winkleman Building Corporation/Bradbury Stamm Construction  
**MAILING ADDRESS:** 340 Highway 10 South, St. Cloud, MN 56304  
**CONTACT:** Robbie Schultz, Project Manager  
**PHONE:** 320.253.2411  
**FAX:** 320.253.2324

PROJECT TITLE: New St. Cloud Tech High School  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Masonry Testing & Inspections, Structural Steel Inspection Services, Pavement Testing & Inspections, Fireproofing/Firestopping Testing & Inspections.  
**DURATION:** February 2017 – August 2019  
**PROJECT SUPERVISOR:** Steve Thayer, 28 years of experience  
**CLIENT:** Independent School District 742  
**MAILING ADDRESS:** 1201 2nd Street South, St. Cloud, MN 56387  
**CONTACT:** Kyle Walter, ICS Consulting, Inc. – Owner’s Representative  
**PHONE:** 320.309.9227  
**FAX:** 763.780.2866

PROJECT TITLE: Student Health and Academic Renovation  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Masonry Testing & Inspections, Structural Steel Inspections, Pavement Testing & Inspections.  
**DURATION:** February 2018 – August 2019  
**PROJECT SUPERVISOR:** Brett Gruber, 9 years of experience  
**CLIENT:** St. Cloud State University  
**MAILING ADDRESS:** 720 4th Avenue South, St. Cloud, MN 56301  
**CONTACT:** Larry Blaiser, Facilities Manager  
**PHONE:** 320.308.2267  
**FAX:** 320.308.2770
PROJECT TITLE: U.S. Bank Stadium  
**SCOPE:** Concrete Testing & Inspections, Masonry Testing & Inspections, Structural Steel Inspections, Pavement Testing & Inspections, Destructive and nondestructive evaluation of concrete, Coating Inspections (Other), Roofing Inspections (Other), Waterproofing Inspections (Other), Building Envelope Review (Other).  
**DURATION:** 2013-2016  
**PROJECT SUPERVISOR:** Chris Kehl, 19 years of experience  
**CLIENT:** Metropolitan Sports Facilities Authority  
**MAILING ADDRESS:** 900 South 5th Street, Minneapolis, MN 55415  
**CONTACT:** Steven C. Maki, PE  
**PHONE:** 612.518.2274  
**FAX:** 612.332.8334

PROJECT TITLE: Child & Adolescent Behavioral Health Services Facility  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Masonry Testing & Inspections, Structural Steel Inspection Services, Pavement Testing & Inspections, Fireproofing/Firestopping Testing & Inspections.  
**DURATION:** August 2018 - Current  
**PROJECT SUPERVISOR:** Steve Thayer, 28 years of experience  
**CLIENT:** Minnesota Department of Administration  
**MAILING ADDRESS:** 50 Sherburne Avenue, St. Paul, MN 55155  
**CONTACT:** Paul Gannon, Project Manager  
**PHONE:** 651.296.2278  
**FAX:** 651.297.3996

PROJECT TITLE: Lowertown CHS Field  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Masonry Testing & Inspections, Structural Steel Inspections, Pavement Testing & Inspections, Phase I Environmental Investigation, Phase II Environmental Investigation, Remediation Services  
**DURATION:** September 2012 – July 2018  
**PROJECT SUPERVISOR:** Robert Janssen, 35 years of experience  
**CLIENT:** Nelson, Tietz & Hoye  
**MAILING ADDRESS:** 81 South 9th Street, Suite 330, Minneapolis, MN 55402  
**CONTACT:** Paul Johnson, Project Manager  
**PHONE:** 612.344.1500  
**FAX:** 612.344.1540

PROJECT TITLE: Essentia Health – Vision Northland Project  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Masonry Testing & Inspections, Structural Steel Inspections, Pavement Testing & Inspections, Fireproofing/Firestopping Testing & Inspections, Phase I Environmental Investigation, Remediation Services  
**DURATION:** July 2018 - Current  
**PROJECT SUPERVISOR:** Joseph Butler, 18 years of experience  
**CLIENT:** Essentia Health  
**MAILING ADDRESS:** 407 East 3rd Street, Duluth, MN 55805  
**CONTACT:** Dan Cebelinski, Director of Facilities  
**PHONE:** 218.786.2398  
**FAX:** N/A
**PROJECT TITLE:** Vikings Lake Development - Vikings Practice Facility  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Masonry Testing & Inspections,  
Structural Steel Inspections, Pavement Testing & Inspections, Fireproofing/Firestopping Testing &  
Inspections, Phase I Environmental Investigation.  
**DURATION:** 2015 - Current  
**PROJECT SUPERVISOR:** Chris Kehl, 19 years of experience  
**CLIENT:** MN Dev Company  
**MAILING ADDRESS:** 2685 Vikings Circle, Eagan, MN  
**CONTACT:** Gary Gleason, Project Manager  
**PHONE:** 612.799.6512  
**FAX:** N/A

**PROJECT TITLE:** Rafter 26 Story Building  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Masonry Testing & Inspections,  
Structural Steel Inspections, Pavement Testing & Inspections, Fireproofing/Firestopping Testing &  
Inspections, Building Envelope Review and Testing (Other), Phase I Environmental Investigation, Phase II Environmental Investigation, Remediation Services  
**DURATION:** 2015 - 2019  
**PROJECT SUPERVISOR:** Chris Kehl, 19 years of experience.  
**CLIENT:** Mortenson Development  
**MAILING ADDRESS:** 700 Meadow Lane North, Minneapolis, MN 55422  
**CONTACT:** Dan O’Keefe, Project Manager  
**PHONE:** 763.287.5980  
**FAX:** 763.287.5674

**PROJECT TITLE:** First Light Health System – Mora Additions & Renovations  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Masonry Testing & Inspections,  
Structural Steel Inspections, Pavement Testing & Inspections, Fireproofing/Firestopping Testing &  
Inspections, Air/Vapor Barrier Observations and Testing (Other), Phase I Environmental Investigation, Remediation Services  
**DURATION:** July 2016 – August 2019  
**PROJECT SUPERVISOR:** Brett Gruber, 9 years of experience.  
**CLIENT:** First Light Health System  
**MAILING ADDRESS:** 301 South Highway 65, Mora MN 55051  
**CONTACT:** Mike Stark, Kraus-Anderson Construction Company – Owner’s Representative  
**PHONE:** 612.335.2736  
**FAX:** 612.332.6173

**PROJECT TITLE:** 18130 Repair Pedestrian Entry Bridge at Faribault AFRC  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Structural Steel Inspections, Pavement Testing & Inspections  
**DURATION:** June 2018 - August 2018  
**PROJECT SUPERVISOR:** Brett Gruber, 9 years of experience  
**CLIENT:** Department of Military Affairs  
**MAILING ADDRESS:** 15000 Highway 115, Little Falls Minnesota 56345  
**CONTACT:** Randy Wolbeck, Project Manager  
**PHONE:** 320.616.6075  
**FAX:** 320.632.7473
PROJECT TITLE: 18112 Area 5 Building Site
SCOPE: Geotechnical Services
DURATION: May 2018 - July 2018
PROJECT SUPERVISOR: Brett Gruber, 9 years of experience.
CLIENT: Department of Military Affairs
MAILING ADDRESS: 15000 Highway 115, Little Falls, MN 56345
CONTACT: Nathan Thomas, Project Manager
PHONE: 320.616.6085
FAX: 320.632.7473

PROJECT TITLE: 17126 Camp Ripley Training Facility
SCOPE: Geotechnical Services
DURATION: May 2017 – July 2018
PROJECT SUPERVISOR: Steve Thayer, 28 years of experience.
CLIENT: Mead & Hunt, Inc.
MAILING ADDRESS: 7900 International Drive, Minneapolis, MN 55425
CONTACT: Laura Goscha, Project Manager
PHONE: 608.273.6380
FAX: N/A

PROJECT TITLE: Minnesota Air National Guard Load Crew Training & Weapons Release Shops
SCOPE: Geotechnical Services, Concrete Testing & Inspections, Structural Steel Inspections, Pavement Testing & Inspections
DURATION: October 2017 – August 2019
PROJECT SUPERVISOR: David Morrison, 9 years of experience
CLIENT: Max Gray Construction
MAILING ADDRESS: 2501 5th Avenue West, Hibbing, MN 55746
CONTACT: Michael Carlson, Project Manager
PHONE: 218.262.6622
FAX: 218.262.8901

PROJECT TITLE: Redwood Falls National Guard Armory Pavements
SCOPE: Geotechnical Services
DURATION: November 2018 – January 2019
PROJECT SUPERVISOR: Philip Bailey, 15 years of experience
CLIENT: Department of Military Affairs
MAILING ADDRESS: 15000 Highway 115, Little Falls, MN 56345
CONTACT: Ryan Ross, Project Manager
PHONE: 320.616.2610
FAX: 320.632.7473

PROJECT TITLE: Clay County Transfer Station
SCOPE: Geotechnical Services
DURATION: February 2017 – May 2017
PROJECT SUPERVISOR: Nathan Mckinney, 13 years of experience
CLIENT: Houston Engineering, Inc.
MAILING ADDRESS: 1401 21st Avenue North, Fargo ND 58102
CONTACT: Mike Love, Principal
PHONE: 701.237.5065
FAX: N/A
PROJECT TITLE: Moorhead Grade Separation  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Pavement Testing & Inspections, Phase I Environmental Investigation, Remediation Services  
**DURATION:** June 2018 - Current  
**PROJECT SUPERVISOR:** Ezra Ballinger, 13 years of experience  
**CLIENT:** SRF Consulting, Inc.  
**MAILING ADDRESS:** Case Plaza, 2nd Street North, Fargo, ND 58102  
**CONTACT:** Kevin LaRue, Associate / Project Manager  
**PHONE:** 701.237.0010  
**FAX:** 866.440.6364

PROJECT TITLE: Kenwood Village Multi-Use Apartment  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Structural Steel Inspections, Pavement Testing & Inspections, Fireproofing/Firestopping Testing and Inspections, Air/Vapor Barrier Observations and Testing (Other).  
**DURATION:** November 2015 – December 2016  
**PROJECT SUPERVISOR:** Joseph Butler, 18 years of experience  
**CLIENT:** United Properties Development, LLC.  
**MAILING ADDRESS:** 651 Nicollet Mall Suite 450, Minneapolis, MN 55402  
**CONTACT:** Rick McKelvey, Vice President of Construction  
**PHONE:** 952.835.5300  
**FAX:** 952.893.8813

PROJECT TITLE: Essentia Health Regional Wellness Center - Hermantown  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Structural Steel Inspections, Pavement Testing & Inspections, Fireproofing/Firestopping Testing and Inspections, Air/Vapor Barrier Observations and Testing (Other).  
**DURATION:** July 2018 – Current  
**PROJECT SUPERVISOR:** David Morrison, 9 years of experience  
**CLIENT:** City of Hermantown  
**MAILING ADDRESS:** 5105 Maple Grove Road, Hermantown, MN 55811  
**CONTACT:** Scott Nelson, McGough Construction Co. – Owner’s Representative  
**PHONE:** 218.216.1501  
**FAX:** N/A

PROJECT TITLE: City Center Development  
**SCOPE:** Geotechnical Services, Concrete Testing & Inspections, Masonry Testing & Inspections, Structural Steel Inspections, Fireproofing/Firestopping Testing and Inspections, Phase I Environmental Investigation, Phase II Environmental Investigation, Remediation Services.  
**DURATION:** 2013 – December 2015  
**PROJECT SUPERVISOR:** Philip Bailey, 15 years of experience  
**CLIENT:** Tailwind Group, Inc.  
**MAILING ADDRESS:** 530 S. Front Street, Suite 100, Mankato, MN 56001  
**CONTACT:** Kyle Smith, Project Manager  
**PHONE:** 507.388.4722  
**FAX:** 507.322.7200
Exhibit D1
PROFESSIONAL/TECHNICAL CONTRACTS
GENERAL 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

### Important:
- If the certificate holder is an Additional Insured, the policy(ies) must have ADDITIONAL INSURED provisions or 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).

### Coversages

<table>
<thead>
<tr>
<th>COVERSAGES</th>
<th>CERTIFICATE NUMBER: 670801675</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>INSURED</th>
<th>BRAINT-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Braun Intertec Corporation; Braun Intertec Geothermal, LLC; Braun Intertec Drilling, LLC; Braun Intertec Great Lakes, Inc.; Braun Intertec Southeast, LLC.</td>
<td>11001 Hampshire Avenue S Minneapolis MN 55438</td>
</tr>
</tbody>
</table>

### Insurers

- **Insurer A**: The Phoenix Insurance Company
- **Insurer B**: Travelers Property Casualty Co of America
- **Insurer C**: Amerisure Partners Insurance C
- **Insurer D**: Continental Casualty Company

### Descriptions of Operations / Locations / Vehicles

<table>
<thead>
<tr>
<th>Insurer</th>
<th>Policy Number</th>
<th>Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Insurer A</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Insurer B</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Insurer C</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Insurer D</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Certificate Holder

The State of Minnesota Department of Administration—Real Estate & Construction Services
309 Administration Building
50 Sherburne Ave.
St. Paul MN 55155

### Cancellation

**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

[Signature]

© 1988-2015 ACORD CORPORATION. All rights reserved.
THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED – WRITTEN CONTRACTS (ARCHITECTS, ENGINEERS AND SURVEYORS)

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

1. The following is added to SECTION II – WHO IS AN INSURED:

Any person or organization that you agree in a "written contract requiring insurance" to include as an additional insured on this Coverage Part, but:

a. Only with respect to liability for "bodily injury", "property damage" or "personal injury"; and

b. If, and only to the extent that, the injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies. The person or organization does not qualify as an additional insured with respect to the independent acts or omissions of such person or organization.

The insurance provided to such additional insured is limited as follows:

c. In the event that the Limits of Insurance of this Coverage Part shown in the Declarations exceed the limits of liability required by the "written contract requiring insurance", the insurance provided to the additional insured shall be limited to the limits of liability required by that "written contract requiring insurance".

This endorsement shall not increase the limits of insurance described in Section III – Limits Of Insurance.

d. This insurance does not apply to the rendering of or failure to render any "professional services" or construction management errors or omissions.

e. This insurance does not apply to "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the "written contract requiring insurance" specifically requires you to provide such coverage for that additional insured, and then the insurance provided to the additional insured applies only to such "bodily injury" or "property damage" that occurs before the end of the period of time for which the "written contract requiring insurance" requires you to provide such coverage or the end of the policy period, whichever is earlier.

2. The following is added to Paragraph 4.a. of SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:

The insurance provided to the additional insured is excess over any valid and collectible "other insurance", whether primary, excess, contingent or on any other basis, that is available to the additional insured for a loss we cover. However, if you specifically agree in the "written contract requiring insurance" that this insurance provided to the additional insured under this Coverage Part must apply on a primary basis or a primary and non-contributory basis, this insurance is primary to "other insurance" available to the additional insured which covers that person or organization as a named insured for such loss, and we will not share with that "other insurance". But this insurance provided to the additional insured still is excess over any valid and collectible "other insurance", whether primary, excess, contingent or on any other basis, that is available to the additional insured when that person or organization is an additional insured under any "other insurance".

3. The following is added to SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS: Duties Of An Additional Insured

As a condition of coverage provided to the additional insured:

a. The additional insured must give us written notice as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, such notice should include:
i. How, when and where the "occurrence" or offense took place;

ii. The names and addresses of any injured persons and witnesses; and

iii. The nature and location of any injury or damage arising out of the "occurrence" or offense.

b. If a claim is made or "suit" is brought against the additional insured, the additional insured must:

i. Immediately record the specifics of the claim or "suit" and the date received; and

ii. Notify us as soon as practicable.

The additional insured must see to it that we receive written notice of the claim or "suit" as soon as practicable.

c. The additional insured must immediately send us copies of all legal papers received in connection with the claim or "suit", cooperate with us in the investigation or settlement of the claim or defense against the "suit", and otherwise comply with all policy conditions.

d. The additional insured must tender the defense and indemnity of any claim or "suit" to any provider of other insurance which would cover the additional insured for a loss we cover. However, this condition does not affect whether this insurance provided to the additional insured is primary to that other insurance available to the additional insured which covers that person or organization as a named insured.

4. The following is added to the DEFINITIONS Section:

"Written contract requiring insurance" means that part of any written contract or agreement under which you are required to include a person or organization as an additional insured on this Coverage Part, provided that the "bodily injury" and "property damage" occurs and the "personal injury" is caused by an offense committed:

a. After the signing and execution of the contract or agreement by you;

b. While that part of the contract or agreement is in effect; and

c. Before the end of the policy period.
THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED – PRIMARY AND NON-CONTRIBUTORY WITH OTHER INSURANCE

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

PROVISIONS

1. The following is added to Paragraph A.1.c., Who Is An Insured, of SECTION II – COVERED AUTOS LIABILITY COVERAGE:

This includes any person or organization who you are required under a written contract or agreement between you and that person or organization, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, to name as an additional insured for Covered Autos Liability Coverage, but only for damages to which this insurance applies and only to the extent of that person's or organization's liability for the conduct of another "insured".

2. The following is added to Paragraph B.5., Other Insurance of SECTION IV – BUSINESS AUTO CONDITIONS:

Regardless of the provisions of paragraph a. and paragraph d. of this part 5. Other Insurance, this insurance is primary to and non-contributory with applicable other insurance under which an additional insured person or organization is the first named insured when the written contract or agreement between you and that person or organization, that is signed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period, requires this insurance to be primary and non-contributory.
Exhibit E

STATE OF MINNESOTA – WORKFORCE CERTIFICATE INFORMATION
Required by state law for ALL bids or proposals that could exceed $100,000

Complete this form and return it with your bid or proposal. The State of Minnesota is under no obligation to delay proceeding with a contract until a company becomes compliant with the Workforce Certification requirements in Minn. Stat. §363A.36.

BOX A – COMPANIES that have employed more than 40 full-time employees WITHIN MINNESOTA on any single working day during the previous 12 months, check one option below:

☐ Attached is our current Workforce Certificate issued by the Minnesota Department of Human Rights (MDHR).

☐ Attached is confirmation that MDHR received our application for a Minnesota Workforce Certificate on ______________ (date).

BOX B – NON-MINNESOTA COMPANIES that have employed more than 40 full-time employees on a single working day during the previous 12 months in the state where it has its primary place of business, check one option below:

☐ Attached is our current Workforce Certificate issued by MDHR.

☐ We certify we are in compliance with federal affirmative action requirements.

BOX C – EXEMPT COMPANIES that have not employed more than 40 full-time employees on a single working day in any state during the previous 12 months, check option below if applicable:

☐ We attest we are exempt. If our company is awarded a contract, upon request, we will submit to MDHR within 5 business days after the contract is fully signed, the names of our employees during the previous 12 months, the date of separation, if applicable, and the state in which the persons were employed. Send to compliance.MDHR@state.mn.us.

By signing this statement, I certify that the information provided is accurate and that I am authorized to sign on behalf of the company.

Name of Company: Braun Intertec Corporation Date September 26, 2019
Authorized Signature: __________________________ Telephone number: 952-995-2250
Printed Name and Title: David B. Bomersine, Vice President Email: dbomersine@brauninterotec.com

For assistance with this form, contact:
Minnesota Department of Human Rights, Compliance Services

Email: compliance.mdhr@state.mn.us TTY: 651-296-1283
WORKFORCE
CERTIFICATE OF COMPLIANCE

The Commissioner of the Minnesota Department of Human Rights by the signature below attests that BRAUN INTERTEC CORPORATION is hereby certified as a contractor under the Minnesota Human Rights Act, §363A.

Certificate start date: 12/6/2018
Certificate expiration date: 12/5/2022

Minnesota Department of Human Rights

FOR THE DEPARTMENT BY:

[Signature]
Kevin M. Lindsey, Commissioner

AN EQUAL OPPORTUNITY EMPLOYER
Freeman Building • 625 Robert Street North • Saint Paul, MN 55155 • Tel 651.539.1100
MN Relay 711 or 1.800.627.3529 • Toll Free 1.800.657.3704 • Fax 651.296.9042 • mn.gov/mdhr
State of Minnesota – Equal Pay Certificate

If your response could be in excess of $500,000, please complete and submit this form with your submission. **It is your sole responsibility to provide the information requested and when necessary to obtain an Equal Pay Certificate (Equal Pay Certificate) from the Minnesota Department of Human Rights (MDHR) prior to contract execution. You must supply this document with your submission.** Please contact MDHR with questions at: 651-539-1095 (metro), 1-800-657-3704 (toll free), 711 or 1-800-627-3529 (MN Relay) or at compliance.MDHR@state.mn.us.

**Option A** – If you have employed more than 40 full-time employees on any single working day in one state during the previous 12 months, please check the applicable box below:

☑ Attached is our current MDHR Equal Pay Certificate.

☐ Attached is MDHR’s confirmation of our Equal Pay Certificate application.

**Option B** – If you have not employed more than 40 full-time employees on any single working day in one state during the previous 12 months, please check the box below.

☐ We are exempt. We agree that if we are selected we will submit to MDHR within five (5) business days of final contract execution, the names of our employees during the previous 12 months, date of separation if applicable, and the state in which the persons were employed. Documentation should be sent to compliance.MDHR@state.mn.us.

The State of Minnesota reserves the right to request additional information from you. **If you are unable to check any of the preceding boxes, please contact MDHR to avoid a determination that a contract with your organization cannot be executed.**

Your signature certifies that you are authorized to make the representations, the information provided is accurate, the State of Minnesota can rely upon the information provided, and the State of Minnesota may take action to suspend or revoke any agreement with you for any false information provided.

David B. Bomersine

Vice President

Authorized Signature Printed Name Title

Braun Intertec Corporation 1146183/41-1684205 10/07/2019

Organization MN/FED Tax ID# Date

Minnesota Department of Administration Project # or Lease Address
EQUAL PAY
CERTIFICATE OF COMPLIANCE

The Commissioner of the Minnesota Department of Human Rights by the signature below attests that BRAUN INTERTEC CORPORATION is hereby certified as a contractor under the Minnesota Human Rights Act, §363A.44.

Certificate start date: August 31, 2018
Certificate expiration date: August 30, 2022

Minnesota Department of Human Rights

FOR THE DEPARTMENT BY:

Kevin M. Lindsey, Commissioner
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 sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans and cooperative agreements) and that all sub-recipients 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

David B. Bomersine, Vice President
Name and Title of Official Signing for Organization

By: [Signature]
Signature of Official

September 26, 2019
Date

Rev. 01/16
Affidavit of Noncollusion
State of Minnesota
Request for Proposals

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 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: David B. Bomersine
Title: Vice President
Authorized signature: [Signature]
Date (mm/dd/yyyy): 09/26/2019

Notary Public

Subscribed and sworn to before me this: 26 day of September 2019

Anna Schmitz
Notary Public signature
01/31/2024
Commission expires (mm/dd/yyyy)