

December 11, 2009

Real Estate and Construction Services
Administration Building – Room 309
50 Sherburne Avenue
St. Paul, MN 55155

Attention: Contracts Officer

RE: RFP and Fee Schedule for Testing and Inspection Master Contract
PSI Proposal No. 0675-12692

Dear Contracts Officer:

We are pleased to submit the information requested for consideration for the Minnesota Department of Administrations – Real Estate and Construction Services (RECS) Testing and Inspection Master Contract. Professional Service Industries, Inc. (PSI) is America's fourth largest consulting engineering firm and a leader in the engineering consulting and testing field.

Legal Name: Professional Service Industries, Inc.
Mailing Address: 2401 Pilot Knob Road, Suite #138
Mendota Heights, MN 55120-1355
County: Dakota
Legal Status: Corporation
Federal ID#: 37-0962090
Minnesota State ID#: 1310780
Minnesota Vendor #: 14534200100
Website Address: www.psiusa.com

The point of contact for this Master Contract will be:

Contact Brandon Saeger, Branch Manager
Phone # 651-646-8148
Fax# 651-646-8258
Email Address: brandon.saeger@psiusa.com

PSI has qualified and experienced personnel to provide consulting, testing and inspection services in the following categories:

- GEOTECHNICAL SERVICES
- CONCRETE TESTING AND INSPECTION SERVICES
- MASONRY TESTING AND INSPECTION SERVICES
- STRUCTURAL STEEL TESTING AND INSPECTION
- PAVEMENT TESTING AND INSPECTION
- PHASE I ENVIRONMENTAL INVESTIGATION
- PHASE II ENVIRONMENTAL INVESTIGATION
- REMEDIATION SERVICES

RFP and Fee Schedule for Testing and Inspection Master Contract
PSI Proposal No. 0675-12692
December 11, 2009

Exhibit C

The following sections provide the requested documentation and information regarding PSI's qualifications. We look forward to the opportunity to work with the Minnesota Department of Administration RECS on future projects.

Sincerely,
PROFESSIONAL SERVICE INDUSTRIES, INC.



Brandon Saeger, E.I.T.
Branch Manager



David M. Barndt, P.E.
Vice President

CONSTRUCTION TESTING AND INSPECTION SERVICES RFP- EXHIBIT A

Name of Firm: Professional Service Industries, Inc.

Proposal Dated: 12/11/2009

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

Geotechnical Services

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

Concrete Testing and Inspection Services

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

Masonry Testing and Inspection Services

- Mortar, Masonry Fill Mix Design
- Laboratory Tests on Masonry Prisms
- Laboratory Test of Mortar and Core-fill for Compressive Strength and Bond Strength
- Special Inspection of Structural Masonry Construction (Continuous ____ / Periodic ____)
- Other: Windsor Pin Testing of Mortar

Structural Steel Testing and Inspection

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

Pavement Testing and Inspection

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

Fireproofing / Firestopping Testing and Inspection

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

Phase I Archaeological Resources Investigation

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

Phase II Archaeological Resources Investigation

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

Phase I Environmental Investigation

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

Exhibit C

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:

PROJECT REFERENCE Geotechnical Services

Exhibit C

Holiday Stationstore New Hope, Minnesota

Client: Holiday Stationstores, Inc.
Client Address: 216 West Myrtle Street
Bloomington, MN 55082
Client Contact: Joel Geil, Project Manager/Construction Supervisor
Client Telephone: 952-830-8884
Client Fax: 952-830-1678

Project Value: \$1,5000,000.00

Date Completed: March, 2008 – July, 2009

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, EIT, Project Manager
Jeffrey Wittrock, Senior Engineering Technician
Charles Kraft, Engineering Technician

Services Provided: Geotechnical Services

The project includes a new Holiday Stationstore with a detached Car Wash and Fuel Island. The proposed building consists of a single story slab on grade wood-framed structure.

PSI provided both design services prior to construction and field observation and testing services during construction. The following are the design services PSI provided:

- Drilled five borings to a depth of 20 feet.
- Provided a full geotechnical report which included the following: soil boring logs containing descriptions of the soil and groundwater conditions at the test boring locations; summary of laboratory results; site preparation information including placement and compaction of structural fill, control of groundwater and improvement of unstable soil; foundation design recommendations including foundation type, allowable bearing pressures, minimum foundation depths, estimated depths of suitable bearing soil and estimated settlements; recommendations for design and construction of slabs on grade; pavement recommendations including asphalt and base course thickness for the proposed parking lot and service drives, recommended California bearing ratio; recommendations regarding installation of underground storage tanks; IBC 2003 seismic site classification and values of site coefficients F_a and F_v .

The following are the construction and field observation and testing services provided:

- Prior to foundation construction, the specified bearing capacity of the soils at the base of continuous wall and column foundations was inspected and documented
- Performed inspection and documentation of the removal of unsuitable fills
- Performed moisture density tests on approved fills to establish maximum densities and optimum moisture contents
- During filling operations, PSI monitored the placement and compaction of all fills with in-place density tests
- Inspected subgrade soils with respect to the suitability for fill placement and support of slabs on grade and pavements

PROJECT REFERENCE Geotechnical Services

Exhibit C

Gas Station Woodbury, Minnesota

Client: Shingobee Builders
Client Address: 669 North Medina Street
Loretto, MN 55357-0008
Client Contact: Stacy Gleason
Client Telephone: 763-479-5647
Client Fax: 763-479-3267

Project Value: \$3,500,000.00
Date Completed: December, 2008 – July, 2009

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, E.I.T., Project Manager
Jeffrey Wittrock, Senior Engineering Technician
Charles Kraft, Engineering Technician

Services Provided: Geotechnical Services

The project includes a rebuild of a BP Gas Station with an attached Car Wash and Fuel Island. The proposed building consists of a single story slab on grade wood-framed structure.

PSI provided both design services prior to construction and field observation and testing services during construction. The following are the design services PSI provided:

- Drilled five borings to a depth of 15 feet and Double Ring Infiltrometer Testing.
- Provided a full geotechnical report which included the following: soil boring logs containing descriptions of the soil and groundwater conditions at the test boring locations; summary of laboratory results; site preparation information including placement and compaction of structural fill, control of groundwater and improvement of unstable soil; foundation design recommendations including foundation type, allowable bearing pressures, minimum foundation depths, estimated depths of suitable bearing soil and estimated settlements; recommendations for design and construction of slabs on grade; pavement recommendations including asphalt and base course thickness for the proposed parking lot and service drives, recommended California bearing ratio; IBC 2003 seismic site classification and values of site coefficients F_a and F_v .

The following are the construction and field observation and testing services provided:

- Prior to foundation construction, the specified bearing capacity of the soils at the base of continuous wall and column foundations was inspected and documented
- Performed inspection and documentation of the removal of unsuitable fills
- Performed moisture density tests on approved fills to establish maximum densities and optimum moisture contents
- During filling operations, PSI monitored the placement and compaction of all fills with in-place density tests
- Inspected subgrade soils with respect to the suitability for fill placement and support of slabs on grade and pavements

PROJECT REFERENCE Geotechnical Services

Exhibit C

Walgreens Rochester, Minnesota

Client: BTS Construction
Client Address: 50 S. Sixth Street, Suite 1480
Minneapolis, Minnesota 55402

Client Contact: Mike Fraser
Client Telephone: 612-313-2500
Client Fax: 612-313-0136

Project Value: \$5,000,000.00

Date Completed: June, 2008 – October, 2009

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, E.I.T., Project Manager
Jeffrey Wittrock, Senior Engineering Technician
Charles Kraft, Engineering Technician

Services Provided: Geotechnical Services

The building consists of a one story structure approximately 14,000 total ft². The building will be supported by a conventional shallow continuous wall and column foundation system. Building construction consists of a concrete foundation walls and masonry frame supporting a steel bar joist and metal deck roof system.

PSI provided both design services prior to construction and field observation and testing services during construction. The following are the design services PSI provided:

- Drilled five borings.
- Provided a full geotechnical report which included the following: soil boring logs containing descriptions of the soil and groundwater conditions at the test boring locations; summary of laboratory results; site preparation information including placement and compaction of structural fill, control of groundwater and improvement of unstable soil; foundation design recommendations including foundation type, allowable bearing pressures, minimum foundation depths, estimated depths of suitable bearing soil and estimated settlements; recommendations for design and construction of slabs on grade; pavement recommendations including asphalt and base course thickness for the proposed parking lot and service drives, recommended California bearing ratio; IBC 2003 seismic site classification and values of site coefficients F_a and F_v .

The following are the construction and field observation and testing services provided:

- Prior to foundation construction, the specified bearing capacity of the soils at the base of continuous wall and column foundations was inspected and documented
- Performed inspection and documentation of the removal of unsuitable fills
- Performed moisture density tests on approved fills to establish maximum densities and optimum moisture contents
- During filling operations, PSI monitored the placement and compaction of all fills with in-place density tests

PROJECT REFERENCE

Concrete Testing and Inspection Services

Exhibit C

St. Croix Preparatory Academy Baytown Township, Minnesota

Client: Friends of St. Croix Preparatory
Client Address: 216 West Myrtle Street
Stillwater, MN 55082
Client Contact: Dave Herzberg, Project Manager
Client Telephone: 952-525-2317
Client Fax: 952-544-1561

Project Value: \$15,000,000.00

Date Completed: August, 2008 – July, 2009

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, EIT, Project Manager
Jeffrey Wittrock, Senior Engineering Technician
Charles Kraft, Engineering Technician

Services Provided: Construction Materials Testing and Inspection

The project includes a new approximately 92,000 ft² K-12 Charter School. The proposed building consists of a two story slab on grade structure. Building construction consists of a structural steel frame with a precast concrete plank with cast in place concrete topping floor system. The exterior will include brick, precast and metal exterior panels.

PSI provided the full range concrete testing and inspection services on this project. Services provided included observation and documentation of reinforcing steel and inspection and testing of cast-in-place concrete including slump, temperature and air-entrainment tests. PSI also cast and laboratory cured test concrete cylinders for compressive strength. The concrete testing was performed in accordance with the applicable ASTM Standards, ACI and the Minnesota State Building Code.

PROJECT REFERENCE

Concrete Testing and Inspection Services

Exhibit C

Waterford Commons
Rosemount, Minnesota

Client: Stonebridge Construction
Client Address: 15734 Foliage Avenue
Apple Valley, MN 55124
Client Contact: Brad Friesz
Client Telephone: 952-431-5700
Client Fax: 952-431-5701

Project Value: \$13,500,000.00

Date Completed: July, 2008 – March, 2009

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, E.I.T., Project Manager
Jeffrey Wittrock, Senior Engineering Technician
Charles Kraft, Engineering Technician

Services Provided: Construction Materials Testing

The project consisted of a 109-unit three-story apartment building with underground parking totaling approximately 107,000± square feet. Building construction consisted of a cast in place concrete foundation with load bearing masonry walls. The first level will include a precast concrete plank with concrete topping floor system. The upper floors consist of wood framing.

PSI provided the full range concrete testing and inspection services on this project. Services provided included observation and documentation of reinforcing steel and inspection and testing of cast-in-place concrete including slump, temperature and air-entrainment tests. PSI also cast and laboratory cured test concrete cylinders for compressive strength. The concrete testing was performed in accordance with the applicable ASTM Standards, ACI and the Minnesota State Building Code.

PROJECT REFERENCE

Concrete Testing and Inspection Services

Exhibit C

Richfield Maintenance Facility Richfield, Minnesota

Client: SEH
Client Address: 100 N. 6th Street, Suite 710C
Minneapolis, MN 55403-1515
Client Contact: Stan Owens
Client Telephone: 612-758-6700
Client Fax: 612-758-6701

Project Value: \$6,500,000.00

Date Completed: June, 2007 – May, 2008

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, E.I.T., Project Manager
Jeffrey Wittrock, Senior Engineering Technician
Charles Kraft, Engineering Technician

Services Provided: Construction Materials Testing

The building consists of a two story structure with a partial mezzanine level approximately 86,500 total ft². The building will be supported by a conventional shallow continuous wall and column foundation system. Building construction consists of a structural steel and precast concrete frame with precast wall panels supporting a steel bar joist and metal deck roof system.

PSI provided the full range concrete testing and inspection services on this project. Services provided included observation and documentation of reinforcing steel and inspection and testing of cast-in-place concrete including slump, temperature and air-entrainment tests. PSI also cast and laboratory cured test concrete cylinders for compressive strength. The concrete testing was performed in accordance with the applicable ASTM Standards, ACI and the Minnesota State Building Code.

PROJECT REFERENCE

Masonry Testing and Inspection Services

Exhibit C

St. Croix Preparatory Academy Baytown Township, Minnesota

Client: Friends of St. Croix Preparatory
Client Address: 216 West Myrtle Street
Stillwater, MN 55082
Client Contact: Dave Herzberg, Project Manager
Client Telephone: 952-525-2317
Client Fax: 952-544-1591

Project Value: \$15,000,000.00

Date Completed: August, 2008 – July, 2009

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, EIT, Project Manager
Jeffrey Wittrock, Senior Engineering Technician
Charles Kraft, Engineering Technician

Services Provided: Masonry testing and inspection

The project includes a new approximately 92,000 ft² K-12 Charter School. The proposed building consists of a two story slab on grade structure. Building construction consists of a structural steel frame with a recast concrete plank with cast in place concrete topping floor system. The exterior will include brick, recast and metal exterior panels.

PSI provided masonry testing and inspection services on this project which included the following:

- Prior to grouting, the reinforcement was inspected for proper size, grade and location. Grout space was also verified to be "clean" and free of any debris.
- During grouting operations, PSI tested the slump and cast specimens for compressive strength testing in accordance with ASTM C1019.
- During preparation of CMU prisms, PSI observed proper construction and field curing techniques. The prisms were transported back to our local laboratory for testing of compressive strength.
- Periodically, PSI cast mortar specimens for compressive testing in accordance with ASTM C109.
- All testing and inspections were performed in accordance with applicable ASTM Standards and the Minnesota State Building Code.

PROJECT REFERENCE

Masonry Testing and Inspection Services

Exhibit C

Waterford Commons
Rosemount, Minnesota

Client: Stonebridge Construction
Client Address: 15734 Foliage Avenue
Apple Valley, MN 55124
Client Contact: Brad Friesz, VP Construction
Client Telephone: 952-431-5700
Client Fax: 952-431-5701

Project Value: \$13,500,000.00

Date Completed: July, 2008 – March, 2009

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, E.I.T., Project Manager
Jeffrey Wittrock, Senior Engineering Technician
Charles Kraft, Engineering Technician

Services Provided: Masonry testing and inspection

The project consisted of a 109-unit three-story apartment building with underground parking totaling approximately 107,000± square feet. Building construction consisted of a cast in place concrete foundation with load bearing masonry walls. The first level will include a precast concrete plank with concrete topping floor system. The upper floors consist of wood framing.

PSI provided masonry testing and inspection services on this project which included the following:

- Prior to grouting, the reinforcement was inspected for proper size, grade and location. Grout space was also verified to be "clean" and free of any debris.
- During grouting operations, PSI tested the slump and cast specimens for compressive strength testing in accordance with ASTM C1019. PSI also observed grout "cleanouts" where grout lifts exceeded four feet in height to ensure the grout was properly consolidated and present throughout the CMU core.
- During preparation of CMU prisms, PSI observed proper construction and field curing techniques. The prisms were transported back to our local laboratory for testing of compressive strength.
- Periodically, PSI cast mortar specimens for compressive testing in accordance with ASTM C109.
- All testing and inspections were performed in accordance with applicable ASTM Standards and the Minnesota State Building Code.

PROJECT REFERENCE

Masonry Testing and Inspection Services

Exhibit C

**Walgreens St. Louis Park
St. Louis Park, Minnesota**

Client: BTS Construction
Client Address: 50 South Sixth Street, Suite 1480
Minneapolis, MN 55402
Client Contact: Mike Fraser, Project Manager
Client Telephone: 612-313-2500
Client Fax: 612-313-0136

Project Value: \$5,000,000.00

Date Completed: August, 2008 – April, 2009

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, E.I.T., Project Manager
Jeffrey Wittrock, Senior Engineering Technician
Charles Kraft, Engineering Technician

Services Provided: Masonry testing and inspection

The building consists of a one story structure with a partial mezzanine level approximately 15,000 total ft². The building will be supported by a conventional shallow continuous wall and column foundation system. Building construction consists of a concrete foundation walls and masonry frame supporting a steel bar joist and metal deck roof system.

PSI provided masonry testing and inspection services on this project which included the following:

- Prior to grouting, the reinforcement was inspected for proper size, grade and location. Grout space was also verified to be "clean" and free of any debris.
- During grouting operations, PSI tested the slump and cast specimens for compressive strength testing in accordance with ASTM C1019. PSI also observed grout "cleanouts" where grout lifts exceeded four feet in height to ensure the grout was properly consolidated and present throughout the CMU core.
- During preparation of CMU prisms, PSI observed proper construction and field curing techniques. The prisms were transported back to our local laboratory for testing of compressive strength.
- Periodically, PSI cast mortar specimens for compressive testing in accordance with ASTM C109.
- Inspection and observation of protection of cold-weather during masonry construction below 40°F.
- All testing and inspections were performed in accordance with applicable ASTM Standards and the Minnesota State Building Code.

PROJECT REFERENCE

Structural Steel Testing and Inspection

Walgreens Burnsville Burnsville, Minnesota

Client: BTS Construction
Client Address: 50 South Sixth Street, Suite 1480
Minneapolis, MN 55402
Client Contact: Mike Fraser, Project Manager
Client Telephone: 612-313-2500
Client Fax: 612-313-0136

Project Value: \$5,000,000.00

Project Completion: May, 2009 – November, 2009

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, E.I.T., Project Manager
Jeffrey Wittrock, Senior Engineering Technician
Charles Kraft, Engineering Technician

Services Provided: Structural Steel Testing and Inspection

The building consists of a one story structure with no below grade levels approximately 13,500 total ft². The building will be supported by a conventional shallow continuous wall and column foundation system. Building construction consists of a concrete foundation walls and masonry frame supporting a steel bar joist and metal deck roof system.

PSI provided structural steel testing and inspection services on this project which included the following:

- Performed visual weld inspection of welded connections for the structural steel frame. PSI performed visual weld inspection to document weld size, length, location and general workmanship requirements specified in AWS D 1.1
- Performed visual bolt inspection of bolted connections to document proper bolt size, length and correct washers and to document the snug tight condition.
- Performed visual inspection of puddle welds during metal deck installation.

PROJECT REFERENCE

Structural Steel Testing and Inspection

Exhibit C

Richfield Maintenance Facility
Richfield, Minnesota

Client: SEH
Client Address: 100 N. 6th Street, Suite 710C
Minneapolis, MN 55403-1515
Client Contact: Stan Owens
Client Telephone: 612-758-6700
Client Fax: 612-758-6701

Project Value: \$6,500,000.00

Project Completion: June, 2007 – May, 2008

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, E.I.T., Project Manager
Jeffrey Wittrock, Senior Engineering Technician
Charles Kraft, Engineering Technician

Services Provided: Structural Steel Testing and Inspection

The building consists of a two story structure with a partial mezzanine level approximately 86,500 total ft². The building will be supported by a conventional shallow continuous wall and column foundation system. Building construction consists of a structural steel and precast concrete frame with precast wall panels supporting a steel bar joist and metal deck roof system.

PSI provided structural steel testing and inspection services on this project which included the following:

- Performed visual weld inspection of welded connections for the structural steel frame and during precast concrete erection. PSI performed visual weld inspection to document weld size, length, location and general workmanship requirements specified in AWS D 1.1
- Performed visual bolt inspection of bolted connections to document proper bolt size, length and correct washers and to document the snug tight condition.

PROJECT REFERENCE

Structural Steel Testing and Inspection

St. Croix Preparatory Academy Baytown Township, Minnesota

Client: Friends of St. Croix Preparatory
Client Address: 216 West Myrtle Street
Stillwater, MN 55082
Client Contact: Dave Herzberg, Project Manager
Client Telephone: 952-525-2317
Client Fax:

Project Value: \$15,000,000.00

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, EIT, Project Manager
Jeffrey Wittrock, Senior Engineering Technician
Charles Kraft, Engineering Technician

Services Provided: Structural Steel Testing and Inspection

The project includes a new approximately 92,000 ft² K-12 Charter School. The proposed building consists of a two story slab on grade structure. Building construction consists of a structural steel frame with a precast concrete plank with cast in place concrete topping floor system. The exterior will include brick, precast and metal exterior panels.

PSI provided structural steel testing and inspection services on this project which included the following:

- Performed visual weld inspection of welded connections for the structural steel frame and during precast concrete erection. PSI performed visual weld inspection to document weld size, length, location and general workmanship requirements specified in AWS D 1.1
- Performed visual bolt inspection of bolted connections to document proper bolt size, length and correct washers and to document the snug tight condition.

PROJECT REFERENCE

Pavement Testing and Inspection

Public Storage #08315 Plymouth, Minnesota

Client: Public Storage Inc.
Client Address: 111 Bridge Street
Wheaton, Illinois 60187
Client Contact: Alex Fouquette, Project Manager
Client Telephone: 630-681-8133
Client Fax: 630-681-8132

Project Value: \$1,000,000.00

Date Completed: August, 2008 – July, 2009

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, EIT, Project Manager
Jeffrey Wittrock, Senior Engineering Technician
Charles Kraft, Engineering Technician

Services Provided: Pavement testing and inspection

The project includes a replacing 57,000 square feet of pavement. The existing pavement is cracking and deteriorating and 57,000 square feet of asphalt need to be replaced as well as select areas of the subgrade.

PSI provided pavement testing and inspection services on this project which included the following:

- Prior to paving operations, the existing base course materials were thoroughly proofrolled. Areas showing signs of distress under the moving load (fully loaded tandem axle dump truck) were removed and replaced with engineered fill.
- During placement of the binder and surface courses, PSI provided in-place density testing of the asphalt with a moisture density gauge.

PROJECT REFERENCE

Pavement Testing and Inspection

Sonic Restaurant Cambridge, Minnesota

Client: Capital Real Estate
Client Address: 50 South Sixth Street, Suite 1480
Minneapolis, MN 55402
Client Contact: Jim Vitt, Project Manager
Client Telephone: 612-313-0124
Client Fax: 612-313-0136

Project Value: \$500,000.00

Date Completed: May, 2009 – September, 2009

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, E.I.T., Project Manager
Charles Kraft, Senior Engineering Technician

Services Provided: Pavement testing and inspection

The project consisted of a new Sonic Restaurant. Building construction consisted of a cast in place concrete foundation with load bearing masonry walls supporting wood framing. Additional site work included construction on bituminous parking lot and drives as well as the drive-thru canopies.

After the bituminous pavement was placed, the parking lot and drives were experiencing distress. PSI provided pavement testing and inspection services which included the following:

- Drilled 3 asphalt cores to measure the pavement thicknesses.
- Returned samples to the laboratory for testing which included density, % binder and grain size distribution.
- Written report providing findings and recommendations for repair.

PROJECT REFERENCE

Pavement Testing and Inspection

Church Addition Waconia, Minnesota

Client: Jesus Christ Church of Latter-Day Saints
Client Address: 3263 Fraser Street, Suite 1
Aurora, CO 80011
Client Contact: Dennis Allsop, Project Manager
Client Telephone: 303-798-3970
Client Fax: 303-797-1610

Project Value: \$500,000.00

Date Completed: April, 2009 – August, 2009

PSI Project Personnel: David Barndt, PE, Principal Engineer
Brandon Saeger, E.I.T., Project Manager
Charles Kraft, Senior Engineering Technician

Services Provided: Pavement testing and inspection

The building addition will consist of a single-story structure with no levels below grade. The building addition will be approximately 3,850 square feet in plan. Additional site work will include the selective remodeling of the existing structure and construction of bituminous pavement on the NE side of the site.

PSI provided pavement testing and inspection services on this project which included the following:

- Prior to paving operations, the existing base course materials were thoroughly proofrolled. Areas showing signs of distress under the moving load (fully loaded tandem axle dump truck) were removed and replaced with engineered fill.
- Observed and documented the removal of unsuitable soils including organics within the top three feet of the pavement subgrade.
- Provided recommendations for improvements of pavement subgrade.
- During placement of the binder and surface courses, PSI provided in-place density testing of the asphalt with a moisture density gauge.

PROJECT REFERENCE Phase I Environmental Investigation

Exhibit C

Residential Property and Out Buildings

Client: City of Inver Grove Heights
Client Address: 8150 Barbara Avenue
Inver Grove Heights, MN 55077
Client Contact: Mr. Steve Dodge, P.E.
Client Telephone: 651-450-2500
Client Fax: 651-450-2502

Project Value: \$525,000.00

Date Completed: May, 2008 – July 2008

PSI Project Personnel: Michael Tjaden, Project Manager/Principal Consultant
Jim Roden, Environmental Professional
Larry Raether, Environmental Principal Consultant

Services Provided: Phase I Environmental Site Assessment
Phase II Environmental Site Assessment

PSI conducted a Phase I Environmental Site Assessment (ESA) of a residential property in Inver Grove Heights, Minnesota. The assessment was conducted to assist with the environmental due diligence required for the purchase of the property under eminent domain. The owner conducted a side business from the shed on the property conducted automotive repair and maintenance and had reportedly built up an access drive to the shed with undocumented fill material. The Phase I ESA identified recognized environmental conditions (RECs) in connection with property and a Phase II ESA was recommended.

PSI utilized multiple drilling methods to accomplish the sampling required to investigate the RECs associated with the subject property. Hand auguring was utilized to investigate an area within a structure and a tracked all-terrain auger rig was utilized to in areas that would not have been accessible to standard equipment. PSI reviewed the analytical results from the samples collected and analyzed and was able to provide the information necessary for the city public works department to reach a decision regarding the acquisition of the property.

PROJECT REFERENCE

Phase I Environmental Investigation

Exhibit C

Near North Recapitalization

Client: Project For Pride In Living, Inc.
Client Address: 1035 East Franklin Avenue
Minneapolis, MN 55404
Client Contact: Mr. Chris Dettling, Project Manager
Client Telephone: 612-455-5100
Client Fax: 612-455-5101

Project Value: \$3,500,000.00

Date Completed: April, 2009 - Ongoing

PSI Project Personnel: Michael Tjaden, Project Manager/Principal Consultant
Eric Brazeau, Environmental Professional
Larry Raether, Environmental Principal Consultant

Services Provided: Asbestos Survey/Lead-based Paint Risk Assessment
Phase I Environmental Site Assessment
Phase II Environmental Site Assessment

PSI conducted a Phase I Environmental Site Assessment (ESA), along with asbestos surveys and lead-based paint risk assessments for the renovation of 10 apartment building sites in Minneapolis, Minnesota. The assessments conducted were undertaken to meet the lending requirements of the US Department of Housing and Urban Development (HUD) and the Minnesota Housing Finance Agency (MHFA). The apartment buildings, located within a one-half mile radius of each other, were grouped together for the ESA to minimize repetition within the reports and save the client money. Conducting the asbestos survey in conjunction with the lead-based paint risk assessments also minimized the cost to the client.

The Phase I ESA identified recognized environmental conditions (RECs) in connection with two of the ten properties. A phased approach was developed for the investigation of the RECs in an attempt to identify additional documentation that might eliminate the concerns associated with one of the sites. Additional research was conducted to identify any documentation associated with the development of an adjoining property that might provide information regarding environmental impacts encountered during the construction. The proposed soil and groundwater sampling will be undertaken unless additional documentation can be obtained.

PROJECT REFERENCE

Phase I Environmental Investigation

Exhibit C

Northland Mall

Client: WCL Associates, Inc.
Client Address: 4931 West 35th Street, Ste 200
St. Louis Park, MN 55416
Client Contact: Mr. Paul Anderson, AIA
Client Telephone: 952-512-9559
Client Fax: 952-541-9554

Project Value: \$2,500,000.00

Date Completed: May, 2008 – July 2008

PSI Project Personnel: Michael Tjaden, Project Manager/Principal Consultant
Jim Roden, Environmental Professional
Larry Raether, Environmental Principal Consultant

Services Provided: Pre-renovation Asbestos and Hazardous Materials Survey
Phase I Environmental Site Assessment
Phase II Environmental Site Assessment

PSI has conducted a Phase I Environmental Site Assessment (ESA), along with a pre-renovation asbestos and hazardous materials survey for purchase and renovation of a retail mall in Forest Lake, Minnesota. The Phase I ESA and pre-renovation survey provided information that allowed the purchaser to evaluate the impact of environmental concerns associated with the property relative to the purchase price of the property and their redevelopment plans for the site.

The Phase I ESA identified a recognized environmental conditions (RECs) associated with historical uses of one of the adjoining properties. PSI proposed a phased approach to the investigation of the RECs that allowed for rapid response on critical issues and a more standard approach to other items, which facilitated the real estate transaction within the clients and lenders time frames.

PROJECT REFERENCE

Phase II Environmental Investigation

Exhibit C

McDonalds Rebuild Site

Client: McDonald's USA, LLC
Client Address: 1650 West 82nd Street, #900
Bloomington, MN 55431
Client Contact: Ms. Kathleen McGough
Client Telephone: 952-885-4761
Client Fax: 952-885-4769

Project Value: \$5,000,000.00

Date Completed: July, 2009 – September 2009

PSI Project Personnel: Michael Tjaden, Project Manager/Principal Consultant
Eric Brazeau, Field Work and Technical Analysis
Larry Raether, Environmental Principal Consultant

Services Provided: Phase I ESA
Phase II ESA

PSI was retained to provide a Phase I Environmental Site Assessment (ESA) for the demolition and rebuilding of a McDonalds restaurant site in Austin, Minnesota. The site was an existing restaurant site that the client was interested in expanding. The Phase I ESA was conducted to assess the existing property as well an adjoining property the client was planning on acquiring.

The Phase I ESA identified a recognized environmental concern (REC) associated with historical uses of properties in the vicinity of the subject property. In association with the geotechnical investigation of the site, PSI conducted a Phase II ESA to assess soil and groundwater on the property for environmental impacts. The coordination of the Phase II ESA and the geotechnical investigation saved the client time and money by reducing the cost of drilling and sampling associated with both phases of the project.

PROJECT REFERENCE Phase II Environmental Investigation

Exhibit C

Rice Street Commercial Building

Client: Open Cities Health Centers, Inc.
Client Address: 409 N. Dunlap Street
St. Paul, MN 55104
Client Contact: Mr. Bill Jones, Project Manager
Client Telephone: 651-290-9200
Client Fax: 651-290-9210

Project Value: \$1,325,000.00

Date Completed: May, 2009 – Ongoing

PSI Project Personnel: Michael Tjaden, Project Manager/Principal Consultant
Eric Brazeau, Environmental Professional
Larry Raether, Environmental Principal Consultant

Services Provided: Asbestos and Hazardous Materials Assessment
Phase I Environmental Site Assessment
Phase II Environmental Site Assessment

PSI conducted a Phase I Environmental Site Assessment (ESA) of a commercial building in St. Paul, Minnesota. The assessment was conducted to assist with the environmental due diligence required for the purchase of the property. The Phase I ESA identified recognized environmental conditions (RECs) in connection with two adjoining properties where former dry cleaners had operated. A Phase II ESA was conducted to evaluate whether environmental contaminants were present on the subject property. PSI worked with the laboratory to expedite the analyses of the soil and groundwater samples collected to meet the closing date for the purchase of the property.

PSI has been contracted to perform an asbestos and hazardous materials survey of the building in preparation for the renovation of the building into a medical clinic. PSI will also provide project management and abatement monitoring services for the removal of identified ACM and other hazardous materials that will be impacted by the proposed renovation.

PROJECT REFERENCE Phase II Environmental Investigation

Exhibit C

Lea Center Building

Client: MetroPlains Development Corp.
Client Address: 1600 University Avenue
St. Paul, MN 55104
Client Contact: Mr. John Errigo, Project Manager
Client Telephone: 651-646-7848
Client Fax: 651-646-8947

Project Value: \$12,500,000.00

Date Completed: January, 2005 – July 2005

PSI Project Personnel: Michael Tjaden, Project Manager
Jim Roden, Field Work and Technical Analysis
Larry Raether, Environmental Principal Consultant

Services Provided: Phase I ESA
Asbestos and Lead-Based Paint Survey
Phase II ESA

PSI was retained to provide a Phase I Environmental Site Assessment (ESA) for the redevelopment of a historic office building into a residential apartment building. Asbestos, and lead-based paint surveys were conducted at the site in preparation for the renovation of the structure. PSI also provided on-site abatement monitoring and site supervision to insure complete and timely execution of the project.

The Phase I ESA identified a former dry cleaner on an adjoining property. PSI conducted a Phase II ESA to investigate whether the use of dry cleaning chemicals at this adjoining property had impacted the subject property.

PROJECT REFERENCE Remediation Services

Exhibit C

Gas Station Woodbury, MN

Client: Shingobee Builders
Client Address: 669 North Medina Street
Loretto, MN 55357-0008
Client Contact: Ms. Stacy Gleason
Client Telephone: 763-479-1300
Client Fax: 763-479-3267

Project Value: \$3,500,000.00

Date Completed: December, 2008 – Ongoing

PSI Project Personnel: Michael Tjaden, Project Manager
Eric Brazeau, Field Work and Technical Analysis
Larry Raether, Principal Consultant

Services Provided: Phase I ESA
Pre-Demo Asbestos and Hazardous Materials Survey
MPCA Petroleum Brownfields Program Coordination
Development Response Action Plan

PSI was retained by Shingobee Builders to provide site development support services for the redevelopment of a gasoline station site in Woodbury, Minnesota. PSI provided Phase I ESA, Asbestos and Hazardous Materials Survey and Geotechnical Investigation services during the planning stages of the project. PSI's Phase I ESA identified historical environmental conditions, which could impact the proposed expansion. The geotechnical investigation identified the possible presence of environmental contaminants on the property. PSI assisted Shingobee in applying to the Minnesota Pollution Control Agency (MPCA) Petroleum Brownfields Remediation Program.

A Development Response Action Plan (DRAP) was developed to address the handling and disposal of contaminated soils. PSI provided excavation observation to document the contaminant levels and monitor the handling and disposal. A final DRAP implementation report was compiled and submitted to the MPCA. PSI is assisting the owner with the Minnesota Petrofund reimbursement process for the project.

PROJECT REFERENCE Remediation Services

Exhibit C

Retail Redevelopment Site

Client: Consolidated Development Services (CDS)
Client Address: 14110 Dallas Parkway, Suite 250
Dallas, Texas 75254
Client Contact: Mr. Mark Davis, Environmental Coordinator
Client Telephone: 972-850-0816
Client Fax: 972-239-5054

Project Value: \$2,500,000.00

Date Completed: December, 2005 – July, 2006

PSI Project Personnel: Michael Tjaden, Project Manager
Jim Roden, Field Work and Technical Analysis
Larry Raether, Environmental Principal Consultant

Services Provided: Phase I ESA
Phase II ESA / Geotechnical Investigation
MPCA Petroleum Brownfields Program Coordination
Development Response Action Plan

PSI was retained by CDS to provide site development support services for the redevelopment of a retail site in Roseville, Minnesota. PSI provided Phase I ESA, Phase II ESA and Geotechnical Investigation services during the planning stages of the project. PSI's Phase I ESA identified historical environmental conditions, which could impact the proposed expansion. A Phase II ESA confirmed the presence of environmental contaminants on the property. PSI assisted CDS in applying to the Minnesota Pollution Control Agency (MPCA) Petroleum Brownfields Remediation Program.

A Development Response Action Plan (DRAP) was developed to address the handling and disposal of contaminated soils. PSI provided excavation observation to document the contaminant levels and monitor the handling and disposal. A final DRAP implementation report was compiled and submitted to the MPCA.

PROJECT REFERENCE Remediation Services

Exhibit C

Best Buy Retail Store

Client: Best Buy
Client Address: 7601 Penn Avenue South
Richfield, MN 55423
Client Contact: Mr. Tim Palmquist, Project Manager
Client Telephone: 612-291-7501
Client Fax: 952-947-2422

Project Value: \$5,000,000.00

Date Completed: August, 2004 – July, 2005

PSI Project Personnel: Michael Tjaden, Project Manager/Principal Consultant
Jim Roden, Field Work and Technical Analysis
Larry Raether, Environmental Principal Consultant

Services Provided: Phase I ESA
Asbestos, Lead and Hazardous Materials Survey
Regulatory Agency Coordination
Petroleum Brownfields Remediation Program
Project Management

PSI was retained to provide a Phase I Environmental Site Assessment (ESA) for a proposed new Best Buy development in Eden Prairie, Minnesota. The site was a commercial office building that would require demolition for the redevelopment. Asbestos, lead and other hazardous materials were surveyed at the site in preparation for the demolition of the existing structure. PSI provided asbestos abatement design services, including abatement design documents, pre-bid meeting, bid review and contractor selection. PSI also provided on-site abatement monitoring and site supervision to insure complete and timely execution of the project.

In Addition, PSI assisted Best Buy in applying to the Minnesota Pollution Control Agency (MPCA) Petroleum Brownfields Remediation Program. A Development Response Action Plan (DRAP) was developed to address the handling and disposal of petroleum contaminated soils associated with a former fuel oil tank on the subject property. PSI provided excavation observation to document the contaminant levels and monitor the handling and disposal of impacted soils.

STATE OF MINNESOTA
AFFIDAVIT OF NONCOLLUSION

Exhibit C

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);
MN Department of Administration
2. That the attached proposal submitted in response to the RECS Request for Proposals has been arrived at by the Responder independently and has been submitted without collusion with and without any agreement, understanding or planned common course of action with, any other Responder of materials, supplies, equipment or services described in the Request for Proposal, designed to limit fair and open competition;
3. That the contents of the proposal have not been communicated by the Responder or its employees or agents to any person not an employee or agent of the Responder and will not be communicated to any such persons prior to the official opening of the proposals; and
4. That I am fully informed regarding the accuracy of the statements made in this affidavit.

Responder's Firm Name: Professional Service Industries, Inc.

Authorized Representative (Please Print) Brandon Saeger

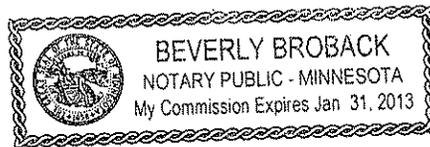
Authorized Signature: BS 8

Date: 12/11/09

Subscribed and sworn to me this 11 day of Dec 2009

Notary Public

Beverly Broback
My commission expires: 1/31/13



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

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

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

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

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

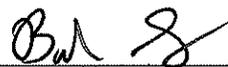
This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification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

Professional Service Industries, Inc.

Organization Name

Brandon Saeger

Name and Title of Official Signing for Organization

By: 

Signature of Official

12/11/2009

Date

State Of Minnesota – Affirmative Action Certification

Exhibit C

If your response to this solicitation is or could be in excess of \$100,000, complete the information requested below to determine whether you are subject to the Minnesota Human Rights Act (Minnesota Statutes 363A.36) certification requirement, and to provide documentation of compliance if necessary. **It is your sole responsibility to provide this information and—if required—to apply for Human Rights certification prior to the due date and time of the bid or proposal and to obtain Human Rights certification prior to the execution of the contract. The State of Minnesota is under no obligation to delay proceeding with a contract until a company receives Human Rights certification.**

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

Your response will be rejected unless your business:

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

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

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

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

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

Check below.

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

BOX C – For all companies

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

Name of Company: Professional Service Industries Date 12/11/2009
 Authorized Signature:  Telephone number: 651-646-8148
 Printed Name: Brandon Saeger Title: Branch Manager

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

STATE OF MINNESOTA
LOCATION OF SERVICE DISCLOSURE AND CERTIFICATION Exhibit C

LOCATION OF SERVICE DISCLOSURE

Check all that apply:

- The services to be performed under the anticipated contract as specified in our proposal will be performed ENTIRELY within the State of Minnesota.

- The services to be performed under the anticipated contract as specified in our proposal entail work ENTIRELY within another state within the United States.

- The services to be performed under the anticipated contract as specified in our proposal will be performed in part within Minnesota and in part within another state within the United States.

- The services to be performed under the anticipated contract as specified in our proposal DO involve work outside the United States. Below (or attached) is a description of
 - (1) the identity of the company (identify if subcontractor) performing services outside the United States;
 - (2) the location where services under the contract will be performed; and
 - (3) the percentage of work (in dollars) as compared to the whole that will be conducted in each identified foreign location.

CERTIFICATION

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

Name of Company: Professional Service Industries, Inc.

Authorized Signature: 

Printed Name: Brandon Saeger

Title: Branch Manager

Date: 12/11/2009 Telephone Number: 651-646-8148

State of Minnesota — Immigration Status Certification

Exhibit C

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

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

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

1. The company shown below is in compliance with the Immigration Reform and Control Act of 1986 in relation to all employees performing work in the United States and does not knowingly employ persons in violation of the United States immigration laws. The company shown below will obtain this certification from all subcontractors who will participate in the performance of this contract and maintain subcontractor certifications for inspection by the state if such inspection is requested; and
2. By the date of the delivery of the product and/or performance of services, the company shown below will have implemented or will be in the process of implementing the *E-Verify* program for all newly hired employees in the United States who will perform work on behalf of the State of Minnesota.

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

Name of Company: Professional Service Industries, Inc. Date: 12/11/2009
Authorized Signature:  Telephone Number: 651-646-8148
Printed Name: Brandon Saeger Title: Branch Manager

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

For assistance with the *E-Verify* Program

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

For assistance with this form, contact:

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

Email: MMDHelp.Line@state.mn.us

Telephone: 651.296.2600

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



CERTIFICATE OF LIABILITY INSURANCE

Exhibit C
12/10/2009

PRODUCER
Marsh USA Inc.
TWO LOGAN SQUARE
PHILADELPHIA, PA 19103
Attn: Philadelphia.Certs@Marsh.com Fax: 212-948-0360

J19623-PSI-GAWUP-09-10 GAWP

INSURED
PROFESSIONAL SERVICE INDUSTRIES, INC.
2401 PILOT KNOB ROAD
MENDOTA HEIGHTS, MN 55120

THIS CERTIFICATION IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Zurich American Insurance Co	16535
INSURER B: St. Paul Fire & Marine Ins Co	24767
INSURER C: Continental Casualty Company	20443
INSURER D: American Zurich Insurance Company	40142
INSURER E:	

COVERAGES

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

INSR ADD'L LTR	INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A		GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> PROD / COMPLETED OPS <input checked="" type="checkbox"/> CONTRACTUAL GENERAL AGGREGATE LIMIT APPLIES PER <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	GLO 6580471-18	03/01/2009	03/01/2010	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A		AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	BAP 6580472-18	03/01/2009	03/01/2010	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
B		EXCESS / UMBRELLA LIABILITY <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$	QK 06401044	03/01/2009	03/01/2010	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000
D A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE Y/N OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> N (Mandatory in NH) If yes, describe under SPECIAL PROVISIONS below	WC 6580421-18 (AOS) WC 9302890-07 (MA, WI, HI)	03/01/2009 03/01/2009	03/01/2010 03/01/2010	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C		OTHER PROFESSIONAL LIABILITY	AEH 25 409 7107	03/01/2009	03/01/2010	EACH CLAIM 1,000,000 AGGREGATE 1,000,000 DEDUCTIBLE 25,000

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

CERTIFICATE HOLDER IS INCLUDED AS ADDITIONAL INSURED WHERE REQUIRED BY WRITTEN CONTRACT, BUT ONLY TO THE EXTENT OF THEIR LIABILITY RESULTING FROM THE NEGLIGENCE OF THE INSURED AND WITH RESPECT TO SERVICES PROVIDED BY THE INSURED FOR THE ADDITIONAL INSURED, EXCEPT FOR WORKERS COMPENSATION AND PROFESSIONAL LIABILITY.

CERTIFICATE HOLDER CLE-002481585-03	CANCELLATION
REAL ESTATE AND CONSTRUCTION SERVICES ADMINISTRATION BUILDING - ROOM 309 50 SHERBURNE AVE. ST. PAUL, MN 55155	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE of Marsh USA Inc. Mary Radaszewski <i>Mary Radaszewski</i>

IMPORTANT

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

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

DISCLAIMER

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

**TARGETED GROUP AND ECONOMICALLY DISADVANTAGED BUSINESS
AND INDIVIDUALS (TG/ED):**

Professional Service Industries, Inc. does not qualify as a targeted group of economically disadvantaged business.

PROJECT TEAM

The Professional Service Industries, Inc. team brings outstanding experience to your project. The personnel being assigned to your project have well in excess of the requested 5 years of testing and consulting experience.

Our approach is to manage and staff your project with one Project Manager from PSI to direct the day to day field activities, Senior Professional Engineers to support the project, Senior Level Technicians to provide dedicated on-site inspections to perform the requested services. PSI not only brings a highly qualified staff to the project, but we also bring a team approach in which the same team members have worked together on numerous other projects.

The responsibility for your project will be assigned to the following key personnel. Resumes of other key staff are included as well.

Corporate Contact - Principal Engineer

Mr. David Barndt, P.E. Vice President and Senior Construction Manager for PSI will serve as corporate contact and Senior Professional Engineer on your projects.

As a senior Professional Engineer at PSI, Mr. Barndt participates in setting corporate policy for technical and administrative issues related to asbestos and environmental consulting and construction management services. He is responsible for supervising and/or training PSI's engineers, construction managers, and inspectors, increasing their competence to perform the wide variety of construction related tasks associated with asbestos projects.

Mr. Barndt has over 25 years of experience providing, materials testing, inspection and environmental consulting services. Mr. Barndt will be responsible for the administration and final approval of proposals, budgets, negotiations, and contracts for the project. Mr. Barndt will also be responsible to ensure our project manager has sufficient resources to complete your projects in a timely and economical fashion. As Vice President, Mr. Barndt has the authority to allocate the vast resources and personnel within PSI. Mr. Barndt's vast experience and knowledge will be utilized during the planning and implementation of projects for the State of Minnesota.

Environmental Projects Manager

Mr. Michael Tjaden will be assigned to this project as the project manager, assuring continuity throughout the performance of environmental investigations. Mr. Tjaden will oversee all fieldwork, laboratory testing, report preparation and design/management services, thus providing one contact, who is highly involved to manage and remain accountable for this project.

Exhibit C

Mr. Tjaden will serve as your on-site coordinator and client contact. He will be active in all phases of the project and be responsible for directing on-site inspection activities, specification development and project management. He will conduct all pre-construction and on-site construction progress meetings and resolve any design and construction problems that may arise. He will also be responsible for addressing and tracking any non-compliance items and document corrective action is taken.

Mr. Tjaden has over 19 years experience with PSI performing asbestos, lead-based paint and environmental consulting services. Mr. Tjaden is an Environmental Professional and holds current certifications as an Asbestos Inspector, Management Planner, Project Designer, and is NIOSH 582 trained. He is also a certified Lead Risk Assessor. Holding multiple certifications gives Mr. Tjaden the expertise to address all issues related to renovation and demolition projects as well as address the regulatory requirements related to property acquisition and redevelopment.

David M. Barndt, PE

Vice President

Education

BS/1980/Civil Engineering/University of Wisconsin - Milwaukee

Registrations/Certifications/Technical Training

Professional Engineer: Wisconsin, #E24798

Asphalt Pavement Design, University of Wisconsin, 1990

Specialty Geotechnical Construction, University of Wisconsin, 1998

Non-Destructive Testing of Concrete, University of Wisconsin, 1988

Design and Construction of Slabs on Grade, American Concrete Institute, 1995

Inspection of Steel Structures, University of Wisconsin, 1987

Shallow Foundation Design, PSI, 1995

Deep Foundation Design, PSI 1996

Phase I Environmental Site Assessments, PSI, 1989' 1993

Phase II Environmental Site Assessment Field Methods, PSI, 1989, 1995

Principles of Geotechnical Engineering, PSI, 1999

Radiation Safety Officer/Instructor, PSI, 1990

Physical Condition Assessments, PSI, 1998

EPA Accredited Asbestos Inspector

EPA Accredited Management Planner

EPA Accredited Project Designer

WI Certified Site Assessor

Certified Environmental Professional

Memberships/Affiliations

American Society of Civil Engineers (ASCE)

American Concrete Institute (ACI) – Secretary/Treasurer, 1990 to 1993

Wisconsin Society of Professional Engineers (WSPE)

American Welding Society

Professional Experience

Mr. Barndt is Vice President of PSI's Milwaukee, Wisconsin office. He has more than 20 years of experience in Geotechnical Engineering, Construction Materials Testing and Environmental Consulting. Mr. Barndt has extensive knowledge of the subsurface conditions and construction practices in Southeastern Wisconsin which has enabled him to serve as Senior Consultant during foundation and building construction on a wide variety of projects. Mr. Barndt also has had extensive experience performing and overseeing testing and inspection of structural steel including welding procedure and operator qualification, fabrication inspection and non-destructive testing. He has worked on a variety of geotechnical and construction materials testing projects including high-rise structures, sports facilities, hotels, industrial facilities, shopping centers, warehouses, communication towers, hospital and medical facilities, water/wastewater treatment facilities, prisons and airports. Mr. Barndt serves as PSI's principal client contact, project manager and/or senior author on major construction projects in the Milwaukee area.

Representative Construction Inspection & Testing Project Experience

- Bradley Sports and Entertainment Center; Milwaukee, Wisconsin – Project Manager and Principle Engineer responsible for providing construction inspection and testing for the new sports complex and home of the Milwaukee Bucks. Services included inspection of the deep pile foundation system,

concrete and soil testing and shop and field inspection of structural steel. Structural steel was fabricated in plants in the USA and Canada. An inspection program incorporating the requirements of the American Welding Society was developed for plants in Canada where fabrication is performed under the Canadian Welding Bureau (CWB).

- Miller Park; Milwaukee, Wisconsin – Served as Principle Engineer for the inspection and testing of the deep foundation system for Miller Park, home of the Milwaukee Brewers. The foundation system included the installation of over 2,000 tapered piles and hundreds of drilled shafts, which were socketed into bedrock to resist uplift forces induced by the retractable roof. Crosshole Sonic Logging was performed to evaluate the quality of the concrete within the drilled piers.
- Midwest Express Center; Milwaukee, Wisconsin – Served as Senior Project Manager and Principle Engineer responsible for construction testing and inspection for the construction of Convention Center. PSI inspected installation of the deep foundation system; directed on-site and laboratory concrete quality control and testing; performed soil inspection and compaction testing and comprehensive shop and field inspection and non-destructive testing of structural steel.
- Milwaukee Metropolitan Sewerage District, Milwaukee, Wisconsin – Mr. Barndt served as Project Manager and Principle Engineer on multiple projects in support of the MMSD Deep Tunnel project over a 10 year period, through the MMSD's Program Management office. PSI provided services on numerous projects at the Jones Island WWTP, the South Shore WWTP as well several deep tunnel projects within the Milwaukee Metropolitan Area. PSI performed comprehensive on-site and laboratory concrete quality control and testing; performed soil inspection and compaction testing services; and performed complete geotechnical consulting.

Representative Quality Control/Quality Assurance Project Experience

- Milwaukee County Medical Complex, Milwaukee, Wisconsin – Mr. Barndt served as Project Manager and Principle Engineer on numerous large projects on the County Medical Complex Grounds including the MCMC Bridge Building, MCMC Ambulatory Care Center, Froedtert Hospital Cancer Center, East Clinic Addition and Parking Structure, Children's Hospital and the new Froedtert United Dynacare Building. In addition, Mr. Barndt has also been involved with numerous projects at the Medical Complex Power Plant. Mr. Barndt has inspected installation of numerous shallow and deep foundations; directed on-site and laboratory concrete quality control and testing; directed steel reinforcing and soil compaction testing services; directed quality control testing of asphalt, and concrete pavements; and performed complete geotechnical investigations.
- Milwaukee County International Airport – Mr. Barndt served as Principle Engineer on numerous projects at the Airport including the Airport Parking Structure and Concourse C, Concourse D and Concourse E Expansions, as well as numerous Runway and Taxiway upgrade and expansion projects. Inspected installation of foundations; directed on-site and laboratory concrete quality control and testing; directed steel reinforcing and soil compaction testing services; directed quality control testing of asphalt, and concrete pavements; and performed complete geotechnical investigations.

Representative Geotechnical Engineering & Drilling Services Project Experience

- St. Luke's Medical Center – Milwaukee, Wisconsin. – Principle Engineer for multiple projects at the St. Luke's Medical Center including 8 story Outpatient Addition, 14 story Knisely Tower, the Gamma Knife Addition and a multi level parking structure. Provided comprehensive geotechnical investigations and construction inspection and testing services.
- Milwaukee Metropolitan Sewerage District Headquarters and Laboratory buildings – Milwaukee, Wisconsin. – Principle Engineer for the MMSD's new Headquarters and laboratory buildings, Performed a comprehensive geotechnical investigation and pile testing program to establish pile driving criteria.
- Aurora Health Care Center, Pewaukee Wisconsin – Served as Project Manager and Principle Engineer

for the construction of a new hospital facility. Conducted a comprehensive geotechnical investigation and provided inspection and testing services during construction.

- Froedtert Lutheran Memorial Hospital – United Dynacare Laboratory Building, Milwaukee, Wisconsin. – Mr. Barndt served as Principle Engineer for the geotechnical investigation and subsequent construction inspection and testing on this project. Due to the subsurface conditions and site constraints, several foundation types were required for this building including continuous wall and spread footings on both natural soils and engineered fill and deep foundations designed to bear upon natural soils and bedrock which underlie portions of the building area.
- Milwaukee County House of Corrections, Franklin, Wisconsin – Served as Principle Engineer for the geotechnical investigation and subsequent construction inspection of a multi level, 600-bed addition to the County House of Correction.

Representative Pavement Evaluation & Consulting Project Experience

- Milwaukee County Department of Public Works – Mr. Barndt has served as Project Manager and Principle Engineer on numerous projects for Milwaukee County over the past 15 years. Typical projects range from small reconstruction projects within the County's Park system to large scale projects such as the reconstruction of approximately 2 miles of Lincoln Memorial drive along Lake Michigan. Services PSI has provided include pavement analysis of parking lots and roadways and geotechnical investigations with pavement design and construction recommendations.
- U.S. Highway 18, Grant County, Wisconsin – Served as Project Manager responsible for the geotechnical investigation of an approximate 15-mile section of U.S. Highway 18. Recommendations were provided for pavement reconstruction, construction of cut slopes and embankments as well as for the replacement of several structures within the project limits.

Years experience with other firms: 0
Year started with PSI: 1981

Year started with PSI: 1999
Years experience with other firms: 20

Education

- Master of Science in Civil/Geotechnical Engineering, Purdue University, Indiana, 1982
- Bachelor of Science in Geological Engineering, University of Missouri, Rolla, 1977

Certifications/Registrations/Technical Training

- Professional Engineer, #20778, Oklahoma, 2002
- Professional Engineer, #9514, Wyoming, 2002
- Professional Engineer, #10216, Idaho, 2001
- Professional Engineer, #PE-4659, North Dakota, 2001
- Professional Engineer, #7336, South Dakota, 2001
- Professional Engineer, #10082, Arkansas, 2000
- Professional Engineer, #15889, Kansas, 2000
- Professional Engineer, #15104, Iowa, 2000
- Professional Engineer, #26204, Georgia, 2000
- Professional Engineer, #33892, Wisconsin, 2000
- Professional Engineer, #40213, Minnesota, 2000
- Professional Engineer, #E9719, Nebraska, 2000
- Mine Safety/Health Administration Instructor, Impoundments, US Department Of Labor, #CZ, 1997
- Driven Pile Foundations, Construction Monitoring, National Highway Institute, US DOT, 1997
- Professional Engineer, #20932, Alabama, 1996
- Professional Engineer, #30128, Virginia, 1996
- Professional Engineer, #102907, Tennessee, 1996
- Land Surveyor, #1552, West Virginia, 1995
- Professional Engineer, #21308, North Carolina, 1995
- Professional Engineer, #062-049089, Illinois, 1994
- Professional Engineer, #12337, West Virginia, 1994
- Professional Engineer, #48830, Ohio, 1994
- Professional Engineer, #9400433, Indiana, 1994
- Professional Geologist, #2169, Kentucky, 1994
- Professional Engineer, #15592, Kentucky, 1988
- Professional Engineer, #33121, Michigan, 1987
- 10th Annual Short Course on Instrumentation of Soil and Rock for Monitoring Field Performance, University of Missouri-Rolla, 1986
- Professional Engineer, #20701, Missouri, 1983
- NCEE Record, #19087

Affiliations/Memberships

- American Society of Civil Engineers (ASCE)
- Association of State Dam Safety Officials (ASDSO)
- United States Committee on Large Dams (USCOLD)

- Water Management Association of Ohio (WMAO)

Professional Experience

Mr. Miller is a chief engineer for PSI's Midwest operations primarily including Nebraska, Kansas, Iowa, Missouri, Illinois, Wisconsin, Minnesota, South Dakota, and North Dakota. He has more than 27 years of experience in a wide range of geotechnical projects for the private geotechnical engineering consulting industry, the power industry, the industrial and municipal landfills industry, and the coal mining industry throughout east central United States. He has specific experience in geotechnical laboratory testing, field instrumentation of dams, landslides, foundations, and embankments, foundation design with conventional and mechanically stabilized earth methods; seepage analysis and remediation; slope stability analysis and remediation; dam design, rehabilitation, permitting, construction, landfill design, mine tailings dam design, design and installation of large diameter metal culverts, spans, and liner plates and forensic geotechnical engineering

Representative Geotechnical Engineering and Drilling Project Experience

- Drury Development Corporation, Drury Hotel Plaza; Chesterfield, Missouri - Chief engineer responsible for the oversight of technical staff for the development of foundation recommendations and site development. This project included a 9-story parking structure, a 11-story hotel, and several one-story structures.
- Drury Development Corporation, Parking Structure; Saint Louis, Missouri - Chief engineer responsible for the oversight of technical staff for the development of foundation recommendations and site development. This project included a 7-story reinforced concrete structure approximately 122-foot square in plan surrounded by other tall and historic structures
- Mackey Mitchell Associates, Washington University Phase 4 and Phase 4B Housing; Clayton, Missouri - Chief engineer responsible for the oversight of technical staff for coordinating drilling operations, overseeing laboratory testing services, and developing geotechnical and foundation recommendations. The project included the construction of a four-story residence hall.
- RSH Engineering, Horseshoe Lake Compressor Station; Granite City, Illinois - Chief engineer responsible for the oversight of technical staff for development for scope of services, supervising field and laboratory operations, performing the liquefaction study as well as provide foundation recommendations. The site is the proposed location of a series of natural gas compressors near Horseshoe Lake.
- Biodiesel Systems, Biodiesel Plant; Granite City, Illinois - Chief engineer responsible for the oversight of technical staff for development for scope of services, managing field activities and gathering CPT data for site analysis. The data collected was used to assess the liquefaction potential of river sands and determine a suitable foundation system that provided stability to the critical structures surrounding the plant.
- Durrant Group, Inc., Winnebago County Criminal Justice Center; Rockford, Illinois - Chief engineer responsible for the oversight of technical staff for the geotechnical

investigation and foundation design for 5-story jail with column loads in the 2,500 kip range. Investigation included the use of piezocone technology that allowed placement of shallow foundations on dense sand and gravel soils.

- Froedtert Memorial Lutheran Hospital, Cancer Center and Parking Structure; Milwaukee, Wisconsin - Chief engineer responsible for the oversight of technical staff for the geotechnical investigation and foundation design for parking garage with 2,500 kip column loads and Cancer Center with 8 kip per lineal foot wall footings. Extensive exploration with pressure meter testing was performed in stratified clays, sandy clays and silts to establish allowable bearing pressures of approximately 8 kips per square foot.
- St. Joseph's Community Hospital; Polk, Wisconsin - Chief engineer responsible for the oversight of technical staff for the geotechnical investigation and foundation design for 3-story hospital with column loads up to 900 kips. The pressure meter was used to establish design parameters for the shallow foundations in range of 10 kips per square foot.
- Irgens Development Partners, LLC, GE Healthcare Research Park; Milwaukee, Wisconsin - Chief engineer responsible for the oversight of technical staff for the geotechnical investigation and foundation design for a 4-story, 442,000 square foot office building with a 4-story parking garage. Foundation loads for columns ranged from 575 kips to over 1,100 kips. The pressure meter was used to establish design parameters for the shallow foundations in range of 6 to 8 kips per square foot.
- FEH Associates, Inc., Siouxland Events Center (Tyson/IBP Event Center); Sioux City, Iowa - Chief engineer responsible for the oversight of technical staff for the geotechnical investigation and foundation design for the arena center with column loads up to 750 kips. The site is located in the Missouri River Floodplain with a significant amount of highly variable and compressible materials requiring deep foundation systems. Fills placed adjacent to the structure use EPS fill to minimize negative skin friction on new piles in areas of new fill exceeding 20 feet.
- The Mills Corporation, St. Louis Mills; Hazelwood, Missouri - Performed the geotechnical investigation for a 1,500,000 ft² mall in an alluvial floodplain. Compacted aggregate stone columns were used to sustain the higher column loads.
- St. Louis Airport, Lambert Runway Expansion Project; Missouri - Performed the instrumentation installation program for a 70 foot high embankment and cut and cover tunnel for a major 4 lane roadway. Instrumentation included vibrating wire piezometers, down-hole settlement devices, heave points and slope inclinometers.
- Holcim, Ste.; Genevieve, Missouri - Performed geotechnical and geophysical investigations for a cement plant. Performed refraction seismic and resistivity surveys to map the bedrock features in the area.
- Sega, Inc.; Kansas City, Kansas - Chief engineer responsible for the oversight of technical staff performing foundation investigation for Nearman Creek Power Plant in Kansas City, Kansas. This investigation included the use of a piezocone penetrometer and downhole seismic investigations.
- Danis Building Construction; Parkersburg; West Virginia - Principal engineer investigating movements of a 20' high tied back retaining wall for hospital parking lot.

- CH2M Hill; Dayton, Ohio - Principal engineer for geotechnical investigation of interchange upgrade for I-70/I-75 exchange including roadways, embankments, bridges and MSE ramps.
- Foundry Services, Inc.; Ironton, Ohio - Principal engineer responsible for class III residual waste landfill design and permitting. Site also required closure documentation for foundry sands.
- Danis Building Company; Cincinnati, Ohio - Principal engineer responsible for investigation storm detention spillway failure and slope stability issues.
- Adams Robinson; Southwest Indiana - Principal engineer responsible for investigation movements of auger cast piles in subgrade during construction but prior to placing waste water treatment plant.
- BP Chemicals; Lima, Ohio - Principal engineer responsible for construction of a liner system for low-level radiation landfill.
- AK Steel; Middletown, Ohio - Principal engineer responsible for pipeline route investigation for bedrock identification and excavation plan recommendations for 11.7 mile route. Investigation included refraction seismic surveys to locate shallow rock.
- American Electric Power Service Corporation; Nationwide - Design engineer responsible for foundation systems for substations and transmission lines. Including evaluation of landslides and mine subsidence.
- American Electric Power Service Corporation - Designed a sheetpile coffercell barge unloading ramp for heavy load delivery in Madison, Indiana, on the Ohio River.
- Waste Control Services; Waynesville, Ohio - Principal engineer responsible for Class II residual waste landfill design and permit of 50+ acres in NE Ohio.
- Courtney Engineering; Cleveland, Ohio - Principal engineer responsible for remediation design of large corrugated metal arch structure which failed due to foundation erosion. Designed ring beam remediation measures to control deflections in the pipes.
- Montgomery County Solid Waste; Dayton, Ohio - Principal engineer responsible for incinerator ash landfill closure and PTI permit for new landfill on adjacent property.
- Tooele Arms Depot; Tooele, Utah - Principal engineer for evaluation of igloo-buried corrugated metal structures, storing weapons, and remediation design of severely deflected structures.
- Contech Construction Products; Hamilton, Ohio - Principal engineer responsible for design of 45 feet wide x 30 feet high corrugated metal arch founded on a mechanically stabilized earth wall constructed in a serpentine layout. The corrugated metal arch included 15 feet of embankment material surcharge over the crest of the arch.
- Elk Run Coal Company; West Virginia - Principal engineer responsible for a back stack isolation plan to isolate magnesium overburden material to mitigate environmental effects for a surface coal mine.
- Ferrel's Branch Coal Company; Matewan, West Virginia - Principal engineer responsible for evaluation of landslide in a coal mine valley fill overlying a burning coal seam.

- Sun Coal Company; Middletown, Ohio - Principal engineer responsible for foundation study for 3000-foot long coke over facility.
- Rudolph Libbe; Dayton, Ohio - Principal engineer responsible for investigation of settlement of de-icing sump station facilities.

Representative Dam Investigation and Geotechnical Engineering Project Experience

- Lee Summit Park Dam; Lee Summit, Missouri – Performed the geotechnical investigation and designed the 30+foot high embankment for the recreational facility.
- Nebraska Game and Parks Commission; Ponca, Nebraska - Performed the geotechnical investigation and designed the 35+foot high embankment for the recreational facility in Missouri River Bluff loess deposit. The loess deposits required pre-wetting of the foundation zone of the dam.
- US Army Corps of Engineers, Comite River Diversion Project - Performed direct shear and triaxial compression shear strength testing on specimens obtained from a 5 inch diameter Shelby tube.
- Mitch King Dam; Palmyra, Illinois - Performed the geotechnical investigation and designed the stability and seepage analysis for the internal drainage for a 35+foot high embankment for a local residential impoundment facility.
- Island Creek Coal Company; Logan, West Virginia - Principal engineer responsible for liquefaction analyses on upstream dam construction in coal refuse tailings dam.
- American Electric Power Service Corporation; Buchanan, Michigan - Project engineer and manager responsible for rehabilitation of low head, run of river, and concrete gravity dam. Modified in accordance with FERC. Design stability improvements to pile and soil founded monoliths. Performed finite element seepage analysis to evaluate upstream and downstream wooded, seepage cutoff structures. Investigated the routing of storms over the monoliths to analyze the uplift characteristics of the dam stability and gate replacement program. Installed pneumatic piezometers in the monolith structures for monitoring during construction.
- American Electric Power Service Corporation; Madison, Indiana - Project engineer responsible for conversion of fly ash impoundment into fly ash landfill. Permitted with IDEM converting 150+ acre reservoir into multi-million cubic yard landfill.
- American Electric Power Service Corporation; Cheshire, Ohio - Project engineer and manager responsible for design, permit contract administration for fly ash retention impoundment addition. 1.5 million cyd earthwork project, \$7 million capital project. Project required extensive monitoring. Performed finite element seepage analysis to design the internal drainage features using SEEP. Evaluated the reservoirs capacity to handle the regulatory design storm. The design included sufficient capacity to store and route the design storm with a primary drop inlet spillway. Installed over 50 piezometers, settlement monuments, seepage gages, and slope inclinometers.
- American Electric Power Service Corporation - Project engineer and manager for design and permitting of 15-year old fly ash impoundment extension of earth dam which failed during initial construction. Project required extensive testing and construction monitoring.

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- American Electric Power Service Corporation; Nationwide - Project engineer and manager responsible for design, permitting, and contract administrator for fly ash dam utilizing coal mine waste, soil, and boiler slag. Design extension of 84-inch diameter RCP Decant Pipe and routing of design storm through the extended discharge structure.
 - Consolidation Coal Company; West Virginia and Virginia - Certified impoundment inspector for 13 coal refuse impoundments in West Virginia and Virginia. Supervised construction and abandonment of tailing dams.
 - Illinois Power Company; Wood River, Illinois - Principal engineer responsible for design of upstream raising of fly ash retention dam. Included liquefaction study for earthquake zone including dynamic triaxial compression shear tests. Seepage analysis for the upstream design was critical to the project.
 - Peabody Coal Company; Morganfield, Kentucky - Principal engineer responsible for designed abandonment system to convert mine refuse ponds into a managed wetland facility.
 - Black Beauty Coal Company; Sullivan, Indiana - Principal engineer responsible for designs of new refuse impoundment in abandoned surface mine pits. These studies included the geotechnical, hydrologic, and surface water hydraulic structures for this proposed facility.
 - US Army Corps of Engineer; Clarence Cannon Dam, Missouri - Staff engineer responsible for evaluating and monitoring migration of construction pore pressures in foundation shale during dam construction. Wrote finite difference software to model post construction pore pressure dissipation.

Publications

- Kevin C Miller, James Noll, Ohio State Road 129-Millcreek Overpass, TRB Annual Meeting, Washington DC, 2001.
- Kevin C. Miller, "Design and Construction Consideration or an upstream Expansion of Flyash Disposal Reservoir", 17th Annual ASCE Geotechnical Seminar, Omaha, Nebraska, 2000.
- Kevin C. Miller, "Installation Monitoring Practices are Critical to Evaluating the Performance of Corrugated Metal Bridge Structures", 1998, Bridge Builders Magazine.
- Kevin C. Miller, D.C. Cowherd & JD Frost, "Selection and Evaluation of Appropriate Strength Parameters in the Design of Upstream Construction Over Coal Mine Slurry", Annual Conference On Dam Safety, Atlanta, Georgia, September 1995.
- Kevin C. Miller, D.C. Cowherd & J.E. Lamb, "Design and Construction of a Flyash Reservoir Vertical Expansion in A Seismic Risk Area", American Power Conference, Chicago, Illinois, April 1994.
- Kevin C. Miller, D.C. Cowherd, V.G. Perlea & S. Prakash, "Evaluation of Liquefaction Potential of Coal Slurry", Third International Conference on Case Histories in Geotechnical Engineering, St. Louis, Missouri, June 1-6, 1993.

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- Kevin C. Miller, D.C. Cowherd & V.G. Perlea, "Seepage Through Mine Tailings Dams", Third International Conference on Case Histories in Geotechnical Engineering, St. Louis, Missouri, June 1-4, 1993.
 - Kevin C. Miller & K. Tamms, "Stability Improvements for the Elkhart and Buchanan Dams", 1987, USCOLD Newsletter.

Résumé**Michael Tjaden**

Senior Project Manager / Principal Consultant, Mendota Heights, Minnesota

Education

Bachelor of Science in Physics, Augsburg College, Minneapolis, 1985

Master of Science in Physics, University of Minnesota, 1988

Certifications/Registration/Technical Training

EPA AHERA Asbestos Inspector, 1990

EPA AHERA Asbestos Management Planner, 1990

EPA/AHERA Asbestos Project Designer, 1999

EPA Lead-Based Paint Inspector, 1994

EPA Lead-Based Paint Risk Assessor, 1995

NIOSH 582E, 1991

Asbestos Analysts Registry (AIHA)

Scitec MAP 3.5 Spectrum Analyzer Operation

PGT XK-3 Operator Training

RMD LPA-1 Operator Training

PSI XRF Radiation Safety Training

Phase I Environmental Site Assessment, 1993

Phase II Environmental Site Assessment, 1995

Property Condition Assessment, 1998

IAQ / Mold Inspector, 2003

Professional Experience

As Senior Project Manager, Mr. Tjaden is responsible for the environmental operations of the Minneapolis/ St. Paul Branch. The branch handles Phase I and II ESAs, UST consulting, asbestos consulting, lead-based paint consulting and indoor air quality investigations. He oversees proposal development, project scheduling, and quality control and report production. Mr. Tjaden provides technical input and coordination of all environmental work. He also serves as the primary client contact for all project communications.

The experience Mr. Tjaden brings to the position of Senior Project Manager is very important. He has nineteen years of experience ranging from conducting field investigations to managing large projects. Mr. Tjaden has handled a statewide asbestos inspection project for a large financial institution, multi-site Phase I ESAs and Phase II site sampling projects. The Minneapolis/St. Paul Branch Office has also conducted lead-based paint testing and risk assessment projects for several public/Indian housing agencies under his direction. Mr. Tjaden also has extensive experience in Phase I/II Environmental Projects.

Mr. Tjaden serves as a principal consultant for ESAs, and asbestos and lead-based paint surveys, and has experience with a wide variety of risk assessment, management planning and project design projects for asbestos and lead-based paint.

Representative Asbestos Project Experience

- Gymboree Corporation, Burlingame, CA – project manager for asbestos surveys of over 500 retail stores.
- Montreal Highrise, St. Paul, Minnesota – project manager for twelve story residential highrise asbestos survey. Provided asbestos management consulting for the building owner.
- Trinet Corporate Realty Trust, Arden Hills, Minnesota – conducted asbestos survey and phase I ESA of a 200,000 square foot commercial property.
- JC Penney Corporation - Project manager for asbestos inspections and abatement to facilitate the renovation of retail stores across Minnesota.
- MPS-Minneapolis Public School; Minneapolis, Minnesota- inspector and project manager responsible for surveying school buildings and managing asbestos abatement projects for over 75 school renovation projects.

Representative Lead-based Paint Project Experience

- HUD Lead Reduction Grant – City of Minneapolis – project manager and lead risk assessor for risk assessments in 300 residential units in the Philips neighborhood of Minneapolis including full lead inspection, risk assessment and clearance inspection and testing.
- Public Housing Agency of the City of St. Paul; St. Paul, Minnesota-Project manager for an housing agency wide lead-based paint risk assessment project meeting HUD and HARRG risk assessment protocols.
- Minneapolis Public Schools, Minneapolis, Minnesota-Project manager for several window replacement projects involving asbestos and lead-based paint issues.
- HUD Swab Team/Risk Assessment Research Project, Minneapolis, Minnesota-provided risk assessment services for the evaluation of swab team services conducted under a grant from US Department of Housing and Urban Development.

Representative Phase I/II Environmental Site Assessment Project Experience

- Target - Project Manager for the development and implementation of Development Response Action Plan for the expansion of a retail store on a site with known petroleum impacts for participation in the MPCA Voluntary Investigation and Cleanup (VIC) Program.
- Prudential Real Estate Investors – Project Manager and environmental professional for the assessment of multiple multi-family and commercial properties in the Twin Cities.
- US Bancorp, Hopkins, Minnesota – Project Manager for environmental assessments conducted to assess business environmental risk for a national financial institution.
- First Union Real Estate; Cleveland, Ohio-Project Manager for Phase I/II ESAs on commercial/multi-family residential properties in four states.
- AMRESKO Capital; Dallas, Texas-Project manager for Phase I ESAs including asbestos and lead-based paint surveys on multi-family residential properties.
- Wells Fargo Bank, Bloomington, Minnesota- Project manager for Phase I ESAs conducted for environmental business risk evaluation for national financial institution.
- Favorite Brands; Chicago, Illinois-Project manager for review of Phase I ESA and developed Phase II scope of work and sampling plan for multiple commercial site acquisition.
- Fazoli's; Lexington, Kentucky-Project manager for Phase I ESAs on various restaurant development sites in Minnesota and Wisconsin.
- MetLife; Chicago, Illinois-Project manager for Phase I ESAs including asbestos surveys at sites in Minnesota and North Dakota including industrial, commercial and multi-family resident properties.
- COSTCO, St. Louis Park, Minnesota-Project manager for Phase I/II investigation of a former industrial site for redevelopment as a warehouse store location for a national retail client.
- Kraft Foods, Chicago, Illinois-Conducted Phase I/II ESAs for multiple sites in Minnesota as part of portfolio of sites undergoing environmental assessment.
- National Retail Properties – Project manager for tank removal projects at land lease properties where the operator was discounting the sale of petroleum fuels. PSI provided reporting and regulatory liaison services to facilitate the complete assessment of the site and assure proper removal of the tanks and associated equipment.

Years experience with other firms: **none**
Year started with PSI: **1990**

Résumé**Brandon Saeger**

Department Manager, Construction/Geotechnical Services

Mendota Heights, Minnesota Office

Education

Bachelor of Science in Civil Engineering, North Dakota State University, 2007

Certifications/Registration/Technical Training

ACI Concrete Field Testing Technician, 2006

Mn/DOT Certified Construction Technician, 2006

Engineer in Training (E.I.T.), 2007

Certified Nuclear Density Gauge Operator, 2007

PSI Project Manager, 2008

PSI Radiation Safety Officer, 2009

Professional Experience

As Department Manager, Mr. Saeger is responsible for the overall operation of the Construction/Geotechnical Services Department. The department handles a wide variety of construction services including concrete inspection and testing, inspection of fill operations, foundation inspection, masonry inspection and testing, structural steel inspection, vibration monitoring along with many other services. He oversees proposal development, project scheduling and personnel, and quality control and report production. He also serves as the primary client contact for all project communications.

Mr. Saeger has had direct experience performing inspections of shallow foundation systems and building and pavement subgrades. Mr. Saeger has also had extensive experience performing and evaluating field testing of concrete, fill operations, and masonry. He has also prepared site specific recommendations and directed field operations for undercutting and stabilization of subgrades. Additionally, Mr. Saeger has performed over 25 geotechnical explorations including soil classification, engineering analysis, and report preparation.

Representative Construction/Geotechnical Services Project Experience

- Walgreen's – inspector and project manager for construction/geotechnical services including earthwork operations, foundation construction, structural steel framing, and concrete testing and inspection for stores across Minnesota and Wisconsin.
- Sonic Restaurants – inspector and project manager for construction services for stores across the Minnesota metro area.
- McDonald's – project manager for several stores for geotechnical explorations and construction materials testing across Minnesota and Wisconsin.

Years experience with other firms: Two
Year started with PSI: 2007

Résumé**Larry D. Raether, P.E.**

Phase II ESA Principal Consultant

Education

BS in Environmental Engineering, Michigan Technological University, 1992

Certifications/Registrations/Technical Training

Registered Professional Engineer (WI #E-32733)

WI Registered PECFA Consultant (#47195)

Member-Federation of Environmental Technologists

Associate Member-American Society of Civil Engineers

Environmental Professional, PSI

Senior Technical Professional, PSI

Interpretation and Enforcement of Construction Contracts

Phase I Environmental Workshop, PSI

Phase II Environmental Workshop, PSI

Professional Experience

Mr. Raether is a Senior Environmental Consultant and Environmental Department Manager for our Waukesha, Wisconsin office. He has been working as an Environmental Engineering Consultant for the past twelve years. Prior to joining PSI, he served as a PECFA Consultant and In-situ Remedial Design Engineer. His experience includes Phase I and II Environmental Site Assessments, FCC NEPA Assessments, soils and groundwater remediation, asbestos and lead-based paint consulting, waste minimization, and industrial hygiene services. His project experience includes soil and groundwater contamination by LNAPL and DNAPL hydrocarbons and chlorinated hydrocarbons and metals. His experience primarily covers the states of Wisconsin and Minnesota. His clientele includes both the public and private sector. Along with his role as Department Manager, his work includes all aspects of project management on advanced environmental projects, client liaison, and negotiation with regulatory agencies.

Representative Asbestos/Lead-based Paint Project Experience

- State of Wisconsin. Since Year 2000, the State of Wisconsin has awarded several asbestos and lead-based paint assessment contracts to PSI. The total area of building space that PSI has or will be inspecting exceeds eight million square feet. The most common buildings that we survey are University or Educational buildings, Correctional Institutions and Military Affairs buildings. Mr. Raether serves as the Project Manager for these projects.
- Wisconsin Department of Transportation. PSI has been retained by the Wisconsin Department of transportation to conduct asbestos surveys of residences and commercial buildings that they acquire for road expansion work. PSI typically surveys 40 to 60 buildings per year under this contract. Mr. Raether serves as the Project Manager for this project.
- Milwaukee Public Schools. PSI was retained by Milwaukee Public Schools (MPS) to perform a lead-based paint pilot test on three elementary schools. The work being performed is in general compliance with HUD guidelines, modified as appropriate per MPS's desire. With this data and our guidance, MPS plans to prepare specifications for lead-based paint testing at an additional 80 elementary schools. Mr. Raether serves as the Project Manager for this project.
- Progressive Environmental. PSI has performed several lead-based paint risk assessments for Progressive Environmental. The assessments were performed on elderly housing complexes in accordance with HUD guidelines. Mr. Raether served as the Project Manager for these projects.
- City of Milwaukee Department of Neighborhood Development. PSI is experienced with the State of Wisconsin Lead Safe/Lead Free certification program. Mr. Raether served as the project Manager

for one such project involving a duplex residence owned by the City of Milwaukee. Based on our initial survey and post remedial findings, we were able to prepare a Lead Safe Certificate for the property.

- Milwaukee County Plank Road School Complex. PSI was awarded a contract for the performance of asbestos consulting services to facilitate the demolition of six buildings located at the Plank Road School Complex site. Services that PSI supplied during the original contract included asbestos sampling and testing, abatement monitoring and clearance testing, and hazardous materials quantification. Based on our performance, the contract was extended to include asbestos monitoring services during demolition. Mr. Raether provides overall management and senior engineering services for this project.
- State of Wisconsin. Mr. Raether has worked closely with the State of Wisconsin in the development of a web-based asbestos and lead-based paint management tool known as WALMS. In addition, PSI was retained by the State of Wisconsin for inspection services of Military Affairs facilities, select Universities and Wisconsin State Fair Park. Mr. Raether provides supervisory oversight for these projects.
- Housing Authority of the City of Milwaukee. PSI has been providing asbestos and lead-based paint consulting services for this client since 1993. PSI has also developed a software based asbestos and lead paint management tool for HACM. PSI has performed asbestos pre-demolition inspection services for this project. We have also prepared comprehensive asbestos abatement plans and specifications. PSI will also oversee the demolition activities. Mr. Raether is a Senior Engineer for this project.
- Milwaukee County House of Correction Training Placement Center. PSI provided pre-demolition asbestos inspection services, abatement plans and specifications, and abatement oversight for this project. Mr. Raether was the lead Engineer for this project.
- Private clientele. Mr. Raether provides daily guidance to developers, property managers, etc. regarding asbestos, lead-based paint and industrial hygiene concerns.

Representative Phase I/II Environmental Site Assessment Project Experience

- PSI's Waukesha Wisconsin office performs 40 to 80 Phase I ESA's annually. Mr. Raether is responsible for the overall oversight of these Phase I ESA's.
- Milwaukee Public Schools. Milwaukee Public Schools plans to construct an addition to an elementary school, which is constructed on a historic fill site. In order to do this, an exemption is required from the Wisconsin Department of Natural Resources. PSI was retained to perform the necessary soil, groundwater and methane gas assessment on the property and to fill the exemption request. The exemption was granted. Mr. Raether was the project manager for this project, as well as the Senior Technical Professional.
- Carroll College. Carroll College plans to resurface an athletic field, which is constructed on a historic fill site. In order to do this, an exemption is required from the Wisconsin Department of Natural Resources. PSI was retained to perform the necessary soil, groundwater and methane gas assessment on the property and to fill the exemption request. The exemption was granted. Mr. Raether was the project manager for this project, as well as the Senior Technical Professional.
- Wisconsin Lutheran College. Wisconsin Lutheran College purchased approximately 30-acres of land from Milwaukee County to be developed for an athletic complex/fields. Part of the property included the Milwaukee County Greenhouse. Past uses of this area for this purpose resulted in releases of petroleum products and pesticides. PSI developed site specific cleanup standards for the pesticides of concern and assisted the client in properly managing contaminants during construction. Mr. Raether was the project manager for this project, as well as the Senior Technical Professional.

- American Tower Corporation. PSI's Waukesha Wisconsin office performed over 20 FCC NEPA Assessments for American Tower Corporation for new and/or existing cellular communication towers located throughout Wisconsin. PSI also performed either a Phase I ESA or Environmental Transaction Screen for each of these sites. PSI also completed Phase II ESA services on approximately ten percent of these projects. Mr. Raether was the project manager for these projects, as well as the Senior Technical Professional for the Phase II Work.
- Ameritech Wireless Communication, Inc. PSI's Waukesha Wisconsin office completed over 150 FCC NEPA Assessments for Ameritech Wireless Communication on existing cellular communication towers located throughout Wisconsin. The work, which included a visit of each site, record research at SHPO, interviews with current property owners, etc. was completed in approximately three months. Mr. Raether was the project manager for these projects.
- L.J Melody & Company. PSI completed a comprehensive Phase I Environmental Site Assessment of the former Allis Chalmers Industrial facility located in West Allis Wisconsin. The subject property was over 40-acres in size and included manufacturing buildings totaling approximately 900,000 square feet. The age of the facility, along with the property and adjacent property use required an experienced firm. Results of the Phase I ESA lead to supplemental environmental actions associated with underground storage tanks and asbestos. Mr. Raether was the project manager for these projects.
- Irgens Development Partners, LLC. PSI completed a comprehensive Phase I Environmental Site Assessment of the Milwaukee Technical High School. Supplemental environmental services resulting from the Phase I ESA findings included Phase II Environmental Site Assessments and the development of a Material Handling Plan, which was implemented during the subsurface excavation work for the new Lynde & Harry Bradley Technical & Trade School. This high profile project involved intense coordination with the client, environmental attorneys, Milwaukee Public Schools, the City of Milwaukee, and the Wisconsin Department of Natural Resources. The implemented Materials Handling Plan realized a cost savings of several hundred thousand dollars. Mr. Raether was the project manager for this project, and developed the site-specific Materials Handling Plan.
- Municipal Work. PSI also provides Phase I and II Environmental consulting services to the public sector. Mr. Raether has managed several such projects for the Housing Authority of the City of Milwaukee, Milwaukee County, and Waukesha County, among others. One such project was the Milwaukee County House of Correction Training Placement Center. This facility, which has since been razed, included twelve buildings on a ten-acre parcel. The Department of Army had originally used the property for a Nike Missile Site Housing Facility and Control Area. PSI also provided asbestos consultation services for this project.

Representative Remediation Project Experience

- Irgens Development Partners, LLC. Mr. Raether developed a site specific Materials Handling Plan for the new Lynde & Harry Bradley Technical & Trade School located in Milwaukee, Wisconsin. The plan called for the on-sight monitoring and segregation of excavated materials into four categories. The excavation activities were completed over an approximate six-week period, with over 50,000 tons of material being removed.
- Mr. Raether has performed numerous comprehensive remedial feasibility studies. The intent of these studies was to determine effectiveness of groundwater pump and treat, soil vapor extraction, and air sparge technologies. If feasible, this data was then used to determine design parameters and equipment needs for the selected remedial methodology. Mr. Raether has approximately three full years of experience in feasibility/remedial design work. He has worked on approximately 20 such projects.

- Confidential Client; Slinger Wisconsin. Mr. Raether designed and operated an in-situ product recovery system coupled with soil vapor extraction technology. The system consisted of eight recovery wells, free product recovery equipment, an air stripper, and carbon canisters. The system was operated in a phased approach such that the SVE emissions did not require treatment prior to discharge. The selected treatment equipment was also adequate to keep the water effluent below discharge requirements. The system operated for approximately two years. Post remedial investigations revealed no remaining product and a substantial reduction in soil and groundwater impacts.
- Confidential Client; Eau Claire, Wisconsin. Mr. Raether designed and operated an in-situ air sparge and soil vapor extraction system. The system consisted of 21-SVE and 23-air sparge wells. The system was designed to operate in a phased approach, with a barrier wall, and two other areas concentrating on the most highly impacted soil and groundwater. The system also included remote control monitoring software, which allowed Mr. Raether the ability to shut down series of wells and increase/decrease pressure and vacuum levels from a remote location. The system exceeded clean-up objectives.
- Confidential Client; Madison, Wisconsin. Mr. Raether designed and operated an in-situ air sparge and soil vapor extraction system. The system consisted of seven-SVE and 13-air sparge wells. The system satisfied cleanup objectives in eighteen months of operation. The case has received regulatory closure.
- Confidential Client; Wautoma, Wisconsin. Mr. Raether designed and operated a groundwater pump and treat and soil vapor extraction system. The system was designed to handle a groundwater flow of 60 gallons per minute. The system was operated to produce a drawdown suitable to expose the otherwise saturated smear zone soils to SVE. The system included a tower-based air stripper and carbon canisters. The system satisfied cleanup objectives in eighteen months of operation. The case has received regulatory closure.
- Soil Excavations. Mr. Raether has completed numerous soil excavation projects. These projects have been performed for UST closures, surficial spills, and new construction where adverse impacts are identified during the construction work.

Years experience with other firms: 6
Year started with PSI: 1998

Résumé**Paul J. Koszarek, P.E.**

Department Manager-Geotechnical Engineering

Education

BS/1997/Geological Engineering/University of Wisconsin – Madison

Registrations/Certifications/Technical Training

Professional Engineer: Wisconsin #36708-006

Professional Engineer: Minnesota #44442

Professional Engineer: Illinois #062-058563

Foundation and Retaining Structure Design: University of Wisconsin, 2001

Memberships/Affiliations

American Society of Civil Engineers (ASCE)

Professional Experience

Mr. Koszarek is the Department Manager of Geotechnical Engineering for PSI's Milwaukee, Wisconsin office. He has more than 9 years of experience in the performance and management of Geotechnical Engineering and Construction Services. During his career, Mr. Koszarek has had extensive experience with subsurface soil conditions and construction projects located throughout Wisconsin, Minnesota and Illinois. Mr. Koszarek has prepared detailed reports of geotechnical explorations concerning deep and shallow foundation systems, evaluation of bearing capacity and settlement, preloading of compressible soil strata, subgrade reaction moduli for mat and floor slab foundation design, retaining structure design, IDOT and WISDOT pavement section design, excavation safety, groundwater control, below grade water tight structures, subgrade preparation, stabilization and rectification, and construction of detention ponds. Mr. Koszarek has served as project manager, client contact, and geotechnical engineer on a wide variety of commercial, industrial, private, and municipal projects including large road reconstruction projects, high rise buildings, apartment complexes, communication towers, hospitals, schools, hotels, waste water treatment facilities, and large subdivision developments. Mr. Koszarek also has extensive experience overseeing and performing construction services including testing of concrete quality control, steel inspection, asphalt quality control, soil testing and the installation of shallow and deep foundation types.

Representative Construction Inspection & Testing Project Experience

- Kildeer Middle School Project, Kildeer, Illinois-Mr. Koszarek served as Project Manager and Staff Engineer on this project measuring approximately 250,000 square feet. The site was initially a challenge due to wet fill sources and very strict compaction requirements. However, through moisture-density control of the soils during placement, these challenges were overcome. Mr. Koszarek performed and oversaw construction services including initial proof-rolling of the subgrades, compaction testing of the fill, foundation excavations, concrete quality control, frost monitoring, and asphalt quality control.
- St. Mary's Women and Children's Center, Racine, Wisconsin-Mr. Koszarek served as Project Manager and Senior Engineer for this project involving several large additions to an existing hospital. He performed the foundation excavations and proof-rolling for the parking lot subgrades, while overseeing the construction services portion of the project. Some challenges overcome on this project include the stabilization of wet subgrade soils in the parking lot area which required stabilization.

Representative Geotechnical Engineering & Drilling Services Project Experience

- St. Mary's Women and Children's Center, Racine, Wisconsin – Project Manager and Senior Engineer for this multi-story addition to an existing hospital. Due to the high loading imparted by the structure, pressure meter testing was performed in the natural glacial clay deposits in order realize the higher in

situ bearing capacities. Due to the pressure meter testing more than 2,000 psf was added to the recommended bearing capacity, saving our client thousands of dollars in concrete foundation costs.

- Strawberry Creek Golf Course and Housing Development, Kenosha, Wisconsin – Served as Project Manager and Senior Engineer for the geotechnical exploration completed for a proposed golf course and housing development totaling more than 300 acres. More than 100 test borings were completed to varying depths. Mr. Koszarek led the project team to recommend boring and monitoring well depths and locations, to fit our clients needs and to project completion including engineering analysis and site preparation. Several challenges overcome on this project included a high water table with unstable soils and a short project time frame.
- Roundy's Distribution Center, Oconomowoc, Wisconsin – Served as Project Manager and Senior Engineer for this 950,000 SF Distribution Center with a 1.2 Million SF pavement area. More than 55 borings and 10 monitoring wells were installed on this project. An overall bearing capacity for the structure was a special challenge due to the large footprint of the building, changing site grades, and differing soil conditions. Additionally, PSI recommended pavement sections for the several different traffic loading scenarios and offered alternatives to using off-site gravel sources. In addition to the geotechnical exploration phases of the project, PSI also installed and tested several double ring Infiltrometer tests throughout the project site.

Representative Pavement Evaluation & Consulting Project Experience

- Butterfield Road Improvements, Libertyville, Illinois – Served as Project Manager and Senior Engineer for the geotechnical exploration of the road widening and reconstruction of over 2 miles of Butterfield Road. Some of the road expansion was planned to replace existing wetlands where compressible soils were present. Mr. Koszarek performed and completed the engineering analysis of the specialized soil testing required to provide recommendations for the impacted areas of the proposed roadway including unconsolidated undrained shear strength testing, consolidation testing, and laboratory Illinois Bearing Ratio tests. Recommendations were provided to preload the compressible soils by installing wick drains and engineered fill. In addition to the road expansion, Mr. Koszarek also provided recommendations for the construction of several retaining walls used to retain the embankment for the road.
- Wilson Road Improvements, Big Hollow, Illinois-Served as Project Manager and Senior Engineer for the geotechnical exploration of the road widening and reconstruction of over 2 miles of Wilson Road. Due to the small right of way in this area, several large retaining walls were planned in order to limit the lateral expansion of the proposed embankments. Some of the widening areas as well as their respective retaining structures were proposed in wetland areas which required detailed settlement and bearing capacity estimates. Dynamic cone penetrometer data and laboratory testing of the subgrade soils were also used to provide subgrade rectification as well as a detailed IDOT pavement section design.
- Spring Prairie Road Improvements, Spring Prairie, Wisconsin – Mr. Koszarek served as Project Manager and Senior Engineer for the geotechnical exploration used to evaluate the current condition of several failed roads contained within the Town of Spring Prairie. During the exploration dynamic cone penetrometer data was used in concert with standard penetration testing and laboratory test data in order to provide subgrade preparation recommendations and parameters used to design the pavement reconstruction sections.

Years experience with other firms: 6

Year started with PSI: 2003

PROFESSIONAL SERVICE INDUSTRIES, INC.
Schedule of Services and Fees
Effective December 11, 2009

Construction Materials Testing

Laboratory Testing Services

Laboratory Technician to perform various laboratory tests on concrete, grout, mortar, soils and asphalt Per Hour \$ 35.00

Field Testing Service

Engineering Technician Services

- Concrete Inspection & Testing
- Field density testing for compaction control
- Reinforcing steel inspection
- Foundation Inspection
- Subgrade Inspection
- Caisson inspection/Pile driving monitoring
- Visual Weld Inspection/Bolting Inspection
- Masonry Inspection
- Field density testing asphaltic concrete

Per Hour within 50 miles \$ 40.00
Per hour greater than 50 miles \$ 50.00

Structural Steel/NDE Technician Services

Certified welding inspector/NDE technician for shop and field testing Per Hour within 50 miles \$ 90.00
Per Hour greater than 50 miles \$ 100.00

Engineering Services

Engineering services for test evaluation, report preparation, contract administration, job site meetings and consultation. (Typically 1/2 to 1 hour per technician per day)

• Principal Engineer	Per Hour	\$ 120.00
• Project Engineer	Per Hour	\$ 80.00
• Staff Engineer	Per Hour	\$ 70.00

Environmental Services

Professional Services

Professional services for site evaluation, field supervision, analysis of test data, and engineering recommendations and consultation. Rates will be the same for within 50 miles and greater than 50 miles

• Environmental Technician	Per Hour	\$ 79.50
• Project Engineer/Geologist/Scientist	Per Hour	\$ 104.00
• Senior Engineer/Geologist/Scientist	Per Hour	\$ 118.00
• Principal Consultant	Per Hour	\$ 154.00
• Chief/Regional Engineer/Scientist	Per Hour	\$ 170.00
• Drafting	Per Hour	\$ 67.00
• Clerical	Per Hour	\$ 53.00

Geotechnical Services

Professional Services

Professional services for site evaluation, field supervision, analysis of test data, and engineering recommendations and consultation. Rates will be the same for within 50 miles and greater than 50 miles

• Staff Engineer	Per Hour	\$ 65.00
• Project Engineer	Per Hour	\$ 90.00
• Senior Engineer	Per Hour	\$ 110.00
• Chief Engineer	Per Hour	\$ 160.00
• Principal Consultant	Per Hour	\$ 130.00