

MEMBERS OF THE
NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS
 SDES EASTERN CHAPTER NEWSLETTER
 PO BOX 1512 SIOUX FALLS, SD 57101 | WWW.SDES.ORG

NSPE-SD EASTERN CHAPTER
 SOUTH DAKOTA
 ENGINEERING SOCIETY

INSIDE THIS ISSUE

PRESIDENT'S COLUMN	1
TREASURER'S REPORT	2
UPCOMING EVENTS	3
ANNUAL CONFERENCE	4
AWARD WINNERS	5-7
SCHOLARSHIPS	8-9
NEW MEMBER	10
WEBEX LOGIN	11
ADVERTISEMENTS	12-14

WebEx: Our upcoming monthly presentations will be broadcast on WebEx so please plan on tuning in on the web to socially distance. See the instructions for how to use WebEx on page 11 of this newsletter.

WELCOME TO OUR NEW MEMBERS

Vanessa Victor
Isaac Schreurs
Paris Marcy



PRESIDENT'S COLUMN

BY BEN SCHOLTZ, PE

Well, in typical South Dakota fashion, March weather exhibited its usual rollercoaster of temperature and precipitation fluctuations. The absence of the usual St. Patrick's Day events was certainly a letdown, but hopefully you all found a way to celebrate your inner Irish heritage with a Guinness or some Riverdancing! Fortunately with the fair (ish) weather, some have gotten an early start on our favorite "season" - Construction! I'm sure many of us hope this Construction season can be as favorable as the last.

Thank you to everyone that attended our February virtual meeting and awards ceremony. Congrats to the well deserved award winners! You can read more about the winners later in the newsletter. Thank you to Shannon Ausen and Harry Johnston for the presenting at the meeting.

Welcome to our newest members: Vanessa Victor, Isaac Schreurs, and Paris Marcy.

The next event is the Annual Conference and it is approaching us soon. It will again be virtual and hosted by the Black Hills Chapter. If you haven't, I strongly encourage registration as the lineup for presenters looks excellent AND they're giving away SWAG BAGS!...who doesn't want a SWAG Bag, honestly? Although our typical meeting operations often go on hiatus over the summer, I do hope we could consider offering a couple more virtual presentations yet this spring or into the summer in hopes to "make-up" for our lack of meetings in 2020.

TREASURER'S REPORT

BY SCOTT LAVOY, PE

Previous General Fund Balance 2/11/2021 \$ 22,201.38

Deposits:

Interest Payment \$ 0.21
Total: \$ 0.21

Expenses:

Awards Plaques \$ (246.43)
Total: \$ (246.43)

Total General Fund Balance: \$ 21,955.16

Previous Scholarship Fund Balance 2/11/2021 \$ 5,860.19

Deposits:

None
Total: \$ -

Expenses:

None
Total: \$ -

Total Scholarship Fund Balance: \$ 5,860.19

Total Account Balance 3/18/2021 \$ 27,815.35



UPCOMING EVENTS

- The 2021 Annual Conference will be held virtually on April 15th – 16th, 2021. The conference will be hosted by the Black Hills Chapter.
- Early registration ends April 1st
- Online registration is available at: [South Dakota Engineering Society - 2021 SDES 60th Annual Conference](#)
- Contact Nancy Hoines for any questions.

April 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Thank you for renewing your newsletter sponsorships. **Newsletter advertisements** are available throughout the entire year, so if you don't see your company listed, Contact Nancy Hoines for more information. Phone: 605-951-1004,

2021 SDES 60TH ANNUAL CONFERENCE



The South Dakota Engineering Society Annual Conference Is Going Virtual!

SDES is pleased to announce our second virtual conference! We're excited to connect our members, colleagues and partners with an exceptional line up of educational opportunities, industry presentations and even all the conference 'swag' you would get at our in-person conference! SDES is committed to offering you the same outstanding conference experience the South Dakota engineering industry has come to expect from SDES over the last 60 years.

Visit the Conference website by clicking [here](#).

With over 11 hours of interactive PDH and 23 educational sessions, Two-Minute Teasers by industry partners, Keynote Speakers, an Awards Ceremony and more -- it's going to be an action packed couple of days! And, if you can't make all the sessions, most will be recorded and available for viewing after the live conference.

See the complete schedule by clicking [here](#).

One of the biggest benefits of attending the SDES Annual Conference is the opportunity to interact with our many industry partners, including suppliers, equipment experts, firm and agency staff and the many other industry experts. With the virtual format, SDES is offering a variety of new opportunities for vendors, sponsors and partners.

Visit the Vendor, Sponsor and Partner page by clicking [here](#).

Not an SDES/NSPE Member? Join SDES/NSPE today and receive \$105 off your registration! Find out more about membership and join [here](#).

Questions?

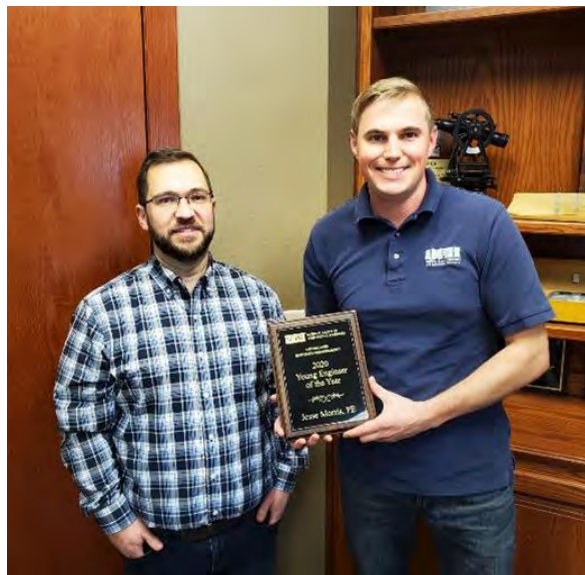
If you have any other questions, please contact Nancy at the SDES office at 605.951.1004 or sdengineeringsociety@gmail.com.

ENGINEERING AWARDS

WES PHILIPS, PE

Eastern Chapter Award Winners were recognized during the Monthly Meeting and Virtual Awards Ceremony on Friday, February 26, 2021:

The **Young Engineer of the Year** award was presented to **Jesse Morris, PE**. Jesse graduated from SDSM&T with a Bachelor of Science in Civil Engineering in 2011. Within SDES, Jesse has been a member of the scholarship committee and served as the South Dakota State Coordinator for MATHCOUNTS since 2014. Jesse is a Project Manager in the Sioux Falls office of DGR Engineering and works on a variety of private and municipal projects throughout design and construction. He is a certified remote pilot and his drone pictures have been included in several winning project nominations.



Wes Philips (City of Sioux Falls), Jesse Morris (DGR)

The **Engineer of the Year** award was presented to **Phil Gundvaldson, PE**. Phil graduated from SDSU with a Bachelor of Science degree in Civil & Environmental Engineering. Within SDES, Phil has served as State Secretary/Treasurer, Eastern Chapter Vice President as well as President and Past President of both the Eastern Chapter and State Society. He has been very involved with the MATHCOUNTS competition and served as the chair from 2008-2016. Phil has also been active with NSPE, serving in the House of Delegates, Candidate Screening Committee for Vice President and Membership Subcommittee. Phil is a Project Manager and Vice President of Infrastructure Design Group, Inc. with extensive experience in design/management of transportation and utility public and private projects.



Chad Hanisch (IDG), Phil Gundvaldson (IDG)

ENGINEERING AWARDS WES PHILIPS, PE

The Outstanding Engineering Achievement awards were presented to HDR and teams for the Brandon Core Area Reconstruction Phase 1 and I-229/26th Street/Southeastern Avenue/Rotary Park projects. See below for more information on the projects.

The \$6.2M Brandon Core Area Reconstruction Phase 1 project consisted of a 17-block complete roadway and infrastructure reconstruction project that included addition of sidewalk, new water main, sanitary sewer, LED street lighting, site work and water quality improvements through infiltration. The project involved a great amount of communication with homeowners to discuss utility connections, water service outages and new sidewalk installation. The COVID-19 pandemic required new strategies for communication, including use of text messaging, City website, You Tube, Facebook, mailings and newspaper articles instead of traditional public meeting presentations and in-person meetings. The project incorporated Low Impact Development strategies, such as use of infiltration basins to capture and infiltrate overland flow from the street and adjacent properties. The overall width of the street was reduced without changing the overall function, which reduced construction and maintenance costs in addition to promoting reduced speeds. This project updated the City of Brandon's neighborhood infrastructure in a sustainable way, while improving connectivity and community through addition of sidewalks.



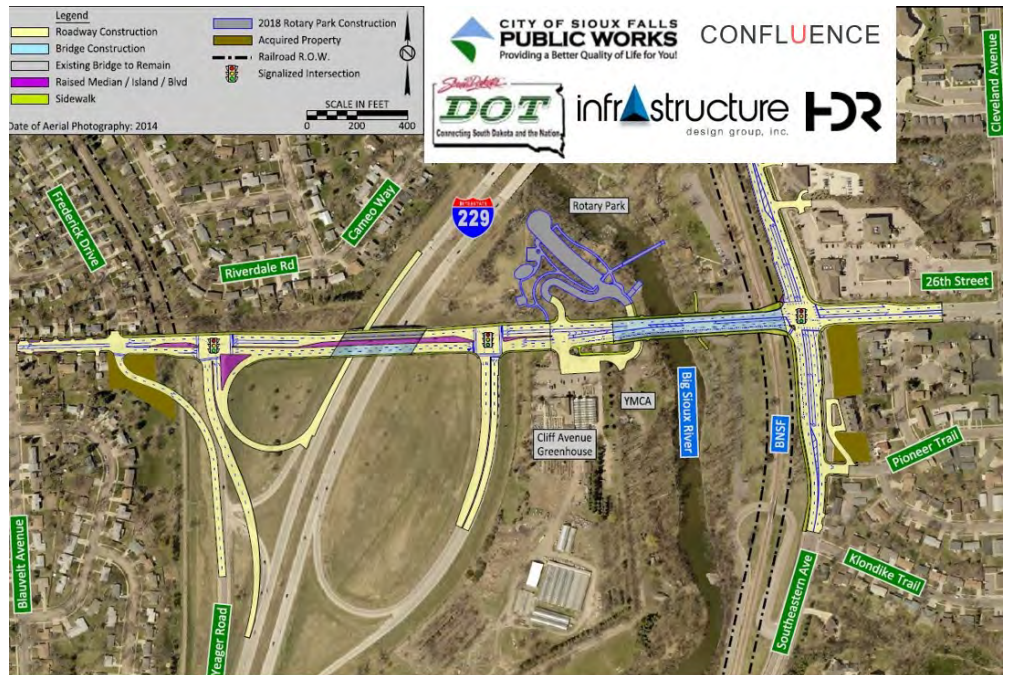
*Lyle Pudwill
(Confluence)*



*From Left: Todd Mergen (HDR), Tami Jansma (Brandon),
Christina Smith (Brandon), Paul Sanow (HDR)*

ENGINEERING AWARDS (CONTINUED) WES PHILIPS, PE

Construction of the I-229/26th Street/Southeastern Avenue/Rotary Park project is one of the largest roadway projects in Sioux Falls' history. The project was a solution to safety and congestion issues related to an at-grade railroad crossing and a non-standard interchange configuration. The team used innovative design-based renderings and animations to illustrate the finished project, which was especially helpful to communicate the dramatic changes being proposed. Maintaining traffic on 26th Street while the new 650' long, 95' wide bridge over the Big Sioux River and railroad tracks made the project especially complex. The project also reconfigured and improved the adjacent Rotary Park and connection to the Sioux Falls bike trail system. This exciting project will help keep the east side of Sioux Falls moving and growing!

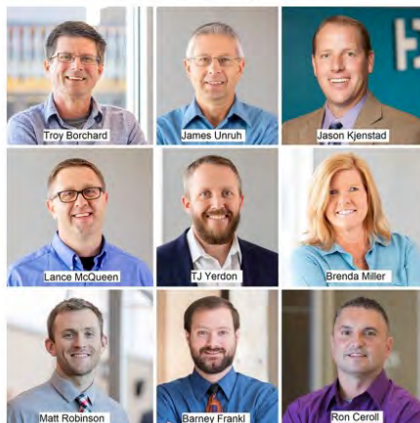


The Eastern Chapter will nominate all award winners to the State SDES competition. State award winners will be presented virtually at the SDES Annual Conference April 14-16, 2021. Good luck to our Eastern Chapter winners!

I-229 / 26th Street & Southeastern Avenue + Rotary Park



CONFLUENCE



infrastructure
design group, inc.



SCHOLARSHIP WINNERS

LANCE MAYER, P.E.

As part of the 2020-2021 scholarship program, the SDES-Eastern Chapter awarded three \$2000 Engineering Scholarships out of 34 applicants to the following high school seniors:

Annaliese Braucht, from Beaver Creek, MN is ranked 1st in her class at Brandon Valley High School and participates in several extracurricular activities including ballet, teaching dance, lead roles in productions, BSA Scouts for females, school clubs, National Honor Society, band, and choir. Annaliese's most satisfying achievement is her time spent as a professional ballet dancer for which she spent time with ballet companies such as the Royal Winnipeg Ballet, the Kansas City Ballet, and the CCA International Summer Program. She has put thousands of hours and forfeited many other experiences in order to pursue ballet. Through dance, she has been able to travel and develop friendships with teachers and fellow dancers all around the world. As a student driven by an ever-present curiosity, she plans to use her creative, out-of-the-box thinking and analytical application of mathematics and science to pursue a career in engineering. Annaliese plans on attending South Dakota School of Mines and Technology to study Biomedical Engineering.



Chloe Hass, from Chester, SD, attends Chester Area High School where she participates in several activities, including plays, drama club, band, orchestra, chorus, and yearbook along with several hours volunteering with her church and peer mentoring. Chloe has enjoyed building things from the time she was a little girl which included taking her toys apart and putting them back together. When she was in middle school, Chloe purchased an antique Maytag washing machine motor from the 1930's. After making repairs to the motor (fixing a cylinder that was stuck to free up the flywheel), she had it professionally painted pink and added an exhaust stack like that of an old tractor. Now she brings it to Prairie Village Jamboree where anyone can see it and enjoy it as much as she does. Whenever Chloe sees a working machine, she likes to visualize the mechanics of the machine to figure out how and why it works. Chloe plans on attending South Dakota State University to study Mechanical Engineering.

SCHOLARSHIP WINNERS, CONTINUED

LANCE MAYER, P.E.

Rana Hegg, from Webster, SD, has excelled academically as a senior at Webster Area High School and is 1st in her class. She has been involved in cross country, track, key club, 4-H, Family, Career and Community Leaders of America (FCCLA), student council, robotics, church council and National Honor Society. Rana's achievement that she is most proud of is completing a full marathon. She proved to herself that with her determination she could do anything she set her mind to no matter how difficult the task. Rana's interest in engineering stemmed from her love for building things. While most of her friends wanted to play with their dolls, Rana would rather build her dolls something to live in. Today she is always looking for solutions to everyday problems as she finds the challenge enjoyable and rewarding. Rose will be pursuing a Civil Engineering degree at the South Dakota School State University.



Also, in 2020, the Eastern Chapter sponsored a \$450 Engineering Scholarship which was made available through a permanent endowed fund held within the South Dakota Community Foundation. **Eliza McCallum** was the recipient selected by the Scholarship Committee and she presently attends South Dakota School of Mines and Technology planning to major in Civil Engineering.

Congratulations to all of this year's SDES Eastern Chapter Scholarship Recipients!

Cody Woessner

HDR

101 S Phillips Ave Suite 401,
Sioux Falls, SD
cody.woessner@hdrinc.com



College and Major:

South Dakota State

Civil Engineering



Born in Sioux Falls, SD. Graduated from Brandon Valley High School in 2014. Graduated from South Dakota State University in 2018. Interned at American Engineering Testing in summer of 2017. Worked at KLJ in Sioux Falls from June 2018 to January 2020. Now works at HDR in Sioux Falls since January 2020.

Family: Mom, Dad, 1 younger brother and 1 younger sister

Hometown: Brandon, SD

Job Title and Years With Firm: Transportation EIT, 1 yr 2 mo

My Normal Breakfast: None

Hobbies: Golf, Pickleball, Videogames, Snowboard, Wakeboard

My Best Personality Trait: Friendly

Pets: 1 yellow lab, Bailey

Favorite beverage: Water

Favorite TV Show: Ozark

Favorite Season: Summer

People may not know about me... I love ketchup

What made you want to be an engineer? I was good at math and science

What do you like best about being an engineer? Seeing a designed project be built

Describe an achievement from the past year you are proud of. Hole-in-one at Spring Creek

What are you looking forward to in the next year? A long golf season

I hate it when... I miss my birdie putts

Favorite Place to Visit and Why: Boot Lake, MN. We have our annual family vacation there, and it is always so fun.



2020-2021 OFFICERS AND CHAIRPERSONS

Officers

President	Ben Scholtz, PE
President Elect	Gabe Laber, PE
Vice President	Josh Peterson, PE
Secretary/Treasurer	Scott LaVoy, PE
Chapter Director(1st term)	Kari Johnson PE
Chapter Director(2nd term)	Riley Rinehart, PE
State Director	Devin Clay, PE
Past President	Krista May, PE

Committees

Nominating Committee	Lee Kaffar, BA
Mathcounts	Krista May, PE
Scholarship	Lance Mayer, PE
Events Coordinators	
E-Week	Erin Steever, PE
Winter Social	Gabe Laber, PE
Golf Outing	Gabe Laber, PE
Awards Banquet	Jedidiah Reimnitz, PE
Awards	Wes Philips, PE
Audio/Visual IT	Chad Stensland, PE
Newsletter	Abby Nelson, PE
Membership List	Myron Adam, PE

Eastern Chapter of SDES Goals

- To promote the licensed practice of engineering and to provide learning opportunities that enable licensed engineers to maintain practice competency;*
- To maintain high ethical standards for the practice of engineering and lead the profession in adhering to these principles:*
- To protect the public health, safety, and welfare; while being good stewards of the environment;*
- To incorporate engineering principles and perspectives in government decisions that protect the public; and*
- To consider community service a professional obligation.*

SDES Mission Statement

SDES is the state society of engineers from all disciplines that promotes the ethical and competent practice of engineering, advocates licensure, enhances the image of its members, and advocates legislation and public policy for the betterment of human welfare and the profession.

Webex Login Instructions

Next meeting will be the Annual Conference hosted by the Black Hills Chapter on Thursday April 15th and Friday April 16th. Once you are registered, watch for more information on how to log on.

For any and all newsletter articles, additions, edits, corrections, and important dates contact:

Abby Nelson, PE
 HDR
 101 S. Phillips Avenue, Suite 401
 Sioux Falls, SD 57104
 605-977-7753
 Abby.Nelson@hdrinc.com

For all *State Society* membership information and other business, contact:

Nancy Hoines
 SDES Executive Director
 PO Box 1076
 Pierre, SD 57501
 605-951-1004
 sdengineeringsociety@gmail.com

Ideas transform communities



Sioux Falls 605.977.7740

Rapid City 605.791.6100

hdrinc.com



HRGREEN.COM

Since 1913, HR Green has provided solutions that build communities and improve lives.

▷ 431 N. Phillips Avenue | Suite 400 | Sioux Falls, SD 57104

▷ Phone 605.334.4499

TRANSPORTATION + WATER + GOVERNMENTAL SERVICES
LAND DEVELOPMENT + ENVIRONMENTAL + CONSTRUCTION

KLJENG.COM



ENGINEERING, REIMAGINED

www.bannerassociates.com

Brookings

Sioux Falls

Vermillion

Milbank

Rapid City

Toll Free
1.855.323.6342

Civil/Transportation
Municipal Engineering
Land/Site Development
Water Treatment, Storage & Distribution
Wastewater Collection & Treatment
Water Resources
Surveying



The **FUTURE**. Built Smarter.

Clark Engineering is now IMEG.

Proud to serve South Dakota. We put relationships and communities first without sacrificing expertise.

Civil Engineering | Land Surveying | Landscape Architecture | Environmental Services

WWW.CLARK-ENG.COM | WWW.IMEG.CORP.COM



SERVICES

- Piling and deep foundations
- Pedestrian bridges
- Soil retention and cofferdams
- Bridge repair
- New bridges
- Historical bridge restoration
- Box culverts
- Structural concrete
- Epoxy overlay
- Wastewater treatment



OFF SEASON IS THE RIGHT SEASON

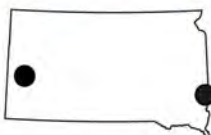
The Leading Distributor of Water, Sewer & Storm Drain Products & Services



WE'RE ALL ABOUT South Dakota

Rapid City
2808 E. Hwy. 44
(605) 716-9427

Sioux Falls
2101 E. 54th St. North
(605) 339-2814



Local Knowledge | Local Experience | Local Service, Nationwide®



WE ARE ULTEIG
Delivering engineering and technical services to Lifeline Sectors® vital to everyday life.

5701 S Corporate Place, Suite 1
Sioux Falls, SD 57108
605.323.2306

www.ulteig.com | We Listen. We Solve.®

LASTING PRECAST SOLUTIONS FOR AMERICA'S INFRASTRUCTURE



Hancock[™]
www.hancockconcrete.com

Sioux Falls, SD | Devils Lake, ND
Lake View, IA | Hancock, MN
Cannon Falls, MN | Courtland, MN | Moorhead, MN

CEMCAST
PIPE & PRECAST

SOUTH DAKOTA'S PREMIER PIPE & PRECAST PRODUCER

26088 466th Avenue • Hartford, SD 57033 • cemcast.com

infrastructure
design group inc.

Sioux Falls | Watertown | Mitchell
605-271-5527
▲ InfrastructureDG.com



Structural Engineering | Municipal Engineering
Transportation Engineering/Planning | Water Resources | Site Development
Land Surveying | Construction Observation | Parks & Recreation

ESS BROTHERS & SONS, INC. 

PREVENT INFLOW/INFILTRATION



Infi-Shield **Gator Wrap** **Flex-Seal**

9350 County Road 19 Phone: 763-478-2027 Fax: 763-478-8868
Loretto, MN 55357 website: www.essbrothers.com

B BIRSCHBACH
EQUIPMENT & SUPPLY

Geogrids, Geotextile Fabrics,
Gabions, Erosion Control, Geocell.
We have a Solution for your Problem.
Let Us Help You Today!
Sioux Falls 605-332-4466 Rapid City 605-348-6440

Sayre Associates

Vibration Monitoring,
Construction Administration,
Civil Engineering & Land Surveying
Call us to discuss your project needs!

www.sayreassociates.com • Phone: (605) 332-7211

WPE WEST PLAINS ENGINEERING, INC.

AN ENGINEERING SOLUTION CENTER

MECHANICAL ELECTRICAL PLUMBING POWER

SIoux FALLS, SD ■ RAPID CITY, SD ■ BISMARCK, ND
CASPER, WY ■ CEDAR RAPIDS, IA

westplainsengineering.com

SDRMCA
South Dakota Ready Mix Concrete Association

Jody Titze, PE
Executive Director

5024 S. Bur Oak Place, Ste. 113A, Sioux Falls, SD 57108
office (605) 274-0145 | cell (605) 366-9585
jtitze@sdrmca.org | www.sdrmca.org



**FELSBURG
HOLT &
ULLEVIG**
connecting & enhancing communities

Civil Design
Construction Management
Data Science
Environmental
ITS/Traffic Engineering
Planning
Structures
Transportation Operations/Safety
Water Resources



ENGINEERS SCIENTISTS PLANNERS

SIoux FALLS, SD

Jennica Wilcox, PE | 605.777.1973 WWW.FHUENG.COM



**GEOTEK ENGINEERING
& TESTING SERVICES, INC.**

Resources for Design and Construction

909 East 50th Street North
Sioux Falls, South Dakota
P: 605-335-5512 F: 605-335-0773
www.geotekeng.com

Geotechnical • Construction Materials/NDT
Environmental • Indoor Air Quality/CIH



Designing Solutions
for community growth

As a national leader with long-time relationships in water-focused services, Bartlett & West is your ally for success.



**Bartlett
& West**

5900 S. Western Ave., Suite 101 Sioux Falls, SD www.bartlettwest.com



**MINNEHAHA
COUNTY**




**ROAD TO
ZERO**

Transportation Excellence.



**DGR
ENGINEERING**

Streets • Sewer • Drainage
Water • Airports • GIS
Electrical Power

Trusted. Professional. Solutions.

Four locations including
Sioux Falls, SD
605-339-4157



dgr.com email: dgr@dgr.com  



**AMERICAN
ENGINEERING
TESTING, INC.**

601 East 48th Street North
Sioux Falls, SD 57104
(605) 332-5371
www.amengtest.com

- Geotechnical
- Environmental
- Construction Materials Testing
- Chemistry
- Forensics

Trust Delivered.™



**JSA
ENGINEERS AND
LAND SURVEYORS**

Land Development • Municipal • Streets • Water • Sewer • GPS • Construction Staking

6810 S. Lyncrest Avenue • Suite 101
Sioux Falls, South Dakota 57108-2515
605-367-1036 • Fax 605-367-1002



Elk Point, SD 605.356.2308
Sioux Falls, SD 605.271.8998
Parkston, SD 605.928.7676
Wayne, NE 402.833.1830
Toll Free 800.499.2308

McLaurry Engineering

Professional Engineers & Surveyors

www.mclaurryengineering.com