

DESIGN WORKSHOP

Date: April 2, 2026

Cost: \$25/person

Register online at:
www.TensarCorp.com/Champaign

Purpose & Background:

Whether we are constructing private development or part of the network of public infrastructure, resiliency, sustainability, & longevity are considerations when selecting design methods for those civil engineering applications, including paved and unpaved roads, working platforms, & soil stabilization. Tensar has invested significant resources into research to determine how constructing these structures can provide enhanced performance utilizing a mechanically stabilized layer (MSL). This workshop is intended to provide decision-makers in civil design and construction the tools to address structural performance enhancements, initial & life-cycle cost benefits, & reduced construction timelines.

Topics Include:

- Unique characteristics of Tensar geogrids, & how they enhance & interact with aggregates to create a Mechanically Stabilized Layer that has strength, stiffness & ductility. These characteristics contribute to improved material performance.
- Full-scale research & validation of design methods, including third party review & support of design methods & their predicted outcomes.
- Use of Tensar+ software for design & specification of paved & unpaved roads, working platforms & soil stabilization.

Learning Outcomes:

Confidence & ability to design paved and unpaved roads, working platforms, soil stabilization, & other structures utilizing Tensar+ software with the knowledge that it will address all design criteria pertinent to the project while gaining performance enhancements, initial & life-cycle cost benefits, reduced construction times, & other construction activity benefits, all while addressing resiliency & sustainability.

Registration:

Seating is limited to approximately 30, & registrations will be taken in the order received. Coffee, beverages, & lunch are provided. Dietary restrictions can be accommodated with advance notice.

Please bring an electronic device able to connect to the internet with you to access Tensar+. Upon receiving your registration, you can expect to receive an email confirmation which will include additional details on how to access the design software. **Attendees will receive 5 PDH credits.**

Cost: \$25/person

Location:

Hilton Garden Inn Champaign Urbana
1501 S. Neil St.
Champaign, IL 61820
(217) 359-1151

Speakers



John Gatses, P.E.
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Libby Loeffler, P.E.
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Matt Moore
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Champaign, IL | April 2, 2026

Schedule:

8:30 am: CHECK-IN

9:00 am: Welcome & Objectives

9:10 am: Tensar - A Brief History

- Intro to Geosynthetics
- Geogrid Performance Mechanisms

9:45 am: Tensar+ Intro

10:00 am: BREAK

10:15 am: Design of Unpaved Roads

- Subgrade Stabilization Design Challenge
- Pass a Proof Roll Design Challenge
- Haul Road Design Challenge

11:45 am: LUNCH

12:45 pm: Geogrid Performance Comparisons

1:00 pm: Rail Design

- Sub-Ballast Stabilization Design Challenge

1:25 pm: Working Platform Design

- Crane Pad Design Challenge

1:45 pm: BREAK

1:55 pm: Designing Pave Roads

- Pavement Optimization (Flexible & Rigid Pavement)
- Flexible Pavement Design Challenge

2:55 pm: Closing Comments

3:00 pm: NETWORKING RECEPTION

Attendees will receive 5 PDH credits.