

# DESIGN WORKSHOP

**Date:** March 24, 2026

**Cost:** \$35/person

Register online at:  
[www.TensarCorp.com/Knoxville](http://www.TensarCorp.com/Knoxville)

## 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 7 PDH credits.

**Cost:** \$35/person

## Location:

Courtyard by Marriott Knoxville West/Bearden  
250 Brookview Centre Way  
Knoxville, TN 37919  
(865) 690-7680

## Speakers



**Don Hookom**  
[Donald.Hookomiii@cmc.com](mailto:Donald.Hookomiii@cmc.com)



**David Fuqua, P.E.**  
[David.Fuqua@cmc.com](mailto:David.Fuqua@cmc.com)



**John Bolton**  
[John.Bolton@cmc.com](mailto:John.Bolton@cmc.com)



**Jim Sanneman**  
[James.Sanneman@cmc.com](mailto:James.Sanneman@cmc.com)

## Knoxville, TN | March 24, 2026

### Morning Schedule:

- 8:30 am: CHECK-IN
- 9:00 am: Welcome & Objectives
- 9:15 am: Intro to Geosynthetics
- 9:25 am: Tensar - A Brief History
- 9:35 am: Geogrid Improvement Mechanisms
- 9:50 am: Tensar+ Intro
- 10:00 am: BREAK
- 10:15 am: Design of Unpaved Roads
- 10:35 am: Subgrade Stabilization Design Challenge
- 10:55 am: Proof Roll Design Challenge
- 11:10 am: Design of Working Platforms
- 11:30 am: Working Platform Design Challenges

### Afternoon Schedule:

- 11:50 am: LUNCH
- 12:20 pm: Geogrid Performance Comparisons
- 12:40 pm: Pavement Design Methods
- 1:10 pm: Pavement Optimization with Tensar+
- 1:30 pm: Flexible Pavement Design Challenge
- 2:00 pm: Rail Design Methods
- 2:30 pm: BREAK
- 2:45 Heavy Haul Road Design Methods
- 3:05 pm: Specification
- 3:25 pm: Case Studies/Project Profiles
- 3:55 pm: Closing Comments
- 4:00 pm: NETWORKING RECEPTION

*Attendees will receive 7 PDH credits.*