Tensar
A Division of CMC

WORKSHOP

DESIGN WORKSHOP

Date: October 29, 2025

Cost: $35/person

Register online at:
www.TensarCorp.com/psl

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:

Hilton Garden Inn PGA Village
8540 Commerce Centre Drive
Port St. Lucie, FL 34986
(772) 871-6850

Speakers

George Charalambous, P.E.
George.Charalambous@cmc.com

David Fuqua, P.E.
David.Fuqua@cmc.com

Jim Sanneman
James.Sanneman@cmc.com

Port St. Lucie | October 29, 2025

Morning Schedule:

8:30 am: CHECK-IN

9:00 am: Welcome & Introductions

9:20 am: Workshop Objectives

9:35 am: Intro to Geosynthetics

9:55 am: Tensar - A Brief History

10:15 am: Geogrid Improvement Mechanisms

10:45 am: BREAK

11:00 am: Design of Unpaved Roads

11:30 am: Tensar+ Introduction

11:40 am: Subgrade Stabilization Design Challenge

11:55 am: Proof Roll Design Challenge

12:10 pm: Design of Working Platforms

12:40 pm: Working Platform Design Challenges

Afternoon Schedule:

12:50 pm: LUNCH

1:20 pm: Geogrid Performance Comparisons

1:35 pm: Pavement Design Methods

2:05 pm: Intro to Pavement Optimization with Tensar+

2:15 pm: Flexible Pavement Design Challenge

2:45 pm: BREAK

3:00 pm: Product Submittals/Specification Strategies

3:30 pm: Case Studies/Project Profiles

3:50 pm: Closing Comments

4:00 pm: NETWORKING RECEPTION

Attendees will receive 7 PDH credits.