



Short Span Steel Bridge Workshops

Over the past 10-years, over 5,000 bridge owners and designers have learned about the cost and time advantages of short span steel bridges in SSSBA workshops and conferences throughout North America.

And now, the SSSBA is offering **complimentary** customized educational workshops (on-site or virtual) specifically for county engineers, state DOTs, and design firms. The workshops are taught by industry experts with decades of experience in the cost-effective design and construction of short span bridges.

The workshops can be set up as:

- 1-2 hour webinar on a specific topic.
- 3-4 hour (half-day) workshop to provide practical information on the safe and cost-effective design, detail, fabrication and installation of short span steel bridges.
- 6 hours (full-day) session to provide an in-depth overview of short span steel bridges.

Suggested topics to select from include:

- Practical & Cost-Effective Steel Bridge Design
- Free Design Tools (eSPAN140 and SIMON)
- Pre-engineered Bridge Solutions
- Coating Solutions (galvanized, painted, and weathering steel)
- Accelerated Bridge Construction Options
- Case Studies (from local counties)
- Buried Soil Steel Bridge Structure Alternatives
- Life-Cycle Analysis

Sample Workshop Agenda (can also be altered for a virtual meeting)

4-Hour Workshop Agenda

00:00 (40 min) Introduction, Short Span Steel Bridge Overview & Design Tools (eSPAN140)

00:40 (35 min) Bridge Economy & Life Cycle Costs

01:15 (35 min) Steel Bridge Case Study

01:50 (25 min) Break (networking)

02:15 (35 min) National Steel Bridge Alliance Design Resources & SIMON (design software)

02:50 (35 min) Buried Steel Bridges Design & Construction

03:25 (35 min) Pre-Fabricated Steel Bridges & Accelerated Bridge Construction

04:00 Adjourn

** Each presentation will allow 5-10 minutes of Q&A*

6-Hour Workshop Agenda

00:00 (45 min) Introduction, Short Span Steel Bridge Overview & Design Tools (eSPAN140)

00:45 (40 min) Bridge Economy & Life Cycle Costs

01:25 (35 min) Steel Bridge Case Study

02:00 (25 min) Break (networking)

02:25 (40 min) National Steel Bridge Alliance Design Resources & SIMON (design software)

03:05 (35 min) Practical Detailing, Durability and Steel Protection Systems

03:40 (40 min) Press-Brake Tub Girder Bridges

04:20 (25 min) Break (Lunch?)

04:45 (35 min) Buried Steel Bridges Design & Construction

05:20 (40 min) Pre-Fabricated Steel Bridges & Accelerated Bridge Construction

06:00 Adjourn

** Each presentation will allow 5-10 minutes of Q&A*

Contact Dan Snyder, Director of the SSSBA, for more information (dsnyder@steel.org – 301-367-6179)