

Short Span Steel Bridge Alliance

AL Technology Transfer Center

Dan Snyder

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Steel Market Development Institute

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Outline of Today's Presentation

- 8:30** **Call to Order, Welcome, Seminar Objectives**
Garry Havron, Alabama Technology Transfer Center
- 8:40** **Introductions / Short Span Steel Bridge Alliance Overview**
Dan Snyder, Steel Market Development Institute
- 9:00** **Practical and Cost-Effective Steel Bridge Design & Fabrication**
Chris Garrell, National Steel Bridge Alliance
- 10:00** **Break**
- 10:15** **Online Design Tools - eSPAN140 Demonstration & Design Example**
Dr. Karl Barth, West Virginia University
- 11:15** **Innovative/Accelerated Bridge Construction Options**
Dr. Greg Michaelson, Marshall University

Noon **Lunch**

Outline of Today's Presentation

- 1:00PM** **Buried Soil Steel Bridge Structure Options**
Joel Hahm, Big R Bridge
- 1:45** **Galvanized Coating Solutions**
Melissa Lindsley, American Galvanizers Association
- 2:30** **Break**
- 2:45** **Economical Design / Case Studies**
Dr. Michael Barker, University of Wyoming
- 3:45-4:00** **Seminar Evaluations, Certificates, Adjournment**

Learning Center

Introduction

Steel Advantages

Sustainability

Blog

Research

◆ Conference Materials

Technical Design Resources

INTRODUCTION

STEEL ADVANTAGES

SUSTAINABILITY

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RESEARCH

CONFERENCE MATERIALS

TECHNICAL DESIGN

RESOURCES

Conference Materials

SSSBA Short Span Steel Bridge Workshop | November 18, 2015 | OH

Presentations are being conducted on behalf of the Short Span Steel Bridge Alliance. [Click here](#) for the agenda information.

Director of Business Development, Steel Market Development Institute
"An Overview of the Short Span Steel Bridge Alliance"

Michael Barker, Ph.D., P.E.

Professor of Civil Engineering, University of Wyoming and SSSBA Bridge Technology Center
"Economical Short Span Steel Bridges and eSPAN140"

Karl E. Barth, Ph.D., P.E.

Samples Professor of Civil and Environmental Engineering, West Virginia University
"eSPAN140 Design"

Gregory K. Michaelson, Ph.D.

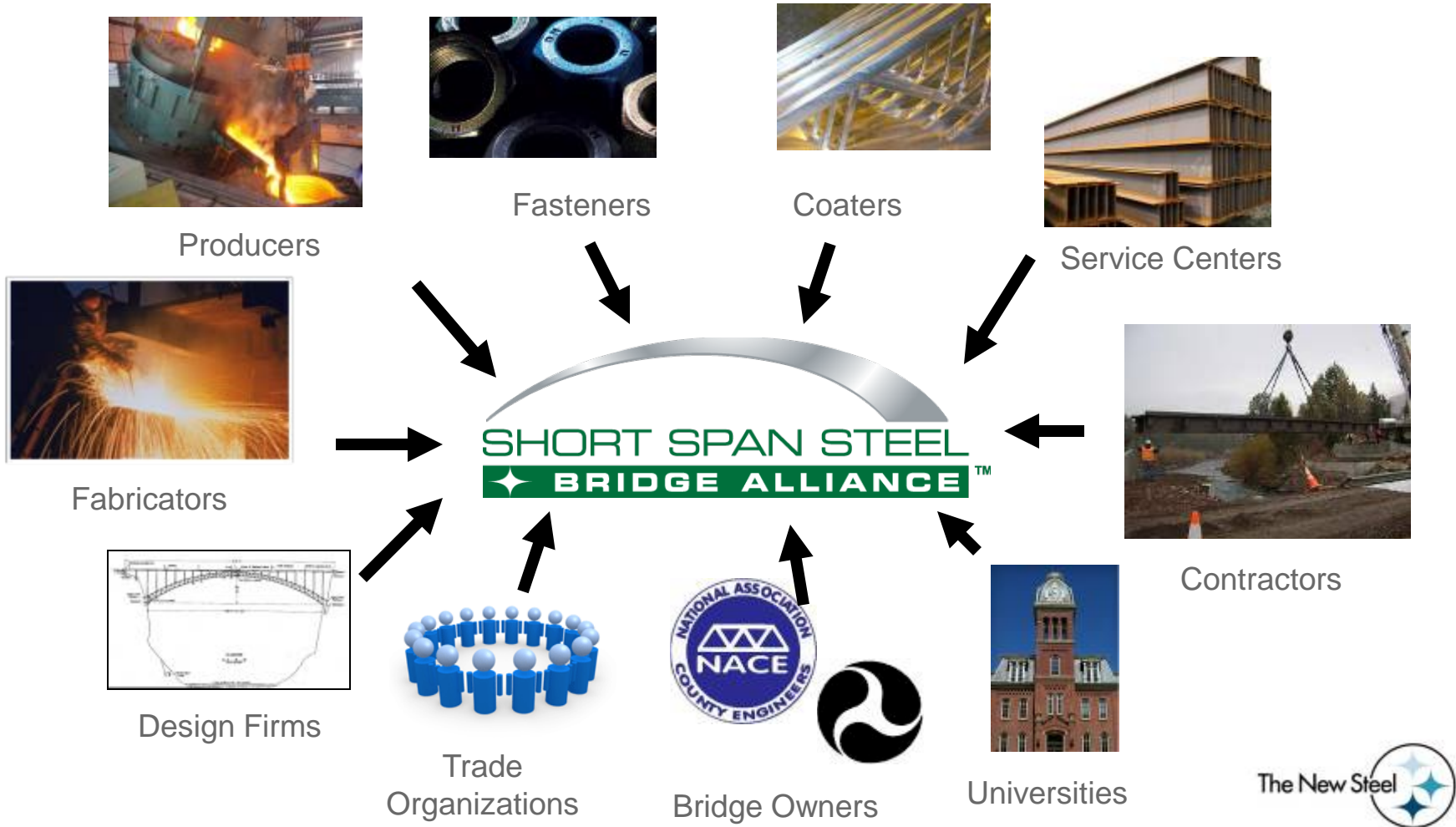
Professor, Weisberg Division of Engineering, Marshall University
"Development of a Modular Press-Brake-Formed Steel Tub Girder for Short Span Applications"

Download copies of today's presentations on the SSSBA website

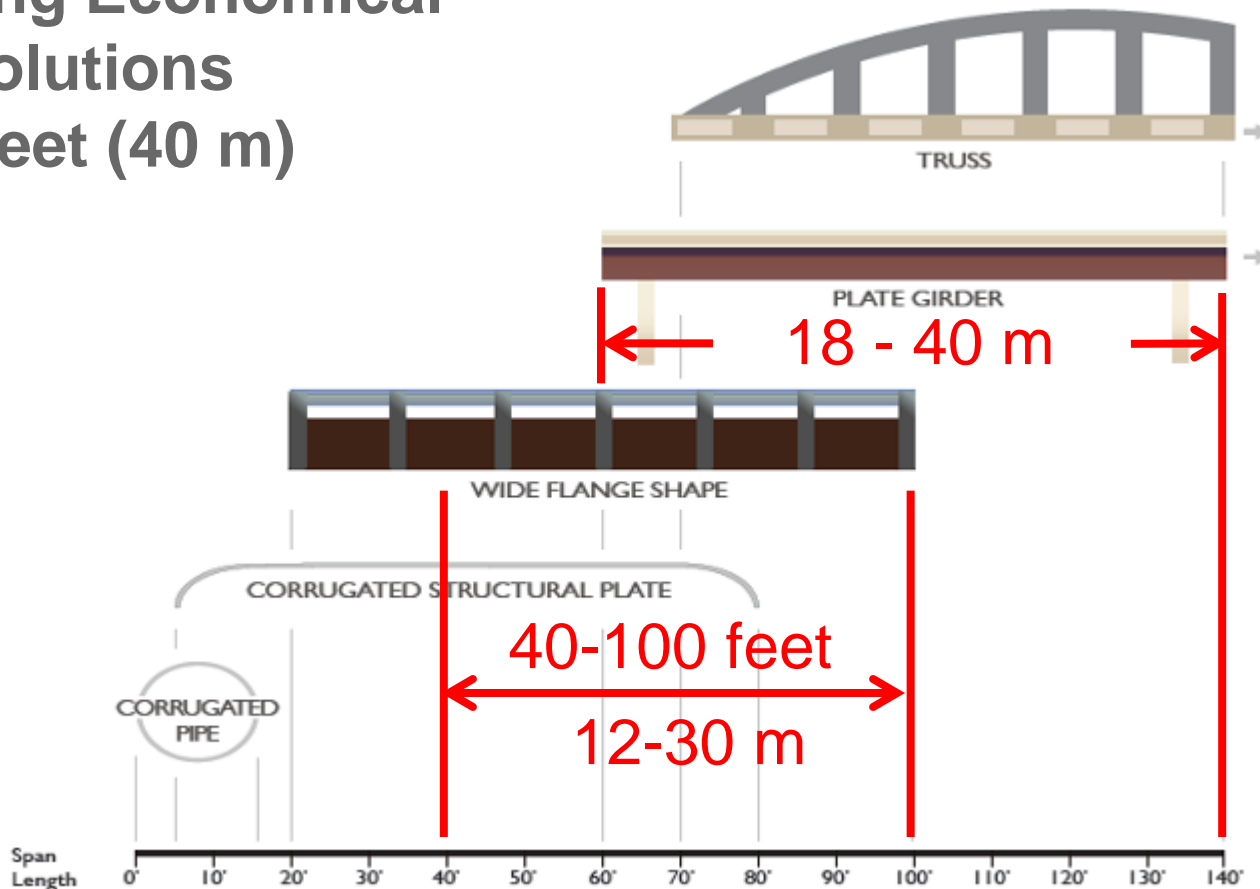
Short Span Steel Bridge Alliance (SSSBA)

- Program officially started September 2007
- Objective – make steel the material of choice for short span steel bridges.
- Short span steel bridges have spans up to 140 feet (~ 40 m)
- First **North American** industry-wide effort to provide education and design support for short span steel bridges.





Providing Economical Steel Solutions to 140 feet (40 m)



What do we do?

- Education (webinars, workshops, forums, conferences)
- Technical Resources (standards, guidelines, best practices)
- Case Studies (economics: steel is cost-effective)
- Simple Design Tools (eSPAN140)
- Answer Questions (Bridge Technology Center)
- Access to Industry Partners (industry contact list)

All FREE for bridge owners & designers



eSPAN140™

*Demonstration Bridge,
Buchanan County, Iowa*

The New V-65 Jesup South Bridge, Buchanan County, Iowa



The first eSPAN140 demonstration bridge, this new span – made possible by a collaboration between Buchanan County and the SSSBA – replaced a deficient bridge.



Bridge Technology Center



eSPAN140®



Membership Benefits

Answers to Your Questions About Standard
Bridge and Culvert Designs and Details

One Stop for Customized Steel Bridge and
Culvert Solutions up to 140'

Experience the many perks that go
along with being an SSSBA member

Handouts

Name	Date modified	Type	Size
Bridge Fabricators	3/5/2015 7:59 AM	File folder	
Coaters	3/5/2015 7:59 AM	File folder	
eSPAN140	2/4/2013 12:59 PM	File folder	
Fasteners	3/5/2015 8:01 AM	File folder	
Industry Associations	3/5/2015 8:00 AM	File folder	
other	3/5/2015 8:00 AM	File folder	
short span steel bridge alliance	3/5/2015 8:00 AM	File folder	
Steel Producers	3/5/2015 7:59 AM	File folder	
Steel Service Centers	3/5/2015 8:01 AM	File folder	



Need More Information?

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