

Minutes  
Steel Bridge Fabrication Showcase  
Augusta, Georgia  
May 20 – 21, 2003

The agenda and attendance list for the Showcase are included as Attachments 1 and 2 respectively. The presentations on the first morning were on the activities of other regional groups, a brief history of the Showcase, the newest Collaboration publication, and steel bridges in Georgia. In the afternoon, there were presentations on efficient steel bridge design and detailing, deflections during construction, and LRFD design with Opis. In addition, there was a discussion of topics suggested by the attendees. The next morning, we divided into groups to tour the Augusta Iron and Steel fabrication plant looking for areas where we could recommend better ways of designing and detailing steel bridges.

Opportunities for FHWA Involvement in Southern Steel Bridge Improvement

Education – FHWA Divisions and Resource Centers can be involved in the improvement of steel bridges in several ways. One of the main obstacles for implementing improved design and detailing of steel bridges is the large number of organizations involved in producing plans for steel bridges, many of which continue to do what they have always done because no one has told them any different way of doing things. FHWA can educate state and consultant designers and contractors by speaking at joint state/private industry meetings. Many states sponsor periodic meetings where all parties meet to discuss common interests. At these meetings, FHWA bridge engineers can speak about the Collaboration efforts to develop improved, standard ways of designing and detailing steel bridges. FHWA bridge engineers can also work with their state counterparts to include improved detailing requirements in state contracts with consultants – “We’ve always done it that way” is not an acceptable reason for continuing to use inefficient details. Consistent state guidance in design consultant contracts would greatly improve the opportunities for improving steel bridges. These ideas, also discussed last year, were mentioned again at this session of the Showcase.

Infrastructure Contact Persons at FHWA Resource Centers:

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Future Meetings – The attendees at this meeting agreed that future meetings similar to the Showcase would be beneficial to improving steel bridges. The meetings should be scattered around the SRC area to enable as many states as possible to attend even though state travel budgets are limited. If possible, the meetings should be more frequent than once a year. The people invited to attend the meetings should include young designers from both government and consultant offices to provide more opportunities to educate design professionals. Having at least two meetings a year in different parts of the SRC area, both with similar agendas, would enable more people to participate and limit travel expenses. Possibilities for FY 2004 locations include Arkansas/ Louisiana. NSBA and FHWA SRC will work together to pick sites for the next meetings. FHWA, state, and industry will work together to develop the agendas for the meetings.

Attachment 1  
Agenda

Tuesday, May 20, 2003

8:00 Coffee and Pastries/Registration

8:30 Welcome and Introductions

Richard Crane, FHWA Kentucky Division  
G. C. Bovard, Augusta Iron & Steel  
Conn Abnee, National Steel Bridge Alliance

9:00 A Brief Report on Activities in Other Regional Groups and the Collaboration  
Lou Triandafilou, Federal Highway Administration  
Baltimore, MD

9:30 Break

9:45 Guidelines for Design for Constructability – the Collaboration document  
Bill McEleney, National Steel Bridge Alliance

10:45 Steel Bridges in Georgia – the 17<sup>th</sup> Street Crossing of I-75/I-85  
Bill Ingalsbe, Georgia Department of Transportation

11:45 Discussion of the Morning's Presentations

12:00 Lunch (on your own)

1:00 Efficient Steel Bridge Design and Detailing in the 21<sup>st</sup> Century  
Richard Crane, Federal Highway Administration  
Frankfort, Kentucky

1:45 Discussion of Deflections during Construction  
John Yadlosky, HDR Engineering

2:45 Break

3:00 Steel Bridge Design with LRFD and Opis  
Jeff Smith, Federal Highway Administration, Atlanta, GA

4:00 Topics Proposed by Showcase Attendees

Dinner (Sponsored by Augusta Iron & Steel)

Wednesday, July 24, 2002

8:00 Coffee and Pastries

8:30 Small Group Tours of Augusta Iron & Steel Plant – Goal of observation of the plant is to identify areas in all parts of fabrication where standardization and economical fabrication details can make steel bridges better and less expensive.

10:30 Small Groups Discuss What They Have Seen

11:00 Evaluation of Showcase and Discussion of Need for Similar Events in the Future

Topics Suggested by Attendees:

AASHTO lateral bracing requirements and diaphragms

Benefits vs. costs of full shop painting instead of field painting of final coats

Experience with High Performance Steel

Materials supply limitations

Minimum QC/QA requirements

Narrow Gap Electroslag Welding

QC and QA on design-build projects

Welding limitations on constructability

Attachment 2  
Attendance List

<u>Name</u>	<u>Organization</u>	<u>Location</u>
Conn Abnee	National Steel Bridge Alliance Chicago, IL	
Brian Adams	Heath & Lineback Engineers, Inc. Marietta, GA	
Olu Adeyemi	Federal Highway Administration Atlanta, GA	
Bener Amado	South Carolina Department of Transportation Columbia, SC	
G.C. Bovard	Augusta Iron and Steel Works, Inc. Augusta, GA	
Randy Boyken	Heath & Lineback Engineers, Inc. Marietta, GA	
Roger Breeden	Carolina Steel Greensboro, NC	
Eric Burgess	Triplett-King & Associates Rock Hill, SC	
Harry Burns	South Carolina Department of Transportation Columbia, SC	
Richard Crane	Federal Highway Administration Frankfort, KY	
James Cranford, Jr.	Cranston, Robertson & Whitehead, P.C. Augusta, GA	
Hisham Deeb	Moreland Altobelli Norcross, GA	
Van Delacruz	South Carolina Department of Transportation Columbia, SC	

Charles Denany	Augusta Iron & Steel Works, Inc. Augusta, GA
John Dixon	Georgia Department of Transportation Forest Park, GA
Bill DuVall	Georgia Department of Transportation Atlanta, GA
Douglas Edwards	Federal Highway Administration Tallahassee, FL
Fazel Faqeer	Florida Department of Transportation Gainesville, FL
Jeffrey Ger	Federal Highway Administration Tallahassee, FL
Mark Holt	Jered Industries Brunswick, GA
Linda Houk	Florida Department of Transportation Gainesville, FL
Ed Hyde	Jered Industries Brunswick, GA
Bill Ingalsbe	Georgia Department of Transportation Atlanta, GA
James Johnt	Augusta Iron & Steel Works, Inc. Augusta, GA
Charles Jones	Florida Department of Transportation Gainesville, FL
Adil Khan	Mactec Engineering & Consulting, Inc. Jacksonville, FL
Kevin Ledford	Georgia Department of Transportation Forest Park, GA
Reginald Lee	Georgia Department of Transportation Forest Park, GA

Paul Liles	Georgia Department of Transportation Atlanta, GA
Bill McEleney	National Steel Bridge Alliance Cranston, RI
Doug McClure	South Carolina Department of Transportation Columbia, SC
J. Daniel Moulton	Cranston, Robertson & Whitehead, P.C. Augusta, GA
Ghulam Mujtaba	Florida Department of Transportation Gainesville, FL
Terry Mullenix	Augusta Iron & Steel Works, Inc. Augusta, GA
Jared Ogonor	Parsons Atlanta, GA
Edward Parker	Federal Highway Administration Atlanta, GA
Jim Pelkey	Jered Industries, Inc. Brunswick, GA
Jim Privette	South Carolina Department of Transportation Columbia, SC
Fabricio Quinonez	Ralph Whitehead Associates Duluth, GA
Ben Rabun	Georgia Department of Transportation Atlanta, GA
Richard Rowe	Triplett-King & Associates Rock Hill, SC
Steve St. John	Georgia Department of Transportation Atlanta, GA
Greg Schuch	Florence & Hutcheson Columbia, SC

Ron Schumpert	Florence & Hutcheson Columbia, SC
Masood Shabazaz	Heath & Lineback Engineers, Inc. Marietta, GA
Owen Sims	Augusta Iron & Steel Works, Inc. Augusta, GA
Bill Smith	Carolina Steel Greensboro, NC
Jeff Smith	Federal Highway Administration Atlanta, GA
Ron Sprayberry	Georgia Department of Transportation Atlanta, GA
Curtis Steveerson	Jered Industries Brunswick, GA
Brian Summers	Georgia Department of Transportation Atlanta, GA
George Tedder III	Mactec Engineering & Consulting, Inc. Newberry, FL
Lou Triandafilou	Federal Highway Administration Baltimore, MD
John Yadlosky	HDR Engineering Pittsburgh, PA