

NATIONAL STEEL BRIDGE ALLIANCE

# AASHTO/NSBA Steel Bridge Collaboration

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## Fall Meeting Agenda Packet

Virtual

October 25 – October 29, 2021



The AASHTO/NSBA Steel Bridge Collaboration is a joint effort between the American Association of State Highway and Transportation Officials (AASHTO) and the National Steel Bridge Alliance (NSBA) with representatives from state departments of transportation, the Federal Highway Administration, academia, and various industry groups related to steel bridge design, fabrication, and inspection. The mission of the Collaboration is to provide a forum where professionals can work together to improve and achieve the quality and value of steel bridges through standardization of design, fabrication, and erection.

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# AISC Antitrust Policy, Conflict of Interest and Code of Conduct

**Please honor AISC's policies regarding antitrust, conflict of interest, and conduct**

## **ANTITRUST**

Please remember that discussion among competitors of plans, consensus arrangements, agreements, strategies, and the like may be unlawful if they relate to any of the following:

- Current or future pricing or bidding information;
- Limits on production or product lines;
- Allocating customers or territories;
- Individual company marketing strategies, projections, or assessments; or,
- Establishing a practice of dealing with customers or suppliers.

## **CONFLICT OF INTEREST**

Please consult the meeting Chair and Secretary before participating in this meeting if you are, or an organization with which you are affiliated is:

- Contemplating or currently doing business with AISC;
- Involved in litigation, arbitration, or another form of dispute resolution, the outcome of which could be affected by an action of this group on an issue before it; or,
- Otherwise subject to circumstances that could impair or appear to impair your judgement on an issue before this group.

## **CONDUCT**

Please behave appropriately and refrain from discrimination and harassment.

**AISC's full policies relating to these matters are available at <https://www.aisc.org/about-us/>**

## Schedule Overview

**NOTE: All times are shown as Eastern Time Zone**

Monday, October 25

Meeting	Secretary	Chair	Vice Chair	Start (ET)	End (ET)
<a href="#">TG 1 Detailing</a>	Christopher Garrell	Randy Harrison	Gary Wisch	9:00 AM	11:00 AM
<a href="#">TG 14 Field Repairs and Retrofits</a>	Jason Lloyd	Kyle Smith	Jonathan Stratton	11:30 AM	2:30 PM
<a href="#">TG 8 Coatings</a>	Jeff Carlson	Paul Vinik	Johnnie Miller	3:00 PM	5:00 PM

Tuesday, October 26

Meeting	Secretary	Chair	Vice Chair	Start (ET)	End (ET)
<a href="#">TG 2 Fabrication and Repair</a>	Christopher Garrell	Heather Gilmer	Duncan Paterson	9:00 AM	11:00 AM
<a href="#">TG 15 Data Modeling for Interoperability</a>	John Hastings	Aaron Costin	Jonathan Stratton	11:30 AM	12:30 PM
<a href="#">Combined TG 1 Detailing, TG 15 Data Modeling for Interoperability</a>	John Hastings	Aaron Costin		1:00 PM	3:00 PM

Wednesday, October 27

Meeting	Secretary	Chair	Vice Chair	Start (ET)	End (ET)
<a href="#">TG 16 Orthotropic Deck Panels</a>	Jason Lloyd	Sougata Roy	Frank Artmont	9:00 AM	12:00 PM
<a href="#">TG 4 QC/QA</a>	Christopher Garrell	Jamie Hilton	Robin Dunlap	12:30 PM	2:30 PM

Thursday, October 28

<b>Meeting</b>	<b>Secretary</b>	<b>Chair</b>	<b>Vice Chair</b>	<b>Start (ET)</b>	<b>End (ET)</b>
<a href="#">TG 10 Erection</a>	Christopher Garrell	Brian Witte	Jason Stith	9:00 AM	11:00 AM
<a href="#">TG 13 Analysis of Steel Bridges</a>	Brandon Chavel	Deanna Nevling	Francesco Russo	11:30 AM	1:30 PM
<a href="#">TG 12 Design for Constructability and Fabrication</a>	Brandon Chavel	Christina Freeman	Russell Jeck	2:00 PM	4:00 PM
<a href="#">Combined TG 1 Detailing, TG 11 Steel Bridge Handbook, TG 12 Design for Constructability and Fabrication</a>	Brandon Chavel	Christina Freeman		4:00 PM	5:00 PM

Friday, October 29

<b>Meeting</b>	<b>Secretary</b>	<b>Chair</b>	<b>Vice Chair</b>	<b>Start (ET)</b>	<b>End (ET)</b>
<a href="#">TG 11 Design</a>	Christopher Garrell	Brandon Chavel	Domenic Coletti	9:00 AM	11:00 AM
<a href="#">TG 17 Steel Castings</a>	Devin Altman	Jennifer Pazdon	Jason Stith	11:30 AM	1:30 PM
<a href="#">MC Main Committee</a>	Christopher Garrell	Ronnie Medlock	Christina Freeman	2:00 PM	5:00 PM



## AASHTO/NSBA Steel Bridge Collaboration

### Fall 2021 “Virtual” Meeting

### TG 1 Detailing

**Task Group Mission:** This Task Group is specifically responsible for the creation and maintenance of guidelines and best practices for the creation of clear concise design and fabrication drawings.

#### **Task Group Leadership**

**Chair:** Randy Harrison - W&W|AFCO Steel, Hirschfeld Division (rharrison@wwafcosteel.com)

**Vice Chair:** Gary Wisch - DeLong's, Inc. (GaryW@delongsinc.com)

**Secretary:** Christopher Garrell - NSBA (garrell@steelbridges.org)

#### **Zoom Information**

##### **Meeting Link:**

<https://us02web.zoom.us/j/85771041664?pwd=YORzRmhBSGhpU1dCS3VDWnJRMFMzUT09>

**Zoom Meeting ID:** 857 7104 1664

**Zoom Meeting Dial-in:** (312) 626-6799

#### **Meeting Agenda: 10/25/2021 (9:00:00 AM - 11:00:00 AM ET)**

1. Chairperson’s Welcome (9:00 AM – 9:10 AM)
  - a. AISC Antitrust Policy and Meeting Code of Conduct.
  - b. [Approval of Previous Meeting Minutes.](#)
2. Intent of G1.4 Guidelines for Design Details Update (9:10 AM – 10:50 AM)
  - a. Structural Steel General Notes - page 102 – Brad Dillman
  - b. Rolled Beams – New – Brad Dillman
  - c. I-Girders (Parallel Flange and Haunched) – pages 103, 104 & 111 – Gary Wisch
  - d. Connection Plates and Transverse Stiffeners – pages 103 & 106 – Gary Wisch
  - e. Bearing and Jacking Stiffeners (Half Pipe) – page 103 – Randy Harrison
  - f. Longitudinal Stiffeners – page 104 – Bill Lally
  - g. Lateral Bracing for I Girders – page 106 – Randy Harrison
  - h. Bolted Field Splices – page 107 – (Open for lead volunteer)
  - i. Cross Frames – pages 108 through 111 – Brad Dillman
  - j. Diaphragms – page 112 – Brad Dillman
  - k. Tub Girders – pages 113 through 118 – Frank Kingston

- l. Straddle Bent – New – Randy Harrison
  - m. Bearings – New – Randy Harrison
  - n. Miscellaneous Details (Handrail, Drip Bars, Utility Supports, Inspection Access & Walkways, Expansion Joints) – New and page105 – (Open for lead volunteer)
3. Next steps and wrap up (10:50 AM – 11:00 AM)
  4. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

### Fall 2021 “Virtual” Meeting

### TG 2 Fabrication and Repair

**Task Group Mission:** This Task Group aims to achieve quality and value in the fabrication of steel bridges through standardization of steel bridge fabrication across the nation.

#### **Task Group Leadership**

**Chair:** Heather Gilmer - TUV Rheinland (hgsteelfab@gmail.com)

**Vice Chair:** Duncan Paterson - HDR Engineering Inc. (duncan.paterson@hdrinc.com)

**Secretary:** Christopher Garrell - NSBA (garrell@steelbridges.org)

#### **Zoom Information**

##### **Meeting Link:**

<https://us02web.zoom.us/j/88262197666?pwd=ODUvWm4yc0FnTkFnT3ExTk8zbEdldz09>

**Zoom Meeting ID:** 882 6219 7666

**Zoom Meeting Dial-in:** (312) 626-6799

#### **Meeting Agenda: 10/26/2021 (9:00:00 AM - 11:00:00 AM ET)**

1. Chairperson’s Welcome
  - a. AISC Antitrust Policy and Meeting Code of Conduct.
  - b. [Approval of Previous Meeting Minutes.](#)
  - c. Reminder of documents currently under the task group’s scope
  - d. AASHTO steel fabrication specification status update: F3148 & “combined method”
2. G2.2, Guidelines for Resolution of Steel Bridge Fabrication Errors
  - a. Improper preheat
  - b. Framing members too short
3. AASHTO fabrication specification (formerly S2.1)
  - a. Continuing work on slip coefficients, especially regarding metallizing and combination of different coatings in same connection
  - b. Scribing/etching of layout marks
  - c. Allowable gap at girder bolted splices
  - d. Reaming allowances & bolt hole tolerances



- e. Unifying requirements for repair by grinding for various situations & combining the sections. Deferred until publication of fabrication specification
  - f. Applying A6 Table X4.2 (the old radii we used to have) to the 1.5t case for bending connection plates. Or maybe no  $\frac{3}{4}$ " limit? Compare AREMA. Deferred until after consideration by AASHTO T 14
  - g. Transverse members in assembly for skewed as well as curved—currently not in S2.1 or current fabrication specification draft. Deferred until after consideration by AASHTO T-14 issue first
4. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

Fall 2021 “Virtual” Meeting

TG 4 QC/QA

**Task Group Mission:** This task Group primarily focuses on the requirements for a Fabricator’s quality control program, with emphasis on the development and implementation of a quality control plan and minimum requirements for an Owner’s quality assurance program.

### **Task Group Leadership**

**Chair:** Jamie Hilton - KTA-Tator, Inc. (jhilton@kta.com)

**Vice Chair:** Robin Dunlap - High Steel Structures (rdunlap@high.net)

**Secretary:** Christopher Garrell - NSBA (garrell@steelbridges.org)

### **Zoom Information**

**Meeting Link:**

<https://us02web.zoom.us/j/87033602032?pwd=M24wdkx3UnRhQmV3T0FHZm9NWTludz09>

**Zoom Meeting ID:** 870 3360 2032

**Zoom Meeting Dial-in:** (312) 626-6799

### **Meeting Agenda: 10/27/2021 (12:30:00 PM - 2:30:00 PM ET)**

1. Chairperson’s Welcome (12:30 PM – 12:40 PM)
  - a. AISC Antitrust Policy and Meeting Code of Conduct.
  - b. [Approval of Previous Meeting Minutes.](#)
2. G4.2 – Guidelines for the Qualifications of Structural Bolting Inspectors (12:40 PM – 1:00 PM)
  - a. Publication status
  - b. Review of 2020 RCSC
3. Conflicts with G4.2? Jamie Hilton
4. ii. Any new applications from RCSC to be added to G4.2? Jeremy Rice/Heather Gilmer
5. Retired S4.1 Steel Bridge Fabrication QC/QA Guide Specification (1:00 PM – 1:30 PM)
  - a. Can the stripped-down version be a standalone document?
  - b. G4.4 Sample Owners QA Manual – add to the stripped-down version?

- c. Can we archive the retired S4.1 to either NSBA or AISC websites with guidance of “buyer beware – this doc no longer is being updated, but might contain useful information” – Phil Dzikowski/Ray Monson/Teresa Michalk
- 6. G4.1 Steel Bridge Fabrication QC/QA Guidelines (1:30 PM – 2:15 PM)
  - a. Review and update definitions - replace with terminology from AISC 207-20 doc – Jamie/Teresa Michalk, Heather Gilmer, Jeremy Rice
  - b. Address “new business” comments from previous ballot.
- 7. Section 10.1 - P.O. and Subcontracts
  - a. Functions referenced by AISC
  - b. Remove 10.1 title, keep paragraph and renumber sections accordingly (editorial)
- 8. New Business (2:15 PM – 2:30PM)
- 9. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

### Fall 2021 “Virtual” Meeting

### TG 8 Coatings

**Task Group Mission:** This Task Group primarily focuses on the functions, operations, requirements and activities needed to achieve consistent quality in steel bridge coatings. At the same time the group acknowledges the need for a cooperative approach to quality, where the Owner’s and Contractor’s representatives work together to meet their responsibilities, resulting in efficient steel bridges coatings that meeting all contractual requirements.

#### **Task Group Leadership**

**Chair:** Paul Vinik - GPI Construction Engineering (GPI) (Pvinik@gpinet.com)

**Vice Chair:** Johnnie Miller - Texas Department of Transportation (Johnnie.miller@txdot.gov)

**Secretary:** Jeff Carlson - NSBA (carlson@aisc.org)

#### **Zoom Information**

##### **Meeting Link:**

<https://us02web.zoom.us/j/88921957886?pwd=Q2RXdUEvYVZnaWRLT0FQU1ArR3hIQT09>

**Zoom Meeting ID:** 889 2195 7886

**Zoom Meeting Dial-in:** (312) 626-6799

#### **Meeting Agenda: 10/25/2021 (3:00:00 PM - 5:00:00 PM ET)**

1. Chairperson’s Welcome (3:00 PM – 3:05 PM)
  - a. AISC Antitrust Policy and Meeting Code of Conduct.
  - b. [Approval of Previous Meeting Minutes.](#)
2. S8.4 – Detailing for Corrosion Protection Systems (3:05 PM – 3:35 PM)
  - a. Update and discussion from each group
  - b. Galvanizing group may briefly discuss the organization of their chapter.
3. Update on UWS Initiatives (3:35 PM – 4:05 PM)
  - a. Jason Lloyd – AISC Need for Speed Project on Manual for Design, Detailing, and Maintenance of UWS Bridges
  - b. Mike Culmo (or someone from CHA) – ConnDOT UWS Performance Study
4. Single Coat IOZ Synthesis Update (4:05 PM – 4:20 PM)
5. Misconceptions of Chemically Grouping Coatings (4:20 PM – 4:50 PM)
6. Open discussion/New business (4:50 PM – 5:00 PM)
7. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

### Fall 2021 “Virtual” Meeting

### TG 10 Erection

**Task Group Mission:** This Task Group develops guidelines and specifications that establish and define the basic, minimum requirements for the transportation, handling and erection of steel bridge components to ensure safe steel erection as well as quality and value in the completed bridge structure.

#### **Task Group Leadership**

**Chair:** Brian Witte - Parsons (brian.witte@parsons.com)

**Vice Chair:** Jason Stith - Michael Baker International (Jason.Stith@mbakerintl.com)

**Secretary:** Christopher Garrell - NSBA (garrell@steelbridges.org)

#### **Zoom Information**

##### **Meeting Link:**

<https://us02web.zoom.us/j/81843338433?pwd=TEc4R0xWYjVnUzbVR4WS9YUXg2dz09>

**Zoom Meeting ID:** 818 4333 8433

**Zoom Meeting Dial-in:** (312) 626-6799

#### **Meeting Agenda: 10/28/2021 (9:00:00 AM - 11:00:00 AM ET)**

1. Chairperson’s Welcome (9:00 AM – 9:10 AM)
  - a. AISC Antitrust Policy and Meeting Code of Conduct
  - b. [Review action items from previous meeting](#)
2. Field Reaming (9:10 AM – 9:30 AM)
  - a. Update / discussion
3. Broken Fasteners Open Discussion (9:30 AM – 9:50 AM)
  - a. Ronnie Medlock mentioned this a potential new topic for TG10 consideration during spring meeting for Main Committee (Tappan Zee)
  - b. Do we want to include topic in G10?
4. G10 & AASHTO Bridge Construction Specification (9:50 AM - 10:00 AM)
5. Bearing - Section 5 rewrite (10:00 AM - 10:10 AM)
  - a. Review draft language if available
6. Transportation - Section 3 (10:10 AM – 10:20 AM)
  - a. Updates complete unless further comments

7. Wind Load on Girders during Erection – no update
8. Bolting for Bolters – no update?
9. Beam Clamp Loading (10:20 AM – 10:25 AM)
  - a. Show updated graphic
10. New topics for consideration (10:25 AM – 10:35 AM)
11. Review & assign action items (10:35 AM – 11:00 AM)
  - a. Next Revision Publish Date?
12. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

### Fall 2021 "Virtual" Meeting

### TG 11 Design

**Task Group Mission:** This Task Group aims to develop and maintain consensus guidelines to assist with the design of steel bridges and their components.

#### **Task Group Leadership**

**Chair:** Brandon Chavel - NSBA (chavel@aisc.org)

**Vice Chair:** Domenic Coletti - HDR Engineering Inc. (domenic.coletti@hdrinc.com)

**Secretary:** Christopher Garrell - NSBA (garrell@steelbridges.org)

#### **Zoom Information**

##### **Meeting Link:**

<https://us02web.zoom.us/j/85227945614?pwd=d1U3YlkvY3ZnaktsL0hUc2xTNEZyZz09>

**Zoom Meeting ID:** 852 2794 5614

**Zoom Meeting Dial-in:** (312) 626-6799

#### **Meeting Agenda: 10/29/2021 (9:00:00 AM - 11:00:00 AM ET)**

1. Introductions (9:00 AM to 9:10 AM)
  - a. AISC Antitrust Policy and Meeting Code of Conduct
  - b. [Approval of Previous Meeting Minutes.](#)
2. Announcements and Administrative Items (9:10 AM to 9:15 AM)
  - a. FDOT Steel Bridge Research Project RFP – Christina Freeman
3. Presentation (9:15 AM to 9:45 AM): TBD
4. Guidelines for the Design of Cross Frames & Diaphragms (9:45 AM to 10:45 AM)
  - a. Review Status and path forward
5. General Open Discussion (10:45 AM to 11:00 AM)
  - a. Design issue discussions
  - b. Other potential items for the next design TG task.
6. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

### Fall 2021 "Virtual" Meeting

# TG 12 Design for Constructability and Fabrication

**Task Group Mission:** This Task Group primarily focuses on addressing the questions that have been and are continually asked concerning the constructability of steel bridges according to the latest practice for steel mills, fabrication, detailing, erection, and design.

#### **Task Group Leadership**

**Chair:** Christina Freeman - FDOT (christina.freeman@dot.state.fl.us)

**Vice Chair:** Russell Jeck - Tutor Perini Corp. (russjeck619@gmail.com)

**Secretary:** Brandon Chavel - NSBA (chavel@aisc.org)

#### **Zoom Information**

##### **Meeting Link:**

<https://us02web.zoom.us/j/81246425774?pwd=MmZHWitldG5NVWZrayt1YTQydXdoQT09>

**Zoom Meeting ID:** 812 4642 5774

**Zoom Meeting Dial-in:** (312) 626-6799

#### **Meeting Agenda: 10/28/2021 (2:00:00 PM - 4:00:00 PM ET)**

1. Chairperson's Welcome (2:00 PM – 2:10 PM)
  - a. AISC Antitrust Policy and Meeting Code of Conduct.
  - b. [Approval of Previous Meeting Minutes](#).
2. Comments for Next Version of G12.1: (2:10 PM – 3:40 PM)
  - a. Comments from Heather Gilmer:
    - i. Section 1.3: "increased corrosion resistance durability" Why is "durability" there?
    - ii. C1.4.1: "encouraged to be aware" seems odd. Hard for them not to be aware once we've pointed it out. "Should be aware" or "encouraged to consider"
    - iii. In general, delete "note that" from various locations in document
    - iv. Section 2.1.1.2 technically those aren't "connection stiffeners". "Connection plates and intermediate stiffeners".
    - v. Section C2.1.2.6: not editorial; please consider as new business (I assume too late for this edition so next time): if you're going to mention FC in the



context of stiffeners (2nd bullet), please note that typically bracing members are not considered FC. Wouldn't want anyone to interpret this to mean FC bearing stiffeners should be a thing!!

- vi. Section C3.7: as new business for next edition, consider explaining why WTs are preferred and maybe have a figure illustrating the weld access.
- vii. Section 4.4: This is a guide and shouldn't have "shall". If it's required in AASHTO. note that AASHTO requires it.

b. Comment from Jon Edwards:

- i. Section 2.1.1.1, the second paragraph is commentary and should be moved there.

c. Comment from Russ Jeck:

- i. Section 1.1 (Rolled vs Plate Girders): consider recommendations or suggestions for proper camber of rolled girders

d. Any miscellaneous comments

3. Closing Remarks (3:40 PM – 3:45 PM)

4. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

### Fall 2021 “Virtual” Meeting

### TG 13 Analysis of Steel Bridges

**Task Group Mission:** This Task Group focus has been the development of guidance on the issues related to steel girder bridge analysis and to educate Engineers so that they can better make decisions for their own projects.

#### **Task Group Leadership**

**Chair:** Deanna Nevling - HDR (Deanna.Nevling@hdrinc.com)

**Vice Chair:** Francesco Russo - Russo Structural Services (frank.russo@russostructural.com)

**Secretary:** Brandon Chavel - NSBA (chavel@aisc.org)

#### **Zoom Information**

##### **Meeting Link:**

<https://us02web.zoom.us/j/83610176223?pwd=KzFIZWROSDNZUloyZUM1M1ZBUnlpdz09>

**Zoom Meeting ID:** 836 1017 6223

**Zoom Meeting Dial-in:** (312) 626-6799

#### **Meeting Agenda: 10/28/2021 (11:30:00 AM - 1:30:00 PM ET)**

1. Chairperson’s Welcome – (11:30 PM – 11:45 AM)
  - a. AISC Antitrust Policy and Meeting Code of Conduct
  - b. [Approval of Previous Meeting Minutes – Virtual March 30, 2021](#)
2. General Announcements (11:45 AM – 12:10 PM)
  - a. FDOT RFP - Christina Freeman
  - b. Conferences/Research/Publications
  - c. NSBA Update – Brandon Chavel
  - d. FHWA Update – Dayi Wang, FHWA Steel Specialist
  - e. TRB AKB20 (Steel Bridges Committee) Update – Brandon Chavel Secretary
  - f. AASHTO Bridge Update (T-14 Structural Steel Design) – Frank Russo
3. Presentation (12:10 PM – 12:40 PM) “Quick and Easy Three-Dimensional Finite Element Modeling of Trusses” Terry Cakebread and Andy Taylor – LUSAS
4. G13.2 Guidelines for Steel Truss Bridge Analysis (12:40 PM – 1:30 PM)
  - a. High Level Comment Review
  - b. Benchmark Models

- c. Example Truss Model Writeups
  - d. Volunteer Reviewers
  - e. Volunteer Authors
5. Adjourn



## **AASHTO/NSBA Steel Bridge Collaboration**

### **Fall 2021 "Virtual" Meeting**

### **TG 14 Field Repairs and Retrofits**

**Task Group Mission:** This Task Group primarily focuses on providing practical solutions for design and implementation of field repairs and retrofits of existing steel bridges.

#### **Task Group Leadership**

**Chair:** Kyle Smith - GPI (ksmith@gpinet.com)

**Vice Chair:** Jonathan Stratton - Eastern Iron Works (strattonEIW@gmail.com)

**Secretary:** Jason Lloyd - NSBA (lloyd@aisc.org)

#### **Zoom Information**

**Meeting Link:**

<https://us02web.zoom.us/j/86768805745?pwd=WGlxTFIDeXMzdEpHaGRodnFpZkd0Zz09>

**Zoom Meeting ID:** 867 6880 5745

**Zoom Meeting Dial-in:** (312) 626-6799

#### **Meeting Agenda: 10/25/2021 (11:30:00 AM - 2:30:00 PM ET)**

1. Chairperson's Welcome (11:30 AM – 11:35 AM)
  - a. AISC Antitrust Policy and Meeting Code of Conduct.
  - b. [Approval of Previous Meeting Minutes.](#)
2. Presentation: Matt Hebdon, PhD - "Experimental Study of Corroded Beam Ends"  
(11:35 AM – 12:15 PM)
3. G14.1 - Quick update on publication status (12:15 PM – 12:20 PM)
4. G14.2 - Section updates by authors and reviewers, collaborative discussion on open topics (12:20 PM – 2:20 PM)
5. Milestones & Goals (2:20 PM – 2:30 PM)
6. Adjourn



# AASHTO/NSBA Steel Bridge Collaboration

## Fall 2021 “Virtual” Meeting

### TG 15 Data Modeling for Interoperability

**Task Group Mission:** This Task Group’s primary focus is on facilitating the development of bridge industry consensus standards for data description, modeling, and interoperability for integrated design, construction, and lifecycle management of bridges (i.e. BIM).

#### **Task Group Leadership**

**Chair:** Aaron Costin - University of Florida (aaron.costin@ufl.edu)

**Vice Chair:** Jonathan Stratton - Eastern Iron Works (strattonEIW@gmail.com)

**Secretary:** John Hastings - NSBA (hastings@aisc.org)

#### **Zoom Information**

##### **Meeting Link:**

<https://us02web.zoom.us/j/86261851555?pwd=VOQ2OVdBb1pXTEhyclMrdkNLWkiOUT09>

**Zoom Meeting ID:** 862 6185 1555

**Zoom Meeting Dial-in:** (312) 626-6799

#### **Meeting Agenda: 10/26/2021 (11:30:00 AM - 12:30:00 PM ET)**

1. Chairperson’s Welcome (10:30 AM – 10:40 AM)
  - a. AISC Antitrust Policy and Meeting Code of Conduct.
  - b. [Approval of Previous Meeting Minutes.](#)
2. US Data Dictionary (10:40 AM – 11:30 AM)
  - a. Overview
  - b. buildingSMART USA Chapter vision
3. Bridge Data Dictionary (11:30 AM – 12:30 PM)
  - a. Overview
  - b. Updates
  - c. Working session on updating
  - d. Next steps
4. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

### Fall 2021 “Virtual” Meeting

### TG 16 Orthotropic Deck Panels

**Task Group Mission:** This Task Group aims to establish an Orthotropic Steel Deck (OSD) panel design that can be cost effectively produced in the United States for the bridge market.

#### **Task Group Leadership**

**Chair:** Sougata Roy - Rutgers University (sougata.roy@rutgers.edu)

**Vice Chair:** Frank Artmont - Modjeski & Masters, Inc. (faartmont@modjeski.com)

**Secretary:** Jason Lloyd - NSBA (lloyd@aisc.org)

#### **Zoom Information**

##### **Meeting Link:**

<https://us02web.zoom.us/j/82055594559?pwd=YzVJZTdPSXRIM0lTVjREaXJPSG9HZz09>

**Zoom Meeting ID:** 820 5559 4559

**Zoom Meeting Dial-in:** (312) 626-6799

#### **Meeting Agenda: 10/27/2021 (9:00:00 AM - 12:00:00 PM ET)**

1. Chairperson’s Welcome
2. Attendee Introductions – Adjusted for online meeting (chair, VC, and Secretary)
  - i. Introduce Existing and Welcome New Members
  - ii. The reading of AISC Antitrust policy
  - iii. [Review and Approval of previous minutes](#)
3. General updates and announcements review of mission statement:
4. “This Task Group aims to establish an Orthotropic Steel Deck (OSD) panel design that can be cost effectively produced in the United States for the bridge market.”
5. Presentation from Justin Dahlberg ISU: FHWA Orthotropic Standard Panel project update
6. 10 min break (optional)
7. Task Group updates
  - i. State of Practice Synthesis Document
  - ii. Review sections
  - iii. Review author assignments
  - iv. Monthly webinar meetings schedule

- v. White Paper “Tolerance for Tolerance” (working title) – Terry Logan
- vi. Short Span Orthotropic Update (SSSBA) collaboration
- 8. Review Committee Goals
- 9. Old business and additional discussion
  - i. Floorbeam and diaphragm details
  - ii. Other
- 10. Review Action Items
- 11. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

Fall 2021 “Virtual” Meeting

TG 17 Steel Castings

**Task Group Mission:** The mission of this Task Group will be to develop and disseminate resources specific to the US steel bridge community to support the increased and effective use of castings in steel bridges. The targeted community includes design engineers, DOT professionals, steel fabricators, steel erectors, inspectors, general contractors, and detailers.

### Task Group Leadership

**Chair:** Jennifer Pazdon - CAST CONNEX (j.pazdon@castconnex.com)

**Vice Chair:** Jason Stith - Michael Baker International (Jason.Stith@mbakerintl.com)

**Secretary:** Devin Altman - NSBA (altman@aisc.org)

### Zoom Information

#### **Meeting Link:**

<https://us02web.zoom.us/j/86124317552?pwd=ak5GNVVPYmN3bDZ4eDRybDNLK2pzdz09>

**Zoom Meeting ID:** 861 2431 7552

**Zoom Meeting Dial-in:** (312) 626-6799

### **Meeting Agenda: 10/29/2021 (11:30:00 AM - 1:30:00 PM ET)**

1. Chairwoman’s Welcome
  - a. Attendee Roster Announcement
  - b. AISC Antitrust Policy and Meeting Code of Conduct
  - c. [Approval of Previous Meeting Minutes](#)
2. Introductions: Existing and New Members
3. Recap of Activities in 2021 (Jennifer)
  - a. Speaking Engagements - Rationale, Goals, and Execution
  - b. Case Study progress/Design explorations (Network Tied Arch, USACE, Bearings) - Rationale, Goals, and Execution
4. White Paper (Jason)
  - a. Rationale, Goals, and Execution
  - b. Review of comments from committee and/or breakout sessions for comments/discussion
5. Scope and Deliverables



- a. Update on “strawman”
  - b. Breakout sessions in groups for comment/discussion
6. Collaboration Tools to Support Productivity and Communication
7. Action Items before Next meeting/Milestone(s)
8. Confirm Next Meeting Date/Milestone(s)
9. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

Fall 2021 "Virtual" Meeting

### Combined TG 1 Detailing, TG 11 Steel Bridge Handbook, TG 12 Design for Constructability and Fabrication

**Task Group Mission:** This group is focused on the development of guidance for the detailing, fabrication, design and construction of steel straddle bents.

#### **Task Group Leadership**

**Chair:** Christina Freeman - FDOT (christina.freeman@dot.state.fl.us)

**Vice Chair:** 0 - 0 (0)

**Secretary:** Brandon Chavel - NSBA (chavel@aisc.org)

#### **Zoom Information**

##### **Meeting Link:**

<https://us02web.zoom.us/j/81676587570?pwd=a2VLK1NEQUNKK3BWOWdLN01ZUUNrZz09>

**Zoom Meeting ID:** 816 7658 7570

**Zoom Meeting Dial-in:** (312) 626-6799

#### **Meeting Agenda: 10/28/2021 (4:00:00 PM - 5:00:00 PM ET)**

1. Chairperson's Welcome (4:00 PM – 4:10 PM)
  - a. AISC Antitrust Policy and Meeting Code of Conduct.
  - b. [Approval of Previous Meeting Minutes.](#)
2. Presentation (4:10 PM – 4:40 PM)
3. David Konz is a Technical Manager for Atkins Structures based in Tampa. He has 17 years of experience and serves as a long-span specialist and discipline lead for alternative delivery projects nationwide. David will present on design and construction of a complex steel straddle bent cap for the FDOT I-4 Ultimate project. The steel straddle cap, pictured below during construction, supports two separate steel ramps in Orlando.
4. Update on Progress of Guidelines for Straddle Bents and Planned Future Work (4:40 PM – 4:55 PM)
5. Closing Remarks (4:55 PM – 5:00 PM)
6. Adjourn



# AASHTO/NSBA Steel Bridge Collaboration

## Fall 2021 "Virtual" Meeting

### Combined TG 1 Detailing, TG 15 Data Modeling for Interoperability

**Task Group Mission:** This Joint Task Group's focus is to produce the data requirements needed for the development of Model View Definitions (MVDs) related to steel bridge detailing and fabrication that will be used in the Industry Foundation Classes (IFC).

#### **Task Group Leadership**

**Chair:** Aaron Costin - University of Florida (aaron.costin@ufl.edu)

**Vice Chair:** 0 - 0 (0)

**Secretary:** John Hastings - NSBA (hastings@aisc.org)

#### **Zoom Information**

##### **Meeting Link:**

<https://us02web.zoom.us/j/84293505780?pwd=ZndjUWJQOVorZndrbTlZenZlYnE4UT09>

**Zoom Meeting ID:** 842 9350 5780

**Zoom Meeting Dial-in:** (312) 626-6799

#### **Meeting Agenda: 10/26/2021 (1:00:00 PM - 3:00:00 PM ET)**

1. Chairperson's Welcome (1:00 PM – 1:10 PM)
  - a. AISC Antitrust Policy and Meeting Code of Conduct.
  - b. [Approval of Previous Meeting Minutes.](#)
2. Design to Fabrication Model View Definition (MVD) project update (1:10 PM – 1:20 PM)
3. Detail to Fabrication IDM Development (1:20 PM – 1:40 PM)
  - a. Overview
  - b. Defining the model definitions
4. Working Group- Assign Data Requirements (1:40 PM – 3:00 PM)
  - a. Data Requirements
  - b. Discussion
5. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

Fall 2021 “Virtual” Meeting

MC Main Committee

**Task Group Mission:** The Collaboration Main Committee provides oversight and guidance for all Task Groups. A meeting of the Main Committee will take place at the end of each Collaboration meeting.

### **Task Group Leadership**

**Chair:** Ronnie Medlock - High Steel Structures, LLC (rmedlock@high.net)

**Vice Chair:** Christina Freeman - FDOT (christina.freeman@dot.state.fl.us)

**Secretary:** Christopher Garrell - NSBA (garrell@steelbridges.org)

### **Zoom Information**

**Meeting Link:**

<https://us02web.zoom.us/j/89162780770?pwd=andNV2F3enVtY0svbVJGTUwxM0NaQT09>

**Zoom Meeting ID:** 891 6278 0770

**Zoom Meeting Dial-in:** (312) 626-6799

### **Meeting Agenda: 10/29/2021 (2:00:00 PM - 5:00:00 PM ET)**

1. Chairperson’s Welcome (2:00 PM – 2:10 PM)
  - a. AISC Antitrust Policy and Meeting Code of Conduct.
  - b. [Approval of Previous Meeting Minutes.](#)
2. Task Group Reports - Approximately five minutes each (2:10 PM – 4:50 PM)
  - a. TG 1 - Randy Hasrrison (W&W | AFCO Steel)
  - b. TG 2 - Heather Gilmer (TÜV Rheinland)
  - c. TG 4 - Jamie Hilton (KTA-Tator, Inc.)
  - d. TG 8 - Paul Vinik (GPI Construction Engineering)
  - e. TG 9 - Michael Culmo (CME Associates, Inc.)
  - f. TG 10 - Brian Witte (Parsons)
  - g. TG 11 - Brandon Chavel (NSBA)
  - h. TG 12 - Christina Freeman (FDOT)
  - i. TG 13 - Deanna Nevling (HDR)
  - j. TG 14 - Kyle Smith (GPI Construction Engineering)
  - k. TG 15 - Aaron Costin (University of Florida)

- l. TG 16 - Sougata Roy (Rutgers University)
  - m. TG 17 - Jennifer Pazdon (CAST CONNEX)
  - n. Joint TG 1 Detailing, TG 11 Design, TG 12 Constructability – Christina Freeman (FDOT)
  - o. Joint TG 1 Detailing, TG 15 Data Modeling for Interoperability – Aaron Costin (University of Florida)
- 3. Other Business (4:50 PM – 5:00 PM)
  - 4. Adjourn