

NATIONAL STEEL BRIDGE ALLIANCE

AASHTO/NSBA Steel Bridge Collaboration

Fall Meeting Agenda Packet

Virtual

October 27 – 29, 2020



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.

Contents

AISC Antitrust Policy, Conflict of Interest and Code of Conduct.....	3
Schedule Overview	4
Tuesday, October 27	4
Wednesday, October 28	4
Thursday, October 29	5
TG 1 Detailing.....	6
TG 2 Fabrication and Repair.....	7
TG 4 QC/QA.....	10
TG 8 Coatings	12
TG 9 Bearings	14
TG 10 Erection.....	15
TG 11 Design	17
TG 12 Design for Constructability and Fabrication	18
TG 13 Analysis of Steel Bridges	21
TG 14 Field Repairs and Retrofits.....	23
TG 15 Data Modeling for Interoperability	24
TG 16 Orthotropic Deck Panels.....	25
Joint TG 1 Detailing, TG 11 Design TG12 Constructability	27
Joint TG 1 Detailing, TG 15 Data Modeling for Interoperability	29
Collaboration Main Committee	30

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 Central Time Zone

Tuesday, October 27

Track	Meeting	Secretary	Chair	Vice Chair	Start (CT)	End (CT)
1	TG 15 Data Modeling for Interoperability	John Hastings	Aaron Costin	Sammy Elsayed	8:30 AM	10:30 AM
2	TG 8 Coatings	Jeff Carlson	Paul Vinik	Jamie Hilton	8:30 AM	10:30 AM
1	Combined TG 1 Detailing, TG 15 Data Modeling for Interoperability	John Hastings	Aaron Costin	Sammy Elsayed	10:30 AM	12:30 PM
2	TG 9 Bearings	Jeff Carlson	Michael Culmo	Ron Watson	10:30 AM	12:30 PM
1	TG 2 Fabrication and Repair	Christopher Garrell	Heather Gilmer	Duncan Paterson	1:00 PM	4:00 PM
2	TG 13 Analysis of Steel Bridges	Brandon Chavel	Deanna Nevling	Francesco Russo	3:00 PM	5:00 PM

Wednesday, October 28

Track	Meeting	Secretary	Chair	Vice Chair	Start (CT)	End (CT)
1	TG 12 Design for Constructability and Fabrication	Brandon Chavel	Christina Freeman	Russell Jeck	8:30 AM	10:30 AM
1	Combined TG 1 Detailing, TG 11 Steel Bridge Handbook, TG 12 Design for Constructability and Fabrication	Brandon Chavel	Christina Freeman	Brad Dillman	10:30 AM	12:30 PM
2	TG 4 QC/QA	Vin Bartucca	Jamie Hilton	Robin Dunlap	10:30 AM	12:30 PM
1	TG 10 Erection	Anthony Peterson	Brian Witte	Jason Stith	1:00 PM	3:00 PM

Track	Meeting	Secretary	Chair	Vice Chair	Start (CT)	End (CT)
2	TG 16 Orthotropic Deck Panels	Jason Lloyd	Duncan Paterson	Sougata Roy	1:00 PM	3:00 PM
1	TG 1 Detailing	Vin Bartucca	Brad Dillman	Gary Wisch	3:00 PM	5:00 PM

Thursday, October 29

Track	Meeting	Secretary	Chair	Vice Chair	Start (CT)	End (CT)
1	TG 11 Design	Christopher Garrell	Brandon Chavel	Domenic Coletti	8:30 AM	10:30 AM
1	TG 14 Field Repairs and Retrofits	Jason Lloyd	Kyle Smith	Jonathan Stratton	10:30 AM	12:30 PM
1	Main Committee	Christopher Garrell	Ronnie Medlock		1:00 PM	4:00 PM



AASHTO/NSBA Steel Bridge Collaboration

Fall 2020 “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: Brad Dillman - High Steel Structures (bdillman@high.net)

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

Secretary: Vin Bartucca - NSBA (bartucca@aisc.org)

Zoom Information

Meeting Link: <https://us02web.zoom.us/j/88212564516>

Zoom Meeting ID: 882 1256 4516

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Wednesday, October 28 (3:00 PM - 5:00 PM CT)

1. Chairperson’s Welcome (3:00 PM – 3:10 PM)
 - a. AISC Antitrust Policy and Meeting Code of Conduct.
 - b. Approval of [Previous Meeting Minutes](#).
2. Status of AASHTO Approval of G1.1 Update (3:10 PM – 3:15 PM)
3. G1.2 (Design Drawings Presentation Guidelines) and G1.4 (Guidelines for Design Details) Update - Open Discussion (3:15 PM – 4:45 PM)
 - a. Determine direction of the updates (keep as separate or combine)
 - b. Determine scope of the updates (consider impact of data transfer initiatives, consider joint TG1/TG11/TG12 work)
 - c. Determine the tasks and timeframe for updates to the documents
4. Action Items (4:45 PM - 5:00 PM)



AASHTO/NSBA Steel Bridge Collaboration

Fall 2020 “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 - TÜV Rheinland (hgsteelfab@gmail.com)

Vice Chair: Duncan Paterson - HDR, Inc. (Duncan.Paterson@hdrinc.com)

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

Zoom Information

Meeting Link: [https://us02web.zoom.us/meeting/register/tZEtc-Cspi0iHtadIEUTK-hhPHsH-ZvfSSel](https://us02web.zoom.us/join/https://us02web.zoom.us/meeting/register/tZEtc-Cspi0iHtadIEUTK-hhPHsH-ZvfSSel)

Zoom Meeting ID: 850 4948 6842

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Tuesday, October 27 (1:00 PM - 4:00 PM CT)

1. Chairperson’s Welcome (1:00 PM – 1:10 PM)
 - a. AISC Antitrust Policy and Meeting Code of Conduct.
 - b. Reminder of documents currently under the task group’s scope.
 - c. Approval of [Previous Meeting Minutes](#).
2. AASHTO fabrication spec draft (1:10 PM – 4:00 PM)
 - a. For discussion:
 - i. Discuss logistics of bolting provisions (fabrication and erection)—AASHTO decision but we can provide feedback
 - ii. Review commentary on SRMs (C1.2.9)
 - iii. “accept” vs “approve” shop drawings: TG1 voted to change the terms "Approval" to "Acceptance" and "Approver" to "Reviewer"
 - iv. Review removal of A6 from 9.2.1 (base metal repair)
 - v. Review removal of welding-related provisions from 9.2.3 (base metal repair)
 - vi. Review C9.3 (new commentary for why we don’t use A6 for base metal repair)

- vii. Tolerance figures—which in commentary & which in code? We have flange tilt not commentary; D1.5 has ONE flange tilt figure not commentary. All commentary? None/some commentary?
 - viii. How much of D1.5 commentary on web flatness should come over? Most of it is related to welding distortion. See C16.6.
 - ix. Do we need or want the web flatness and camber tabulations?
 - x. Are there any other parts of D1.5 that should come over?
 - xi. Review Appendix A, suggested items for Owner to put in contract documents. Are there any other items?
 - xii. New business, but where should we send it, D1.5 or AASHTO? Adding fill plates not shown on the drawings to address tolerances in girder depth.
 - xiii. Revisit assembly commentary
- b. Previous AASHTO spec discussion items deferred to new business:
- i. Unifying requirements for repair by grinding for various situations & combining the sections. Discuss if time.
 - ii. Applying “finish to bear” and “tight fit” to situations other than stiffeners. Do we want to do this? Discuss if time.
 - iii. RCSC burr allowance. Discuss if time.
 - iv. Reaming allowances & bolt hole tolerances (task group: Gilmer, Medlock, Ison, Grubb, Rau)
 - v. Applying A6 Table X4.2 (pretty much the old radii we used to have) to the 1.5t case for bending. Or maybe no $\frac{3}{4}$ " limit? Compare AREMA. This is T-14 issue first.
 - vi. Transverse bracing included in assembly for skewed as well as curved? May be T-14 issue first. Task group: Medlock, Bennett, Barthelemy, Paterson, Williams
- c. Questions deferred to AASHTO:
- i. Owner/Engineer/Designer/Construction Engineer etc. (but first consult with previously appointed task group of Gilmer, Rau, Stratton, Medlock)

- ii. Appendix vs. annex
 - iii. Moving bored hole in pin to BDS (T-14 issue first), perhaps aligning with AREMA. Information has been obtained from Bob Sweeney.
- 3. Reminder of outstanding items from before work began on AASHTO specification (see spring 2019 minutes for more details)
 - a. Older S2.1 new business items to be incorporated into AASHTO specification as new business
 - i. Continuing work on slip coefficients, especially regarding metallizing and combination of different coatings in same connection
 - ii. Scribing/etching of layout marks
 - iii. Allowable gap at girder bolted splices
 - b. *G2.2, Guidelines for Resolution of Steel Bridge Fabrication Errors*
 - i. Change in title of “Errors” to “Nonconformances”
 - ii. Improper preheat
 - iii. Framing members too short
 - iv. Orthotropic deck repairs
- 4. Adjourn



AASHTO/NSBA Steel Bridge Collaboration

Fall 2020 “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: Vin Bartucca - NSBA (bartucca@aisc.org)

Zoom Information

Meeting Link: <https://us02web.zoom.us/j/84389142573>

Zoom Meeting ID: 843 8914 2573

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Wednesday, October 28 (10:30 AM - 12:30 PM CT)

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. G4.2 – Recommendations for the Qualifications of Structural Bolting Inspectors
 - a. Ballot update
3. S4.1 Steel Bridge Fabrication QC/QA Guide Specification
 - a. Future of the document
 - i. Part C, Quality Assurance, potentially updated or standalone document - Phil Dzikowski
 - ii. S4.1 Archive on the NSBA website and provide guidance to users – “buyer beware” - Subcommittee of Phil Dzikowski, Ray Monson, Teresa Michalk will address guidance for archiving S4.1 document
 - iii. Part B, Quality Control, review for applicability - Robin Dunlap
4. G4.4 Sample Owners QA Manual
 - a. To be rolled in/incorporated with Part C

- b. Query DOTs by survey to see if they have an Owners QA Manual - (i.e. Michigan, Florida potentially have this)
 - c. Status of survey
- 5. What is the future of QC/QA?
 - a. New technologies in contract documents
 - b. New inspection techniques
 - i. Unmanned Aerial Vehicles (UAV – Drones)
 - ii. Virtual remote visual inspection
 - iii. Lasers, infrared, the world of PAUT
- 6. Potential revisions to recently published G4.1 document
 - a. Review and update definitions and replace with the terminology that is referenced in AISC documents. This is will be done after the AISC Certification Standards document is revised and published. Current timeline is for completion late 2020 and publication mid 2021. This is on schedule.
 - b. Section 10.1 PO & Subcontracts
 - i. Functions referenced by AISC for PO & Subcontracts
 - ii. Remove 10.1 title, keep paragraph from 10.1 and renumber sections accordingly
- 7. New Business?
- 8. Adjourn



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Fall 2020 “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 (Pvinik@gpinet.com)

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

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

Zoom Information

Meeting Link: <https://us02web.zoom.us/meeting/register/tZMsd-gsqTlpEtByKUXVhUb8z5nUaDwdNldN>

Zoom Meeting ID: 871 0347 9384

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Tuesday, October 27 (8:30 AM - 10:30 AM CT)

1. Chairperson’s Welcome (8:30 AM – 8:40 AM)
 - a. AISC Antitrust Policy and Meeting Code of Conduct.
 - b. Approval of [Previous Meeting Minutes](#).
2. Website Check in (8:40 AM – 8:50 AM) - Topics and task leaders:
 - a. Galvanizing - Tom Langill
 - b. Metalizing - Kevin Irving, I Paul Wagar
 - c. Duplex coating systems (HDG + wet applied) - Bill Corbett
 - d. Washing and cleaning programs – Geoff Swett.
 - e. Weathering Steel – Weathering Steel
 - f. Cathodic Protection – Paul Vinik, Pete Ault.

3. Detailing for Coatings - S8.4 - Updates and discussion from each task group: (8:50 AM – 9:30 AM)
 - a. Weathering Steel/A709-50CR - Jason Lloyd
 - b. Paint/liquid applied coatings - Derrick Castle
 - c. Galvanizing - Tom Langill
 - d. TSC - Kade Kovar
4. Revision of S8.1 - Zinc Rich Primer: (9:30 AM – 10:00 AM)
 - e. Overall process for revising S8.1
 - f. Comments from Bill Corbett
 - g. Comments from SSPC
5. Update from NSBA (Garrell or Carlson) on Coating Research (10:00 AM - 10:10 AM)
6. New Business: (10:10 AM – 10:30 AM)
 - h. Washing and Cleaning Program - WSDOT and interaction with AASHTO T14
 - i. IOZ one coat systems
7. Adjourn



AASHTO/NSBA Steel Bridge Collaboration

Fall 2020 “Virtual” Meeting

TG 9 Bearings

Task Group Mission: This Task Group is specifically responsible for the creation and maintenance of guidelines and best practices for steel bridge bearings.

Task Group Leadership

Chair: Michael Culmo - CME Engineering (culmo@cmeengineering.com)

Vice Chair: Ron Watson - RJ Watson, Inc. (rwatson@rjwatson.com)

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

Zoom Information

Meeting Link:

<https://us02web.zoom.us/j/85722531249>

Zoom Meeting ID: 857 2253 1249

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Tuesday, October 27 (10:30 AM - 12:30 PM CT)

1. Chairperson’s Welcome (10:30 AM – 10:50 AM)
 - a. AISC Antitrust Policy and Meeting Code of Conduct.
 - b. Approval of [Previous Meeting Minutes](#).
 - i. Review notes
 - ii. Review Action Item List
2. Review of section re-writes to date
3. Review/Set Action Items
4. Next steps (what is needed)
5. Schedule
 - a. Overall schedule
 - b. Next meeting
6. Adjourn



AASHTO/NSBA Steel Bridge Collaboration

Fall 2020 “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: Anthony Peterson - NSBA (peterson@aisc.org)

Zoom Information

Meeting Link:

<https://us02web.zoom.us/j/86892832769>

Zoom Meeting ID: 868 9283 2769

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Wednesday, October 28 (1:00 PM - 3:00 PM CT)

1. Chairperson’s Welcome (1:00 PM – XXX)
 - a. AISC Antitrust Policy and Meeting Code of Conduct.
 - b. Approval of [Previous Meeting Minutes](#).
2. Bearing discussion
 - a. Small group met on June 15 to discuss possible revisions
 - b. Bearings tolerances not specifically an erection issue but certainly influence erection. Does this topic belong in G9, G12 with brief mention in S10?
 - c. Review state DOT bearing tolerance study
 - d. Review proposed language for inclusion in TG9 document.
3. Draft language for Section 3: Transportation
 - a. Sent to TG10 members for comment. Review comments received.
4. Wind Load on Girders during Erection – Christina Freeman update
5. Bolting for Bolters Update – Jason Stith
6. Beam Clamp Loading

7. S10.1 and OSHA comparison
 - a. Appendix A to Subpart R of OSHA Part 1926 provides non-mandatory guidelines for Site Specific Erection Plan – perhaps worth mentioning reference in Commentary?
8. Summary and adjourn



AASHTO/NSBA Steel Bridge Collaboration

Fall 2020 “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 (Domenic.Coletti@hdrinc.com)

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

Zoom Information

Meeting Link: https://us02web.zoom.us/meeting/register/tZ0kfuurqjkiEtEwT_YFwwAMk5pE-Blf1jLa

Zoom Meeting ID: 899 9234 2885

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Thursday, October 29 (8:30 AM - 10:30 AM CT)

1. Chairperson’s Welcome (8:30 AM – 8:40 AM)
 - a. AISC Antitrust Policy and Meeting Code of Conduct.
 - b. Approval of [Previous Meeting Minutes](#).
2. Announcements and Administrative Items (8:40 AM to 8:45 AM)
 - a. The Task Group Mission
3. Project Presentation (8:45 AM to 9:15 AM): Innovative Steel Straddle Bent Design – Mike Culmo, CHA Consulting and Ronnie Medlock, High Steel Structures
4. Guidelines for the Design of Cross Frames & Diaphragms (9:15 AM to 10:15 AM)
 - a. Section Reviews
 - b. Comments for discussion
 - c. Timeline Discussion
5. General Open Discussion (10:15 AM to 10:30 AM)
 - a. Joint work with TG 1 and TG12 for Steel Straddle Bent Caps.
 - b. Design issue discussions
 - c. Other potential items for the next design TG task.
6. Adjourn



AASHTO/NSBA Steel Bridge Collaboration Fall 2020 “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 - Florida DOT (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/6rrDwjHNcMIAkuCzMBqpcjg8v2Lpx>

Zoom Meeting ID: 891 4732 7963

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Wednesday, October 28 (8:30 AM - 10:30 AM CT)

1. Chairperson’s Welcome (10 minutes)
 - a. AISC Antitrust Policy and Meeting Code of Conduct.
 - b. Approval of [Previous Meeting Minutes](#).
2. Update on publication of G12.1-2020 (5 minutes)
3. Presentation by Todd Helwig on Improved Details for Tub Girder Bridges (30 minutes)
4. Weld access for WT longitudinal stiffeners on the bottom flange of tub girders (15 minutes)
5. Bolted Field Splices Comment from Domenic (15 minutes)
 - a. how to design/detail them for constructability?
 - b. should a section be added to G12 document?
6. Is there a fabrication preference for square box girders versus tub (sloped sides) girder? (15 minutes)

7. Comments for Next Version of G12.1: (30 minutes)
 - 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. Split pipe stiffeners and potential for implementation

- e. Improved Details for Tub Girder Bridges
- f. Open Discussion



AASHTO/NSBA Steel Bridge Collaboration

Fall 2020 “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 - Michael Baker International (DNevling@mbakerintl.com)

Vice Chair: Francesco Russo - Michael Baker International (FRusso@mbakerintl.com)

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

Zoom Information

Meeting Link:

https://us02web.zoom.us/meeting/register/tZYqfu6pqzwoHdPn4wRfYBWYdyjgth_hx8xB

Zoom Meeting ID: 827 9715 7277

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Tuesday, October 27 (3:00 PM - 5:00 PM CT)

1. Chairperson’s Welcome (3:00 PM – 3:10 PM)
 - a. AISC Antitrust Policy and Meeting Code of Conduct.
 - b. Approval of [Previous Meeting Minutes](#).
2. General Announcements (3:10 PM – 3:25 PM)
 - a. Conferences/Research/Publications
 - b. NSBA Update
 - c. FHWA Update – Dayi Wang, FHWA Steel Specialist
 - d. TRB AFF20 (Steel Bridges Committee) Update – Domenic Coletti, Chair
 - e. AASHTO Bridge Update (T-14 Structural Steel Design) – Frank Russo
3. Presentation (3:30 PM – 4:00 PM) “PennDOT SR6 over French Creek Emergency Response and Repair,” Frank Artmont – Modjeski and Masters, Inc.
4. Break (4:00 PM to 4:10 PM)
5. G13.2 *Guidelines for Steel Truss Bridge Analysis* (4:10 PM – 5:00 PM)
 - a. Review of 2D and 3D Analysis Examples
 - b. Discuss Document Recommendations for 2D vs. 3D Analysis

- c. Start with the basics
 - d. When is 3D modeling necessary?
 - e. Connection Modeling – Level of Detail
 - f. Practical Considerations vs. Research Level Models
 - g. Volunteer Authors
6. Adjourn (5:00 PM)



AASHTO/NSBA Steel Bridge Collaboration

Fall 2020 “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 Steel Works (strattonEIW@gmail.com)

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

Zoom Information

Meeting Link:

[https://us02web.zoom.us/meeting/register/tZUrfu2orTgpGN0YEy_aCyOfpXhJ3TETxxqF](https://us02web.zoom.us/join/https://us02web.zoom.us/meeting/register/tZUrfu2orTgpGN0YEy_aCyOfpXhJ3TETxxqF)

Zoom Meeting ID: 816 9403 3329

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Thursday, October 29 (10:30 AM - 12:30 PM CT)

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. Progress of the Task Group – (10:40 AM – 11:15 AM)
 - a. What’s been accomplished
 - b. G14.1 (active objective) and G14.2
 - c. Survey – detail database
 - d. Curator’s Index
3. Presentations (11:15 AM – 12:00 PM): MARTA CS310N Span 36 Evaluation – Josh Orton & Distortion Induced Fatigue Alternatives (NCHRP 20-07 Task 387) – Jason Lloyd
4. G14.1 Organization and Progress – (12:00 PM – 12:30 PM)
 - a. Outline
 - b. Opinion on organization, topics, etc?
5. Adjourn



AASHTO/NSBA Steel Bridge Collaboration

Fall 2020 “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: Sammy Elsayed - Skanska (sae44@msn.com)

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

Zoom Information

Meeting Link:

<https://us02web.zoom.us/join/zoom-join-link>

Zoom Meeting ID: 897 7060 2800

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Tuesday, October 27 (8:30 AM - 10:30 AM CT)

1. Chairperson’s Welcome (8:30 AM – 8:40 AM)
 - a. AISC Antitrust Policy and Meeting Code of Conduct.
 - b. Approval of [Previous Meeting Minutes](#).
2. Design to Fabrication Model View Definition (MVD) project overview (8:40 AM – 9:00 AM)
3. Data Requirements- BrIM Data Dictionary (9:00 AM – 10:15 AM)
 - a. Update on Potential integrations
 - b. Overview of current version
 - c. Working Session
4. Closing Discussion (10:15 AM – 10:30 AM)
5. Adjourn



AASHTO/NSBA Steel Bridge Collaboration

Fall 2020 “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: Duncan Paterson - HDR (Duncan.Paterson@hdrinc.com)

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

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

Zoom Information

Meeting Link: <https://us02web.zoom.us/j/88389140250>

Zoom Meeting ID: 883 8914 0250

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Wednesday, October 28 (1:00 PM - 3:00 PM CT)

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. General updates and announcements, review of previous meeting minutes
 - a. FHWA Orthotropic Standard Panel project update
 - i. Spin-off discussion: pushing for the best set of panel details
3. Presentations – tentative: N/A
4. Task Group updates
 - a. State of Practice Synthesis Document
 - i. Review sections
 - ii. Review author assignments
 - iii. Monthly webinar meetings.
 - b. Short Span Orthotropic Update (SSSBA) collaboration
 - i. AISI and NSBA/AISC take the initiative to generate/expedite/find funds for the Task Group 16 project
 - c. Rib Standardization

- i. Is there a one size fits all for new design?
 - ii. Is there one fab procedure to eliminate the RD weld issues
- 5. Review Committee Goals
- 6. Old business and additional discussion
 - a. Floorbeam and diaphragm details
 - b. Other
- 7. Adjourn



AASHTO/NSBA Steel Bridge Collaboration Fall 2020 “Virtual” Meeting

Joint TG 1 Detailing, TG 11 Design TG12 Constructability

Task Group Mission:

Task Group Leadership

Chair: Christina Freeman - Florida DOT (Christina.Freeman@dot.state.fl.us)

Vice Chair: Brad Dillman - High Steel Structures (bdillman@high.net)

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

Zoom Information

Meeting Link: <https://us02web.zoom.us/j/86356513067>

Zoom Meeting ID: 863 5651 3067

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Wednesday, October 28 (10:30 AM - 12:30 PM CT)

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. Presentation by Jerry Sova on Steel Straddle Bent Cap Designs (15 minutes)
3. Report Back on Information Findings (less than 10 minutes per topic)
 - a. NCHRP 527 study – Integral Steel Box Beam Pier Caps, presented by Tony Ream and Jordan Warncke
 - b. G13.1 analysis, section 3.14.3 and subsection, presented by Domenic Coletti and Duncan Paterson
 - c. G12.1 section on Boxes, presented by Brian Atkinson
 - d. FHWA Document on Proposed LRFD Specifications for Non-composite Steel Box Members, presented by Tony Ream and Brian Wolfe
 - e. MnDOT Report on Avoiding Fracture Critical Designation, fatigue cracks in box girders, retrofit details
 - f. WSBS Papers, presented by Vin Bartucca

- g. TxDOT Preferred Practices for Steel Bridge Design and Erection, section 2.5 –
Details, presented by Greg Turco
 - h. General State Design Requirements (including Florida), by Christina Freeman and
Dennis Golabek
4. Shared Folder (5 minutes)
 5. Discussion and Poll on Document Outline (Remaining Time)
 6. Adjourn.



AASHTO/NSBA Steel Bridge Collaboration Fall 2020 “Virtual” Meeting

Joint 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)

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

Zoom Information

Meeting Link:

<https://us02web.zoom.us/join/zoom-join-link>

Zoom Meeting ID: 886 6906 6062

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Tuesday, October 27 (10:30 AM - 12:30 PM CT)

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. Overview- Design to Fabrication/Detailing Model View Definition (MVD) (10:40 AM – 11:00 AM)
 - a. Quick overview of project and status
 - b. Questions and discussion
3. Design to Fabrication/Detailing IDM and Process Map (11:00 AM – 11:30 AM)
 - a. Items to be balloted
4. Working Group (11:30 AM – 12:15 PM)
 - a. Assign Data Requirements to the Detailing Model
 - b. Next Steps
5. Closing Discussion (12:15 PM – 12:30 PM)
6. Adjourn (12:00 PM)



AASHTO/NSBA Steel Bridge Collaboration

Fall 2020 “Virtual” Meeting

Collaboration 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 (RMedlock@high.net)

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

Zoom Information

Meeting Link: <https://us02web.zoom.us/meeting/register/tZEsc-2gpjouE9EhOF2x3d1NbUeEf4g5Cv6H>

Zoom Meeting ID: 851 4488 1495

Zoom Meeting Dial-in: 312 626 6799

Meeting Agenda: Thursday, October 29 (1:00 PM - 4:00 PM CT)

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. Task Group Reports - Approximately five minutes each (1:00 PM – 3:30 PM)
 - a. TG 1 - Brad Dillman (High Steel Structures)
 - 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 (Michael Baker International)
 - j. TG 14 - Kyle Smith (GPI Construction Engineering)
 - k. TG 15 - Sammy Elsayed (Skanska USA Civil)
 - l. TG 16 - Duncan Paterson (HDR)

- m. Joint TG 2 Fabrication, TG 4 QC/QA, TG 10 Erection – Jason Stith (Michael Baker International)
 - 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. Main Committee Operations Discussions – (3:30 PM – 4:00 PM)
 - a. Publications schedule
 - b. Upcoming meetings
- 4. Adjourn