

# Steel Bridge Collaboration Meeting

Spring 2020 Meeting  
March 10 – 12, 2020 – Salt Lake City, UT

The Spring AASHTO/NSBA Steel Bridge Collaboration meeting has been scheduled for Tuesday, March 10 from 8:00 AM - 4:00 PM, Wednesday, March 11 from 8:00 AM - 5:00 PM and Thursday, March 12 from 8:00 AM - 3:00 PM at the Sheraton Salt Lake City Hotel.

## Meeting Schedule

The following Task Groups are scheduled for this up-coming meeting. Note that in addition to their respective individual meetings, there will be a combined TG1 and TG15 meeting on Wednesday, a combined TG1, TG11, and TG12 meeting on Thursday, and a combined TG2, TG4, and TG10 meeting on Thursday. All times are approximate and subject to change.

### **Tuesday, March 10 (7:00 am – 5:00 pm)**

Time	Meeting	Room Name
7:00am – 8:00am	Breakfast (Provided)	TBD
8:00am – 10:00am	TG 10 Erection	Capitol Reef A
8:00am – 12:00pm	TG 2 Fabrication and Repair	Capitol Reef B
10:00am – 12:00pm	TG 1 Detailing	Capitol Reef A
12:00pm – 1:00pm	Lunch (Provided)	TBD
1:00pm – 4:00pm	TG 9 Bearings	Capitol Reef A
1:00pm – 4:00pm	TG 16 Orthotropic Deck Panels	Capitol Reef B
4:00pm – 6:00pm	Chair & Vice Chair Briefing	Capitol Reef A

### **Wednesday, March 11 (7:00 am – 5:00 pm)**

Time	Meeting	Room Name
7:00am – 8:00 am	Breakfast (Provided)	TBD
8:00am – 10:00am	TG 15 Data Modeling for Interoperability	Capitol Reef A
8:00am – 10:00am	TG 11 Design	Capitol Reef B
10:00am – 12:00pm	Joint Task Group Meeting (TG 1 & TG 15)	Capitol Reef A
10:00am – 12:00pm	TG 13 Analysis of Steel Bridges	Capitol Reef B
12:00pm – 1:00pm	Lunch (Provided)	TBD
1:00pm – 3:00pm	TG 12 Design for Constructability and Fabrication	Capitol Reef A
1:00pm – 3:00pm	TG 4 QC/QA	Capitol Reef B
3:00pm – 5:00pm	Joint Task Group Meeting (TG 1, TG 11 & TG 12)	Capitol Reef A
3:00pm – 5:00pm	TG 8 Coatings	Capitol Reef B
6:00pm – 9:00pm	Off-site Dinner ( <a href="#">Registration Required</a> )	Location TBD

## Meeting Schedule (con't)

**Thursday, March 12 (7:00 am – 3:00 pm)**

Time	Meeting	Room Name
7:00am – 8:00am	Breakfast (Provided)	TBD
8:00am – 10:00am	Joint Task Group Meeting (TG 2, TG 4, & TG 10)*	Capitol Reef A
10:00am – 12:00pm	TG 14 Field Repairs and Retrofits	Capitol Reef B
10:30am – 12:30pm	Collaboration Main Committee ( <i>Lunch will be provided</i> )	Capitol Reef A

\* Meeting is tentative.

\*\*All times shown are local MST

## Meeting Registration

All collaboration meetings are free and open to anyone interested in attending. So that we can better facilitate scheduling of the event, **you must register using the link below before February 17th**. *Please note that you will be asked to log-in to or create a free account on AISC.org prior to registering for the collaboration.*

[Click here to register for the meetings you plan to attend](#)

## Hotel Information

The meeting will take place at the Sheraton Salt Lake City Hotel. *Please note: A limited selection of rooms will be available at the Hilton Garden Inn Salt Lake City Downtown for any DOT attendees needing the government per diem rate of \$125 per night (plus applicable taxes and fees). Please email Philip McConnell at [mcconnell@aisc.org](mailto:mcconnell@aisc.org) if you need a room at the government rate.*

**Address:** [150 West 500 South](#)  
[Salt Lake City, UT 84101](#)

**Rate:** \$149 per night plus applicable taxes and fees

**Reservations:** [Click here to book your room at The Sheraton Salt Lake City Hotel](#)

**Cutoff Date:** Monday, February 21<sup>th</sup>, 2020

## Contact Information

For questions regarding meeting times, attendance plans, or hotel information, please contact [mcconnell@aisc.org](mailto:mcconnell@aisc.org). All other questions can be directed to [nsbacollaboration@steelbridges.org](mailto:nsbacollaboration@steelbridges.org)

## About the Collaboration

The mission of the Collaboration is to achieve quality and value in steel bridges by standardization of design, fabrication, and erection and by the sharing of resources. Through the Collaboration, steel bridge professionals work together in a spirit of cooperation and mutual respect to develop details, specifications and practices and to exchange knowledge, technology and expertise.

## More Information

Visit: [www.steelbridges.org/CollaborationStandards](http://www.steelbridges.org/CollaborationStandards)



## **NSBA Collaboration – Spring 2020**

TG 2 Fabrication and Repair

Sheraton Salt Lake City Hotel

Salt Lake City, UT

Room Name: Capitol Reef B

**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. Historically, State Departments of Transportation (DOTs) have written their specifications based on AASHTO standards and their own individual experiences.

**Task Group Chair:** Heather Gilmer - HRV (hgsteelfab@gmail.com)

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

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

**Zoom Meeting Link:** <https://zoom.us/j/400678767>

### **Meeting Agenda: Tuesday, March 10 (8:00 AM - 12:00 PM)**

1. What goes in intro, foreword, etc? (Probably T-17 question)
2. C1.2.6: Is this the right place?
3. 1.2.9: Is this the latest SRM definition?
4. C1.2.9: Is this commentary correct?
5. 2.2 penultimate paragraph: Is this a good way to put it?
6. C2.3: review photography bullet. Is “circumstances under which photography is permitted” better?
7. C4.1 2nd paragraph: How should we address this?
8. C8.4 needs editing. Is 8.4 still right? KHF: need to talk to mills. Also, CVN testing is longitudinal.
9. Section 9.3: Is this what we want? what about runoff tab removal? Or should that be in D1.5? Or should D1.5 just refer here to any section loss questions?
10. Section 9.2.1: Any point in keeping reference to A6? Depth limitations are not what we want but area limitations could be. Bring over area limitations from A6? Come up with something like “A6 except as modified by 9.3”?
11. 10.2, 1st paragraph: Where did 0.75" limit come from? 2nd paragraph: Is this a good way to handle it?
12. C11, last paragraph: Is this enough?
  - Prior discussion:

- KHF: local buckling at end—maybe even heat not ok. Can get small cracks at weld toe.
  - Curved rolled beam cover-plated bridge not very likely.
  - KHF/RDM: put it all in commentary?
  - Ison: will still need to be able to correct the curve afterward
  - JJE: citing what code used to be might give it too much credit. Basis not known.
  - Delete whole cover plate paragraph, discuss what used to be in code (but that there's not a lot of real-life experience with it) and what we know and don't know and what might be a reasonable approach. Demonstrations on individual basis, etc.
13. 14.3.2.2: Is there any pathway to getting these moved back to BDS? KHF last time suggested NSBA putting out a spreadsheet or utility to calculate these. Feasible?
14. 16.9.1: What does "square" mean if stiffener is skewed? We don't have a tolerance on angular orientation.
15. 17.5.1: this builds in inherent need for field reaming, which we don't want. Enough problem with bolt dimensional tolerances even if holes are perfect.
- AREMA proposal: "The holes in all plies shall align such that it would be possible to insert a bolt intended for use in the connection through each hole in all plies. Where approved by the Engineer, holes may be overreamed to meet these requirements, and larger fasteners installed."
  - Allowance for field reaming without Engineer approval? # holes, amount of oversize or slotting? (E.g., 10% to oversize as defined in RCSC; more holes or larger would need approval)
  - Hole group location tolerance? New business?
16. 17.6.1, 2nd paragraph: What about skewed bridges? Should something be said about not specifying an assembly when a TDLF has been called for a straight skewed bridge?
17. 17.7.3.2: Calibration of Skidmore is not mentioned here but is addressed in RCSC section 7. Do we need to call out the calibration in our sections on RC test & DTI PIV, which don't reference that RCSC section? Or is that generally covered by AISC quality manual?
18. 17.7.4.3.1: can we delete those words? They don't seem to be contributing anything.
19. 17.7.4.3.2b last bullet: do we get into aspects of galvanized coating quality that could affect proper bolting?

20. 20.1: Information about boring a hole down the center seems like it should go to the design code. T17 was going to talk to T14. We have commentary for why you don't drill the hole for normalized & tempered but not why you do drill the hole for annealed. Do we need to add? Talk to Bob Sweeney (AREMA) about pins. Should holes be included in all pins, for ease of handling? No max hole size is given. We should delete this and send it to design ("If annealed..."). Can Duncan talk to Sweeney? What's our pathway to put in BDS?

- Other notes—anyone know what I meant?
  - a. Flatness of flanges—A6 not ok because thickness different
  - b. 3.2 "responsibility"
  - c. Commentary about shop drawings

21. New business for a later edition (in addition to expansion of scope):

- 16.9.1: Should we have these tolerances apply to any "finish to bear" surface whether it's a stiffener or not?

16.9.2: Should we have these tolerances apply to any "tight fit" situation, whether it's a stiffener or not?



## **NSBA Collaboration – Spring 2020**

TG 10 Erection  
Sheraton Salt Lake City Hotel  
Salt Lake City, UT  
Room Name: Capitol Reef A

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

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

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

**Task Group Secretary:** Tony Peterson - NSBA (peterson@aisc.org)

**Zoom Meeting Link:** <https://zoom.us/j/247574877>

### **Meeting Agenda: Tuesday, March 10 (8:00 AM - 10:00 AM)**

1. Chairperson's Welcome (8:00 AM – 8:20 AM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
  - c. Approval of [Previous Meeting Minutes](#).
  - d. Review Action Items from Previous Meeting.
2. Mission Statement Review (8:20 – 8:30)
3. Review draft language for Section 5: Bearings and Anchorages (8:30 – 8:45)
4. Review revised draft language for Section 3: Transportation (8:45 – 9:00)
5. Appendix D checklist modifications? (9:10 – 9:20)
6. Wind Load on Girders during Erection update (9:20 – 9:30)
7. Additional items (9:30 – 9:40)
  - a. Beam clamp load amplification follow-up?
  - b. Geometric Tolerances?
  - c. Others?
8. Call for comments on S10.1-2019 (9:40 – 9:50)
9. Summary and adjourn (9:50 – 10:00)



## **NSBA Collaboration – Spring 2020**

TG 1 Detailing  
Sheraton Salt Lake City Hotel  
Salt Lake City, UT  
Room Name: Capitol Reef A

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

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

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

**Zoom Meeting Link:** <https://zoom.us/j/581717622>

### **Meeting Agenda: Tuesday, March 10 (10:00 AM - 12:00 PM)**

1. Chairperson's Welcome (10:00 AM – 10:10 AM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
  - c. Approval of [Previous Meeting Minutes](#).
2. Status of AASHTO Approval of G1.1 Update (10:10 AM – 10:20 AM)
3. G1.2 (Design Drawings Presentation Guidelines) and G1.4 (Guidelines for Design Details) Update - Open Discussion (10:20 AM - 11:40 AM)
  - 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. AISC Need for Speed Item - Guide to Executing an Effective Bridge Project (11:40 AM - 11:50 AM)
5. Action Items (11:50 AM - 12:00 PM)



## **NSBA Collaboration – Spring 2020**

TG 9 Bearings  
Sheraton Salt Lake City Hotel  
Salt Lake City, UT  
Room Name: Capitol Reef A

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

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

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

**Zoom Meeting Link:** <https://zoom.us/j/370166704>

### **Meeting Agenda: Tuesday, March 10 (1:00 PM - 4:00 PM)**

1. Chairperson's Welcome (1:00 PM – 1:10 PM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
  - c. Approval of [Previous Meeting Minutes](#).
2. Review of comments received to date and resolve – Mike Culmo
  - a. We left off part way through the comment resolution form at the last meeting. We will pick up from there.
  - b. Review of revised details
3. Review/Set Action Items
4. Next steps (what is needed)
5. Schedule
  - a. Overall schedule
  - b. Next meeting
6. Adjourn



### TG 9 Action Item Summary

Item #	Action Item	Assigned to	Due Date	Status
4.19.01	Review AISI (Red book) and recommend items to incorporate into G9.1	Frank Russo	8/22/19	On going Initial info is in
4.19.02	Review Steel Bridge Design Handbook – Bearing Design and recommend items to incorporate into G9.1	Domenic Coletti	8/22/19	On going Initial info is in
4.19.03	Review FHWA Training document and determine if we can borrow any language/information to include in G9.1	Frank Russo	8/22/19	On-going Initial info is in
4.19.04	Bearing manufacturers will go through section on high load bearings and make recommendations on how to make language/details more efficient.	Brad Streeter, Ryan Schade, Phil Gase	8/22/19	On-going DSB to submit around 9/1
4.19.05	Bearing manufacturers will go through section elastomeric bearings and make recommendations on how to make language/details more efficient.	Brad Streeter, Ryan Schade, Phil Gase	8/22/19	On going
4.19.06	Mike Culmo will go through current AASHTO Specification on bearing design and develop recommendations to take to T-2 for revision. And he will coordinate with T-2	Mike Culmo, Sougata Roy	6/20/19	Complete
4.19.07	Jeff will reach out to Carl Puzey to ask if Mike Culmo can have ~5 minutes in AASHTO T-2 Montgomery meeting to update them on our initiative and goals.	Jeff Carlson	5/1/19	Complete (MPC)
4.19.08	Entire committee/group to review current G9.1 and make recommended revisions.	Committee	8/22/19	On-going
6.20.01	Review the AASHTO LRFD BDS Section 14 and get any comments to suggested revisions to Mike Culmo and/or Sougata Roy. He will forward these suggestions to T-2.	Committee	8/22/19	On-going
6.20.02	Forward photos of bearing (production, construction, etc.) to Mike Culmo for incorporation into the guide.	Committee	Spring 2020	On-going RW has sent some
6.20.03	Review old NSBA table regarding bearing applicability. Mike to send out.	Committee	Spring 2020	On-going
6.20.04	Review HLMR bearing tables and make recommendations on increments and any other recommendations.	HLMR Bearing manufacturers	8/22/19	On-going
8.29.01	Mike Culmo to meet with Frank Russo to discuss integration of his information	Mike Culmo Frank Russo	10/22/19	New



## **NSBA Collaboration – Spring 2020**

TG 16 Orthotropic Deck Panels

Sheraton Salt Lake City Hotel

Salt Lake City, UT

Room Name: Capitol Reef B

**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 Chair:** Duncan Paterson - HDR (Duncan.Paterson@hdrinc.com)

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

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

**Zoom Meeting Link:** <https://zoom.us/j/369007246>

### **Meeting Agenda: Tuesday, March 10 (1:00 PM - 4:00 PM)**

1. Chairperson's Welcome (1:00 PM – 1:10 PM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
  - c. Approval of [Previous Meeting Minutes](#).
2. Presentations – *tentative*:
  - a. Paul Tsakopoulos
  - b. TBD
3. Short Break, if necessary
4. Task Group updates
  - a. State of Practice Synthesis Document
  - b. Short Span Orthotropic Update
  - c. Rib Standardization
5. Review Committee Goals
6. Old business and additional discussion
  - a. Floorbeam and diaphragm details
  - b. Other
7. Adjourn



## **NSBA Collaboration – Spring 2020 Task Group 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 Chair:** Sammy Elsayed – Skanska (sae44@msn.com)

**Task Group Vice Chair:** Aaron Costin – University of Florida (aaron.costin@ufl.edu)

**Zoom Meeting:** <https://zoom.us/j/142421216>

### **Meeting Agenda - Wednesday, March 11 (8:00 AM to 10:00 AM)**

1. Chairperson's Welcome (8:00 AM – 8:10 AM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
  - c. Approval of Previous Meeting Minutes.
2. Design to Fabrication Model View Definition (MVD) project overview (8:10AM – 8:30 AM)
3. Data Requirements- BrIM Data Dictionary (8:30 AM – 9:45 AM)
  - a. Overview of current version
  - b. Potential integrations
  - c. Modifications and maintenance
  - d. Governance and storage
4. Closing Discussion (9:45 AM – 10:00 AM)
5. Adjourn



## **NSBA Collaboration – Spring 2020**

TG 11 Design  
Sheraton Salt Lake City Hotel  
Salt Lake City, UT  
Room Name: Capitol Reef B

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

**Task Group Vice Chair:** Domenic Coletti - HDR (Domenic.Coletti@hdrinc.com)

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

**Zoom Meeting Link:** <https://zoom.us/j/690262056>

### **Meeting Agenda: Wednesday, March 11 (8:00 AM - 10:00 AM)**

1. Chairperson's Welcome (8:00 AM – 8:10 AM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
  - c. Approval of [Previous Meeting Minutes](#).
2. Announcements and Administrative Items (8:10 AM to 8:15 AM)
  - a. The Task Group Mission
3. Project Presentation (8:15 AM to 8:45 AM)
  - a. TBD
4. Guidelines for the Design of Cross Frames & Diaphragms (8:45 AM to 9:45 AM)
  - a. Review of significant comments on current draft
  - b. Checking of Example calculations
  - c. Any missing sections?
  - d. Timeline Discussion
5. General Open Discussion (9:45 AM to 10:00 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



**NSBA Collaboration – Spring 2020**  
Joint TG 1 Detailing, TG 15 Data Modeling for  
Interoperability  
Sheraton Salt Lake City Hotel  
Salt Lake City, UT  
Room Name: Capitol Reef A

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

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

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

**Zoom Meeting Link:** <https://zoom.us/j/129891799>

**Meeting Agenda: Wednesday, March 11 (10:00 AM - 12:00 PM)**

1. Chairperson's Welcome (10:00 AM – 10:10 AM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
  - c. Approval of [Previous Meeting Minutes](#).
2. Overview- Design to Fabrication/Detailing Model View Definition (MVD) (10:10AM – 10:30 AM)
  - a. Quick overview of project and status
  - b. Questions and discussion
3. Final Review of the Design to Fabrication/Detailing IDM and Process Map (10:30AM – 11:00 AM)
  - a. Discuss Balloting
4. Working Group- Assign Data Requirements to the Detailing Model (11:00AM – 12:00 PM)
  - a. Detailing Model overview and scope
  - b. BrIM Data Dictionary
  - c. Next Steps
  - d. Discussion
5. Adjourn (12:00 PM)



## **NSBA Collaboration – Spring 2020**

TG 13 Analysis of Steel Bridges

Sheraton Salt Lake City Hotel

Salt Lake City, UT

Room Name: Capitol Reef B

**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 Chair:** Deanna Nevling - Michael Baker International (DNevling@mbakerintl.com)

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

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

**Zoom Meeting Link:** <https://zoom.us/j/179241188>

### **Meeting Agenda: Wednesday, March 11 (10:00 AM - 12:00 PM)**

1. Chairperson's Welcome (10:00 AM – 10:10 AM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
  - c. Approval of [Previous Meeting Minutes](#).
2. General Announcements (10:10 AM – 10:25 AM)
  - 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. G13.1 Guidelines for Steel Girder Bridge Analysis – Published!
4. Presentation (10:30 AM – 11:00 AM)
5. G13.2 *Guidelines for Steel Truss Bridge Analysis* (11:00 AM – 12:00 PM)
  - a. Review Current Document and Comments
  - b. Volunteer Authors
6. Adjourn (12:00 PM)



## **NSBA Collaboration – Spring 2020**

TG 4 QC/QA

Sheraton Salt Lake City Hotel

Salt Lake City, UT

Room Name: Capitol Reef B

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

**Task Group Vice Chair:** Tim McCullough - Florida DOT (timothy.mccullough@dot.state.fl.us)

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

**Zoom Meeting Link:** <https://zoom.us/j/330001635>

### **Meeting Agenda: Wednesday, March 11 (1:00 PM - 3:00 PM)**

1. Chairperson's Welcome (1:00 PM – 1:10 PM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
  - c. Approval of [Previous Meeting Minutes](#).
2. G4.2 – Recommendations for the Qualifications of Structural Bolting Inspectors
  - a. G4.2 Section 5.2, 5.3 and 5.4 revisions: Subcommittee of Heather Gilmer, Karl Frank and Jaime Hilton will address this
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
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
  - c. (i.e. Michigan, Florida potentially have this)
  - d. Status of survey
5. 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.
  - 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
6. New Business?
7. Adjourn





**NSBA Collaboration – Spring 2020**  
TG 12 Design for Constructability and Fabrication  
Sheraton Salt Lake City Hotel  
Salt Lake City, UT  
Room Name: Capitol Reef A

**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 Chair:** Allan Berry - RS&H (allan.berry@rsandh.com)

**Task Group Vice Chair:** Christina Freeman - Florida DOT (Christina.Freeman@dot.state.fl.us)

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

**Zoom Meeting Link:** <https://zoom.us/j/721448699>

**Meeting Agenda: Wednesday, March 11 (1:00 PM - 3:00 PM)**

1. Chairperson's Welcome (1:00 PM – 1:10 PM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
  - c. Approval of [Previous Meeting Minutes](#).
2. Updated G12.1 Guidelines to Design for Constructability and Fabrication – Allan Berry, RS&H and Christina Freeman - FDOT (1:10 PM – 2:30 PM)
  - a. Status of document.
  - b. Process and timetable for document review and approval by AASHTO T-14, CBS, and AASHTO publishing.
    - i. Comments from the Collaboration ballot were incorporated.
    - ii. The finalized document was sent to T-14 by the NSBA in December 2020.
    - iii. T-14 provided no comments and has been approved.
    - iv. The document was then reviewed by CBS where all states voted.
    - v. Upon final approval by CBS after incorporating their comments, it will then be sent to AASHTO for publishing. We will review the document for correctness prior to posting.
  - c. Discussion of CBS balloting comments and issues.
3. Discussion of substituting welded plate girders for rolled beams - Christina Freeman - FDOT (2:30 PM – 3:00 PM):
4. Adjourn



## NSBA Collaboration – Spring 2020

TG 8 Coatings  
Sheraton Salt Lake City Hotel  
Salt Lake City, UT  
Room Name: Capitol Reef B

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

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

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

**Zoom Meeting Link:** <https://zoom.us/j/357699258>

### Meeting Agenda: Wednesday, March 11 (3:00 PM - 5:00 PM)

1. Chairperson's Welcome (3:00 PM – 3:10 PM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
  - c. Approval of [Previous Meeting Minutes](#).
2. Website Update (3:10 PM – 3:40 PM) - Quick overview and introduction of task champion's 2 paragraph summaries – distribute for full review and commentary. – 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. Status Updates: (3:40 PM – 4:00 PM)
  - a. Detailing for Coatings – Jeff Carlson
  - b. Refresh S8.1 and look at AREMA changes – Bill Corbett
  - c. Accelerated Testing Protocols – NCHRP studies: Jennifer.
  - d. Master Builders color and gloss testing requirements – Paul Vinik
4. Tabled Action Items from previous meeting: (4:00 PM – 4:30PM)

- a. Developing sample specs for DOTs for coating materials. Make it easier for states to spec various coating systems.
  - b. Better Coatings through better testing: longer duration testing – testing to failure and understanding UV, freeze-thaw, and diffusion related failure mechanisms.
  - c. Master Builders color and gloss testing requirements.
- 5. New Business: (4:30 PM – 5:00PM)
  - a. IOZ one coat systems
  - b. Fluorourethane systems
- 6. Adjourn



**NSBA Collaboration – Spring 2020**  
Joint TG 1 Detailing, TG 11 Design, TG 12  
Constructability  
Sheraton Salt Lake City Hotel  
Salt Lake City, UT  
Room Name: Capitol Reef A

**Task Group Mission:**

**Task Group Chair:** Allan Berry - RS&H ([allan.berry@rsandh.com](mailto:allan.berry@rsandh.com))

**Task Group Vice Chair:** Brad Dillman - High Steel Structures ([bdillman@high.net](mailto:bdillman@high.net))

**Task Group Secretary:** Vin Bartucca - NSBA ([bartucca@aisc.org](mailto:bartucca@aisc.org))

**Zoom Meeting Link:** <https://zoom.us/j/862499750>

**Meeting Agenda: Wednesday, March 1 (3:00 AM - 5:00 PM)**

1. Chairperson's Welcome (3:00 PM – 3:10 PM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
2. Constructability, detailing and design guide is being considered for steel straddle bents and pier caps. – Open discussion – All (3:10 PM – 5:00 PM)
  - a. Develop direction and mission of the joint task group.
  - b. Develop the scope and type of document to be developed.
  - c. Determine where the document should be included.
  - d. Determine the expected timetable for the completion of the document
3. Adjourn



**NSBA Collaboration – Spring 2020**  
Joint TG 2 Fabrication and Repair, TG 4 QC/QA,  
TG 10 Erection  
Sheraton Salt Lake City Hotel  
Salt Lake City, UT  
Room Name: Capitol Reef A

**Task Group Mission:** Assist in the development of training material for proper bolting of bridge connections.

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

**Task Group Secretary:** Tony Peterson - NSBA (peterson@aisc.org)

**Zoom Meeting Link:** <https://zoom.us/j/295630969>

**Meeting Agenda: Thursday, March 12 (8:00 AM - 10:00 PM)**

1. Introductions (15 min)
2. Review of RCSC Video Outline (45 min)
  - a. Overview of outline and history
  - b. Review the topics to be included in video
3. Review schedule for RCSC video production (15 min)
  - a. Key dates
  - b. Need for feedback
4. Discuss items needing to be included specific to bridge bolting (30 min)
  - a. Timeline for feedback
5. Next steps and subcommittee direction discussion (10 min)
6. Wrap up (5 min)



## **NSBA Collaboration – Spring 2020**

TG 14 Field Repairs and Retrofits

Sheraton Salt Lake City Hotel

Salt Lake City, UT

Room Name: Capitol Reef B

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

**Task Group Vice Chair:** Jonathan Stratton – Eastern Steel Works (strattonEIW@gmail.com)

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

**Zoom Meeting Link:** <https://zoom.us/j/578564368>

### **Meeting Agenda: Thursday, March 12 (8:00 AM - 10:00 AM)**

1. Chairperson's Welcome (8:00 AM – 8:10 AM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
  - c. Approval of [Previous Meeting Minutes](#).
2. Survey discussion – Jon (8:10 AM – 8:45 AM)
  - a. Content
  - b. Distribution
  - c. Results
3. G14.1 discussion – Kyle (8:45 AM-9:15 AM)
  - a. Outline
  - b. Writing assignments
4. Appendix discussion – Kyle (9:15 AM – 9:45 AM)
  - a. Proposed Repair Report Form
5. Open discussion – All (9:45 AM – 10:00 AM)
6. Adjourn



## **NSBA Collaboration – Spring 2020**

Collaboration Main Committee  
Sheraton Salt Lake City Hotel  
Salt Lake City, UT  
Room Name: Capitol Reef A

**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 Chair:** Ronnie Medlock - High Steel Structures (RMedlock@high.net)

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

**Zoom Meeting Link:** <https://zoom.us/j/450509776>

### **Meeting Agenda: Thursday, March 12 (10:30 AM - 12:30PM)**

1. Chairperson's Welcome (10:30 PM – 10:40 AM)
  - a. Introduce Existing and Welcome New Members.
  - b. AISC Antitrust Policy and Meeting Code of Conduct.
  - c. Approval of [Previous Meeting Minutes](#).
2. Task Group Reports - Approximately five minutes each (10:40 AM – 12:00 PM)
  - a. TG 1 - Brad Dillman (High Steel Structures)
  - b. TG 2 - Heather Gilmer (HRV Conformance Verification Associates, Inc.)
  - 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 - Alan Berry (RS&H)
  - 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 – Allan Berry (RS&H)

- o. Joint TG 1 Detailing, TG 15 Data Modeling for Interoperability – Aaron Costin (University of Florida)
- 3. Main Committee Operations Discussions – (12:00 PM – 12:30 PM)
  - a. Publications schedule
  - b. Upcoming meetings
- 4. Adjourn