

NATIONAL STEEL BRIDGE ALLIANCE

# AASHTO/NSBA Steel Bridge Collaboration

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## Spring Meeting Agenda Packet

Omni Providence Hotel

Providence, RI

**April 16 – 18, 2024**



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 Notetaker 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**

### Day 1 - Tuesday, April 16

Meeting	Notetaker	Chair	Vice Chair	Start (CT)	End (CT)	Room
Breakfast				7:30 AM	9:00 AM	Narragansett C
<a href="#">TG 12 Design for Constructability and Fabrication</a>	Anthony Peterson	Christina Freeman	Russell Jeck	9:00 AM	10:00 AM	Narragansett A
<a href="#">TG 16 Orthotropic Deck Panels</a>	Jeff Carlson	Sougata Roy	Frank Artmont	9:00 AM	12:00 PM	Narragansett B
<a href="#">Combined TG 1 Detailing, TG 11 Steel Bridge Handbook, TG 12 Design for Constructability and Fabrication</a>	Anthony Peterson	Christina Freeman	Brandon Chavel	10:00 AM	12:00 PM	Narragansett A
Lunch				noon	1:00 PM	Outside Meeting Rooms
<a href="#">New Attendee Introduction to the Collaboration (Optional)</a>				12:15 pm	1:00 PM	Narragansett B
<a href="#">TG 15 Data Modeling for Interoperability</a>	Jeff Carlson	Aaron Costin	Grant Schmitz	1:00 PM	3:00 PM	Narragansett B
<a href="#">TG 13 Analysis of Steel Bridges</a>	Travis Hopper	Deanna Nevling	Francesco Russo	1:00 PM	3:00 PM	Narragansett A
<a href="#">TG 9 Bearings</a>	Travis Hopper	Mike Culmo	Ron Watson	3:00 PM	5:00 PM	Narragansett B
<a href="#">TG 2 Fabrication and Repair</a>	Christopher Garrell	Heather Gilmer	Duncan Paterson	3:00 PM	5:00 PM	Narragansett A
Cocktail Hour - Registration Required				5:30 pm	7:00 pm	South County

### Day 2 - Wednesday, April 17

Meeting	Notetaker	Chair	Vice Chair	Start (CT)	End (CT)	Room
Breakfast				7:00 AM	8:00 AM	Narragansett C
<a href="#">TG 14 Field Repairs and Retrofits</a>	Christopher Garrell	Kyle Smith	Nick Haltvick	8:00 AM	10:00 AM	Narragansett A
<a href="#">TG 17 Steel Castings</a>	Jeff Carlson	Jennifer Pazdon	Jason Stith	8:00 AM	10:00 AM	Narragansett B

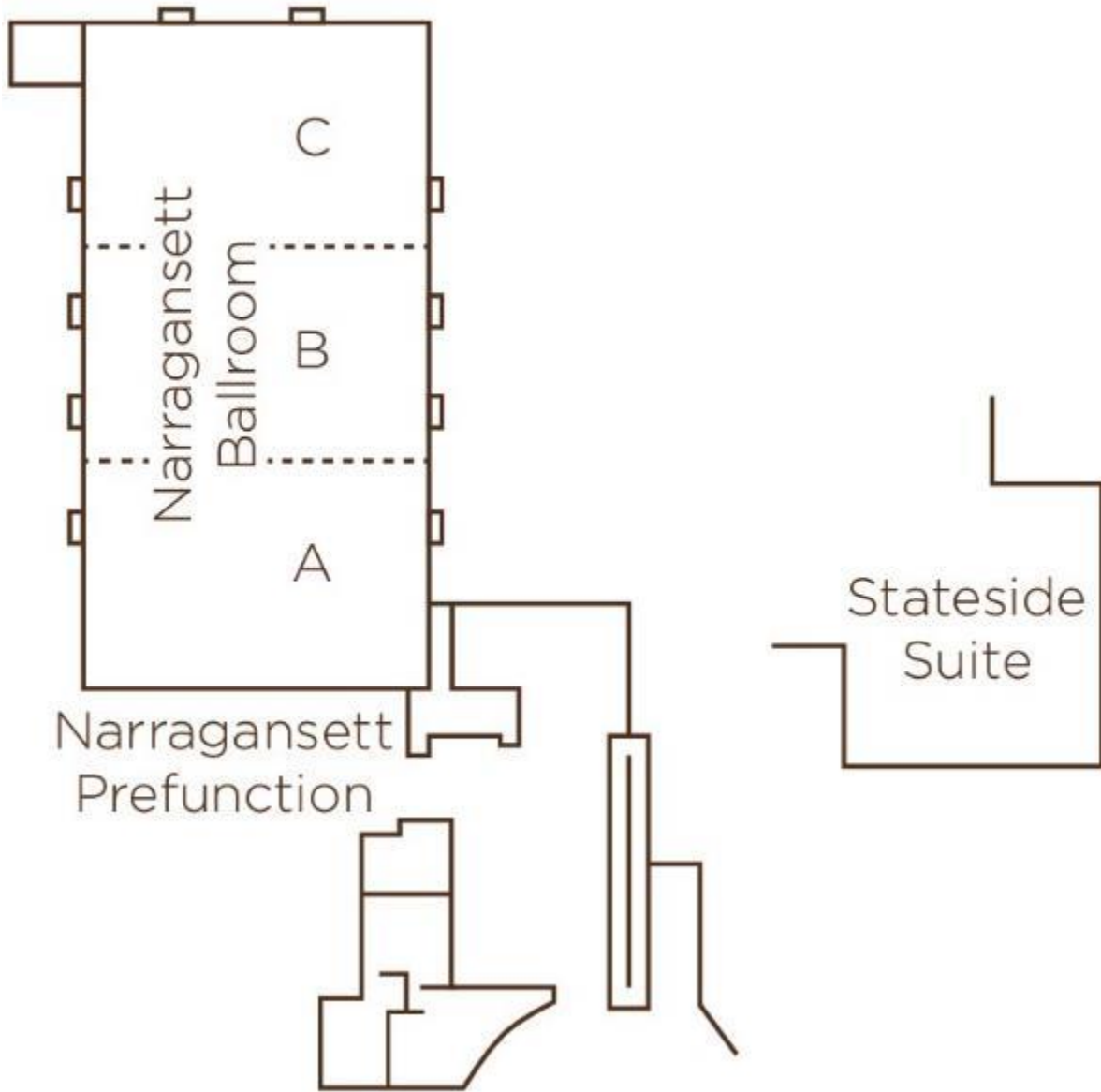
Meeting	Notetaker	Chair	Vice Chair	Start (CT)	End (CT)	Room
<a href="#">TG 8 Coatings</a>	Jeff Carlson	Johnnie Miller	Open	10:00 AM	12:00 PM	Narragansett B
<a href="#">TG 11 Design</a>	Christopher Garrell	Brandon Chavel	Domenic Coletti	10:00 AM	12:00 PM	Narragansett A
Lunch				noon	1:00 PM	Narragansett C
<a href="#">TG 1 Detailing</a>	Travis Hopper	Randy Harrison	Gary Wisch	1:00 PM	4:00 PM	Narragansett A
<a href="#">TG 4 QC/QA</a>	Anthony Peterson	Jamie Hilton	Robin Dunlap	1:00 PM	4:00 PM	Narragansett B
<a href="#">Dinner - Prior Registration Required</a>				6:00 PM	9:00 PM	Trinity Brewhouse

Day 3 - Thursday, April 18

Meeting	Notetaker	Chair	Vice Chair	Start (CT)	End (CT)	Room
Breakfast				7:00 AM	8:00 AM	Narragansett C
<a href="#">TG 10 Erection</a>	Travis Hopper	Brian Witte	Jason Stith	8:00 AM	10:00 AM	Narragansett A
<a href="#">TG 18 Duplex Stainless Steel</a>	Anthony Peterson	Jason Provines	Nancy Baddoo	8:00 AM	10:00 AM	Narragansett B
<a href="#">MC Main Committee</a>	Christopher Garrell	Ronnie Medlock	Christina Freeman	10:00 AM	12:00 PM	Narragansett A

# Hotel Meeting Space Floor Plan

## *Providence Ground Floor*



# Wednesday Dinner Information

**Location:** Trinity Brewhouse - 186 Fountain St, Providence, RI 02903

**Start:** 6:00 pm ET

**End:** 9:00 pm ET

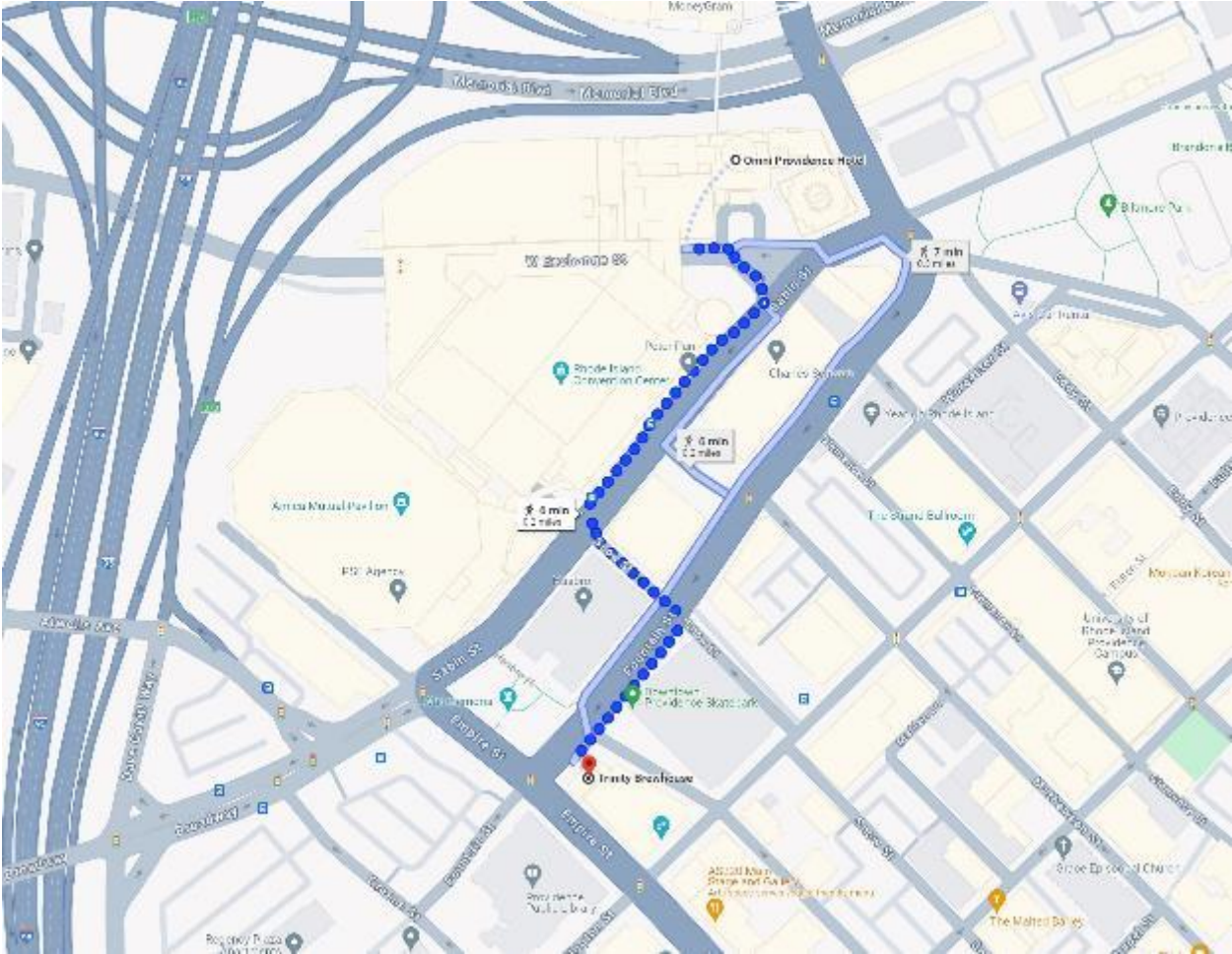


Figure 1: Walking Directions from Hotel to Dinner.



# Meeting Agendas





## AASHTO/NSBA Steel Bridge Collaboration

### TG 2 Fabrication and Repair

Omni Providence Hotel

Providence, RI

Room Name: Narragansett A

**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 - Pennoni

**Vice Chair:** Duncan Paterson - Alfred Benesch & Company

**Assigned Notetaker:** Christopher Garrell - NSBA

#### **Zoom Information**

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

<https://us02web.zoom.us/j/87290372366>

**Zoom Meeting ID:** 872 9037 2366

#### **Meeting Agenda: 4/16/2024 (3:00 pm - 5:00 pm ET)**

1. Chairperson's Welcome (3:00 pm – 3:15 pm)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct.](#)
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes.](#)
  - d. Reminder of documents currently under the task group's scope.
2. G2.2, Guidelines for Resolution of Steel Bridge Fabrication Errors
  - a. Updates for D1.5 changes, AASHTO Fab Spec, FC terminology, etc.
  - b. Improper preheat.
  - c. Framing members too short.
  - d. Hydrogen diffusion postheat not performed.
  - e. Tolerances.
3. Rolled beam elements at splice - Plate girder tolerances going in opposite directions at splice.
4. AASHTO fabrication specification
  - a. Scribing/etching of layout marks.

- b. Check assemblies.
  - c. Web flatness.
  - d. Camber tolerances for steel bent caps.
  - e. DTIs.
  - f. Slip coefficient updates.
  - g. Formed girders with <5t radius.
5. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

### TG 4 QC/QA

Omni Providence Hotel

Providence, RI

Room Name: Narragansett 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. 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 the efficient fabrication of steel bridges meeting all contractual requirements.

#### **Task Group Leadership**

**Chair:** Jamie Hilton - KTA-Tator, Inc.

**Vice Chair:** Robin Dunlap - High Steel Structures

**Assigned Notetaker:** Anthony Peterson - NSBA

#### **Zoom Information**

**Meeting Link:** <https://us02web.zoom.us/join/zoom-join?zmid=698128282&zoom-join-from-url=1>

**Zoom Meeting ID:** 849 0783 8069

#### **Meeting Agenda: 4/17/2024 (1:00 pm - 4:00 pm ET)**

1. Chairperson's Welcome (1:00 pm – 1:15 pm)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct.](#)
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes.](#)
2. G4.2 – Guidelines for the Qualifications of Structural Bolting Inspectors (1:15 pm – 1:30 pm)
  - a. Update on AASHTO balloting
  - b. New business to be addressed from AASHTO Metals Committee comments
3. S4.X – Owners Inspection Requirements (1:30 pm – 3:00 pm) – Continue review of updated document and action items (see Appendix C – Meeting Attachments - TG 4 QC/QA)
  - a. Action Item: Add commentary on good practice for photographs in reports – Halim Bas

- b. Action Item: Review 8.6.3 for technical clarity – Bob Stachel
  - c. Action Item: Review 8.2.1 for technical clarity – Kent Nelson
  - d. Action Item: Review 8.4.1 for technical clarity – Phil Dzikowski
  - e. Reconsider the use of the term “verify” versus monitor or observe.
- 4. G4.1 - Steel Bridge Fabrication QC/QA Guidelines (3:00 pm – 3:45 pm) – continue review
    - a. Reviewed up to section 5.2.
    - b. Action Item: All TG members to finish the review of proposed changes in document including the Introduction (updated) and from section 5.2 to the end.
- 5. New Business/General open discussion (3:45 pm – 4:00 pm)
  - 6. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

### TG 8 Coatings

Omni Providence Hotel

Providence, RI

Room Name: Narragansett 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 Leadership**

**Chair:** Johnnie Miller - KTA-Tator, Inc.

**Vice Chair:** Open

**Assigned Notetaker:** Jeff Carlson - NSBA

#### **Zoom Information**

**Meeting Link:** <https://us02web.zoom.us/meeting/register/tZwsc-uhrTotHdAUSRrR-m49sp-Q3BFHRKLi>

**Zoom Meeting ID:** 881 4293 1774

#### **Meeting Agenda: 4/17/2024 (10:00 am - noon ET)**

1. Chairperson's Welcome (10:00 am – 10:10 am)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct.](#)
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes.](#)
2. Welcome the new TG8 Chair - Johnnie Miller (10:10 am – 10:30 am)
  - a. Interest in vice chair position.
3. S8.1 Comments (See Appendix C – Meeting Attachments - TG 8 Coatings) (10:30 am – 11:15 am)
  - a. Discuss comments.
  - b. What is needed to keep it moving.
4. Proposal to review S8.2. (10: 15 am – 11:30 am)
5. Review state of G8.4. (11: 30 am – 11:45 am)

6. Feasibility and process for AASHTO to revise corrosion protection testing process/protocol. (11:45 am – noon)
7. Adjourn





## AASHTO/NSBA Steel Bridge Collaboration

### TG 9 Bearings

Omni Providence Hotel

Providence, RI

Room Name: Narragansett B

**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:** Mike Culmo - CHA Consulting, Inc.

**Vice Chair:** Ron Watson - RJ Watson, Inc.

**Assigned Notetaker:** Travis Hopper - NSBA

#### **Zoom Information**

**Meeting Link:** <https://us02web.zoom.us/meeting/register/tZlpf-mtqjMvGtJOyqcLieMg6hJrKLwcz3EW>

**Zoom Meeting ID:** 864 8054 8506

#### **Meeting Agenda: 4/16/2024 (3:00 pm - 5:00 pm ET)**

1. Chairperson's Welcome (3:00 pm – 3:15 pm)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct.](#)
  - b. Introductions.
    - i. Name.
    - ii. Organization.
    - iii. Role in your organization.
    - iv. What are you looking to get out of this collaboration?
  - c. [Approval of Previous Meeting Minutes.](#)
2. Task Group Membership (3:15 pm – 3:45 pm)
  - a. Review existing members and participation.
  - b. Discussion on membership.
    - i. State DOTs.
    - ii. AASHTO Component Committee members.
    - iii. Manufacturers.
    - iv. Academia.

- c. Volunteers to approach potential new members.
- 3. Old Business (3:45 pm – 4:30 pm)
  - a. Discussion on potential future enhancements to the G9.1 document.
    - i. Add provisions for the design of bridges for future jacking for bearing maintenance.
      - 1. Approach to jacking details.
      - 2. Jacking calculation approach.
      - 3. Live load jacking?
    - ii. Other ideas.
  - b. Potential future work of the Task Group.
    - i. Update on spreadsheet for elastomeric bearing design.
  - c. Discussion on collaboration with new AASHTO COBS Components Committee.
    - i. Mike will look to make a presentation to that committee to start discussions on collaboration efforts.
    - ii. Look to get members of this committee on TG-9.
- 4. New Business (4:30 pm – 4:55 pm)
  - a. Bearing research.
    - i. Disc bearing provisions for AASHTO LRFD BDS?
    - ii. Any ideas for new research?
- 5. Future meetings (4:55 pm – 5:00 pm)
- 6. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

### TG 10 Erection

Omni Providence Hotel

Providence, RI

Room Name: Narragansett A

**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

**Vice Chair:** Jason Stith - Michael Baker International

**Assigned Notetaker:** Travis Hopper - NSBA

#### **Zoom Information**

**Meeting Link:** <https://us02web.zoom.us/j/84249370998>

**Zoom Meeting ID:** 842 4937 0998

#### **Meeting Agenda: 4/18/2024 (8:00 am - 10:00 am ET)**

1. Chairperson's Welcome (8:00 am – 8:10 am)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct.](#)
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes.](#)
2. Presentation "Tower Crane Supports at the Gordie Howe Bridge" (8:10 am – 8:40 am)
3. Working session on UPCOMING G10.2 guideline document (8:40 am – 9:50 am)
  - a. Confirm author assignment and provide additional resources as needed.
  - b. Review and discuss new content.
4. Other topics for discussion (9:50 am – 10:00 am)
5. Adjourn



# AASHTO/NSBA Steel Bridge Collaboration

## TG 11 Design

Omni Providence Hotel

Providence, RI

Room Name: Narragansett A

**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 - Michael Baker International

**Vice Chair:** Domenic Coletti - HDR

**Assigned Notetaker:** Christopher Garrell - NSBA

### **Zoom Information**

#### **Meeting Link:**

<https://us02web.zoom.us/j/81629654299>

**Zoom Meeting ID:** 816 2965 4299

### **Meeting Agenda: 4/17/2024 (10:00 am - noon ET)**

1. Chairperson's Welcome (10:00 am – 10:10 am)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct.](#)
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes.](#)
2. Announcements and Administrative Items (10:10 am - 10:15 am)
3. Presentation (10:15 am - 10:40 am)
4. Guidelines for the Design of Cross Frames & Diaphragms (10:45 am - 11:30 am)
  - a. Discussion on any final items
  - b. Timeline
    - i. April & May - Small group final review
    - ii. June – Address Small group review comments.
    - iii. July - TG11 Ballot
    - iv. August - Address TG11 ballot comments
    - v. September - Main Committee ballot
    - vi. October – Address Main Committee ballot comments

- vii. November - Send to AASHTO Steel and Metals Committee for review.
  - viii. December - Address AASHTO Steel and Metals comments.
  - ix. January - Present at AASHTO Steel and Metals winter meeting, possibly forward on to AASHTO COBS group.
5. General Open Discussion (11:30 am - noon)
- a. Next potential items for the next design TG task.
  - b. Lateral Bracing
  - c. Stability and Strength computations for cross-frames
6. Adjourn



# AASHTO/NSBA Steel Bridge Collaboration

## TG 12 Design for Constructability and Fabrication

Omni Providence Hotel  
Providence, RI  
Room Name: Narragansett 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 Leadership**

**Chair:** Christina Freeman - FDOT

**Vice Chair:** Russell Jeck - Siefert Associates LLC

**Assigned Notetaker:** Anthony Peterson - NSBA

### **Zoom Information**

#### **Meeting Link:**

<https://us02web.zoom.us/meeting/register/tZUqdemorDgoHt1oGH0bqbF9w8RhMxCjIAkn>

**Zoom Meeting ID:** 817 2002 3249

### **Meeting Agenda: 4/16/2024 (9:00 am - 10:30 am ET)**

1. Chairperson's Welcome (9:00 am – 9:10 am)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct.](#)
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes.](#)
  
2. Emergency Repairs NJ Turnpike Interchange 7 Ramp over Route 204 (9:10 am – 9:55 am)

Presented by Brian J. Atkinson, PE (HNTB)

On Thursday evening, March 10, 2022, an over-height tractor trailer, which had become separated from its escort vehicle, was traveling in the center lane of US Route 206 SB and struck Turnpike Bridge No. 53.28B. Ramp traffic was immediately diverted until the bridge could be inspected and deemed safe, which created extensive backups and ultimately forced the New Jersey Turnpike Authority (the Authority) to close Interchange 7. Four of the eight girders in the bridge span over Route 206 SB were found to be severely damaged as a result of the impact, prompting the NJDOT to close Route 206 SB.

HNTB's inspection and design staff responded promptly and worked diligently to reopen Route 206 SB by Friday evening, March 11 (24 hours from the incident). A cross-over and detour for the ramp traffic was designed and constructed by 5pm Sunday, March 13, leading to the reopening of Interchange 7, less than 72 hours after the initial bridge strike. Once the interchange was reopened, the Authority tasked HNTB to investigate repair and replacement options for the damaged bridge span.

From the initial incident through construction, HNTB worked through procurement issues to provide the Authority with a new span that increased the vertical clearance, making it possible to complete the emergency repairs and fully open the bridge to traffic on October 7 – a week ahead of schedule and more than \$1.5 million under budget.

2. Plate Availability Table (Note updated [NSBA Plate Availability Page](#)) (9:55 am – 10:10 am)
3. Discussion (10:10 am – 10:20 am)
  - a. Issues that members have experienced and that could be addressed at future meetings
  - b. Closing Remarks
4. Adjourn



# AASHTO/NSBA Steel Bridge Collaboration

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

Omni Providence Hotel  
Providence, RI  
Room Name: Narragansett A

**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

**Vice Chair:** Brandon Chavel - Michael Baker International

**Assigned Notetaker:** Anthony Peterson - NSBA

### **Zoom Information**

**Meeting Link:**

[https://us02web.zoom.us/meeting/register/tZUqdemorDgoHt1oGH0bqbF9w8RhMxCjIAkn](https://us02web.zoom.us/join/zoom-join?from=addon&url=https://us02web.zoom.us/join/zoom-join?from=addon&url=https://us02web.zoom.us/meeting/register/tZUqdemorDgoHt1oGH0bqbF9w8RhMxCjIAkn)

**Zoom Meeting ID:** 817 2002 3249

### **Meeting Agenda: 4/16/2024 (10:30 am - noon ET)**

1. Chairperson's Welcome (10:30 am – 10:40 am)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct.](#)
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes.](#)
2. Redundancy of Triple I-Section Bent Caps (10:40 am – 11:20 am)
  - a. Presentation by Michael Culmo, PE (CHA)
  - b. Existing coverage in G12.2 – Guidelines for Steel Bent Caps
  - c. Discussion
3. Discuss NYSDOT comments on G12.2 – Guidelines for Steel Bent Caps (11:20 am – 11:50 am)
  - a. Single I-section bent cap
  - b. High Performance Steel
  - c. System Factor



- d. Web Tensile Zone Designation for Composite Bent Cap
- 4. Open Discussion (11:50 am – noon)
  - a. Issues that members have experienced and that could be addressed at future meetings
  - b. Closing Remarks
- 5. Adjourn



# AASHTO/NSBA Steel Bridge Collaboration

## TG 13 Analysis of Steel Bridges

Omni Providence Hotel  
Providence, RI

Room Name: Narragansett A

**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

**Vice Chair:** Francesco Russo - Russo Structural Services

**Assigned Notetaker:** Travis Hopper - NSBA

### Zoom Information

**Meeting Link:**

[https://us02web.zoom.us/meeting/register/tZMrdOGgzsjHdATEBCHEQ3U\\_Qr5zEvpPSES](https://us02web.zoom.us/meeting/register/tZMrdOGgzsjHdATEBCHEQ3U_Qr5zEvpPSES)

**Zoom Meeting ID:** 876 3885 0974

### **Meeting Agenda: 4/16/2024 (1:00 pm - 3:00 pm ET)**

1. Chairperson's Welcome (1:00 pm – 1:10 pm)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct.](#)
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes.](#)
2. General Announcements (1:10 pm – 1:25 pm)
  - a. Conferences/Research/Publications.
  - b. NSBA Update – Travis Hopper.
  - c. FHWA Update – Dayi Wang, FHWA Steel Specialist.
  - d. TRB AKB20 (Steel Bridges Committee) Update – Brandon Chavel.
  - e. AASHTO Bridge Update (T-14 Structural Steel Design) – Tony Ream.
3. “Curved Steel Plate Girders: Analysis Techniques and Comparisons,” Chris Duncan and Christopher Fuller (1:25 pm – 1:45 pm)
4. “Streamlining Analysis of Tied Arches,” Jeff Svatora (1:45 pm – 2:15 pm)
5. G13.2 Guidelines for Steel Truss Bridge Analysis - COBs review (2:15 pm – 2:25 pm)
6. Software Validation and Checking Complex Models - Survey Results (2:25 pm – 2:50 pm)

7. New document topics (2:50 pm to 3:00 pm)
  - a. Buckling and Global Stability Analyses
  - b. Arch Analysis
8. Adjourn



# AASHTO/NSBA Steel Bridge Collaboration

## TG 14 Field Repairs and Retrofits

Omni Providence Hotel  
Providence, RI

Room Name: Narragansett A

**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

**Vice Chair:** Nick Haltvick - Minnesota Department of Transportation

**Assigned Notetaker:** Christopher Garrell - NSBA

### **Zoom Information**

**Meeting Link:** [https://us02web.zoom.us/meeting/register/tZEpcyurDkrGt2As6bl-Uq\\_Hc2XvSI5S45j](https://us02web.zoom.us/meeting/register/tZEpcyurDkrGt2As6bl-Uq_Hc2XvSI5S45j)

**Zoom Meeting ID:** 854 6562 2109

### **Meeting Agenda: 4/17/2024 (8:00 am - 10:00 am ET)**

1. Chairperson's Welcome (8:00 am – 8:10 am)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct](#).
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes](#).
2. Announcements - [G14.2 Released](#) (8:10 am – 8:20 am)
3. G14.3 Discussions (8:20 am – 10:00 am)
  - a. Discuss the approval process at a high-level.
  - b. Discuss what the “final format” will be.
  - c. Discuss/vet any available details.
4. Adjourn



# AASHTO/NSBA Steel Bridge Collaboration

## TG 15 Data Modeling for Interoperability

Omni Providence Hotel

Providence, RI

Room Name: Narragansett B

**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

**Vice Chair:** Grant Schmitz - HDR

**Assigned Notetaker:** Jeff Carlson - NSBA

### **Zoom Information**

**Meeting Link:**

<https://us02web.zoom.us/join/joinMeeting/tZEvdeirqj4sGdNBFQZL7mhHz9gNWyPnvHEn>

**Zoom Meeting ID:** 852 2134 5637

### **Meeting Agenda: 4/16/2024 (1:00 pm - 3:00 pm ET)**

1. Chairperson's Welcome (1:00 pm – 1:10 pm)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct.](#)
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes.](#)
2. Pooled Fund Projects Update (1:10 pm – 1:20 pm)
  - a. BIM for Bridges.
  - b. BIM for Infrastructure.
3. Process Map and IDM (1:20 pm – 1:50 pm)
  - a. Identify who can review and provide the data requirements to the Owner and GC exchanges.
  - b. Review outstanding items needed to finalize the IDM.
4. Data Dictionary (1:50 pm – 3:00 pm)
  - a. Overview.
  - b. Working group for the reorganization of fabrication terms.
  - c. Discussion.

5. Adjourn



## AASHTO/NSBA Steel Bridge Collaboration

### TG 16 Orthotropic Deck Panels

Omni Providence Hotel

Providence, RI

Room Name: Narragansett 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 Leadership**

**Chair:** Sougata Roy - Consultant

**Vice Chair:** Frank Artmont - Modjeski & Masters, Inc.

**Assigned Notetaker:** Jeff Carlson - NSBA

#### **Zoom Information**

**Meeting Link:** [https://us02web.zoom.us/meeting/register/tZlscu-ppzooHdS2VWh-xRTqEWsl44stNT53](https://us02web.zoom.us/join/https://us02web.zoom.us/meeting/register/tZlscu-ppzooHdS2VWh-xRTqEWsl44stNT53)

**Zoom Meeting ID:** 861 5619 1270

#### **Meeting Agenda: 4/16/2024 (9:00 am - noon ET)**

1. Chairperson's Welcome (9:00 am – 9:10 am)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct](#).
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes](#).
  - d. Updates and Announcements - Workshop at IBC, 2024.
2. Review of Mission Statement.
3. Review of Committee Revised Goals – Action Items.
  - a. Targeted presentations (20 minutes each) due date 02/01/24
    - i. Owners – Sougata Roy (lead), Terry Logan.
    - ii. Designers – Frank Artmont (lead), Justin Dahlberg, Keith Greising, Sougata Roy.
    - iii. Fabricators – Terry Logan (lead), Chris Haberle, Ronnie Medlock.
  - b. MSC Article – Justin Dahlberg (lead), Frank Artmont, Duncan Patterson, Terry, Logan, Ronnie Medlock, Sougata Roy, Tom Murphy – due date 11/30/23.

- c. Filling the Knowledge Gaps - Rough plans for FHWA optional task, Justing Dahlberg – 12/31/23.
- 4. Discussion on State of Practice Synthesis Document
  - a. Review sections
  - b. Monthly webinar meetings schedule
- 5. Short Span Orthotropic Update (SSSBA) collaboration update
- 6. General update on ongoing projects/research
- 7. Old business and additional discussion
- 8. Adjourn





## AASHTO/NSBA Steel Bridge Collaboration

TG 17 Steel Castings

Omni Providence Hotel

Providence, RI

Room Name: Narragansett B

**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

**Vice Chair:** Jason Stith - Michael Baker International

**Assigned Notetaker:** Jeff Carlson - NSBA

### **Zoom Information**

#### **Meeting Link:**

<https://us02web.zoom.us/join/9876543210>

**Zoom Meeting ID:** 816 6093 8889

### **Meeting Agenda: 4/17/2024 (8:00 am - 10:00 am ET)**

1. Chairperson's Welcome (8:00 am – 8:15 am)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct.](#)
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes.](#)
2. Review of Draft S Document (See Appendix C – Meeting Attachments - TG 17 Steel Castings) (8:15 am – 9:45 am)
3. Next Steps and Action Items (9:45 am – 10:00 am)
4. Adjourn



# AASHTO/NSBA Steel Bridge Collaboration

## TG 18 Duplex Stainless Steel

Omni Providence Hotel

Providence, RI

Room Name: Narragansett B

**Task Group Mission:** This Task Group will include experts from the carbon steel and stainless steel communities and will work together to develop standalone material, design, welding, fabrication, and construction guide specifications for using duplex stainless steel for vehicular plate girder bridges. These guide specifications will be largely based on existing duplex stainless steel design and fabrication specifications (such as AISC 370), but will be revised to provide the same formatting and flow as the standards typically used in the steel bridge community, such as AASHTO LRFD or AASHTO/AWS D1.5.

### Task Group Leadership

**Chair:** Jason Provines - Virginia Department of Transportation

**Vice Chair:** Nancy Baddoo - Steel Construction Institute

**Assigned Notetaker:** Anthony Peterson - NSBA

### Zoom Information

#### **Meeting Link:**

<https://us02web.zoom.us/meeting/register/tZAudeypqTMsEt1SLG6Ahi3C1e5jyU1rm5fd>

**Zoom Meeting ID:** 843 2517 8689

### **Meeting Agenda: 4/18/2024 (8:00 am - 10:00 am ET)**

1. Chairperson's Welcome (8:00 am – 8:10 am)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct](#).
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes](#).
2. Announcements and Administrative Items (8:10 am - 8:15 am)
  - a. Task Group Mission
3. Duplex Materials Specification (8:15 am - 8:45 am)
  - a. Final Comments Before Beginning Balloting Process
4. Duplex Design Specification (8:45 am - 9:45 am)
  - a. Updates Since Last Meeting
  - b. Discussion Before Beginning Balloting Process
5. Duplex Welding Specification (9:45 am - 10:00 am)

- a. Updates Since Last Meeting
- 6. Adjourn



# AASHTO/NSBA Steel Bridge Collaboration

## MC Main Committee

Omni Providence Hotel

Providence, RI

Room Name: Narragansett 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 Leadership**

**Chair:** Ronnie Medlock - High Steel Structures

**Vice Chair:** Christina Freeman - FDOT

**Assigned Notetaker:** Christopher Garrell - NSBA

### **Meeting Agenda: 4/18/2024 (10:00 am - noon ET)**

1. Chairperson's Welcome (10:00 am – 10:15 am)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct.](#)
  - b. Introductions (as needed).
  - c. [Approval of Previous Meeting Minutes.](#)
2. Task Group Reports - Approximately five minutes each (10:15 am – 11:40 am)
  - a. TG 1 - Randy Hasrrison (W&W | AFCO Steel)
  - b. TG 2 - Heather Gilmer (Pennoni)
  - c. TG 4 - Jamie Hilton (KTA-Tator, Inc.)
  - d. TG 8 – Johnnie Miller (KTA-Tator, Inc.)
  - e. TG 9 - Michael Culmo (CHA Consulting, Inc.)
  - f. TG 10 - Brian Witte (Parsons)
  - g. TG 11 - Brandon Chavel (Michael Baker)
  - h. TG 12 - Christina Freeman (FDOT)
  - i. Joint TG 1 Detailing, TG 11 Design, TG 12 Constructability – Christina Freeman (FDOT)
  - j. TG 13 - Deanna Nevling (HDR)
  - k. TG 14 - Kyle Smith (GPI Construction Engineering)

- l. TG 15 - Aaron Costin (University of Florida)
  - m. TG 16 - Sougata Roy (Consultant)
  - n. TG 17 - Jennifer Pazdon (CAST CONNEX)
  - o. TG 18 - Jason Provines (VDOT)
3. Other Business (11:40 am – Noon)
  4. Adjourn



# AASHTO/NSBA Steel Bridge Collaboration

## New Attendee Introduction to the Collaboration (Optional)

Omni Providence Hotel  
Providence, RI  
Room Name: Narragansett B

**Purpose:** In the interest of there being quite a number of new attendees to the AASHTO/NSBA Steel Bridge Collaboration at this meeting, there will be an overview of the Collaboration, including its history, purpose, and operation, from 12:15 pm to 1 on Tuesday, 16 April, in Narragansett B. Attendees can grab their lunch and bring it to the session. Everyone, including both new and regular attendees, are welcome to attend.

### **Meeting Presenter**

Ronnie Medlock - High Steel Structures

### **Zoom Information**

**Meeting Link:** <https://us02web.zoom.us/meeting/register/tZEIc-ChrjwuHtCiINMjjUyRI09fvk6XZwf6>

**Zoom Meeting ID:** 858 4990 7444

### **Meeting Agenda: 4/16/2024 (12:15 pm – 1:00 pm ET)**

1. Welcome (12:15 pm – 12:25 pm)
  - a. [AISC Antitrust Policy and Meeting Code of Conduct](#).
  - b. Introductions.
2. Overview of Collaboration History, Purpose, and Operation (12:25 pm – 1:00 pm)
3. Adjourn

## Appendix A - Collaboration Document Status

Document	Status	Year Completed/Targeted	Task Group	Task Group Name	Document Title
G1.3.2002	Released	2002	1	Detailing	Shop Detail Drawing Presentation Guidelines
G1.2.2003	Released	2003	1	Detailing	Design Drawing Presentation Guidelines
G1.4.2006	Released	2006	1	Detailing	Guidelines for Design Details
G1.1.2020	Released	2020	1	Detailing	Shop Drawings Approval Review/Approval Guide
G1.3	Update - In-Progress	Unknown	1	Detailing	Shop Detail Drawing Presentation Guidelines
G1.4	Update - In-Progress	2025	1	Detailing	Guidelines for Design Details
S2.1.2018	Released	2018	2	Fabrication and Repair	Steel Bridge Fabrication Guide Specification
G2.2.2016	Released	2016	2	Fabrication and Repair	Guidelines for Resolution of Steel Bridge Fabrication Errors
G2.2	Update - In-Progress	Unknown	2	Fabrication and Repair	Guidelines for Resolution of Steel Bridge Fabrication Errors
G4.4.2006	Released	2006	4	QC/QA	Sample Owners Quality Assurance Manual
G4.1.2019	Released	2019	4	QC/QA	Steel Bridge Fabrication QC/QA Guidelines
G4.1	Update - In-Progress	2025	4	QC/QA	Steel Bridge Fabrication QC/QA Guidelines
G4.2.2021	Released	2021	4	QC/QA	Guidelines for the Qualification of Structural Bolting Inspectors
G4.2	Submitted to AASHTO CBS for Comment	2024	4	QC/QA	Guidelines for the Qualification of Structural Bolting Inspectors
G4.4	Update - In-Progress	2025	4	QC/QA	Sample Owners Quality Assurance Manual
S4.X	New - In-Progress	2025	4	QC/QA	Specification for Steel Bridge Third Party Quality Assurance
S8.1.2014	Released	2014	8	Coatings	Guide Specification for Application of Coating Systems
S8.1	Completed Task Group Ballot	2025	8	Coatings	Guide Specification for Application of Coating Systems
S8.2.2017	Released	2017	8	Coatings	Thermal Spray Coating Guide
S8.3	Released	2022	8	Coatings	Galvanizing Guide Specification
G8.4	New - In-Progress	Unknown	8	Coatings	Detailing for Coatings and Weathering Steel
G9.1	Released	2022	9	Bearings	Steel Bridge Bearing Design and Detailing Guidelines
S10.1.2023	Released	2023	10	Erection	Steel Bridge Erection Guide Specification
G10.2	New - In-Progress	2027	10	Erection	Behavior of Steel Bridges during Erection
G11.1	New - In-Progress	2025	11	Design	Guidelines for the Design of Cross-frame and Diaphragm Members
G12.1.2020	Released	2020	12	Design for Constructability and Fabrication	Guidelines to Design for Constructability and Fabrication
G12.1	Update - In-Progress	2026	12	Design for Constructability and Fabrication	Guidelines to Design for Constructability and Fabrication
G12.2	Submitted to AASHTO CBS for Comment	2024	12	Design for Constructability and Fabrication	Guidelines for Steel Bent Caps
G13.1.2019	Released	2019	13	Analysis of Steel Bridges	Guidelines for Steel Girder Bridge Analysis
G13.2	Submitted to AASHTO CBS for Comment	2024	13	Analysis of Steel Bridges	Guidelines for the Analysis of Trusses
G14.1.2021	Released	2021	14	Field Repairs and Retrofits	Maintenance Guidelines for Steel Bridges to Address Fatigue Cracking and Details at Risk of Constraint Induced Fracture
G14.2.2023	Released	2023	14	Field Repairs and Retrofits	Guidelines for Field Repairs and Retrofits of Steel Bridges
G14.3	New - In-Progress	2025	14	Field Repairs and Retrofits	Database of Sample Field Repair and Retrofit Details for Steel Bridges
G15.10	On Hold	Unknown	15	Data Modeling for Interoperability	BRIM Process Model Definition for Steel Bridge Erection
G15.1	On Hold	Unknown	15	Data Modeling for Interoperability	Designer/Fabricator Exchange
G16.1	New - In-Progress	Unknown	16	Orthotropic Deck Panels	Guidelines for the Manufacture of Orthotropic Decks and State of Practice
S17.1	New - In-Progress	2026	17	Steel Castings	Guide Specification for Cast Steel Connections
G18.1	New - In-Progress	Unknown	18	Duplex Stainless Steel	Guide Specification for Duplex Stainless Steel - Material
G18.2	New - In-Progress	Unknown	18	Duplex Stainless Steel	Guide Specification for Duplex Stainless Steel - Design
G18.3	New - In-Progress	Unknown	18	Duplex Stainless Steel	Guide Specification for Duplex Stainless Steel - Fabrication

## Appendix B – Member Rosters (2024 – 2025)

### TG 1 Detailing

First Name	Last Name	Company	Professional Title	Primary Business Type
Randy	Harrison	W&W   AFCO Steel	Manager Bridge Drafting	Fabricator
Domenic	Coletti	HDR	Principal Professional Associate	Consultant
Brad	Dillman	High Steel Structures	VP of Engineering	Fabricator
Keith	Griesing	Hardesty & Hanover, LLC	Chief Technical Officer	Consultant
Yuying	Hu	MnDOT	Assistant Fabrication Methods Engineer	Bridge Owner
Zane	Keniston	QMC Auditing		Inspection Services
Frank	Kingston	abs Structural Corporation	President	Detailer
Jihshya	Lin	MnDOT	Bridge Evaluation and Fabrication Methods Engineer	Bridge Owner
Eric	Rau	HDR	Senior Bridge Engineer	Consultant
Francesco	Russo	Russo Structural Services	Principal	Consultant
William	Salle	LB Construction		Contractor
Jason	Stith	Michael Baker International	Technical Manager	Consultant
Jonathan	Stratton	Eastern Steel Works, Inc.	Managing Partner	Fabricator
Brian	Watson	HDR	Senior Bridge Engineer	Consultant
Brian	Wolfe	MDTA	Deputy Director of Engineering	Bridge Owner
Gary	Wisch	DeLong's, Inc.	Vice President, Engineering	Fabricator



TG 2 Fabrication and Repair

First Name	Last Name	Company	Professional Title	Primary Business Type
Heather	Gilmer	Pennoni	Senior Engineer	Inspection Services
Art	Bustos	AISC	Certification Program Analyst	Trade Organization
Hannah	Cheng	New Jersey DOT	Project Engineer	Bridge Owner
Robert	Connor	Purdue University	Professor	Academia
Donn	Digamon	Georgia Department of Transportation	Bridge Design Group Leader	Bridge Owner
Brad	Dillman	High Steel Structures	VP of Engineering	Fabricator
Jon	Edwards	DOT Quality Services	Technical Director	Inspection Services
John	Gast	Consultant	Steel Bridge Erection Consultant	Consultant
Jason	Gramlick	California Department of Transportation	Associate Steel Inspector	Bridge Owner
Keith	Griesing	Hardesty & Hanover, LLC	Chief Technical Officer	Consultant
Randy	Harrison	W&W AFCO Steel	Manager Bridge Drafting	Fabricator
Jamie	Hilton	KTA-Tator, Inc.	Vice President	Inspection Services
Dave	Johnson	Industrial Steel Construction, Inc.	0	Fabricator
Zane	Keniston	QMC Auditing	0	Inspection Services
Jihshya	Lin	MnDOT	Bridge Evaluation and Fabrication Methods Engineer	Bridge Owner
Ronnie	Medlock	High Steel Structures	VP - Technical Services	Fabricator
Teresa	Michalk	Texas DOT Material and Tests Div.	Transportation Engineer	Bridge Owner
Eric	Rau	HDR	Senior Bridge Engineer	Consultant
Sougata	Roy	Consultant	0	Consultant
Phillip	Sauser	UH Services Group	0	Inspection Services
Gerard	Sova	Hardesty & Hanover, LLC	Structural Engineer	Consultant
David	Stoddard	SSAB Americas	Senior Application Engineer	Material Producer
Jonathan	Stratton	Eastern Steel Works, Inc.	Managing Partner	Fabricator
Brad	Streeter	Scougal Rubber Corporation	Quality Manager	Fabricator
Gary	Wisch	DeLong's, Inc.	Vice President, Engineering	Fabricator
Duncan	Paterson	Alfred Benesch & Company	Technical Manager	Consultant

TG 4 QC/QA

First Name	Last Name	Company	Professional Title	Primary Business Type
Jamie	Hilton	KTA-Tator, Inc.	Vice President	Inspection Services
Art	Bustos	AISC	Certification Program Analyst	Trade Organization
Matthew	Conso	KTA-Tator, Inc.	Engineer/Project Management Specialist	Inspection Services
Terry	Cummings	TRC Solutions	Project Manager	Inspection Services
Melissa	Dawson	WSP	Structural Engineer	Consultant
Heather	Gilmer	Pennoni	Senior Engineer	Inspection Services
Chad	Hawkins	Infrastructure Consulting and Engineering	Materials Laboratory Manager	Consultant
Robert	Horwhat	TRC Solutions	Director – Structural Materials Inspection	Inspection Services
Dave	Johnson	Industrial Steel Construction, Inc.		Fabricator
Zane	Keniston	QMC Auditing		Inspection Services
Terry	Logan	Atema, Inc.	VP and Director of Overseas Operations	Inspection Services
Teresa	Michalk	Texas DOT Material and Tests Div.	Transportation Engineer	Bridge Owner
Anna	Petroski	Atema, Inc.	President	Inspection Services
Shawn	Potter	Contech Engineering	Senior Quality Engineer	Fabricator
Jeremy	Rice	Veritas Steel	Process Improvement Coordinator	Fabricator
Phillip	Sauser	UH Services Group		Inspection Services
Jonathan	Stratton	Eastern Steel Works, Inc.	Managing Partner	Fabricator
Brad	Streeter	Scougal Rubber Corporation	Quality Manager	Fabricator
Maury	Tayarani	Pennoni	Senior Engineer	Inspection Services
Gary	Wisch	DeLong's, Inc.	Vice President, Engineering	Fabricator
Robin	Dunlap	High Steel Structures	Quality Control Manager	Fabricator

TG 8 Coatings

First Name	Last Name	Company	Professional Title	Primary Business Type
Peter	Ault	Elzly Technology/KTA Tator		Inspection Services
Caroline	Bennett	University of Kansas	Associate Professor	Academia
Derrick	Castle	Sherwin Williams		Coatings
William	Corbett	KTA-Tator, Inc.	Chief Operating Officer	Consultant
Terry	Cummings	TRC Solutions	Project Manager	Inspection Services
Jon	Edwards	DOT Quality Services	Technical Director	Inspection Services
Heather	Gilmer	Pennoni	Senior Engineer	Inspection Services
Jamie	Hilton	KTA-Tator, Inc.	Vice President	Inspection Services
Zane	Keniston	QMC Auditing		Inspection Services
Kara	Lorenz	High Steel Structures, LLC	Specifications Specialist	Fabricator
Ronnie	Medlock	High Steel Structures	VP - Technical Services	Fabricator
Teresa	Michalk	Texas DOT Material and Tests Div.	Transportation Engineer	Bridge Owner
Shawn	Potter	Contech Engineering	Senior Quality Engineer	Fabricator
David	Stoddard	SSAB Americas	Senior Application Engineer	Material Producer
Brad	Streeter	Scougal Rubber Corporation	Quality Manager	Fabricator
Maury	Tayarani	Pennoni	Senior Engineer	Inspection Services
Gary	Wisch	DeLong's, Inc.	Vice President, Engineering	Fabricator
Johnnie	Miller	KTA-Tator, Inc.	Senior Project Engineer	Inspection Services

TG 9 Bearings

First Name	Last Name	Company	Professional Title	Primary Business Type
Michael	Culmo	CHA Consulting, Inc.	Chief Bridge Engineer	Consultant
Robert	Brantley	STV Incorporated	0	Consultant
Domenic	Coletti	HDR	Principal Professional Associate	Consultant
Zane	Keniston	QMC Auditing	0	Inspection Services
Jihshya	Lin	MnDOT	Bridge Evaluation and Fabrication Methods Engineer	Bridge Owner
Teresa	Michalk	Texas DOT Material and Tests Div.	Transportation Engineer	Bridge Owner
Abbas	Mokhtar-zadeh	Westinghouse, Stone & Webster	0	Contractor
Sougata	Roy	Consultant	0	Consultant
Francesco	Russo	Russo Structural Services	Principal	Consultant
Gerard	Sova	Hardesty & Hanover, LLC	Structural Engineer	Consultant
Brad	Streeter	Scougal Rubber Corporation	Quality Manager	Fabricator
Michael	Sullivan	CME Associates, Inc.	Senior Project Manager	Consultant
Yonghai	Wan	WSP	0	Consultant
Gary	Wisch	DeLong's, Inc.	Vice President, Engineering	Fabricator
Ron	Watson	RJ Watson, Inc.	President	Fabricator

TG 10 Erection

First Name	Last Name	Company	Professional Title	Primary Business Type
Brian	Witte	Parsons	Vice President, Construction Engineering	Contractor
Brandon	Chavel	Michael Baker International	Area Technical Manager - Bridge	Consultant
Brian	Wolfe	MDTA	Deputy Director of Engineering	Bridge Owner
Christina	Freeman	Florida Department of Transportation	Structures Research Engineer	Bridge Owner
David	Fish	Texas Department of Transportation		Bridge Owner
Domenic	Coletti	HDR	Principal Professional Associate	Consultant
Douglas	Whittaker	Michael Baker International		Consultant
Eric	Rau	HDR	Senior Bridge Engineer	Consultant
Francesco	Russo	Russo Structural Services	Principal	Consultant
Gerard	Sova	Hardesty & Hanover, LLC	Structural Engineer	Consultant
Heather	Gilmer	Pennoni	Senior Engineer	Inspection Services
John	Gast	Consultant	Steel Bridge Erection Consultant	Consultant
Joshua	Orton	Brasfield & Gorrie, LLC	Senior Design Engineer	Consultant
Kyle	Smith	GPI	Assistant Vice President / Director of Structural Engineering	Consultant
Maury	Tayarani	Pennoni	Senior Engineer	Inspection Services
Natalie	McCombs	HNTB	Senior Bridge Technical Advisor	Consultant
Nickolas	Haltvick	Minnesota Department of Transportation		Bridge Owner
Ronnie	Medlock	High Steel Structures	VP - Technical Services	Fabricator
Russell	Jeck	Senior Project Manager	Siefert Associates	Contractor
Stephen	Percassi	Genesis Structures, Inc.	Senior Structural Engineer	Consultant
Todd	Helwig	University of Texas at Austin	Professor	Academia
Zane	Keniston	QMC Auditing		Inspection Services
Jason	Stith	Michael Baker International	Technical Manager	Consultant

TG 11 Design

First Name	Last Name	Company	Professional Title	Primary Business Type
Brandon	Chavel	Michael Baker International	Area Technical Manager - Bridge	Consultant
Frank	Artmont	Modjeski & Masters, Inc.	Engineer – Structures	Consultant
Brian	Atkinson	HNTB		Consultant
Shane	Beabes	AECOM	Associate Vice President	Consultant
Allan	Berry	HDR	South Florida Structures Section Manager	Consultant
Travis	Butz	Burgess and Niple	Senior Bridge Engineer	Consultant
Nicholas	Cervo	HDR	Structural Engineer	Consultant
Robert	Connor	Purdue University	Professor	Academia
Brad	Dillman	High Steel Structures	VP of Engineering	Fabricator
Thomas	Eberhardt	HDR	Columbus Bridge Section Manager	Consultant
David	Fish	Texas Department of Transportation		Bridge Owner
Karl	Frank	Consultant	Consultant	Trade Organization
Bernard	Frankl	DOWL		Consultant
Christina	Freeman	Florida Department of Transportation	Structures Research Engineer	Bridge Owner
Keith	Griesing	Hardesty & Hanover, LLC	Chief Technical Officer	Consultant
Todd	Helwig	University of Texas at Austin	Professor	Academia
Srinivasa	Kotha	PGH Wong Engineering, Inc	Bridge Engineer	Consultant
Alex	Lim	Oregon Department of Transportation	Steel Bridge Standards Engineer	Bridge Owner
Natalie	McCombs	HNTB	Senior Bridge Technical Advisor	Consultant
Bryan	Miller	Pennsylvania Department of Transportation		Bridge Owner
Deanna	Nevling	HDR	Senior Bridge Engineer	Consultant
Dusten	Olds	HDR	Senior Bridge Engineer	Consultant
Joshua	Orton	Brasfield & Gorrie, LLC	Senior Design Engineer	Consultant
Stephen	Percassi	Genesis Structures, Inc.	Senior Structural Engineer	Consultant
Taylor	Perkins	Stantec		Consultant
Anthony	Ream	HDR	Senior Bridge Engineer	Consultant
Francesco	Russo	Russo Structural Services	Principal	Consultant

<b>First Name</b>	<b>Last Name</b>	<b>Company</b>	<b>Professional Title</b>	<b>Primary Business Type</b>
Kyle	Smith	GPI	Assistant Vice President / Director of Structural Engineering	Consultant
Gerard	Sova	Hardesty & Hanover, LLC	Structural Engineer	Consultant
Jason	Stith	Michael Baker International	Technical Manager	Consultant
Jeff	Svatora	HDR	Bridge Engineer	Consultant
Brian	Watson	HDR	Senior Bridge Engineer	Consultant
Donald	White	Georgia Tech		Academia
Brian	Wolfe	MDTA	Deputy Director of Engineering	Bridge Owner
Domenic	Coletti	HDR	Principal Professional Associate	Consultant

TG 12 Design for Constructability and Fabrication

First Name	Last Name	Company	Professional Title	Primary Business Type
Christina	Freeman	Florida Department of Transportation	Structures Research Engineer	Bridge Owner
Frank	Artmont	Modjeski & Masters, Inc.	Engineer – Structures	Consultant
Allan	Berry	HDR	South Florida Structures Section Manager	Consultant
Travis	Butz	Burgess and Niple	Senior Bridge Engineer	Consultant
Brandon	Chavel	Michael Baker International	Area Technical Manager - Bridge	Consultant
Bret	Clark	Flatiron	Construction Engineer	Contractor
Domenic	Coletti	HDR	Principal Professional Associate	Consultant
Brad	Dillman	High Steel Structures	VP of Engineering	Fabricator
David	Fish	Texas Department of Transportation		Bridge Owner
Heather	Gilmer	Pennoni	Senior Engineer	Inspection Services
Keith	Griesing	Hardesty & Hanover, LLC	Chief Technical Officer	Consultant
Randy	Harrison	W&W AFCO Steel	Manager Bridge Drafting	Fabricator
Greg	Hasbrouck	Parsons	Complex Bridge Technical Specialist	Consultant
Todd	Helwig	University of Texas at Austin	Professor	Academia
Frank	Kingston	abs Structural Corporation	President	Detailer
Natalie	McCombs	HNTB	Senior Bridge Technical Advisor	Consultant
Ronnie	Medlock	High Steel Structures	VP - Technical Services	Fabricator
Deanna	Nevling	HDR	Senior Bridge Engineer	Consultant
Dusten	Olds	HDR	Senior Bridge Engineer	Consultant
Duncan	Paterson	Alfred Benesch & Company	Technical Manager	Consultant
Stephen	Percassi	Genesis Structures, Inc.	Senior Structural Engineer	Consultant
Eric	Rau	HDR	Senior Bridge Engineer	Consultant
Anthony	Ream	HDR	Senior Bridge Engineer	Consultant
Francesco	Russo	Russo Structural Services	Principal	Consultant
Grant	Schmitz	HDR	Bridge Engineer	Consultant
Kyle	Smith	GPI	Assistant Vice President / Director of Structural Engineering	Consultant
Gerard	Sova	Hardesty & Hanover, LLC	Structural Engineer	Consultant
Jason	Stith	Michael Baker International	Technical Manager	Consultant
Brian	Watson	HDR	Senior Bridge Engineer	Consultant



<b>First Name</b>	<b>Last Name</b>	<b>Company</b>	<b>Professional Title</b>	<b>Primary Business Type</b>
Donald	White	Georgia Tech		Academia
Brian	Witte	Parsons	Vice President, Construction Engineering	Contractor
Brian	Wolfe	MDTA	Deputy Director of Engineering	Bridge Owner
Russell	Jeck	Senior Project Manager	Siefert Associates	Contractor

TG 13 Analysis of Steel Bridges

First Name	Last Name	Company	Professional Title	Primary Business Type
Deanna	Nevling	HDR	Senior Bridge Engineer	Consultant
Frank	Artmont	Modjeski & Masters, Inc.	Engineer – Structures	Consultant
Zeynep	Bayam	OpenBrIM	Vice President, Strategic Growth	Software
Shane	Beabes	AECOM	Associate Vice President	Consultant
Allan	Berry	HDR	South Florida Structures Section Manager	Consultant
Travis	Butz	Burgess and Niple	Senior Bridge Engineer	Consultant
Nicholas	Cervo	HDR	Structural Engineer	Consultant
Brandon	Chavel	Michael Baker International	Area Technical Manager - Bridge	Consultant
Domenic	Coletti	HDR	Principal Professional Associate	Consultant
Douglas	Crampton	Wiss, Janney, Elstner Associates, Inc.	Associate Principal	Consultant
Thomas	Eberhardt	HDR	Columbus Bridge Section Manager	Consultant
Christina	Freeman	Florida Department of Transportation	Structures Research Engineer	Bridge Owner
Todd	Helwig	University of Texas at Austin	Professor	Academia
Dongzhou	Huang	Atkins	Consulting Engineer	Consultant
Natalie	McCombs	HNTB	Senior Bridge Technical Advisor	Consultant
Dusten	Olds	HDR	Senior Bridge Engineer	Consultant
Joshua	Orton	Brasfield & Gorrie, LLC	Senior Design Engineer	Consultant
Eric	Rau	HDR	Senior Bridge Engineer	Consultant
Anthony	Ream	HDR	Senior Bridge Engineer	Consultant
Kyle	Smith	GPI	Assistant Vice President / Director of Structural Engineering	Consultant
Gerard	Sova	Hardesty & Hanover, LLC	Structural Engineer	Consultant
Jason	Stith	Michael Baker International	Technical Manager	Consultant
Jeff	Svatora	HDR	Bridge Engineer	Consultant
Brian	Wolfe	MDTA	Deputy Director of Engineering	Bridge Owner
Francesco	Russo	Russo Structural Services	Principal	Consultant

TG 14 Field Repairs and Retrofits

<b>First Name</b>	<b>Last Name</b>	<b>Company</b>	<b>Professional Title</b>	<b>Primary Business Type</b>
Travis	Butz	Burgess and Niple	Senior Bridge Engineer	Consultant
Domenic	Coletti	HDR	Principal Professional Associate	Consultant
Robert	Connor	Purdue University	Professor	Academia
Douglas	Crampton	Wiss, Janney, Elstner Associates, Inc.	Associate Principal	Consultant
Christina	Freeman	Florida Department of Transportation	Structures Research Engineer	Bridge Owner
Heather	Gilmer	Pennoni	Senior Engineer	Inspection Services
Nickolas	Haltvick	Minnesota Department of Transportation		Bridge Owner
Hussam	Mahmoud	Colorado State University		Academia
Joshua	Orton	Brasfield & Gorrie, LLC	Senior Design Engineer	Consultant
Phillip	Sauser	UH Services Group		Inspection Services
Kyle	Smith	GPI	Assistant Vice President / Director of Structural Engineering	Consultant
Jonathan	Stratton	Eastern Steel Works, Inc.	Managing Partner	Fabricator
Brian	Wolfe	MDTA	Deputy Director of Engineering	Bridge Owner

TG 15 Data Modeling for Interoperability

First Name	Last Name	Company	Professional Title	Primary Business Type
Jerome	Atchison	abs Structural Corporation	IT	Detailer
Yash	Chowdhury	Hayduk Engineering		Consultant
Colby	Christensen	HDR	Bridges & Structures Digital Delivery Lead	Consultant
Aaron	Costin	University of Florida	Assistant Professor	Academia
Brad	Dillman	High Steel Structures	VP of Engineering	Fabricator
Randy	Harrison	W&W AFCO Steel	Manager Bridge Drafting	Fabricator
Hanjin	Hu	Michael Baker International		Consultant
Frank	Kingston	abs Structural Corporation	President	Detailer
Ronnie	Medlock	High Steel Structures	VP - Technical Services	Fabricator
Abbas	Mokhtar-zadeh	Westinghouse, Stone & Webster		Contractor
Phillip	Sauser	UH Services Group		Inspection Services
Grant	Schmitz	HDR	Bridge Engineer	Consultant
Jason	Stith	Michael Baker International	Technical Manager	Consultant
Eric	Stone	HNTB	Technologist (Bridge)	Consultant
Jonathan	Stratton	Eastern Steel Works, Inc.	Managing Partner	Fabricator
Cheng	Yu	University of North Texas		Academia

TG 16 Orthotropic Deck Panels

First Name	Last Name	Company	Professional Title	Primary Business Type
Sougata	Roy	Consultant		Consultant
Frederic	Bergeron	Canam Bridges	Senior Structural Engineer	Fabricator
Domenic	Coletti	HDR	Principal Professional Associate	Consultant
William	Collins	University of Kansas		Academia
Karl	Frank	Consultant	Consultant	Trade Organization
Keith	Griesing	Hardesty & Hanover, LLC	Chief Technical Officer	Consultant
Christian	Haberle	Haberle Steel	Vice President	Fabricator
Jamie	Hilton	KTA-Tator, Inc.	Vice President	Inspection Services
Terry	Logan	Atema, Inc.	VP and Director of Overseas Operations	Inspection Services
Ronnie	Medlock	High Steel Structures	VP - Technical Services	Fabricator
Duncan	Paterson	Alfred Benesch & Company	Technical Manager	Consultant
Anna	Petroski	Atema, Inc.	President	Inspection Services
David	Stoddard	SSAB Americas	Senior Application Engineer	Material Producer
Frank	Artmont	Modjeski & Masters, Inc.	Engineer – Structures	Consultant

TG 17 Steel Castings

<b>First Name</b>	<b>Last Name</b>	<b>Company</b>	<b>Professional Title</b>	<b>Primary Business Type</b>
Jennifer	Pazdon	Cast Connex	Vice President	Fabricator
Nicholas	Altebrando	STV Incorporated	National Director of Bridge Engineering	Consultant
Frank	Artmont	Modjeski & Masters, Inc.	Engineer – Structures	Consultant
Domenic	Coletti	HDR	Principal Professional Associate	Consultant
Carlos	de Oliveira	Cast Connex	President	Fabricator
Karl	Frank	Consultant	Consultant	Trade Organization
Heather	Gilmer	Pennoni	Senior Engineer	Inspection Services
Jason	Gramlick	California Department of Transportation	Associate Steel Inspector	Bridge Owner
Keith	Griesing	Hardesty & Hanover, LLC	Chief Technical Officer	Consultant
Greg	Hasbrouck	Parsons	Complex Bridge Technical Specialist	Consultant
Tom	Hickman	Hickman Consulting		Fabricator
Dawn	Lehman	University of Washington		Academia
Ronnie	Medlock	High Steel Structures	VP - Technical Services	Fabricator
Thomas	Murphy	Modjeski and Masters	Vice President / Chief Technical Officer	Consultant
Sougata	Roy	Consultant		Consultant
Jason	Stith	Michael Baker International	Technical Manager	Consultant

TG 18 Duplex Stainless Steel

First Name	Last Name	Company	Professional Title	Primary Business Type
Jason	Provines	Virginia Department of Transportation	Senior Research Scientist	Bridge Owner
Ted	Bush	HDR	Principal Bridge Engineer	Consultant
Brandon	Chavel	Michael Baker International	Area Technical Manager - Bridge	Consultant
Gary	Coates	Nickel Institute	Manager	Trade Organization
Karl	Frank	Consultant	Consultant	Trade Organization
Leroy	Gardner	Imperial College London	Professor	Academia
Stan	Gingrich	Amentum	Director	Consultant
Randy	Harrison	W&W AFCO Steel	Manager Bridge Drafting	Fabricator
Ronnie	Medlock	High Steel Structures	VP - Technical Services	Fabricator
Justin	Ocel	Federal Highway Administration	Structural Steel Research Program Manager	FHWA
Jennifer	Pazdon	Cast Connex	Vice President	Fabricator
Juan	Sobrino	Pedelta	CEO	Consultant
Nancy	Baddoo	Steel Construction Institute	Associate Director	Trade Organization

Main Committee

First Name	Last Name	Company	Professional Title	Primary Business Type
Ronnie	Medlock	High Steel Structures	VP - Technical Services	Fabricator
Frank	Artmont	Modjeski & Masters, Inc.	Engineer – Structures	Consultant
Brandon	Chavel	Michael Baker International	Area Technical Manager - Bridge	Consultant
Domenic	Coletti	HDR	Principal Professional Associate	Consultant
Aaron	Costin	University of Florida	Assistant Professor	Academia
Michael	Culmo	CHA Consulting, Inc.	Chief Bridge Engineer	Consultant
Brad	Dillman	High Steel Structures	VP of Engineering	Fabricator
Karl	Frank	Consultant	Consultant	Trade Organization
Heather	Gilmer	Pennoni	Senior Engineer	Inspection Services
Randy	Harrison	W&W AFCO Steel	Manager Bridge Drafting	Fabricator
Jamie	Hilton	KTA-Tator, Inc.	Vice President	Inspection Services
Deanna	Nevling	HDR	Senior Bridge Engineer	Consultant
Duncan	Paterson	Alfred Benesch & Company	Technical Manager	Consultant
Jennifer	Pazdon	Cast Connex	Vice President	Fabricator
Sougata	Roy	Consultant		Consultant
Francesco	Russo	Russo Structural Services	Principal	Consultant
Phillip	Sauser	UH Services Group		Inspection Services
Kyle	Smith	GPI	Assistant Vice President / Director of Structural Engineering	Consultant
Jason	Stith	Michael Baker International	Technical Manager	Consultant
Jonathan	Stratton	Eastern Steel Works, Inc.	Managing Partner	Fabricator
Gary	Wisch	DeLong's, Inc.	Vice President, Engineering	Fabricator
Brian	Witte	Parsons	Vice President, Construction Engineering	Contractor
Brian	Wolfe	MDTA	Deputy Director of Engineering	Bridge Owner
Christina	Freeman	Florida Department of Transportation	Structures Research Engineer	Bridge Owner



## Appendix C – Meeting Attachments

## TG 4 QC/QA

**Document Link:** [S4.X Owner Inspector.docx](#)

## TG 8 Coatings

**Document Link:** [S8 1 TG Ballot Summary v03.xlsx](#), [S8.1 Zinc-Rich Coatings \(v2024\) - Ballot.docx](#)

## TG 17 Steel Castings

**Document Link:** [S17.1 Steel Castings for Transportation Structures.pdf](#)