

*1:00 P.M. to 3:00 P.M. EST, Tuesday, November 4th, 2025
Delta Hotel by Marriott, Waterloo ON*

Committee Attendance:

Pat Mayne (Chair)	Atlantic	Mitchell Swisher (abs)	Cleveland Cliffs
Terry Dunn	Atlantic	Jonathan Paton (abs)	Warner
Oliver Kearns	Atlantic	Mike Mounts	Valgroup
Scott MacRae	Armtec	Todd Gray	ACI
Bruce Matheson	Frontier	Derek Niezen (abs)	Ironside
Jaclyn Pittman (abs)	E.S. Hubbell	Richard Northcutt	MarMac
Kamran Derayah	AMD	P.C. Drouin(abs)	SDI
Sarodha Rajkumar	AMD	Cameron Hock (abs)	Island Culvert
Byron Nelson	Leland	Mike McGough (abs)	NCSPA
Mike Green (abs)	Leland	Ray Wilcock	CSPI

Members in Attendance

Marcia Stinson	AMD	David Soanes	Armtec
Jina Robertshaw	AMD	Matt Field	Atlantic
Jason Johnston	Armtec	Ian Kalverda	E.S. Hubbell
Liz Bouchard	Armtec	Mike Williamson	E.S. Hubbell
Roger Leger	Armtec		

1. Welcome and Opening Remarks

Pat opened the meeting at 1:00 p.m. and welcomed everyone. Attendance was taken and is recorded above.

2. Review Minutes from September 10th, 2025, and Approve

Minutes were sent to all committee members and those in attendance. A motion for approval was made by **Scott MacRae**, second by **Mike Mounts** and was carried unanimously.

3. Project List Update

a) CSA G401-24 update

- Standard contains 87 updates – some errata, some new
- Committee met on October 9th with 10 members attending
- Waiting on CSA to post to the public workspace
- Key updates include:
 1. Definitions – improve pipe arch
 2. Repairs reference to section 6.2 (3) & Polymer repairs (RanVar)

3. Table references to ASTM for Aluminized (Chemical Analysis)
4. Storage Stain detail when repairs are required
5. Note change for Galvanized Plate Table 1
6. Annex B – add figures for dissimilar and watertight couplers from MarMac (2)
7. Standard references updated

b) EPD's update

Greenhouse Gas Emissions	2018 Results	1.5 tonnes of CO2
	North American Average	1.453 tonnes of CO2
	AMD XCarb	1.0 tonnes of CO2

- AMD reviewed NA 2024 and determined there was an issue with recycling rates.
- 2024 results show a 3% decrease from 2018
- AMD XCARB results show a 33% decrease
- Will be republished and posted once corrected
- Carbon calculator will then be updated

c) MTO – OPSS 960 Structural Plate Package

Latest update:

Kris Mermigas has reached out for more information:

1. Standard Drawings
2. Table of Section Properties for all corrugations
3. Grouting and anchor bolt spacing

Response by mid November.

d) MTQ Standards update

- October 7th in Quebec City – met with 3 ministry personnel and 5 members attended.
- We discussed the responsibilities for the geotechnical consultant, structural engineer, manufacturer, & contractor to clear up foundation design confusion.
- The ministry is open to receiving some examples covering the roles within bridge projects. (AIL & Armtec to obtain).
- Sent Ministry information on the direction of HOC. Table pending completion.

e) AT Standards update

- Standard Specifications for Bridge Construction Edition 18, 2026
- 38 recommendations / comments were made
- Next step is follow up by AT in October with potential meetings if discussion is required.

Highlights:

- Mill Test Reports submission
- Recorrugated Ends
- Couplers
- Polymer repairs
- Inclusion of DCSP
- It was agreed to move forward with AT to discuss standard bridge package. Include Martin Maier from ISL engineering. Meeting to be set up in March 2026.

f) Handbook update

- 2 Year Project
- Member participation
- Chapter by chapter
- Work underway on design / HOC / standard references / compaction tables / culvert location / rehabilitation
- Plan is to keep HOC to ASTM <3M, CHBDC >3M
- Next Meeting to be called by Scott – January 2026.

4. Member / Ongoing Items update

a) AMD – discuss documents pertaining to wild / forest fires

Clean the damage surface to galvanized surface and follow these steps:

1. Clean the affected area.
2. Apply suitable zinc-rich paint or paste.
1. Comply with BS EN ISO 1461: 2022

Standard covers:

1. Coating requirements
2. Test methods
3. Inspection procedures
4. Applicability

Action:

- Technical Bulletin to be worked on this winter.

b) Cleveland Cliffs

Mitchell - not in attendance.

c) Valgroup

Mike – Dan Macorino has taken over commercial responsibility for our industry.

d) Leland

Byron – a Quebec galvanizer has closed their doors which is having an impact on supply and pricing. Supplies being brought in under tariffs has pushed prices higher.

e) Warner

Jonathan - not in attendance.

f) Ironside

Derek – not in attendance.

g) ACI - alternate products to RanVar

Todd – no update.

h) MarMac

Richard – working on reducing order / delivery time.

i) Steel Dynamics

P.C. – not in attendance.

5. Other Associations - Updates

a) NCSPA update

1. Handbook and EPD in progress.

b) ASTM update

1. Next meeting Nov 9-10 in Atlanta Georgia.
2. Spring meetings May 2026 in Dallas Texas.

c) TAC update / 2025 Fall Meetings & October Conference in Quebec City

Attended Spring Meetings (virtual)

- Oct 3rd Environmental Issues Committee
- Oct 3rd Environmental Legislation Committee
- Oct 3rd Climate Change Integrated Committee
- Oct 4th Structures Committee

Conference

- Abstract on "Underground Infrastructure — Getting to Net Zero" presented on Tuesday Oct 7th
- Moderated two sessions on October 6th & 7th.

d) **AASHTO / TRB / AREMA / AISI**

AASHTO [Nothing to report.](#)

TRB [Nothing to report.](#)

AREMA Reached out to Joel Hahm (Contech) for information on joining committee
Meetings are twice a year in February & August
Locations change every time and a field trip is normally included
Fees are nominal which allows one access to the ballots
Take next step if committee approves

[Move item to board meeting.](#)

AISI [Remove AISI for next meeting as there is no involvement.](#)

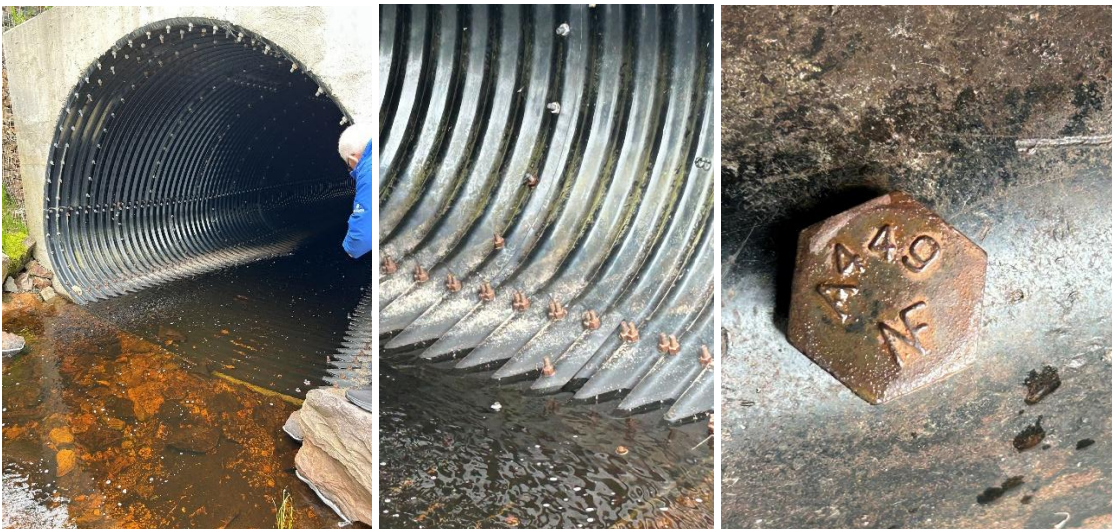
6. Discussion / Old / New Business

a) **Polymer repair Technical Bulletin updates**

- Both TB 2 & 17 updated and will be posted to the website.
- Changes include:
 - Ranvar allowed inside for repairs at the plant
 - Alternative tapes allowed to DENSO Butyl 35
 - Footers updated as approved at June meeting

b) **Bolt issue identified in Newfoundland and Labrador with salt seepage. Update from visit with Dave on June 24th**

Caplin Cove – built in 2018



Water Testing Results

Hardness	0	All coatings
PH	4	Polymer coated
Chlorides	9	All coatings

Low PH Acidity – decaying organic matter

Results:

- Combination of bolts were used with the majority being mechanical galvanized
- Found stainless steel nuts in the stream
- Bolts marked NF A449 were MG coating
- Majority of bolt heads were soil side, thus difficult to identify
- Have a sample to obtain a lab test – suggestions?

Action:

- Prepare a report for the committee.
- AIL & Armtec to review all jobs with NZF bolts and present to the committee their findings.
- Leland to provide an overview and template with regards to what they are looking at during inspections.

- c) **Alberta Transportation - Open Bottom Structures. Cookie cutter design, headwalls, cross sectional drawings, standard drawings, this number of boxes, arches, etc. Mimic concrete. ISG Engineering coordinating.**

Moved to Project List e).

- d) **Technical Bulletin #13, Performance Guideline for Buried Steel Structures – one update left – CHBDC soil environments.**

Pat to look after the update with regards to CHBDC.

- e) **Canadian Water Resources Association – ½ day workshop on culvert design.**

½ day online seminar on CSP:

9:00 Introduction to CSPI / Industry (Applications, Product Details, Fabrication)
9:30 Structural Design of Culverts & Storm Sewers
10:30 Installation & Construction Procedures
11:00 Inspection, Maintenance & Rehabilitation
11:30 Durability & Sustainability

Will discuss with CWRA a webinar in January / February time frame.

Pat & Scott to advise on participation.

Reach out to DOTs to determine ½ workshop similar to one with BCMOT.

f) **Online Tool – CSP configurator**

Stay away from hydraulics.

Review NCSPA & RCP configurators and discuss at next meeting.

g) **Rerolled ends for Aluminized Type II – cracking – why? then must paint. Continue discussion from last meeting.**

Start discussions with DOT's – Only NL does not require rerolled ends.

h) **Technical bulletin for safe handling, stacking, bundling of CSP.**

Yes – include Richard Flemming (AIL) with this initiative.

New Business

a) **Layfield ITL Reinforced Concrete Roll – any experience?**

No experience. It was stated that Titan Engineering has been selling this band-aid solution.



7. Adjourn & Next Meeting in March / April 2026 (virtual) TBD

The meeting was adjourned at **2:50 pm** motioned by **Roger Leger** and second by **Kamran Derayeh** and was carried unanimously.

Pat Mayne
Chair

Ray Wilcock
Executive Director