

*1:30 P.M., Monday, June 5th, 2023
Auberge Saint-Antoine, Quebec City QC*

Committee Attendance:

Paul Proctor (Chair)	Atlantic	Jim Evans (abs)	Cleveland Cliffs
Terry Dunn	Atlantic	Ian Berry (abs)	Warner
Pat Mayne	Atlantic	Mike Mounts	Valgroup
Scott MacRae	Armtec	Todd Gray	ACI
Bruce Matheson	Frontier	Derek Niezen	Ironside
Jaclyn Pittman (abs)	Hubb-Cap	Mike Hook (abs)	MarMac
Kamran Derayeh	AMD	Mike McGough (abs)	NCSPA
Byron Nelson	Leland	Ray Wilcock	CSPI
Dave Watson	Leland		

Member Attendance:

Jason Sherwood	Atlantic	Greg Wilkinson	Atlantic
Sebastien Gauthier	Atlantic	Francois-Regis du Mesnil	Tubao
Jason Johnston	Armtec	Terry Skipper	Ironside
Liz Bouchard	Armtec	Marcia Stinson	AMD
Sam Mitra	Armtec	Lucas Cooper	AMD
Roger Leger	Armtec		

1. Welcome and Opening Remarks

Paul opened the meeting at 1:30 p.m. and welcomed everyone. Attendance was taken and is recorded above.

2. Review Minutes from November 15th, 2022, and Approve

Minutes were reviewed and a motion for approval was made by **Liz Bouchard**, second by **Kamran Derayeh** and was carried unanimously.

3. Project List Update

1) CSA G401

CSPI Technical Committee met for 2 years reviewing and updating the 2014 document

CSA Committee – 23 members

DOT's	8
Cities	1
Consultants	3
University	1
Manuf. & Producers	8
CSA	1
CSPI	1

1st meeting January 24th

2nd meeting April 13th

Next meeting planned for June TBD

Updates:

66 wording revisions

34 table & figure revisions

Progress:

of the 66 changes, 12 remain outstanding

34 table & figures to be reviewed

Highlights were presented.

2) Environmental Product Declaration

Meeting held with AMD and manufacturers on May 4th to determine next steps to address new EPD in 2023.

It was decided to produce two EPD's using:

1. World Steel Production average will produce similar results.
2. AMD's Green Energy Production will produce carbon at ½ world average.

Further discussion required going forward:

- Resend spreadsheets to manufacturers Sam, Terry, Bruce & Mike Williamson
- Advise Sam (Armtec) who dealt with the information provided back in 2018.
- The committee discussed and it was agreed to proceed with 2 EPD's.
- Discussion centered around which one to make public #1 and #2 to remain with members. Follow up will take place in November.

A motion was made by **Sebastien Gauthier**, second by **Roger Leger** to proceed with producing 2 EPD's and was carried unanimously. CSPI will work with Stan Lipkowski from AMD.

3) MTO CSP & Structural Plate Standards Advancement

- Started review of Culvert & Structural Plate Planning guidelines – will review with committee later in 2023 due to other priorities (G401, EPD, etc.)
- Attended MTO Technical Outlook webinar on March 28th. Submissions from all regions / networking opp.
- Educate MTO on coatings, carbon footprint & rehabilitation in 2023
- Started in Thunder Bay in March
- Hit all other regions by year end

4) Technical Bulletins

- a) Type of joints
 - b) Rehabilitation
- a) Joining Systems – discussion
Send to all committee members for review (completed)
Keep first two pages, more discussion on next three pages
- b) Rehabilitation – discussion
TRB – guidance on rehabilitation – follow TRB for future guidelines
Guidelines - focus on what types of issues are candidates for rehabilitation
Potential checklist of common problems and rehab techniques – send out to committee for review when ready
Send out 10-page paper to committee (completed)
- It was agreed by the committee to shelf discussion on these topics given that joining systems are covered in ASTM and rehabilitation is site specific with many options to choose from.

5) Green Handbook

Commence after CSA G401 is complete.

- a) 2 Year Project
- b) Member participation
- c) Chapter by chapter

Table 2.16 – addressed the weights of plates with 1220 mm lengths. Presently, the table shows 1067 mm length, which are not presently in use.

- Discuss at the November meeting and formulate a plan.

4. Member / Ongoing Items update

a) AMD – (Kamran)

No update.

b) Valgroup – Lighter polymer laminate (Mike)

- Covered below in the ASTM discussion.

c) Leland - Bolt & Nut Research update (Byron / Dave)

No update.

d) Warner – alternative polymer coating update (Ian)

No update.

e) Ironside – machinery update (Derek)

No update.

f) ACI update (Todd)

No update.

g) MarMac Joint Testing (10.8 psi) of non-rerolled ends (Mike)

No update.

5. Other Associations - Updates

a) NCSPA update (Mike)

- ASTM ballots on thinner polymer
- AASHTO – NTPEP – testing on polymer coating – not using existing test methods – education needed.
- Looking at alternatives to coated bolts – issue with HDG.
- Tracked Vehicles draft in circulation – will be issued to committee once it is published.

b) ASTM update (Paul)

- Mike presented two slides on the pending ASTM specification for lighter film thickness (12 mils to 6 mils) and reduction in zinc coating.
- Project Objective – Develop a lower cost system for small diameter polymer laminated steel pipe to better compete against HDPE pipe in low abrasion applications like storm sewers
- Mike discussed the lab tests using requirements from ASTM A742
- Next Steps – Need to develop test sites for using lighter weight technology. Contact Mike if you have a site.

c) TAC update / Fall Conference & Meetings (all)

- CSPI will be attending as a delegate in Ottawa September 23rd – 27th.

d) TRB update (Mike)

No report.

e) AREMA (Mike)

- Aug 8th – 9th updating hydraulics manual.

f) AISI News (all)

No report

6. Discussion / Old / New Business

a) Floodnet 2

- Signed up for Floodnet 2 for annual contribution of \$1,000
- Sustainability benefit to CSPI

b) Edmonton – EPCOR Drainage controls the type of materials that are used

- Attempted to engage in March 2023 during the Edmonton visit. Will try again next time.
- [*****.edmonton.ca/city_government/urban_planning_and_design/city-design-construction-standards](https://www.edmonton.ca/city_government/urban_planning_and_design/city-design-construction-standards)

c) Environmental impact of Aluminized Type II, Polymer laminated

- Defer to future

d) Gorilla water tape or Flex Seal tape versus Denso Tape – Mike

- More research or discussion.
- Change TB and G401 if necessary to a generic name.

e) Bolt issue identified in Newfoundland and Labrador with salt seepage. This will be addressed in 2023.

- Will visit site in Fall 2023.

f) TB 28 Storage Guidelines review

- “Storage Guidelines for Plate & Fasteners”
- Updated, changed installation of spacers after shipping and before storage.

New Business:

Put together a TAC sub-committee to address the SWM market as discussed in the strategic planning session. Members to include thus far Paul, Terry, Scott, Bruce, Kamran, Pat, (Hubb-Cap?) Darren Bauman & Doug Leitch (Armtec). Look at mastic being used for watertight joints as per Francois.

7. Adjourn & next meeting within 3 months at the call of the Chair

The meeting was adjourned at **3:30pm** motioned by **Kamran Derayeh** and second by **Scott MacRae** and was carried unanimously. Next meeting will be in September TBD.



Paul Proctor
Chair



Ray Wilcock
Executive Director