

1:00 P.M. Thursday Nov 21st, 2019 – Kitchener ON

Present:

Kevin Williams (Chair)	Atlantic	Dave Watson	Leland
Jason Sherwood	Atlantic	Jim Evans	AK Steel
Randy McDonald	Atlantic	Marc Warden	Hubbell
Nick Spence	Atlantic	Ian Berry	Warner
Heba Ahmed	Armtec	Mike Mounts	Valfilm
Scott MacRae	Armtec	Byron Nelson	Leland
Bruce Matheson	Frontier	Ray Wilcock	CSPI
Kamran Derayah	AMD		

Absent:

Phil Carroll	Atlantic	Todd Gray	ACI
Riley Wilson	Atlantic	Derek Niezen	Ironside
Mike McGough	NCSPA		

Guests:

Dennis Park	Atlantic	Chuck Hitt	Worthington
Liz Bouchard	Armtec	Pat Loney	Worthington
Dave Newbigging	AMD		

1. Welcome and Opening Remarks

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

2. Review Minutes from June 10th, 2019

Minutes were reviewed and a motion for approval was made by **Kamran Derayah**, second by **Jason Sherwood**.

3. Outstanding Items to Complete

a) Bolt & Nut 3rd round of testing with MTQ (Ray)

Met with Donald Villeneuve on September 10th at the MTQ lab. Supplied three different thickness coatings of NZF3000, hot dipped galvanized and mechanical galvanized bolts and nuts. Follow up was required for technical data on coatings and conformance certificates for

HDG & MG bolts. MTQ have all the necessary information to start the tests. Confirmation has yet to be received as to starting date.

b) Rehabilitation Gap Analysis Literature Review update (Kevin)

Update is available for TAC committee only to review. Will be sent out after this meeting.

Suggestions on content use:

1. Future presentations to DOT's, MEA, Conferences (Robert open to MTO)
2. Technical Bulletin on rehabilitation
3. Green handbook
4. Municipalities – mention to make a future presentation
5. Webinars – have Robert speak
6. Website posting (Robert to close out the loop with copyright issues)

c) MTO – Structural Plate Standards Advancement (Ray)

Met with Tony Merlo, Kwong-Yiu Chu & Neil Brockman. Attended by AIL & Armtec. Update on structural plate standards submission, tender documents containing misleading information on choice of materials, NZF3000 bolts, CSA G401 update, and QVE discussion. Tony is retiring on December 31st. A number of issues were discussed with follow up later this year with Tony and replacement. Tender material issues covered along with QVE submission on August 30th. With Tony retiring, we do not expect quick action on anything in 2019. Next meeting planned for Thursday December 5th with Tony and staff in St. Catharines.

d) Galvalume – outstanding issues (Kamran / Ray)

1) Water tests

30 litres of Algonquin Park water were delivered to AMD in July.

- Kamran walked through a presentation. Available to all committee members on request
- Kamran to issue final report before end of November
- Report will be sent to Pete Ault to finalize predicted life to complete report
- Once finalized, committee will review with understanding of updating technical bulletin 1

2) Reports – Algonquin & Port Alberni

- Reports were circulated to the committee prior to the meeting.
- Kevin asked that we start reporting resistivity. Check calculation versus lab versus test strips and start performing the test.

e) MTO Bancroft Polymer Laminated Site – final sign off (Ray)

Site was visited on August 21st and report was circulated to the committee prior to the meeting. There was no discussion. Will review with Art Groenveld (MTO) on December 3rd in St. Catharines. This completes the project.

f) Bay of Fundy & Cabot Trail polymer coated sites – review pictures

Pictures of both sites were reviewed.

Discussion ensued:

- Abrasion 4 or tidal waters, ice conditions?
- Water velocity, chemistries, grade of pipe, fish passage design?
- Inlet control to protect sediment from entering pipe. Characterize the upstream water feeding the pipe, sediment load.
- Send pictures to Ian.
- Find out more information and root causes of the abrasion. Work with Roger Leger.

g) AB – Bridge inspection guidelines response from CSPI

Follow up on bridge inspection guidelines and request sent on August 22nd. No feedback at this time.

4. Long Term Items

a) ASTM A742 ballot- chloride test (Mike Mounts)

Mike updated as follows:

No additional tests for salt spray planned at this time. If a new material is brought out to compare existing material, then consider including corrosion rates.

Kevin stated that there are polymer laminated materials claiming to be A742 compliant, however how do we ensure materials meet A742. Are we comfortable with A742 to ensure the quality of material that is being received? Mike - both coaters are performing the same tests and doing random samples for salt spray.

Mike to review the boiling water method and will report on testing methods of both coaters at the June 2020 meeting.

A742 ballot to be recirculated in January containing suggestions from Pete Ault on abrasion parameters.

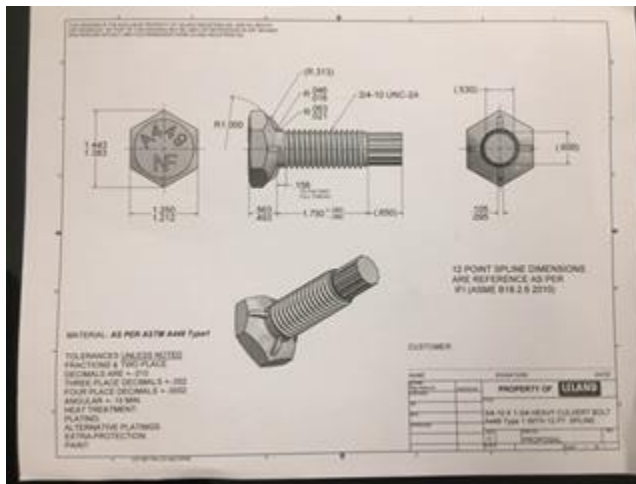
b) Thermopolymer plate in brackish/salt water – (Ray)

There are three sites requiring a review (1 in BC, QC & NS). Visited the site on BC on August 14th and circulated the report to the committee. QC site set up on September 6th and report issued. There was no discussion.

c) Bolt & Nut Research – Higher abrasion resistant coatings (Leland lead)

Covered in 3 a) above.

Byron showed a new design of a bolt that will stop the spinning of the nut prior to torquing.



d) Green Handbook update (Chapter 1 - need Lead)

Scott put together a presentation to address each chapter. Copy of document attached to the minutes. Scott to address a proposed plan to be discussed at our next meeting.

Randy – we need to identify new items that need to be addressed for updating.

Idea: Ask for an email address when one is downloading the book off the website. Advise that we are updating and will let them know when ready. To be scoped out.

e) Project Priority as voted by the board

1) EPD comparison to concrete

- Funding secured with the help of AMD. Project RFQ underway.
- Manufacturing members encouraged to look for improvements and start tracking EPD information for future update. Annual renewal with 5-year update. Spreadsheet for tracking will be sent out to all manufacturers.
- Idea: Compare how much concrete pipe versus steel is used in a year.

2) CSA update

Funding of \$45,000 available. Once committee has signed off on updates, will seek quote from CSA. Next meeting to be planned for mid December.

5. Ongoing Items

a) Kleskun Hills report – committee sign off on August 2019 report

Site was visited on August 13th. Report issued and signed off by committee. Will share with AB Trans. This completes our 5-year commitment.

b) ASTM

The polymer coated plate and bolt ballot will now move forward as all negatives have been resolved.

1. Structural plate approved
2. A762 repair language approved
3. A742 abrasion testing ballot to be updated

c) NCSPA update

1. NTPEP Quality Program update – NCSPA versus AASHTO
2. AASHTO standards need to be reconfirmed M36, M218, M196, M249 & M245
3. Bridge Projects moving forward on seismic design and height of cover tables
4. PPC marketing numbers have all increased year over year
5. Strategic Plan – tonnage down 8% year over year
6. Focus is on storm sewer market considered the key growth area (polymer laminated spiral rib pipe)

d) TRB – Long Span Buried Bridge Webinar Results

Held on October 3rd. Kevin was one of the speakers.

e) CSA G401 update

Meeting held on May 21st. For details, please see word document containing updates. Publication in late 2019, early 2020. Viacon submission needs to be reviewed. Add a clause on colour that is generic and not specific. Jason – staining issue.

f) AREMA

Presently working on Hydraulics section (Joel Hahm of Big R is a member)

g) CSCC (Canadian Steel Construction Council)

Government of Canada Treasury Board Project on Low-Carbon Assets through Life Cycle Analysis [(LCA). The Government aim is to reduce the environmental impact of building materials using LCA techniques to minimize embodied carbon and use of harmful materials in construction and renovation. Thus, they are moving to incorporate environmental impact of materials and products in their procurement policies. The CSPA is involved. Updates to follow at next meeting in 2020.

h) AISI News

Nothing new to report.

6. Discussion / New Business

Nothing new to report.

7. Adjourn & Next Meeting

The meeting was adjourned at **3:30p.m.** Next meeting at the call of the chair.

Kevin Williams
Chair

Ray Wilcock
Executive Director