

10:00 A.M. Friday March 2nd, 2018 – Cambridge, Ontario

Present:

Janine Yetke (Chair)	Armtec	Kamran Derayeh	AMD
Heba Ahmed	Armtec	Ray Wilcock	CSPI
Jason Sherwood	Atlantic		

Absent:

Bruce Matheson	Frontier	David Watson	Leland
Shane Setter	Ironside	Jim Evans	AK Steel
Ian Berry	Warner	Mike Mounts	Valfilm
Byron Nelson	Leland	Todd Gray	ACI
Marc Warden	Hubbell	John Buckner	Tee Group
Dave Newbigging	AMD		

1. Welcome & Opening Remarks

Janine opened the meeting and welcomed all members. Attendance was taken and is recorded above. Go-to-meeting was used for all due to inclement weather.

2. Review Minutes of December 7th, 2017 Meeting

Minutes were reviewed and accepted. A motion for approval was made by **Kamran Derayeh**, second by **Janine Yetke**.

3. Strategic PPC Action Items

Four key takeaways from December were:

1. Focus on Bridges / Structural Plate.
2. Leave SWM to members (private developers and engineering consultants), however help with technical bulletins, etc.
3. Storm sewers and culverts – focus on municipal standards
4. Life cycle analysis of storm sewer materials – needs to be scoped out

Discussion as follows:

1. On going. Package was submitted digitally to Tony Merlo and Magdy Meleka on February 22nd as follows:

Research & White Papers

1. Report of abrasion testing by MTQ – 2012
2. Report of corrosion testing by MTQ – 2012
3. Plate durability white paper (Elzly) – 2012
4. TRB submission – added longevity - 2012

5. MTQ / CSPI European pavement tests- 2014
6. AREMA paper – Mulvoy, Oler – 2015

Technical Documents

1. CSPI bulletin 13 – Performance Guidelines for Buried Steel Structures
2. Warner Custom Coating
3. Long term field investigation of Polymer Coated CSP – NCSPA

Specifications

1. CSA G401-14 – section 4.5.5
2. ASTM A742M
3. MTO Design Build Spec – section 3271.05.06
4. Other - <https://ncspa.org/resources/calculators-charts-tools/material-description-and-specifications/>

Ontario Sites

1. List of Ontario polymer coated sites
2. Case Study – Bathurst Street
3. Case Study – Shamrock Lake
4. Town of Lakeshore
5. Links to Canada's first installation in Kingston
<http://www.cspi.ca/node/412>
6. Links to a few sites in Canada
<http://www.cspi.ca/map?pid=bc> See Port Hardy
<http://www.cspi.ca/map?pid=bc> See Delta

Action: Ray will follow up with both Tony and Magdy to scope out timing of review.

2. To be discussed at a future meeting to determine what support CSPI can give to members.
3. Application and supporting documents are being put together to target 10 municipalities. This requires physical submission, as the municipalities are not in a position to accept digitally. In addition, the municipalities require three copies of each document which will involve printing at a 3rd party firm. Kamran suggested using a thumb drive, however Heba stated that in her experience the municipalities require hard copies. Submission will take place in 2nd Q.
4. The LCA study will be scoped out in the 3rd – 4th Q. A sub committee will be put together.

4. Website Update

Ray gave an overview of the new home page which will have links for the “photo contest”, “webinar idea submission” and “find a member map”.

- French Translation required for some bulletins (cost estimate required)
- Manning's N Calculator to be uploaded - Inputs include diameter, roughness, slope and % of flow.

Open ideas from last meeting:

- Jason suggested replacing the Handbook CD's with partitioned thumb drives (one side for the handbook and bulletins and the other for free storage / use)

In progress – obtaining cost estimate.

Action: Host 2 webinars in April / May to walk the sales team through the items available on the CSPI website.

5. E-Blast Strategy

➤ Quarterly projects from each member (once per year) as follows:

- 1st Q Armtec
- 2nd Q Atlantic
- 3rd Q ES Hubbell
- 4th Q Frontier

Armtec project submitted and currently being prepared by Glassroot for the end of March release.

6. SWM/Buried Bridge Action items – Top 5 Items

Feedback from DOTS and Municipalities:

The five items as voted on by the committee at the December meeting were:

1. Municipalities – focus on standards for storm sewers and culverts
2. Education on durability / coatings available
3. Education on proper installation and manufacturing of polymer
4. Analysis for PEI DOT – bringing backfill in from N.B. (plate versus concrete envelopes)
5. a) Full review of the of the DGSSMS
b) Technical bulletin on alternatives to granular backfill

PPC - Numbers 1 & 2 are current projects for 2018.

TAC – Numbers 3 -5

Previous item for TAC: Jason suggested a life cycle cost analysis on the entire project of the Coquihalla highway. He suggested that CSPI could partner with BCMOT and University of British Columbia (grad student).

Ray reached out to Frank Dacho of BCMOT who responded that he is retiring in March. Alternative meetings have been set up in Coquitlam (David Woolford) and Victoria (Gary Farnden) and the University of BC (Yahya Nazhat) the end of March to determine interest.

7. Projects for PPC

a) 2018 TAC Conference in Saskatoon – exhibitor

Registered as an exhibitor.

Abstract submitted “Sustainability: A Key Benefit of Corrugated Steel Structures” – was not accepted.

b) Other Trade Shows

Good Roads –attended on February 26th in support of members

Tri Party – “Buried Bridges: More Sustainable, More Durable”, will be presented on March 12 & 13 in Red Deer, Alberta.

CSCE – abstract accepted, paper submitted – will know by the end of March (June in Fredericton)

Short Medium Span Bridge Alliance – abstract accepted, paper submitted – will know by the end of March (August in Quebec City)

Guelph Drainage Conference – Submit abstract for November 2018 conference

c) Education Outreach Update

Guest lectures to date:

Feb 7 th	St. Lawrence College	Kingston	30
Feb 9 th	University of Toronto	Toronto	80
Feb 12 th	St. Clair College	Windsor	30
Feb 16 th	RMC University	Kingston	25
Feb 27 th	McGill University	Montreal	35

d) Photo / Project Contest – 2018 (Upload capabilities)

Programmed and uploaded to website. Announcement will be made in the 1st Q E-Blast.

e) Find a Member Map

A link will be provided on the home page.

f) Product Comparison Sheets - Approval

Jim pointed out that the environmental parameters were for polymer and that aluminized should be adjusted. This will be changed once all changes are in.

Action: Janine to provide final changes.

g) Why do Business with a CSPI Member?

Will be posted on the website to be included in the April / May webinars to members.

h) Non-Member Activities

None

8. Discussion & New Business

➤ **Ideas from previous meetings – review**

Ideas put forward as follows:

- Ray showed the market price of CSP versus HDPE versus CSP. Feedback included focusing on supplying larger diameter pipes (>600mm). The future is going “bigger or supersize” to address higher flows due to climate change – topic for the future. Title suggested was “Decreasing your Uncertainty with regards to Climate Change”.
 - [Product Comparison Brochure – Bruce will help out with the installed costs. All members to participate. Include sustainability – hydraulic increase. 3rd Q Project.](#)

➤ **Handbook – redesign front & back cover**

Completed & printed.

➤ **Handbook update**

TAC Committee issue – put together a sub committee to review chapter by chapter for 2019 update. Will be presented at the next TAC meeting.

➤ **US Import Tariffs**

Janine asked about the potential impact of the latest news out of Washington. Kamran said it was a little too early to tell. For future discussion if the US follow through.

9. Adjournment & Next Meeting

The meeting was adjourned at **11:00am**. Next meeting will be called by the chair.

Ray Wilcock
Secretary