

9:00 A.M. to 10:30 A.M., Monday June 10th, 2019 – Charlottetown, PEI

Present:

Kevin Williams, Chair	AIL	Dave Newbigging	AMD
Jason Sherwood	AIL	Byron Nelson	Leland
Heba Ahmed	Armtec CC	Mike Mounts	Valfilm
Jason Johnstone	Armtec CC	Derek Niezen	Ironside
Scott MacRae	Armtec CC	Todd Gray	ACI
Bruce Matheson	Frontier	Ray Wilcock	CSPI

1. AISI Antitrust Guidelines

Ray presented the AISI Antitrust Guidelines that are in effect for all CSPI meetings. A copy will be circulated with these minutes.

2. Welcome and Opening Remarks – Kevin

Kevin opened the meeting and welcomed all members. Attendance was taken and is recorded above.

3. Review Minutes from November 29th, 2018 and Approve

Minutes were reviewed and accepted. A motion for approval was made by **Heba Ahmed**, second by **Bruce Matheson**.

4. Strategic Plan Overview

a) Penetration into the concrete market (DOT and key municipality focus)

Covered under the KPI results below.

b) Educate colleges and university students

Covered under the KPI results below.

c) Developing knowledge – why steel?

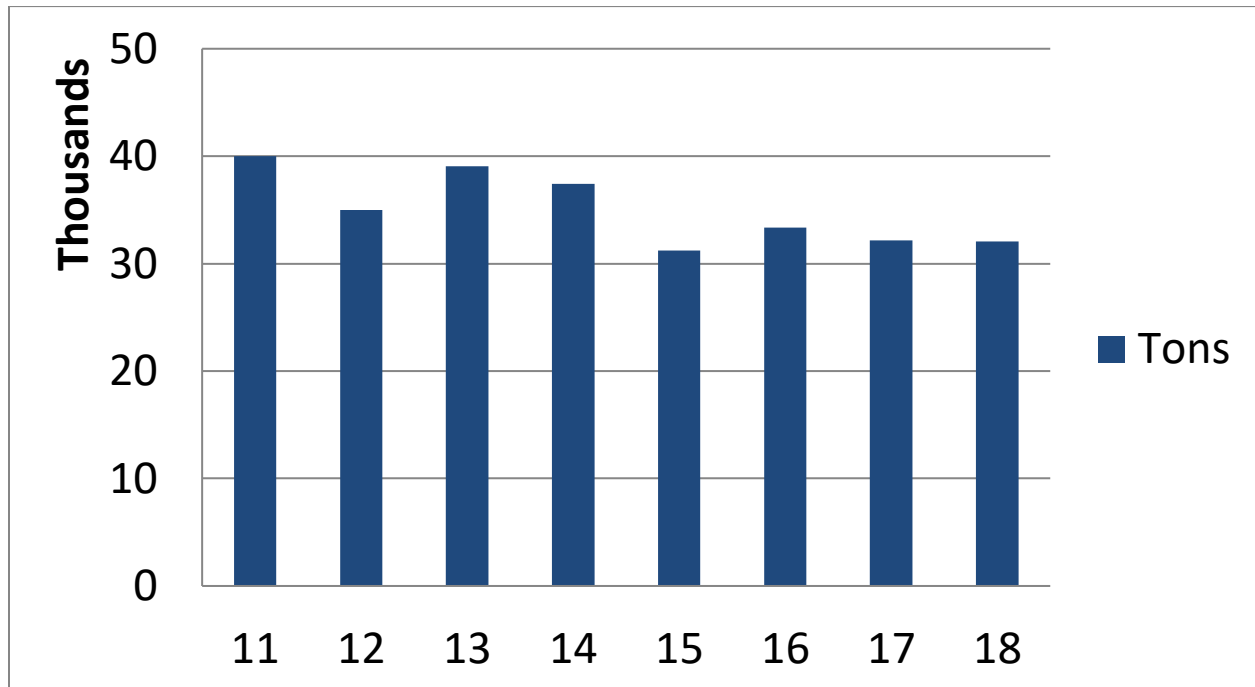
Heba produced 10 slides covering top 10 reasons “Why Steel”, that could be used for promotion & social media. It was suggested by Scott not to use the word “alternative”, rather use words as best solution out there. It was agreed that a canned package could be used by all sales reps during their promotional presentations, communication, etc.

Next step is to have the PPC Committee review the 10 slides and graphics page. Once completed, it will be posted on the website in the member’s section.

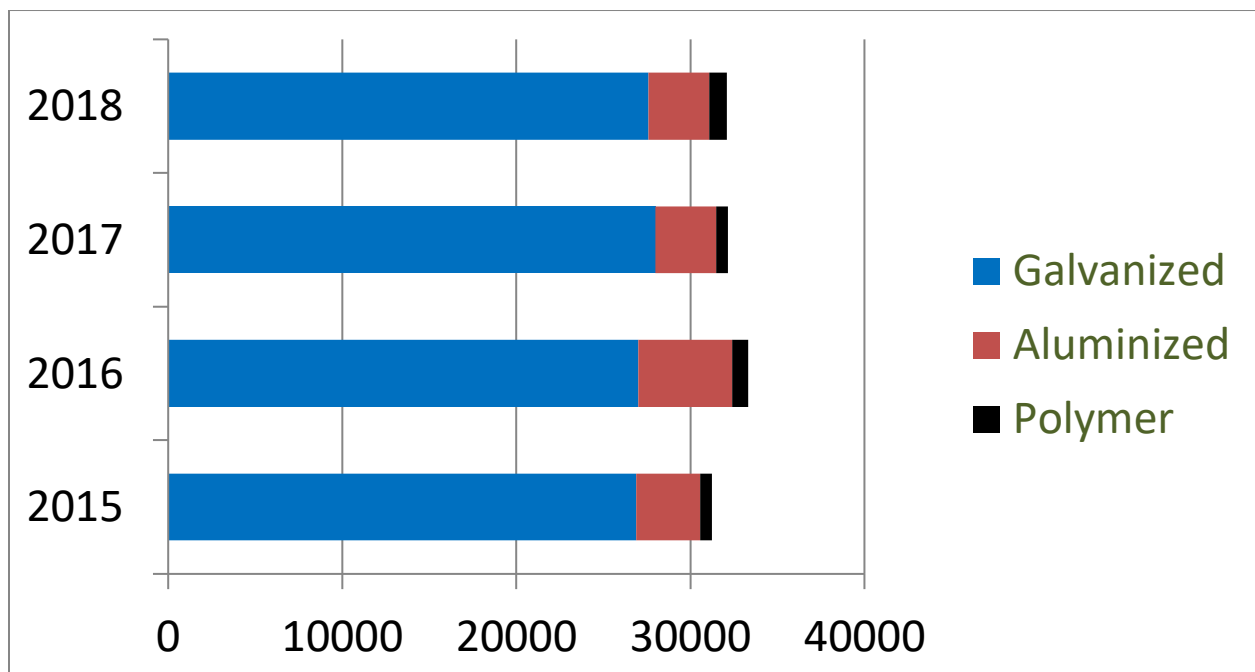
5. Key Performance Indicators (KPI)

a) Tonnage – reporting discussion

CSPI Tons Reported 2011 – 2018



CSPI Tons Yearly Comparison



Discussion ensued on reporting of tonnage going forward. Ray had reached out to AMD, AK, ACI & Worthington. Both AK & Worthington were positive provided only total results are reported by material type and they would receive the report. Dave will follow up with AMD and advise in the near future. Todd is currently working on a reporting structure to determine PL tons shipped into Canada. He will advise when ready. Mike will reach out to Pre-Coaters to determine if they will participate.

Ray will follow up with all parties by July 31st.

b) Number Key Clients visited in 2019

<u>Date</u>	<u>Client</u>	<u>Topic</u>
Feb 4 th	FP Innovations BC	Forestry roads
Feb 6 th	Thunder Bay ON	Storm sewer standards
Feb 11 th	MTO Kingston	Polymer laminated site – Highway 62
Feb 13 th	Kingston ON	Storm sewer standards & relining
Feb 27 th	Saskatchewan DOT	Standards – polymer inclusion, update
Mar 11 th	Fredericton, NB	Storm sewer and culvert standards
Mar 12 th	New Brunswick DOT	Standards – polymer inclusion, Galvalume test site
Mar 19 th	St. John's, NL	Storm sewer and culvert standards
Mar 20 th	Newfoundland DOT	Standards – polymer inclusion
Mar 25 th	Alberta Trans DOT	CSA G401, Bolts, EPD, Galvalume, Kleskun Hills
Mar 26 th	Calgary Structures AB	CSA G401, Bolts, EPD, Galvalume, Rehabilitation
Mar 26 th	Calgary, Roads AB	Storm Sewer Spiral Rib Pipe submission
Mar 27 th	BCMOT DOT, Kamloops	CSA G401, Bolts, EPD, Rehabilitation, Coquihalla Hwy project
Mar 28 th	BCMOT DOT, Victoria	Coquihalla project, positive, needs to be focused
Mar 29 th	BCMOT DOT, Coquitlam	Bridge Presentation, rehabilitation discussion
Mar 29 th	Vancouver BC	Storm sewer standards, rehab of underpasses
Apr 6 th	TAC Standing Structures	Committee meeting in Ottawa
Apr 16 th	Nova Scotia, DOT	Standards – polymer inclusion
Apr 23 rd	Manitoba, DOT	Standards – aluminized, polymer inclusion
Apr 24 th	Saskatchewan DOT	Standards – aluminized, polymer inclusion
May 14 th	Region of Waterloo	Storm Sewer spiral rib presentation
Jun 7 th	PEI DOT, Charlottetown	Standards – polymer inclusion in water
Total Visits & Presentations in 2019		22

c) Key Market Product Standards Submissions

DOT's

Owner	Gal. CSP	AL2 CSP	PL CSP	Gal. SP	TP SP	HDPE	RCP	Certification	Value Eng.
NL	No	Yes	No	Yes	No	<600mm	Yes	Submitted	Yes
PEI	Yes	Yes	No	No	No	Yes	Yes	No	No
NS	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes
NB	No	Yes	No	Yes	No	Yes	Yes	No	Yes
QC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes - CSP	Yes
ON	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MB	Yes	No	No	Yes	No	?	Yes	No	Yes
SK	Yes	No	No	Yes	No	Yes	Yes	Yes	Yes
AB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NT									
YT									
NU									

- **Green – verbal acceptance & change from last meeting**

Municipalities

Municipality	Gal. CSP	AL2 CSP	PL CSP	HDPE/ PVC	RCP	Value Eng.
Vancouver Storm Sewer Culverts	No No	No No	No No	? ?	Yes Yes	
Langley	Follow Van					
Victoria						
Edmonton Storm Sewer Culverts	No Yes	No No	No No	PVC PVC	Yes Yes	
Calgary Storm Sewer* Culverts	Yes Yes	Yes No	Yes No	PVC & PE App. Req.	Yes No	

Saskatoon						
Regina Storm Sewer Culverts	No Yes	No Yes	No Yes	PVC<450mm HDPE	? Yes	
Winnipeg	Pending	No	No	PVC<900mm	Yes	
Thunder Bay Storm Sewer Culverts	No No	No Yes	No No	PVC<375mm HDP<900mm	Yes No	
Sudbury						
Toronto Storm Sewer Culvert	No	No	No	PVC	Yes	
Hamilton Storm Sewer Culvert	No Yes	No Yes	No No	PVC HDPE	Yes Yes	
London	No	No	No	Yes	Yes	
Windsor Storm Sewer Culverts	Yes No	Yes No	Yes No	Yes PVC & PE	Yes Yes	
Reg. Waterloo Storm Sewer Culverts	No	No	No	Yes<600mm	Yes	
St. Catharines Storm Sewer Culverts	No Yes	No Yes	No Yes	Yes Yes	Yes Yes	
Kingston	No	No	No	PVC	Yes	
Ottawa						
Oshawa						
Montreal						
Sherbrooke						
Quebec City						
Trois- Rivières						
Saguenay						
Fredericton Storm Sewer Culverts	No No	No No	No No	Yes No	Yes Yes	
Moncton						
Halifax Storm Sewer Culverts	No No	No No	No No	Yes HDPE/PE	Yes Yes	
St. Johns	No	No	No	Yes	Yes	

* Mains only, requires approval from Water Resources on a case by case basis

There is a distinction between storm sewers (urban) and culverts in the rural areas. CSP is allowed in rural area for culvert crossings, however not in city storm sewers. For storm sewers, spiral rib profiles are required to achieve required “Manning’s” flow. Diameters start at 300mm.

d) Number of Students/Institutions Presented in 2019

<u>Date</u>	<u>University / College</u>	<u># of Students</u>
Feb 4 th	University of BC	150
Feb 4 th	University of BC, Dr. Yahya Nazhat (Coquihalla LCA project)	
Feb 6 th	Lakehead, Thunder Bay	40
Feb 11 th	St. Lawrence College, Kingston	40
Feb 11 th	Queen’s University, Dr. Ian Moore (Mitacs project on rehabilitation)	
Feb 13 th	RMC University, Kingston	20
Feb 21 st	St. Clair College, Windsor	34
Feb 25 th	Sask Polytechnic, Moose Jaw	32
Feb 25 th	University of Regina	40
Feb 27 th	University of Saskatchewan	80
Mar 1 st	University of Toronto	100
Mar 7 th	Ryerson University, Toronto	75
Mar 11 th	University of New Brunswick	15
Mar 14 th	University of Guelph	20
Mar 19 th	NAIT College, St. John’s	25
Mar 20 th	Memorial University, St. John’s	15
Mar 21 st	Universite de Moncton	15
Mar 25 th	NAIT Edmonton	12
Mar 26 th	SAIT Calgary	60
Mar 27 th	Okanagan College, Kelowna	32
Mar 27 th	OGRA Storm Sewer Design	19 (Heba Ahmed presented)
Mar 29 th	University of BC	Dr. Dharma Wijewickreme (Coquihalla Hwy LCA project)
May 17 th	University of Windsor	35

20 Guest Lectures 859 Students

6. Assessment

a. Are we answering the question why steel?

i. DOT – Buried Bridge Feedback

<u>DOT</u>	<u>Submission</u>	<u>Follow Up</u>	<u>Comments</u>
NL	May 10, 2018	Mar 2019	Met with John Morrissey and staff on Mar 20th. John accepted updates for Polymer & NZF3000. Expect standard updates later this year.
PEI	Jun 7, 2019	Mid June	Presentation given to Darrell Evans & Neil Lawless on June 7th. Back up documents asked for, spiral rib hydraulics & other Maritime standards.

<u>DOT</u>	<u>Submission</u>	<u>Follow Up</u>	<u>Comments</u>
NS	Apr 16, 2019	Fall 2019	Presentation made to Will Crocker and staff. Received a verbal commitment to update standards to include polymer and NZF3000. Paul Proctor (Ail) is on the committee.
NB	Mar 12, 2019	Apr 16, 2019	Presentation made to Serge Gagnon's staff. Requested back up documents, sites with polymer, and suggested wording for standards. Sent on April 16th.
QC	Sep 10, 2018	Apr 24, 2019	Requested 75-year material service life for Polymer Coated SP and NZF3000 bolts for out of water structures and class 1 Abrasion for structures in the water. Gerard Desgagne retired. Met with David Bastien at TAC in Ottawa on April 6th. Asked for a meeting this summer / fall. Will follow up.
ON	Feb 22, 2018	Apr 6, 2019	Submitted Polymer Coated bridge package for inclusion in design standards. Met with Tony Merlo at TAC in Ottawa on April 6th. Agreed to meet in June / July.
MB	Apr 23, 2019	Apr 29, 2019	Presentation made to Ruth Eden's staff on aluminized, polymer and NZF3000. Back up documents requested and sent on Apr 29th.
SK	Apr 24, 2019	May 23, 2019	Presentation made to Steven Greier & staff on aluminized, polymer and NZF3000. Stated that the Ministry is open to standard inclusion. Requested wording for standards, test results on bolts, and plant certification bulletins. Documents sent on May 23rd.
AB	Mar 25, 2019	Apr 9, 2019	Met with Dave Besuyen & Clayton Matwychuk and gave update on CSA G401, Kleskun Hills, NZF3000, rehabilitation, & EPD. Dave asked for a copy of our T. B. on polymer repairs, which is in section 18 of their standards. Sent on April 9th.
BC	Mar 27, 28, 29 2019	May 1, 2019	Gave update to Bridge staff. Ongoing discussion on Coquihalla project.

ii. Municipality Feedback

<u>Municipality</u>	<u>Submission</u>	<u>Follow Up</u>	<u>Comments</u>
St. John's NL	May 8, 2018	Mar 19, 2019	Met with Scott Winsor & Mark White on March 19th. Additional backup sent on April 22nd. Follow up on June 22nd.

<u>Municipality</u>	<u>Submission</u>	<u>Follow Up</u>	<u>Comments</u>
Halifax NS	Aug 15, 2018	Apr 22, 2019	Refused our application (not interested). Subsequent follow ups have received zero attention. Elevate to others.
Fredericton NB	Mar 11, 2019	Mar 22, 2019	Met with Jody Boone on Mar 11th. Documents sent on March 22nd. Follow up June 22nd.
Hamilton ON	Dec 2, 2018	Mar 11, 2019	Received confirmation from Claudio Leon their Committee will review our submission now that all documents have been received. Follow up June 22nd.
Kingston ON	Feb 13, 2019	Apr 12, 2019	Met with Tyler Lasko on Feb 13th. Application and documents sent for committee review. Will follow up on July 12th.
Windsor ON	Jan 2, 2019	Feb 21, 2019	Application sent along with backup documents. Follow ups have received no feedback. Call Anna Godo in June and may have to elevate.
London ON	Jan 2, 2019	Apr 2, 2019	Application sent along with backup documents. Informed that committee has not met yet. No date confirmed. Will follow up with Jane Fullick in June.
St. Catharines ON	Jan 2, 2019	Apr 2, 2019	Application sent along with backup documents. No response yet from Dan Dillon. Will follow up in June.
T Bay ON	Feb 6, 2019	Fall 2019	Met with Rick Harms on Feb 6th. Presented CSPI request for Spiral Rib Storm Sewers with back up documents. Rick asked CSPI to make a presentation to the committee in the fall.
Waterloo Reg ON	Dec 19, 2018	May 14, 2019	Presentation to the committee on May 14th. Additional information required; approvals of other municipalities, fittings, and relining. Will send out by mid-June.
Winnipeg MB	Dec 21, 2018	Apr 17, 2019	Application and documents mailed on Dec 21st. Followed up with Derek Burmey & Tyler Phillips on Apr 17th. Will call Tyler by mid-June.
Calgary AB	Mar 26, 2019	Apr 9, 2019	Met with May Cayanan on Mar 26th. Sent May Plant certification info. May was to send the product application form. Will follow up in June.
Vancouver BC	Mar 29, 2019	Mid-June 2019	Met with Dane Doleman on Mar 29th. Standards are in disarray and are being consolidated. He asked if we would wait until published.

- b) Are we penetrating the concrete market?**
i. Product Approvals – visualization & critique
II. Knowledge to develop

Discussion ensued with following points made:

1. Rehabilitation project once published, technical bulletin will follow
2. Coquihalla project – needs further scoping out
3. EPD comparison – budget issue to be addressed by the board
4. Project of increase in installed cost of going from a 2 to 3 meter structure – budget issue
5. Special repair manual of bridges / structures – will emanate from rehabilitation project

c) Academic Education feedback

Jason Johnston brought up the issue of Education outreach. The question was whether to continue, change or cancel the program. It was decided to push this to the board. At the board meeting it was discussed. A motion was made by David Newbigging second by Bruce Matheson to continue with the program, however replace giving out handbooks with the ability to download directly from the website. Ray was asked to put in place measurements to determine the count. Jason Sherwood asked for a vote and all directors present were in favour. Motion was carried unanimously.

d) Education of members (webinars / E-Blasts)

It was decided to push this item to the PPC meeting that followed.

7. Discussion / New Business / Old Business

No new business was brought forward.

8. Strategic Plan Adjustments

It was agreed to continue forward with the overall direction with a few tweaks as identified above.

9. Adjourned at & Next Meeting

The meeting was adjourned at **10:16am**. The next meeting will be held in Kitchener on November 21st at a place and time to be determined and will be confirmed by August 2019.

Kevin Williams
Chair

Ray Wilcock
Executive Director