

10:00 A.M. to Noon, Monday June 15th, 2020 – WEBEX

Present:

Kevin Williams, Chair	Atlantic	Kamran Derayeh	AMD
Jason Sherwood	Atlantic	David Newbigging	AMD
Nick Spence	Atlantic	Byron Nelson	Leland
Dennis Park	Atlantic	Dave Watson	Leland
Phil Carroll	Atlantic	Jim Evans	AK
Heba Ahmed	Armtec	Mike Mounts	Valfilm
Liz Bouchard	Armtec	Lynn Riley	Valfilm
Scott MacRae	Armtec	Mathieu Van den Bossche	Tubao
Jason Johnston	Armtec	Todd Gray	ACI
Bruce Matheson	Frontier	Aida Balas	Viacon
Marc Warden	Hubb-Cap	Ray Wilcock	CSPI

1. AISI Antitrust Guidelines - Ray

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 Nov 21st, 2019 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) Market focus - DOT and key municipalities

Covered under the KPI results below.

b) Educate colleges and university students (in person / webinars)

Covered under the KPI results below.

c) Review top 10 reasons – why steel?

Presentation slides will be attached to these minutes.

Discussion:

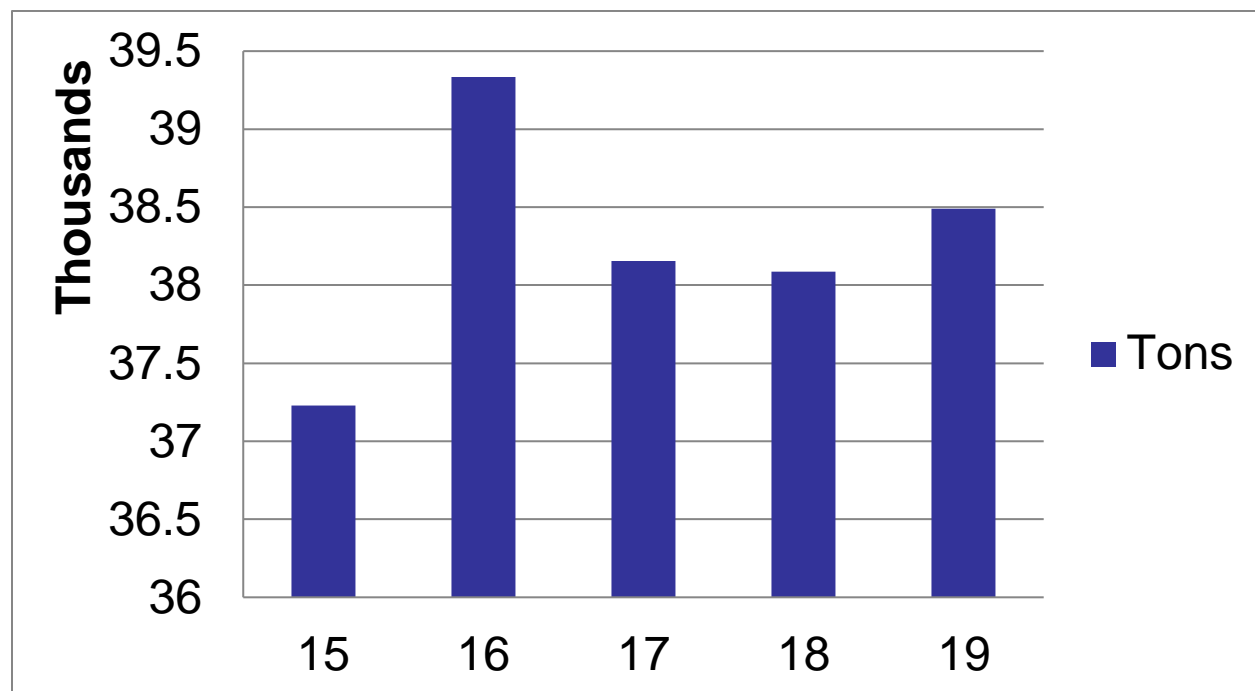
- Durability slide - Galvanized 75 years in hard water / take out non-aggressive
- Polymer Laminated - Change 10. Mil change 0.25 mm, check G401 & change
- Reason #4 Light Weight – editorial to confirm consistency with lower or upper case
- Kevin asked which of the 10 receives the largest interest / questions from the municipal audience. Cost and sustainability in that order.

Action: Change slides as per above.

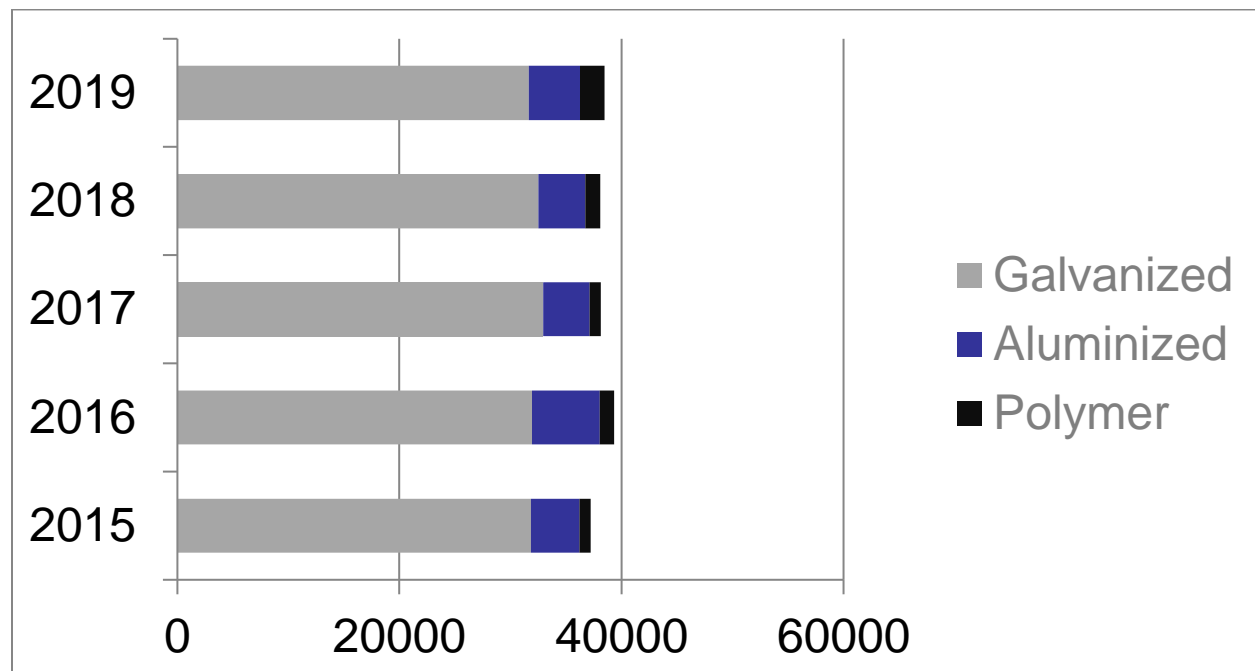
5. Key Performance Indicators (KPI)

a) Tonnage – manufacturer reporting

CSP Tons shipped 2015 – 2019



CSPI Tons Yearly Comparison



b) Number Key Clients visited in last 12 months

<u>Date</u>	<u>Client</u>	<u>Topic</u>
Jul 26 th 2019	MTO Roads (OGPDG)	NZF3000, Galvalume, Bancroft PL site
Jul 31 st	MTO Structures	SP Standards, Tenders, QVE issues
Aug 1 st	MEGA Event	Relationships / contacts
Aug 12 th	AB Trans	Bridge Inspection Guidelines
Sep 9 th	MTQ Structures	NZF3000, PL 50 Years, Tome update
Sep 10 th	MTQ Lab	Next round of bolt testing
Nov 12 th	City of Hamilton	Storm Sewer spiral rib presentation
Nov 28 th	MEA Ontario	Presented "Environmental" paper
Dec 3 rd	MTO Roads	Galvalume, PL Bancroft site, G401, OGPDG
Dec 5 th	MTO Structures	Met replacements, discussed TAC (14 items)
Dec 6 th	MTQ	CSPI approved as a registered lobbyist
Feb 6 th 2020	MIT	Material standards update
Feb 11 th	City of Thunder Bay	Storm sewer presentation
Feb 12 th	MTO Thunder Bay	Bolts, G401, rehabilitation, EPD
Feb 24 th	Sask DOT	Bolts, G401, rehabilitation. EPD
		Hydraulic design manual now includes Aluminized Polymer coatings
Feb 25 th	Alberta Trans.	Bolts, G401, rehab, EPD, storage & shipment of plates, AT Inspections
Mar 2 nd	MTO Kingston	Bolts, G401, rehabilitation. EPD
Mar 2 nd	McIntosh Perry (Kingston)	Material performance guidelines
Mar 11 th	City of Welland	Storm sewer presentation

Total Visits & Presentations

19 Visits / Conferences & Presentations

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	Submitted	No
NS	Yes	Yes	No	Yes	No	Yes	Yes	Submitted	Yes
NB	No	Yes	No	Yes	No	Yes	Yes	Submitted	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	YES	YES	Yes	YES	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									

Comment from Jason – put a link in for value engineering that relates to the provincial standards (understand requirements) in the member's website

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 No	No No	PVC Yes<600mm	Yes 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- Rivieres						
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.

Discussion followed:

- Heba – Use letters from DOT’s confirming acceptance to others
- Heba – supports continuation with municipal strategy
- Jason – focus on northern / smaller municipalities rather than larger cities
- Idea – spiral rib pipe task group by province to determine targets and strategy – to be discussed at the PPC meeting
- Kevin asked for any other comments or adjustments to strategy. Silence confirmed continuation.

d) Number of Students/Institutions presented in last 12 months

<u>Date</u>	<u>University / College</u>	<u># of Students</u>
Nov 14 th 2019	Western University London	30
Feb 5 th 2020	York University, On	50
Feb 12 th	Confederation College Thunder Bay	30
Feb 12 th	Lakehead University Thunder Bay	20
Feb 13 th	University of Toronto	110
Feb 20 th	St. Clair College Windsor	20
Feb 24 th	University of Saskatchewan	90
Feb 25 th	University of Alberta	30
Mar 2 nd	RMC Kingston ON	25
Mar 2 nd	St. Lawrence College Kingston ON	35
Mar 4 th	Niagara College Welland ON	25
Mar 5 th	McMaster University Hamilton ON	90
Mar 30 th	UNB – Via M.S. Meeting Fredericton	15
Apr 7 th	University of Guelph ON – Zoom	20
May 29 th	University of Windsor ON – WEBEX	40

15 Guest Lectures 630 Students

- Jason – asked about feedback on not distributing handbooks. Feedback has been positive with PDF downloads. Savings of over \$10,000 per year have been achieved. Ray has encouraged all students who after graduation work in our industry, to contact CSPI or members for a hard copy.

6. Assessment

a. Are we answering the question why steel?

i. DOT Feedback

<u>DOT</u>	<u>Meeting / Conf</u>	<u>Follow Up</u>	<u>Comments</u>
NL	Mar 2019	Feb 2020	Met with John Morrissey and staff on March 20 th . John accepted updates for Polymer & NZF3000. Expect standard updates later this year or next year.
PEI	June 2019	Nov 2019	Presentation given to Darrell Evans & Neil Lawless on June 7 th . Back up documents asked for, spiral rib hydraulics & other Maritime standards.
NS	April 2019	Nov 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 2019	Feb 2020	Presentation made to Serge Gagnon's staff. Requested back up documents, sites with polymer, and suggested wording for standards. Sent on April 16 th .
QC	May 2020	July 2020	Supplied information on base and top coating of NZF3000 bolts and method of application. Final lab report pending. 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. MTQ will not approve 75 years until bolts pass abrasion tests.
ON/HO	Dec 2019	July 2020	Met with Roads and Structures new staff in Dec 2019. Target initiatives based on prioritization by TAC Committee.
MTO			
TBay	Feb 2020	????	Presentation – would like f/u on rehab
Kgst	Mar 2020	????	Presentation – would like f/u on rehab
MB	Feb 2020	Fall 2020	Conference call with MIT staff on updating standards (last update 1984). MIT agreed. In process with members. Expect to submit later on this summer.
SK	Feb 2020	May 2020	Presentation made to Steven Greier & staff on materials, bolts, rehab and EPD. Hydraulic design manual now includes Aluminized & Polymer coatings. Sask has committed to the next step to updating material standards. Outstanding items include: 1) 2010 report on maximum lengths of CSP, 2) study on unbalanced skews C.D. Smith's book

<u>DOT</u>	<u>Meeting / Conf</u>	<u>Follow Up</u>	<u>Comments</u>
AB	Feb 2020	Aug 2020	Met with Dave Besuyen plus 4 AT bridge staff. Members from Armtec, AIL & Frontier attended. Presented bolts, G401, rehab, EPD and inspection guidelines. AT has agreed for CSPI to provide an update to inspection guidelines and follow up training for inspectors. TAC subcommittee has met three times thus far and is nearing completion.
BC	Aug 2019	Mar 2020	Letter to David Woolford & Gary Farnden covering "Future direction of Proprietary Structures". Offered assistance in updating the process for all buried plate structures. Will conduct a conference call with David and members to discuss progress. Presently updating standards request due for publication in Sept 2020.

ii. Municipality Feedback

<u>Municipality</u>	<u>Mting/Conf</u>	<u>F/U</u>	<u>Comments</u>
St. John's NL	May 2018	Mar 2020	"Our position at this time on CSP is that we will Use for structural plate for structures but have not moved towards using it for storm sewers or culverts."
Halifax NS	Aug 2018	Sep 2019	Refused our application (not interested). Subsequent follow ups have received zero attention. Sent letter to Mayor – heard from G.M. Evasive and dismissive and quite rude.
Fredericton NB	Mar 2019	Mar 2020	Met with Jody Boone on Mar 11 th . Documents sent on March 22 nd . Follow up cancelled due to COVID.
Hamilton ON	Nov 2019	Mar 2020	Presentation to committee with Armtec, AIL & AMD. Committee to reconvene for decision. Suggested trial runs. Members to f/u.
Kingston ON	Aug 2019	Jul 2020	Product application sent. No response to date.
Windsor ON	Jan 2019	Dec 2019	Application sent along with backup documents. Follow ups have received no feedback. Elevate.

<u>Municipality</u>	<u>Mting/Conf</u>	<u>F/U</u>	<u>Comments</u>
London ON	Jan 2019	Dec 2019	Application sent along with backup documents. Informed that committee has not met yet. Followed up with Jane Fullick who passed it on to Marcus Schaum. Waiting to hear back. F/U.
St. Catharines ON	Jan 2019	Dec 2019	Application sent along with backup documents. No response from Dan Dillon who retired. Made contact with replacement, Anthony Martuccio. Waiting for response. F/U.
T Bay ON	Feb 2020	Jul 2020	Storm sewer presentation to Rick Harms and staff. AIL & Armtec attended. Positive feedback. Will f/u.
Waterloo Reg ON	May 2019	Aug 2019	Storm sewer presentation to the committee on May 14 th . Received email on Aug 30 th that our application had been denied. Sent email to William Kinnaird requesting a reason for their decision. Will be discussed in PPC/TAC meetings.
Welland ON	Mar 2020	Aug2020	Storm sewer presentation to Marvin Ingebrigsten and staff. AIL & AMD attended. Well received. Suggested trial runs. Members to f/u.
Winnipeg MB	Dec 2019	Jul 2020	Application and documents mailed on Dec 21 st 2018. Spoke with Tyler Phillips in Dec 2019, the committee has yet to review our application. Will follow up in 2020.
Calgary AB	Mar 2019	Mar 2020	Met with May Cayanan on Mar 26 th . Sent May Plant certification info. Heard from Bill Ng on August 12 th CSP is in their storm sewer standards. Clarification asked for – waiting for response.
Vancouver BC	Mar 2019	Mar 2020	Met with Dane Doleman on Mar 29 th . Standards are in disarray and are being consolidated. He asked if we would wait until published. Will follow up later this year.

b) Are we penetrating the storm sewer market?

- i. Product Approvals – what is required?
- II. Knowledge to develop

Further discussion at the PPC & TAC meetings to address issues.

c) Academic Education feedback

Universities & Colleges are presently opening up to remotely presenting guest lectures.

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

Overview was given of webinars and E-Blasts thus far and future direction. Specifics to be discussed at the PPC & TAC meetings.

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 and further discussion at the committee levels to address targets, information required, etc.

9. Adjourn & Next Meeting

The meeting was adjourned at **11:40am**. The next meeting will be held in November in Kitchener at a date and time to be determined.

Kevin Williams
Chair

Ray Wilcock
Executive Director