

*11:00 A.M. to 1:00 P.M. EST, Monday November 23<sup>rd</sup>, 2020 – WEBEX*

**Present:**

Jason Sherwood, Chair	Atlantic	Dave Watson	Leland
Terry Dunn	Atlantic	Derek Niezen	Ironside
Dennis Park	Atlantic	Jim Evans	AK
Heba Ahmed	Armtec	Lynn Riley	Valfilm
Liz Bouchard	Armtec	Todd Gray	ACI
Scott MacRae	Armtec	Francois Régis Du Mesnil	Tubao
Bruce Matheson	Frontier	Bobby Weir	MarMac
Chris Flickinger	Frontier	Mike Hook	MarMac
Kamran Derayeh	AMD	Mike McGough	NCSPA
David Newbigging	AMD	Ray Wilcock	CSPI
Byron Nelson	Leland		

**1. AISI Antitrust Guidelines - Ray**

Ray presented the AISI Antitrust Guidelines that are in effect for all CSPI meetings.

**2. Welcome and Opening Remarks – Jason**

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

**3. MarMac Presentation – 30 minutes**

Bobby Weir, President of MarMac gave an overview of the company's activities. Presentation will be posted to the member's section of the website.

**4. Review Minutes from June 15<sup>th</sup>, 2020 and Approve**

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

**5. 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?**

Discussion:

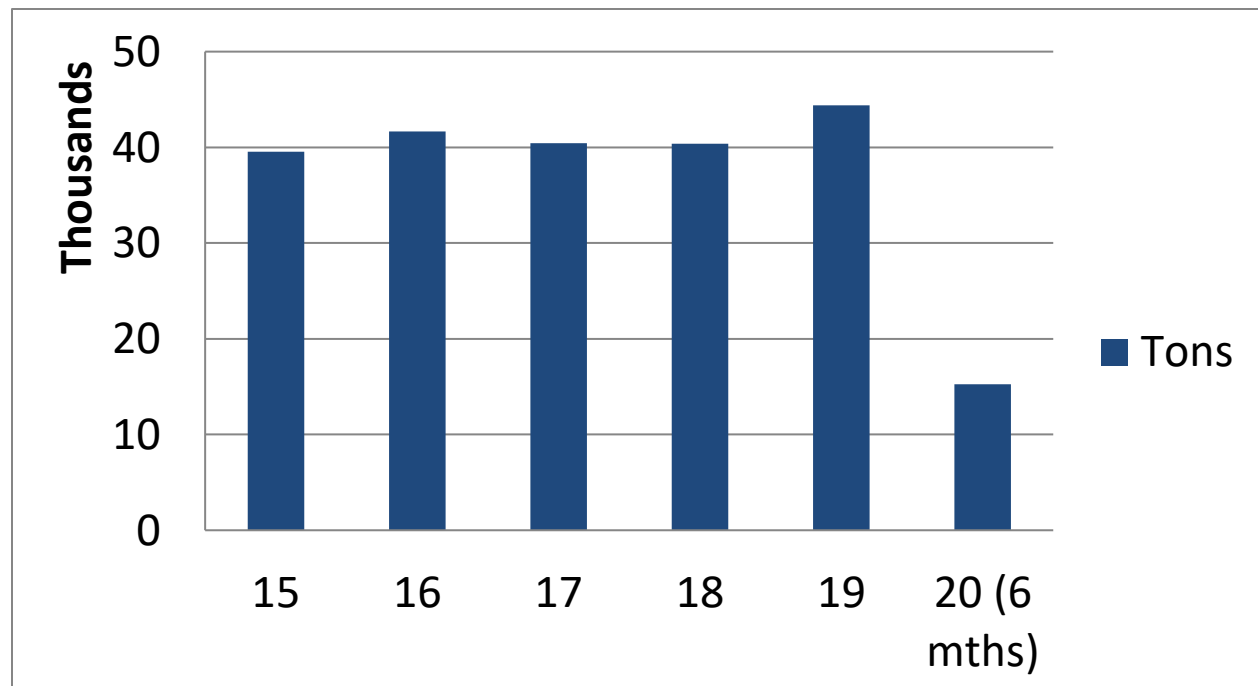
Reason #2 Versatility	1) Lower case for tees
Reason #3 Strength	1) Include deep corrugation profiles 2) Update picture to bridge code
Reason #4 Light Weight	1) Show a sample calculation of a 400m run of pipe, remove table 2) Change SRP to CSP, will show SRP in sample calculation
Reason #5 Durability	1) Revert to technical bulletin #1, displaying PH, hardness, resistivity and chlorides 2) Add Galvalume

**Action: Attach updated presentation slides to these minutes.**

**6. Key Performance Indicators (KPI)**

**a) Tonnage reporting**

CSP Tons 2015 – 2020



**b) DOT & Municipality Update**

<b><u>Date</u></b>	<b><u>Client</u></b>	<b><u>Topic</u></b>
Feb 6 <sup>th</sup>	MIT	Material standards update
Feb 11th	City of Thunder Bay	Storm sewer presentation
Feb 12th	MTO Thunder Bay	Bolts, G401, rehabilitation, EPD
Feb 24th	Sask DOT	Bolts, G401, rehabilitation. EPD
		<b>Hydraulic design manual now includes Aluminized Polymer coatings</b>
Feb 25th	Alberta Trans.	Bolts, G401, rehab, EPD, storage & shipment of plates, AT Inspections
Mar 2nd	MTO Kingston	Bolts, G401, rehabilitation. EPD
Mar 2nd	McIntosh Perry (Kingston)	Material performance guidelines
Mar 11th	City of Welland	Storm sewer presentation

**Total Visits & Presentations**

**8 Visits / Conferences & Presentations**

<b>BCMOT</b>	Updates accepted from G401 to CSP & SPCS standards.
<b>SK DOT</b>	Accepted material updates (A2 and PL) to standards. First PL project released.
<b>AT</b>	Bridge Fabrication Inspection Guidelines to include an appendix for diameters >1500mm. AT accepted the majority of our recommendations.
<b>MIT</b>	Recommendations submitted – Danielle Salem now in charge. Future discussions to take place.
<b>PEI DOT</b>	Standard specifications are out for review with comments expected back by December 18 <sup>th</sup> . Expect to publish early 2021.
<b>Calgary</b>	Recommendations accepted for storm sewer materials and certification.

### 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									

- Posted in the Member's section of the 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

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

<b><u>Date</u></b>	<b><u>University / College</u></b>	<b><u># of Students</u></b>
Feb 5 <sup>th</sup>	York University, On	50
Feb 12 <sup>th</sup>	Confederation College Thunder Bay	30
Feb 12 <sup>th</sup>	Lakehead University Thunder Bay	20
Feb 13 <sup>th</sup>	University of Toronto	110
Feb 20 <sup>th</sup>	St. Clair College Windsor	20
Feb 24 <sup>th</sup>	University of Saskatchewan	90
Feb 25 <sup>th</sup>	University of Alberta	30
Mar 2 <sup>nd</sup>	RMC Kingston ON	25
Mar 2 <sup>nd</sup>	St. Lawrence College Kingston ON	35
Mar 4 <sup>th</sup>	Niagara College Welland ON	25
Mar 5 <sup>th</sup>	McMaster University Hamilton ON	90
Mar 30 <sup>th</sup>	UNB – Via M.S. Meeting Fredericton	15
Apr 7 <sup>th</sup>	University of Guelph ON – Zoom	20
May 29 <sup>th</sup>	University of Windsor ON – WEBEX	40
Nov 10 <sup>th</sup>	OGRA Storm Sewer School	20

**15 Guest Lectures      620 Students**

**7. Assessment**

**a.      Feedback from DOT's & Municipalities**

<b><u>DOT</u></b>	<b><u>Meeting / Conf</u></b>	<b><u>Follow Up</u></b>	<b><u>Comments</u></b>
NL	Mar 2019	Nov 2020	John Morrissey retired in July 2020. Just recently, Carrol Gillingham from outside the department has taken his place. Contacted Carol who will review the recommendations.
PEI	June 2019	Nov 2020	Standard specifications are out for review with comments expected back by December 18 <sup>th</sup> . Expect to publish early 2021.
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 <sup>th</sup> .
QC	May 2020	Sep 2020	MTQ reported by email that results were similar to previous tests. Excellent results for corrosion, similar results for abrasion. Refused to issue report, indicating email will suffice.

<u>DOT</u>	<u>Meeting / Conf</u>	<u>Follow Up</u>	<u>Comments</u>
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	Nov 2020	Recommendations submitted – Danielle Salem now in charge. Future discussions to take place.
SK	Feb 2020	Jul 2020	Accepted material updates (A2 and PL) to standards. First PL project released. Outstanding items include: 1) 2010 report on maximum lengths of CSP, 2) study on unbalanced skews C.D. Smith's book
AB	Feb 2020	Oct 2020	Bridge Fabrication Inspection Guidelines to include an appendix for diameters >1500mm. AT accepted the majority of our recommendations.
BC	Aug 2019	Jul 2020	Updates accepted from G401 to CSP & SPCS standards. Letter to David Woolford & Gary Farnden covering "Future direction of Proprietary Structures". Offered assistance in updating the process for all buried plate structures. <b>Will conduct a conference call with David and members to discuss progress.</b>

#### **Municipality Feedback**

<u>Municipality</u>	<u>Mting/Conf</u>	<u>F/U</u>	<u>Comments</u>
St. John's NL	May 2018	Mar 2020	<b>"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."</b>
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 <sup>th</sup> . Documents sent on March 22 <sup>nd</sup> . <b>Follow up cancelled due to COVID.</b>
Hamilton ON	Nov 2019	Mar 2020	Presentation to committee with Armtec, AIL & AMD. Committee to reconvene for decision. <b>Suggested trial runs. Members to f/u.</b>

<u>Municipality</u>	<u>Mting/Conf</u>	<u>F/U</u>	<u>Comments</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. <b>Elevate.</b>
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. <b>F/U.</b>
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. <b>F/U.</b>
T Bay ON	Feb 2020	Jul 2020	Storm sewer presentation to Rick Harms and staff. AIL & Armtec attended. Positive feedback. <b>Will f/u.</b>
Waterloo Reg ON	May 2019	Aug 2019	Storm sewer presentation to the committee on May 14 <sup>th</sup> . Received email on Aug 30 <sup>th</sup> that our application had been denied. Sent email to William Kinnaird requesting a reason for their decision. <b>Will be discussed in PPC/TAC meetings.</b>
Welland ON	Mar 2020	Aug2020	Storm sewer presentation to Marvin Ingebrigsten and staff. AIL & AMD attended. Well received. <b>Suggested trial runs. Members to f/u.</b>
Winnipeg MB	Dec 2019	Jul 2020	Application and documents mailed on Dec 21 <sup>st</sup> 2018. Spoke with Tyler Phillips in Dec 2019, the committee has yet to review our application. <b>Will follow up in 2020.</b>
Calgary AB	Mar 2019	Jul 2020	<b>Recommendations accepted for storm sewer materials and certification.</b>
Vancouver BC	Mar 2019	Mar 2020	Met with Dane Doleman on Mar 29 <sup>th</sup> . Standards are in disarray and are being consolidated. He asked if we would wait until published. <b>Will follow up later this year.</b>



**b) Storm sewer market issues**

1. 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.
2. Concrete is the preferred choice – 95% plus
3. For storm sewers, spiral rib profiles are required to achieve required “Manning’s” flow. Diameters start at 300mm. Spiral Rib starts at 450mm.
4. Issues include durability, joint integrity, hydraulics, structural capacity, installation, maintenance & cleaning
5. Lack of case studies to work with.
6. Spiral Rib savings are in the 30 to 40% range versus RCP and 15 - 20% to HDPE.
7. Follow up required by members with Consultants / Municipalities.
8. Service connections to houses?
9. **Recommend a task force to look at strategy, promotion, technical aspects, etc.**
10. Webinar on *“How Allowing Multiple Pipe Material Choices Will Reduce Costs”*

**Discussion:**

- Jim stated that we need to put forth polymer laminated as material of choice and add testimonials from Windsor / Sarnia.
- Jason asked for a case study to be prepared on spiral rib for a 2020 project.
- Jason & Heba agreed that a task force is a good idea for the municipal market
- Dennis stated that each member company in the task force should be a task force within their own company.

**Action: Reach out to members for participants (sales force) covering all provinces 6-10 people. Include two technical people on the sub-committee. Mike Mounts from Valfilm will participate. Start monthly meetings in December. Hold webinar in January 2021.**

**c) Academic Education feedback**

Universities & Colleges are open to virtual guest lectures. Schedule and planning underway for winter term.

**8. Discussion / New Business / Old Business**

Heba – ORBA (Ontario Road Builders Association) - new movement that affects municipalities driven by CETA (Canada European Trade Agreement). City of Toronto & Hamilton are opposing. Some have adopted like the Region of Halton. Region of Durham have put their product committee approval on hold.

**Action items:**

- **Heba to send the link for CETA**
- **Ray to reach out to municipalities to gauge what progress / opposition exists and report back to PPC Committee.**

## **9. 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.

## **10. Adjourn & Next Meeting**

The meeting was adjourned at **12.52pm** with a motion from **Kamran Derayeh**, second by **Bruce Matheson**. The next meeting will be held in June 2021 at a place, date and time to be determined.

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Jason Sherwood  
Chair

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Ray Wilcock  
Executive Director