

8:45 A.M. to 10:15 A.M. NL, Monday, June 23rd, 2025
Delta Hotel by Marriott, St. John's, NL

Present:

Ian Kalverda, Chair	E.S. Hubbell	Stephen Ryan	Atlantic
Todd Gray	ACI	Mike Williamson	E.S. Hubbell
Marcia Stinson	AMD	Bruce Matheson	Frontier
Jina Robertshaw	AMD	Derek Niezen	Ironside
Kamran Derayeh	AMD	Sherylynn Smith	Ironside
Scott MacRae	Armtec	Dave Watson	Leland
Liz Bouchard	Armtec	Mike Green	Leland
Roger Leger	Armtec	Richard Northcutt	MarMac
Darren Bauman	Armtec	P.C. Drouin	Steel Dynamics
Glenn Smith	Armtec	Clément George	TUBAO
Lorne Stuckey	Armtec	Hadrien Le Flanchec	TUBAO
Jason Sherwood	Atlantic	Mike Mounts	Valgroup
Terry Dunn	Atlantic	Jonathan Paton	Warner
Matt Field	Atlantic	Ray Wilcock	CSPI
Pat Mayne	Atlantic		

1. Canadian Competition Act - Ray

Ray presented the Canadian Competition Act Guidelines for associations (Competition Act RSC, 1985, c. C-34) that are in effect for all CSPI meetings.

2. Welcome and Opening Remarks – Ian

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

3. Review Minutes from November 6th, 2024, and Approve

Minutes were sent to all in attendance. A motion for approval was made by **Terry Dunn**, second by **Mike Williamson** and was carried unanimously.

4. Strategic Plan Vision / Mission Overview

- a) Market focus – DOT, key municipalities & consultants**
- b) Educate colleges and university students**
- c) Review top 10 reasons – why steel?**

Top 10 reviewed.

Title

Action: Change to the following:

“WHY STEEL”

“10 ADVANTAGES”

Play a top 10 video on Linked In.

Continue to use Top 10 in presentations.

Advantage 1 Durability

Action: Recheck the numbers to Technical Bulletin 1 to ensure consistency and mention TB 1 on slide.

Advantage 2 Light Weight

Action: Switch diameter and length as we always refer to diameter first.

Change the photo

Compare to HDPE

Advantage 4 Sustainability

Action: Change “Freight Consolidation” to “Efficiency”

Add water consumption versus concrete

Add to “Lighter Equipment used in Installation”

Remove “Lower Impact Construction”

Remove “CSP” in 1st line

Advantage 5 Versatility

Action: Change 1st line to “Offered in standard or customized shapes – geometry available”

Advantage 6 Strength

Action: Make the numbers larger on the 1st slide (profiles)

Make it more visual and maintain it longer (10 seconds)

Work with Liz to change the visual by cutting it in half.

At the next PPC meeting, review slide in detail

In the 1st point, change “corrugations” to “corrugation profiles”

Advantage 7 Convenient

Action: Optimize white space and show both photos without transition.

Advantage 8 Resilience

Action: Put weight on top of crane and add a rail car photo.

Crane: 50 – 75 tons

Rail Car: 150 tons

Advantage 9 Extendable

Action: Look at alternative photos

Advantage 10 Accelerated Schedule

Action: Slow down each slide

Change to “3 versus target of 6 months with zero traffic interruption”

Other

Look at adding safety in transportation and construction, life cycle maintenance, and zero expansion joints, free thaw signs, etc. To be discussed at the next PPC meeting.

5. Key Performance Indicators (KPI)

a) DOT update

Presentations cover: Coatings and durability, buried bridges, CSA G401-24, watertight coupler demonstration, NZF3000 bolts, sustainability (carbon footprint) present and future, water testing demonstration, discuss DOT challenges, issues, needs.

NL Due Spring of 2026

PEI Due Spring of 2026

NB Due Spring of 2026

NS **April 23rd in Halifax** – presented to 6 ministry personnel and 4 members attended. Covered buried bridges, MarMac couplers, CSA G401-24, sustainability (EPD's), coatings, bolts & durability.

Issues raised were bolt corrosion and footings issue (head wall separation) on East River structure.

QC **Discussions taking place on the following:**

1. Suppliers versus owners' s consultant designing foundations.
2. Height of cover min of 600 mm in Quebec versus 300 mm in CSA, ASTM, OPSS

February

Win - We received notice that MTQ has updated its standard, granting polymer coated structural plate 75 year service life, the same as concrete

Response sent on the 10th pertaining to responsibilities for the geotechnical consultant, structural engineer, manufacturer, & contractor to clear up foundation design confusion.

ON **Apr 28th in London** – 15 MTO & 5 members.
Presentation was on rehabilitation (culverts & buried bridges)

Following the meeting, Information sent included:

- 1) bolt lab test results from MTQ & Elzly
- 2) technical bulletins on relining & durability.

Pending information requests include photos on impervious membranes over structures and CSA G401-24 when ready. [Reach out to Terry Dunn for photos.](#)

May 7th in St. Catharines – 3 MTO & 5 members.

Discussed our feedback on “OPSS 960 - Construction Specification of Buried Corrugated Steel Structures with Spans Greater than 3.0 m”.

The meeting was successful with the majority of comments and recommendations accepted. Follow up email was sent on May 26th covering 5 o/s issues.

Newest Update:

MTO needs about a month to review. Planning a November roll out.

[Standard drawings currently being looked at \(arch, box, closed bottom\).](#)

[Will follow up later this summer.](#)

MB Due Spring of 2026

SK **April 1st in Saskatoon** - 12 DOT & 1 member.

Two issues were raised:

1. Have we looked at coating just the inverts of CSP – similar to coal tar epoxy”. [This method is obsolete with the elimination of asphalt coating.](#)
2. Issues raised about pending new HOC tables.

AB **April 2nd in Edmonton** – 6 DOT & 4 members.

AT have asked CSPI to review the following:

1. “Standard Specification for Bridge Construction (end of year)
2. “Bridge Fabrication Inspection Manual (midsummer) and supply any recommendations to Clayton Matwychuk
3. Section 18, 1418 for drawings – Members to review

Discussion on plant certification for both CSP & SPCS.

[Documents sent.](#)

AT asked for guidance on when to use full reline versus partial on base of old pipe for rehabilitation. [Documents sent.](#)

May - reached out for information on retaining walls. Sent the relevant chapter in our handbook.

BC **April 4th in Coquitlam** – 10 DOT & 6 members.

The ½ day seminar was held and covered:

Introduction to CSPI / Industry – Ray

Structural Design of Buried Bridges - Stuart Murphy AIL

Installation & Construction Procedures – Ron Prychitko Armttec

Inspection, Maintenance & Rehabilitation – Ron Prychitko

Durability & Sustainability – Ray

The feedback from the ministry was very positive. Should we offer to all DOT's? [It was agreed to send to all DOT's for 2026.](#)

DOT Table

Owner	Gal. CSP	AL2 CSP	PL CSP	Gal. SP	TP SP	HDPE	RCP	Certification	Value Eng.
NL	No	Yes	Yes	Yes	Yes	<600mm	Yes	Yes	Yes
PEI	No	Yes	YES	Yes	Yes	Yes	Yes	Submitted	No
NS	No	Yes	No	Yes	Yes	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									

b) Municipality & Consultant Update

Municipality Update

2025 presentations cover CSPI, why steel, spiral rib storm sewers, CSA G401-24, watertight coupler demonstration, coatings, and durability – 100 years, sustainability (carbon footprint) present and future, water testing demonstration, discuss City challenges, issues, needs.

May 14th - Good Roads School in Oakville ON 27 Municipalities
Feedback was positive and some reached out for visits later this year.

Consultant Update

November 2024

Dillon Consulting (ON) – relining twin 6160 mm diameter 55-year-old Structural Plate Culverts in London. Supplied information on options for profiles, material, and installation.

Wyatt Eng & WSP (SK) – Supplied information on the new CSA G401-24, Table 2 Mechanical requirements for CSP and technical bulletins on repairs.

December 2024

Grey Highlands ON - Discussion ongoing pertaining to SWM for the Rocky Saugeen river. CSPI has offered to do a seminar for the consultant and municipality.

Trafikverket Sweden - Reached out to CSPI for information on abrasion. Information was sent, after obtaining consent from Viacon.

January 2025

Artelia Group - Engineering Consultants from Quebec City have reached out for lunch and learn. Offer was made.

April 2025

Artelia Group - reached out for information on soil compaction, critical and minimum levels. Provided relevant pages of our handbook.

Trafikverket (DOT) - reached out for information on abrasion and polymer laminate. Once Viacon gave the go ahead, relevant information was sent.

Municipalities Table

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 Yes	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

c) Number of Students/Institutions presented in last 12 months.

<u>Date</u>	<u>University / College</u>	<u># of Students</u>
Nov 18 th	University of Waterloo ON	100
Nov 26 th	University of Western, London ON	75
Nov 29 th	University of Guelph ON	60
Feb 6 th	Loyalist College Belleville ON	10
Mar 4 th	Toronto Metropolitan University ON	30
Mar 10 th	RMC University in Kingston ON	20

Mar 16 th	Niagara College in Welland ON	20
Mar 31 st	University of Regina SK	25
Apr 3 rd	Okanagan College in Kelowna BC	25
Apr 4 th	UBC in Vancouver BC	120
Apr 7 th	Seneca College Toronto ON	25
May 16 th	University of Windsor ON	45

12 Guest Lectures 555 Students

6. Discussion / Old Business / New Business

a) AMD's "*Stelligence of Steel*" program - Kamran

- Need a Storm Water Management case study from members.
- It was decided to move this to the PPC committee for execution.

b) NCSPA Polymer report – Ohio & Montana – Mike Mounts

- Metal parts from end cuts are sticking to the polymer with fear of delamination.
- The follow up with Ohio in February revealed no traceability, thus no change to standards nor issues going forward.
- In Montana, they have reduced their standard to 10 years of life add-on for polymer. Further inspection is required and will be followed up by the NCSPA.
- These issues are being moved to quality control in the plant.
- Derek from Ironside stated that machines can be adjusted to shoot the sparks outwards versus inwards in the pipe. The saw blade direction can be changed.

c) Annular Couplers – require rerolled ends causing issues for coatings

- Move towards dimpled couplers, MarMac's watertight couplers.
- To be moved to the TAC Committee for further discussion.

7. Strategic Plan Adjustments

- DOT visits & timing – stay the course
- Municipalities – no change
- Universities & Colleges – no change

8. Adjourn & Next Meeting – November 2025, Waterloo ON, TBD

The meeting was adjourned at **10:30 am** with a motion from **Roger Leger**, second by **Jonathan Paton** and was carried unanimously. The next meeting will be held in November 2025, in Waterloo ON, TBD by August month end.

Ian Kalverda
Chair

Ray Wilcock
Executive Director