



STRATEGIC PLANNING SESSION Memorandum of Meeting

8:30 A.M. to 10:00 A.M. EST, Tuesday, November 14th, 2023
Delta Hotel by Marriott, Waterloo, ON

Present:

Sam Mitra, Chair	Armtec	Bruce Matheson	Frontier
Jason Johnston	Armtec	Kamran Derayeh	AMD
Liz Bouchard	Armtec	Marcia Stinson	AMD
Scott MacRae	Armtec	Lucas Cooper	AMD
Roger Leger	Armtec	Dave Watson	Leland
Jason Sherwood	Atlantic	Jim Evans	CC
Terry Dunn	Atlantic	Todd Gray	ACI
Paul Proctor	Atlantic	Mike Mounts	Valgroup
Greg Wilkinson	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 – Sam

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

3. Review Minutes from June 5th, 2023, and Approve

Minutes were reviewed and accepted. A motion for approval was made by **Liz Bouchard**, second by **Bruce Matheson** and was carried unanimously.

4. Strategic Plan Vision / Mission Overview

a) Market focus – DOT, key municipalities & consultants

No discussion.

b) Educate colleges and university students

No discussion

c) Review top 10 reasons – why steel?

Top 10 reviewed.

Changes to be made:

Reason 2 - Light Weight

- a) Remove kgs under project requirements and add 80,100 kg, 1,832,000 kg
- b) Round 95.7% to 96%
- c) Add number of joints as comparison
- d) Add height of cover line
- e) Add cost differential above
- f) Add Mannings N of 0.012 above

Reason 5 - Versatility

- a) Change slopes to beveled ends
- b) Add skews and end treatments
- c) Add Box Culvert drawing (Liz)
- d) Change Pipe Arch to Horizontal Ellipse

Reason 8 - Resilience

- a) Add Flooring, sheet piling, forest fires, flooding, last structure standing

Reason 10 - Accelerated Schedule

- a) Add relining with step 2 (401 / 410 / 403 Reline Project)

d) SWM Market – from brainstorming session in June

Covered in the TAC Meeting.

5. Key Performance Indicators (KPI)

a) DOT update

2023 presentation covers spiral rib storm sewers, buried bridges, CSA G401, G90 & 5 mil polymer, NZF3000 bolts, coatings and durability, water and soil testing, and sustainability (carbon footprint) present and future.

NL November 23rd in St. John's

1. Requested information on polymer laminated coatings and life expectancy in differing hard / soft water conditions. Supplied technical bulletin #1.
2. Inquired about polymer coating galvanized structural plate as site conditions warranted polymer. Information given after consultation with Warner.

PEI December 8th in Charlottetown

NB December 4th in Fredericton

NS November 30th in Halifax

- QC** December 14th in Quebec City
- ON** Presented to 8 Highway & Bridge staff on March 7th in Thunder Bay.
Will hit other regions 1st Q of 2024.
- MB** Presented to 3 Highway & Bridge staff on March 9th in Winnipeg.
- SK** Presented to 11 Highway & Bridge staff on February 28th in Saskatoon.
1) Unusual corrosion pattern on 35-year-old riveted pipes on the overt section. Preliminary response is off gassing from the standing water. Will look in 2024.
2) Requested information on using nestable flange pipe for end treatments on CSP. Not recommended due to issues with lining up bolt holes. Nevertheless, will address during next visit to Sask in 2024.
- AB** Presented to 6 Highway & Bridge staff on March 15th in Edmonton.
- BC** Presented to 26 Highway & Bridge staff on April 4th in Kamloops.
Recommendations on Proprietary Pipe Design Guidelines sent. Will follow up with Ministry in Spring 2024.
- NWT, YK, NU** To be reviewed in 2023.

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	No	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

2023 presentation covers CSPI, spiral rib storm sewers, buried bridges, CSA G401, new profiles, polymer coatings and durability – 100 years, and sustainability (carbon footprint) present and future.

Presented

Calgary AB
Edmonton AB
Regina SK
Saskatoon SK
Winnipeg MB
Thunder Bay ON

Coming Up

St. John's NL November 23rd
Moncton NB December 6th

Consultant Update

January

Associated Engineering Edmonton AB – inquired about coating selection in very high chloride levels (brackish water). Polymer laminated was recommended for this site.

FNX-INNOV Engineering Montreal QC – inquired about relining a 4.3 M diameter, 80 M length in St. Bruno QC. Supplied information on alternatives covering invert only to full peripheral. Supplied both QC member contact information.

February

Dillon Consulting – provided information for a project they are working on, calling for a DCSP open bottom near Calgary AB.

April

National Capital Commission reached out for information on height of cover. Supplied information and project will result in an opportunity for members.

June

MCA Contracting Ltd Sudbury ON – information supplied for culvert replacement / rehabilitation.

Spring lakes Golf Course ON – information provided on 90° & 45° fittings for 900 mm diameter.

August

Dillon Consulting called to discuss reline options for a culvert in Brantford Ontario (hospital property). Options discussed and member information given.

Capital Sewer Services from Vaughn Ontario called for information on storm sewer connections. Information given.

September

Capital infrastructure Group Woodstock ON reached out for CSP options and pricing. Products discussed and member information given.

EMCO Waterworks Kelowna BC inquired about supply of CSP. Member information given.

Black & McDonald ON inquired about the use of CSP at the Pickering Power Plant. Products discussed and member information given.

Westward Forest Stewardship from Parry Sound inquired about beaver blockages of culverts. Information given.

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- 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

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

<u>Date</u>	<u>University / College</u>	<u># of Students</u>
Jan 25 th	York University, Toronto ON	62
Jan 30 th	University of Northern BC	25
Feb 1 st	Western University, London ON	35
Feb 8 th	McGill University, Montreal QC	25
Feb 9 th	Toronto Metropolitan University, ON	100
Feb 13 th	Niagara College, ON	30
Feb 27 th	University Regina (water resources) SK	10
Feb 27 th	University Regina (hydraulics) SK	25
Mar 7 th	Lakehead University, T Bay ON	30
Mar 10 th	University of Saskatchewan, Saskatoon SK	50
Mar 21 st	University of Guelph, Guelph ON	20
Apr 3 rd	Okanagan College Kelowna BC	20
Jun 16 th	University of Windsor ON	35
Sep 21 st	Loyalist College, Belleville ON	20
Oct 25 th	OGRA Storm Sewer, Oakville ON	25

15 Guest Lectures 512 Students

Coming Up

Nov 21 st	University of Western ON
Nov 28 th	University of Waterloo ON

6. SWAT Team Initiative – Storm Sewer Market

- Objective: Develop a strategy to penetrate municipal storm sewer market.
- 16 Members on the Team
- 5 Meetings held thus far in 2023

Last meeting – September 28th

Next meeting – December 20th

1. Update polymer laminated sites in Canada – visited 3 sites in Ontario in September. Report to follow.
2. Promote the Handbook and downloading capabilities.
3. Please send any provincial associations calling for speakers / papers.
4. Set up webinars for Quebec in French for later this year (SRP, Carbon Footprint). Work with Tony Tekly (Armtec) and Sebastien Gauthier (AIL).
5. Submitted abstracts to MEA ON, CEA AB, and CSCE in September.

7. Discussion / New Business / Old Business

New Business – Membership Recruitment, points raised:

- Reach out – potential candidates
- Manufacturers
- Producers
- Suppliers / Galvanizers

Discussion:

Publish the benefits of being a CSPI Member in the minutes and on the website

All members encouraged to reach out

In 2024, keep track of yeses versus no's

Look at road spending versus tonnage results (provincial stats)

Provincial associations were discussed (ORBA, Good Roads, MEA, list for next meeting in June)

In the reach out to potential members, the following is noted:

With membership in the CSPI, comes full access to the association as follows:

1. *Seat on the board of directors if you have a production facility in Canada.*
2. *Seats on the Technical, Product Promotion & Strategic Planning Committees*
3. *Attendance at all meetings via conference call (except annual meeting in June (in person only) – and fall meeting in November)*
4. *Access to members website only*
5. *Access to current research and technical information for members only*
6. *Access to CSA, ASTM, AASHTO standards, etc. CSPI chair's CSA G401 & and is a member of ASTM committees.*
7. *Access to CSPI expertise on any issues or technical questions you may have.*
8. *Webinars held, etc.*

Also, the attached PDF "Benefits of Doing Business with a CSPI Member" is sent.

8. Strategic Plan Adjustments

Stay the course.

9. Adjourn & Next Meeting

The meeting was adjourned at **10:15 am** with a motion from **Terry Dunn**, second by **Roger Leger** and was carried unanimously. The next meeting will be held on June 17th, 2024, in the Rimrock Hotel in Banff Alberta at a time TBD.

Sam Mitra
Chair

Ray Wilcock
Executive Director