



**ANNUAL MEETING
TECHNICAL ADVISORY COMMITTEE
Memorandum of Meeting**

11:00 A.M. EST, Wednesday, October 4th, 2023
WEBEX

Committee Attendance:

Paul Proctor (Chair)	Atlantic	Jim Evans	Cleveland Cliffs
Terry Dunn	Atlantic	Ian Berry (abs)	Warner
Pat Mayne	Atlantic	Mike Mounts	Valgroup
Scott MacRae	Armtec	Todd Gray	ACI
Bruce Matheson	Frontier	Derek Niezen (abs)	Ironside
Jaclyn Pittman	Hubb-Cap	Mike Hook (abs)	MarMac
Kamran Derayah	AMD	Jamie Martin (abs)	MarMac
Byron Nelson	Leland	Mike McGough	NCSPA
Dave Watson (abs)	Leland	Ray Wilcock	CSPI

1. Welcome and Opening Remarks

Paul opened the meeting at 11:00 a.m. EST and welcomed everyone. Introductions by all. Attendance was taken and is recorded above. Paul stated that there will be two virtual meetings per year (late summer & winter) and two in person (Fall & Annual).

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

Minutes were reviewed and a motion for approval was made by **Scott MacRae**, second by **Mike Mounts** and was carried unanimously.

3. Project List Update

1) CSA G401

- Meeting held on June 19th with quorum of members attending.
- 93 comments were received. Dispositioned, last meeting held on August 22nd with 15 members attending.
- Format was changed to product / profiles (CSP & SPCS) from current functions (Materials, Fabrication).
- Revised standard will be put out for public review this month.

2) Environmental Product Declaration

- EPD meeting held with Stan Lipkowski (AMD) on July 5th.
- Meeting held with AGEKO who will be performing the review. CSA will be the program operator.
- EPD manufacturer's data compiled and submitted to Stan Lipkowski (AMD) on August 31st.
- LCA report completed and sent to AGEKO for critical review.
- Publication will be done by CSA.

3) DOT's CSP & Structural Plate Standards Advancement

- BC Met on April 4th – 26 attended
Recommendations on Proprietary Pipe Design Guidelines sent. Will follow up with Ministry in Spring 2024.
- AB Met on March 7th – 6 attended
- SK Met on Feb 28th – 11 attended
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 at this 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.
- MB Met on March 9th – 3 attended
- ON Met Thunder Bay on March 7th. 8 attended.
Plan on meeting in November / December with other regional offices.
- QC Plan to meet in November
- NB Plan to meet in Nov / Dec
- NS Plan to meet in Nov / Dec
- PEI Plan to meet in Nov / Dec
- NL Plan to meet in Nov / Dec
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.
- Scott stated that NL should be conducting water testing prior to putting projects out for bid.
 - Terry recommended CSPI conduct water testing webinars and invite all DOT's.

- During visits to the Maritimes & NL in Nov / Dec time frame, water testing will be discussed and displayed.

4) Green Handbook

Commence after CSA G401 is complete.

- a) 2 Year Project
- b) Member participation
- c) Chapter by chapter

Table 2.16 – addressed the weights of plates with 1220 mm lengths. Presently, the table shows 1067 mm length, which are not presently in use.

- Paul suggested a series of teams to look after a few chapters simultaneously based upon knowledge and experience.
- Discuss at the November meeting and formulate a plan.

5) SWM Committee discussion – from last Strategic Planning Meeting

- Revisit in November and put together brainstorming dates.
- Mike McGough spoke about the calculator (water quality) on the NCSPA home page. He will share with CSPI the developer. Will review and determine if it can be adopted for CSPI. To be discussed in November.

4. Member / Ongoing Items update

a) AMD – (Kamran)

No update.

b) Cleveland Cliffs – (Jim)

Unfortunately, we were unable to hear Jim, as the sound from his microphone did not work. Reached out afterwards and Jim emailed a comment on EPD's and asked if CSPI had heard anything from his company. We did not and Jim stated that he will investigate this with their product administration department.

c) Valgroup – Lighter polymer laminate (Mike)

ASTM A742 containing lighter polymer laminate intended for the storm sewer market has passed with no comments. Mike is looking for test sites that will include lighter polymer, lighter galvanized and MarMac couplers. The intent is to compare materials side by side. CSPI will discuss these opportunities with DOT's during visits.

d) Leland - Bolt & Nut Research update (Byron / Dave)

No update.

e) Warner – alternative polymer coating update (Ian)

No update.

f) Ironside – machinery update (Derek)

No update.

g) ACI update (Todd)

Todd reiterated the lighter thickness polymer that Mike spoke about and stated that it has been used by some, however, has not been able to obtain any feedback yet.

h) MarMac Joint Testing (10.8 psi) of non-rerolled ends (Mike)

Mike McGough stated that several configurations have been tested through Pacific Corrugated at Oregon State University lab. Thus far, there have been good results with lockseams, however joints still need work. Results will be discussed at the NCSPA fall meeting in November. Intent will be to move towards ASTM once all testing results are satisfied. No tests have been conducted on spiral rib pipe yet.

5. Other Associations - Updates

a) NCSPA update

ASTM A929 which covers the lighter galvanized material has been put through. NCSA fall meeting is being held in Washinton DC from November 7th - 9th. Polymer & Aluminized site inspections, reports, and determination of presenting publicly will be discussed. The idea is to refresh the data and review.

b) ASTM update

Paul attended the spring meetings and further to what has been discussed above stated there were no contentious issues. Fall meetings will be in Washington DC from November 5th – 7th.

c) TAC update / Fall Conference & Meetings

- TAC Conference in Ottawa (Sept 22nd – 27th)

- Touched base with all provincial DOT's and territories.
- Attended 4 committee meetings for structures, environmental, climate change and council.
- Abstracts submitted to CEA AB (4) and CSCE (3).

d) TRB / AREMA / AISI

TRB - Mike stated that a webinar will be held on October 31st titled “*Demonstrated Performance on Buried Bridges*”. May attend if available.

AREMA just met and an update will be provided at the NCSPA meeting in November. Short / Medium Bridge Alliance recently met in Denver – updates next meeting.

6. Discussion / Old / New Business

- a) Gorilla water tape or Flex Seal tape versus Denso Tape

Todd asked to keep this on the list as he will be investigating based upon an inquiry to ACI.

- b) Bolt issue identified in Newfoundland and Labrador with salt seepage. This will be addressed in 2023.

Byron recommended to take photos of the head markings if visible.

7. Adjourn & Next Meeting on November 14th - Fall Meetings in Waterloo ON

The meeting was adjourned at **12:23pm** motioned by **Byron Nelson** and second by **Terry Dunn** and was carried unanimously. Next meeting will be on November 14th in Waterloo ON.



Paul Proctor
Chair



Ray Wilcock
Executive Director