

From: [REDACTED]
To: ["Speller, Wayne"; "Matthew Hebert"](#)
Cc: ["Jennifer \(CEAA/ACEE\)"; "Laura Friend"](#)
Subject: PROPOSED SCHEDULE of Email Responses to the AT MICRO-IDC Invitation
Date: December 5, 2019 5:56:19 PM
Attachments: [TRUE Copy.docx](#)

Greetings, Mr. Speller & Mr. Hebert ;

I commend Wayne's professional copious phone discussions, on the IR process. A copy of the Email below shows Wayne's alert to be **Out of office: December 9 through 16 (out of country)**. I asked about any optional times of his availability to meet with Mr. Hebert before the end of the Year, as well as our earlier agreement to schedule another meeting around 15 January 2020. Mr. Hebert will also be away and not available until our proposed January meeting Presentation.

The AT Mandate leaves no room for an unbiased IR Response. Therefore it is proposed to issue the Master Planning Strategic Environmental IDC in advance of the STANTEC Authorship defence of SR1.

The following Quote is from the [Provincial Approvals Section | Alberta Environment and Parks](#), Environmental Impact and Enhancement Act and the Water Act

2. Supplemental Information Request 1, Question 14, Pages 2.22-2.23 Supplemental Information Request 1, Question 15, Page 2.24 Alberta Transportation states that the Interim Design Report is still in draft as engineering investigation and designs are in the process of being advanced; therefore, it is not being provided. The finalized design report will be made available once complete.

a. Provide the stamped, signed version of the report titled "Springbank Off-Stream Storage Project Interim Design Report" (Stantec Consulting Ltd. 2017b.).

I have received a CRCAG Email stating that AT may respond to the Alternate MICRO-IDC by 2020. Does this mean that the "*The finalized design report*", will be submitted prior to the Alternate MICRO-IDC evaluation ?

Therefore I will now submit a series of about 11 Emails to isolate the following outline of a due diligent prefeasibility scoping analysis as preliminary data, research, and design imagery to advance the MICRO-IDC Conceptual scope of Feasibility. CEAA and NRCB are Cc'd to inform them of this IR due diligence sequential timing.

PROPOSED SEQUENTIAL OUTLINE of Emailed Submissions:

- 1. An historical litany anthology of the STANTEC/ RFP AMEC IDC**
- 2. Compare SR1 scope of work and EIS IR ERRORS & OMISSIONS to the scoping of a MICRO-IDC Environmental Collaborative.**
 - The purpose behind the micro-impoundment concept,
 - Its general arrangement in the Elbow River Watershed,
 - The effectiveness of the concept at mitigating different levels of flooding, and
 - Any ancillary benefits that implementation of the concept will provide.

3. Alberta Transportation assumes that Micro-Watershed Impounding scheme refers to a series of low-head dams or weirs placed throughout Elbow River and its tributaries.
 - This concept would require significant disruption to the Elbow River system as a whole with the installation of multiple low-head dams
 - that would be required to meet the active flood storage capacity requirements for flood control on Elbow River.
 - Micro-hydro and other low-head dams have been proven to be barriers to fish, and mitigations using fishways are often rarely successful at these facilities.
 - This scheme is likely to render the river impassable at multiple points in the watershed.
 - The Micro-Watershed Impounding scheme would also require road and utility access to each of the micro-impoundment facilities.
 - There are currently very few roads (both inactive and active) within the Sheep, Elbow and Highwood River watersheds,
 - and disturbance from this access would likely have a considerable effect on the watershed, the fish and wildlife, and the area's stakeholders.

4. Describe the MICRO-IDC first strategic examination of Geologic and Geomorphologic landscape watershed flooding conditions. Isolate wilderness and wildlife habitation natural Environmental conjugation to be evaluated for flood control planning.
5. Isolate the EAP FLOOD Monitoring System for evaluating flood mitigation units of vector force surge to estimate $F=MA$
6. Estimate the $F=ma$ KINETIC Snow Loading from the Alpine Upper Headwaters.
7. Evaluate the $F^1 S$ of micro watersheds F^2 CUMULATIVE VECTOR S exiting the Alpine Headwaters onto the river valley "Flatts".
8. Estimate the $F=ma$ from Mt. Rae 10,558 ft to Bragg Creek 3800+/- ft gravity acceleration @ 32 ft/s^2 (onto the Diversion Point).
9. Examine the Post flood in-stream remaining riverbed vertical Micro dam scaled existing undulations and the Drone surveyed examination of the geospatial and geomorphologic deformations and river bed compaction.

10. **PRESENT the Co-Authored MICRO UPPER HEADWATERS IMPOUND CONCEPT.**
11. **PRESENT- Proposed Consultant Consortium Collaborative to perform a Feasibility Analyses, CPM & CMA Cost::Benefit.**

Respectfully Submitted ;

Charles Hansen EKISTICAL URBAN ARCHITECT PLANNER
B ARCH – MAJOR THESES URBAN DESIGN INFRASTRUCTURAL PLANNING

HANSEN REGIONAL COMPREHENSIVE PLANNING CONSULTING
STRATEGIC EKISTICAL CONCEPT EVALUATION-----DYNAMIXION DEVELOPABILITYURBAN DESIGN
Calgary, Alberta, [REDACTED]

From: Speller, Wayne [<mailto:Wayne.Speller@golder.com>]
Sent: November-25-19 11:45 AM
To: Scandinavian
Cc: Matthew Hebert
Subject: potential call times

Hi Mr. Hansen,

I received your voice message. I am available the following times this week:

- Tuesday November 26 from 9 to 10 am
- Tuesday November 26 from 2:30 to 3:30 pm
- Thursday November 28 between 2:30 and 4:30 pm

Do any of these times work for you? Please let me know your preference and I can call you at 403-592-0926.

Talk to you soon,

Wayne

Out of office: December 9 through 16 (out of country)

Wayne Speller (M.Eng., P.Eng., PMP)
Principal, Senior Regulatory & Impact Assessment Specialist

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