

## Monthly Meeting (December 2020)

Date: December 29, 2020

Time: 2:16pm - 3:07pm

Location: Park Seismic Office

Attendees:

In the office: Choon Park

Via Skype: Jin Park, Josefin Starkhammar, and Nils Ryden

### 1. Project Schedule

Due to the COVID hikes again things became different than we planned for our project, especially in that Josefin got significantly impacted due to the new protocols in her teaching at the university. We may need more time for our project, for example, by extending it to May 2022 from October 2021. We will need to contact MnDOT (Jason Richter) for this matter.

### 2. Budget Revisit

- a. We have not used our project budget allocated to travel for our Joint Field Test #1 originally scheduled sometime in Fall 2019. We may need to reallocate it towards maybe our labor cost since we will definitely have to work more hours for Joint field test as we need more time and work more intensely through the remote mode.
- b. We will discuss this further and wait till later for the budget reallocating.

### 3. Joint Field Test (JFT) #1

- a. Team Sweden reserves the 2<sup>nd</sup> week of January for the 1<sup>st</sup> Joint Field Test (JFT #1). However, if it does not work for them, then they will try to do so in the 4<sup>th</sup> week of January. It largely depends on the weather even after the completion of circuit board as well as the Josefin's university schedule.
- b. The cold temperature should be a more favorable condition to acquire a set of "better-quality" seismic data during the field test.
- c. The "Stop.txt" file in addition to the "Arm.txt" file on Choon's ParkSEIS-HMA software should be ready before the JFT to properly work with Josefin's PXI acquisition program.

### 4. Projection of Next Year

- a. Communication between ParkSEIS-HMA software and Josefin's Acquisition software will be completed in January.
- b. Collecting real data on the pavement by Team Sweden will be executed as often as possible for both hardware and software development/refinement purposes.
- c. Joint field test #1 will be done in the 2<sup>nd</sup> week of January 2021 (or in the 4<sup>th</sup> week of January).
- d. Completion of 1D system will make the entire project progressed more than 50%. The remaining will be much less challenging for the hardware construction part than the year 2020.
- e. It will be mostly the software development to complete the 1D process and to extend toward the 2D process. For the hardware part, it will be mainly the impact source that will play the most critical role for the optimum design of the 2D acquisition system.

### Agreed to do:

Josefin will finish working with the circuit board for 1D system within a couple of weeks and so we will pursue the execution of the JFT#1 afterwards.