

## Monthly Meeting (March 2021)

Date: March 30, 2021  
Time: 2:30 pm - 3:41 pm  
Location: Park Seismic Office  
Attendees:

In the office: Choon Park and Jin Park  
Via Skype: Josefin Starkhammar, and Nils Ryden

1. **Contract Amendment Plan** (Jin proposes most, and others responded occasionally)
  - a. Contract amendment needs to be prepared by August. Thus, we will have to prepare the amended proposal soon in both contract and budget, probably before May or June at the latest to account for possible further adjustment with MnDOT.
  - b. The project period will be extended to June 2022 from current October 2021 to meet the final demonstration during the NRRR conference in 2022.
  - c. Choon proposed that the final hardware system be delivered to Park Seismic by October 2021 so that it can be used for more effective development of the ParkSEIS-HMA software package.
  - d. Budget hours need to be re-adjusted between Josefin and Nils because Nils will need more hours to finish the design and completion of the 2D source-receiver system. The new budget-hour plan should be available within the next month.
  - e. Budget reallocation will be made and discussed during the next month's meeting with a draft plan.
  
2. **The First Joint Field Test (1st JFT)** (Choon proposes most, and others responded occasionally)
  - a. Choon went through the data set collected during February 2021 for the 1st JFT by using a prepared power point file and commented the data quality was superb. He also discussed, asked questions, and commented on the raw TDMS files in terms of how they were collected and saved.
  - b. Choon commented on the results of velocity, thickness, and temperature of the asphalt pavement. He asked questions about the temperature, timestamp, and GPS data.
  - c. He mentioned the number of false trigger records, which turned out less than 0.4% for the total records acquired (about 2400).
  - d. He mentioned one TDMS file had incorrect file format that caused the ParkSEIS-HMA software to clash. Josefin would check on it to figure out what caused it.
  - e. Choon revisited the overall mode of operation with the PXI control software and the ParkSEIS-HMA software. He emphasized that the main software will be ParkSEIS-HMA that controls both data acquisition and process of the entire system. The PXI control software will be accessed only when special circumstances occur that need to check and adjust parameters for data recording that are not controlled by the ParkSEIS-HMA.
  - f. Choon wanted to have a separate technical meeting with Nils in one week to discuss the overall design of the 2D system.

Agreed:

- Park Seismic and Norrfee Tech will perform another joint field test within the next month.
- Norrfee Tech and Park Seismic will prepare its own amended contract and budget plans before the next month meeting.