

## **Project 12: Solar Roadways**

### **10/09 Meeting Minutes**

#### **Attendance:**

Jesse Strange  
Violet Gomm  
Tavara Freeman  
Hussain Beleed  
Dr. Herb Hess

#### **Topics:**

- Turn in Portfolio and Logbooks to Hussain
- Snapshot preparation has been main focus
- Acquire the Solar Panels
  - Bailey's team is still using this semester, so we want to make sure we don't have issues with overlapping testing schedules.
- Updates with contacts:
  - Jesse contacted Guy Esser again.
    - Suggested we get in contact with Fred Pollard, the Energy Resource Manager for UI.
      - We can see if Mr. Pollard has access to the information of the solar panels on the edge of campus.
      - We could set up an appointment with him to have any questions we have answered.
        - Wait on this until we get handoff from Bailey's team, and have a list of questions prepared.
    - Didn't seem to have a problem with us testing at new arena site.
  - Tavara will be in contact with Alyssa Delbridge about panel software.
    - Also ask about other general questions team has on panels and for anymore updated documentation of the panels.
  - Violet will contact Mike McMenemy about the testing equipment we could use.
  - Jesse will follow up with Kerri May about accessing the panels.
- To do:
  - We need to figure out what Bailey's team end goal is, so we know what we can work with from them.
    - Could ask about it at the Snapshot today.
  - For next week:
    - Have a report ready on where we are with the contact of Alyssa Delbridge contact and the Solar Roadways software.
      - Need to see if it will be able to do what we want to with the LEDs with the time multiplexing display and if they will show the same display on a computer screen.
    - Have a briefing on how our testing will be different than the other teams so we don't do the same thing.
      - Violet will get in contact to get more information from Bailey's team to avoid any overlapping testing this week so we can plan our testing as soon as possible.

- Look into using Circuits lab (Digilent) equipment for testing if we want to use any of it.
  - Could require using a voltage divider and how to measure the current.
  - We could build a board for a current measuring device if we choose too.
- We can also use equipment in the power lab for testing.
- Issues we may have:
  - Security of panels with setting up the panels at the site of the new Idaho Central Credit Union Arena.