

Meeting Agenda:

Review and update product requirements as required. Develop Tasking.

I) Product Requirements

- a. Electrical Safety
 - i. NEMA requirements
 - ii.
- b. Weather Housing
 - i. MUTCD may have more info
 - ii. NEMA requirements
- c. Strength
 - i.

II) Tasking

- a. Admin Review
 - b. CFD/DFD – Jason
 - c. Research models for power design requirements
- From last week Jason had looked at certain off the shelf items and believe that we are looking at a 12 V battery
 - Model what is healthy for it to discharge at
 - Also looked at wattage and certain ratings
 - Explained to that we will be using (flashing LEDs)
 - o We will use 8 LEDs attached to the border
 - o Yellow or white
 - o Flashing
 - o Frequency will be the middle of the band, so we have an error margin (59 Hz)
 - Could achieve a cost analysis at the end of this if we have time
 - Could measure the reflectivity as well

TO DO:

- Look at the project schedule template excel sheet – On Thursday
- Make sure that the UDrive is up to date
- CFD/DFD – Jason will play around with
- We will all research more on power design requirements
 - o Look at general models that are already out there
 - o Get a better idea of off the shelf products that we will need
- Make sure that our log books are up to date
- Need a plan on how we are going to simulate this
- If we need fabrication – we will need to reach out if we need to get shop training
- Ian Glasgow is the ME teaching assistance – glas9633@vandals.uidaho.edu
- AC over DC generator? – Email Dr. Hess

Meeting Adjourned: 1:22pm