

EE/CPRE/SE 492 - sddec22-10

Low Water Crossing Indicator

Biweekly Status Report 6

Reporting date:11/8/22-11/22/22

Client: Lee Harker

Faculty Advisor: Lee Harker

Team Members:

Dylan Blattner: Product Owner/Sensor Lead

Nithin Sebastian: Signage Lead

Brandon Choy: Wireless Communication Lead

Jacob Ross: Power Systems Lead

Tyler Rebischke: Solar Lead/Team Lead

Past Week Accomplishments:

Dylan:

- Finalized sensor code for taking measurements
- Began making code more readable and accessible for other group members
- Collaborated when needed

Nithin:

- Collaborated with group members to get LED system and measurement system integrated

Brandon:

- Worked on battery/solar test

Jacob:

- Battery Testing and Integration
- Collaborated with others in each area

Tyler:

- Completed battery/solar tests and integration

- Researched waterproof housings for our electrical components
- Ordered waterproof housings

Pending Issues:

Individual Contributions:

Team Member	Contribution	Weekly Hours	Total Hours
Dylan	Finalizing Arduino code	5	24
Nithin	Finishing integrating LED with measurement system	2	15
Brandon	Battery testing	2	17
Jacob	Testing	4	17
Tyler	Research/integration	5	35

Plans for Upcoming Week:

Dylan:

- Help with assembling the prototype and testing

Nithin:

- Work with Dylan to fully integrate measurement system

Tyler:

- Get the final prototype assembled and tested

Brandon:

- Finish up prototyping and testing

Jacob:

- Final prototype assembly