

EE/CPRE/SE 492 - sddec22-10

Low Water Crossing Indicator

Biweekly Status Report 5

Reporting date: 10/25/22-11/8/22

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 Rebeschke: Solar Lead/Team Lead

Past Week Accomplishments:

Dylan:

- Integrated LED, lora, and water sensor into some basic code
- Began helping integrate other parts of the system together

Nithin:

- Worked on integrating LEDs with LoRa system

Brandon:

- Helped with component connections and wiring

Jacob:

- Worked on setup of power system
- Tested battery charging

Tyler:

- Completed setup of one half of the power system module
- Worked on troubleshooting the other half of the system that is currently failing
- Ordered signage parts

Pending Issues:

Individual Contributions:

Team Member	Contribution	Weekly Hours	Total Hours
Dylan	Lora, LED, sensor implementation	4	19
Nithin	LED/LoRa integration	2	13
Brandon	Wiring and connections	2	15
Jacob	Power System testing	4	13
Tyler	Power system work	5	30

Plans for Upcoming Week:

Dylan:

- Fix issue with serial overflow
- Fully implement LED and lora

Nithin:

- Help integrate LED with LoRa fully

Tyler:

- Finish troubleshooting of the power system

Brandon:

- Finish up Lora
- To help those that need assistance

Jacob:

- Finish the power system setup and integration of other components