

**Project Status Report: CEE-2019CPST-007**

**Report Date: 3/2/2020**

**Team Members:** Craig Goff, Grant Moss, Nathaniel Flores, Rachel Anderson  
**Project Title:** UDWR Dam Structures Damage-Remedial Project

**1) Summary of technical/non-technical challenges encountered**

Challenge: Considering changing lab construction from using plywood box to 12" dia. pipe.

Challenge: Developing Lab experiment procedure

Challenge: Finalizing materials and lab costs

**2) Team approaches & resolutions to overcome challenges**

Challenge: Considering changing lab construction from using plywood box to 12" dia. pipe.  
Resolution: Investigate local suppliers to see pricing and if we can obtain one within this week.

Challenge: Finalizing materials and lab costs  
Resolution: Wrote up time and materials list to be sent to lab manager

Challenge: Developing Lab experiment procedure  
Resolution: Writing out a draft listing our step by step procedure of how we are going to conduct the experiment

**3) Status of challenge resolutions & potential project impact**

Challenge: Considering changing lab construction from using plywood box to 12" dia. pipe.  
Status: Researching online along with calling local suppliers to determine if buying a 12" pipe is within our budget and if it is readily available

Challenge: Finalizing materials and lab costs  
Status: Lab manager has reviewed and approved time and material list

Challenge: Lab experiment procedure  
Status: Meeting with faculty mentor for guidance on drafting our laboratory procedure

**4) Project status & summary**

Met with Brad Price over the week to talk about Dam Safety and Hi-tech ND (non-destructive) methods to be used for inspecting earthen dams for rodent burrows. As of to date, there are no viable ND methods for detecting internal rodent burrow systems. It was advised that we experiment with different grout mixtures to minimize and possible attain slight expansion of grout. Lab manager responded back with updated time and material cost list for the team to look over and send to the sponsor.

Please enter # of hours spent on project this last week for each team member in the order listed above