



Project Status Report: CEE-2019CPST-007

Report Date: 2/24/2020

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: Artificially creating a rodent burrow in compacted soil

Challenge: Finalizing material and lab costs

Challenge: Construction procedures

2) Team approaches & resolutions to overcome challenges

Challenge: Artificially creating a rodent burrow in compacted soil
Resolution: Using section of linear pvc piping, downsizing original dimensions

Challenge: Finalizing materials and lab costs
Resolution: Come up with materials list to determine cost. Consult lab manager to determine lab costs.

Challenge: Construction procedures
Resolution: We have determined ways to build the boxes to ensure it does not leak or have any holes

3) Status of challenge resolutions & potential project impact

Challenge: Artificially creating a rodent burrow in compacted soil
Status: Using in series vertical & horizontal pvc pipes to create U shape while soil is being compacted

Challenge: Finalizing materials and lab costs
Status: Materials list completed. We are waiting for the lab manager to finalize lab costs

Challenge: Construction procedures
Status: We have a set procedure to try, and will adjust accordingly if needed.

4) Project status & summary

We are finalizing all materials, costs, and procedures. We have determined a material list, and the cost estimate is pending. We are in the process of collecting materials and ensuring we have what we need. The procedure is determined and understood by group members. We plan to begin construction of the experiment at the end of the week to obtain our final results to see if seepage rate change occurs when adding grout to burrow holes.

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