

Project Status Report: CEEEn-2016CPST-006: Temporary Slope Repair for Highway Expansion
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1) Summary of technical/non-technical challenges encountered • It has been a challenge to analyze the soil profile in the UTexas software and find out the best soil property conversion method. • Learning a new software. • Mentors have been really busy and it has been difficult to find a time to meet.	2) Team approaches/resolutions to overcome challenges • We were able to coordinate our schedules and work together in the project at times, collaborating and helping each other. • Extensive research as well as trial/error led to significant results to the problem.
3) Status of challenge resolutions & potential project impacts • We created soil profiles using the UTEXAS software and came up with the failure plane of the slope by analyzing several stations of the repair length. • Research led to three possible solutions for slope stability: steel mesh with anchors, driven piles or anchors with shotcrete.	4) Project Status & Summary • Failure planes have been developed • Construction drawings will begin • Solution will be narrowed upon approval