

View results

Respondent

29

Mark Taylor

04:42

Time to complete

Project Questionnaire

Please provide proper and accurate information.

1. Name of project *

CornCrete

2. Date project received financial award letter *

12/11/2017

3. Date of forecasted project completion *

Due to sabbatical: 12/20/2025

4. Date of report submission *

5/17/2024 for Spring 2024

5. Marketing and promotion efforts to date *

The project was discussed in an interview conducted by Jenna Kurtzweil, iSEE Communications Intern and released via the iSEE website on February 14th 2019: <https://sustainability.illinois.edu/past-present-and-future-concrete>. The videos documenting the process has begun to be released to key interested parties. As part of outreach activities, a paper about the project was presented at the Building Technology Educator's Society conference at the Cosanti Foundation in Arizona on June 2nd 2023. The paper has now been officially published and can be found on page 136. Viewable via the following link: <https://openpublishing.library.umass.edu/btes/article/id/1920>

6. Please describe project progress *

The majority of the work to date can be broken down into the following categories:
Design Work: 100% Complete
Material Preparation: 100% Complete
Material Installation: 100% Complete
Video Documentation: 95% Complete
Data Monitoring Purchase and Installation + Informational Display and Signage: 85% Complete
Final Plaster Finish: 100% Complete
Latest Scope Change / Additional work 25% Complete
(NB. No purchases were made in Spring 2024)


7. Please describe how your project integrates student involvement and community outreach *

The initial work was carried out by one undergraduate and one graduate student. In spring 2019 a team of 4 graduate students built a mock-up wall using 3 different agricultural fibers within the setting of a seminar class. During the Summer of 2021 a team of 3 students (1 graduated student) worked on the installation of the different grasscretes in the 2 demonstration walls. One graduated student worked on video documentation of the process to be used for outreach purposes. An early version of the video documenting the process has already been shown at a couple of outreach activities. Early in 2022 an addition student (graduate hourly) joined the team to assist the PI apply the final layer plaster to the two demonstration walls. The installation of temperature and humidity sensors into one of the test walls was completed January 31st 2023. The creation of informational signage still needs to be carried out, this work will be completed in with student involvement. In Fall 2023 seven students were involved in the use of geopolymers to improve the functionality of the bathroom in the Gable Home and prepare the east facade of the building for the new siding installation. During the Spring of 2024 I worked with one student to accurately measure all the requirements for the new siding and we fabricated sample brackets to hold the new siding in place.

Project Documentation

8. Please upload updated financial documentation for your project

<https://studentengagement.illinois.edu/student-sustainability/ssc/docs/SSC-Supplemental-Budget-Timeline.xlsx> *

 [Account Reconciliation 767201Concrete ITD_as_Mark Taylor.pdf](#)

9. Please upload project photography *

 [00_03212024_Gable House Facade Details_Mark Taylor.pdf](#)