

Quarterly Progress Report:

Project Number and Title: 2.2 Concrete Systems for 100-yr Design Life

Research Area: New Materials for Longevity and Constructability

PI: Eric Landis, University of Maine

Reporting Period: 1 March to 31 March 2020

Submission Date: 31 March 2020

Overview: (Please answer each question individually)

Project received approval 26 February and was initiated 1 March. A kick-off meeting with DOT collaborators has been postponed due to COVID-19. To date, only project activities have been remote research consisting of literature reviews. A graduate research assistant, Adhora Tahsin, was offered and has accepted the position starting in the fall.

Table 1: Task Progress			
Task Number	Start Date	End Date	% Complete
Task 1: Early age cracking inventory	1 March 2020		0
Task 2: Long term cracking inventory	1 March 2020		0
Overall Project:	1 March 2020	28 February 2022	

Table 2: Budget Progress		
Project Budget	Spend – Project to Date	% Project to Date*
\$330,780	\$0	0 (3/31/2020)

*Include the date the budget is current to.

Describe any opportunities for training/professional development that have been provided...

Nothing yet to report

Table 3: Presentations at Conferences, Workshops, Seminars, and Other Events				
Title	Event	Type	Location	Date(s)
N/A				

Table 4: Publications and Submitted Papers and Reports				
Type	Title	Citation	Date	Status
N/A				

Participants and Collaborators:

Table 5: Active Principal Investigators, faculty, administrators, and Management Team Members			
Individual Name	Email Address	Department	Role in Research
Eric Landis	landis@maine.edu	Civil and Environmental Engineering	PI
Hosain Haddad Kolour	hosain.haddad@maine.edu	Civil and Environmental Engineering	Post-doctoral research associate

Use the table below to list all students who have participated in the project during the reporting. (This includes all paid, unpaid, intern, independent study, or any other student that participated in this project.)

Table 6: Student Participants during the reporting period				
Student Name	Email Address	Class	Major	Role in research
N/A				

Use the table below to list any students who worked on this project and graduated during this reporting period.

Table 7: Student Graduates			
Student Name	Role in Research	Degree	Graduation Date
N/A			

Current discussions are ongoing with the Maine DOT and the Maine Turnpike Authority for additional project matching funds.

Table 8: Research Project Collaborators during the reporting period						
Organization	Location	Contribution to the Project				
		Financial Support	In-Kind Support	Facilities	Collaborative Research	Personnel Exchanges
N/A						

List all other outputs, outcomes, and impacts here (i.e. patent applications, technologies, techniques, licenses issued, and/or website addresses used to disseminate research findings). Please be sure to provide detailed information about each item as with the tables above.

Table 9: Other Collaborators			
Collaborator Name and Title	Contact Information	Organization and Department	Contribution to Research

Who is the Technical Champion for this project?

Name: Michael Redmond

Title: Concrete Quality Specialist at MaineDOT Bridge Program

Organization: MaineDOT

Location (City & State): Augusta, Maine

Email Address: Michael.Redmond@maine.gov

Changes:

COVID-19 has slowed the project start, but at this point, we do not anticipate changes to overall project schedule.

Planned Activities:

Formally kick off project with MDOT as soon as pandemic permits; continue to review considerable volume of literature on concrete durability and performance modeling.