

**NEW ENGLAND TRANSPORTATION CONSORTIUM
QUARTERLY PROJECT PROGRESS REPORT**

- A. PROJECT NUMBER AND TITLE:** NETC 19-2, Multi-Scale Multi-Season Land-Based Erosion Modeling and Monitoring for Infrastructure Management
- B. PRINCIPAL INVESTIGATOR(s) & UNIVERSITY(s):** Christopher Snow, GZA and Aimee Mountain, GZA
- C. WEB SITE ADDRESS (If one exists):** None
- D. START DATE (Per NETC Agreement):** February 13, 2020
- E. END DATE (Per NETC Agreement):** June 30, 2021
- F. ANTICIPATED COMPLETION DATE:** January 31, 2022 – 24-month project and two (2) year contract term, as per RFP # T201908002 and as discussed in March 5, 2020 kick-off meeting
- G. PROJECT OBJECTIVES:** The objective of this research project is to develop a slope stability model that will be used to create an effective multi-scale assessment toolkit that aids in monitoring, forecasting, and prioritizing areas of erosion and slope instability.
- H. REPORT PERIOD:** January 1, 2020 – March 31, 2020
- I. ACCOMPLISHMENTS THIS PERIOD:** The project was awarded on February 13, 2020 and the project kickoff meeting was held on March 5, 2020. Task 1 – Literature Review and Survey activities are underway and include review of slope stability literature, GIS data availability, development of an online survey, and a request for survey recipient contact information that was sent to the Technical Committee on March 19, 2020.
- J. PROBLEMS ENCOUNTERED (If any):** None
- K. TECHNOLOGY TRANSFER ACTIVITIES:** No activities during the reporting period.
- L. STATUS BY TASK:**

Task	Description	Anticipated Completion	% Complete
Task 1	Literature Review & Survey	June 30, 2020	20%
Task 2	Analysis and Modeling	December 31, 2020	Not Started
Task 3	Ground Truthing & Monitoring	February 28, 2021	Not Started
Task 4	Toolkit Development	September 30, 2021	Not Started
Task 5	Finalize Toolkit	October 31, 2021	Not Started
NETC Technology Transfer	Implementation Plan, Technology Transfer Strategy, and Toolkit	December 31, 2021	Not Started
Final Report	Summary of findings, recommendations, toolkit and model description	January 31, 2022	Not Started
Overall:			4%

M. PERCENT COMPLETION OF TOTAL PROJECT: 4%

N. ACTIVITIES PLANNED FOR NEXT QUARTER: Next quarter we anticipate starting work on Task 2 – Analysis and Modeling, completing Task 1 – Literature Review and Survey, and submitting the Task 1 report by June 30, 2020.

O. FINANCIAL STATUS:

As of: *March 27, 2020*

Total Project Budget: \$148,035.42

Total Expenditures: \$5,718.58