Semi-Annual Progress Report

Project Number and Title: 4-7, Integrated Green Infrastructure and Sustainable Transportation Planning
Research Area: Thrust 4
PI: *Christopher Hunter, University of Rhode Island*
Co-PI(s): *Farhad Atash, University of Rhode Island*
Reporting Period: *4/1/2019 – 9/30/2019*
Date: 9/30/2019

Overview: (Please answer each question individually)

Provide overview and summary of activities performed during previous six months….

- Reviewed the literature focusing on green infrastructure practices at community and site scale.
- Conducting a review of the literature focusing on green infrastructure practices at regional scale.
- Began review of literature of looking at potential models that estimate performance of roadway infrastructure
- Started looking at literature that can help with linkage of GI usage and impact on infrastructure

Provide context as to how these activities are helping achieve the overarching goal of the project…

- The review of literature provides the background to accomplish the first and second objectives of the research project that summarizes concepts, principles and benefits of green infrastructure practices at community and site scale as well as regional scale.
- The review of literature on models and linkages helps move toward the third objective of the research project.

Describe any accomplishments achieved under the project goals…

- The research findings for tasks 1 and 2 would provide the foundation to complete the first objective of the research project.

Describe any opportunities for training/professional development that have been provided…
We did have the opportunity for interaction with the Rhode Island Department of Transportation to investigate their Asset Management software, dTIMS. We were looking at this as a potential software package to help us understand parameters that impact the life of infrastructure.

Describe any activities involving the dissemination of research results (be sure to include outputs, outcomes, and the ways in which the outcomes/outputs have had an impact during the reporting period)...
NA.
Encouraged to add figures that may be useful (especially for semi-annual reporting by the project manager and management team)…
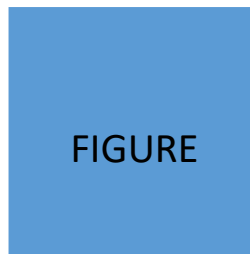We have included a file that will serve as Figure 1.

Figure 1: Activity in Rhode Island Associated with the Aquidneck Island Planning Commission Using Green Infrastructure in Transportation Planning Process

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Participants and Collaborators:

List all individuals who have worked on the project.

- Chris Hunter and Farhad Atash, University of Rhode Island

List all students who have participated in the project. (Include name, email address, class standing, major, and role in the research)
Abdulazeez Alobikan, an incoming senior Civil Engineering major worked with us during the summer, but he had to stop as we started the Fall semester. We are looking for a new student at this point.

What organizations have been involved as partners on this project? What was their role?
The Rhode Island Department of Transportation has worked with us in various roles in helping us identify sources and potential Green Infrastructure/Transportation Planning partnerships and helping us with access to asset management issues.
Have other collaborators or contacts been involved? If so, who and how?
NA.
Changes:

Discuss any actual or anticipated problems or delays and actions or plans to resolve them…
We may be delayed due to loss of the student on the project, but we hope to resolve that within the next week.

Discuss any changes in approach and the reasons for the change…

Planned Activities:

Description of future activities over the coming months.

- Complete the review of literature focusing on green infrastructure practices at regional scale.
- Investigate the asset management software usage possibilities and continue to work on ways to identify data to help strengthen the linkage between the deployment of GI and the potential for extending life of infrastructure.