## **IRA A. FULTON COLLEGE**

**Project Status Report: CEEn-2018CPST-008** 



## **Report Date:**

Team Members: Matthew Martino, Zachary Farnsworth, Melanie Latham

Member #1: 11

 Project Title:
 KIEWIT NORTH CAROLINA LNG STORAGE FACILITY GEOTECHNICAL EVALUATION

1) Summary of technical/non-technical challenges encountered	2) Team approaches & resolutions to overcome challenges
<ul> <li>Difficulties finding pavement design specifications</li> <li>Difficulties finding deep foundation design specifications</li> <li>Difficulties finding structural engineered fill properties</li> <li>Difficulties designing deep foundations through many different layers</li> </ul>	<ul> <li>Speak with on-campus professors specializing in pavement design</li> <li>Create spreadsheet to calculate axial capacities</li> </ul>
<ul> <li>3) Status of challenge resolutions &amp; potential project impact</li> <li>Design documents provided by Dr. Guthrie shed light on pavement design.</li> <li>Constructability merits of subbase fill for pavement design.</li> <li>Still working on deep foundations</li> </ul>	<ul> <li>4) Project status &amp; summary</li> <li>Pavement has been designed</li> <li>Deep foundations are pending</li> <li>Please note, the following hours are for the past 2 weeks.</li> </ul>

Member #1: 11

Member #2:

Member #2: 11