

Executive Summary

The following technical assignment begins to address some areas of interest to investigate more thoroughly in the future. The PACE Roundtable proved to be an excellent place to learn about emerging topics in the construction industry. A brief summary of the issues addressed are submitted in this document.

After some research into the Arts and Humanities Instructional Building, a few areas of interest have been presented. A closer look at these issues is performed to identify specific areas of study for the future. Along with analysis of particular problems, a research issue is identified.

The critical issue identified is sustainability, which cannot be overlooked. Green buildings and sustainable methods of construction are emerging topics and will only continue to grow. A closer look at how this can be incorporated into the analysis is presented in the following report. Researching how to make the AHIB a green building is the basis for research.

Three technical analysis activities are examined for additional research. They are site planning, sustainability, and constructability of the structural steel system. The AHIB will be studied to address how the analysis of the three topics can improve the value, constructability, and schedule of the project.