

PENNSSTATE Borland Laboratory Renovation



Executive Summary

The Pennsylvania State University, Borland Laboratory Renovation has recently begun construction under the General Contractor of Leonard S. Fiore. The notice to proceed was given on December 1st, 2006, and the project has a substantial completion date of April 4th, 2008. Leonard S. Fiore, Inc. has worked on many astounding projects around the State College, Pa area, and has also completed many projects for Penn State. Some of their recent work for Penn State has been, Pattee Library, Community Arts Center, Research Center, and The Bryce Jordan Center Renovations.

During the Fall 2006 and Spring 2007 Semesters, I will be working on this project as an employee of The Pennsylvania State University Office of the Physical Plant (PSU OPP). Due to the tardiness in the completion of The University Creamery, there was a delay in removing production machinery from the Borland Laboratory. This caused the project start time to be pushed back drastically. However it has also allowed ample time for the Architects, Bower Lewis Thrower, to produce a 100% complete bid set. To date there has only been one minor set of revisions issued.

This renovation will be the first LEED rated project for an existing building on any Penn State Campus. Penn State has hired a construction group that specializes in designing LEED buildings. Atelier Ten has formed a list of the different LEED items they believe could be achievable for this project. This list if completed will give The Borland Laboratory Renovation a LEED Certification rating. In this review I will be looking at many different options, including a redesigned domestic water system as well as a redesign of the HCAV system. These items strive to make this renovation more Green to work towards the plans of the AIA 2030 Challenge which I will also be covering.