

PENNS_TATE Borland Laboratory Renovation



Executive Summary

The Pennsylvania State University, Borland Laboratory Renovation is scheduled to be under construction from November 27th, 2006 until April 8th, 2008. This technical assignment covers many of the early processes that have and will be produced for this project. Following is a detailed project schedule, site layout, Fire Protection estimate, detailed structural estimate, and a general conditions estimate. These are just a part of the many things that must be considered before construction begins on the Borland Laboratory.

The project schedule gives a detailed construction schedule that shows the construction phases and sequences in a order to best complete this project on time and on budget. Using this schedule we can determine if the project is running on time and also where is will be neccicary to add cost loading.

The site layout has been developed to better show the flow of this very tight construction site. Various things have been taken into account for this plan. They include the location of dumpsters throughout the site to make a smooth demolitions phase, and also the crane location to best fit the minimal need for a crane on this project.

Also included in the following technical report are three estimates. The Fire Protection, Detailed Structural Steel, and General Conditions estimates show how 6.6% of Penn State's total budget will be spent on this project.