

EXECUTIVE SUMMARY

The second technical assignment expands on a few important areas of study from the first assignment. A more detailed project schedule is assembled for the construction of the Arts and Humanities Instructional Building. This schedule has more detailed activities and a few important milestones. An analysis of the site is also included in the following document. A closer look is taken at the site plan with emphasis on the sequence of work.

Investigation of the costs associated with the AHIB is a large portion of this report. An assemblies estimate is performed on the building envelope. RS Means 2005 is the resource used to perform the estimate. The estimated value of the exterior wall systems and roof assembly is \$ 862,664. A detailed estimate is also calculated and included. The detailed estimate is performed on the structural system of the building. The cast in place strip footings, structural steel columns, beams, girders and floor construction cost approximately \$ 1,908,980.

Finally, a general conditions estimate is calculated for the AHIB. The estimate is a valuable part to understanding the construction of the project. The general conditions estimate summary and full items list is included. For the entire 22 month schedule the general conditions is estimated to be \$ 1,056,493.