

Draft Presentation Outline – Final Presentation

- A. Residence Hall 2 Introduction – 5-7 Slides
 - a. Project Information
 - b. Site Layout/Logistics
 - c. Thesis topic Agenda Outline
 - i. Thesis topics presented
 - 1. Reduce cost, accelerate schedule
- B. Soil Bearing - 5-7 Slides
 - a. Deep Dynamic Compaction (DDC)
 - i. Review of DDC
 - ii. Site Specific DDC plan
 - iii. Cost/Schedule Review
 - b. Complete Soil Exchange
 - i. Review of site
 - ii. Requirements of Exchange
 - iii. Cost/Schedule Review
 - c. Comparison of DDC and Soil Exchange
- C. Temporary Heat Analysis – Mech. Breadth – 5-7 slides
 - a. Temp Heating system chosen
 - b. Design of Temp Heat system
 - c. Cost Analysis over winter months
 - d. The need for Temp Heat
- D. Precast Concrete Structural/Architectural System – Struct. Breadth – 10 Slides
 - a. Precast Wall design
 - b. Structural system connections
 - c. Architectural Precast Panel description
 - d. Sequence of Erection
 - i. Possible 4D model of erection of a typical floor
 - e. Schedule Analysis
 - i. Specifically Schedule Reduction
 - f. Cost of all precast vs. block and plank with masonry building envelope
 - g. Overall Cost and Schedule Review
- E. Precast Concrete Safety – 5-7 Slides
 - a. Research Goals
 - b. Summary of Research
 - i. General Industry reaction to survey
 - ii. Davis Input for safety plan that exceeds OSHA
 - c. Site Specific Safety Plan during precast phase based on Research
 - i. Key components of a site specific plan
 - ii. Residence Hall 2 safety plan

1. Site layout plan during precast erection
 - d. Suggestions for future precast safety
- F. Overall Cost Analysis – 1 Slide
 - a. Total savings/spending for changes to project
 - b. Comparison to original project
- G. Overall Schedule Analysis – 2 Slides
 - a. Total time saved from changes
 - b. New Schedule based on changes implemented
- H. Acknowledgements/Questions – 1 Slide

**This is a draft presentation outline of topics that I will tentatively present on April 16, 2007 at 11 AM. Please note that this is subject to change as my thesis course work is completed over the remainder of the semester. At this point I am at a maximum of 42 slides and a minimum of 24. As noted above this outline is subject to change.