

AE 482: Senior Project – Presentation Outline

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Project Title: PSU IM Building Phase 3

Date: March 29, 2017

- I. **Title Slide (1 Slide)**
- II. **Project Overview (2-3 Slides)**
 - a. General Information (1)
 - b. Notable Features and Systems (1)
 - c. Project Team
 - d. Site Analysis
 - e. Other relevant Information
- III. **Analysis 1: Alternate Roofing System Analysis (6-7 pages)**
 - a. Current System Identification (1)
 - b. Depth Background information (1)
 - c. Possible Options (2)
 - d. Pros and Cons of each option (3)
 - e. Cost Analysis (4)
 - f. Schedule Analysis (5)
 - g. Final Conclusion (6)
 - h. Recommendation (6)
- IV. **Structural Breadth (2-3 Slides)**
 - a. Breadth Introduction (1)
 - b. Reasoning and Background (1)
 - c. Analysis (2)
 - d. Final Recommendation (3)
- V. **Analysis 2: Modularized Exterior Wall Analysis (4-5 Slides Total)**
 - a. Current System Identification (1)
 - b. Depth Background information (1)
 - c. New option and benefits (2)
 - d. Cost Analysis (3)
 - e. Schedule analysis (3)
 - f. Final Conclusions (4)
 - g. Recommendation (4)
- VI. **Analysis 3: Alternate Mechanical System Analysis (7 Slides total)**
 - a. Current System Identification (1)
 - b. Depth Background Information (1)
 - c. New Option and Benefits (2)
 - d. Mechanical Breadth details and Graphs (3,4)
 - e. Cost Analysis (5)
 - f. Schedule Analysis (6)
 - g. Final Conclusions (7)
 - h. Recommendation (7)
- VII. **Analysis 4: Sub contractors and IPD project (3 slides total)**
 - a. Problem Identification (1)
 - b. Analysis Background (1)
 - c. Survey Results (2)
 - d. Final Conclusions (3)

- VIII. **Final Conclusions and Recommendations (1 Slide Total)**
- IX. **Acknowledgements and Questions (1 Slide Total)**

Note: Some of my mechanical breadth will be discussed during analysis 3, but will not cover it all, therefore no separate introduction to the breadth will be included in the presentation.