



Thesis Presentation Outline

- I. **Introduction** *(3 Screens)*
 - a. Project
 - b. Outline of Presentation/Topics

- II. **Project Background** *(2 Screens)*
 - a. Location
 - b. Building Type / Function
 - c. General Statistics
 - i. Cost
 - ii. Schedule Duration
 - iii. System Specifications

- III. **Analysis 1: Redesign of Cellular Beam System in CUP** *(5-6 Screens)*
 - a. Problem Identification / Research Goals
 - b. Original Design
 - c. Structural Truss Design
 - d. Structural Impacts (Breadth 1)
 - i. Introduction
 - ii. Load Calculations
 - iii. Models
 - iv. Results
 - e. Schedule Impact
 - f. Cost Impact
 - g. Additional Details
 - h. Recommendation and Conclusion

- IV. **Analysis 2: Fuel Room Sequencing** *(4 Screens)*
 - a. Problem Identification / Research Goals
 - b. Original Sequencing
 - c. Proposed Sequencing
 - d. OSHA Safety Differences
 - e. Schedule Impact
 - f. Cost Impact
 - g. Recommendation and Conclusion



- V. **Analysis 3: Sustainable Design for a Photovoltaic Energy System** *(5-7 Screens)*
- a. Problem Identification / Research Goals
 - b. System Design
 - c. Electrical Impact (Breadth 2)
 - i. Introduction
 - ii. Energy Production
 - iii. Electrical Components and System Configurations
 - d. Cost Impact
 - i. Pay-Back Period
 - e. Schedule Impact
 - f. Recommendation and Conclusion
- VI. **Analysis 4: Façade Redesign** *(5-6 Screens)*
- a. Problem Identification / Research Goals
 - b. Original Design
 - c. Alternative Design
 - d. Structural Impacts
 - e. Schedule Impacts
 - f. Cost Impacts
 - g. Recommendation and Conclusion
- VII. **Summary of Conclusions** *(1 Screen)*
- VIII. **Acknowledgements** *(1 Screen)*

Presentation Summary

- Between 26 – 30 Slides
- Both Structural and Electrical Breadths Will Be Presented
- Presentation will Consist of a 3-Screen Format