

Ramy Labna
Construction Option
Prof. Ray Sowers
2B + G + M + 7 Mansoura Development
Thesis Presentation Outline

- ❖ **Introduction (1 screen)**
 - Project Overview
 - Analysis Overview
- ❖ **Project Background (3 screens)**
 - Client information & Existing Conditions
 - Building Information
 - Building Systems
- ❖ **Analysis 1: Construction of Precast Vs. Cast in Place Concrete (10 screens)**
 - Existing System & Opportunity Identification
 - Proposal/Goal
 - Design of Panels and take-offs
 - Cost Impact
 - Manufacturing, Quality, Delivery and Erection information
 - Schedule Impact
 - Mechanical Analysis
 - Structural Analysis
 - Results & Recommendation
- ❖ **Analysis 2: Comparison of Construction Practices between US & Qatar (10 screens)**
 - Opportunity Identification
 - Proposal/Goal
 - Case Study: HHD project in Penn State
 - Common Construction Practices in Qatar
 - Comparison of Labor Wages
 - Comparison of Safety Programs
 - Comparison of Quality Control Programs
 - Recommendation & Conclusion
- ❖ **Analysis 3: Field Labor Management & Alteration (9 screens)**
 - Problem Identification
 - Evaluate Current Schedule
 - Possible Solutions to Current Schedule
 - SIPS Analysis & schedule impact
 - Man Power Loaded Schedule & schedule impact
 - Recommendation & Conclusions
- ❖ **Conclusion (1 screen)**
- ❖ **Acknowledgements (1 screen)**
- ❖ **Questions (1 screen)**
- ❖ **References (1 screen)**
- ❖ **Appendices (5 screens)**