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Construction Management  
Technical Assignment 3  
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## **Executive Summary**

Technical Assignment 3 delves into possible topics for the Thesis Proposal. Several project related issues and company issues were evaluated as possible candidates for the Thesis topics. These topics were evaluated on size and complexity of the topic, its potential for alternative methods, value engineering, schedule reduction and constructability review. The ability to research each topic was also considered.

The PACE Roundtable held on October 13, 2005 was a very good place to hear about the issues that are affecting construction. It allowed an open forum for students and industry people to get together and discuss problems, expectations and the future of the construction industry. There was a chance to go to two breakout sessions and group discussion on team building and the Katrina resultants.

From the issues that were identified as a result of the PACE Roundtable, I chose to look into an issue that affected my project; WBE/MBE solicitation. This is the process whereby all contractors who wish to bid on any DGS project need to solicit bids for subcontracted work from minority and women owned businesses. I intend to find out whether requiring this is deemed fair by prime contractors, if they increase their bids due to being forced to provide this extra work, and if there are any other issues with respect to the solicitation process.

After a visit to my building and talking to the workers and key player for the project, several issues were brought up. These issues, listed in the Problem Identification section, were used to pick out a few to use for the technical analyses.

Those issues chosen to be used in my three technical assignments are adding a windmill to the roof of my building to generate electricity, adjusting the cladding system for the building from a metal panel siding to either the brick or glass panels which clad the remainder of the building, and structurally redesign of the skylights to remove the steel joist that runs through the center of it.