

Preview Problem Statement

"Design/Build"

Sponsored by Swinerton Incorporated

INTRODUCTION

Swinerton Incorporated welcomes each of you to the 2012 ASC Region VII competition. Since 1888, Swinerton has evolved as one of the largest general contractors in the Western United States. Our mission is "to be and to be recognized as the premier builder in the West and a national leader in the construction services industry." We are committed to the highest integrity, customer satisfaction, excellence in our people, the quality of our product, a safe work environment, the financial strength of our company and technical and organizational innovation. To achieve this mission, we strongly promote ethics, teamwork and technical/organizational innovation in our company. Design/build is a delivery method that also emphasizes the importance of ethics, teamwork and technical/organizational innovation in the building process.

Each of you will be coming to the competition with a specific skill that may be stronger than another. This will allow everyone an opportunity to incorporate their skills and ideas as problem solvers in this year's competition. All design/build projects require teamwork and organizational skill sets to deliver a successful project. Learn from each other while you assemble a proposal to illustrate your team's understanding of the design/build process. Most of all have fun during this learning process.

PROBLEM DESCRIPTION:

A public university located in the Western US has requested a design/build proposal for the construction of a science building ranging in size from 50,000 sf. to 75,000 sf. The challenge will be to develop a design of a science building to house all the functions required for laboratories and classrooms in one facility to support biology, chemistry, physics, earth sciences and astronomy curriculums. The building must achieve LEED Silver or better certification and requires a significant amount of design innovation to meet the campus design standards currently under revision and become a state of the art education facility.

The proposal must be submitted utilizing paperless techniques and common platform for reading and understanding the proposal by the judging panel. It is a requirement that all submitted proposal content be capable of being converted to Adobe 8.0 (or earlier version) PDF format for consistency. **Only one (1) electronic PDF formatted copy will be required to submit this year.**

The problem selected this year will not focus on difficulty and complexity but allow each team to successfully demonstrate their knowledge of the design/build process as a whole. The design/build process is not a linear process and you will be asked to demonstrate your understanding of the entire process including but not limited to design management, construction documents, procurement, estimating, scheduling, permitting, risk-management, construction and overall presentation skills. The winning solution must be able to successfully incorporate good design with constructibility that best meets the intent of the project criteria.

SCORING SYSTEM:

Prequalification (due at pre-proposal conf mtg) 5%

Written Proposal

Design/Construction Mgmt Plan 15%

Design/Approach	15%
Schedule	15%
Estimating/Pricing	20%
Proposal Formatting/Presentation	5%
<u>Presentation</u>	
Presentation Materials	5%
Oral Presentation	20%
TOTAL	100%

PRE-COMPETITION ACTIVITIES

Each team must prepare a prequalification package and submit **one PDF electronic color copy on a CD** each of your statement of qualifications. All copies of the qualification package must be submitted at the Pre-proposal Conference currently scheduled for **7:00 am on Thursday, February 9, 2012**. Each qualification package must include at a minimum the following information:

- General description of your company’s qualifications such as previous project experience related to design/build projects.
- Organization chart of your company.
- Project organization chart with each team member participating in one or more positions.
- Resumes of each team participant (preferably with photos).

The prequalification packages must be submitted as **one (1) PDF electronic color copy on a CD (not DVD)** to allow judges the opportunity to include your prequalification information with the final proposal submitted. Please identify the name of your school on the cover of the prequalification packages along with the date of the competition. Please note that 5% of your total score for the competition depends on the prequalification package contents. ***Once again, your prequalification information is due at 7:00am on Thursday, February 9, 2012. You do NOT have to wait until you get to Sparks, NV to complete this work.***

COMPETITION ACTIVITIES

A Request for Proposal (RFP) document will be distributed to each team outlining the details of the project scope of work and the time schedule for proposing a design/build solution. Each team will be distributed one complete set of RFP documents on a USB flash drive in Adobe 8.0 PDF format at the pre-proposal conference. One LCD projector and one laptop computer with Microsoft Powerpoint 2007 will be supplied by Swinerton for each team to use during their presentation. Any additional equipment required for a presentation is the responsibility of the team. If your presentation requires specific software other than Powerpoint, you must provide your own computer. Time to interface with the LCD projector will NOT be allowed that time typically allowed for a team to set up. Overhead transparency projectors will not be provided.