

**ASC Region VII – 2012 Student Competition  
Commercial Building Division  
Sponsored by**



**Hensel Phelps  
Construction Co.**

**Pre-Problem Information (Rev. 0) 8/19/2011**

**I. Introduction**

WELCOME to the 2012 ASC Student Competition. All participants are to be commended for the personal time and financial commitment made in preparing for and attending this competition. The construction industry has noted these sacrifices and the premier student population that is competing here. This is evident in the quantity and quality of companies attending the Career Fair.

The student competition is designed to challenge each team to different facets of the construction industry. Each team's estimating, scheduling, organization, leadership, productivity, and communication skills will be tested and enhanced while participating in this competition.

The competition will present each participant with construction industry exposure that may not otherwise be experienced until after working in the industry. It is Hensel Phelps Construction Co.'s desire to present each team member with real life situations through this competition. Some of these "experiences" may seem uncomfortable and / or appear to contain no logic. Be aware the real world is very often not kind, fair and logical! The construction industry will present situations where people are less than pleasant and pressure is applied to the extreme, but it will also provide great feelings of accomplishment and team camaraderie. Some questions, both in real life and in this competition, may have multiple answers and some questions may have no correct answer. The superior level of the student competitors attending the competition should embrace these challenges and recognize the value of these lessons. The judges in the interview portion of this competition may seem to "put you through the wringer" with tough questions and references to deficiencies in your written proposal. Although it is human nature to "take it personal", please understand that these lessons are for the good of your development and excellence. It is not the intent of the judges to frustrate and alienate you, yet the spirit of competition places a duty on the judges to ask the hard questions that will allow team rankings to occur. At the end of the competition each team member should reflect on the knowledge and experience gained, and hopefully the judges can become mentors and friends to you.

As a driven team member, realize that all teams have come to the competition with the main goal of WINNING! However, with so many competitors, also realize that there can only be one winner announced. As an intelligent, driven and

committed individual recognize the vast knowledge, industry exposure, and experience gained in competing and finishing this problem. This is the real reason all teams and individuals are competing. Yes, it is true: every person competing is a winner regardless of the final overall placement. Make sure you, and your team, understand this; it does make a difference!

Determination of the Winner is based on a uniform grading scale for the written portion of the competition. The oral presentation is judged via a multi-member judge panel. The combination of these two components, in the scoring ratios listed, determines the overall team placement. Overall team placements will not be posted, but feedback will be provided after the competition.

Congratulations for participating and Good Luck!

## **II. Supplemental Rules**

The rules for the competition are designed to provide each team with an equal opportunity to apply their knowledge in developing their respective solutions and an equal opportunity to present their solutions to the panel of judges. The following rules apply to the Commercial Division and serve to supplement the ASC Competition Rules.

- Rule No. 1 While the competition is in progress, only the six students identified as being team members shall be present in the teams' room(s). As per ASC rules, no "runners" are allowed for food delivery, copying, etc. beyond the six team members. **Faculty advisor(s) may not interface with their team once the competition has begun.**
- Rule No. 2 Six (6) Copies of the proposal must be turned into the judges. **No proposals will be formally returned.** If you desire a copy for yourself or need one for your oral presentation preparation, please make copies prior to the submission of the proposal. Some proposals may be available for students to re-claim at the conclusion of the competition, but may have marks from the grading effort in certain sections.
- Rule No. 3 The number of computers and printers per team is to be as outlined in the Competition Rules as published by the ASC. Use of the Internet is allowable and may be necessary for certain components of the problem; Hensel Phelps Construction Co. will pay for each team to have one (1) internet connection through the hotel for the Thursday written component preparation duration – details as to how this will be provided will be announced at the opening conference. An LCD projector and a computer will be supplied by Hensel Phelps Construction Co. for the teams to use during the oral presentations. Any additional equipment required for a presentation is the responsibility of the team. If your presentation requires specific software you must provide your own computer or

inquire as to its availability on the provided computer. Overhead transparency projectors are not provided unless requested in advance.

- Rule No. 4 Attendance at other team's oral presentations is subject to the rules of the ASC, but in no case shall members of a school that has yet to present be allowed to attend another school's presentation. This rule extends to all students, faculty members and relatives / friends from the participating school, whether team members / coaches or not.
- Rule No. 5 The problems that are used for the competition are drawn from actual construction projects. In the past there have been situations where student team members have worked on, or have specific knowledge of, the project that is the subject of the problem. This can be perceived as giving the team an unfair advantage in developing a solution. If, upon receiving the problem, any student recognizes the project that is the subject of the problem statement, the student shall notify the problem sponsor to discuss the extent of the student's project or problem knowledge. Alternates may be considered should there be an identified conflict. The judges will have the final decision. Failure to notify the problem sponsor makes the team subject to disqualification.
- Rule No. 6 While the judges will endeavor to administer the problem with all fairness and appreciation for the team's perspectives, the decisions of the judges shall be final when deciding conflicts and scoring.
- Rule No. 7 A one-half ( $\frac{1}{2}$ ) point deduction will be taken for each minute the proposal is turned in past the time it is due. Written proposals are due Friday at 12:00AM (Midnight Thursday night). Location of proposal delivery will be announced at opening conference. Other deliverable items, if applicable, will be due as specified elsewhere herein.
- Rule No. 8 Any team with graduate students can participate in the regional competition. However, the national level prohibits graduate students to participate on the team. The invitation from Region VII for the national competition will be from the highest placed team NOT containing any graduate students. If it is your team or school goal to go to the National competition please do not include graduate students on the team.
- Rule No. 9 Oral interviews will begin at 8:45 AM on Friday, February 18th. Presentation materials for all teams are to be turned in to the judges by 8:30 AM. No other presentation material will be allowed into the presentation that is not turned into the judges by this time - NO EXCEPTIONS WILL BE ALLOWED. Teams are encouraged to bring electronic presentation materials on a CD or thumb drive for use on the HPCC provided presentation computer; this will save on

set-up time. HPCC's computer will utilize Microsoft Office 2007 software; if specialized software is necessary then the team must provide a computer to run their presentation and this computer must be delivered prior to the 8:30 AM deadline.

- Rule No. 10 No phone calls or emails may be made to the Owner, Construction Manager, Architect, Civil, or Structural Engineer, or any other design consultants listed on the Drawings. Similarly, no components of the problem may be sent to others outside the team for assistance in completing the problem. Any violations of the above are subject to point penalties or team disqualification, at the Judge's discretion.
- Rule No. 11 Due to the sensitive nature of disclosing project information that the Owner and / or design professionals may not wish to be publicly distributed, Hensel Phelps Construction Co. reserves the right to require Confidentially Agreements be signed by each team member prior to distribution of the Problem Statement. This may further require that all or some Contract Documents or other material provided to the team, both electronically and hard copy, be returned to Hensel Phelps at the conclusion of the competition.
- Rule No. 12 The premise of the proposal and oral interview is that you are presenting to the upper management of your own company. It is preferred that your team take the identity of Hensel Phelps Construction Co., but other team / company names are acceptable. You are therefore asked to not include extra peripheral information about your company such as safety plans, company profiles or other marketing materials. Our intent is to test you on your knowledge of construction concepts, means and methods, not your ability to make up or compile marketing materials and canned programs. Please limit your responses generally to the information requested, although innovation and enhancement is encouraged.

**Any team observed violating these rules may be asked to withdraw from the competition or be assessed point penalties. These Rules are subject to change and the final version will be included in the Problem Statement distributed at the opening conference.**

### **III. Skills Required**

Each team may be expected to demonstrate proficiency and skills required in the construction industry including the following:

- Proposal Format and Organization
- Scheduling
- Site Utilization
- Cost Estimating / Quantity Survey
- Subcontractor Interface / Proposal Tabulation
- Technical Writing

- Oral Presentation
- Construction Document (Plans and Specifications) Proficiency
- Quality Control
- Design Review / Management
- Cost Control and Labor Management
- Project Management and Supervision Skills
- Risk Management
- Coordination of Work
- Personnel Management and Recruiting
- Originality / Innovation
- Entrepreneurial Spirit
- Sustainable Building Practices
- Reaction to Stressful Situations
- Legal / Contractual Issues
- Accessible Design

**IV. Timetable**

**MONDAY, JANUARY 16<sup>TH</sup>, 2012**

Biography Deliverable Due (see item VI in this document)

**THURSDAY, FEBRUARY 9<sup>TH</sup>, 2012**

Opening Conference / Distribute Problem /

Establish Presentation Order .....6:00 AM  
 First Progress Meeting / RFI's Due ..... 10:00 AM  
 Lunch Delivered to Rooms.....+/-12:00 PM  
 Second Progress Meeting / Question Session .....2:00 PM  
 Subcontractor Interviews (10 min. / team) .....5:00 – 7:00 PM  
 Dinner Delivered to Rooms .....+/-7:00 PM

**FRIDAY, FEBRUARY 10<sup>TH</sup>, 2012**

Proposals Due ..... 12:00 AM (Midnight)  
 Interview Material Due (all teams).....8:30 AM  
 Interviews Start .....8:45 AM  
 Project Debriefing .....6:00 PM

**SATURDAY, FEBRUARY 11<sup>TH</sup>, 2012**

Career Fair.....8:00 AM -12:00 PM  
 Awards Ceremony ..... 11:00 AM

**V. Scoring**

Written Portion	120 Points
Oral Presentation	<u>80 Points</u>
Total	200 Points
Addendum questions	+/- 6 Points (if issued, at sponsor's discretion).

## **VI. Early Deliverable:**

In order to get acquainted with the team members and coaches prior to arriving in Reno, and to recognize them when there, it is requested that a simple biography of each team member, alternate and coach be provided by January 16, 2012. Biographies shall contain a close-up photo of the member's face (glamour shots not required!), and the photo shall be of sufficient size and quality that it can be "electronically detached" and used for an overall roster of participants that will be prepared for the judging staff. Include information on class standing, work background and email contact information. Other fun and interesting items can be included, but total life histories are not desired!

Please use the example provided to model your team's submission on. Once completed, please email to [rhammett@henselphelps.com](mailto:rhammett@henselphelps.com). Team member changes after submission are acceptable so long as they comply with the rules of the ASC; revised biographies reflecting these changes would be appreciated.

As the intent of this deliverable is to simply get acquainted with the team members, no points shall be issued in the competition for content of this item; however the judges reserve the right to deduct points from the team's score for failure to comply with this request in a timely and professional manner.

Hensel Phelps Construction Co. will similarly prepare a biography package of problem authors, judges and administrators such that team members can get acquainted with us. This biography package will be emailed to each team member prior to the competition at the email addresses they provide.