

Introduction

Shawmut Design and Construction is a proud sponsor of the 2018 ASC National Preconstruction Services Competition. The objective of this competition is to allow students to gain practical experience by simulating actual industry problems. The problem will include typical services required by Clients in our industry.

Problem Premise

Student teams will pose as Construction Managers that have been solicited to submit a proposal for preconstruction services for a project located in Region 1 of the United States. The judges will act as the Owner and Owner's Representatives for the project. They will present the Request for Proposal (RFP), review the project scope, review team proposals and interview each proposing company (team.)

Competition Rules

The rules for the competition will be governed by the following:

- All ASC rules governing the competition
- Other rules and clarifications provided by the judges during the competition.

Scoring

The selection process consists of two components; a written proposal and an oral presentation. Scoring will be further broken down as follows:

Written Proposal (70 pts)

- Schedule
- Budget
- Logistics
- Constructability
- Approach to Construction

Oral Presentation (30 pts)

- Content
- Public Speaking Skills/Clarity
- Presentation Materials
- Q&A Responses



Written Proposal Requirements

Schedule

Develop, monitor and update a Preliminary Master Schedule for the entire project including design and construction and identify tasks required to be performed by the Owner, Architect and Contractor. The schedule will include the following:

- Critical path items identified.
- Proposed activity sequences and durations.
- Milestone dates for receipt and approval of pertinent information.
- Preparation and processing of shop drawing and submittals.
- Mockups.
- Delivery of materials and equipment requiring long lead time procurement.



Budget

Provide a detailed cost estimate with supporting data for review by the owner.

- Costs estimates should identify areas with potentially high cost impacts for special focus during the preconstruction process.
- Cost estimates should be supported by graphic takeoffs.
- Cost estimates should consider all required phasing.

Logistics

Develop a Site Utilization Plan and Project Phasing Plan. The plan should include at a minimum: site limit fencing, gates, delivery routing, site offices, lay down or storage, dumpsters, and pedestrian impacts.

Constructability

Review the documents for constructability and provide written comments of conflicts, interference and other potential problems. Review details for clarity and intent.

Approach to Construction

Explain your firm's approach and/or methods of operation related to the following items:

- Tracking and Reporting Job Progress
- Method of determining a change
- Process to address directive by the Owner/Architect
- Use of contingency
- Method of verifying change order pricing

- Your firm's subcontractor bidding process
- Your firm's use of technology in the management of the preconstruction and construction process

Additionally, describe any special skills or experience that sets your firm apart from the competition.

Oral Presentation Requirements

Students will be expected to present their proposal at a level that demonstrates their understanding of the project and the construction process. Presentations will be 30 minutes with a brief question and answer period to follow.

