

ASC 2024 Region 1 Competition Concrete Solutions - Problem Statement

Introduction

This problem statement is designed to give ASC participants hands-on experience in key areas of our business. It's an opportunity to showcase your critical thinking, technical expertise, presentation skills, and teamwork.

Judges will evaluate your solutions based on ethics, creativity, and innovation. They'll look for your understanding of contract documents, problem-solving abilities, coordination, quality control, safety adherence, budgeting, scheduling methods, and communication skills. Innovation is key; relying solely on boilerplate language or materials could lead to point deductions.

Problem Statement

Baker Construction has recently been awarded a project, and there is an opportunity to self-perform the structural concrete scope of work. The Baker Construction project management team needs to determine if we have the resources available to take on this risk successfully.

The project is located within the Northeast Region of the contiguous United States. It has a substantial cast-in-place scope of work with some renovation aspects. A comprehensive renovation and expansion of the existing and new structures are needed to respond to changes in building codes and regulatory requirements and to meet requirements for information technology, building security, environmental sustainability, and energy efficiency.

The new construction is adjacent to another project that will be built within the same timeframe and surrounded by existing infrastructure with heavy pedestrian and vehicle traffic. The complete project scope is under development. The project details and contract documents will be presented on the day of the competition.

Scoring Criteria and Selection

Participating firms will be evaluated on the following scoring criteria:

- Written Competition Deliverables (including but not limited to staffing plan, safety plan, site logistics plan, quality control, innovation, quantity takeoffs, CPM schedule, constructability, and pour breaks): 60%
- Team Presentation: 40%

The selection process will proceed as follows:

- A detailed scope of work and competition deliverables will be issued at the Project Kickoff Meeting on the day of the competition. Deliverables are due Friday, November 15, 2024 (timeframe TBD).
- Presentations will be held on Saturday, November 16, 2024, between 8:00 a.m. and 4:00 p.m. The schedule will be posted in the lobby by 6:30 a.m.
- Final awards will be made at the Awards Banquet on November 16, 2024.