

ASC Region 1 2026 Annual Competition

Open Problem - Concrete Solutions Problem Statement

INTRODUCTION

The Open Problem Concrete Solutions category gives ASC participants hands-on experience with the type of complex planning, coordination, and decision-making required in self-performed concrete work. The competition is designed to test how teams analyze incomplete information, evaluate risk, develop a practical execution plan, and communicate recommendations clearly.

Judges will evaluate each team's solution based on ethics, creativity, innovation, technical understanding, and the ability to develop a realistic plan. Teams should be prepared to demonstrate their understanding of contract documents, site logistics, safety, quality control, budgeting, scheduling, staffing, constructability, and communication. Innovation is encouraged, but solutions must be practical, supported by the information provided, and appropriate for the project conditions.

PROBLEM STATEMENT

Baker Construction will present teams with a project that includes a meaningful structural concrete scope of work. The project will require teams to evaluate how Baker should plan, staff, coordinate, and execute the concrete work while managing schedule, cost, quality, safety, and site constraints.

The specific project has not been released in advance. Full project details, contract documents, scope information, and deliverable requirements will be provided at the Project Kickoff Meeting on the day of the competition. Teams should expect a real-world construction scenario that may include coordination with other contractors, constrained site logistics, active adjacent conditions, schedule pressure, labor and equipment planning, pour sequencing, quality expectations, and risk evaluation.

The primary challenge will be to develop a complete, thoughtful, and buildable concrete execution strategy. Teams will need to review the information provided, identify key risks and opportunities, make sound assumptions where appropriate, and explain how their approach supports successful project delivery. Successful teams will balance technical accuracy with practical field execution and clear communication.

SCORING CRITERIA AND SELECTION

Participating firms will be evaluated on the following scoring criteria:

- Written Competition Deliverables (including but not limited to a 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 13, 2026, at a time to be announced.
- Presentations will be held on Saturday, November 14, 2026, between 8:00am and 4:00pm. The schedule will be posted in the lobby by 6:30am.
- Final awards will be made at the Awards Banquet on November 14, 2026.