

2024 Associated Schools of Construction – Northeast Region I Heavy Civil Estimating Competition

Problem Statement

Introduction

Welcome, and thank you for your interest in the ASC Region I Heavy Civil Estimating Competition. Flatiron Constructors, Inc (Flatiron) is excited to sponsor this event.

Problem Description

This year's problem is a heavy civil project entailing the construction of a new approach roadway, retaining wall and structure adjacent to an existing highway. To prepare for the competition, teams should be familiar with the following elements of work:

Structures:

- Sheet Pile Retaining Walls
- Structural Concrete and Reinforcing
- Temporary False Work
- Misc. bridge finishes

Roadway:

- Roadway Embankments
- Asphalt Paving
- Misc. Roadway Finishes

Major concerns of the owner are:

- Schedule
- Means and Methods
- Environmental Impacts
- Quality
- Cost

Team's are encouraged to prepare a maximum 2 page company profile and 1 page summary of their company's safety plan prior to the competition in order to allow for more time on other efforts during the competition. Each team will be provided with electronic copies of the project specifications and plan sheets at the beginning of the competition.

Evaluation

Flatiron, as the General Contractor will form an evaluation team consisting of a panel of judges. Judges will utilize a detailed scoring sheet to make grading as objective as possible. The scoring criteria will be provided to teams 2 weeks prior to the competition. It is highly recommended that teams exercise effective time management and prioritize their efforts on the items of greater point value.

Successful teams will demonstrate full knowledge of the plans, specifications, and construction methods. They will also exhibit professionalism and strong communication skills in all aspects of the competition.

Team Dynamics

Judges will evaluate team dynamics throughout the competition beginning on the morning of November 15th, 2024 and continuing through the Owner's meeting. Judges will visit team rooms to observe teamwork, professionalism, and ingenuity.

Written Proposal

One (1) electronic copy shall be turned in. Teams will receive project documents on a flash drive (aka memory stick, thumb drive, etc.) provided by Flatiron and this flash drive will be used to submit final proposals. No hardcopies or handwritten information will be permitted. Should any proposal documents be handwritten (i.e., takeoffs, highlighted drawings, etc.), teams must scan and include these documents electronically (pictures converted to PDF's will be acceptable).

When grading the proposals, judges will review the following:

- Organization and appearance
- Completeness
- Consideration of Owner concerns
- Special Provisions compliance
- Professionalism
- Overall project understanding

Boilerplate material is discouraged. Judges will be looking for generic "one size fits all" material and will deduct points as they see necessary. Judges are looking for how your team is best suited to partner with Flatiron in completing this specific project and serving our client's needs.

Requirements of the written proposal includes but is not limited to the following:

- *Proposal Cover Letter*
- *Organization Chart*
- *Approach to Construction Management*
- *Approach to Quality Assurance*
- *Safety Plan*
- *Project Schedule (CPM Schedule and Narrative)*
- *Site Logistics*
- *Estimate of Work*
 - Quantity Takeoffs
 - Detailed Cost Estimate
 - Means and Methods
 - Equipment Schedule
 - Subcontractor Comparison
 - Estimate of General Conditions

Owner's Meeting

Following the submittal of written proposals, teams will be given the opportunity to present their proposal to judges and answer any questions from judges. Presentations and interviews with an owner are a critical part of getting new work in the construction industry. The owner's meeting is an opportunity for the teams to present their proposals to the judges and explain why they are the best-suited contractor for the job. Judges will score the teams on the following criteria: