

2024 ASC Pre-Problem Statement



GRANITE®



2024 ASC – REGION 7 PRE-PROBLEM STATEMENT HEAVY CIVIL COMPETITION PLAN

INTRODUCTION

The project chosen for the 2024 Region 7 Competition will require each team member to demonstrate various skills to prepare a bid proposal and present their findings. The presentation will simulate a bid review to senior managers focusing on the estimated cost of the project, how to mitigate risk, and demonstrate your understanding of how to build the project. Your presentation will be followed by a question-and-answer period providing another opportunity to demonstrate your team's abilities and understanding of the critical project components.

SCORING

Scoring criteria will be assigned to each main category and subcategory to establish a consistent scoring guide for the panel of judges. All bid proposal packages to be hard copy and turned into the judges as outlined below. Bid proposal packages to include items: I, II, III, IV, V, VI.

The following scoring criteria are for the main categories:

I.	Takeoff / Estimate Items	750 Points
II.	Bid Submittal.....	500 Points
III.	Plan / Specifications Questions.....	200 Points
IV.	Schedule.....	200 Points
V.	Project Analysis	150 Points
VI.	Proposal Worksheet.....	200 Points
VII.	<u>Oral Presentation</u>	<u>1,000 Points</u>
TOTAL		3,000 Points

I. Takeoff and Estimate Items

- A. The Problem Statement distributed will contain a list of bid items. Each bid item will be numbered.
 - a. Prepare a quantity take-off and direct cost estimate for bid items.
 - b. Prepare your bid in accordance with the specifications and bid proposal forms provided.
 - c. Direct cost estimates for each item should include:
 - Methodology, audit trail, and must be legible.

- Production calculations, crew analysis, alternatives
 - All backup associated with bid items must be placed behind the numbered tab that corresponds with the numbered bid item. No points will be given if items are misfiled within a Bid Proposal Binder.
- d. Granite will provide the numbered tabs and **3-ring binder**.
- B. Suppliers/Subcontractors – include analysis and selection of lowest responsible supplier/subcontractor quotes.
- C. Logic, order, clarity, and technical accuracy will be considered when scoring.
- D. Takeoff and estimate to be hard copy, and placed in proposal binder, behind the respective tab.

II. Bid Submittal

- A. Ensure all items on the Bid Submittal Checklist are completed and **only these documents are included in provided bid submittal envelope**.
- B. Bid submittal envelopes that do not include all documents listed on the “Bid Submittal Checklist” or that are received after 09:30:59 PM on Thursday, February 8, 2024, will be deemed non-responsive.
- C. Bid submittal documents are to be included in the provided bid submittal envelope and will accompany Bid Proposal Binder at bid turn in.

III. Project Plan and Specification Questions

- A. All answers can be found in the contract documents provided.
- B. Provide detailed answers including the respective paper trail with document name, section, and/or page number that the answer was located in.
- C. Plan and specification questions to be hard copy, and placed in the Bid Proposal Binder behind its respective tab.

IV. Project Schedule

- A. Prepare a detailed critical path method (CPM) schedule for all items of work. Please make duration assumptions for the items that are already filled out on your Bid Proposal Worksheet.
- B. Include a schedule narrative to help explain potential logic, schemes, or reasoning.
- C. The schedule shall outline in sufficient detail the proposed operations, the interrelations of the various operations, and the order of performance so progress of the work can be evaluated accurately at any time during the performance of the contract and ensure the work will be completed within the specified number of working days.
- D. Schedule and narrative to be hard copy and placed in Bid Proposal Binder behind the respective tab.

V. Project Analysis

- A. Prepare a detailed project analysis as described in the Problem Instructions. Project analysis may include, but is not limited to, laydown areas, equipment/material staging, work zones, phasing delineation, concrete pour plan, or asphalt pave plan. More detail to follow at Problem Handout.
- B. Project analysis to be hard copy and placed in Bid Proposal Binder behind respective tab.

VI. Bid Proposal Worksheet

- A. Complete the Bid Proposal Worksheet utilizing all required data and selection of the lowest responsible supplier / subcontractor quotes.
- B. Prepare bid proposal worksheet: Unit pricing extension, overhead (indirect costs) and profit (margin)
- C. Bid proposal worksheet to be submitted via **hard copy and in excel format**. Hard copy to be placed in proposal binder. Excel format to be placed onto the Granite provided flash drive and inserted into provided envelope. Envelope with flash drive to be placed in bid proposal binder.

VII. Oral Presentation and Q&A

- A. All presentation materials must be turned in by 6:30 AM on Friday, February 9, 2024.
- B. Presentation to be uploaded to provided flash drive and in **.ppt** format.
- C. Each team will have up to 25 minutes for their presentation and Q&A. Presentations must be no longer than 15 minutes to allow for at least 10 minutes of Q&A with the judges. There will be a 200-point deduction for any team that does not allow 10 minutes for Q&A.

Note:

Upon request, Granite will provide limited competition preparation assistance to any team within Region 7. Please contact Pamela Stepien at pamela.stepien@qcinc.com.

SCHEDULE

Thursday, February 8, 2024

- Problem Handout | 5:30 a.m.
 - All team members must attend.
- Mandatory Pre-bid Conference | 09:00 a.m.
 - A minimum of one team member must attend.
- RFI's Due | 12:00 p.m.
- Bid Proposals Due | 09:30 p.m.
 - Each team to turn in hard copy of bid proposal.
 - Bid proposals to include items I, II, III, IV, V, VI listed above.
- Bid Opening | 09:30 p.m.
 - Presentation time to be determined by team with closest estimate value to Granite's estimate value.
 - Non-responsive bids will get last pick of presentation times.

Friday, February 9, 2024

- Presentation materials submitted | 06:30 a.m.
 - Students to turn in Granite-provided flash drive.
- Oral presentations begin | 07:00 a.m.
 - Subject to change depending on number of competing teams.
- Problem Debrief | TBD-Following last presentation.

GENERAL INFORMATION

1. Presentations should not focus on selling Granite, Safety, or the Code of Conduct, rather the presentation should focus on your understanding of the project components and how to logically build the work.
2. Granite attempts to make the competition as realistic as possible. In some cases, the plans and specifications teams receive contain typos and conflicting information. Teams

must sort through these challenges, make assumptions, and proceed with their bid as best as possible.

3. We encourage teams to ask questions but unfortunately, we can only answer questions where answers are not contained in the plans and specifications. This keeps the playing field equal amongst all teams. All questions should be submitted in RFI form and will be addressed on Thursday, February 8, 2024.
4. During this competition we will challenge you to improve your skills, but please remember to have fun and learn.

RULES

The following rules will pertain to all teams competing in the Region 7 Heavy Civil Problem:

1. All teams must adhere to all Competition Rules as specified by the ASC.
2. By **Friday, December 15, 2023**, teams to complete and send team roster including résumés containing headshots for each team member and alternate via email to pamela.stepien@gcinc.com. **If not received by 05:00 pm on deadline date, a 25-point deduction will be imposed.**
3. Each team will be allowed to use equipment per the ASC Competition Region rules.
4. Teams may choose to use HCSS or other specialized programs as they desire; it is not required. However, the “Bid Proposal Worksheet” must be completed and turned in per the requirements of VI.
5. Bid Opening: Each team’s entire bid packet of requested information must be submitted by 09:30 p.m. on Thursday, February 8, 2024. If a bid packet is late, a 500-point deduction will be imposed; however, the team will still be allowed to participate in the team presentations.
6. To ensure teams are allowed equal time to prepare oral presentations, **ALL** oral presentation materials that will be used must be turned in by 06:30 a.m. on Friday, February 9, 2024. This time is subject to change based on the number of schools participating in the Region 7 Heavy Civil Problem.
7. Oral presentations will be a maximum of 15 minutes followed by 10 minutes of Q & A with the judges for a maximum total of 25 minutes. There will a 200-point deduction for any team that exceeds the 15-minute presentation time.

2024 Student Estimating Competition

School Name

Captain

Name:

Name:

Email:

Email:

Phone:

Phone:

Name:

Name:

Email:

Email:

Phone:

Phone:

Name:

Name:

Email:

Email:

Phone:

Phone:

Alt Name:

Alt Name:

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