



Building and Strengthening America's Infrastructure

2023 Electrical Problem Statement

We have selected a project that encompasses multiple aspects of electrical construction for the 2023 ASC Region 3 Student Competition. We hope that this year's problem will help to prepare you for your future. As leaders of your student groups today, you have set your paths to become the Construction Industry's leaders of tomorrow.

This competition is a chance to introduce you to a day in the life of a Project Manager. We hope to challenge your team's ability to leverage academic knowledge, intuition, problem solving skills, and the ability to have fun in a pressured environment. We appreciate that each of you are dedicating a great deal of time and effort by participating in the electrical competition.

We look forward to your response, and the competition in October 2023.

Good Luck!

MISSION

Building America's infrastructure to improve quality of life. Aldridge Electric Building & Strengthening America's Infrastructure

VISION

Be the first choice for energy and transportation infrastructure.

STRATEGY

Recruit and develop the industry's most passionate and creative people to take on the industry's most challenging work.



At Home or at Work, Day or Night

Nobody Gets Hurt

11F Incident & Injury Free

Problem Description:

With aging infrastructure now 40+ years old, the suburban wastewater plant is in need of electrical infrastructure improvements before reaching the point of critical failure. This fully functioning wastewater treatment plant will remain fully operational throughout construction making scheduling and phasing essential to ensure operations are not affected.

The suburban wastewater plant will include underground infrastructure, gear/equipment, wire pull and termination, and demolition, as reflected in the Contract Documents. Electrical commissioning and owner witness testing is a critical part of the successful delivery of the project. As the Prime Contractor, the successful bidder will not only be responsible for the implementation of the electrical scope of work, but will also be responsible for hiring and managing any additional subcontractors required to provide a turnkey project.

Teamwork and coordination between the project team, internal support departments, the customer, and other contractors on the project is the only way this can be completed within the allowed schedule. Creative solutions to complex constructability challenges are a must on this project.

Student Roles:

Students will be assuming the roles of a project team. We understand that a project team generally would not consist of 6 members, but in spirit of the problem, teams may feel free to delegate roles as they wish. Specific responsibilities and titles can be determined by the student team. Prequalifications will be collected at the Pre-Bid meeting on October 19th. Prequals should include headshots, your team name, roles, resumes, and a brief description of your company background.

Contact Information:

Prior to October 18th, 2023, any questions regarding the Region 3 Electrical Problem can be directed to:
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