



AEI Student Design Competition: Value Engineering & Design Build

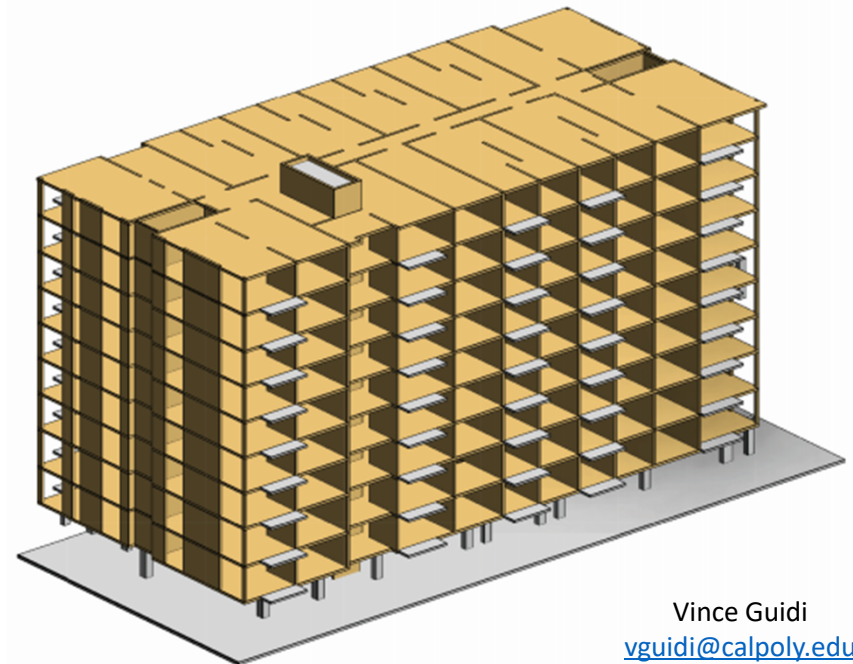
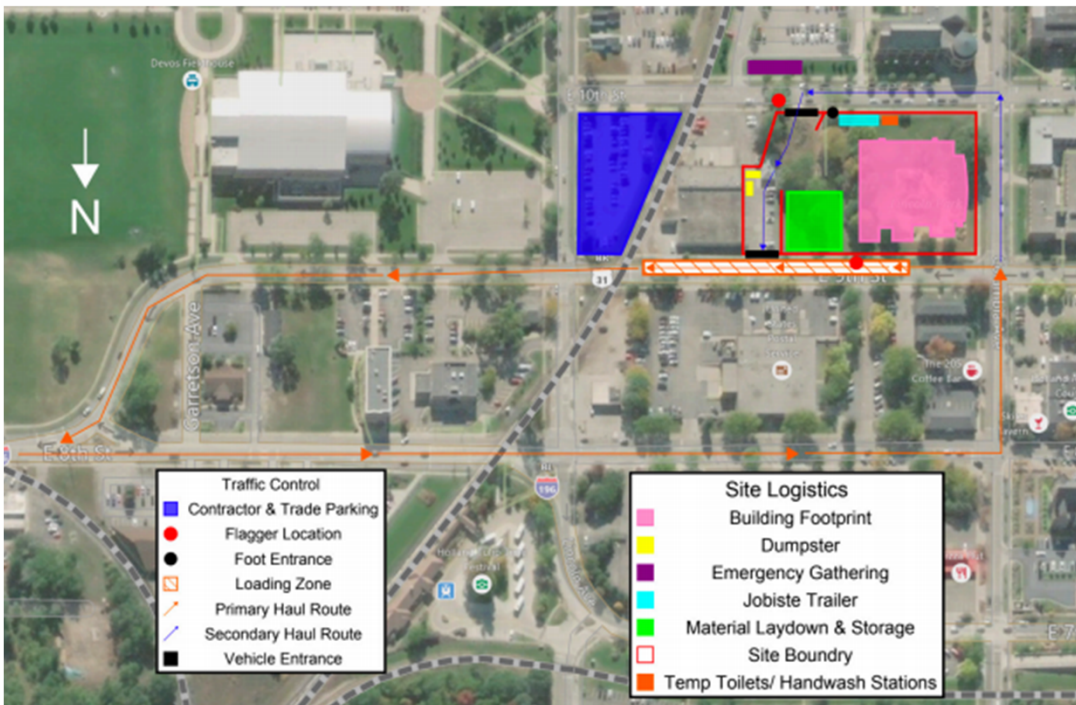
Vince Guidi

The Architectural Engineering Institute puts on a yearly student design competition that features interdisciplinary teams from colleges across the country. The project for the competition was the Jack H. Miller Center for Musical and Performing Arts on the Hope College campus in Holland Michigan. The main challenges in the problem statement address acoustics, using mass timber, and add alternative roof top space. Through a collaborative process, our team created a proposal that addressed the challenges and why we were the best fit for the job. I worked with a fellow construction management student, Shannon Wheeler, to produce our portion of the work. We created a multi-level estimate, schedule, site logistics plan, and other project management plans. We achieved this through our knowledge in the construction curriculum as well as being assisted from faculty and industry members. Overall, I learned that effective communication was a big key to success and that we had created a strong proposal by the date it was due.

Key Words: Construction Management, Collaboration, Competition, Architectural, Engineering, Design

Deliverables:

Estimate
Schedule
Site Logistics
Delivery Method
Jurisdictional Requirements
Constructability
Quality
Safety
Risk



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