

Project Overview – Calverton Elementary/Middle School Replacement – Baltimore, MA

Project Sponsor: Andrew Sherer (Sr. PM) and Ryan Fox (PM) – The Whiting-Turner Contracting Company

Project Scope: Design, preconstruction services and construction of a 21st Century two story elementary/middle school for the Maryland Stadium Authority and Baltimore City Public Schools. The 21st Century school building should include, but is not limited to, space adaptability for teaching, learning, and community usage, cutting-edge learning technology, and environmental sustainability. Abatement and demolition of existing school and cutting and removal some of the deep foundation piles is part of the scope of work.

Team deliverables: Teams were provided RFP. Partial project narrative (architecture), existing site plan (showing old school) (Appendix I), 2D floor plans (Appendix II) and the 3D Architectural Revit model. Team deliverables for the D/B project were divided into five (5) major milestones that included:

Milestone 1:

- Review RFP scope of work
- Identify key requirements and owner priorities
- Determine win themes
- Team organization, responsibilities, production (pursuit) schedule and contractual agreement

Milestone 2:

- Building site plan
- Analyze various *foundation systems* and propose one for the new building.
- Analyze various *structural floor systems* and propose one for the new building.
- Provide a column plan for the structural steel system.
- Analyze various *roofing systems* and propose a system for the new building.
- Analyze various *HVAC systems* and propose one or more system for the new building.
- Prepare an outline for a community presentation to inform the community of the project, explain the benefits and address their concerns

Milestone 3:

- Develop a site logistics plan
- Provide a plan for the project. Consider design, permitting, procurement and construction activities. Include in your plan how you will phase the job and prepare a fenced barchart to show your sequence of tasks.
- Generate a 4D schedule simulation using Navisworks.
- Delay mitigation – Explain your strategies for to plan for and mitigate any delays that may occur.
- Technology - Provide two (2) examples of technology your team will use for managing the project and improving its efficiency/productivity during the design or construction phase.
- Safety Plan/Culture
- QA/QC Plan

Milestone 4:

- Using the Unifomat II classification system, prepare an estimate for the assigned functional areas and prepare a total estimate for cost of work.
- Prepare a list of general conditions categories.
- Estimate total project cost and determine your GMP.

- Based on the D/B contingency provided, define your anticipated risk areas that justifies your request for the contingency and provide a contingency management plan.
- Provide a proposed shared cost savings (% owner and % DB) for the D/B contingency.

Milestone 5:

- Prepare a final presentation to discuss your solution.

<p>Team Alabama</p> <ul style="list-style-type: none"> ▪ Allen, Michael ▪ Autry, Caleb ▪ Bell, Landon ▪ Garrison, Brennon ▪ Pooley, Sam ▪ Pruitt, Jacob Wyatt 	<p>Team Arizona</p> <ul style="list-style-type: none"> ▪ Burbach, John ▪ Carter, Mason ▪ Cordova, Emily ▪ Elmore, Lyda ▪ Gbedey, Ayi ▪ Patel, Nilay 	<p>Team Arkansas</p> <ul style="list-style-type: none"> ▪ Canaday, Tyler ▪ Castaldo, Melina ▪ Cavanaugh, Thomas ▪ Devenny, Ryan ▪ Sabatos, Jillian ▪ Trebour, Evan
<p>Team California</p> <ul style="list-style-type: none"> ▪ Barker, Michael ▪ Doyle, Ana ▪ Dunn, Alex ▪ Kidd, Jack ▪ Morton, Bob ▪ Parker, Ben 	<p>Team Colorado</p> <ul style="list-style-type: none"> ▪ Ghee, Dwayne ▪ Moore, Cayce ▪ Moore, Kira A ▪ Nguyen, Andrew ▪ Qiu, Yangfangzhong ▪ Shiflet, Brett 	<p>Team Iowa</p> <ul style="list-style-type: none"> ▪ Kresslein, Tony ▪ Lattanze, Anthony Joseph ▪ Lysek, Christian ▪ Martinez, Arnoldo ▪ Pryatel, James ▪ Rifkin, Jackson
<p>Team Maine</p> <ul style="list-style-type: none"> ▪ Bowers, Andrew Scott ▪ Deangelis, Chas ▪ Gonzalez, Robert C. ▪ Hughes, Austin Thomas ▪ Johnston, Ben ▪ Young, Zachery 	<p>Team Montana</p> <ul style="list-style-type: none"> ▪ Ipock, Kristin ▪ Larkin, Justin Peter ▪ Mazza, Marc ▪ Powell, Elisabeth ▪ Santus, Hannah Marie ▪ Schuck, Kate 	<p>Team Nevada</p> <ul style="list-style-type: none"> ▪ Godsey, RD IV ▪ Gordon, Kyle ▪ Olszewski, Michael ▪ Ray, Taylor ▪ Reese, Garrett ▪ Taylor, Meagan
<p>Team New Mexico</p> <ul style="list-style-type: none"> ▪ Keene, Matt ▪ Mueller, Brandon ▪ Norsworthy, Gus Jr ▪ Oyler, Morgan ▪ Reynard, Lydia ▪ Smith, Coleman 	<p>Team North Carolina</p> <ul style="list-style-type: none"> ▪ Goodman, Jacob Joseph ▪ Heath, Elias ▪ Hern, William ▪ Mikk, Hayden ▪ Nikitopoulos, Matthew ▪ Paluszek, Lizzy 	<p>Team Texas</p> <ul style="list-style-type: none"> ▪ Cole, Sydney Janae ▪ Cordova, Alec ▪ Ramsey, Preston ▪ Stubeck, Sarah Grace ▪ Swaim, Spencer ▪ Vaught, Gavin
<p>Team Utah</p> <ul style="list-style-type: none"> ▪ Johnson, Sean ▪ Lapitan, Alonzo ▪ Peterson, Graham ▪ Stevens, Cole ▪ Willard, Jennifer Ning ▪ Williamson, Luke 	<p>Team Washington</p> <ul style="list-style-type: none"> ▪ Goodrick, Jason ▪ Jefferson, Keaja "KJ" ▪ Loving, Rhett ▪ Miller, Rickie Rae ▪ Redington, Colin ▪ Smith, Robert Anthony 	