

G2 Consulting Group

G2 Consulting Group Earns Second Amazon Contract

Troy-based G2 Consulting Group provided a geotechnical investigation and is currently providing construction engineering services on an 850,000-square-foot Amazon distribution center in Romulus. The company has also been contracted to provide similar construction engineering services for another Amazon distribution center currently underway in Shelby Township.

“These are huge projects on an unusually fast track,” said Jason Stopes, P.E., G2 Ann Arbor project manager on the Romulus Amazon project. “With the incredible growth Amazon is experiencing in its business, the company needs geographically relevant distribution and they can’t waste time getting it built. They’re a tough, demanding but fair client. We were able to meet their needs and schedules on the Romulus center and we’re delighted to have won a second contract for Shelby Township.”

G2 Consulting’s work on the new centers will include soil and materials inspections, concrete testing, structural steel evaluation, and floor flatness/floor levelness of the warehouse floors so that robots and other equipment can function flawlessly and efficiently. Construction plans for the new center call for quick erection, including pouring of 500 to 1,000 yards of concrete a day with perfectly flat floors being a paramount concern.

“We’ve been doing this kind of

work for more than two decades,” said Mark Smolinski, P.E., G2 principal. “We’re confident we can meet Amazon’s schedule and help keep construction on time and on budget. It’s a challenge, but it’s what we love to do.”

For more information on G2 Consulting Group, visit www.G2consultinggroup.com.

InEight

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InEight, the project technology expert, played a critical role in HDR, a specialist in engineering, architecture, environmental and construction services, winning one of four coveted 2017 buildingSMART International Awards. This awards program recognizes projects that use tools and open standards developed by the buildingSMART International community to overcome inter-operability challenges within the industry.

HDR was honored in the operations and maintenance category for the development of an open-technology database that will be used by the New York State Thruway Authority (NYSTA) for the Governor Mario M. Cuomo Bridge in New York. This bridge is being designed and built by Tappan Zee Constructors, LLC (TZC), with HDR as the lead designer. The new \$4 billion eight-lane bridge will replace the existing Tappan Zee Bridge for the NYSTA. InEight’s solution is being used on the project to ensure the interoperability of all required project models for the bridge and to automate critical processes needed to deliver a contractually-mandated

asset information model to the NYSTA.

From the beginning, the NYSTA, TZC and HDR took an innovative approach to the turnover deliverables for the project, which required the digital delivery of the bridge models, including comprehensive as-built project information. This meant that hundreds of thousands of connections needed to be made between disparate model elements and project documents, such as as-built drawings, mill certifications, inspection reports, nonconformance reports, daily work reports and construction photos.

HDR turned to InEight and the company’s asset information modeling solution, InEight® Model Suite. InEight provided the HDR team with the common data environment needed to create the open-technology database. With InEight’s solution, HDR was able to use the Industry Foundation Classes file format to connect more than 500 disparate models used for the project. To date, InEight’s solution has been used to create more than 400,000 automatic connections between project data and models, and will establish and maintain more than one million document connections at project turnover.

InEight automated the previous time-consuming manual process of creating connections between model elements and required project documentation. It is estimated that

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