

Northwest Corridor Express Lanes Named No. 1 Project by Roads & Bridges



The Georgia Department of Transportation's (Georgia DOT) Northwest Corridor Express Lanes Project has been recognized as the No. 1 project on the 2018 Roads & Bridges Top 10 Roads list. This infrastructure project, the

largest of its kind in state history and most innovative express lanes project in the country, opened Sept. 8. with the goal of alleviating congestion and providing more reliable travel times for commuters.

Roads & Bridges' Top 10 Roads awards, created in 2000, recognize the top projects in North America. Each year, nominations are submitted to the R&B editorial staff, which determines the Top 10 list based on project challenges, impact to region, and scope of work.

The Northwest Corridor Express Lanes Project included the design of six new express lane interchanges on I-75, new access points, and 39 bridges with lengths totaling about 27,500 linear feet. The project did not use existing general purpose lanes interchanges and as a result, four separate access points, some created using isolated side roads, were constructed for the I-285 interchange alone. This, combined with successfully navigating a tight

working space and managing environmental sensitivity, are some of the key factors which led it to be named the No. 1 project for 2018. The project improves travel in the I-75/I-575 corridor by adding nearly 30 miles of express lanes along I-75 from Akers Mill Rd to Hickory Grove Road and along I-575 from I-75 to Sixes Road. Two express lanes were built to the west of the existing lanes along I-75 between I-285 and I-575. From that interchange, one express lane has been added along I-75 north to Hickory Grove Road and one express lane has been added along I-575 to Sixes Road.

“Georgia DOT is honored to receive this award from such a fine publication that is highly valued in our industry,” Georgia DOT Commissioner Russell R. McMurry, P.E. said. “The Northwest Corridor Express Lanes Project was a major undertaking that spanned several years and involved the support of the state legislature, local organizations and stakeholders, and Georgia citizens. “The Northwest Corridor Express Lanes offer a glimpse into the future of Georgia’s transportation network, which includes a connected system of express lanes in metropolitan Atlanta. We view this project as one of the most transformative projects in state history, enhancing both mobility and transportation choice for Georgia motorists.

Read Excerpt: <https://us13.campaign-archive.com/?u=80dbe14272ec0b5e1a1bf5b4e&id=9d6765f628>

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About the Program

The Construction Estimating Institute (CEI) works with GDOT as the statewide provider of the federally fund Disadvantaged Business Enterprises (DBE) Supportive Services Program.

Our goal is to increase the number of certified DBEs participating in highway and bridge construction, as well as assist DBEs in growing and eventually becoming self-sufficient.

Additionally, CEI provides supportive services by assisting prime contractors and consultants with identifying DBEs for subcontracting opportunities on priority projects.

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The Rise of AI in Construction

Using artificial intelligence to maximize data, improve safety & drive productivity



Today, it seems as though everything is under construction. Be it downtown or beyond the county line, a walk outside unencumbered by a sleek looking building or bridge

being built is almost a rarity.

Although these projects are being built to the specs of the most modern designs and often accommodate the latest technology criteria, the crews building them are not necessarily taking advantage of the latest technologies available to drive faster and more accurate project completion. While there have been some recent strides in adoption, the construction industry has a looming reputation for being slow to adopt the latest tech for the jobsite.

As some field teams dream of moving forward with new tools and tech initiatives, some owners remain hesitant. Because most tools being used on jobsites are outdated, owners must recognize that without new tools, companies can lose millions of dollars in productivity. Not a moment too soon, artificial intelligence (AI) is emerging and completely reshaping the industry. While it's early yet, the rise and impact of AI has already been significant in various aspects of construction.

Data Drives the World

We live in a data-driven world, and the proper use of data offers invaluable insights, allowing users to make informed decisions far more efficiently. This notion is especially true for those working in construction, as details are everything when it comes to a building project,

leaving little room for mistakes. Any slight miscalculation can result in a faulty structure that must be torn down and rebuilt, wasting time and money. AI's presence on construction sites is all but eliminating many common errors while also reducing risks.

With powerful, AI-supported cameras on-site, project managers are able to get real-time visuals around the clock, allowing them to not only see when a mistake is being made, but also to predict mistakes and prevent them from occurring. The ability to anticipate problem areas keeps projects on schedule and moving forward, minimizing waste of both labor and profit.

AI-supported cameras continuously monitor all areas around a jobsite, allowing viewers to understand and analyze all activities in real time. AI provides useful and actionable insights to owners, project managers and superintendents alike, giving them complete control down to the finest details. Insights include processes, such as equipment utilization, truck arrivals and departures, and personnel presence on-site at any given time. AI even enhances the value of regular video cameras mounted at jobsites for monitoring security, tracking progress, alerting users about potential bottlenecks or delays, spotting potential problems (like safety issues), and more.

Read Excerpt: <https://www.constructionbusinessowner.com/technology/software/rise-ai-construction>

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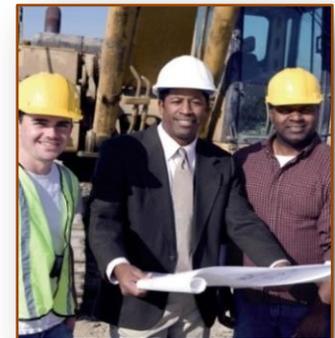
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CEI is an educational organization providing the highest quality construction training in the industry. Over 100,000 owners, estimators, project managers, field supervisors, office support staff, foremen, laborers, and key management personnel have attended courses that are offered nationwide. The courses provide students with construction skills training and the critical information needed to be effective within their companies and organizations.

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