



**NEWS RELEASE**  
**For Immediate Release**

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**G2 PROVIDES ENGINEERING SERVICES FOR FORT STREET REBUILD IN DETROIT**

**Troy, Mich./April 18, 2011** – G2 Consulting Group of Troy, Mich., is providing geotechnical consulting services and dynamic pile testing on pile foundations for an extensive reconstruction of Fort Street/M-85 between Schaffer and Outer drives in Detroit, Mich., that includes foundations supported by more than 900 piles extending up to 100 feet deep.

The Michigan Department of Transportation (MDOT) project involves a complete demolition and reconstruction of Fort Street, including a viaduct that carries Fort Street over several sets of railroad tracks. Built in the late 1920s, the existing structures have settled significantly due to the site's poor soil.

Foundations for the new bridge structures, retaining walls and roadway surface are supported by more than 900 piles extending up to 100 feet below the finished grade to support the new viaduct system. G2's pile testing program, which includes static load tests and dynamic testing, gave the project engineer the data required to use the highest design factor possible – 80 percent of the ultimate pile capacity – for a cost-effective foundation.

Posen Construction of Shelby Township, Mich., the project's general contractor, hired G2 a geotechnical, environmental and construction services engineering firm based in. G2 has provided pile driving analysis (PDA) services for several other Posen projects in the two years since MDOT began requiring the specialized service on certain deep pile foundation construction projects.

PDA involves monitoring the pile driving process with sensitive equipment that measures stresses that occur in the piles and the soils' reactions to the impact. G2's specially trained engineers then evaluate the data to determine the bearing capacity of piles, and recommend a depth to which the piles should be driven for that specific foundation.

"The pile driving analysis technology compliments our existing geotechnical capabilities for deep foundation consulting and design" according to Noel Hargrave-Thomas, PE, geotechnical group leader and founding principal. "We continue to strive to be the 'go-to' resource for engineers and contractors in the underground and infrastructure construction arenas."

G2 Consulting Group ([www.g2consultinggroup.com](http://www.g2consultinggroup.com)) is a full-service engineering firm serving Fortune 500 companies, major utilities, property owners, government agencies and leading architectural, engineering and construction firms across the United States. Based in Troy, Mich., G2 also has offices in Brighton, Mich., and suburban Chicago, Ill.

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