

CUY-90-14.90 (CCG1)

Cuyahoga County, Ohio

CLIENT

Michael Baker
4301 Dutch Ridge Road
Beaver, PA 15009
Bob Parker
(412) 918-4000

OWNER

Ohio Dept. of Transportation
District 12
5500 Transportation Blvd.
Garfield Heights, OH 44125
Tom Hyland
(216) 584-4018

COMPLETION DATE

December 2009 (Design)
May 2016 (Construction)

PROJECT COST

\$649,000 (Design)
\$287 Million (Construction)

E.L. ROBINSON'S ROLE

Subconsultant
Geotechnical Design

PROJECT MANAGER

Rick Engel, PE

KEY STAFF

Jamal Nusairat, PhD, PE
Kevin White, PE
Jason Wise, PE (while at ODOT)
Christian Steck



E.L. Robinson Engineering (ELR) collaborated with Michael Baker on the Cleveland Innerbelt CCG1 project's preliminary design. The project provided preliminary design for 1.8 miles of Westbound I-90 on a new alignment that included a 4,000-ft-long bridge over the Cuyahoga River Valley. The project included five miles of total roadway work, including the mainline, ramps, and side roads. ELR prepared the Structure Foundation Exploration Reports for the viaduct span, the approach spans, six approach bridges, and four retaining walls. Due to funding opportunities, the design-build process was used to advance the project. ELR completed the analysis and design for grading and drainage improvement for the stabilization of the West Slope. ELR prepared sealed construction drawings for 500' of Cuyahoga River bulkhead reconstruction, including tieback system, regrading of the existing slope, gas vents and horizontal slope drains, and accommodations for a future multiuse trail, which was implemented into the design-build scope as a project requirement. We worked closely with five bridge design groups, which required continuous coordination with the firms to remain on schedule and under budget.