



PROJECT DESCRIPTION SHEET

ALLEGHENY RIVER BRIDGE

Project Name: Allegheny River Bridge

Location: Harmarville Township, Allegheny County, Pennsylvania

Owner: Pennsylvania Turnpike Commission

Our Client:

Our Role: Construction Management

Date Project Awarded: 2007

Project Monetary Value: \$ 190,000,000

Project Description: When the Pennsylvania Turnpike Commission wanted to construct their signature bridge in Western Pennsylvania, the Allegheny River Bridge, Zell Engineers, Inc. was selected to staff the construction management team for the project. Unique features of this project included construction of a cantilever style, concrete poured in place set of bridges, soldier and soil nail walls along the turnpike mainline.

Project tasks include the following:

- Geotechnical Engineer provided by Zell provided engineering support to the various construction projects within the overall project. These would include the over site of the construction of a soldier pile wall, a soil nail wall, abutment construction and inspection of all bridge construction materials.
- Zell provided the Environmental Manager to the project. This manager was responsible for transferring the NPDES permit and monitoring project activities for compliance to all the site permits. Other permits overseen by this manager included Pennsylvania Fish and Wildlife Commission and Pennsylvania Boat Commission permits, coal mining permits. In addition, the Environmental Manager conducted weekly inspections of the entire site to assess the condition of the erosion and sedimentation (E and S) controls during construction.
- A Health and Safety Manager from Zell was provided to the project. This manager acted as an over-site manager for the health and safety activities during bridge construction. Specific duties for this manager included conducting daily safety meetings, periodic training sessions,
- Construction Inspectors from provided support all over the project area. These staff members provided expertise in soil, concrete and asphalt testing, monitoring of soil and fill placement



References: Available Upon Request

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