

## PROJECT > Rankin Bridge

Shotcrete MS - Fiber Reinforced  
Pittsburgh, PA



### PROJECT DESCRIPTION:

After government officials and engineers deemed the Rankin Bridge to be structurally deficient. A comprehensive structural repair and improvement project was initiated. Allegheny County officials selected Pittsburgh-based Mosites Construction Co. for the project. QUIKRETE® Shotcrete MS – Fiber Reinforced was used for full depth structural repairs to the deteriorated concrete piers. QUIKRETE® Shotcrete MS was applied in a dry process method due to the stop and start nature of the work. The material was predampened to reduce dust during application.

ACI certified nozzlemen applied the Shotcrete MS in depths up to 18 inches. Crews then shaved the excess

material and shaped the shotcrete to match the contour of the existing piers.

Shotcrete MS is a single component Micro Silica enhanced repair material that achieves over 9,000 PSI at 28 days. Shotcrete MS exhibits very low rebound and permeability characteristics.

### GENERAL CONTRACTOR:

Mosites Construction Co.

### PROJECT START DATE:

August 2008

### QUIKRETE® PRODUCTS USED:

- 3,000 lb Shotcrete MS - Fiber Reinforced:  
222 bulk bags

### PROJECT COMPLETION DATE:

November 2010



**QUIKRETE®** Shotcrete MS  
- Fiber Reinforced  
Product No. 1228-51

