

ROSEVILLE TUNNEL REHABILITATION

Byram Township, New Jersey



The Roseville Tunnel Rehabilitation Project, located in Byram Township, New Jersey, represents a transformative effort by NJ TRANSIT to restore and modernize a century-old rail tunnel while maintaining vital commuter operations on the Morris & Essex Line. The overall objective was to minimize water infiltration into the tunnel and perform necessary structural repairs to ensure safe future rail operations.

KS Engineers, P.C. (KSE) was retained to provide construction management services in support of the design and rehabilitation of the Roseville Tunnel. The project team oversaw the design and implementation of a comprehensive rehabilitation program that preserved the tunnel's historic integrity, enhanced safety, and extended its service life for future generations.

Schiavone Construction Co. LLC of Secaucus, NJ, was contracted to provide the final design, construction, and commissioning of the Roseville Tunnel Rehabilitation. The rehabilitation work included the removal of loose rock, rock bolting, repair of the existing concrete tunnel liner, and installation of a waterproofing system, CCTV, and communications system. The requirements also included rock excavation from the west tunnel portal, track bed installation, and a new drainage system.

The project exemplifies engineering excellence through the innovative integration of advanced technologies, sustainable construction practices, and precise coordination within a constrained, high-risk environment.

ACEC ENGINEERING
EXCELLENCE AWARDS

Project

Roseville Tunnel Rehabilitation
Byram Township, NJ

Client

New Jersey Transit, Newark, NJ

Entrant

KS Engineers, P.C., Newark, NJ