

Project Profile

Airport Tunnel Reconstruction



Year:
2012-2013

Client:
Greater Cleveland Regional
Transit Authority (GCRTA)

Location:
Cleveland, Ohio

Project Scope:

The 1,628 feet long tunnel ends at RTA's Airport Station. The construction improved safety and restored the tunnel structure, track and drainage systems. At 44 years old, the tunnel was near the end of its useful life.

Construction goals:

- Clean existing drainage pipes and replace damaged ones.
- Install a trench drainage system at the tunnel entrance.
- Replace existing drainage pumps and controls.
- Replace the wood tie and stone ballast track structure with a concrete slab and integral blocks or "plinths" to support the rails.
- Repair structure roof and wall joints, including the concrete retaining walls at the entrance.
- Replace and restore the ventilation system fans and controls.
- Relocating the signal and communication cable conduits.
- Install a hand-operated "paddle" system to shut off the overhead power in the event of an emergency.

Project Services:

QCI supplied full time Resident Project Inspectors to monitor the work of the Contractor through all phases of the project. QCI supplied daily construction reports, tracked quantities and monitored testing for the GCRTA.

Cost:
\$10.1 M