



## Plane Train Tunnel West Extension City of Atlanta

**Location:** Hartsfield-Jackson Atlanta International Airport, Atlanta, Georgia

**Date:** 2019 - Present

**Structure:** Automated People Mover System Tunnel Extension

**Length:** 900 ft (247 meters)

**Cross-Section:** ~20.5 ft height x 19 ft width

**Geology:** Fill, Residuum/Saprolite, Partially Weathered to Fresh Gneiss

**Cost:** Approximately \$331 million

**Client:** Clark/Atkinson/Technique (CAT) JV

**Owner:** City of Atlanta



**Figure 1.** Weathered Gneiss exposed at excavation face.



**Figure 2.** Installation of waterproofing in Bifurcation.

### Peer Review Services:

Hartsfield- Jackson Atlanta International Airport is the world's busiest airport and is currently undergoing a \$6-billion capital improvement program, which includes the Plane Train Tunnel West Extension Project (PTTWE). The PTTWE project includes construction of a 900-ft long SEM tunnel and bifurcation that will extend the airport's existing automated people mover system tunnel west from its existing endpoint. The extension will improve the train turn-back operation, reducing train headway and increasing passenger capacity.

Gall Zeidler Consultants (GZ) provided a formal constructability review of the respective Sequential Excavation Method (SEM) tunnel design packages, including an assessment of excavation sequencing, initial support, instrumentation and monitoring, and contingency measures. GZ has provided on-site support during construction of the SEM tunnels including the Senior SEM Engineer and SEM Superintendents.