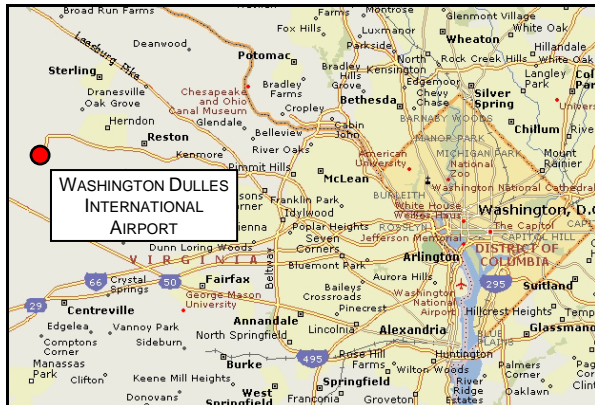
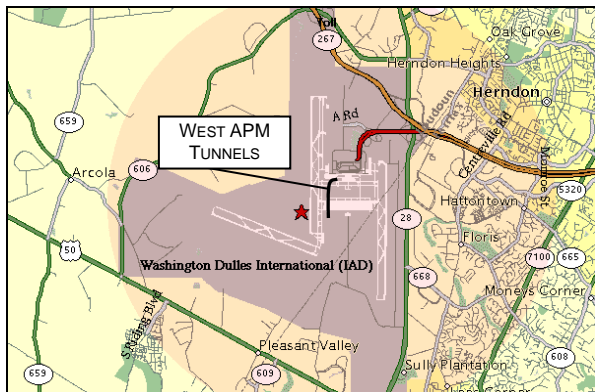


WEST APM TUNNELS PACKAGE 3W INTERNATIONAL AIRPORT DULLES / WASHINGTON DC USA

OWNER: METROPOLITAN WASHINGTON AIRPORT AUTHORITY



PROJECT – LOCATION



WEST APM TUNNELS



NORTH HEADING

PROJECT

Currently the international airport of Washington DC (IAD) is extended and renewed by multi billion Dollar construction projects. Part of these constructions are numerous tunnel projects, such as tunnels for automated people movers, and tunnels for the extension of the existing utility system.

The West APM Tunnels are constructed to facilitate automated people movers which will connect the main terminal with the midfield terminal Concourse B.

Overall 4 tunnels are driven from an excavation pit. Two tunnels are running to the north and are 225 m long and two tunnels run in southern direction which are 90 m long. The south tunnels are connected by a cross passage.

The final shape of the tunnels will be circular and they are constructed by excavating a top heading and invert.

RESPONSIBILITIES

NATM Engineer responsible for the excavation of a tunnel underneath an airport that is in service.

Services provided -

Geotechnique and Technical Assistance:

- Determination of the rock class
- Determination of additional local measures
- Interpretation of the geotechnical monitoring
- Construction consultancy

Period of work: 2005 - 2006
Volume of service provided: 350,000 Euro