

DULLES INTERNATIONAL AIRPORT | DULLES, VA



Occupied Airport Terminal & Supporting Structures



Phase 1 | Feb 2004 – Nov 2009
Phase 2 | April 2008 – Feb 2010
Phase 3 | Oct 2010 – Dec 2010



\$13,000,000



Turner Construction Co.
Clark Construction Co.



Structural & Selective Demolition



Salvage & Asset Recovery



Equipment Dismantlement



Zero OSHA Recordable Incidents

LVI performed structural and selective demolition in all three phases of a \$3.2 billion renovation project at Dulles International Airport, one of the nation's busiest airports. LVI conducted phased demolition to make room for a new four-level Automated People Mover (APM) Station and Security Mezzanine to facilitate the processing and transporting of passengers to all primary airport concourses.

Major activities in Phases 1 & 2 included replacement of the existing South Finger with a new bridged structure over connecting tunnels for the APM and mobile lounge facilities. LVI's scope of work integrated building separation and structural demolition including below-grade components of the South Finger Control Tower, baggage handling systems, the West T-Gates and the US Customs Barnacle building.

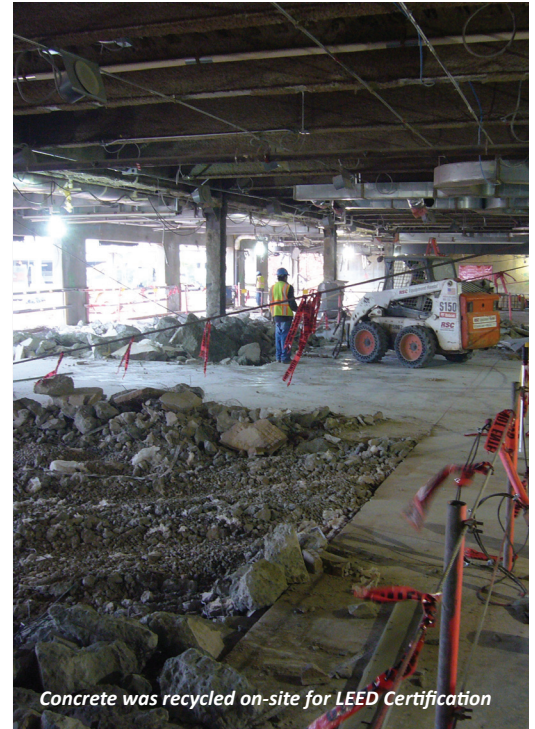
Selective demolition included segments of the West Station and East Station. LVI provided project management, safety personnel, superintendents, operating engineers, and demolition laborers in conjunction with state-of-the-art equipment to ensure the project exceeded the contract specifications. LVI proved flexible by adapting its methods to a constantly changing environment.



CONCRETE RECYCLED ON-SITE TOWARD LEED CERTIFICATION



LVI had to demolish existing structures before new construction could begin



Concrete was recycled on-site for LEED Certification

SEQUENCED DEMOLITION IN AN OCCUPIED ENVIRONMENT

Demolition activities were sequenced to support continued airport traffic flow and critical temporary support of active building structures. This resulted in the need for surgical separation and removal of structural members as well as installation of engineered shoring systems to provide stability to the structure.

CONCRETE RECYCLING

As part of the expansion of the International Arrivals Building, LVI performed the selective demolition of the pre-cast concrete panel facade which faced the entire side of one wing of the building. All concrete was recycled on-site, as part of the LEED certification process.

BAGGAGE CLAIM DISMANTLEMENT

For Phase 3, LVI was selected to continue its work at Dulles which involved interior demolition of the baggage claim area also in the International Arrivals Building. Due to the high activ-

ity level of this occupied and heavily utilized airport, LVI made the safety and security of the airport and its patrons a priority, while coordinating efforts with Turner, the Metropolitan Washington Airports Authority, and the FAA.

All work was completed on time, on budget, and with no recordable incidents.

Project Managed By LVI Environmental Services Inc., a Connecticut-based subsidiary of LVI Services Inc. | **Client Contact** John McManus, Turner Construction Co., 703-572-1840 (Phase 1) & Brian Ahern, Clark Construction Co., 301-272-8100 (Phases 2 & 3)