



STARDUST CASINO & HOTEL | LAS VEGAS, NV

HOSPITALITY EXPERIENCE



63-Acre Hotel & Casino



December 2006 – August 2007



\$8,300,000



Tishman Construction / Boyd Gaming



Implosive Demolition



Hazardous Material Abatement



Debris Recycling



Zero OSHA Recordables

LVI collaborated with the property owner, Boyd Gaming, and general contractor, Tishman Construction, over a two-year period to safely plan the abatement and implosion of the historic Stardust Hotel and Casino and the supporting structures.

The pre-demolition process included detailed development of an air quality plan for dust management, storm water pollution prevention plan, alerting the Clark County Fire Department and coordinating with the Nevada DOT for road closures and crowd control.

The Stardust opened its doors in 1958 and closed them for the last time November 1, 2006 as the 45-day liquidation process began. On December 18th LVI took possession of the 27 structures on this 63-acre site. LVI self-performed all the pre-demolition hazardous material abatement on the 9-story tower, the Stardust Main Showroom and the 2-story Villa build-

**ZERO OSHA RECORDABLES**

ing. Both the 32-story West tower and the 9-story East Tower were post-tensioned concrete structures.

Site demolition began on January 2, 2007, with the low-rise outer buildings (Pavilion Building, meeting rooms, Sportsbook and Casino Building). The post-tensioned East tower, 112,000 square feet, was demolished using hydraulic excavators and hand tools.

The interior demolition of the 32-story tower hotel was performed on an accelerated schedule in order to meet the March 13th implosion date. LVI used 75-150 field technicians working on 8 floors at a time. Skid Steers were used on each floor to clear debris to the staircase well which was strategically dismantled to use as a load-out chute. Interior strip-out left concrete and steel exposed, slab to slab.

It only took 10 seconds using 428 pounds of explosives to implode both the 32-story and 9-story towers. Including the outer buildings, a total of 2,000,000 square feet was demolished. LVI earned 2 LEED credits for the owner by recycling 78% of the demolition debris, such as, non-ferrous metals, concrete and steel. Over 130,000 tons of concrete were crushed and recycled on site.

Load tickets were completed as each truck exited the site, and the information logged on to a spread sheet to keep track of each load. The load tickets and spread sheet were used to provide information for the owner's LEED certification.

At the time, the Stardust was the 4th largest building in the world to be imploded. LVI worked for eight weeks after the implosion finishing the cleanup of the site. Boyd Gaming is planning to re-develop this site as Echelon Place, a multifaceted destination resort with a mix of 5 unique hotels each offering its own luxury experience.

Project Managed By LVI Environmental of Nevada Inc., a Nevada-based subsidiary of LVI Services Inc. | **Client Contact** Bill Stanton, Project Manager, (917) 327-6803, bmerra@boydgaming.com