

FACT SHEET

HOLLYWOOD BOWL SHELL PROJECT

- WHAT IT IS:** The Hollywood Bowl Shell Project includes the reconstruction of the shell and stage area, thereby improving the acoustics and backstage amenities for performers, upgrading technical systems and enhancing the musical experience for Hollywood Bowl concert-goers. The project is being carried out by the County of Los Angeles and the Los Angeles Philharmonic Association.
- WHEN:** The Shell Project on-site construction began in October 2003 and is scheduled for completion in June 2004, when the summer concert season begins. Phase 1 (understage areas) began in October 2000 and was completed in Spring 2001.
- WHY THE PROJECT IS NEEDED:** This project is intended to improve the quality of experience for the musicians and performers. In the previous shell, built in 1929, the acoustic quality of the structure severely limited the ability of musicians to hear each other and play as an ensemble. The curved shape also resulted in focused sound returning to the stage. In addition, the shell was too small to accommodate a full orchestra; close to 1/3 of the musicians were forced to sit outside the shell itself, with no acoustical enclosure.
- ADDITIONAL NEW FEATURES:** The new and improved shell is approximately 30% larger than the previous structure in order to accommodate a full orchestra. The design allows for a clean, uncluttered look reminiscent of the original 1920s Moderne curvilinear design, thereby preserving the look of a Los Angeles icon. Unlike the current previous configuration which had lighting and sound instruments affixed in a way that obstructed the shell's appearance, the new design integrates an acoustical canopy floating within the shell. This canopy provides an acoustical reflective surface for sound to return to the musicians, as well as space for lighting and sound reinforcement equipment.
- Other features of the project include an in-stage turntable, projection screens at stage level and on either side of the stage, and newly designed and relocated speakers to deliver a more even sound to all areas of the Bowl. The combination of the restored design and advanced technology allows both current and future generations to experience music at the legendary Hollywood Bowl for decades to come.
- WHO IS FUNDING THE PROJECT:** Funding for this shell construction project was included in Proposition A, which was approved by Los Angeles County voters in 1996.

WHAT THE PROJECT INCLUDES:	The Shell Project includes building a new shell and backstage areas to replace the existing structure at the Hollywood Bowl. By the project's completion, a new shell will be in place, preserving the iconic 1920s Moderne curve of the previous shell while bringing dramatically improved acoustics and performance space on stage. In addition, there are new arms and canvas seats and backs for all chairs in the boxes, as well as new tables. No other areas of the venue, including patron seating, picnic areas, or parking will be affected by the project.
PREVIOUS IMPROVEMENTS AND OTHER PAST CONSTRUCTION PROJECTS:	Numerous improvements over the years (1947, 1953, 1959, 1970, 1972, 1980) have been attempted in order to improve acoustics, including the addition of 11 fiberglass spheres inside the 1929 shell. None of these attempts succeeded in providing the level of acoustic excellence that is required for both the world-class performers and patrons who come to the Hollywood Bowl.
OTHER PAST SHELL CONSTRUCTION PROJECTS:	The 1929 shell is the fourth shell; the new shell is the fifth in the history of the Hollywood Bowl. The first three varied in shape and design, and included a wooden ellipse in 1926, a pyramid-shaped shell in 1927, and an elliptical shape with concentric arches in 1928. The previous, semi-circle shell, was built in 1929. The new shell, which will replace the existing structure, will maintain the nine concentric arches that have become synonymous with the Hollywood Bowl.
PROJECT TEAM	Design Architect: Hodgetts + Fung Executive Architect: Gruen Associates Acoustician: Jaffe Holden Acoustics General Contractor: Matt Construction Corporation Owner's Representative: Elaine Nesbit Project Manager: Bottega Management Civil Engineer: KPFF Consulting Engineers MEP Engineer: Gotama Building Engineers Soils Engineer: Geotechnologies, Inc. Structural Engineer: MHI Miyomoto Los Angeles County Counsel: Helen Parker, Principal Deputy County Counsel 3-D Electronic Modeling: Magnusson Klemencic Associates Abatement Consultant: CTL Environmental Service EIR Consultant: RGA Environmental, Sapphos Environmental, Inc. Historical Consultant: Greenwood & Associates Specifications: ANC Specifications Theatre Planning & Design: Fisher Dachs Associates, Inc. Security Guard Service: Command Guard Services Surveying: BLC Surveying, Inc. Demolition and Abatement: G. D. Heil, Inc Temporary Shoring: Safway Steel Products Caissons: Mahaffey Drilling Reinforcing Steel: J. L. Davidson Concrete: Tony Servera Co., Inc.

Shotcrete: Structural Shotcrete Systems & Shoring
Masonry: Masonry Concepts, Inc.
Structural & Miscellaneous Steel: Milco Constructors, Inc.
Metal Decking: Anning-Johnson Company
Doors, Frames & Hardware: Montgomery Hardware
Coiling Doors: Cookson Door Sales
Glass & Glazing: Woodbridge Glass
Drywall/Plaster: Raymond Interior Systems
Acoustical Ceiling: Sound Control Company
Acoustic Canopy: Mice Creative
Sun Shade : Jim Miller Canvas
Turntable: Westmont Industries
Audio: ATK Services, Inc.
Sound Designer: Fred Vogler
Hydraulic Elevators: Schindler Elevator Corp.
Fire Protection: SimplexGrinnell
Plumbing: Don Brandel Plumbing, Inc.
HVAC: Los Angeles Air Conditioning, Inc.
Electrical: Dynalectric

6/7/04