GEOTECHNICAL/ MATERIALS TESTING SERVICES

ARGOSY CASINO
RIVERSIDE, MISSOURI

Location:	*Riverside, Missouri*
Owner/Client:	*Argosy Gaming Co.* *219 Piasa Street* *Alton, IL 62002*
Contact:	*Mr. Paul Keller* *(618) 474-7704*
Project Principal:	*John A. Baker, P.E.*
Project Manager:	*William "Casey" Jones, P.E.*
Date:	*Ongoing*

***Project Description*:**

In 2001, Geotechnology completed the geotechnical design services for a major expansion of the Argosy Casino complex located in Riverside, Missouri. The expansion includes an 8-story hotel, a parking garage, and relocation of the Boat-Casino into a man-made basin. Services currently in progress include quality control materials testing during construction of the expansion facilities, which is being performed from Geotechnology's branch office in Overland Park, Kansas.

In 1995-1996, Geotechnology, Inc., provided geotechnical design and construction related services for the original casino development. The project included mooring and docking facilities, a parking structure, a terminal building, bridge, floodwall, and miscellaneous peripheral structures. The site lies within the Missouri River floodplain on the bank of the Missouri River. Approximately 15 feet of fill was required to raise the site to planned finish grade. Cast-in-place augercast piles and driven piles were recommended to support the more heavily loaded structures. The ancillary structures were founded on shallow foundations constructed on the controlled fills placed on the site.

In 2004, Geotechnology provided geotechnical design services for a new parking garage and hotel at the existing complex. A portion of the hotel will be located within the footprint of the existing parking garage that will be demolished. Recommendations were provided for augered cast-in-place piles. Pile load tests were completed to confirm the design.

Construction observation services for the original casino complex included observation and testing of over 800,000 cubic yards of fill placement, and monitoring and testing of over 500 augercast piles. Testing of piles was performed using the Pile Integrity Tester.