

STRENGTHEN YOUR STRUCTURE

Grand Basin / Post-Dispatch Lake Reconstruction



Project Description

As part of the restoration of Forest Park in St. Louis, the Grand Basin and Post-Dispatch Lake were to be drained and the layers of silt from the lake floor were to be removed. The existing concrete structures of the Grand Basin were to be demolished and replaced with a combination of cast-in-place concrete structures and pre-cast stone work to achieve the same overall layout of the smaller Grand Basin that was constructed in the early 1900's just after the 1904 World's Fair closed. Working on a concrete project of the magnitude, with emphasis on architectural design, required a vast amount of preparation time and effort. In order to achieve the simulated stone appearance for the Basin walls, a specially designed form liner was prepared. The cast-in-place concrete structures above the Basin's walls were covered with pre-cast stone. It was critically important for the dimensions of the various features of the Grand Basin to be extremely accurate. The tolerances for these areas were in terms of $\pm 1/16$ inch. No concrete delivery was ever rejected for an improper mix of color tint in the architectural concrete for 100 to 120 cu. yd. of concrete pours on any given day.

Owner	Forest Park Forever
Architect	The HOK Planning Group
Engineers	CH2M Hill
General Contractor	BSI Constructors, Inc.
Ready Mix Supplier	Riley Ready Mix & Materials
Subcontractor	Concrete Forming, Inc. Select Steel Services
QC / QA Firm	Geotechnology, Inc.

CONCRETE COUNCIL

8000 Maryland Ave., Suite 1320
St. Louis, MO 63105
(314)862-0324
www.concretecouncil.com