

Project: Los Angeles County Drainage Area (LACDA)

PI: Chuck Tate

Branch/Group: Inland Hydraulic Structures Branch, Environmental Hydraulics Group

Project Description/Activities/Capabilities:

The Los Angeles County Drainage Area (LACDA) model study included approximately 20 miles of the Rio Hondo and the Los Angeles River downstream of Whitter Narrows Dam. Of 27 bridges identified by numerical analysis during the Feasibility Study as needing to be replaced, 21 bridges were saved due to the physical model study for a saving of over \$200 million. This saving was the result of identifying bridges that could safely pass the new design flow and developing modifications to other bridges to safely pass the flow. Five models were used to reproduce the entire length with the longest model being 630 ft.

Sponsor: Los Angeles District, POC David Cozakos

Personnel: Chuck Tate, John Ashley, Van Stewart, Tem Murphy

Project Location and Description:

Facilities: Bldg. 5016

Related Topic Areas: Physical models, high velocity channels



