



Flood Control District

of Maricopa County

2801 West Durango Street
Phoenix, Arizona 85009
Phone: 602-506-1501
Fax: 602-506-4601
TT: 602-506-5897

FOR IMMEDIATE RELEASE
For more information please call:
Gant Wegner
(602) 506-7841

THREE MAINTENANCE PROJECTS ENSURE CONTINUED FLOOD PROTECTION AND COMPLIANCE WITH AIR QUALITY STANDARDS

Arizona Canal Diversion Channel, East Maricopa Floodway and Guadalupe Flood Retarding Structure Receive Efficiency and Environmental Enhancements

PHOENIX (Oct. 5, 2011) – The Flood Control District of Maricopa County completed three maintenance projects to repair a landmark urban flood control channel, improve maintenance access at a flood control dam system, and minimize dust along a 20-mile-long maintenance road to comply with stringent federal air pollution reduction standards.

The Arizona Canal Diversion Channel (ACDC) in central Phoenix and Glendale, a 25-foot-deep, 17-mile-long concrete-lined channel completed in 1993 that captures stormwater along the north side of the Arizona Canal, was the site of the most significant project. Inspections in 2007 by District O&M staff noted that some of the side drain pipes which allow stormwater to enter the channel were damaged and not functioning properly. District O&M crews facilitated temporary repairs, followed by a comprehensive repair project designed by District engineers for a permanent solution to the issue. Over the course of more than two years, the District and its contractor repaired 64 side drain pipes. This repair project ensures the ACDC will continue to provide dependable flood protection for years to come.

Two paving projects were completed to keep the District's maintenance operations in compliance with air quality standards regarding PM-10 particulate matter, the major component of air pollution in Maricopa County.

At the Guadalupe Flood Retarding Structure, a system of three earth-filled dams in Phoenix near the intersection of I-10 and Guadalupe Road, the top of the dam was paved to provide all-weather access. Not only does the pavement reduce dust, it improves the ability of District maintenance crews to drive along the top of the dam to perform regular maintenance and safety inspections.

A second paving project occurred along the East Maricopa Floodway, a more than 20-mile-long flood control channel which runs through Mesa and Gilbert. A chip seal coat was placed over the maintenance road to eliminate dust generated by maintenance vehicles.

The Flood Control District of Maricopa County is tasked to provide regional flood hazard identification, regulation, remediation, and education to Maricopa County residents so that they can reduce their risk of injury, death, and property damage from flooding, while still enjoying the natural and beneficial values served by floodplains.

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