



Buckeye Flood Retarding Structure No.1 Rehabilitation Project

Buckeye Watershed Project:

The Buckeye Flood Retarding Structures (FRS) No. 1, 2, and 3, located just north of Interstate 10, are three earthen flood control dams that operate together to collect storm water runoff from the north and convey it west into the adjacent Hassayampa River. Construction of this system of three flood control dams and connecting flood channels known as the Buckeye Watershed Project was completed in 1975 by the Soil Conservation Service (now the Natural Resources Conservation Service, NRCS) under local sponsorship by the Flood Control District of Maricopa County (District) and the Arizona Department of Transportation (ADOT). Currently, the District operates and maintains the Buckeye Structures under operating agreements with NRCS. These structures have provided valuable flood protection for Interstate 10, agriculture, the Town of Buckeye and other downstream development and improvements for the past 30 years by intercepting storm runoff from the White Tank Mountains.

Buckeye FRS No.1 Rehabilitation Project:

Buckeye FRS No. 1, with a length of about 7.1 miles and an average height of about 26 feet, has a storm water storage capacity of approximately 6,345 acre-feet from 74 square miles of runoff from the western slopes of the White Tank Mountains. The Rehabilitation of Buckeye FRS No.1 involves the removal of dam safety deficiencies and improvements the overall safety of the dam and is ongoing. The major dam rehabilitation features include; a new material zone constructed within the dam embankment, raising the easternmost 2,400 feet of the dam by about 1.5 feet, and improvements to the existing emergency spillway and principal outlet works.

The study team also evaluated multi-use opportunities such as wildlife habitat, enhanced vegetation, trails and recreation for inclusion into the project.

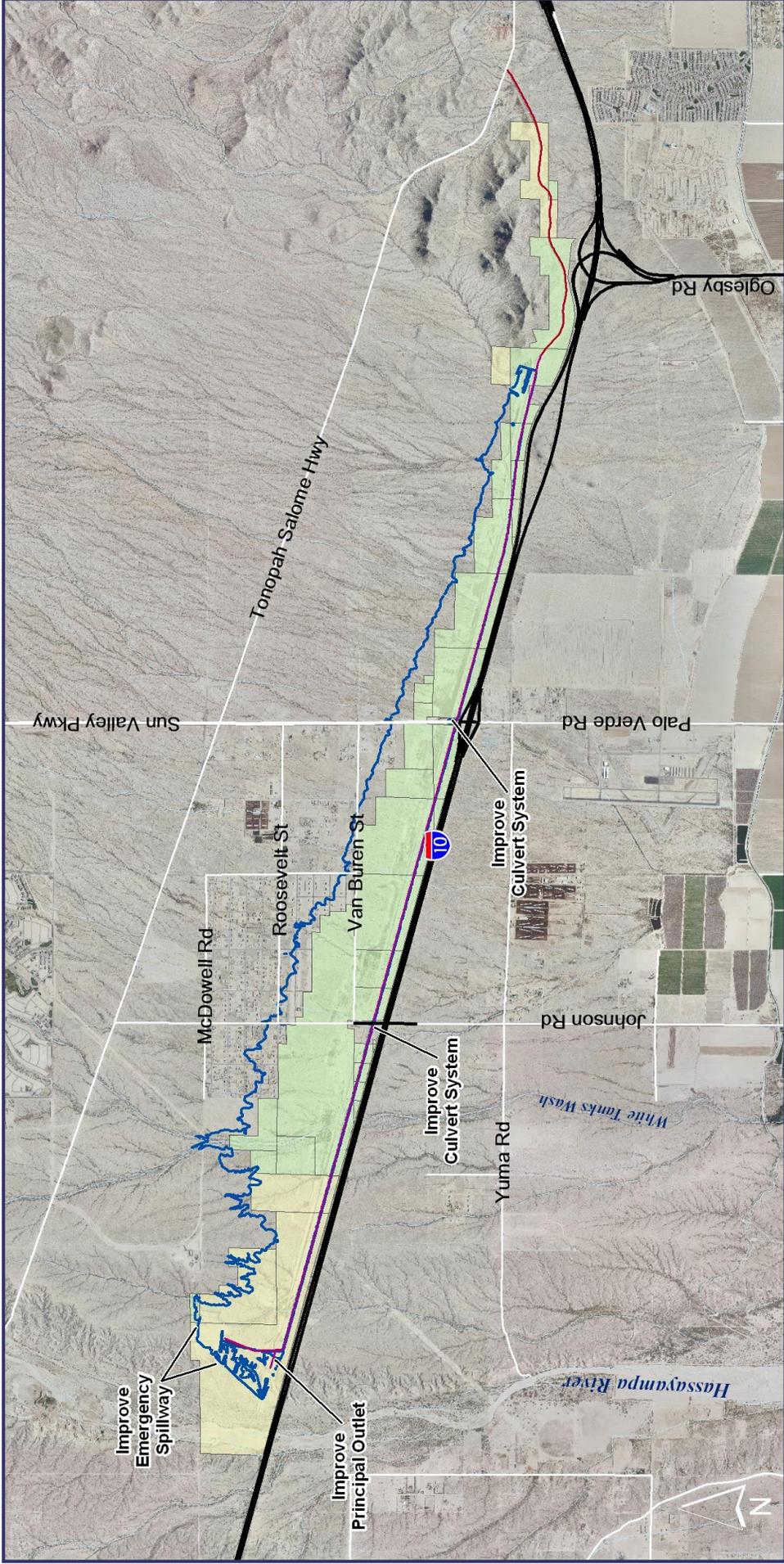
Stormwater Storage: approximately 6,345 acre-feet from 74 square miles of runoff from the western slopes of the White Tank Mountains

Estimated Project Schedule

Final Design 2009 – 2015
Construction 2013 – 2017

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Map not to scale.