

**FINAL PUBLIC NOTICE
CITY OF PHOENIX, ARIZONA
MANDAN STREET
FLOOD CONTROL PROJECT**

PDMC-PJ-09-AZ-2017-004

The U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) proposes to provide federal financial assistance under the Hazard Mitigation Grant Program to the City of Phoenix in Maricopa County, Arizona, to mitigate the impact of flooding to homes in the Ahwatukee neighborhood by constructing a drainage channel at the edge of South Mountain Preserve (proposed action). Pursuant to Executive Order 11988 (Floodplain Management) and FEMA's implementing regulations at Title 44 of the Code of Federal Regulations Part 9, FEMA hereby provides interested parties with a notice of its final decision and an explanation of the alternatives that were considered.

The purpose of the proposed action is to mitigate the flooding of existing homes in the Ahwatukee neighborhood. The proposed action consists of constructing a concrete-bottom conveyance channel to convey runoff to an existing channel, grading the new channel backslope, and revegetating with hydroseeding. Redirecting drainage through the construction of a trapezoidal channel aligned behind the affected properties such that the top of the channel bank will be two feet west of existing property line walls. The channel will vary in width up to 63 feet wide with a varying depth up to approximately six feet below ground surface.

The project area is depicted on the FEMA Flood Insurance Rate Map (FIRM), Map Number 04013C2705L, effective date October 16, 2013. The proposed action lies within Zone X, an area that has a 0.2-percent probability of flooding every year. A map of the project area and its location within the floodplain is available for public inspection. Parties interested in receiving a copy of the map should contact the FEMA Region IX Environmental Officer using contact information provided in this notice.

Three alternatives to the proposed action were considered: Alternative 1 - Structural Floodwall; Alternative 2 - Channel and Ha Ha Wall; and Alternative 3 - No Action. Alternative 1 would require constructing an above grade floodwall to intercept and divert 100-year flows south to the existing outfall channel. This option was rejected due to cost and the undesirable impact of impeding the views from the residential backyards facing the South Mountain Preserve. The mountain views from these lots is a significant factor in their economic value. Under Alternative 3, no improvements would be made, and the Ahwatukee neighborhood would continue to experience recurring flood damage. Alternative 2 is the preferable option since

the desired 100-year level of protection can be achieved without impacting the views of the South Mountain Preserve and at a cost that is less than Alternative 1. FEMA has determined that the proposed project is the only practicable alternative available; therefore, a portion of the proposed action must be located in the floodplain. The proposed action would have no significant adverse impact on the floodplain and would benefit the area by reducing the risk of flooding and flood damage. Therefore, measures to minimize impacts on the floodplain are not necessary. The City of Phoenix has declared that the proposed action conforms to local floodplain standards, and is responsible for the management, construction, and maintenance of the proposed action.

Additional information about FEMA's proposed action may be requested by writing the FEMA Region IX Environmental Officer at FEMA, 1111 Broadway, Suite 1200, Oakland, California 94607, or fema-rix-ehp-documents@fema.dhs.gov, or calling (510) 627-7027. All requests should be received no later than March 12, 2019. No action will be taken before this date.