

French Creek Drainage Study

Bexar County (San Antonio), Texas

The Bexar County Flood Control Program authorized CobbFendley to study the feasibility of placing several detention ponds along the Upper French Creek watershed (near the intersection of Loop 1604 and Bandera Road) in northwest Bexar County to mitigate the cost and size of the future bridge crossings S. Hausman, Prue, N. Verde and S. Verde Roads over French Creek. The planned bridge project cost was determined to be the limiting factor for the detention pond project, therefore several detention pond alternatives were considered to determine if any combination of the proposed ponds could provide a cost savings to the planned bridge/culvert improvement projects. It was found to mitigate the flood to acceptable levels would cost \$21.6M in pond construction which exceeded the cost estimate of the planned bridge improvement projects of \$16.7M. This analysis proved that construction dollars will be better utilized in the improvement of the bridge crossings instead of the construction of ponds to mitigate the flood.

Project Size:

Study area includes 80 acres of surface pond

Completion Date:

January 2012

