



# FEMA

## County, Residents Partner with FEMA to Secure Waterway

**Oakland, MI** - Thanks to a two phased grant Bloomfield Township applied for through FEMA's Hazard Mitigation Grant Program (HMGP), the Franklin branch stream bank is a highlight of the community rather than a safety concern.

The Rogue River in Southeast Michigan is responsible for draining over 438 square miles of the most heavily populated areas of the region. When one of its four main river branches, the Franklin branch, began to show signs of serious deterioration and erosion, businesses and residents near the river were threatened. Bloomfield Township applied for the two phased grant to study hydraulics and repair the stream bank.

The Franklin Stream Bank Stabilization Project focused on four areas of stream bank erosion along a one-mile stretch of the Branch. Each site was ranked a priority based on the threat to infrastructure.

This project focused on the use of innovative engineering alternatives that included brush mattresses, live staking, fascines, pools and riffles, and vegetated geocell retaining walls. The 100-year floodplain elevation was not increased at any of the project sites. In addition, this project included an extensive reforestation phase. Among all four sites, a total of 911 new trees were planted.

At the onset of the project, a significant amount of effort was taken to ensure that resident concerns were addressed during the design of the project. The engineering innovation and cooperation of all stakeholders involved in the project is witness to the importance and success of the Franklin and 14 Mile Road Project.

The stream bank was stabilized and the safety of the buildings and residents in Bloomfield County has been insured in a cost-efficient, community-friendly manner.



Oakland County, Michigan



### Quick Facts

- Year: **2000**
- Sector: **Public**
- Cost: **\$2,143,512.00 (Estimated)**
- Primary Activity/Project: **Flood-proofing**
- Primary Funding: **Hazard Mitigation Grant Program (HMGP)**