



**Clean Michigan Initiative
Nonpoint Source Grant**
1999-0056

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Rouge River Improvement - Ford Field Bridge
May 15th 2002 - November 14th 2003

The Rouge River Watershed is 280,320 acres in size and is divided into several sub-watersheds within Wayne and Oakland Counties. The Lower 2 sub-watershed occupies approximately 32,640 acres and includes the City of Dearborn. Land use within the watershed is 89% urban, 10% agricultural and forested, and 1% wetlands. Ford Field is located on the Lower Rouge River. The water quality within the Lower Rouge River is poor. The Lower Rouge has relatively high nutrient concentrations, both upstream and downstream of Ford Field. Total suspended solids and bacteria values are high, while dissolved oxygen levels are low. Extreme fluctuations in flow impair the river, destroying fish and aquatic insect habitat by increasing stream bank erosion and creating a wide, shallow stream bed. Loss of fish and wildlife habitat is considered to be an impairment in all branches and tributaries of the Rouge. The goal of this project was to replace an undersized bridge that was impeding flow and causing sedimentation.



Grant Amount: \$ 561,216
Match Funds: \$ 187,072

Total Amount: \$ 748,288



Best Management Practices:

- Replaced one culvert with man-made clear span bridge
- 1900 linear feet of streambank stabilized with fascines (bundles of plants), coconut fiber rolls, and riprap

Annual Load Reductions:

- 15 tons sediment



Ford Field Bridge After: Rock riprap, live fascines and coconut fiber rolls were installed to stabilize the streambank. Approaches and sidewalks were installed to limit foot traffic erosion. The sidewalks, approaches, and cover on the bridge were not paid for with grant funds, nor as part of the match.



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Ford Field Bridge After:
The old culvert was replaced with a man-made clear span bridge that allows free flow of water under the bridge.

