



DEQ
Michigan's
Nonpoint Source
Program

**Clean Michigan Initiative
Clean Water Fund Grant
2007-0122**



City of Battle Creek

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State Street Parking Lot Project

March 1, 2008 through June 30, 2010

The State Street Parking Lot project was undertaken by the City of Battle Creek to reduce storm water runoff volume for erosion and flood control and to reduce phosphorus and sediment pollutant loadings to the Battle Creek River. The Michigan Department of Natural Resources and Environment (MDNRE) identified the Battle Creek River as a leading contributor of sediment and phosphorus to the Kalamazoo River, which has an USEPA-approved phosphorus TMDL. The 2.2-acre site redesign was unique because it incorporated Low Impact Development in the highly visible and frequented area of Battle Creek's "Cool City" designated downtown overlooking the Battle Creek River. The redesign factored improved storm water quality, downtown revitalization goals, enhanced community festivals, and increased educational opportunities.



Grant Amount: \$350,460.00

Match Funds: \$382,027.55

Total Amount: \$732,487.55



Kalamazoo River
Watershed

Best Management Practices:

- Installation of two rain gardens

Annual Pollutant Load Reductions:

- Sediment - 1.5 tons
- Nitrogen - 34 pounds
- Phosphorous - 6 pounds



Partners involved:

- City of Battle Creek
- The Battle Creek/Rice Creek Watershed Project
- Calhoun Conservation District
- Battle Creek Downtown Development Authority and the Downtown Partnership
- Downtown Parking Advisory Committee



I&E Activities:

- Presentations to groups
- Newspaper Article
- Public tour
- Signage





Project Area Before: The photo shows the State Street parking lot before construction began.



Project Area After: The photo shows the parking lot after construction was completed.



Signage installed at both rain garden locations.



The photo shows both rain gardens constructed during the project.



The State Street parking Lot project design.