



Washtenaw County Green Infrastructure Planning

January 1, 2012 through February 28, 2014

Washtenaw County, lying primarily within the Huron River watershed, includes several urbanized areas with high percentages of impervious surfaces. Stormwater runoff from this developed land is the source or a contributing source of impairment of uses in the Huron River and numerous tributary streams. These water bodies are impaired for phosphorus, pathogens and poor biota. Green Infrastructure (GI) practices across target urbanized areas could reduce these impairments. HRWC and partners developed a set of planning tools to identify existing GI projects, prioritize future project opportunities, identify GI development barriers, and educate local managers about important GI design, development and maintenance aspects.

Grant Amount: \$ 66,344

Match Funds: \$ 12,419

Total Amount: \$ 78,763

Project Highlights:

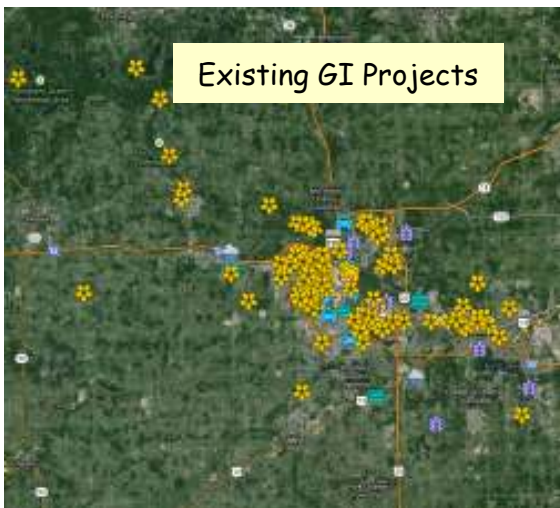
- Web map of existing GI projects
- GI Fact Sheets (linked to site map)
- Report on Barriers to GI Development
- GI Opportunities Maps
- Opportunities Map Guide
- "Green Street" Design
- 3 County GI Forums
- GI resources and forum web pages
- GI Education Strategy

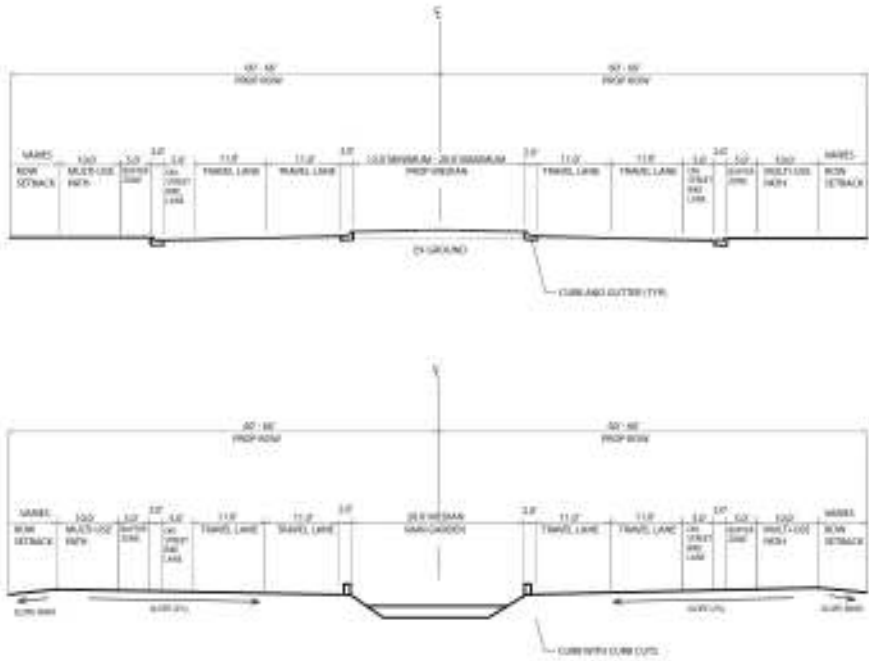


Partners:

Washtenaw County:

- Water Resources Commissioner
- Road Commission
- Parks and Recreation
- City of Ann Arbor
- Village of Dexter
- Ann Arbor Township
- Pittsfield Township
- Superior Township
- Ypsilanti Township
- Eastern Michigan University
- University of Michigan
- Veterans Administration Hospital
- Cardno JFNew
- Insite Design
- Stantec Engineering





State Street reconstruction in Ann Arbor: Conventional design proposed by Washtenaw County Road Commission, with road runoff directed through curb and gutter to county drain.

Green Infrastructure Design: Simple changes in slopes directing road runoff to inverted center median with bioinfiltration.



Perspective view on Green Infrastructure design for State Street reconstruction showing bioinfiltration median with runoff through curb cuts into storage cells separated by check dams. Storage is sufficient to capture more first flush road runoff.

Map of prioritized Green Infrastructure project opportunities in the Ann Arbor-Ypsilanti corridor by project type and ownership class.

