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RiverCare™

Baldwin River & 40th Street Restoration
Pere Marquette River Watershed
2012

The Baldwin River flows from the Luther Swamp, one of the largest wetland complexes in the PM Watershed. The Baldwin River is one of the main tributaries that make up the headwaters of the Pere Marquette River. In 1883 and 1884, it was the Baldwin River that received the first stocking of brown trout in the U.S. The Baldwin River is about 12 miles long and site #L-26 is where 40th Street Bridge crosses the river. Long approaches on the rural road combined with the unstable embankment where the river flowed along 40th Street were problematic and contributed excessive sediment to the stream. Streambank stabilization efforts, paving the sloped approaches, and guardrail installation provide for a more stable location and a safer roadway.

Project Cost:
$121,721 incl. match

Contributors:

- **USDA Forest Service - ARRA**
- **Lake County Road Commission**
- **Conservation Resource Alliance**

Location
Section 36 Webber Twp.
Lake County, MI
N43.915257 degrees
W85.818139 degrees

Best Management Practices:

- Stabilization of 200' streambank with 90 cubic yards of fieldstone
- 1,200' of paving & curbing approaches
- 8 spillways
- Guardrail

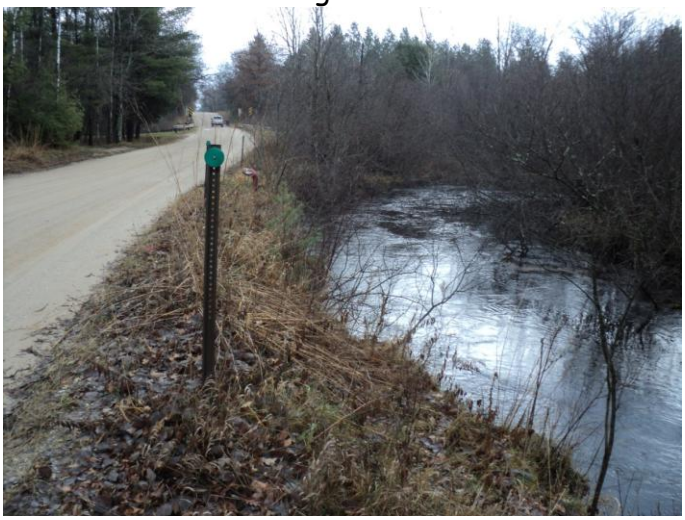
Project Benefits:

- Halt annual input of up to 4 tons of sediment from road into the river
- Halt streambank erosion
- Ensure safe roadway for vehicle traffic

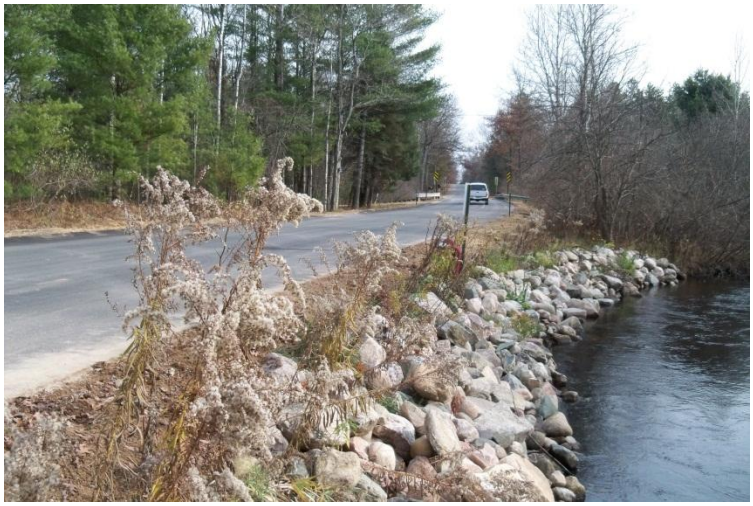
Partners involved:
The Pere Marquette River Restoration Committee including the following: USDA Forest Service, Conservation Resource Alliance, Lake County Road Commission, Pere Marquette Watershed Council, Michigan Department of Environmental Quality, Michigan Department of Natural Resources, and Wilcox Professional Services.

#L-26 Baldwin River and 40th Street – 2012 Construction

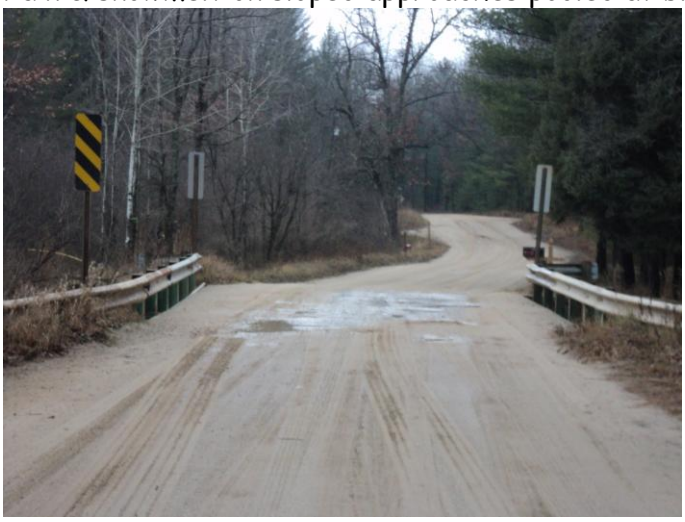
Baldwin River runs along 40th Street

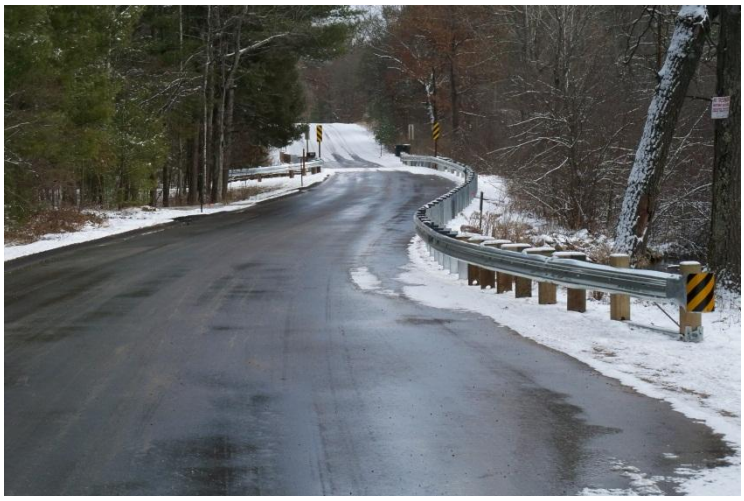


Fieldstone placement now stabilizes the streambank



Rain & snowmelt on sloped approaches pooled at bridge. Now pavement & curbing limit & control runoff.





Sand from the road constantly washed into the river; 8 spillways now help direct runoff into uplands.