

Street Sweeper Located Throughout Area

PROJECT BACKGROUND

The City partnered with Benton SWCD to purchase a regenerative air style street sweeper using a Clean Water Legacy Grant through the Board of Water and Soil Resources. The virtually dustless, regenerative air sweeper uses high velocity air to dislodge sediment and debris from the road surface. The material is stored in the hopper until the unit is emptied. A targeted street sweeping schedule was developed to optimize removal rates to keep sediment and other pollutants from entering the Mississippi River. The 367 acre watershed is split into three priority zones that are swept according to water quality needs. Sweeping is focused in the area to improve fine dust particle removal from the streets.

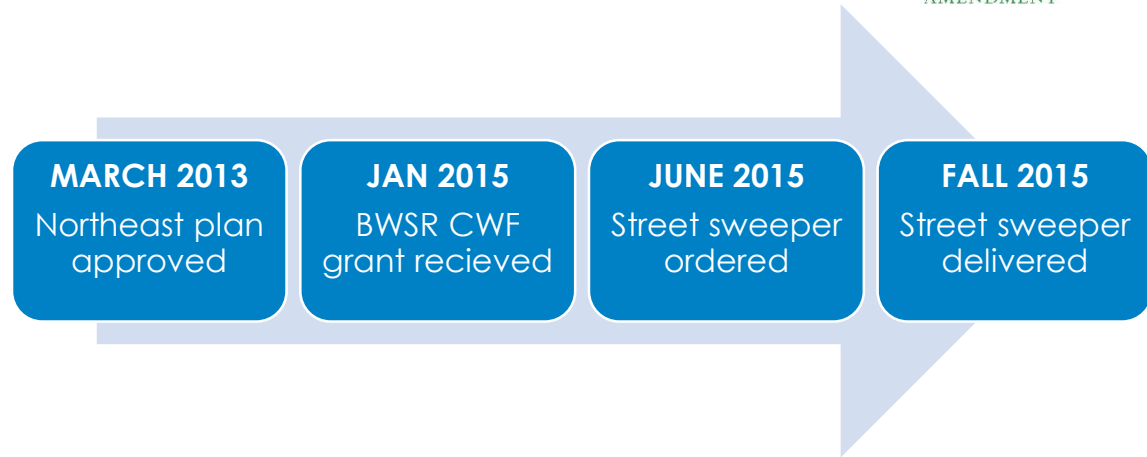
PROJECT SUMMARY

- Street Sweeper Cost: \$271,000.
- Grant Funded Cost Portion: \$135,500.
- Began using the new style street sweeper Fall 2015.

PROJECT LAYOUT



PROJECT SCHEDULE



SUSTAINABILITY BENEFITS – Street sweeping removes pollutants before they can reach the Mississippi River.

Estimated Annual Pollution Reduction

2.0 pounds of phosphorus

7,400 pounds of solids