

WINGRA CREEK PARKWAY – PHASE 3

The Wingra Creek Parkway – Phase 3 project will address the section of channel between the railroad bridge near Baird Street and the Olin Avenue Bridge, which is approximately 2000 feet of channel. The existing channel is approximately 65 feet wide, straight, and shallow. The creek banks have been sloughing into the channel at an approximate rate of 4 inches per year (total loss from both banks). The goal of this project will be to stabilize the banks and restore riparian aspects to the channel.

In late 2014, the channel will be dredged and littoral shelves will be constructed in a meandering pattern. Due to its poor quality, the dredged material will not be used to construct the littoral shelves; they will be constructed with clean, imported fill. The shelves will be constructed at an elevation that will act as a flood plain and will be planted with native, flood-tolerant vegetation. The banks of the channel will be armored with 9-inch to 12-inch glacial stone riprap. In approximately two locations, the littoral shelves will be replaced with floating wetlands. The floating wetlands are a purchased product; this will be the first installation in Madison.

In addition to the littoral shelves and floating wetlands, the project will install two water access points, which will consist of a 30-foot long section cut, limestone steps. One access will be installed on both the north and south side of the channel. Fishing access, consisting of short sections of cut limestone, will be installed at two storm water outfalls along the channel.



Existing channel as seen from the Olin Avenue Bridge.



Overview of project area.



Mock-up of littoral shelves.