

# OAK BAY ROAD CULVERT REPLACEMENTS

**Jefferson County Public Works** completed two stormwater culvert replacement projects on Oak Bay Road in April, 2011. The projects were located at Milepost (MP) 8.947 and MP 9.066 near the intersection with Scott Court. The purpose of both projects was to rehabilitate the existing culverts which were badly deteriorated and to eliminate ongoing maintenance problems. This work will reduce future maintenance costs and ensure the road's integrity.

## Oak Bay Road MP 8.947

The project at MP 8.947 constructed a new stormwater system parallel to the roadway. Stormwater was routed from the deteriorating cross culvert through new stormwater pipes to the inlet of an existing culvert adjacent to the project. The deteriorated cross culvert was then filled with grout and abandoned. The contract cost for this work was \$54,557.



The existing cross culvert under the road at MP 8.947 was badly deteriorated.



Final work included hydroseeding the construction area. The outlet of the new stormwater system is visible on the right.

## Oak Bay Road MP 9.066

The culvert at MP 9.066 was rehabilitated using the sliplining method. Sliplining is accomplished by installing a smaller pipe inside a larger, host pipe. In this instance, 155' of 16" diameter culvert lining pipe was inserted inside the deteriorating 36" diameter pipe that crossed Oak Bay Road. The contract cost for this work was \$22,586.



The original 36" diameter culvert under the road at MP 9.066 was badly deteriorated.



The newly installed, 'sliplined' culvert. The space between the two pipes is filled with grout and the ends sealed.