



Lumpkin County, Georgia

Public Works Department

Date: November 30, 2015

Agenda Item: Wahoo Creek Road

Item Description: Discussion of repair options for drainage options

Facts & Historical

Information: Wahoo Creek Road was accepted into the County Maintenance System in August 2000. Since acceptance there has been problems with the road and culverts washing out during large rainfall event. Attempts have been made to correct this problem several times. The road is constructed in a flood plain and runs alongside Wahoo Creek for most of its length (.8 miles). The road crosses the creek twice and has 5 cross drains.

Potential Courses of Action:

1. Continue repairing the road and culverts after each damaging storm event
2. Add additional 36" culverts at the east creek crossing and a 24" culvert in the low area west of Enloe road.
3. Raise the road to above the flood plain and add additional cross drains to allow the water to equalize on both sides of the road during large storm events.
4. Relocate the road on higher ground.

Discussion of COA's and budget impact:

1. The cost of this coa is based on the number of storm events and amount of rain in each event. It is estimated that it costs approximately \$2000 to \$2500 each time a repair is made.
2. The estimated cost of this option is \$4500. This option will minimize the damage to the upper half of the road during heavy storms.
3. The cost of this option is estimated to be \$270000. This will minimize the damage to the road during most all storm events. A drawback to this option is that if debris clogs the pipes during a major storm event, there will be a major washout of the road in the area of the plugged pipes. Also there is a problem with fill encroaching into the creek that has not been resolved by staff yet.
4. Relocating the road would cost approximately \$370,000. This option will require getting new right of way from several property owners.