

MEMO



TO: Blount County Commission

From: Highway Superintendent, Jeff Headrick

Date: December 1, 2022

Re: Capital Projects FY-23

1. Cloverhill Bridge Replacement

Number 1. Priority based on attached Tennessee Department of Transportation (TDOT) Bridge Inspection Report

Note – Sufficiency Rating: 26.2/100

2. Big Springs Bridge Replacement

Number 2 Priority – Based on attached TDOT Bridge Inspection Report.

Note: Sufficiency Rating: 48/100

3. Carr's Creek Tile Replacement

Number 3 Priority – Based on County Engineer's assessment of deteriorated structural condition of six foot diameter corrugated metal pipe (CMP). The tile has reached a critical condition – basically, the tile has deteriorated to the point of separation of the seams (see attached photos). Likewise, the tile has buckled and detached from the concrete headwalls, thus allowing the stone and asphalt to spill out into the stream. The roadway or travel lanes

have settled, creating a significant dip in the travel lanes. **Note – failure of this structure will isolate the citizens living above it since Carr’s Creek is a dead-end road.**

Due to the terrain and location of the stream, a by-pass rout of both in and out of the area is not possible.

Note – the optimum solution is to construct a clear span bridge to allow the stream to flow with minimal restriction. The Highway Superintendent has an agreement in principle with the National Park Service to use the old access road to the Foothills Parkway during construction of the new bridge.

4. Old Tuckaleechee Road Slide Repair number 4 priority – based on the County Engineer’s assessment of the slope failure. The Highway Superintendent has commissioned Geostabalization International (GSI) with designing and installing permanent measures to stabilize the slope. See attached technical report from GSI.

5. Nebo Road Slide Repair

Number 5 priority based on County Engineer’s assessment of the slope failure. Likewise, the Highway Superintendent has commissioned GSI with providing a technical solution to stabilize the slope. See attached technical report from GSI.

STATE AID

Bridge Replacement – Wildwood Road over Branch. This is a high priority project based on the attached TDOT Bridge Inspection Report. Note – **Sufficiency Rating: 42.9/100**

The Highway Superintendent has submitted an application to the TDOT Bridge Department to replace the structure using State Aid Funding. The project will be designed with anticipated construction in FY 24.