

Georgia Town Administrator

From: Tyler Billingsley <tyler@eastengineeringplc.com>
Sent: Thursday, October 24, 2024 2:58 PM
To: Paul Jansen; Georgia Road Foreman; Georgia Town Administrator
Subject: Bridge 8 Over Mill River on Georgia Shore Rd

Good afternoon,

Todd asked that I stop out to the referenced site yesterday for a quick inspection. As part of my review, I have also read the most recent bridge inspection report completed by the VTrans Bridge Inspection Team (Report from 7/27/2022). VTrans does a very good job with their 2-year inspection cycle and typically flags serious deficiencies or threats to the traveling public immediately.

A few thoughts/comments/suggestions:

- The bridge is superelevated, which leads to the vast majority of roadway runoff to the upstream side of the bridge. Deck drains discharge the water, however, it appears that some of the runoff water discharged splashes on/near Beam 1. This has caused some rusting/scaling, especially on the outside of the beam.
- The other 4 beams are in decent condition, given the age of the structure.
- You can't get rid of the deck drains adjacent to Beam 1 as the bridge is in the low spot. Plugging them would cause puddling, icing, and significant problems.
- The deck has had several rounds of concrete patchwork completed. This bridge will be due for a new deck in the future.
- The rust/scale is fairly shallow and the beam is not compromised or beyond repair at this time.
- No need to close the bridge or do an emergency repair at this time. However, the Town may want to start planning on a deck rehab (or likely replacement). When you have the deck torn apart, this is a good time to clean/paint Beam 1 to stop any additional corrosion and the other beams as well. Putting in better drainage to divert the water further away from Beam 1 should also be included in the design.

Please feel free to forward this email to any interested parties. And please let me know if you have any questions.

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