

Highway Emergent Needs Report

Town	Route	Bridge No.	District	Feature Crossed	Structure Type	Initial Report
Readsboro	VT100	25	1	Dearfield River	Bridge	8/30/2022

Initial Report Generated by: AMB

Issue: Upstream stringers at abutment 2 have extensive section loss in the web

Background: On 4/12/2022 AOT Bridge inspection team performed the 12 month inspection on this structure. The stringers have heavy rust scale at the abutment ends w/ small slotted perforations (1"- 3") in the webs in many areas. The upstream stringers at abutment 2 have extensive section loss. The exterior stringer has a 47" slotted perforation and 2"+/- of depth, and the first interior stringer has much of the beam end gone w/ settlement, the length of the perforation measuring 46", and what remains of the beam end now resting on the second floor beam. The upstream stringer at floor beam 10 (from abutment 2) has deep pitting w/ 1/4" of section loss in the lower area of the web and a 3" perforation in the exterior of the bottom flange.

There is a programed project for this however a temp repair will be needed until such time. It will be many years before the perminate project actually goes to construction.

During a recent bridge maintenance task team meeting Jim, Carolyn, Sven, Jeremy, Shane, Spencer, Chris, evaluated the risk and temporary measures.

Risk Classification: Critical; Section loss in stringers is in an area where they could crush. With the geometry of the bridge in this area the deck is able to help distribute live load to other members. If there is additional deterioration on that causes other problems the risk will be

Funding Source: State funds (very inexpensive temporary solution)

Actions Taken to Date:

Action Item	By Whom	Date	Comments
Meeting	Carolyn, Jimmy, Sven, Spencer, Shane, Chris	9/15/2022	The problem was brought to the attention of Structures and Bridge Maintenance and the decision was made that blocks would be added as a temporary shoring until the programed project comes through.
Risk Identified	Bridge Maintenance Task Team	9/15/2022	Deemed Critical
Project Lead	Sven with District	9/15/2022	Once Sven and Jim finalize repair detail Sven will work with the district.
Temporary Repair Treatment	Bridge Maintenance Task Team	9/15/2022	Temporary support added to the stringers until project can be built.
Record Plans	Spencer	9/16/2022	Spencer will provide photos and as built plans to Jim and Sven to come up with repair details

Next Steps:

Action Item	Responsible Group	Deadline	Comments	Status Update/Date	Completed
Finalize Repair Detail	Jim and Sven	9/23/2022	Jim and Sven connecting to finalize the detail.	In Progress	
Install Temporary Supports	Sven with District	90 Days	District Maintenance Forces	TBD	
Notification of Work Completed	Sven	90 Days	Notifying AMB and Structures that work has been completed	TBD	

Last Update By: S. Howard 9/16/2022

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