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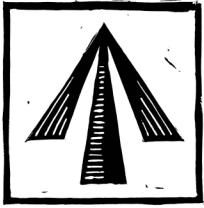
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Proposal for the rectification of bearing defect found by VTrans on the Holmes Creek Bridge of Charlotte.

03/01/24

The cost of this work is \$6,450. Because of the small scope of the project, we would be able to fit this work into our schedule within one month of acceptance of the bid, if not sooner. Vermont Heavy Timber LLC is a fully insured timber frame restoration contractor based in Huntington Vt. We specialize in working on timber trusses such as are in churches and covered bridges, and also have extensive experience jacking and moving buildings. We would be able to effect the repairs to the bridge safely without interrupting the flow of traffic. The details of the work are as follows:

- We would strip some small amount of wall sheathing as necessary to access the southwest corner of the bridge.
- The dirt that has built up on top of the south abutment around the chords and bearing blocks would be removed.
- The south end of the west chord would be jacked up as shown in the Trans report, and four new bearing blocks would be installed. One between the end of the chord and the abutment, and the other three below the chord as shown in the report.
- The bearing blocks that we install are white oak, which are surface charred to create a layer of carbon that resists rot and insect damage, and then oiled on side grain surfaces and waxed on end grain surfaces. The bearing blocks are set on 24 gauge copper, which acts as an antimicrobial moisture barrier between the concrete and the wood.
- If we can jack the chord enough to both support the bottom of the first joist on the south end of the bridge and take up the ~2" gap between the



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joist and bridge deck we will. If conditions prevent jacking up the chord and joist enough to fully support the bridge deck, we will install blocking as specified by the VTrans report.

- The east end of the first joist on the south end of the bridge is barely supported by the east chord, and is on the edge of falling off. We will add further support for the joist to provide full bearing.
- The removed sheathing will be re-installed, and any disturbance from the work will be cleaned up.