

Hubbard County Highway Department

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January 22, 2019

Honorable Board of County Commissioners
Hubbard County
Park Rapids, MN 56470

Dear Board of Commissioners:

RE: 2018 Bridge Inspection and Rating

In compliance with State and Federal law, we have performed an inspection and evaluated the 2018 rating of the structural integrity of all bridges in the County with a ten foot span or greater.

State and Federal Law has changed allowing some structures to be inspected at different frequencies. All lower (poor) rated structures are inspected every 12 months and bridges in good condition are inspected every 24 months. Newer culverts with better ratings are inspected every 48 months.

The trunk highway structures and D.N.R. designated trail structures are not inspected by Hubbard County.

This is a summary of the findings.

C.S.A.H. System (32 bridges)

Thirty two bridges on the C.S.A.H. system are capable of carrying a legal load, with one being considered substandard as to load carrying ability:

C.S.A.H. System (32 bridges) continued

Bridge No. 29501 (C.S.A.H. #16 - 3.0 Mi. E. of JCT. C.S.A.H. 36)
This timber bridge was built in 1962 and is rated as being in fair condition for the age of the structure. The timber substructure has decay, splitting, cracking or crushing that has produced loss of strength, but not of a sufficient magnitude to affect the serviceability of the bridge. This bridge is designed and waiting for construction funding to become available. (2020 or 2021)

Bridge No. 29505 (C.S.A.H. #13 - 2.1 Mi. E. of JCT. C.S.A.H. 17)
This bridge was built in 1966, and is in fair condition. This bridge has precast concrete channel spans, which have concrete spalls, or pop outs, with rebar visible. The timber pilings have some interior rot and decay present. This bridge will need to be replaced in the near future. A new load rating was done in 2012.

Bridge No. 29502 (C.S.A.H. #40 - 1.0 Mi. E. of JCT. TH 71)
This bridge was built in 1962 and is in fair condition. The timber structure has decay, splitting, cracking or crushing present. This has produced some strength loss, but not of a sufficient magnitude to affect the serviceability of the bridge. This bridge is designed and waiting for construction funding to become available. (2019 or 2020)

Bridge No. 29513 (C.S.A.H. #33 - 2.1 Mi. E. of JCT. TH 34)
This bridge was built in 1937 and reconstructed in 1981. This structure is in fair condition. This bridge has concrete deck and beam construction. The abutments are of concrete, and have some cracks and spalls present. A new load rating was done in 2012. This bridge does require a load posting.

County Road System (15 bridges)

All bridges on this system are adequate for legal loads.

Municipal (2 bridges) - Park Rapids

Bridge No. 95575 (Forest Ave. City of Park Rapids)

The culvert structure was built in 1982 and is capable of carrying legal loads.

Bridge No. R0225 (Pedestrian)

The footbridge over the Fish Hook dam built in 1983 is in good condition, but does need some minor repairs and maintenance performed.

Township Road System (11 bridges)

All bridges on this system are considered capable of legal loading, but two are substandard as to width and alignment. Repairs are needed on some of these bridges.

NEVIS TOWNSHIP

Bridge No. L8222 (TWP. RD. - 0.1 Miles S. of JCT. C.S.A.H. 18)

This timber bridge was built in 1965 and is in fair condition for the age of the structure. The timber in this structure has some decay, splitting, and cracking present. More riprap is needed along the road slopes.

A new load rating has been done on this bridge in the summer of 2014. No load posting is needed on the bridge at this time. The township is working on replacing this bridge in the future.

STRAIGHT RIVER TOWNSHIP

Bridge No. 170 (TWP. RD. - 0.7 mi. N. of JCT. T.H. 87)

This bridge was built in 1911 and remodeled in 1926. This structure is in fair condition for its age.

Straight River Township had a new load rating done on this bridge. No load posting is needed on the bridge at this time. The county has recommended the signs on this bridge be replaced.

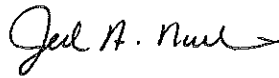
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State Forest Road (1 bridge)

This one lane structure was built in 1982 and is capable of carrying legal loads. Two of the wing caps will need replacing in the future.

A detailed summary of the 2018 inspection findings has been sent to all affected township and city officials.

Sincerely,
Hubbard County Highway Department



Jed A. Nordin
County Engineer

cc: Kay Rave, County Auditor