

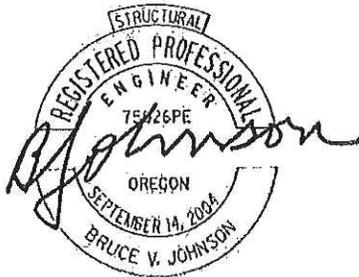
14 NOV -6 P4:20



TECHNICAL SERVICES BRANCH
Bridge Engineering Section
Office Phone: (503) 986-4200
Fax Phone: (503) 986-3407

October 31, 2014

TO: John Phelan
Road Department Director
Yamhill County
2060 Lafayette Avenue
McMinnville, Oregon 97128



FROM: Bruce V. Johnson, P.E., S.E.
State Bridge Engineer

SUBJECT: **Load Restriction Recommendation
Palmer Creek, Palmer Creek Road (Br. No. 11795A)
Yamhill County**

Palmer Creek, Palmer Creek Rd Bridge (Br.No.11795A) is a seven span, 307 foot long, 28.9 foot wide, precast prestressed girder structure with a composite 6.5 inch concrete deck. The spans are simply supported. The structure was built in 1960. The September 2014 inspection report indicates the substructure is in "poor" condition. The inspector noted that there are several piles located at Bents 4A, 5A, 6A (both upper and lower piles) reduced to one inch shells due to rot. One pile at Bent 6B was noted previously to be reduced to a one inch shell. It was buried at the time of the latest inspection. The bridge is currently open to all traffic.

Due to the deteriorated condition of this bridge, we recommend the bridge be posted at 3 tons for all vehicles immediately. This is the minimum rating for a bridge to remain open and be in compliance with Federal Standards. This bridge will need to be closed by January 1st, 2015 if the bridge is not repaired.

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_Palmer_Crk_Br#11795A_103114.doc

Accepted by Yamhill County
Board of Commissioners on

11-6-14 by Board Order
14-682

Repairs

Replacement of lower Pile 1 at Bent 4a, lower Piles 1 and 9 at Bent 5A and upper Pile 8 at Bent 6A would allow this bridge to remain in service without load posting.

While not controlling the load rating, all upper piles at Bents 4A, 4B, 5A in state 3 condition and decayed lower Pile 5 at Bent 6A, lower Piles 3 and 9 at Bent 6B should also be repaired. Please refer to 2014 Timber Boring Report for piling numbering.

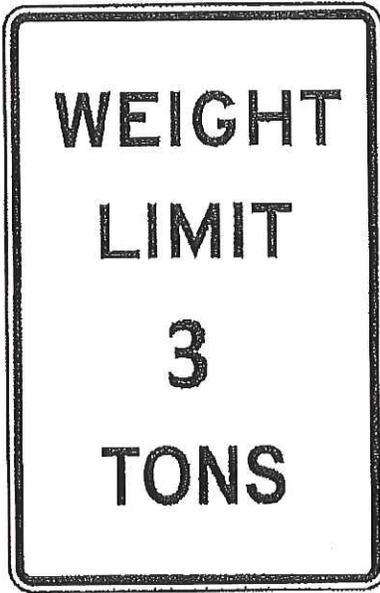
Posting Responsibility

ODOT recommends the bridge be posted for load immediately and be closed by January 1st, 2015 if the bridge is not repaired. It is ultimately the county's responsibility to have the structure posted. The posting signs should look like figure R12-1, as shown on the last page of this letter. In addition to placing posting signs at the bridge, signs should be placed at approach road intersections or other points where prohibited vehicles can detour or turn around.

To assist us in managing the bridge load rating program, please let us know when new posting signs are installed, or the bridge has been repaired. Contact Nam Bui, Local Agency Load Rating Engineer by phone (503-986-3382) or email (Nam.N.Bui@odot.state.or.us), for any questions on these issues.

cc: Bill Gille, Yamhill County Engineer
Bert Hartman, Bridge Program Unit Manager
Craig Shike, Bridge Operations Managing Engineer
Rich King, Local Agency Coordinator
Tim Rogers, FHWA Oregon Division Bridge Engineer
Holly Winston, Senior Local Bridge Standards Engineer

Weight Limit Signs from MUTCD figure 2B-20,
page 2B-44.



R12-1