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RE: Review of the WOO-Roche De Boeuf Interurban Feasibility Study

Mr. Geckle,

As we discussed, I have reviewed the subject study and the accompanying videos. Additionally, I have been to the site several times within the past year. Overall, the material provided accurately depicts the condition of the bridge, considers a wide range of options and examines the practical options. The objectives of the proposed project are safety, facility improvement, and historic preservation.

The report confirms, with appropriate petrographic analysis, what is visible: the super structure is in an advanced state of deterioration and none of it is suitable for reuse. Substructures get a brief, but reasonable consideration - they are the same concrete as the arches and will not be suitable for reuse. Thus, none of the existing structure is suitable for reuse.

In my opinion, the major item the report does not include are the costs of operating, maintaining and inspecting the rebuild options. These are difficult to estimate without knowing the type of structure, but will be a significant cost.

All of the practical options begin with complete removal of the existing structure. Prompt removal fulfills the safety objective. I find the report's recommendation to remove the crumbling bridge quickly and the rebuild, if and when funding is available, prudent.

If you have any questions, please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "Douglas K. Nims". The signature is written in a cursive style with a prominent initial "D".

Douglas K. Nims, Ph.D., P.E.

Professor Emeritus

University of Toledo, Department of Civil and Environmental Engineering