

## **RP 283 – Assessment of Asbestos Containing Materials in Idaho Bridges**

- Project Description:

The existence of Asbestos Containing Materials (ACMs) in bridge elements such as bearing pads, joints, abutments, concrete rails, and in some concrete coatings subject ITD to a compliance and liability issue especially when it comes to bridge renovations or demolitions. This project seeks to compile available information on past test results for Idaho bridges and use that information to better understand how frequently ACMs have been found and in what products. Researchers will develop a systematic methodology to review ITD’s past bridge construction and material specifications and the available bridge plans to determine if known asbestos containing materials were specified for use. They will develop an organized and accessible database for ACM information for future use by ITD staff.
- Project Objective:

The main objectives of this project include:

  1. Review the available as-built plans, construction specifications, schedule sheets of the bridges identified.
  2. Create and analyze a database of all known asbestos testing of bridges in Idaho to date. The database will report the materials’ location, quantity in square footage, condition, and recommendations to ITD personnel. All known asbestos test reports will be saved in a central location for future use.
  3. Summarize and compile the results obtained from objectives 1 and 2 in an accessible and readable format such as an Excel spreadsheet.
  4. Develop an efficient approach to sample a statistically valid set of bridges built from 1918 to 1980, which will help ITD personnel in making decisions on the presence of ACMs in those bridges.
- Estimated Completion Date: March 31, 2020
- Budget: \$60,000
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