



# Transportation Literature Search

Research and Library Services  
Wisconsin Department of Transportation  
[wisdotresearch@dot.state.wi.us](mailto:wisdotresearch@dot.state.wi.us)  
[library@dot.state.wi.us](mailto:library@dot.state.wi.us)

---

## Friction and Stainless Steel and Teflon Bearings in LRFD

Prepared for  
**Wisconsin Highway Research Program  
Structures Technical Oversight Committee**

**January 29, 2007**

*Transportation Literature Searches are prepared for WisDOT staff and principal investigators to heighten awareness of completed research in areas of current interest. The citations below are representative, rather than exhaustive, of available English-language studies on the topic. Primary online resources for the literature searches are OCLC's [WorldCat](#) and [TLCat](#), U.S. DOT's [TRIS Online](#), the National Transportation Library ([NTL](#)), TRB's Research in Progress ([RiP](#)) and other academic, engineering and scientific databases as appropriate. Links to online copies of cited literature are noted when available. Hard copies may be obtained through the WisDOT Library at [library@dot.state.wi.us](mailto:library@dot.state.wi.us) or 608-264-8142.*

### **SUMMARY**

In a search of the above databases and several others, we found one Research in Progress citation pertaining to bearings and their performance. The contact information may offer a lead to further information on the testing of friction characteristics of Load and Resistance Factor Design bearings, stainless steel, PTFE/Teflon, or otherwise.

### **KEYWORDS**

Bearings, bearing friction, coefficients of friction, stainless, steel, testing, finish, Teflon, PTFE, surface, LRFD.

### **RESEARCH IN PROGRESS**

**Title:** Evaluation of the Service Performance of Bridge Components

**Principal Investigator(s):** Ted Hopwood, Kentucky Transportation Center, 859-257-2501 or [thopwood@engr.uky.edu](mailto:thopwood@engr.uky.edu).

**Start Date:** 7/1/1997

**RIP URL:** <http://rip.trb.org/browse/dproject.asp?n=4303>

**Source Organization:** Kentucky Transportation Cabinet

**Contents:** The objective of this project is to review bridges of several specific types to identify the service performance of typical bridge components such as bearings and expansion joints.