TRB Low-Volume Roads (LVR) Literature

Since the early 1970s, Transportation Research Board (TRB) has shown great interest in low-volume roads, which are generally unsealed, gravel-covered roads. These roads are the first links in the transportation network that bring products of farm to market, minerals and timber from remote areas to processing plants, and provide access to schools and medical facilities in rural areas. Recognizing this importance, TRB conducted the First International Conference on Low-Volume Roads in 1975. TRB has organized and conducted a conference in the TRB Low-Volume Roads Conference series every four years since then. The conferences in this series are sponsored by the TRB standing Committee on Low-Volume Roads and have financial support from the following federal agencies in the USA: Federal Highway Administration, Forest Service, Bureau of Indian Affairs, and Army Corps of Engineers. For the recent conferences, Environmental Protection Agency and Fish and Wild Life Services have come on board as financial sponsors.

This document provides a summary of published TRB literature related to low-volume roads from 2003 to 2013.

Low volume roads


**Unsurfaced Roads**


**Unpaved Roads**


**Gravel roads**


Uys, Robbie, Truter, Llewellyn, & Van Zyl, Gerrie. (2011). "Various Additives Used as Alternative to Conventional Road Construction: Case Study of Main Road 269". *Transportation Research Record: Journal of the Transportation Research Board*, No. 2204, pp 179-185. doi: http://dx.doi.org/10.3141/2204-23


**Rural roads**


Mazzella, Alessandro, Piras, Claudia, & Pinna, Francesco. (2011). "Use of Kriging Technique to Study Roundabout Performance". Transportation Research Record: Journal of the Transportation Research Board, No. 2241, pp 78-86. doi: http://dx.doi.org/10.3141/2241-09


**Wooden bridges**


