

## **HR-179 Bridge Deck Delamination Study**

**Key Words:** Bridge decks, Delamination, Delamtect

### **ABSTRACT**

The Delamtect was introduced to the Iowa Department of Transportation through a 1975 Federal Highway Administration demonstration project. The Delamtect is a small mobile unit for conducting a rapid bridge deck survey to determine the extent of delaminations (subsurface fractures). Comparison of the Delamtect with manual sounding methods and drilled cores has demonstrated its reliability. This research has shown the Delamtect to be a more effective, more economical and safer method of surveying bridge decks than manual sounding methods. The Delamtect can also be used to provide a measure of the bond within membrane systems.