# **Road Conditions**

**Road Conditions** Motor-vehicle traffic conditions in the United States Report on Cincinnati Traffic Conditions to the City of Cincinnati, Ohio Preliminary Report on the Road Materials and Road Conditions of Oklahoma Road Conditions and Traffic Information Traffic Conditions in the District of Columbia **Road Conditions and Traffic Information** Traffic Conditions in the District of Columbia State System Road Conditions for Suburban Northeastern Illinois Elementary School Districts Road Conditions in Metropolitan Areas and the Impact on Motorists **Road Conditions and Accidents** Rural Road Condition Survey Guide **Improved Road Condition Reporting** Dakota County, Minn., Winter Road Conditions--pamphlets, Clippings, and Other Miscellaneous Materials Traffic Conditions in D.C. **Rural Roads and Bridges** Preliminary Report on the Road Materials and Road Conditions of Oklahoma, Vol. 8 (Classic Reprint) Maine Road Conditions and Official List of Highway Construction and Detours Public Roads The Federal Highway Trust Fund **Road conditions and traffic safety** Where the Weather Meets the Road Automated Vehicle Location (Avl) for Road Condition Reporting **Lincoln Highway** Method for Tracking Real Time Road Conditions **Highway Meteorology Road Conditions and Accidents in Winter** Motor Vehicle Traffic Conditions in the United States. Letter from the Secretary of Agriculture, Transmitting, Pursuant to Law, a Section of a Report on a Study and Research of Motor Vehicle Traffic Conditions in the United States Entitled "Nonuniformity of State Motor Vehicle Traffic Laws" ... In

Six Parts. Part I. Nonuniformity of ... January 3, 1938. -- Referred to the Committee on Roads and Ordered to be Printed with Illustrations Road Conditions and Safety of Two-way Automobile Traffic During the Hours of Darkness Speed Limit Procedures on Toll Roads Under Adverse Road Conditions

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#### 1911 Luther Crocker Snider

#### 1912 Ross W. Harris

1995 Curt A. Beckemeyer Developed to help provide a consistent means of assessing rural roadway conditions, both within a country and statewide. The roadway evaluation methodology described in this guide will provide county highway agencies with uniform and consistent means of defining pavement and roadway conditions. By adopting a standard approach to rating the observable condition of a pavement or gravel-surfaced road, local road agencies can uniformly and objectively compare pavement conditions. Illustrated.

#### 2004 Bryan Hahn

2004-05-01 National Research Council Weather has broad and significant effects on the roadway environment. Snow, rain, fog, ice, freezing rain, and other weather conditions can impair the ability of drivers to operate their vehicles safely, significantly reduce roadway capacity, and dramatically increase travel times. Multiple roadway activities, from roadway maintenance and construction to shipping, transit, and police operations, are directly affected by inclement weather. Some road weather information is available to users currently, however a disconnect remains between current research and operations, and additional research could yield important safety and economic improvements for roadway users. Meteorology, roadway technology, and vehicle systems have evolved to the point where users could be provided with better road weather information through modern information technologies. The combination of these technologies has the potential to significantly increase the efficiency of roadway operations, road capacity, and road safety. Where the Weather Meets the Road provides a roadmap for moving these concepts to reality.

#### 1920\*

1991 Allen Howard Perry Describes how to keep roads safe in bad weather using such new technologies as ice detection systems, thermal mapping, and weather radar. Also considers taking weather into account when routing new roads. For both highway engineers and meteorologists, cites examples mostly from Great Britain. Distributed in the US by VNR. Annotation copyrighted by Book News, Inc., Portland, OR

#### 1960 H. Hondermarcq

2004 Virginia. Department of Transportation. Office of Public Affairs

1938 United States. Bureau of Public Roads

1996 Norman Walzer

### 2000 Road Information Program

1957 American Bridge, Tunnel, and Turnpike Association

1923 United States. Congress. Senate. Committee on the District of Columbia

2009-04-01 Bob McCullouch This project developed an AVL system for INDOT that utilized the statewide wireless network, SAFE-T. This option was chosen after doing a cost analysis of commercial AVL systems that use cellular data communications. The system developed provides real time information collected during snow and ice removal. Information includes weather and road conditions, truck speed, amount of chemicals spread, time, location, plow position, and road temperature. This information is displayed on INDOT GIS maps available through a browser on the INDOT network. The data is also transferred to the MDSS that INDOT uses in winter activities. This system experienced significant data transfer problems and consequently was eliminated as a viable AVL alternative. Therefore other commercial AVL systems were evaluated in this study. Other activities included investigating other hardware options for data collection and data transfer. Also, a hotspot method for data transfer was tested to do batch data transfer. A summer AVL application for paint stripping was developed. Two other commercial systems were evaluated,

IWAPI and ThomTech. The IWAPI system was evaluated over three winter seasons and ThomTech for the 08-09 season. Both systems experienced data transfer problems which seems to be the biggest issue with AVL systems. Overall most users were satisfied with how the systems operated and with the information being collected and reported. The project exposed issues that exist with all types of AVL systems. There are plusses and minuses, and costs and benefits. These are described in the report. One outcome is that AVL systems are not a panacea, they offer better information and benefits, but are they economically justifiable? An internal INDOT study was performed during the 08-09 season that shows a savings of \$10,000,000 in salt costs that can be attributed to some degree the use of AVL and MDSS.

1996 Road Information Program

1975 Valerii Fedorovich Babkov

1923 United States. Congress. Senate. District of Columbia

1961

## 1913

1990 T. Fujiwara Skidding resistance on snowy and icy roads is much less than that on clear

roads; hence, it may be said that, in many cases, traffic accidents under such road conditions are closely related to skidding. We investigated the road conditions, skiddingresistance value, and their relationship to traffic-accident rates during winter. The model that estimates the number of days of slippery road conditions is constructed. Monthly days of slippery road conditions in 1982, 1983, and 1984 are calculated by using this model. We carried out measurements of the skidresistance number on slipperv road surfaces on Hokkaido, comprising approximately 5000 individual skid tests on slippery road surfaces. An accident-rate predictive model for winter is designed from the road conditions and the meteorological conditions. Road-surface conditions under no-snow conditions during winter is assumed, and reduced number of accidents are estimated.

1999

1938 United States. Congress. House

1921 Dakota County Historical Society (Dakota County, Minn.)

1999 Kevin M. Thornton

1996 Virginia. Department of Transportation. Office of Public Affairs

1923 United States. Congress. Senate.

Committee on the District of Columbia 1967 L. L. Afanassiev

1980 Deborah L. Washington This memorandum sets forth 1978 state system road condition ratings and estimated percent minority population by suburban northeastern Illinois elementary school district areas.

2018-01-12 Luther C. Snider Excerpt from Preliminary Report on the Road Materials and Road Conditions of Oklahoma, Vol. 8 The time and force necessary to transport goods to and from market, other things being equal, will depend upon the nature of the road bed. In this connection the following points must be considered' (1) the nature of the road bed: (2)velocity with which load is moved; 3) inclination or grade of road. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.