

Aar Interchange Rules Field Manual

The definitive transportation engineering resource--fully revised and updated The two-volume Handbook of Transportation Engineering, Second Edition offers practical, comprehensive coverage of the entire transportation engineering field. Featuring 18 new chapters and contributions from nearly 70 leading experts, this authoritative work discusses all types of transportation systems--freight, passenger, air, rail, road, marine, and pipeline--and provides problem-solving engineering, planning, and design tools and techniques with examples of successful applications. Volume II focuses on applications in automobile and non-automobile transportation, and on safety and environmental issues. VOLUME II COVERS: Traffic engineering analysis Traffic origin-destination estimation Traffic congestion Highway capacity Traffic control systems: freeway management and communications Traffic signals Highway sign visibility Transportation lighting Geometric design of streets and highways Intersection and interchange design Pavement engineering: flexible and rigid pavements Pavement testing and evaluation Bridge engineering Tunnel engineering Pedestrians Bicycle transportation Spectrum of automated guideway transit (AGT) and its applications Railway vehicle engineering Railway track design Improvement of railroad yard operations Modern aircraft design techniques Airport design Air traffic control systems design Ship design Pipeline engineering Traffic safety Transportation hazards Hazardous materials transportation Incident management Network security and survivability Optimization of emergency evacuation plans Transportation noise issues Air quality issues in transportation Transportation and climate change Proceedings - Association of American Railroads, Operations and Maintenance Department, Mechanical Division

Railroad Fire Prevention Field Guide

MR, Modern Railroads Rail Transit

Hearings Before the Subcommittee on Transportation and Commerce of the Committee on Interstate and Foreign Commerce, House of Representatives, Ninety-fifth Congress, Second Session ... July 25 and 26, 1978

NTSB-PAR.

Many of the engineering problems of particular importance to railways arise at interfaces and the safety-critical role of the wheel/rail interface is widely acknowledged. Better understanding of wheel/rail interfaces is therefore critical to improving the capacity, reliability and safety of the railway system. Wheel-rail interface handbook is a one-stop reference for railway engineering practitioners and academic researchers. Part one provides the fundamentals of contact mechanics, wear, fatigue and lubrication as well as state-of-the-art research and emerging technologies related to the wheel/rail interface and its management. Part two offers an overview of industrial practice from several different regions of the world, thereby providing an invaluable international perspective with practitioners' experience of managing the wheel/rail interface in a variety

of environments and circumstances. This comprehensive volume will enable practising railway engineers, in whatever discipline of railway engineering – infrastructure, vehicle design and safety, and so on – to enhance their understanding of wheel/rail issues, which have a major influence on the running of a reliable, efficient and safe railway. One-stop reference on the important topic of wheel rail-interfaces Presents the fundamentals of contact mechanics, wear, fatigue and lubrication Examines state-of-the-art research and emerging technologies related to wheel-rail interface and its management

Pipeline Accident Report

The Proposed Expansion and Renewal of Rail Safety User Fees

Hearing Before the Subcommittee on Railroads of the Committee on Transportation and Infrastructure, House of Representatives, One Hundred Fourth Congress, First Session, September 14, 1995

Geologic Repository for the Disposal of Spent Nuclear Fuel and High-level Radioactive Waste at Yucca Mountain, Nye County -- Nevada Rail Transportation Corridor; and Rail Alignment for the Construction and Operation of a Railroad in Nevada to a Geologic Repository at Yucca Mountain, Nye County

Safety of High Speed Magnetic Levitation Transportation Systems

"Research sponsored by the Federal Transit Administration in cooperation with the Transit Development Corporation."

Environmental Impact Statement

Investigation of Failed Coupler Knuckle Pivot Pins

Transportability Guidance

Track-related Research

Interstate Commerce Commission Reports

Handbook of Railway Vehicle Dynamics, Second Edition, provides expanded, fully updated coverage of railway vehicle dynamics. With chapters by international experts, this work surveys the main areas of rolling stock and locomotive dynamics. Through mathematical analysis and numerous practical examples, it builds a deep understanding of the wheel-rail interface, suspension and suspension component design, simulation and testing of electrical and mechanical systems, and interaction with the surrounding infrastructure, and noise and vibration. Topics added in the Second Edition include magnetic levitation, rail vehicle aerodynamics, and advances in traction and braking for full trains and individual vehicles.

Freight Car Shortage and Utilization

Federal Register

Proceedings of a Workshop on Wear Control to Achieve Product Durability

Final Environmental Impact Statement for a Geologic Repository for the Disposal of Spent Nuclear Fuel and High-level Radioactive Waste at Yucca Mountain, Nye County, Nevada: Impact analyses, chapters 1 through 15

Recommended Practice, Adopted 1928