



Ken Chambers

Research Chief

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NDOT Research

The goals of NDOT's research program are to improve operational efficiency and increase serviceability of the transportation system and its support organizations through better understanding and usage of materials, methods, design, and the environments in which they are used.

Research Section Overview

Product Evaluation

NDOT Research Library

Research Programs



Product Evaluation

- Facilitates Approvals of Products
- Administers the Qualified Product List

http://www.nevadadot.com/reports_pubs/QPL/

- Coordinates Field Research and Reviews

NDOT Employee Request for Product Review

1. Call or email Roma Clewell with name of company/product.
2. Product Evaluation Coordinator requests application from vendor.
3. If product is listed on QPL, Product Evaluation Coordinator will send to appropriate division for review (usually takes several months).
4. If product is NOT listed on QPL, Product Evaluation Coordinator will follow the same process listed above, but will be qualified on a case by case basis.
5. If a Quick Review is needed, send written request to Materials Division, Wes Clyde (jclyde@dot.state.nv.us).

NDOT Research Library

The library is here to help!

The Library holds a large selection of magazines, journals, study materials, and publications from FHWA, TRB, and US DOT.



Research Support Services

- **Unlimited access** to the collection for NDOT employees. We can send requested material anywhere in Nevada.
- **Literature Searches**, a systematic search for publications on a specific topic.
- **Inter-Library Loan**, if the NDOT Research Library doesn't have what you are looking for, that doesn't mean that we can't get it for you in a timely manner. Other DOT libraries will readily loan material to us, all you need to do is request it through Sena, your librarian.
- **Reference Assistance**, we will help you find what you are looking for!

Contact Information: Sena Loyd, 775-888-7895, sloyd@dot.state.nv.us



Research Program Overview

- Research, Development & Technology (R,D&T)
- Technology Transfer Center (T2 Center) @ UNR
- University Transportation Center @ UNLV



RD&T Steps

1. Problem Statement Solicitation
2. Project Prioritization (RAC)
3. Request for Proposals
4. Project Selection (RMC)
5. Contract Research

R, D & T Project Management

- Technical Panels
- Reports
- Implementation
- Financial Reporting & Auditing

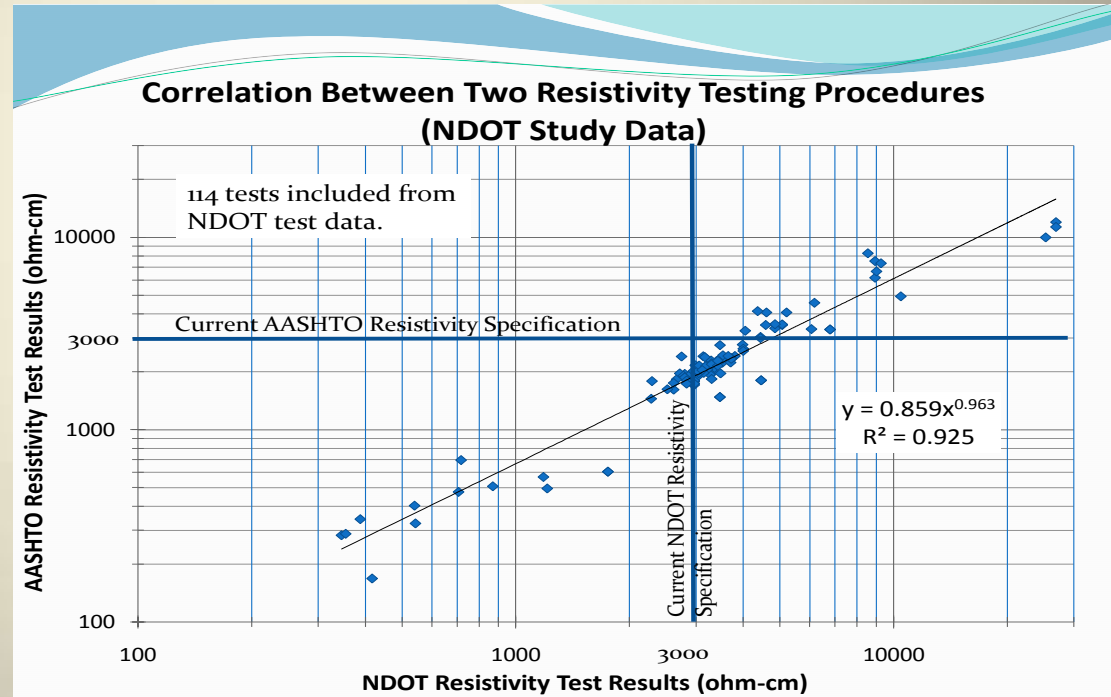
Also: Pooled-Fund Studies
In-House Research



Current Research Projects

Investigation of Corrosion of MSE Walls in Nevada

Principle Investigator:
Dr. Raj V. Siddharthan,
Ph.D., P.E.
Department of Civil
Engineering
University of Nevada,
Reno



Current Research Projects

Effectiveness of U.S. Highway 93 Wildlife Overpass for Mule Deer and Other Wildlife in Nevada

Principle Investigator:
Dr. Kelly M. Stewart
Department of Natural
Resources and
Environmental Science
University of Nevada,
Reno



Current Research Projects

Safety and Design Guidelines for
Marked and Unmarked Pedestrian
Crosswalks at Unsignalized and
Midblock Crossing Locations

Principle Investigator:

**Dr. Zong Tian,
Ph.D., P.E.**

Department of Civil
Engineering
University of Nevada,
Reno



Examples

- Management of Trucks on Urban Freeways
- Policy Analysis for Fuel Tax Options
- I-15 N. Detour Effectiveness Evaluation
- Roundabout Guidelines
- Maintenance Decision Support Systems
- Alternative Energy Options
- Effects of Rough Roads on Vehicle Maintenance Costs
- Feasibility of Telecommuting
- Incident Management
- Graffiti Countermeasures
- Project Cost Estimation
- Impacts of System Expansion on Maintenance Costs

Contact Information

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