



**NORTH DAKOTA DOT  
TECHNICIAN CERTIFICATION  
PROGRAM  
2008-2009**

**Materials and Research Division**



- Training classes are a cooperative effort between NDDOT and DAPA, or Dakota Asphalt Pavement Association
- Dakota Asphalt Pavement Association office is in Pierre, South Dakota
- DAPA also teaches some of the South Dakota classes
- Fifteenth year we have worked together



- Two main instructors
- DAPA director, Ken Swedeen
- Ross Bentsen, consultant
- Eight districts and Materials Coordinators help with training
- Materials and Research staff teach Soil Testing Classes and assist with Aggregate and Asphalt Testing



- Classes are training and certification
- All classes are held in Bismarck
- Certification is valid for 5 years
- Offer certification in
  - Aggregate – 2 versions
  - Asphalt Testing
  - Asphalt Inspection
  - Asphalt Mix Controller
  - Soils Field Testing
  - Concrete – use ACI



- Materials and Research division coordinates all registration and scheduling for classes
- Provides some training material for use in classes
  - Or technical support
  - Video of test procedure
- Printing of materials
- Certification cards
- Website for certification registry



### Business Links

- Services
  - GIS and Mapping
  - Contractor Information
  - Consultant Information
  - Construction Bid Opening Information
  - Civil Rights Program Areas

- Resources
  - Manuals and Publications
    - Forms by Category
    - Forms by Number
    - Forms by Title

## Materials Testing and Research

The department works on testing and researching soil or materials utilized for highway and construction projects. The main research areas include asphalt and concrete pavement studies, plus ride quality and measurement of ride numbers. Materials testing may be conducted on a variety of products such as: asphalt binders, aggregates, geotextile fabrics, traffic marking paint, soils, cement, flyash, glass beads for traffic marking paint and concrete for strength.

- Research
  - Research Projects Selection

- Field Sampling & Testing
  - Field Sampling & Testing Manual
  - Glass Bead Lots Tested PDF
  - Paint Lots Tested PDF

- Technician Certification Program
  - TTQP Manual PDF
  - Acceptance of Qualification/Certification PDF
  - Test-Out Form PDF
  - Training Schedule PDF
  - Technician Registry

- Qualified Laboratory Program
  - Qualified Lab Manual PDF

Calibration Procedures





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Technician ID	Last Name	First Name	M	Employer	Certification	Valid Through
509	Schacher	Willie		NDDOT	Aggregate Lab	2009
				NDDOT	Aggregate Examiner	2009
				NDDOT	Asphalt Mix Controller	2009
				NDDOT	Asphalt Pavement Inspector	2009
				NDDOT	Asphalt Mix Tester	2009
				NDDOT	Bituminous Examiner	2009
				NDDOT	Concrete Examiner	2012
				NDDOT	Concrete Field Tester	2009
				NDDOT	Soils Examiner	2012
				NDDOT	Soils Lab	2012



- All other training is through Construction Office or Human Resources
- Construction position has been vacant since May
- DOT is working on obtaining new software to track training and certification
  - Software may replace current Access database







## ○ Trans Tech Program

- Maintenance employees work on construction
- UGPTI provides 1 week training for new employees in basics of testing, inspection, plan reading
- Does not “certify” attendees



- 2008-2009 Training Season
- 10 Classes offered
  - 1 set of each class
- Enrollment down for most classes



- What's new
- DOT has been using many of the recently offered NHI courses
- Began working with Upper Great Plains Transportation Institute
  - CD/DVD training for basic sampling and testing



- Future goals
- Basic Introduction to Asphalt Class on video network – live presentation or recorded
- Completion of training modules/UGPTI
- Rewrite manuals
- Revise recertification program



# BISMARCK



# BISMARCK



# MEDORA



# MEDORA

