



New Mexico Technician Training and Certification Program (TTCP)

M-TRAC Meeting

St. Louis, MO
August 17-18, 2010

Joint Cooperative Effort

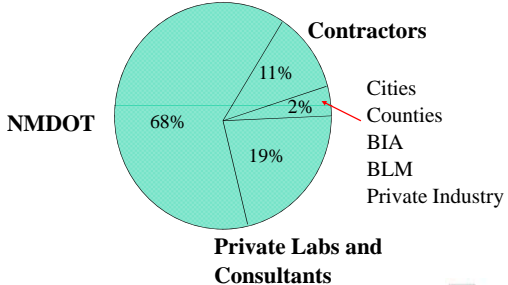


How Does The Cooperative Effort Work?



<ul style="list-style-type: none"> • Three Full-Time Trainers • Testing Equipment • Lease ACNM Facility 	<ul style="list-style-type: none"> • Provide Facility • Maintain Database • Provide Billing/Collection • Input From Industry • Hire Proctors
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Who Utilizes the New Mexico TTCP?



Group	Percentage
NMDOT	68%
Private Labs and Consultants	19%
Contractors	11%
Cities, Counties, BIA, BLM, Private Industry	2%

New Mexico TTCP - Training and Certification Modules

Modules:	Days:	Cost:	Class Size:
• Aggregate Training	- 5	- Free	- 16
• Aggregate Certification	- 3	- \$350	- 12
• Soil Training	- 2	- Free	- 16
• Soil Certification	- 2	- \$300	- 16
• Asphalt/Superpave Training	- 4	- Free	- 10
• Asphalt/Superpave Certification	- 3	- \$350	- 10
• Concrete Field Technician Training	- 1	- Free	- 20
• Concrete Field Technician Cert.	- 1	- \$300	- 20
• Concrete Laboratory Train. & Cert.	- 1	- \$100	- 20
• Nuclear Densometer Training	- 2	- Free	- 20
• Nuclear Densometer Certification	- 2	- \$300	- 20
• Inertial Profiler Inspector Training	- 1	- \$100	- 20
• Ethics Awareness	- 1	- \$50	- 30
• Superpave Mix Design Training	- 4	- Free	- 8
• TTCP Overview for Decision-Makers	- 3	- Free	- 16

New Mexico TTCP - Training and Certification Modules

New Classes for 2008 – 2010 Specialty Classes

Modules:	Days:	Cost:	Class Size:
• HMA Construction Inspection	- 2	- \$100	- 30
• Clean Water Act Training	- 1	- \$100	- 30
• Materials Audit Training	- 1	- Free	- 16
• ProVal (Profiler Software) Training	- 1	- Free	- 30
• Construction Inspection Workplan	- 1	- Free	- 40
• Critical Path Method (NHI)	- 2	- \$350	- 30
• Daily Documentation Training	- 1	- \$50	- 40

New Classes for New Mexico TTCP

Ethics Awareness

- Initial delivery – March 2007
- Over 1,200 students to date
- Only 6 students from industry
- Evolving curriculum / scenarios
- Inspector General is co-trainer



New Classes for New Mexico TTCP

Ethics Awareness

Since the inception of the class the Inspector General has noticed a **reduction** in investigations related to:

- Theft of fuel
- Theft of equipment
- Citizen complaints (driving)
- Documentation issues



New Classes for New Mexico TTCP

Ethics Awareness

- Exit survey – anonymous
- IG member of Executive Staff
- Communicate issues directly
- Correct bad trends



New Classes for New Mexico TTCP

HMA Construction Inspection

- Initial delivery – Fall 2007
- Over 100 students to date
- Using the NHI curriculum
- Using videos to replace hours of PowerPoint presentation
- Good industry interaction



New Classes for New Mexico TTCP

Construction Inspection Workplan

- Initial delivery – Winter 2009
- Over 120 students to date
- Developed by NMDOT PM
- PM saw the need to help his young inspectors
- “Empowerment” component

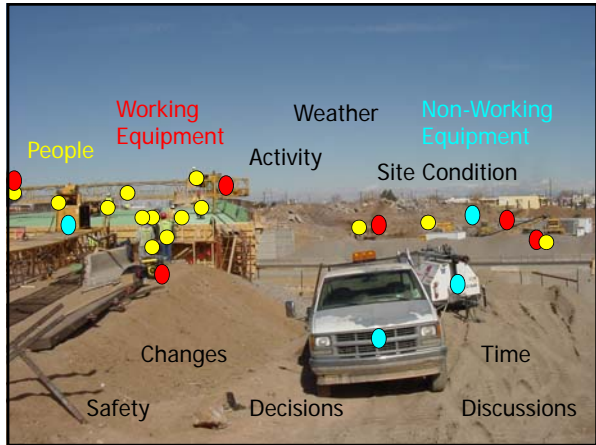
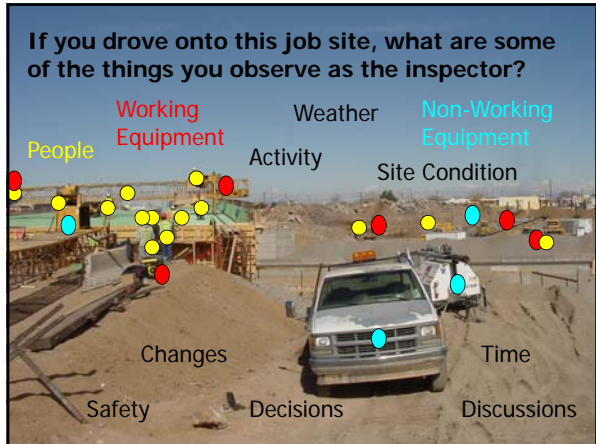


New Classes for New Mexico TTCP

Daily Documentation Training

- Initial delivery – June 2010
- 50 students to date
- Developed by TTCP at request of field personnel and managers
- Using exercises and field scenarios to improve documentation awareness





Evolution of the New Mexico TTCP

- 15 years
- 15,000 student visits
- Poor economic conditions
- Need to save time, money and production
- Take “re-certification” to the field



Evolution of the New Mexico TTCP

- The idea of “re-certification” came from our M-TRAC meetings over the years.
- Ten opportunities in 2009 to “re-certify” in the field.
- Must be third cycle of certification – experience is proven already.



Evolution of the New Mexico TTCP

- 1 – 2 instructors go to the project or district office instead of the students spending multiple nights in Albuquerque.
- No training class is offered due to their experience.
- We force the issue of “no training”



Evolution of the New Mexico TTCP

- A brief review is provided, shortened written exam, demonstrated abilities completed.
- What used to take 2-3 full days is now completed in less than one day at the student’s location



Evolution of the New Mexico TTCP

- The NET savings is **tremendous!**
- Ten field visits in 2009 with 127 students completing 135 certificates saved the NMDOT:
 - **\$45,000** (per diem, travel, fuel)
 - **1,162 hours not traveled**
 - **79,600 miles not driven**
 - **225 saved days of production**



Evolution of the New Mexico TTCP

- Who likes this new “re-certification process?”
The Managers
- Who doesn’t like this new “re-certification process?”
The Students **Why?**





New Classes for New Mexico TTCP

• Critical Path Method



- NHI class and instructor
- Two classes this summer
- 60 students
- Great material
- Easy process to get a NHI class
- I'll start using NHI more

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QUESTIONS?

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