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Overview

- Any acceptance testing for MoDOT projects to be completed by a Certified Technician.
- Certification consists:
 - Classroom Instruction
 - Written Examination
 - Performance Demonstration

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Overview

- Written examinations are open book.
- Re-certification consists of student self study, short review of any changes, written exam and performance demonstration.
- Students allowed 1 re-test on written exam and performance demonstration.

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Training Material

- Course books consist of PowerPoint material note pages.
- Available **MTRAC** training material.
- Materials and/or Construction Manual excerpts.
- Publishable Test Methods.

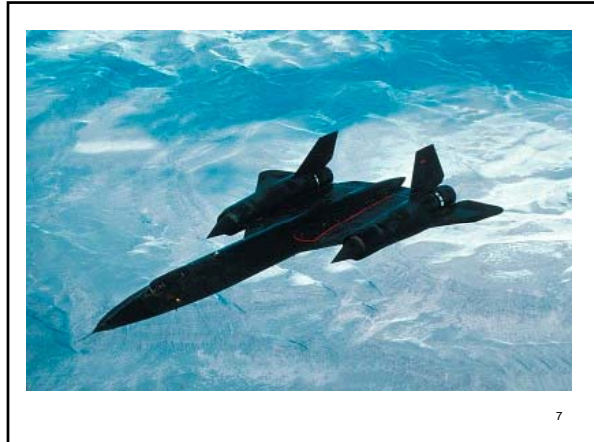


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Course Locations

- **Linn State Technical College – Linn MO**
 - Aggregate Technician
 - Bituminous Technician
 - Soil Density
 - Profilograph
 - Concrete Field
 - Concrete Strength
 - Plasticity Index
- **Missouri University of Science and Technology, Rolla (Missouri S&T)**
 - Superpave QC/QA
 - HMA Aggregate
 - TSR
- **Central Laboratory – Jefferson City MO**
 - Aggregate Specific Gravity
 - T85 Absorption
 - Low Slump

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Certification Cards

- Temporary cards issued upon successful completion of each class.
- Permanent cards issued July 1, each year, to include all of a technicians current certifications.
- Use PVC Cards. Cost around \$1 each. Much less labor to produce.



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De-Certification

- Any documented cases of fraud, abuse, willful negligence will be investigated and appropriate action taken to suspend or remove individual from the certification program.
- Demonstrated incompetence may require repeat of certification course.



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Renewals on the Road

- Renewals conducted regionally.
- Locations included:
 - St. Louis (Chesterfield)
 - Kansas City (Lee's Summit)
 - Poplar Bluff
 - Springfield



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Renewals on the Road

- Main reason for change - Travel Cost savings
- Only Renewals – No "First Time" classes
 - Limited subjects
- More \$ per certification
 - \$275 away
 - \$250 home
 - Travel savings more than offset cost
 - Limited number of classes to ensure full participation.

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Renewals on the Road

- Used same proctors home and away
 - LSTC
- **Success !!**
 - Continued this past season and in the foreseeable future.

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Added Classroom Exercises for All Calculations

- In order to help with some math deficiencies we added classroom exercises for even the simplest calculations. We also added more calculations to the tests.
 - As a side note we notice that the biggest problems with math are recognizing/using different expressions and order of operation.

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Added Time Limit to Hands on Portion

- Only applies to select renewals
- Reasons –
 - Began conducting two renewals per day
 - Students weren't completing in a timely fashion
 - Gives more validity to certification



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Added Time Limit to Hands on Portion

- A four (4) hour time limit has been placed on selected renewals.
- The written exams have always had a two (2) hour time limit.
- The overall time limit of four (4) hours includes:
 - orientation
 - written examination
 - hands on proficiencies
 - proficiency calculations.



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Added Time Limit to Hands on Portion



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Added Time Limit to Hands on Portion

- Not completing all aspects will constitute a failure.
- If test is completed successfully, it is not repeated.
 - Upon a second attempt the subject will have 2.5 hours to complete all proficiencies and associated calculations.



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Added Time Limit to Hands on Portion

- Initial failure rate was high, however, it has settled in, slightly over 5%, with time failures at around 1% constantly declining.
- Update!!**
- Time out failures were minimal this past season, less than 0.1%(3/46).**

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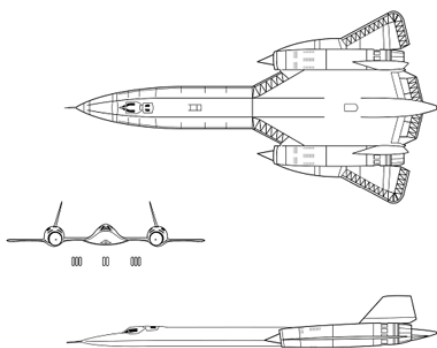
Status Reports

- Status report sent to each company
- Included
 - Letter highlighting changes to the program
 - Listing of company's employee(s) who are currently certified
 - Individual techs certification(s) with expiration date

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Candidates		MD 49200															
Last Name	First Name	AT	BT	BT	BT	BT	BT	BT	BT	BT	BT	BT	BT	BT	BT	BT	
Barthelme	David																
Carter	Richard																
Chen	John																
Dick	Paul																
Evans	Richard																
Lee	David																
Stewart	John																
Walters	Richard																
Wright	Richard																
Young	Richard																
Zimmerman	Richard																
Walters	Richard																
Walters	Richard																
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Updated our State Statute

- This was needed to reflect changes made to program.
- Lengthy process.
- Worth the effort.



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Now Have Five Year Cycle

- Began System based IAS, which helps ensure proper testing.
- Cost saving measure.
- Better matches surrounding states making reciprocity more manageable.



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Information

- Course Calendar, Locations, Certification Levels, Specific Tests, Policy located on the web.

– www.modot.mo.gov

- Contractor Resources
- Technician Certification Program
- Tech Cert

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Information

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Questions?