

FDOT Florida Department of **TRANSPORTATION** **MAC**

FDOT's Implementation of the Materials Acceptance and Certification system (MAC)



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Materials Acceptance and Certification

- Approach taken
- FDOT's perspective
- Lessons learned
- Industry's perspective



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Approach Taken

- Why MAC? Why did LIMS go away?
- Proprietary product pharmaceutical firms to test drugs for FDA approval 
- It was old & no longer supported by vendor 

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Approach Taken

- Before we built a program from scratch, we looked around for applications like SiteManager Materials Module and other LIMS Programs that were designed for road construction  

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FDOT Perspective

- Implementation went in stages
 - Company profiles
 - Child records
 - Mix Designs, products, labs, production facilities, users
 - Data needed to be verified before being used in samples



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FDOT Perspective

- Training
 - Initial Sample Life Cycle implementation was delayed 8 weeks to allow for a training period
 - 3,000 end users
 - MAC just sat there while we trained
 - Special sessions for asphalt conducted by SMO Bituminous Section (Tanya ☺)

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FDOT Perspective

- Implementation had growing pains 
- FDOT is not new to major implementations – we expected this
- Industry input is key to implementation success 



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Lessons Learned

- Don't let perfect get in the way of good enough
- Get people on the team understand your business processes
- Don't get hung up on trying to design screens


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Lessons Learned

- Don't think of what you want or how to fix it - focus on what you need
- Describe/define your requirements as needs 
- Let the programmers come up with the solution(s) 

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Lessons Learned

- Make sure the needs are documented
- If you say it, but it doesn't get written down, it may not get programmed 

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Lessons Learned

- Plan for
 - Enhancements
 - Long term maintenance
 - Changes in requirements
 - Training

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Industry Perspective

- Tanya Nash, Client Service Manager, PRI Asphalt Technologies

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- Thank You

