

Project Closeout Report

Project Name: Commercial Driver RoadTest System

Agency: Department of Transportation

Business Unit/Program Area: Driver License

Project Sponsor: Glenn Jackson, Director Driver License

Project Manager: Mike Becker

Project Objectives		
Project Objectives	Measurements	
	Met/ Not Met	Description
1. Install a RoadTest system that allows the end user examiner the ability to mark the digitized version of the current ND DOT CDL form on the provided tablets.	Met	Implementation and training completed. All examiners have successfully given commercial road tests using the GPS module.
2. Minimize Examiner errors through automated scoring, handwriting recognition, drop down lists, business logic and form completeness verification.	Met	Functionality in place. We have noted the while the handwriting recognition is 90% accurate, examiners have been instructed to use the key pad for the driver id and name since there were errors i.e. MOU converted to MOV so it the test could not be attached to the driver record in Filenet. The drop down lists, scoring logic and other verification finalized through user acceptance testing and all functionality met.
3. Provide training to North Dakota DOT staff on RoadTest system.	Met	All defined NDDOT staff received the training and instruction manuals. We did experience issues with the tablets not being set up to accept active directory accounts as the trainers were under the impression that one security certificate registration would configure the machine for all users. The examiners were required to register on each tablet at their assigned office.

Schedule Objectives					
Met/ Not Met	Original Baseline Schedule (in Months)	Final Baseline Schedule (in Months)	Actual Schedule (in Months)	Variance to Original Baseline	Variance to Final Baseline
Not Met	5 months		10 months	75.2%	

Budget Objectives					
Met/ Not Met	Original Baseline Budget	Final Baseline Budget	Actual Costs	Variance to Original Baseline	Variance to Final Baseline
Met	\$377,875		\$376,471	.3%	

Major Scope Changes
<ul style="list-style-type: none"> There were technically no scope changes although the project was delayed because the tablets were on backorder for four months due to flooding at the Panasonic factory in Taiwan. ND also required a 64 bit OS which was not standard so they will need to be reimaged when they were delivered. The delay had no negative impact on the budget.

Project Closeout Report

Lessons Learned

- Because the project was behind schedule due to the backorder, we scheduled the training 10 days after the delivery date so we were pushed to get the tablets inventoried, imaged and shipped to the sites prior to the training. In hindsight, we should have allowed another week to insure the tablet was fully functional before rolling out to the sites.
- A major issue was an expired EFS certificate at ITD which would not allow folder encryption once the tablets were on the network. It took over a week for the certificate to get renewed and another week to add the encryption remotely.
- Do to the delay between the training and actual production use of the tablets there were issues at a number of sites especially when it came to registering and mapping the GPS routes.

Success Stories

- We have had positive feedback from the examiners and they said it has increased their efficiency. We can see the expansion into Non-Commercial tests in the near future.
- RoadTest has eliminated errors and omissions in the skills testing process with features including GPS tracking and automated scoring.
- RoadTest reduces the time and labor costs associated with re-keying data into enterprise systems and the cost of physically distributing copies of paper forms across the organization. Testing data is sent electronically and may be accessed immediately by system users.
- RoadTest not only captures and retains all data from each individual skills test attempt, it also stores the electronic test form itself in exactly the form it was originally completed. All handwritten notations and signatures are retained, and the entire test form is reproducible and printable.
- The web reporting tool allows for management to track the pass/fail rates by site down to the examiner level.
- As the GPS map routes are stored on the RT server which allows the Deputy Chief Examiner to access the map to insure the test followed the required route.
- The automation of the road tests eliminated the possibility of any part of the test to be inadvertently missed and also protects the examiner should any question be raised about a driver's competency to pass the test.
- North Dakota has met the requirements of the Federal Motor Carrier Grant funding.