

Project Name: Commercial Driver RoadTest System

Agency: Department of Transportation

Business Unit/Program Area: Drivers License Division

Project Sponsor: Glenn Jackson, Director of Driver License

Project Manager: Mike Becker

Project Description

The Commercial Driver Road Test system will consist of tough book personal computers with built in global positioning software that will replace the current paper based process. The system will enforce that no piece of the road test vehicle inspection or trip requirements can be accidentally overlooked. It will also provide an audit trail of the road test results, a video tool the examiners can use to demonstrate backing requirements and the GPS module will insure all drivers are completing the entire trip route.

Business Need or Problem

Under the current process, the successful passing of a commercial road test is based solely on the examiner issuing the test. This could allow for bypassing portions of the test, changing routes and even the possibility of issuing commercial credentials to a driver who did not have a passing score. This also protects the examiner should anyone question the driver's abilities.

North Dakota has seen a noted increase in commercial vehicle traffic and consequent injury and fatal crashes. This is a means to help insure that only qualified drivers are given commercial privileges. Drivers who prepare for and pass the knowledge and road tests know the rules of the road and can be expected to be safer drivers.

Key Metrics

Project Start Date	Estimated Length of Project	Estimated Cost
02/27/2012	5 months	\$424,431

Benefits to Be Achieved

Project Objectives	Measurement Description
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.	System installed and passes system tests with no open critical issues.
Minimize Examiner errors through automated scoring, handwriting recognition, drop down lists, business logic and form completeness verification.	User Acceptance Testing (UAT) will contain scenarios to test this functionality. Functionality passes tests with no critical issues.
Provide training to North Dakota DOT staff on RoadTest system.	All defined NDDOT staff receives the appropriate training and instruction manuals.

Cost/Benefit Analysis

Anticipated Benefits: Provide a tool to assist NDDOT Examiners eliminate errors and omissions in the skills testing process with features including GPS tracking capability and automated scoring.

Cost Justification: The majority of the funding for this project will be coming from grant dollars provided by the Federal Motor Carrier Administration. Tools that can provide assurance that drivers have met all the requirements before being issued commercial credentials are making North Dakota's roads safer.

Key Constraints or Risks

This software has been implemented in 4 other jurisdictions and MorphoTrust (formerly L-1 Identity Solutions) is a trusted vendor of NDDOT. We have had a good working relationship with them since 2005. This is, in and of itself, not a risky project. One potential risk is not meeting the go live date due to state resources being limited. This can be minimized by management committing resources for the entire project.