

Kentucky WRI Pilot Test – Universal ID

Commercial Motor Vehicle Roadside Technology
Corridor Safety Technology Showcase

October 14, 2010

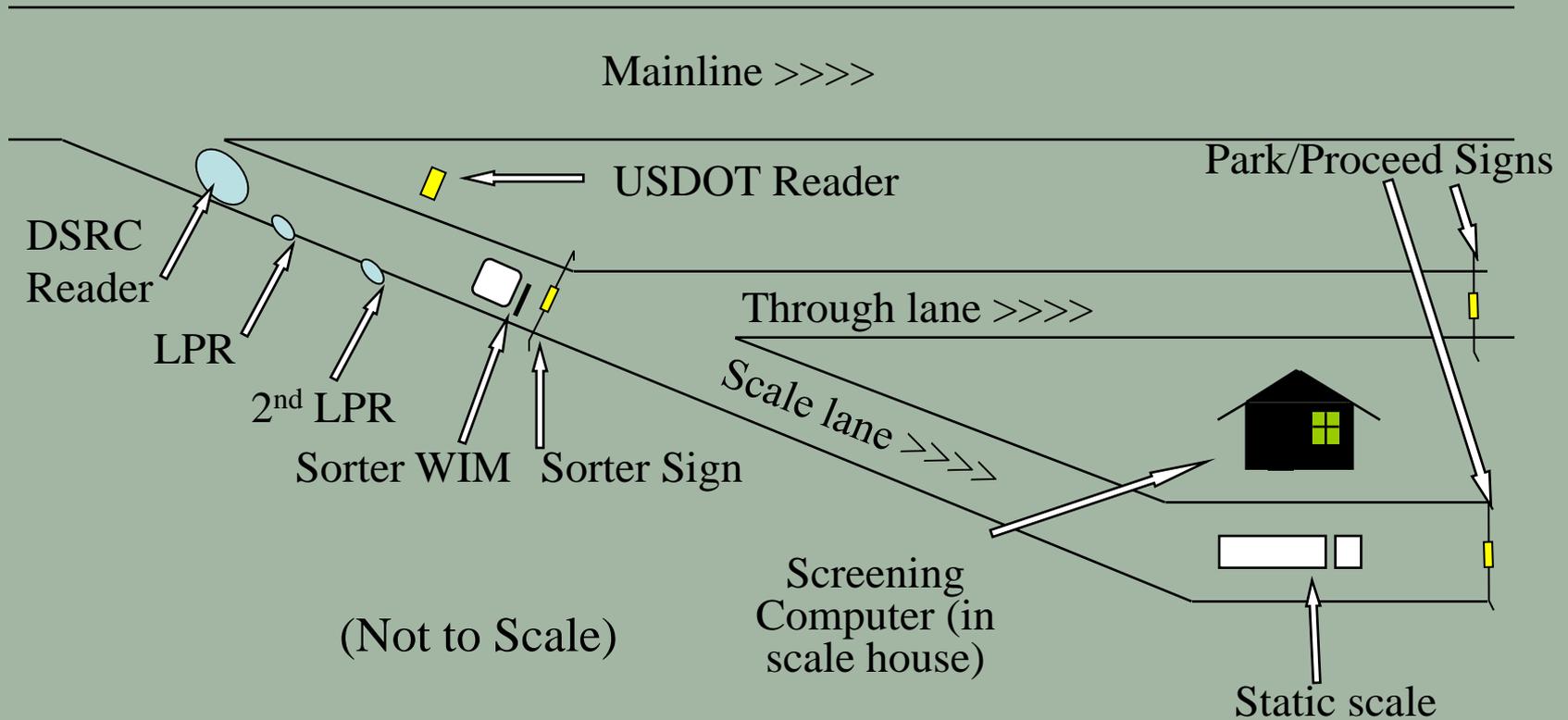


Kentucky Pilot Test

- Utilizes existing automated screening system
- Uses assorted technologies to identify commercial vehicles, i.e., ALPR, USDOTR, DSRC
- Commercial vehicles are screened for safety and credential violations
- Automated screening system currently undergoing testing and evaluation



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Functional Description

- Information is captured from the commercial vehicle, including license plate number and state, USDOT number, transponder id, and weight on the entrance ramp and relayed to a screening computer located in the scale house where the vehicle is identified.
- The screening computer forwards the vehicle identification to the Kentucky Back Office System.



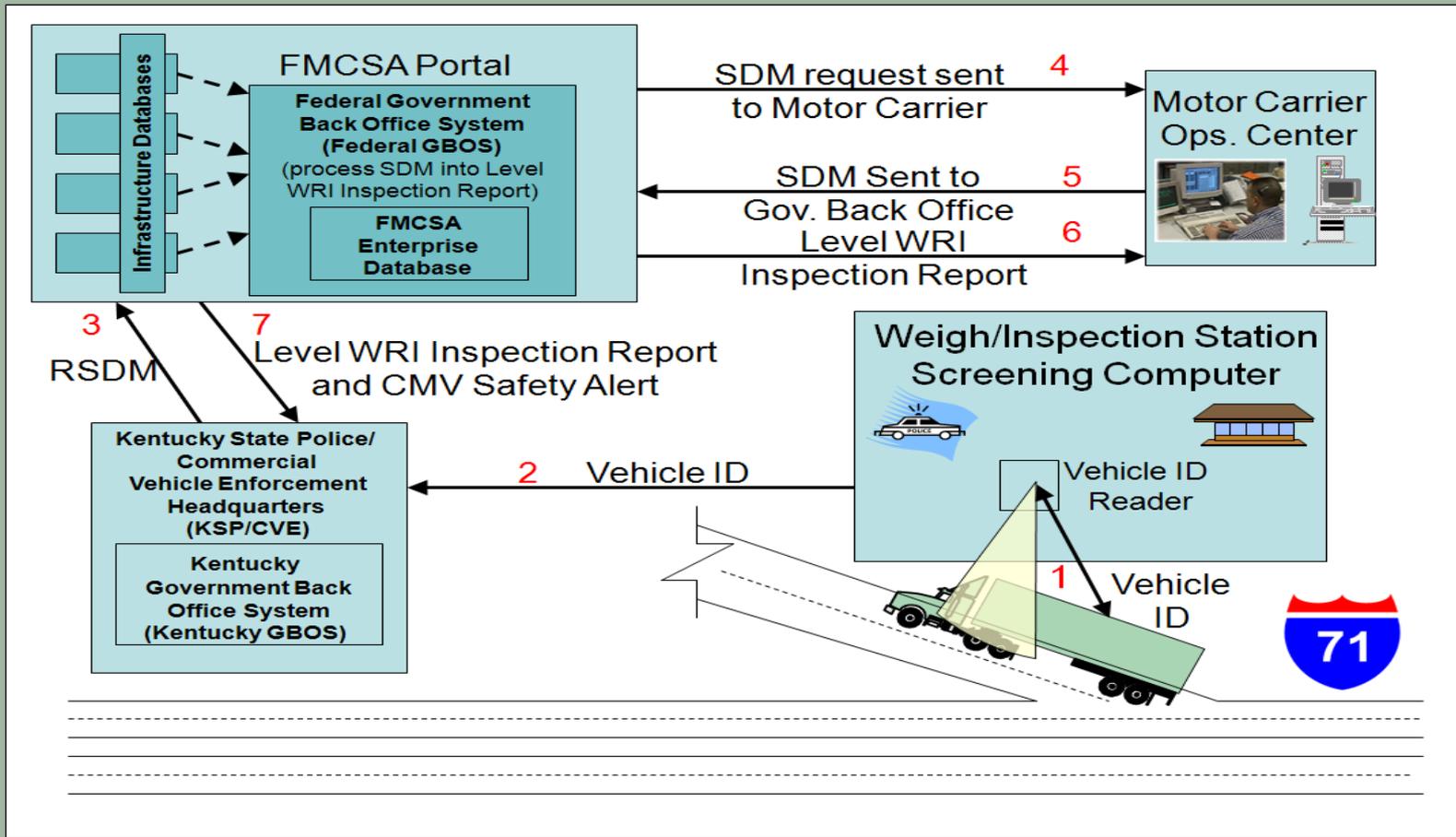
Kentucky Pilot Test

Functional Description (continued)

- A roadside data message (RSDM) is created for the vehicle and sent to the Federal Back Office System.
- The Federal BOS sends a request for a safety data message (SDM) to the carrier and receives the SDM.
- A “Level WRI” inspection report is generated and, if appropriate, a CMV alert is returned to the Kentucky BOS for action.



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Benefits to Kentucky

- Opportunity to shape and influence national program
- Opportunity to demonstrate how automated roadside applications can be integrated with CSA2010 program
- More efficient and effective use of KY resources through better targeting
- Enhancements to KY's PRISM and CVISN investments via WRI work
- Acceleration of KY's goals related to universal identification of CMVs
- Costs related to WRI work covered by WRI program



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Benefits to WRI

- Technology Risk Mitigation
 - Leveraging Kentucky's leadership and expertise
 - Over 15 years of electronic screening deployment experience
- Significant cost savings to FMCSA
 - Enabling technology already deployed or planned
- Demonstration of a prototype system utilizing live data



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For more information – Please contact:

David Q. Hunsucker, P.E.
Kentucky Transportation Center
176 O. H. Raymond Building
University of Kentucky
Lexington, KY 40506-0281
859-257-8313
dhunsuck@engr.uky.edu

