



# Oak Ridge National Laboratory

## Transportation Corridor (TC) Project



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Prevent, Protect, Respond, Recover

### Homeland Security Challenge:

Six critical aspects of the homeland security threat profile are: (1) weigh station information collection and analysis, (2) traffic camera observation and correlation, (3) HAZMAT shipment information analysis and correlation, (4) critical infrastructure information correlation, (5) State police/officer tracking and real-time streaming video capability, and (6) State-to-State and State-to-National information exchange. Information from each of these critical aspects should be collected, analyzed, correlated, and exchanged to demonstrate the feasibility and benefit of this information in interdiction, planning, and consequence management.

### Research Project Solution:

This project examines and extends the requirements of the Kentucky Information Fusion Center (KIFC) in regard to the total homeland security threat profile from natural disasters to terrorist activities and what information and analysis is required to interdict, plan, and perform consequence management. The overall information architecture of this project will examine requirements, information flows and fusion, and will demonstrate an interoperable, standards-based implementation which will provide a seamless transfer of data between federal and state organizations, orderly transition from interdiction actions to consequence management actions, and common on-scene awareness throughout the responding communities.

### National Implications:

This research project will develop anti-terrorist capability for states with respect to commercial vehicles. Previously, SERRI funded research was conducted with the Kentucky Intelligence Fusion Center (KIFC) to integrate information from multiple commercial vehicle inspection stations within a state to yield insight into possible terrorist usage of vehicles. This project continues advancement of these technologies within the Commonwealth of Kentucky as well as transplants the technologies previously developed in Kentucky to the states of Mississippi and South Carolina. Additionally, these capabilities are facilitated by the exchange of information between the participating states using Web 2.0 methodologies.

SeaHawk Interstate Radiological Sensor Exchange

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**Weigh Station Inspection: Dorchester West Bound**


**Inspection Summary**

Owner: SCSTP Start Date: Jan 07, 2010 15:07 EST Description: Inspection  
 Inspection Station: Dorchester West Bound Last Updated: Jan 07, 2010 17:02 EST Clearances:  
 License Plate #: P797908

[View in Google Maps](#) [View in Google Earth](#)




Overlay 1 Overlay 2  
 PASSENGER: 01/07/2010 15:08:48; Vehicle #: 1651 87 sec DR: 0.0004 #R/N



DRIVER

Image 1 Image 2 Image 3 Image 4



**Additional Inspection Observations**  
 13 results found

Description	Device	Date
Truck Image	Azbf5be53-5a2b-4c3d-92d6-021750e8bd5f	Jan 07, 2010 15:07 EST
Pipe Camera 2: P797908	Pipe LPR	Jan 07, 2010 15:08 EST
Truck Image	Azbf5be53-5a2b-4c3d-92d6-021750e8bd5f	Jan 07, 2010 15:08 EST

This PDF image is an actual inspection of a truck that passed through the weigh station in South Carolina. Notice that the PDF gives an image of the license Plate, an overlay of the truck indicating no radiation associated with the truck, and an infrared image of the rear axles (identifies working brakes). Additional links allow the user to drill down in more details about the truck.

[www.serri.org](http://www.serri.org)

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