

45th Annual Western States Highway Equipment Managers Association Conference

Washington State Department of Transportation Presentation

Greg Hansen
Fleet Administrator

August , 2015



Equipment Plays a Critical Role in Operating and Maintaining The Highway System



TEF Equipment

4,800 Vehicles & Construction Equipment

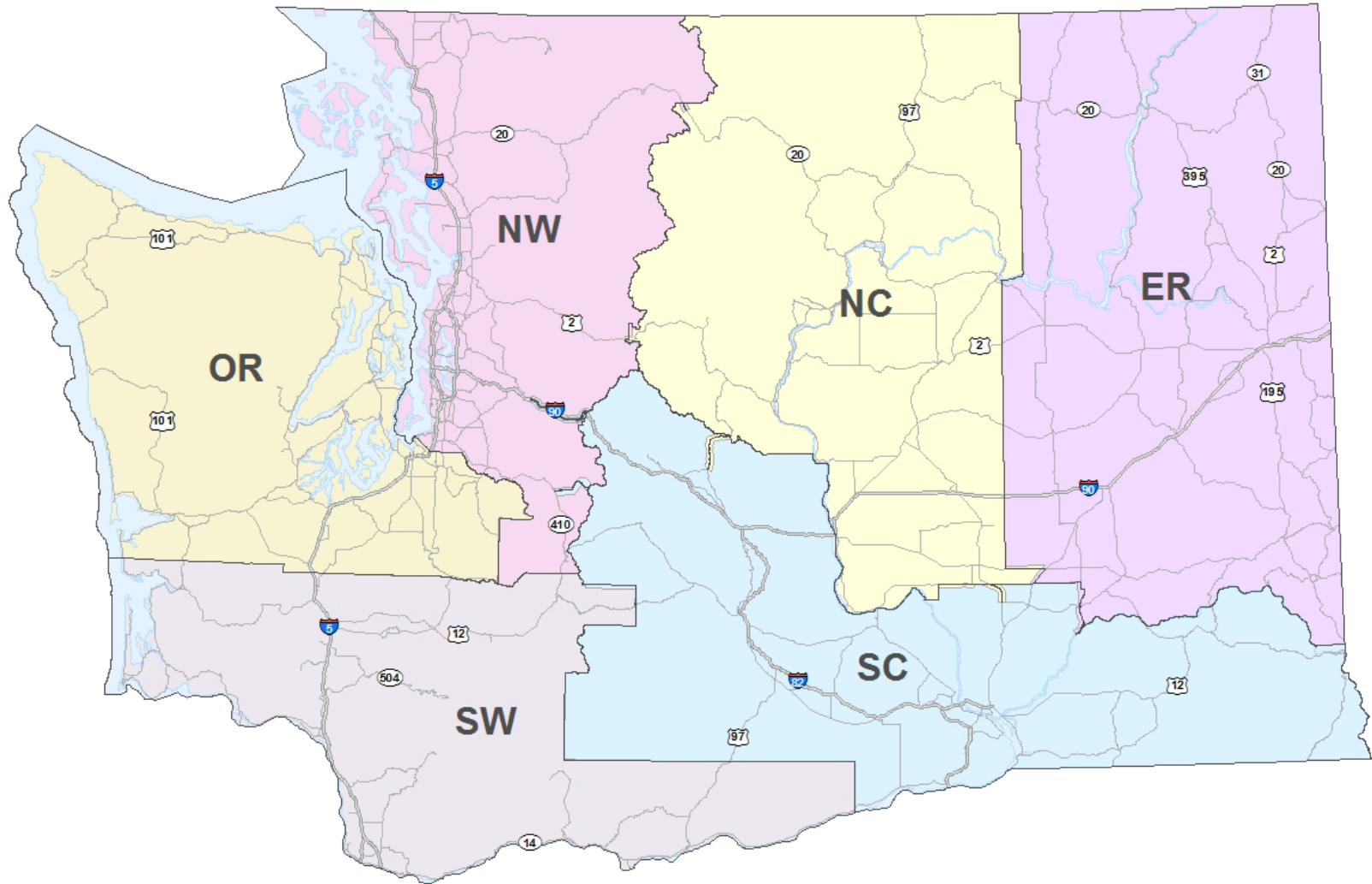


10,000 Pieces of Supporting Equipment

- 4,500 - Wireless Radio System Components
- 1,350 - Equipment Attachments (primarily snow and ice)
- 410 - Fuel System Components and Generators
- 40 - Reproduction and Photogrammetry Pieces

- 500 - Field Engineering Survey Equipment
- 1,700 - Materials Lab Testing Equipment
- 1,110 - Message Signs and Impact Attenuators
- 390 - Equipment and Lab Trailers

Washington State Department of Transportation



Hantavirus

- **What is hantavirus?**

- Hantaviruses are a group of viruses that are carried by rodents

- **How are people exposed?**

- Deer mice excrete the virus in their urine, saliva, and droppings. A person may be exposed to hantavirus by breathing contaminated dust

Hantavirus

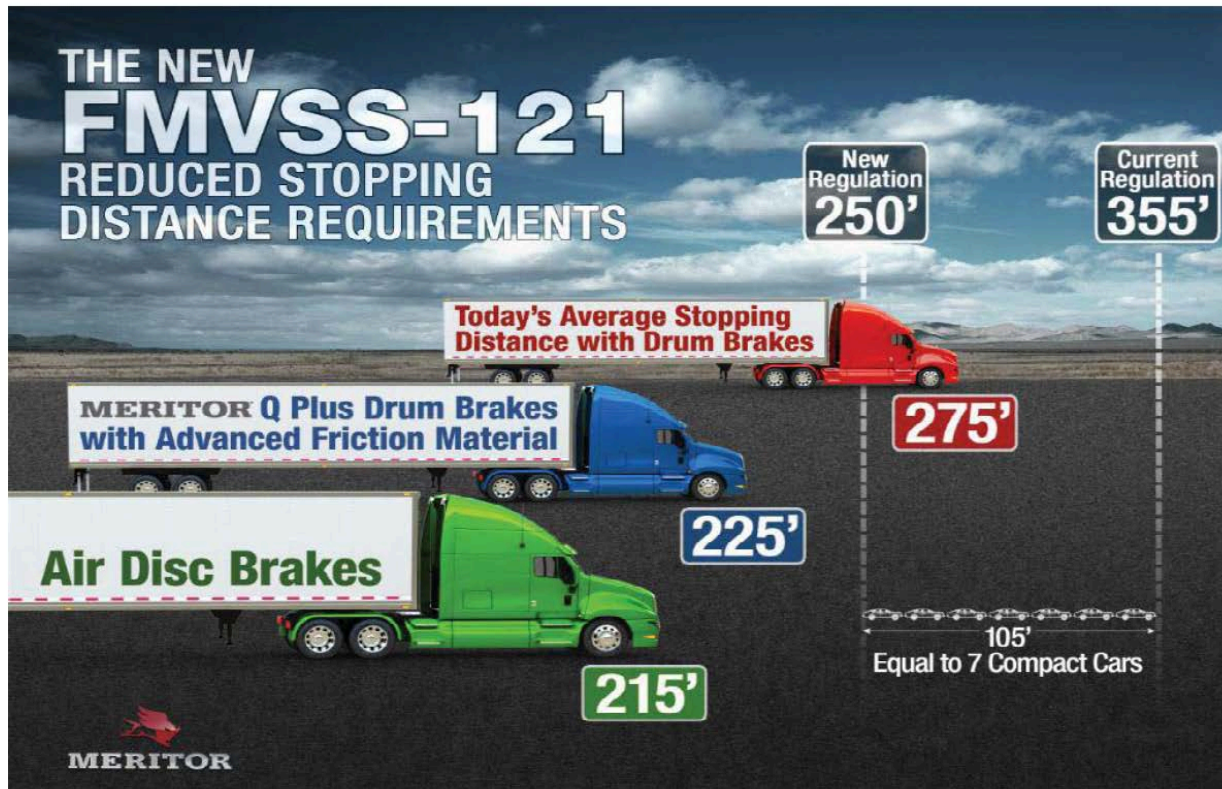
- **How do I prevent Hantavirus pulmonary syndrome?**
- Wear rubber, latex, vinyl or nitrile gloves.
- Do not stir up dust by vacuuming, sweeping, or any other means.
- Thoroughly wet contaminated areas including trapped mice, droppings, and nests with a 10% hypochlorite (bleach) solution: Mix 1½ cups of household bleach in 1 gallon of water (or 1 part bleach to 9 parts water). Once everything is soaked for 10 minutes, remove all of the nest material, mice or droppings with damp towel and then mop or sponge the area with bleach solution.

Grip Idle Management System



FMVSS-121 Requirements

Stopping Distances – Air Disc Required?



Product enhancements have reduced the gap between air drum and air disc brake performance

Air Disc Brakes



- Air Disc Brakes on Europe Roads 20 million
- Air Disc Brakes on US Roads 400 thousand
- Stopping Distance over drum 25%
- Changing air disc brake pads takes less than half the time it typically takes to change drum linings

Sound Level Alert Indicator

- Visual reminder to wear hearing protection

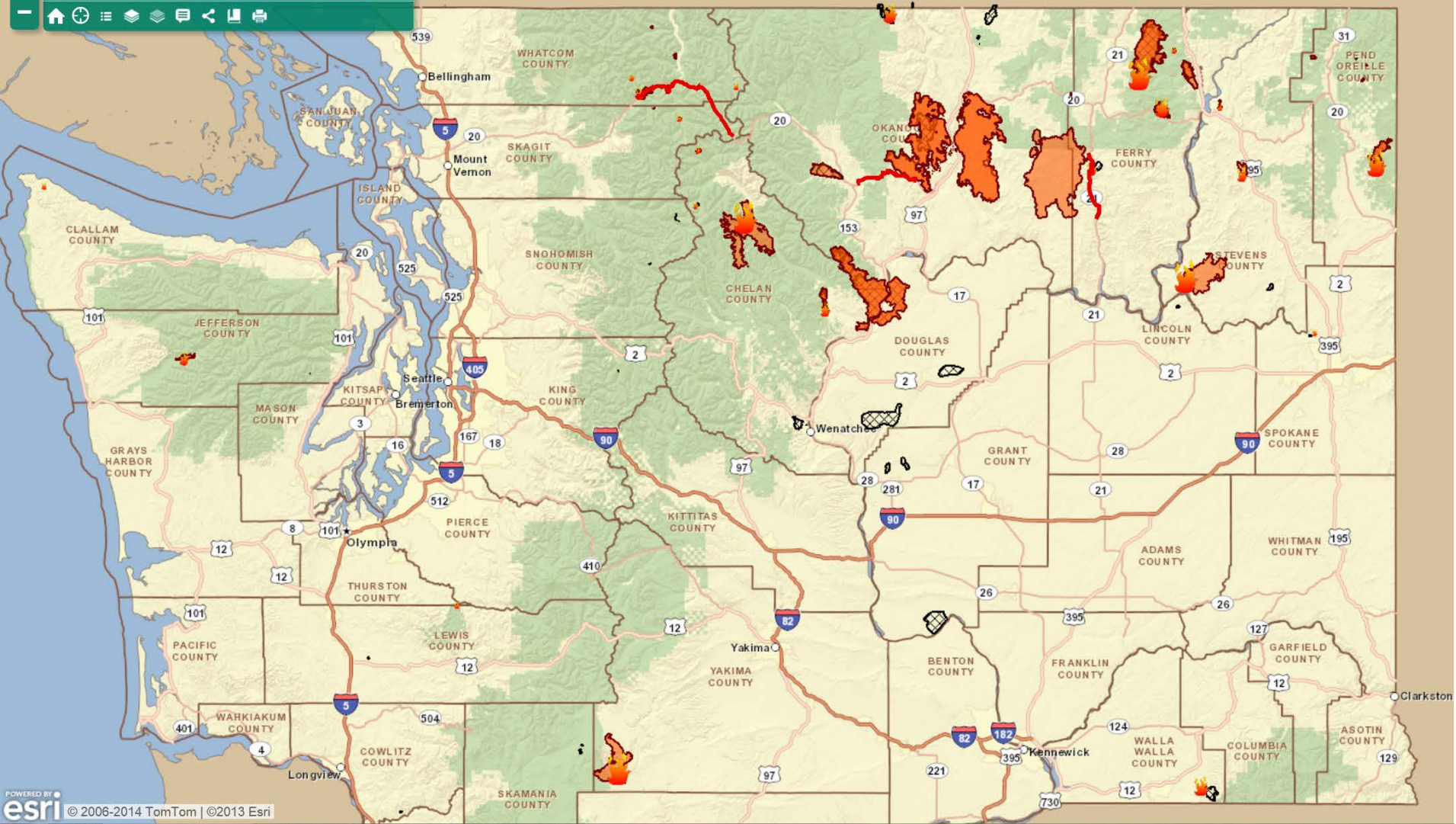


Fuel Additives

- Energy conservation and air quality concerns continue to be significant issues for our agency. Over the years, policies have been developed and implemented to ensure that limited resources are utilized in the most cost-effective, efficient manner possible.
- Therefore, results of third party analysis and testing of new products, devices and technology for fuel savings and emission reductions must be provided by the vendor(s) prior to implementing the use of a new products, devices and technology with regards to the agency's fleet and equipment. Prior to using a new fuel additive or fuel and emission reduction device and technology, testing and product evaluation from the U.S. Environmental Protection Agency's (EPA) "Gas Saving and Emission Reduction Devices Evaluation" program is required. WSDOT will review the evaluation and determine if the product merits field testing.
- The link to the EPA's "Gas Saving and Emission Reduction Devices Evaluation" program is <http://www.epa.gov/otaq/consumer/reports.htm>.

WSDOT Emergency Road Closures

(Last updated 8/24/15 4:00 pm)









The Seattle Times





Questions?

Contact: Greg Hansen

- Title: Fleet Administrator
- Phone: 360-491-2453
- Email: Hanseng@wsdot.wa.gov