



Smart Roadside Operation- A Collaborative Process

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USDOT Modes Operating in Concert

- Overall USDOT
 - Assist with development and maintenance of viable transportation network
- FHWA
 - Responsibility for Vehicle Size and Weight
 - Depend upon state law enforcement
- FMCSA
 - Responsibility for motor carrier safety regulation
 - Depend upon state law enforcement



Inspection Station

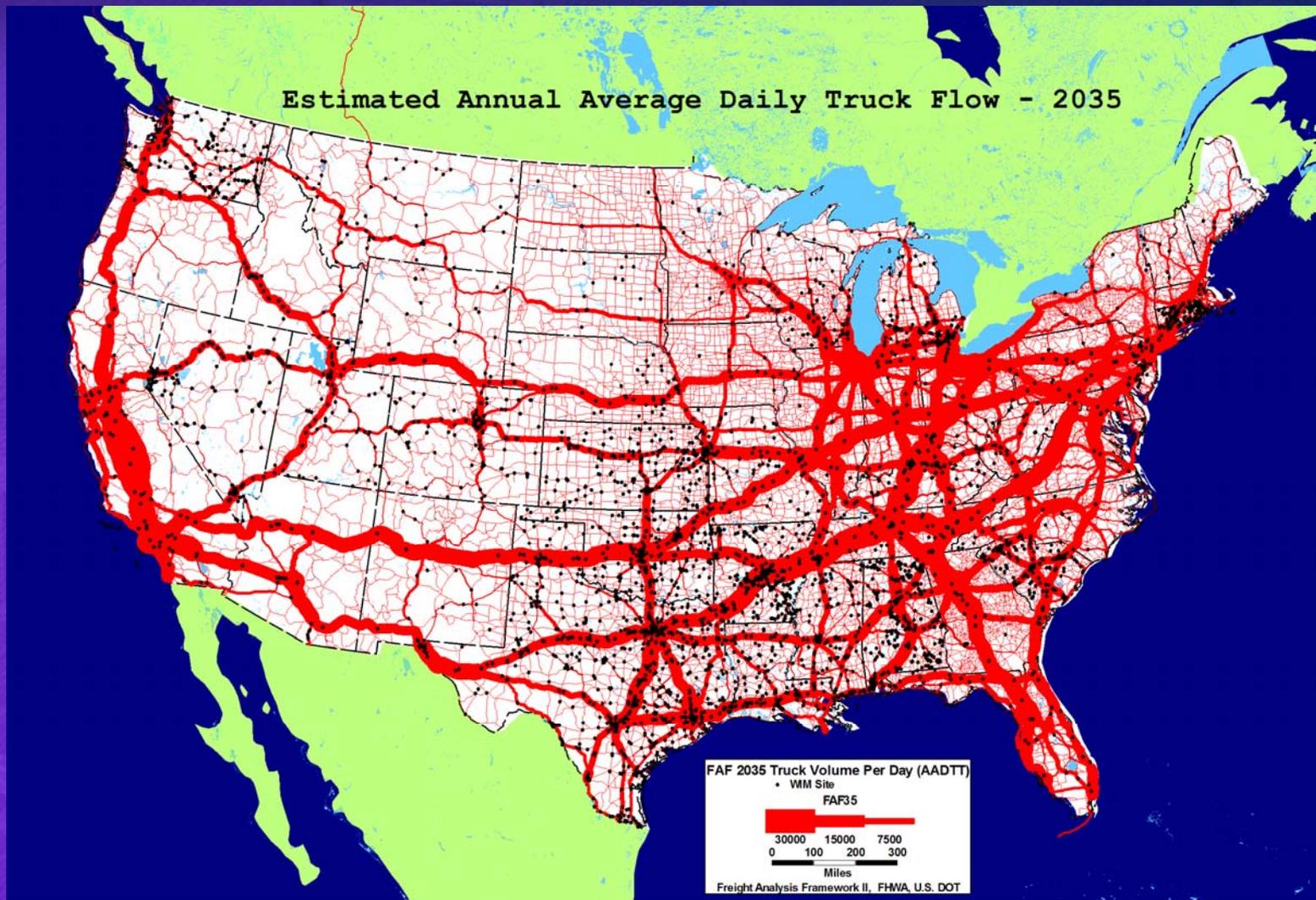
- Safety Inspections and Size and Weight Functions are performed by the same enforcement officers
 - Can't confuse them!
- Other agencies may be able to use the infrastructure and equipment
 - DHS and security oversight
 - EPA and "Smartway"
 - Freight industry – now providing probe readings



Photo Courtesy of Hunter Engineering Company



It's Only Going to Get Worse





Virtual Weigh Stations

- **What are Virtual Weigh Stations**

monitoring of truck dimensions and weights at highway speeds, using High Speed Weigh-in-Motion (HSWIM) technologies, enabling more effective and efficient delivery of enforcement oversight.





Virtual Weigh Station

- General Objective
 - Full safety compliance
 - Full size and weight compliance
 - Getting goods to market without delay
 - Reduce unnecessary costs for government and industry



Source: IRD Website



6 Step Process

- Problem identification
- Champions willing to address problems
- Requirements of Stakeholders
- Concept of Operation
- Architecture and Design
- Forum for exchanging views



Challenge for Workshop

- Next Steps
 - Develop a joint task between FHWA, FMCSA and several states
- Time Frame
 - Vision gets accomplished 2-3 years
- Workshop and beyond
 - We pledge to work together with you