

# WIM DATA FOR CVO ENFORCEMENT

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# How WIM Technology is Used

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- Incorporated into SHRP (Strategic Highway Research Project) sites to classify vehicles
- Used at temporary data gathering sites
- Used at SWEFs (Safety and Weight Enforcement Facilities) for enforcement of commercial vehicles
- Used in conjunction with portable commercial vehicle enforcement

# How WIM Data is Used in Wisconsin

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## Planning

- Data is used to classify vehicles using the highways
- Planning uses the data for the design of pavements

## Enforcement

- Data is used for screening of CMVs
- Data at one time was sent to planning, but they no longer use it

# How WIM Data *Could* Be Used

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- Timely sharing of data in a useable format between Planning and Enforcement
- Use of SHRP sites for “real time” screening by enforcement personnel

# Concerns

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- Corruption of data (CMV traffic will divert to other highways to avoid enforcement at SHRP sites)
- SHRP sites may be targeted for vandalism

# Advantages

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- Sharing resources which have already been deployed (cost savings to the Department)
- Data can be validated - early detection of equipment malfunction
- Current infrastructure is protected rather than sacrificed for future planning needs

# Some States are Integrating

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- Vermont
- Montana

- Michigan
- Indiana

Others?

# Why is Enforcement Necessary?

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- Safety
- Protection of Infrastructure
- Companies make the business decision to run heavy in order to increase their bottom line
- Federal dollars

# Trucks Damage Pavement

## Overload Amount & Damage Estimate

(1000's of pounds)

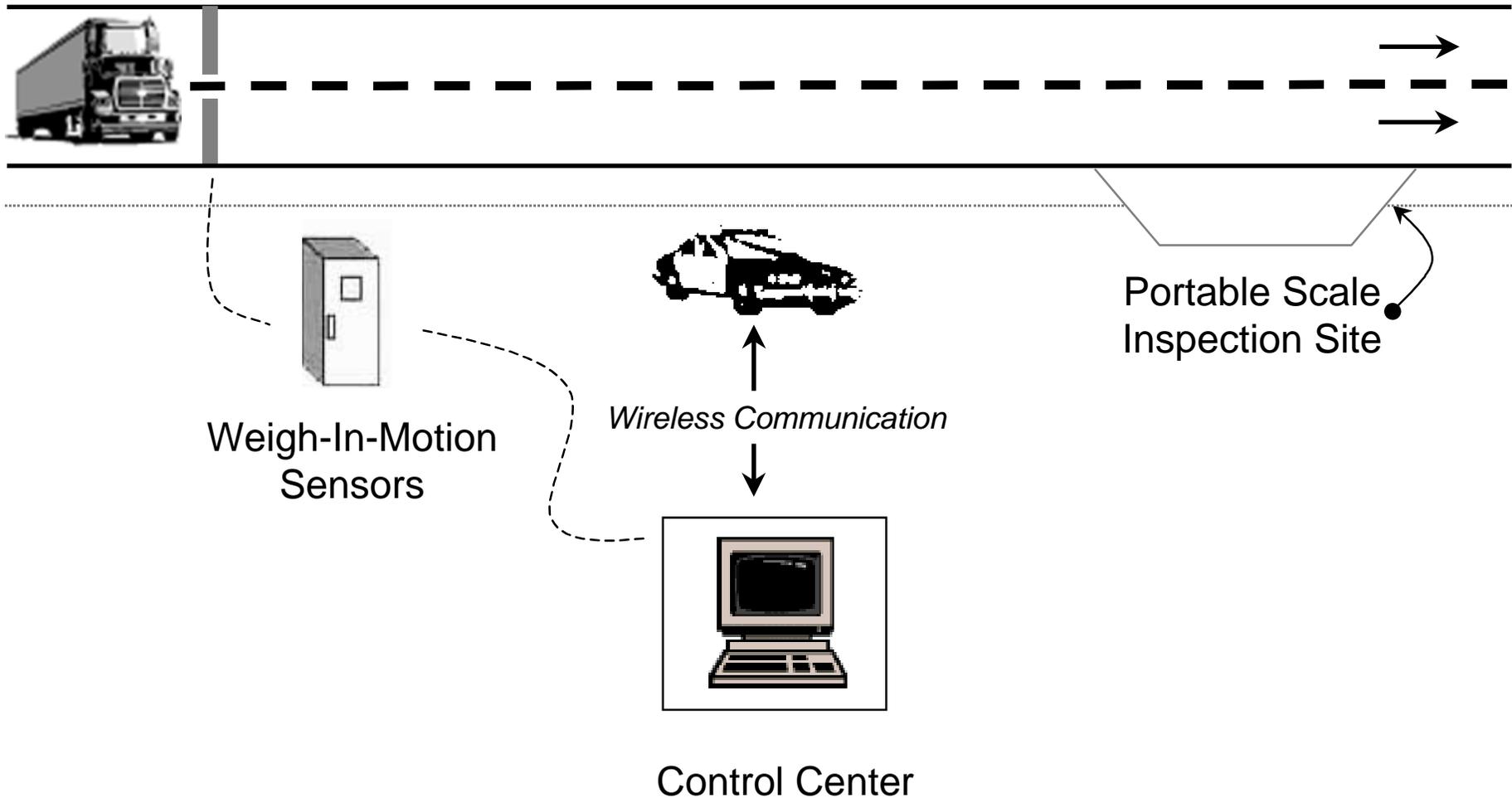
Miles Traveled		3	510	30	
30	Pavement Damage Est.	\$2.50	\$4.40	\$11.20	\$74.40
100	Pavement Damage Est.	\$8.30	\$14.60	\$37.20	\$248.00
300	Pavement Damage Est.	\$24.80	\$43.90	\$111.60	\$744.10

# Indiana's Success

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- Indiana has a cooperative agreement between Planning and Enforcement
- Sites have detected large overloads which enforcement was able to act upon at the time of the violation

# Virtual Weigh Station





# Future Plans for Virtual Weigh Stations in Indiana

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- Cost effective management of commercial vehicle operations
- WIM sites can be monitored 24/7
- Data is still being collected for planning use
- This technology is being deployed on by-pass routes in support of permanent facilities

# Indiana, Contact

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QUESTIONS?

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