

# ***GATEWAY CITIES COUNCIL OF GOVERNMENTS***

## ***TRUCK INSPECTION/ENFORCEMENT FACILITIES – SAFETY INITIATIVE***

### **FLORIDA FIELD VISIT REPORT**

August 25, 2006

For  
**COMMERCIAL VEHICLE ENFORCEMENT**  
And  
**INTELLIGENT TRANSPORTATION SYSTEMS**



- ❑ COG Policy Board adopted a series of safety initiatives in 2004, including truck safety (inspection/enforcement) and directed COG staff to investigate and implement
- ❑ **Research** – Two areas of the country have to deal with similar truck volumes – Indiana and Florida. Only Florida had implemented state-of-the-art truck inspection and ITS facilities.
- ❑ **First Field Trip to Florida** – First field trip to Florida was held in February, 2005 with representatives from I-5, I-710, 91/605 corridors.

◆ As result of first field trip the COG has done the following:

1. Developed an Intelligent Transportation Systems (ITS) Strategic Plan.
2. Performed an ITS research study to determine existing or planned ITS programs underway in Southeast Los Angeles County by other agencies.
3. Reviewed truck inspection facility site study prepared by others on I-710.
4. Prepared an approach and scope of work for an ITS MASTER PLAN for goods movement for Southeast Los Angeles County (also called an ITS Integration Plan).

◆ As result of first field trip the COG has done the following (continued):

5. Coordinating with trucking industry to be a major partner in development of a modernized truck communications pilot program.
6. Ongoing coordination with the staffs of FHWA, Caltrans, the Ports, the County, and MTA to begin coordination and implementation for truck inspection/enforcement and ITS systems.
7. Determined that the ITS systems is critically needed in Southeast Los Angeles County to address truck volumes.
8. Secured MTA funding for Feasibility Study to site truck inspection facilities.

# Purpose of August 25, 2006 Florida Field Trip

1. To demonstrate how Florida, over 18 years, has developed and implemented modern state-of-the-art inspection facilities for 28 million trucks per year.
  - Safety Inspections
  - Security Inspections
  - Weight Inspections
  - Agricultural Inspections
2. How Florida has integrated ITS into truck inspection and enforcement, including:
  - 511
  - Automatic Safety inspections
  - Automatic Weight Inspections (Weigh-in-Motion)
  - Automatic Site Inspections

# WHAT WE OBSERVED

- Weigh in Motion (overweight trucks)
- Vehicle Dimension in Motion  
(automatic laser measurement of height, width and length)
- Gamma Ray Scan (security inspection)
- On-Site Truck Inspection Facilities
- Automatic Station By-Pass System

# WHAT WE OBSERVED

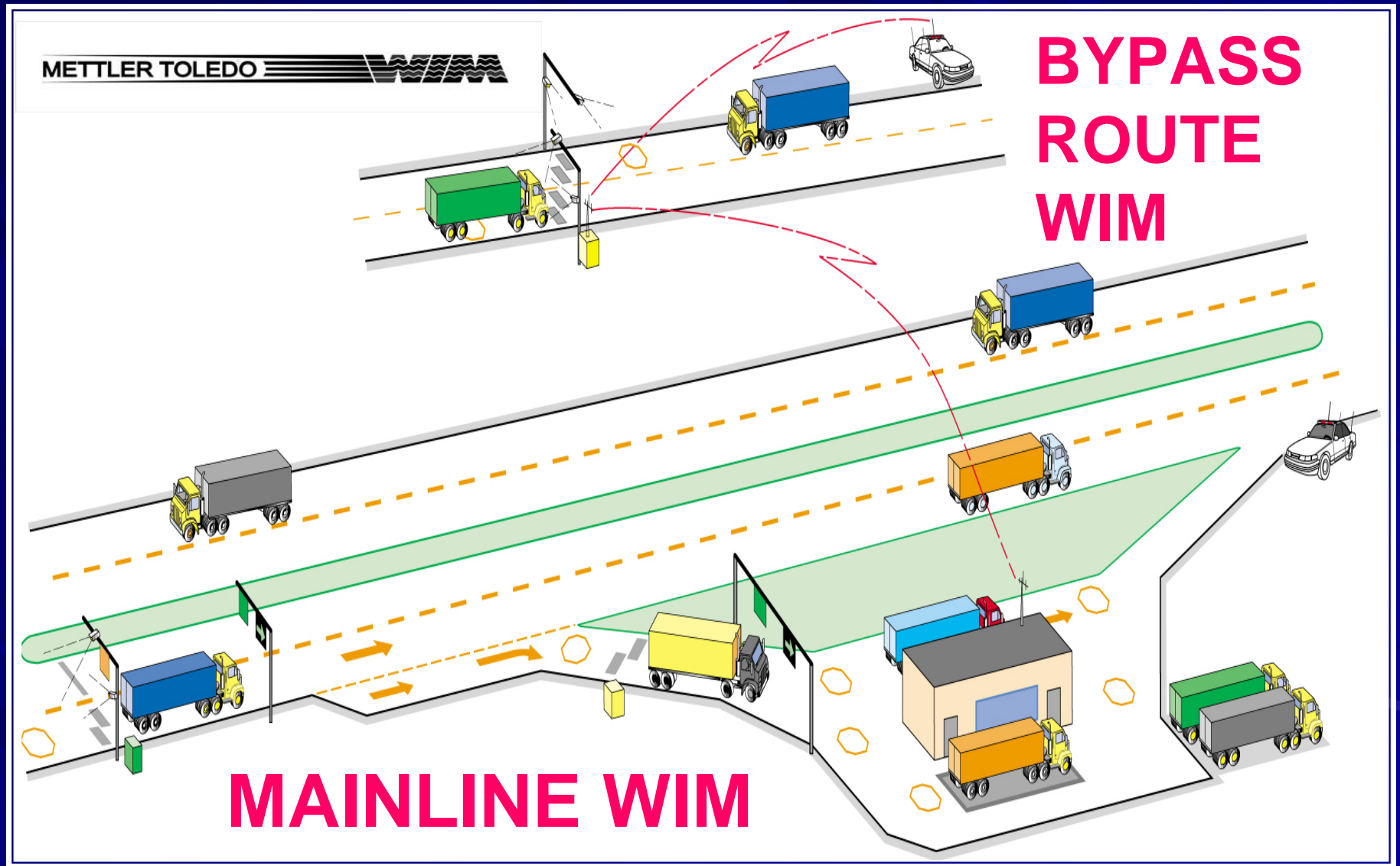
- Automatic Vehicle Identification
- Automatic License Plate Readers  
(matching to law enforcement data bases)
- Automatic By-Pass Control (detection for law enforcement purposes)
- Automatic Brake Check Systems
- 511
- 511/911
- 311



***FLORDIA  
TRUCK WEIGHT AND  
SAFETY INSPECTION  
STATION***



# Weigh in Motion (WIM)



# TRUCKS BEING PROCESSED



# TRUCK ON STATIC SCALES



# TRUCK AUTO-RELEASED FROM STATIC SCALE





# NIGHT TIME OPERATIONS



## 202,000 Lbs. (over weight) Truck



**ONE AXLE WEIGHED ALMOST 80,000 Lbs.**

# CONTROL ROOM









# INSPECTION PIT



# VEHICLE DIMENSION IN MOTION





**TRUCK BEING INSPECTED BY  
A MOBILE GAMMA RAY SCAN**





# MOBILE GAMMA RAY SCAN FOR TRUCK INSPECTION

## ***RESULTS:***

- ✦ **Florida automatically weighs and inspects 28 million trucks per year**

**(This is similar volume to existing POLB/POLA truck volumes)**

## ***NEXT STEPS: (cont.)***

**Truck**

**Inspection/Enforcement  
Facilities Feasibility  
Study for Southeast Los  
Angeles County:**

**☐ Initiated**

**☐ Evaluation Team is in Place**



## ***NEXT STEPS: (cont.)***

### **□ Emphasis on:**

- Automation**
- Safety Inspection**
- Air Pollution Inspection**
- Weight**

## ***NEXT STEPS: (cont.)***

### **◆ Emphasis on: (cont,)**

#### **◆ Homeland Security**

#### **◆ Integration with ITS for WIM and Virtual WIM and other traffic control systems and management**

## ***NEXT STEPS: (cont.)***

- Development – of automatic concepts/ programs/vision for trucks and traffic management working closely with other agencies (based on Florida model)**

## ***NEXT STEPS: (cont.)***

### **□Challenge:**

**Encourage manufacturers  
to develop innovative  
solutions for the needs of  
COG area and nation**

## ***NEXT STEPS: (cont.)***

- ❑ Preparation – of Southeast Los Angeles County ITS Integration Plan for Goods Movement and Traffic Management**
- ❑ Slated to start first quarter of 2007**
- ❑ Partnership with Caltrans**

## ***NEXT STEPS: (cont.)***

- ❑ Implementation** – of Pilot Program for Truck Modernization Communication Systems
- ❑ Partnership** – with trucking industry

## ***NEXT STEPS: (cont.)***

- ❑ Implementation – of initial ITS Elements working with ports, FHWA and Caltrans in the short-run for:**
  - ❑ Changeable message signs on I-710**
  - ❑ Fiber Optic Cables**
  - ❑ 2007/08 Time frame**



## ***NEXT STEPS: (cont.)***

### **❑ Homeland Security Bill**

**❑ Includes funding for  
truck inspection  
facilities near high  
volume ports**



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