

Meeting Emerging Needs A Federal Perspective



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**Highway Funding
and Motor Fuel**

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**Highway System
Performance**

Ralph Gillmann

**Travel Monitoring
and Surveys**

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Travel Monitoring and Surveys:
Steven Jessberger - Traffic Coordinator
Ron Erickson – MTAS
Daniel Jenkins – TVT
David Jones – WIM, TMG
Vacant - Travel Surveys
Patrick Zhang – VM-1 & Our Nation's
Highway's
Vacant – data analyst

Steven Jessberger:
Program Manager for TMAS
(Travel Monitoring Analysis
System)
HPMS Traffic Reviews
Pooled Fund Liaison
Vehicle Classification

Where is the data used?



- Traffic Count
 - State Processed
 - ✦ State uses both internal and external
- Federal Uses
 - ✦ Condition and Performance Report (C&P) – Congress
 - ✦ White House reports
 - ✦ External Data requests (foreign and domestic)
 - ✦ Freight/Enforcement - class and weight data
 - ✦ Pavement Design – MEPDG
 - ✦ Safety – crash rates and speed data
 - ✦ HPMS – State annual submittal
 - ✦ National Reports – Traffic Volume Trends & Highway Statistics
 - ✦ Environmental – class and weight data
 - ✦ Planning Office – model inputs both class and weight data
 - ✦ Bridges – class and weight data

Teamwork - Seeking More Value



- **Internal Customers:**
 - Safety – speed data
 - Pavement – classification and weight data
 - Bridges – weight data
 - Federal Lands – volume data
 - LTPP – classification and weight data
- **External Customers:**
 - States – data sharing and improved feedback
 - System QC –
 - Multimodes – transit, bicycle and pedestrian

Collect It Once Correctly - Use It Many Times



- Calibrate all traffic sites – especially the classification and weight sites
- Analyze your axle classtree
- Pooled Funds for Research
- TMG station card lat/long points
- Travel Monitoring Analysis System: share point
- Metadata

TMAS 2.0 – Features



- **Classification Data Quality Control**
- **Weight Data Quality Control**
- **Quality Checks done by:**
 - System Parameters
 - Site Parameters
- **Documented Procedures**
- **Export Data Feature – All State Data**
- **Transparency of checks and processes**
- **Data Sharing**

Axle Classtree Analysis



- Use what other States have already done – don't reinvent the wheel
- Use existing vendor classtree to see what it does right and wrong
- It will take time to get it right
- It never will be perfect
- Keep reviewing your tree by checking it every year or two

Emerging Needs



Performance Measures
Multi Sources for Data
Real-time Reporting

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Quality Data for Informed Decisions!!