Meeting Emerging Needs
A Federal Perspective

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Travel Monitoring and Surveys:
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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!!