



NAS Report 288 – FHWA Comments

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Agenda

- Report findings
- FHWA – Ongoing Actions
- FHWA – Immediate Actions
- FHWA – Long Term Actions
- Conclusions



Report Findings

- Problems with data and quality control
 - issue for both current and advanced models
- Fundamental shortcomings
 - Highly aggregate
 - Lack of time dimension
- No single approach correct for all applications
 - Approach depends on
 - Nature of Question
 - Types of analysis conducted



FHWA Response – Ongoing Actions

- Immediate recommendations
 - Continue TMIP
 - Continue TRANSIMS deployment
- Maintain key partnerships
 - AASHTO
 - AMPO
 - NARC
 - et. al.



FHWA Response – Immediate Actions

- Identify and publicize good practice
 - Good technical practice
 - Integration of technical process into decision making



FHWA Response – Immediate Actions - Continued

- Increased TMIP technical support to MPOs
 - Expanded peer review program
 - Additional peer exchanges
 - Monthly webinars on modeling practice
 - Explore methods for Greenhouse gas estimation
 - Explore methods for application of MOVES
 - Support CTPP



FHWA Response – Immediate Actions

- Internal reorganization
 - All headquarters modeling functions in one group
 - More efficient, economies of scale
- Additional funds allocated within STEP Program for travel modeling



FHWA Response – Long Term Actions

- Draft reauthorization proposal
 - Resources to improve the state of the practice
- Assist in creation of National Travel Demand Forecasting Steering Committee
 - Support committee in development of Handbook of Practice



Conclusions

- Concur with findings
- Need to improve data and quality control
- Need to improve models
 - Improvements to current models
 - New methods
- Improvement requires significant resources
- Current models continue to have utility



Information

- Planning
 - <http://planning.dot.gov/>
- TMIP and TRANSIMS
 - <http://tmip.fhwa.dot.gov/>