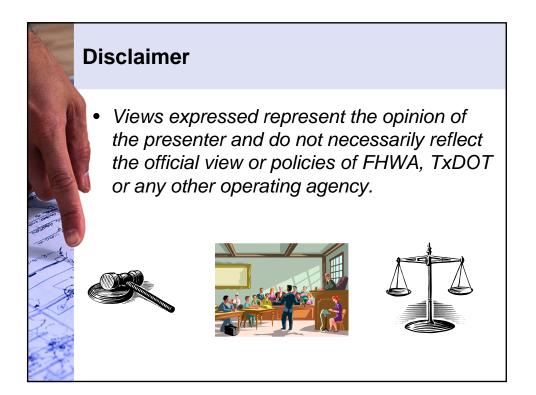
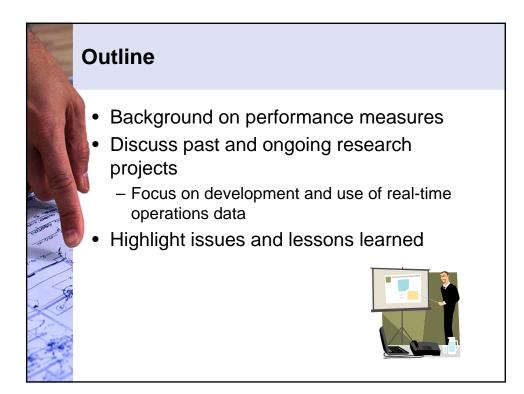
Designing and Building a System for Measuring and Monitoring Performance Measures in Real

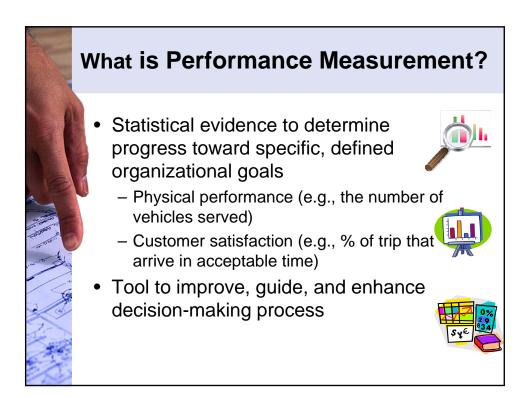
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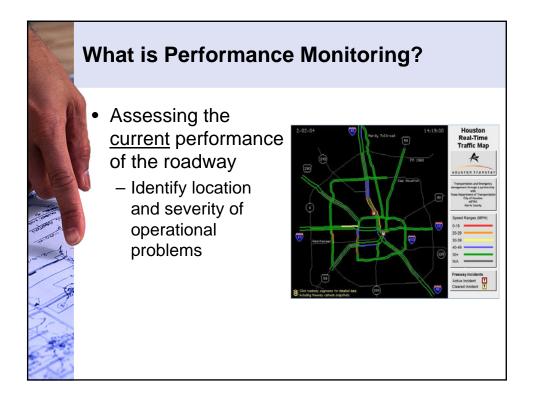
Presented at the Summer Meeting of TexITE Amarillo, Texas June 16th, 2007

Kevin Balke, Ph.D., P.E. Texas Transportation Institute Texas A&M University System College Station, Tx

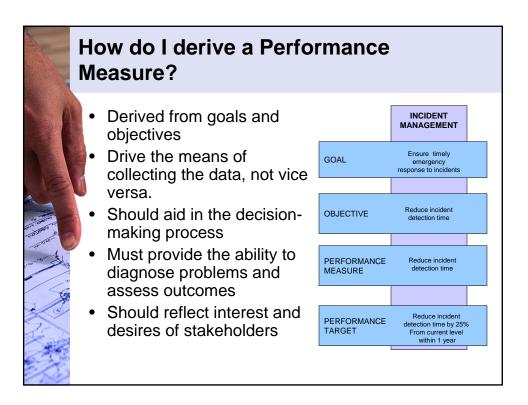


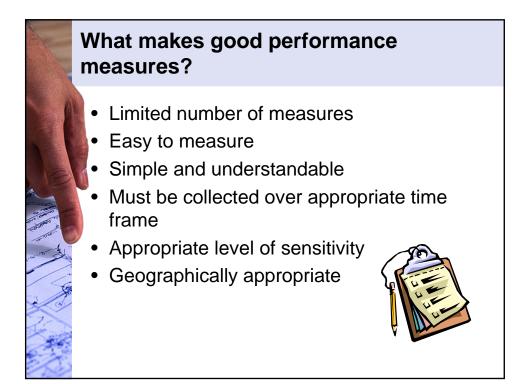


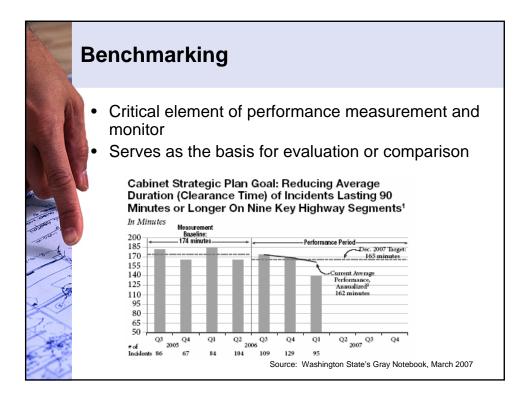


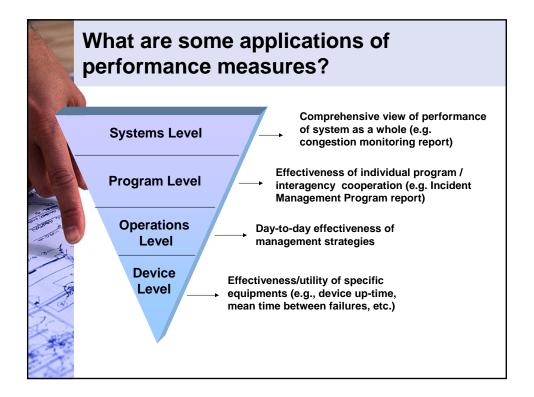




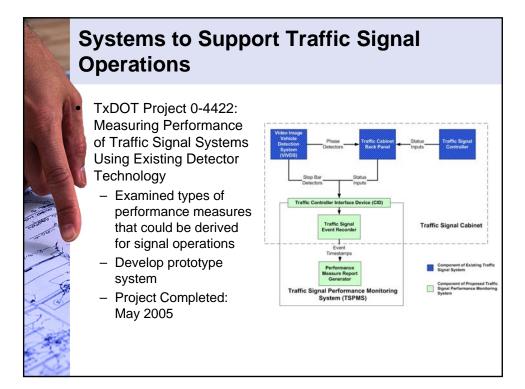


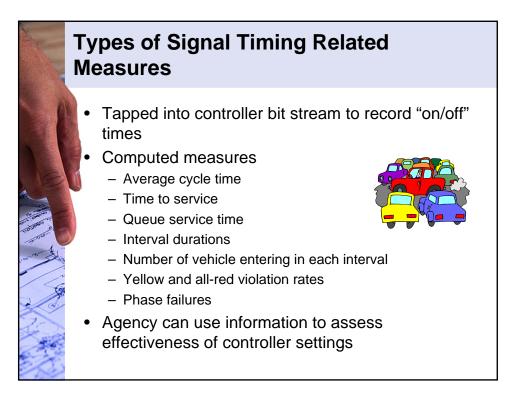


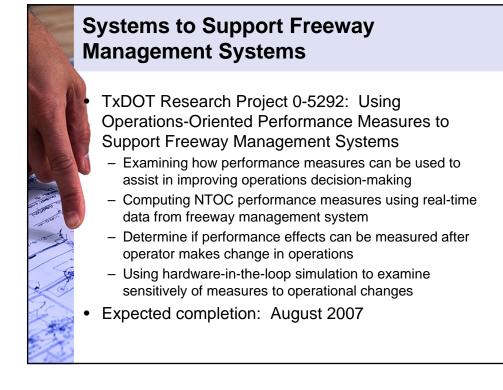


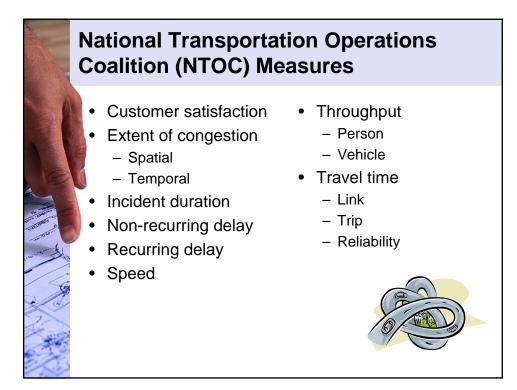


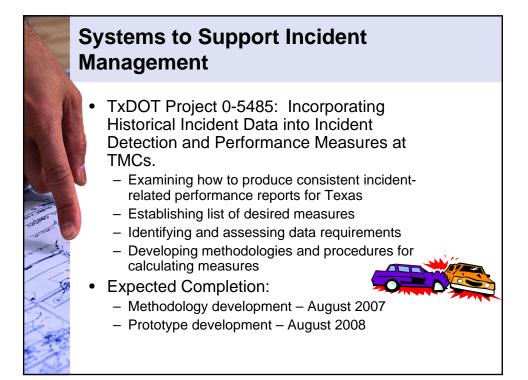












Issues and Recommendations (at least so far)

- Issues
 - Inconsistent application of data between agencies
 - Data needs rarely considered in design of systems
 - Sensitivity of measures to operational changes
 - Requires agencies to have a "new way of thinking"

- Recommendations
 - "Standards" needed to ensure consistent measures
 - Design data collection needs at beginning of project
 - Examine appropriateness of measures
 - Increase awareness / training on use of performance measures

