TRANSPORTATION PERFORMANCE MANAGEMENT THE ARKANSAS STORY

TPM Workshop January 26, 2017

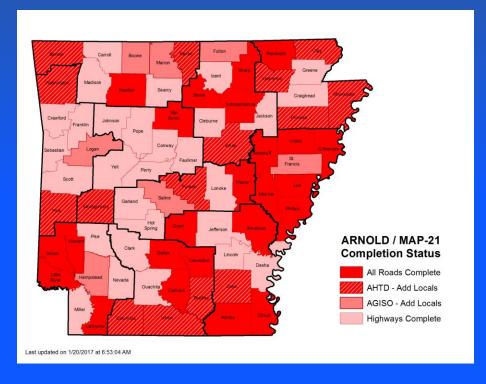
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Current Activities: ARNOLD Network

- All highways, ramps, and frontage roads were complete at the end of December.
- Currently, 40 counties have the all public road network complete.
- Still on schedule to meet the deadline.





Where's the Data?

Enterprise Data Warehousing

Making data available

Traditional AHTD Data Storage



The Future of AHTD Data Storage





That's a lot of Data!



Current Activities: Safety and Mobility Data Business Plan

- Kicked off the Safety and Mobility Data Business Plan late in 2016
- Just completed the initial data gathering stage
- The Safety and Mobility Data Business Plan will be the guide moving forward with the rest of the data that the Department collects.

Current Activities: LRITP

- Developing the states' first performance-based Long Range Intermodal Transportation Plan
- The plan suggest 18 performance measures for the Department
- Expect to go to Public Comment in February



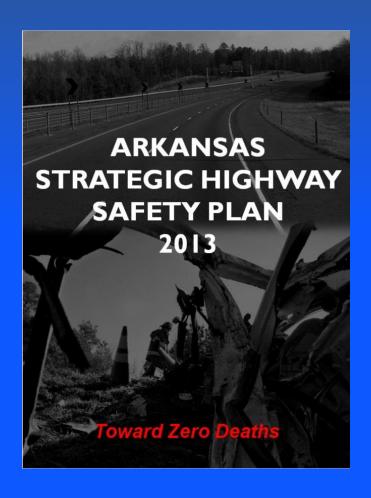
Current Activities: Performance Measures

- Reviewing other States'
 Performance Documents for
 Innovative Measures/Best Practices
- Developing a laundry list of measures in a variety of Performance Areas.
- Reviewing other States' Performance Dashboards



Current Activities: Safety

- Official targets will be set after a Safety Target Setting Workshop.
- The Safety Section has a couple of years experience of setting targets.
- Strategic Highway Safety
 Plan has targets in a number of areas.



Current Activities: Transit



- Established benchmark of 80% of ULB based on Age
- The ULB will be based on Rolling Stock,
 Facilities, and Light Rail.
- Transit Asset
 Management Plan must
 be completed by October
 2018.

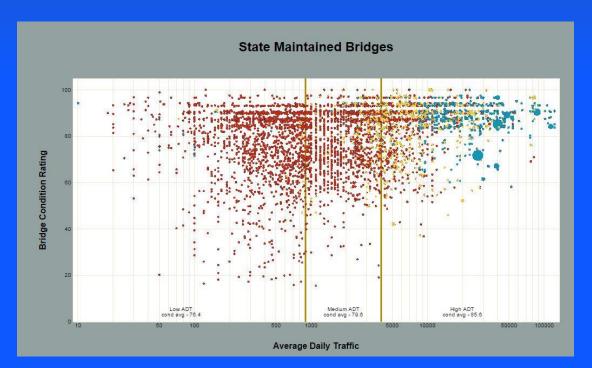
Current Activities: Infrastructure Condition - Pavements

- Developed in-house Cracking software
- Finish running data 2016 for HPMS Submittal
- Go back and run historical data for curve generation
- Developing IRI and Rutting Curves
- Still need to do a lot of homework for dTIMS



Current Activities: Infrastructure Condition - Bridge

 Working on a Bridge Preservation Guideline document. Have dTIMS up and running but going to tweak.



Current Activities: Asset Management

- Asset Management Steering Committee has been formed.
- We have had multiple meeting discussing best practices, assets to be covered, and some techniques for data collection.
- The Steering Committee has decided to bring a consultant on board for the TAMP development

Current Activities: Reliability, Congestion, and Freight

Old Measures

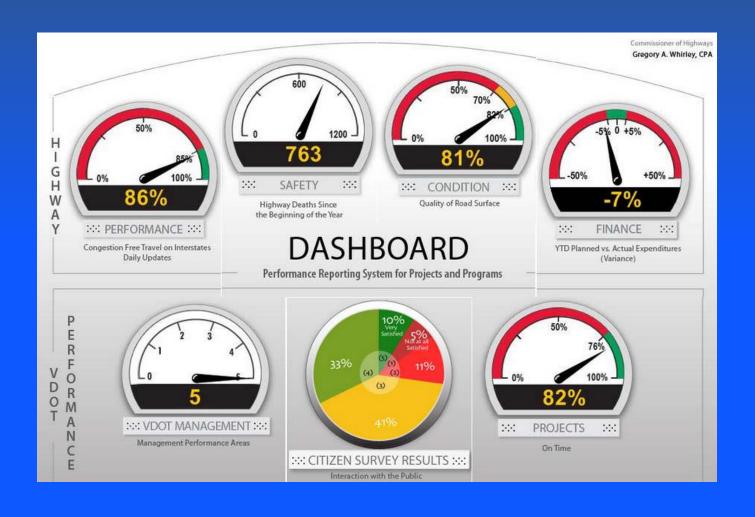
- Percent of Interstates that provide reliable travel times
- Percent of non-Interstate NHS that provide reliable travel times
- Percent of Interstates that meet peak hour travel time expectations
- Percent of non-Interstate NHS that meet peak hour travel time expectations
- Percent of Interstate mileage providing reliable truck travel times
- Percent of Interstate mileage uncongested
- Annual hours of delay per capita
- Total tons of emissions reduced from CMAQ projects

Current Activities: Reliability, Congestion, and Freight

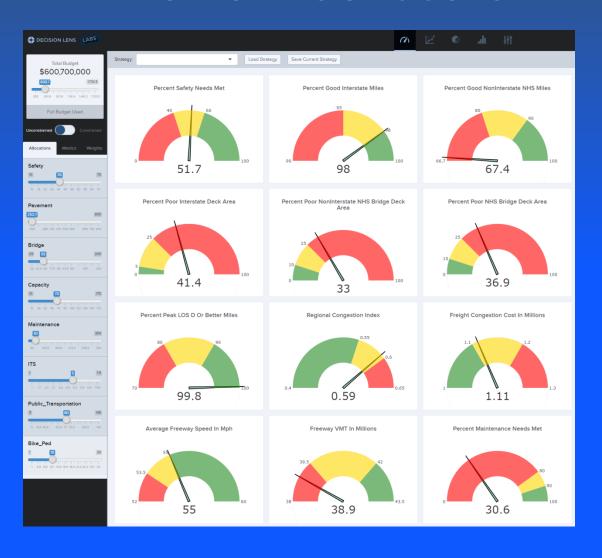
New Measures

- Percentage of reliable person-miles traveled on the Interstate
- Percentage of reliable person-miles traveled on the non-Interstate NHS
- Percent change in CO₂ emissions from 2017, generated by on-road mobile sources on the NHS
- Truck travel time reliability on the Interstate system
- Total emission reductions for applicable criteria pollutes, for nonattainment and maintenance areas
- Annual hours of peak hour delay per capita
- Mode share; specifically, the percent of non-single occupancy vehicle travel, including travel avoided by telecommuting

Future Activities: External Dashboard

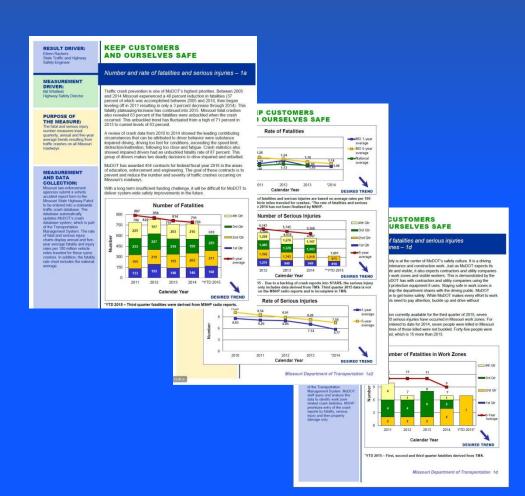


Future Activities: Internal Dashboard



Future Activities: Quarterly Performance Publication

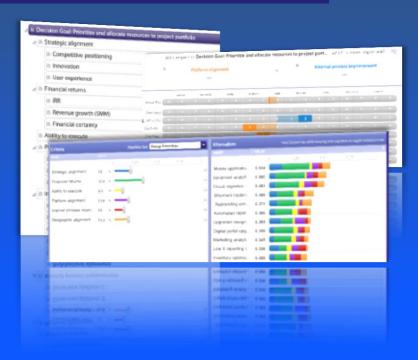
- Produce a performance report quarterly
- Shows all employees and the public how we are performing



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Customize Criteria Establish Priorities

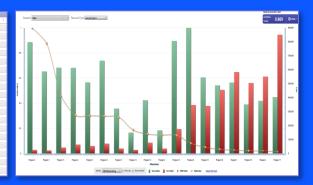
Evaluate Options

Allocate Resources

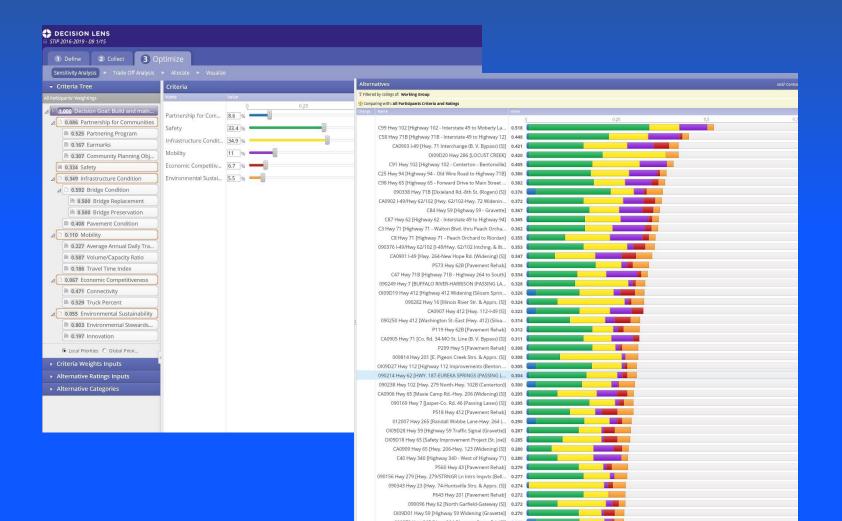








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Questions???