

Session 3: Performance Measurement/Management

Which of the following automated technologies does your agency currently use for collecting data on the operational performance?

- Probe vehicle data (e.g., INRIX, HERE) **INRIX**
- Vehicle re-identification (e.g., Bluetooth readers) **Bluetooth previously**
- Other fixed ITS deployments **Sidefire radar in metro areas, loop detectors by Planning Office**
- Vehicle detector data (aggregate counts)
- Vehicle detector data (high-resolution) **Counts and average speeds, by lane, every 20 seconds**

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- Are the measures used by your agency to track system performance currently available to the general public? If so, is this via a web-accessible interface?

Performance measures by Iowa State/InTrans are on a public website but are not actively trying to show to general public.

Reactor.ctre.iastate.edu

- Does your agency currently utilize any performance measures or management tools that consider multiple modes of transportation? If so, which modes are considered?

Systems Planning Division has been very proactive with freight movement analysis.

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Which of the following performance areas does your agency currently measure?
Which specific measure(s) are utilized for each area?

- Travel time reliability (TTR) on Interstate segments **Calculate Buffer Time Index (BTI) for all interstates**
- TTR on non-Interstate NHS segments **Do not calculate since data is not typically real time using probe data**
- Peak-hour travel times on Interstate and non-Interstate NHS segments **Do not look at peak-hour travel times as a performance measure. We do calculate which times of day experiences the most congestion**
- Truck [commercial vehicle] TTR (TTTR) **Do not calculate anything specific to trucks**
- Levels of congestion on Interstate segments for general purpose and truck traffic **Have mobility reporting looking at the number of congested hours for interstates as well as other speed performance measures. Do not consider truck traffic.**
- Excessive user delay **Have delay as part of traffic critical work zone performance measures.**