

NCHRP 20-7
Guide to Benchmarking Operations Performance Measures

Conference Call - Pilot Test Results and Implementation Guidelines
December 20, 2007 3PM EST
Call number :763-488-3810
Participant Code 907112 followed by #

During the conference CATT would like to briefly review the highlights of the pilot tests and other aspects of the study, and solicit input concerning implementation guidelines, as well as issues related to specific measures. A slide presentation is available on the project website to help facilitate discussion.

Agenda

Accuracy Requirements of Performance Measures
Natural variability in traffic flow as a function of VPHPL
Pilot Test Results – [see corresponding docs on web site]:
 Customer Satisfaction - Mature and well established
 Incident Duration - Mature and well established
 Traffic Flow Measures:
 Quality control processes of base data are critical
 Applications to arterials have special requirements
 Concept of ‘unconstrained travel time’
 Need to measure travel time directly with probe methods
 Travel Time – Facility
 Primary performance measure reported
 Speed – Use primarily to color code web maps and as a surrogate to travel time
 Travel Time – Reliability
 Consistent Implementation
 Recurring Delay
 Used as indicator of cost of congestion
 Extent of Congestion Measures
 Concept is widespread, use of NTOC definitions are not
 Definition of ‘unconstrained travel time’ varies
 Confusion between 30% greater travel time and 30% reduced speed
 Varying thresholds for congestion
 Widespread use TTI or speed index charted for time and extents
 Non-Recurring Delay
 No sample submitted
 Throughput Measures – Vehicle Mature and well established
 Throughput Measures – Vehicle Mature, but not as frequently reported