CMAP Regional Transportation Operations Coalition (RTOC)

CDOT, Ver. 1, 2/9/11

Management & Operations Goals

1) Reduced delay and variability in travel time and congestion for all modes (to be quantified, say 10% less in next 10 years)
2) Reduced time lost to congestion (to be quantified, say 10% less in next 10 years)
3) Real-time data coverage of strategic highway network (to be quantified, say 90% coverage in next 10 years)
4) Integration of advanced traffic management systems (multi-modal, multi-functional, say 90% of systems integrated in next 5 years)
5) Centralized traffic signal control (to be quantified, say 75% of top 50% of signalized intersections ranked by ADT in next 10 years)
6) Reduced transportation crash rate and causality rate (to be quantified, say 20% reduction in next 5 years)
7) Integrated “cashless” payment systems for transportation transactions (to be quantified, say 75% of all transactions for tolls, transit, parking, etc. in next 10 years)

Management & Operations Performance Measures

1) Congested vehicle miles
2) Variation in travel times by facility type, mode
3) Up time for real-time travel information systems
4) Hits or unique visitors to traveler information
5) Megabytes of information transferred between systems
6) Transit Signal Priority calls made and served, time saved
7) Crash rate
8) Number and % of cashless transactions

Management & Operations Projects

1) Citywide Signal Timing Optimization Program (CCAP)
2) Adaptive Signal Control (ASC), Strategic Corridors (EDC, ACS-Lite)
3) Advanced Traffic Controller (ATC) Signal Upgrade and Timing (CMAQ)
4) Pedestrian Countdown Signals (Priority Model/Program)
5) Expanded/Enhanced Detection, Supplement Probe Data for Arterial Performance Monitoring System (APMS)
6) Arterial Variable Message Signs (VMS)
7) Integrated Corridor Management, Smart Corridors, Multi-modal Corridors
8) Centralized Signal Control for traffic management and emergency services.
9) Traveler Information Systems - Website, Integration with Gateway System
10) Chicago Traffic Management Center (TMC), Phase 3
11) Chicago Truck Routes Management and Information System
12) Transit Signal Priority, Bus Rapid Transit on priority routes/corridors