



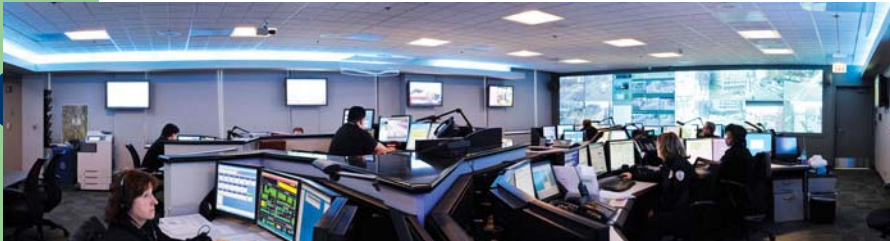
## Project of the Year 2007-08: Nominated Project

### Chicago Data Archive

The Chicago Data Archive (CDA) was created to support planning, engineering, and operation of over 17,000 miles of highways and arterials, 26,000 intersections, and 3,000 signals in the City of Chicago network. Previously traffic, signal, and crash data was held first in separate paper files, then in separate computer files. The CDA assembles all this data in an integrated GIS database to facilitate analysis.

Doing so saves hundreds of hours of time, makes data more accessible, and enables more effective analysis. The CDA consists of three major parts. The traffic database holds ADT, 15-minute counts, classification, and speed for over 1,200 locations citywide. The crash database holds data from the crash reports collected by the CPD. Over 150,000 records are added to the crash database each year. The signal database contains controller and timing data for 3,000 signals. Alone these databases enable ready analysis and statistics on the Chicago traffic network.

Integration of this data into the GIS-based CDA unleashes the real power of the data, enabling sophisticated and complex planning, engineering, and operations analysis. Examples illustrate the applications enabled by the CDA. New signals are prioritized, corridor timing plans reviewed and revised including multi-modal Transit Signal Priority. Impacts of Red-Light cameras on specific crash types can be assessed. High crash locations are identified for engineering or operational improvements.



Project  
Chicago Data Archive  
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