

Abstract

The Regional Transportation District's ArcIMS GIS Data Server

Track: Transportation

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The Regional Transportation District (RTD) of Denver has developed a GIS Data Server. The server offers the means to map, track, display, query, and analyze "people moving" processes. Among the many benefits are the abilities to track buses spatially in real-time and to geocode customer locations on the fly in order to visualize the closest stop, route, and bus. Using ArcIMS, the server accesses an ArcSDE database. The database contains orthophotography, topography, centerlines, ZIP Codes, schools, districts, railroads, stops, park-n-rides, and routes. Real-time bus locations or Automated Vehicle Locations are captured from each bus and uploaded via GPS every two minutes.

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