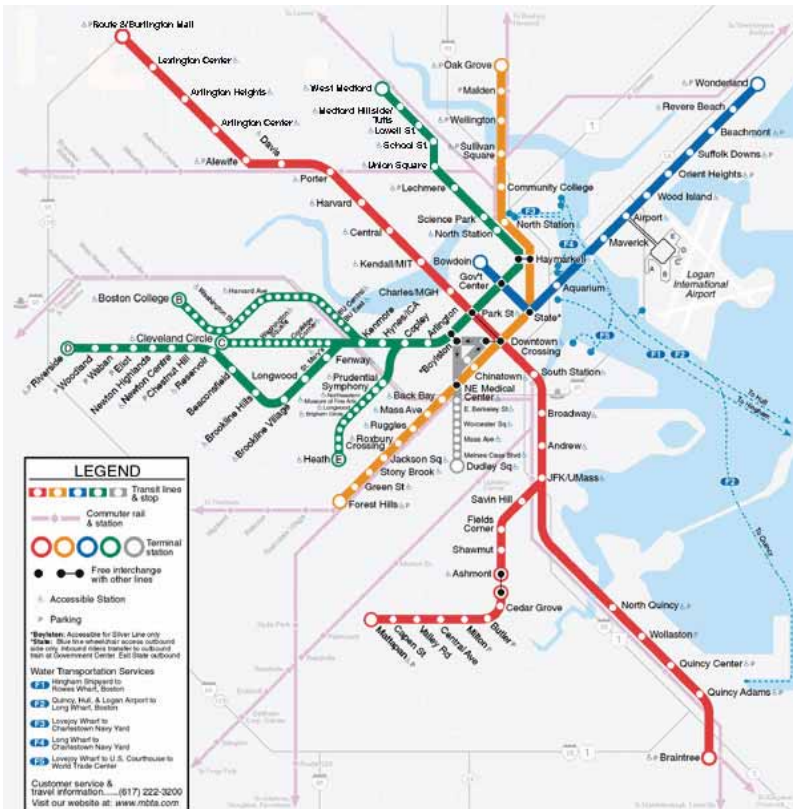


Light Rail Roll

A Capsule Look at Light-Rail Systems Around North America



◀ MBTA Green Line, Boston, Massachusetts

What's New: The Massachusetts Bay Transportation Authority (MBTA), which operates Boston's transit network, is rebuilding its North Station stop on the Green and Orange lines into "Super Station," featuring cross-platform connections between the lines, and relocation of the elevated Green Line aerial structure underground. Green Line service, suspended north of North Station to Science Park and Lechmere since June of 2004 to allow the relocation, will resume in the fall of 2005.

Key Fact: What is now the Green Line is the oldest subway in North America, first opening in 1897. As a light-rail network, it is also the longest continually operating system in North America.



Stations: 73
 Track: 26 miles
 Cars: 232 from Pullman-Standard, Boeing-Vertol, Kinki-Sharyo and Breda
 Fares: \$1.25 (for most trips)

Call

RTD Light Rail: Denver, Colorado

What's New: Denver's Southeast Corridor highway and light-rail expansion program (known as T-REX) will add 19 new miles of light rail with 13 new stations and is scheduled to open in December 2006. As part of this project, the system opened the Elati Light Rail Maintenance Facility earlier this year – a state-of-the-art, 125,000-square foot facility capable of handling 100 light-rail vehicles.

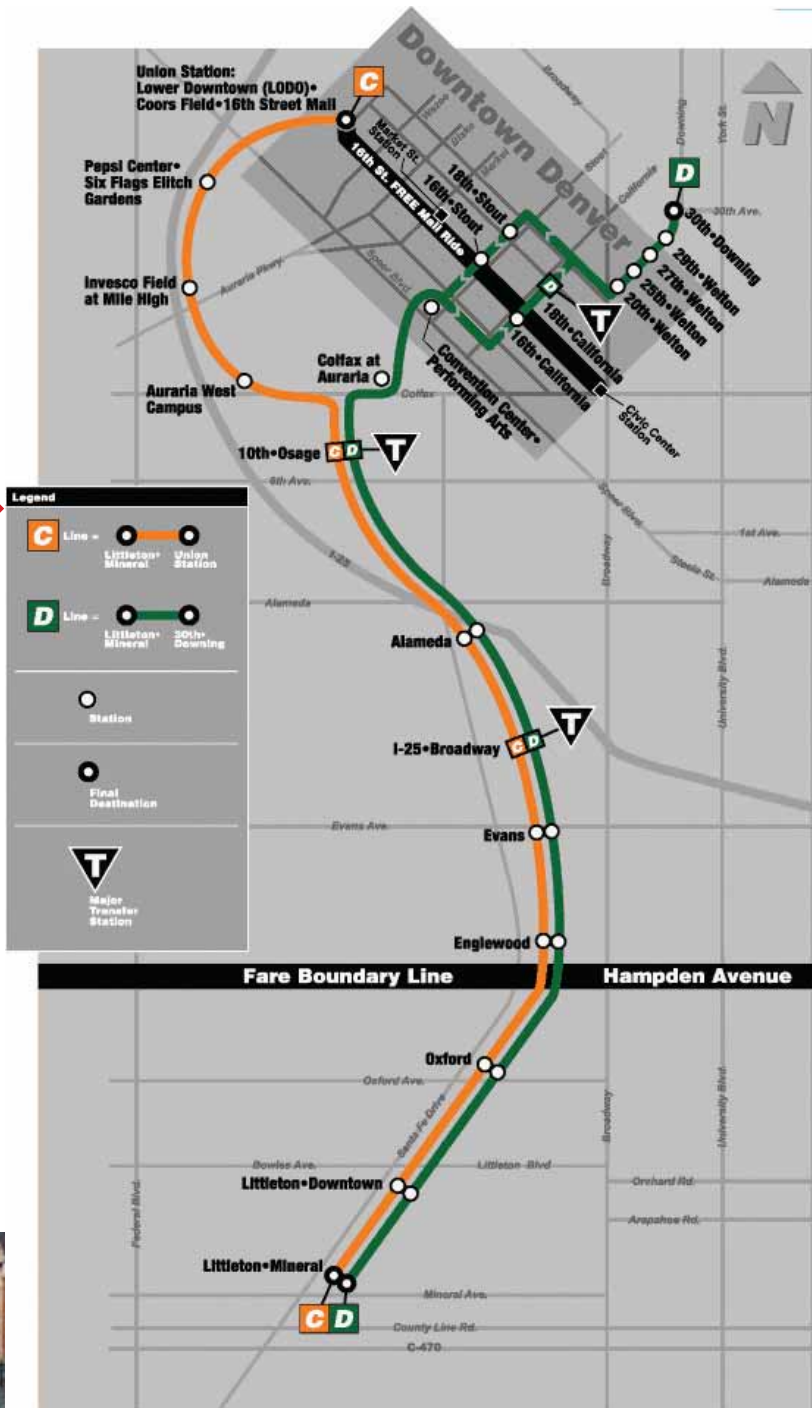
Key Fact: Last November, voters in the eight-county Denver region approved a sales tax increase for transit expansion.

Stations: 24

Track: 15.8 miles

Cars: 49 Siemens Sars

Fares: From \$1.25 to \$2.75



nesota

What's New: The Hiawatha light-rail service celebrated its first anniversary in late June. The single line – through downtown Minneapolis, past the Minneapolis-Stipule Airport and on to the Mall of America – enjoyed ridership its first year that exceeded expectations by more than 60 percent. In its first year, the line provided more than 5.6 million rides.

Key Fact: Plans are underway to bring commuter rail to the Twin Cities. Known as the North Star, the commuter line will directly connect with the city's Hiawatha light rail.

- Stations: 17
- Track: 12 miles
- Cars: 24 from Bombardier
- Fares: \$2 during rush hours; \$1.50 otherwise.



San Diego Trolley: San Diego, California

What's New: In July, the Mission Valley East trolley line extension opened, closing a nearly six-mile gap in the system and opening four new stations. The extension is expected to generate more than 11,000 new trolley trips a day, it adds service to San Diego State University at the system's first underground station.

Key Fact: San Diego's Trolley light-rail service is one of the oldest in the U.S., with service beginning in 1981.

- Stations: 54
- Track: Three lines (Orange, Blue and Green) totaling 52.1 miles
- Cars: 123 from Siemens
- Fares: \$1.25 to \$3.00, depending on the distance





Edmonton Light Rail Transit: Edmonton, Alberta, Canada

What's New: The first segment of Edmonton's South Light-Rail Transit extension to the Health Sciences Station is set to open in early 2006. One of North America's oldest light-rail systems, it first opened in 1978, this extension marks Edmonton's first extension since 1992 with plans calling for the line to extend south to the city's Heritage Mall.

Key Fact: Edmonton's light-rail expansion will be aided by a gas revenue sharing program between the Canadian government and local municipalities. Canada will provide \$650 million based on 81¢/liter gas tax revenue for municipal transit projects over the next two years.

- Stations: 10 (six below ground)
- Track: 12.3 km
- Cars: 37 from Siemens
- Fares: \$2 (Cdn.)

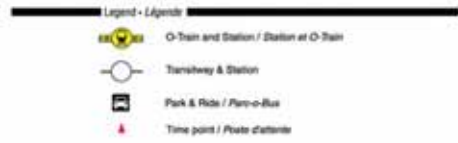


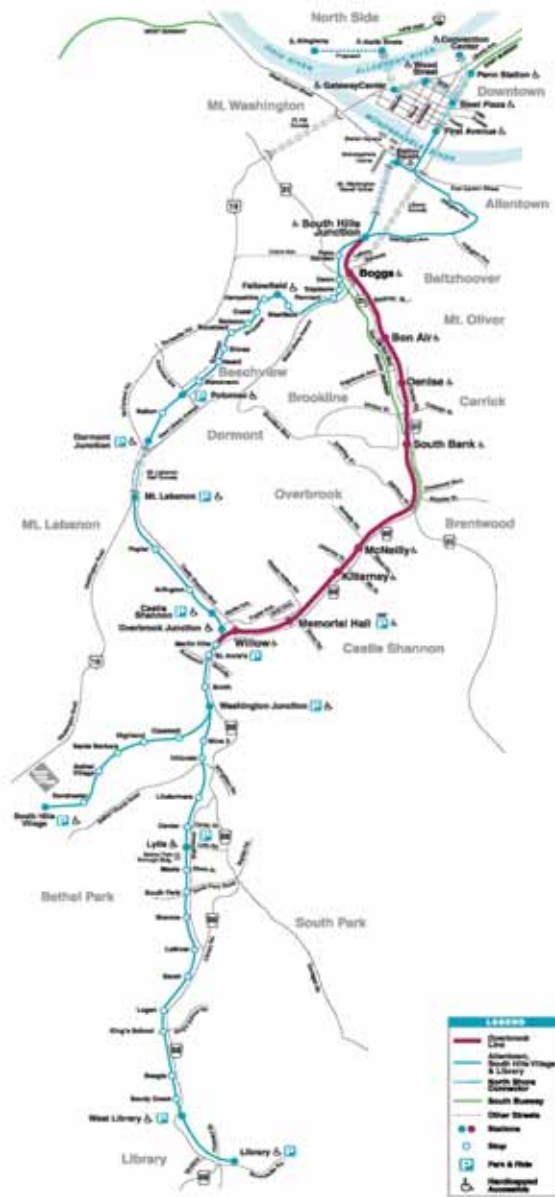
O-Train: Ottawa, Ontario, Canada

What's New: Originally launched as a pilot project in 2001, Ottawa's O-Train has now attracted more than 5 million passengers since its inception and plans are underway to significantly increase the system from its current size – including service to the airport, and the towns of Nepean, Kanata and Orleans. In May, the city announced that with both federal and provincial investment, funding is available for the first part of the O-Train's expansion – the north-south corridor.

Key Fact: Ottawa is slated to build a comprehensive rapid transit network with the O-Train as its centerpiece. The entire project is now scheduled for completion in 2021.

- Stations: 6
- Track: 5 miles
- Cars: 3 Bombardier DMUs each consisting of three articulated sections
- Fares: \$2.10 (Cdn.)





The T: Pittsburgh, Pennsylvania

What's New: In June 2004, the Port Authority of Allegheny County re-opened the five-mile Overbrook Line, which had been closed since 1993 to modernize its trackbed and infrastructure. Design and engineering is underway to expand the system another 1.5 miles, underneath the Allegheny River to the North Shore where stadiums for the Pittsburgh Pirates and Steelers are located, and another 0.3-mile spur to the Pittsburgh Convention Center. Completion is expected in 2009.

Key Fact: Most of Pittsburgh's light-rail system operates over routes that have been in continual service for over a century. The network was upgraded to light-rail standards in the 1980s.

- Stations: 71
- Track: 30.2 miles
- Cars: 68 from Siemens
- Fares: \$1.25 to \$2.75; additional charges for peak hours



Hudson-Bergen Light Rail: Hoboken, New Jersey

What's New: The first stations north and west of the Hoboken terminal area opened in September 2004, to reach Lincoln Harbor and two other stations. Completion of the originally-planned 20-mile network is expected by the end of 2005, when an extension to Tonelle Avenue in Bergen County opens.

Key Fact: Hudson-Bergen Light Rail employed the nation's first Design, Build, Operate and Maintain approach through a public-private initiative with the 21st Century Rail Corporation and the Washington Group.

- Stations: 20
- Track: 17 miles
- Cars: 29 from Kinki-Sharyo
- Fares: \$1.75



TRAX: Salt Lake City, Utah

What's New: In July, city and federal elected officials opened the Salt Lake City Transit Hub, a facility destined to bring together Amtrak, Greyhound, Utah Transit Authority buses and TRAX light rail. The city's soon-to-be completed commuter rail service, too, will serve the new Transit Hub.

Key Fact: Commuter rail will begin serving the Salt Lake City region in 2008 and will connect with the city's popular TRAX light-rail service.

- Stations: 23
- Track: 18.5 miles
- Cars: 33 from Siemens
- Fares: \$1.40



MAX: Portland, Oregon

What's New: Portland may not have been the first city to adopt light rail in the U.S., but none have embraced it as thoroughly as the Rose City. More than 100,000 people ride the MAX every day. Last year, the 5.8-mile Yellow Line was completed, four months ahead of schedule and nearly \$25 million under budget. The city's next light-rail extension will be along the South Corridor, and is scheduled to be completed in 2008.

Key Fact: Portland's light rail innovations include the adoption of low-floor light-rail vehicles, the development of five intermodal transit centers to enhance bus-rail transfers, and traffic signal pre-emption technologies.

- Stations: 62
- Track: 86.8 miles along three lines (Blue, Red and Yellow)
- Cars: 78 from Siemens
- Fares: \$1.80



Metro Rail System Map

metro.net



Metro Rail: Los Angeles, California ▲

What's New: Los Angeles's Blue-Line, connecting Long Beach with downtown, is experiencing record ridership. In the most recent 12-month period, the Blue Line averaged more than 76,000 daily passengers – totaling 21 million annual riders. June was the highest monthly ridership in the Blue Line's 15-year history.

Key Fact: In July, Los Angeles Mayor Antonio Villaraigosa pledged to not only continue building the region's burgeoning passenger rail network, but to ride the system himself. Plans are underway to extend light rail to Culver City and beyond – even as far as Santa Monica.

Stations: 48

Track: 55.7 miles along three lines (Blue, Gold and Green)

Cars: 121 from Siemens

Fares: \$1.25