Bus rapid transit in other cities

Boston, Mass.



Eugene, Ore.



The Eugene Emerald Express (EmX) operates using both separate running ways and in dedicated lanes alongside mixed traffic. The separate running ways account for about 60 percent of the route and consist of exclusive single and dual bus lanes. The remaining 40 percent of the route is dedicated bus lanes, which are at a grade and separated from general traffic by yellow bus lane marking. When operating alongside traffic, the EmX utilizes traffic signal prioritization and queue jump lanes.

The Massachusetts Bay Transit Authority's (MBTA) Silver Line in Boston

Cleveland, Ohio



Las Vegas, Nev.

The HealthLine operates in Cleveland in dedicated bus lanes and uses traffic signal prioritization. In downtown Cleveland, buses run along exclusive lanes in the center of the street.



The Metro Area Express (MAX) in Las Vegas has 4.5 miles of dedicated lanes out of a total route of 7.5 miles. These dedicated lanes are aligned at the curb and shared with right turning traffic. The Strip Downtown Express (SDX) includes the same elements as the MAX plus a central median and dedicated right of way for 2.25 miles.

Los Angeles, Calif.



The Orange Line operated by the Los Angeles County Metropolitan Transit Authority (Metro) is a two lane, fourteen mile dedicated busway. The Orange Line operates using signal prioritization, dedicated bus lanes and uses an existing railroad right of way.

Kansas City, Mo.



The Metro Area Express (MAX) runs on a 6-mile linear route in Kansas City. The MAX operates using bus-only curb lanes during peak hours and full time bus-only lanes in downtown Kansas City. The MAX is also given signal priority during peak hours.



Bus rapid transit service uses high capacity buses in their own guideway or mixed in with traffic, with limited stops and a range of transit priority treatments to provide speed, frequency and comfort to users. Most stations have significant and easily identifiable passenger infrastructure, including waiting areas that are weather protected. Additional station amenities may include real-time schedule information, trip planning kiosks, ticket machines, special lighting, benches and bicycle parking.



The Wall Street Journal, "The Commute of the Future," Sept. 27, 2012.

What is bus rapid transit?

Vehicles

Bus rapid transit vehicles often have a larger passenger capacity than conventional buses and utilize modern designs and special branding to differentiate bus rapid transit from standard local bus service. They often have level-platform boarding and multiple doors to make entering and exiting the vehicles easier and faster. Many bus rapid transit systems use vehicles with alternative fuels and pollutant emissions controls.



Cleveland vehicle (Matt Johnson, GGW)





Eugene vehicle

Vehicle interior

Stops and stations

Bus rapid transit stations are generally spaced further apart than standard service stops in order to improve travel time for riders. Stations are typically designed similarly to light rail stations, with features that enhance the passenger experience. These may include enhanced shelters, improved accessibility, improved security elements, and real-time arrival information. Stations contribute to the branding of bus rapid transit systems that distinguish them from standard bus service.



Eugene station and crosswalk



Cleveland's HealthLine (Institute for Transportation and Development Policy; Urban Indy)

Dedicated lanes

Bus rapid transit can operate in mixed traffic, in transit priority lanes or in dedicated transitways. Dedicated transitways operate much like light rail tracks, providing the bus rapid transit with exclusive use of a transit guideway that greatly improves speed and reliability. Transitways could be constructed over long distances or over shorter distances in targeted areas, and could operate in one or both directions.



Eugene double track median guideway with landscaping

Eugene single track median guideway and station

Off-board ticketing

Some bus rapid transit systems include off-board ticketing similar to light rail. Off-board ticketing allows passengers to board through either door, expediting boardings, minimizing vehicle time at stations and contributing to improved travel times and reliability.





Eugene fare machine with emergency call button

Cleveland fare machine (Marvin Fong, The Plain Dealer)

Eugene dedicated lane and station



Business access and transit lanes

Transit priority lanes might include business access and transit (BAT) lanes, where buses share the lane with autos turning right at the next intersection or into a business. BAT lanes can operate all-day or only in peak periods. BAT lanes provide auto access to businesses along the route while allowing bus rapid transit vehicles to bypass congestion on the main roadway.





Seattle Department of Transportation