

## BUS RAPID TRANSIT

### What is Bus Rapid Transit (BRT)?

Bus Rapid Transit (BRT) is flexible premium rapid transit service that provides many of the benefits of light rail or commuter rail service but at a significantly lower capital cost. This integrated system uses specialized vehicles on roadways or dedicated lanes to quickly and efficiently transport passengers to their destinations, while offering the flexibility to meet a variety of local conditions.

BRT systems typically feature the latest technology hybrid or electric vehicles, dedicated lanes and/or traffic signal prioritization, permanent stations, real-time schedule updates, and "smart" fare collection systems.



*(Cleveland Health Line BRT, on display at Victory Field in 2011, is an example of a typical BRT vehicle)*

### How will BRT routes differ from local bus routes?

The four proposed BRT corridors are high density, heavily traveled routes that connect key economic centers within the region. Depending on the best design for the particular route, BRTs will run in dedicated bus lanes or will move in mixed traffic lanes with traffic signal priority and "queue jumps" that let the BRT move ahead of other traffic at signal lights.

Permanent stations will be spaced about a half mile apart, and the BRTs will run every 7.5 minutes during peak times, and every 15 minutes in off-peak.

The BRT routes will feature longer vehicles with multiple entrances and exits to let large numbers of riders quickly move between the station platforms and the BRT vehicles.



*(Cleveland Health Line BRT station)*

### **What state-of-the-art technologies will be incorporated in the BRT corridors?**

BRT generally incorporates ITS (intelligent transportation system) applications such as Transit Signal Priority, advanced communication systems, automated scheduling and dispatch systems, and real-time traveler information at stations and on vehicles for faster and more convenient trips.



What communities have successful BRT corridors today?



*(Everett, Washington)*



*(Cleveland built a 7 mile BRT route on Euclid Avenue called the Healthline)*



*(Kansas City MAX line)*



*(Eugene Oregon EmX line)*