

Kimley»Horn

Expect More. Experience Better.

What is BRT?



Rapid. High-quality. Brand-distinguished. Bus Service. Rail Level of Service (Frequency, Capacity, Quality, Reliability)



U.S. Federal Transit Administration – BRT

Corridor-Based

Separated right-of-way



Fixed Guideway

ROW dedicated for transit

- Substantial investment in specific corridor or right-of-way
- Defined stations
- Traffic signal priority for buses
- Short headway times
- Bi-directional services for substantial part of weekday and/or weekend



System Performance

Improvements made possible with BRT applications include:





traffic flow. All types of running way can be

combined into a single route. Additional running way attributes may include BRT "queue jumper" lanes to arcumvent heavy

traffic congestion.

Running Way
BRT systems have an exclusive running way or can share HOV or Managed Lanes. They can also operate on marked lanes or in mixed

NEXT ARRIVAL

2 & 15 MIN

Buses always get the green light!
ITS technology guides the integration of
BRT operations into the street network.
Traffic signal priority controls and
appropriate signal pre-emption allow
BRT transit ways to be at-grade and
integrated into mixed traffic flows.

BRT transit station ITS features include "Next Bus..." messages with real-time, web-based vehicle tracking and CCTV/security enhancements.

Service and Operating Plan

ITS

BRT systems provide low headways compared to traditional bus service, typically well below 10 minutes. Routes are designed with limited station stops, resulting in increased average speed. Longer routes are also common, often serving the entire corridor from downtown to the suburbs.

Demand Responsive Operations

Special types of BRT applications with driver assistance ITS systems that provide "demand responsive" information allow BRT to provide a bus at the specific time and place desired — a great advantage during off-peak hours or in low-density service areas.



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Montgomery County, MD





Median Running BRT









Miami South Busway





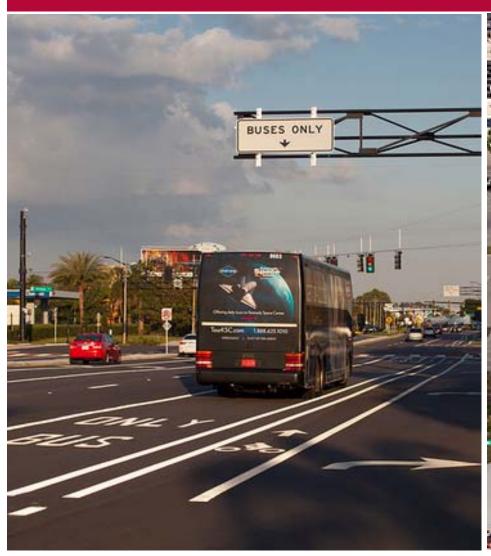
Dedicated Curbside Bus Lanes







Orlando I-Drive





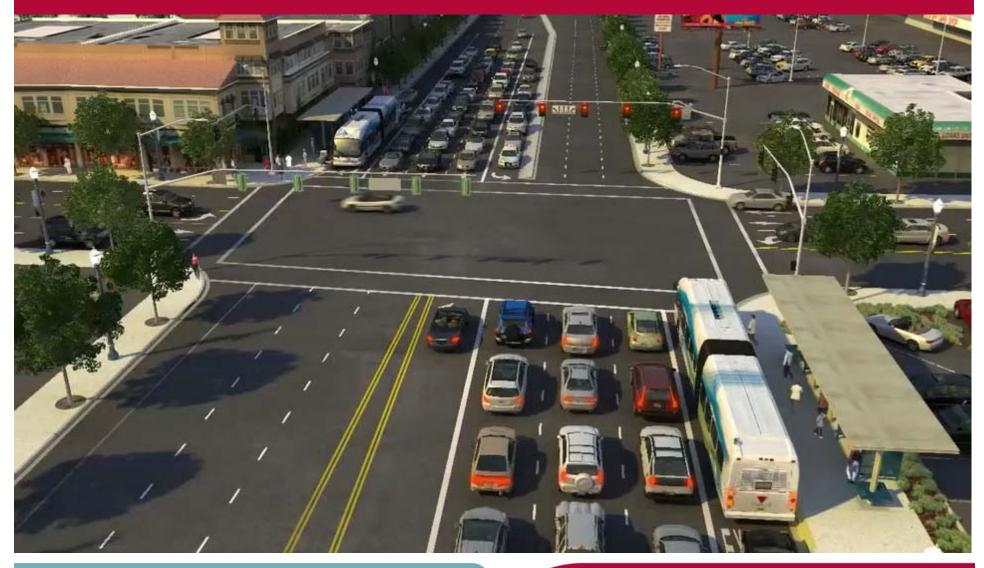


Transit Signal Priority





Bus Queue Jump





FDOT Queue Jump Pilot





BRT Branding and Station Amenities





Cleveland Health Line BRT





Richmond Pulse BRT





Infrastructure and Technology

















Transit Priority





New York MTA Webster Ave BRT





AC Transit San Leandro BRT





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