

Bus Rapid Transit Update

**Presented by AC Transit to the Mayor's Commission on
Persons with Disabilities
April 16, 2012**



BRT – CREATING A UNIVERSALLY ACCESSIBLE BUS SYSTEM

What is BRT?

1. Stations with a rail-like appearance
2. Frequent service (every 5 minutes)
3. Dedicated lanes for buses and emergency vehicles
4. Stop spacing every 1/3 mile (closer than current Rapid)
5. Improvements to pedestrian environment, landscaping and safety

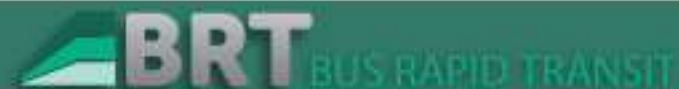


BUS RAPID TRANSIT

BRT – CREATING A UNIVERSALLY ACCESSIBLE BUS SYSTEM

Why BRT?

1. Improves riders' experience—safety, security, frequency, reliability, and accessibility
2. Improves street environment for all—landscaping, pedestrian improvements, curb ramps, lighting
3. Improves passengers' ride —less congestion equals less need for driver to “jack rabbit” to keep on schedule
4. Improves financial sustainability—congestion costs money in order to maintain the same level of service, and increased fares from more riders improves the bottom line!



BRT – CREATING A UNIVERSALLY ACCESSIBLE BUS SYSTEM

BRT Improves Transit Accessibility & Safety

1. **Level Boarding between station platform & bus floor**
 - Better accessibility for all users – ramp used infrequently
2. **All BRT stations with ADA-compliant access ramps, fare vending machines and way-finding signs**
3. **Standard tactile pavement for safe circulation at stations**
4. **Station designs reduce uncomfortable lateral movement of the bus**
5. **Smoother acceleration and braking reduces on-board falls**



BRT Level Boarding & Precision Docking



Clockwise: Las Vegas, Netherlands, Cleveland, France



BRT BUS RAPID TRANSIT

BRT – CREATING A UNIVERSALLY ACCESSIBLE BUS SYSTEM

BRT Improves Safe Routes to Transit

1. AC Transit will install ADA curb ramps at all street corners on corridor
2. Upgrade crosswalks at all minor intersections to high visibility
3. Install ≈80 pedestrian bulbs
4. Build 19 new pedestrian/bus bulbs
5. New roadway pavement creates smoother ride
6. New landscaped medians and pedestrian refuges
7. AC Transit installs 25 new traffic signals
8. AC Transit installs 15 new pedestrian-only signals
9. Upgrade all traffic signals with pedestrian countdowns



BRT – CREATING A UNIVERSALLY ACCESSIBLE BUS SYSTEM

BRT Improves Neighborhood Safety

1. Monitored security cameras at all BRT stations
2. Emergency phones provided at all BRT stations
3. New high quality lighting installed at all BRT stations and adjacent sidewalks and crosswalks
4. Working with city to expand lighting to entire corridor



BRT – CREATING A UNIVERSALLY ACCESSIBLE BUS SYSTEM

BRT Improves Reliability and Saves Time for All Passengers

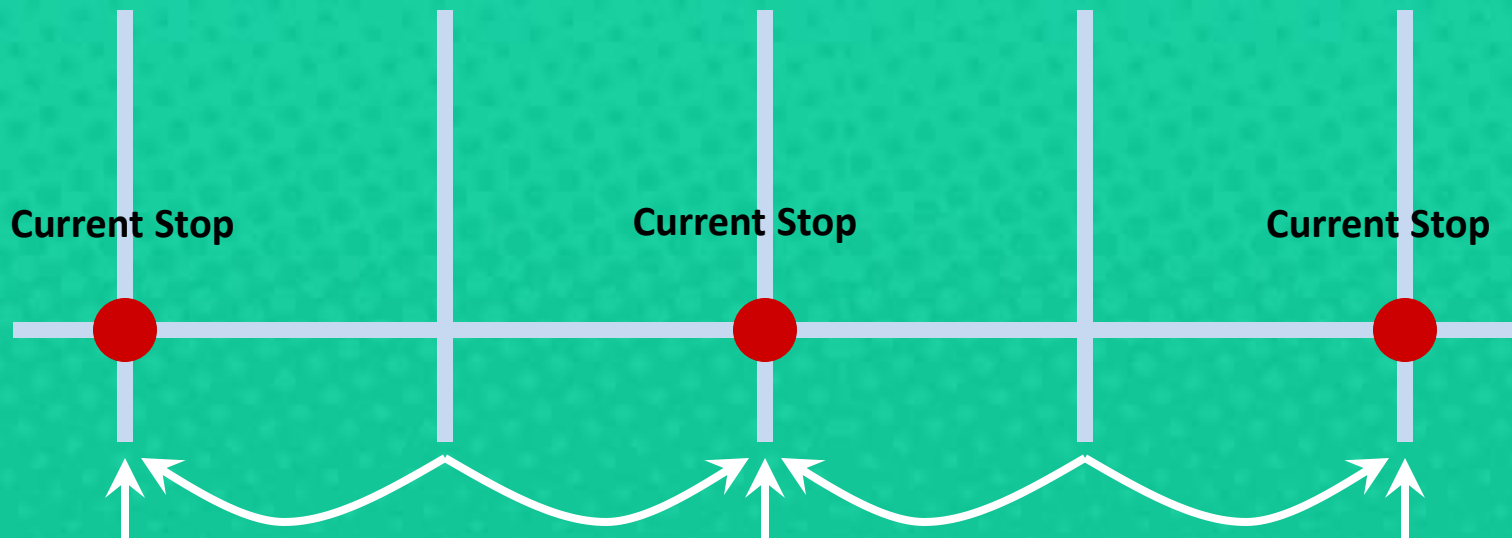
1. When buses run more reliably, it promotes a less rushed boarding experience for passengers
2. Buses do not speed, but spend less time stopped in congestion due to the dedicated lanes
3. Off-board fare payment facilitates boarding
4. Efficient station locations accommodates the most passengers while minimizing inconvenience to current passengers



Stop Spacing

Existing

Stop every $1/6^{\text{th}}$ mile (900 feet)



Stop Spacing

BRT

Station every 0.3 mile (1,600 feet)



Stop Spacing

Some local bus stops removed with BRT

85% of riders unaffected

They walk to the same station as today

15% of riders would need to go to a different station

Some passengers have no increase in walk distance

Some passengers walk further but, the walk distance is on average one additional block



11th St and Harrison St





11TH STREET @ HARRISON STREET
OAKLAND

EXISTING CONDITIONS




BRT BUS RAPID TRANSIT



11th STREET @ HARRISON STREET
OAKLAND

PROPOSED CURBSIDE STATION
CANOPY OPTION C



 **BRT** BUS RAPID TRANSIT

International Blvd and 34th Ave





INTERNATIONAL BLVD @ 34TH AVE - OAKLAND LOOKING SOUTHWEST
EXISTING





INTERNATIONAL BLVD @ 34TH AVE - OAKLAND LOOKING SOUTHWEST



International and 82nd





INTERNATIONAL BLVD @ 82ND AVE - OAKLAND LOOKING NORTHWEST
EXISTING



INTERNATIONAL BLVD @ 82ND AVE - OAKLAND LOOKING NORTHWEST

International Blvd and 99th Ave





INTERNATIONAL BLVD @ 99TH AVE -MITIGATED OAKLAND LOOKING NORTHWEST
EXISTING





INTERNATIONAL BLVD @ 99TH AVE -MITIGATED OAKLAND LOOKING NORTHWEST



International Blvd and Durant Ave





INTERNATIONAL BLVD @ DURANT AVE - OAKLAND LOOKING SOUTHWEST
EXISTING





INTERNATIONAL BLVD @ DURANT AVE - OAKLAND LOOKING SOUTHWEST



BRT Timeline

