



# **U.S. 36 Bus Rapid Transit Update Miami-Dade**

August 6, 2015

# U.S. 36 Bus Rapid Transit (BRT)

- Part of 2004 voter-approved FasTracks Plan
- Only non-rail line in FasTracks
- Collaboration with CDOT
- 18 miles, Denver to Boulder
- 6 stations, serves 5 cities

## RTD's BRT Vision

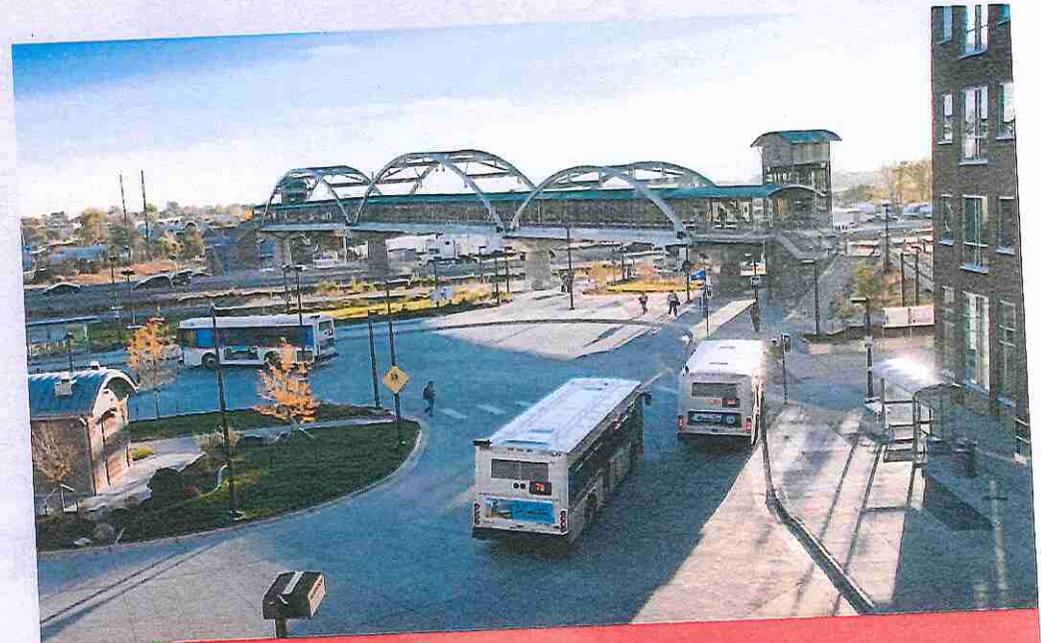
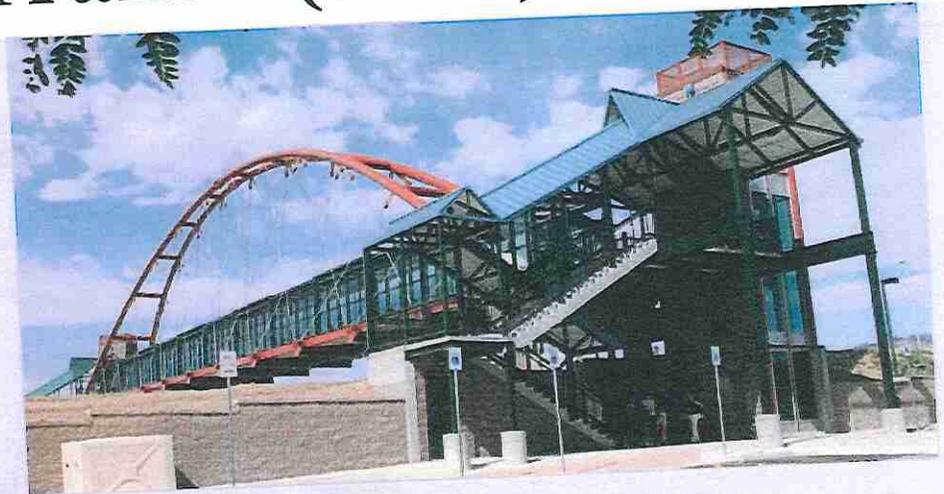
- Frequent and reliable BRT service, same or better than rail
- Specialized "branded" buses
- Running Way
- Permanent BRT stations
- Off-board fare Collection
- Real-time transit information



# U.S. 36 Bus Rapid Transit (BRT)

RTD's early action BRT projects, completed in May 2010

- *McCaslin*: pedestrian bridge and slip ramps
- *Church Ranch*: Park-n-Ride relocation and slip ramps
- *Broomfield*: new Park-n-Ride, pedestrian bridge and slip ramps



# U.S. 36 Express Lanes Project

- Construction started in 2012
- Built in two phases
  - Phase 1 opened June 22
  - Phase 2 to open early 2016
- Project scope:
  - Reconstruct U.S. 36
  - Add express lane in each direction for BRT, HOV and tolled SOV
  - Replace/widen 11 bridges
  - Construct 12-ft wide shoulders for Bus on Shoulder operations
  - Construct new BRT station canopies
  - Construct 18-mile bikeway
- Project cost—\$497.4M
  - RTD FasTracks commitment—\$142.5M

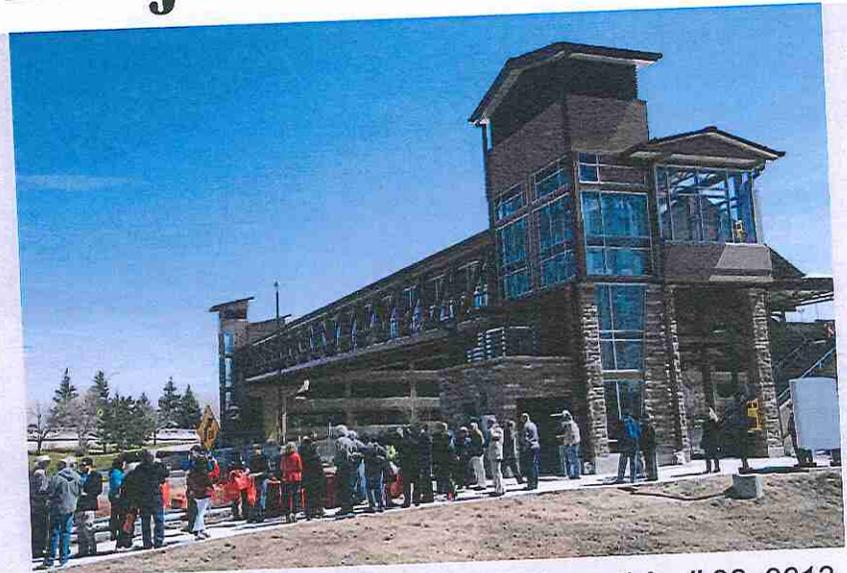
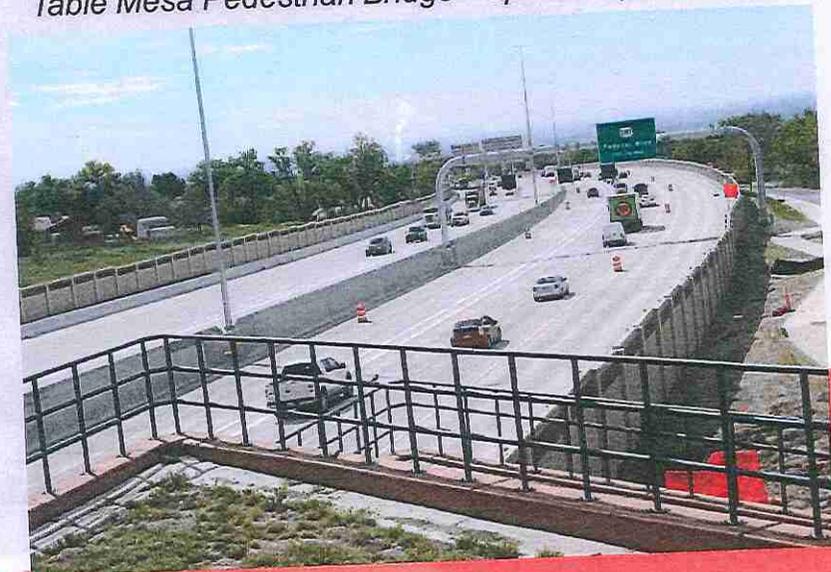


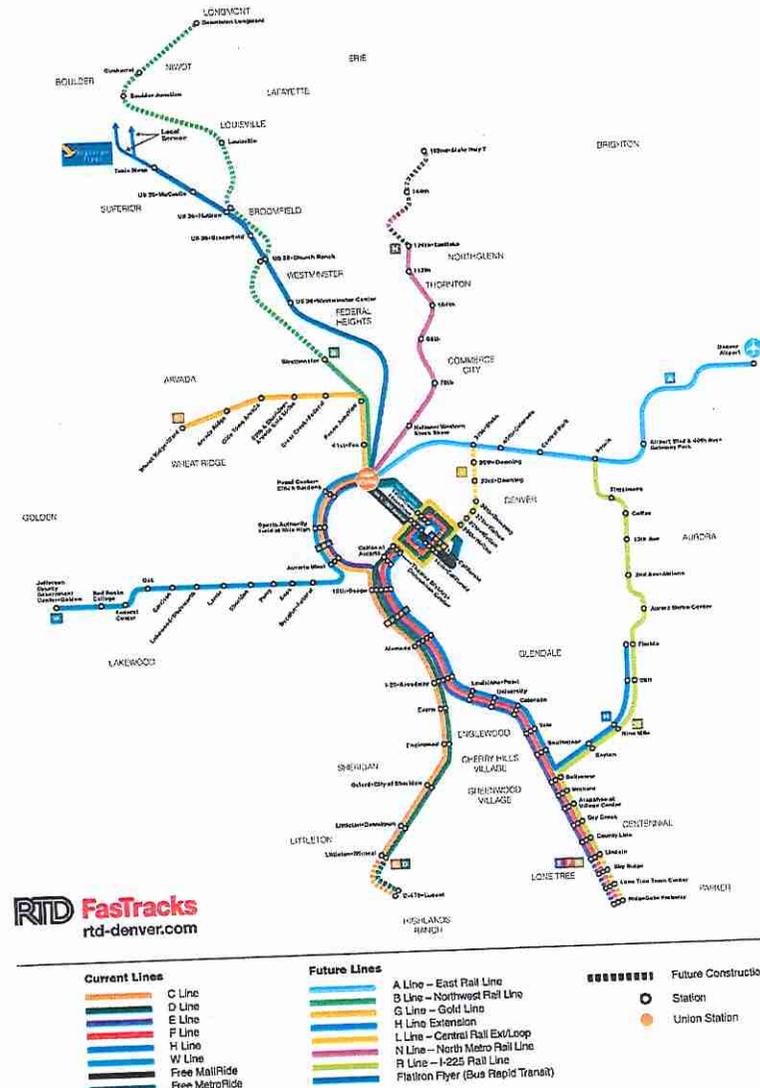
Table Mesa Pedestrian Bridge—opened April 28, 2013



Lanes open in Phase 1

# Bus Rapid Transit—Flatiron Flyer

- Improve reliability
- Optimize bus travel times
- Improve connectivity within corridor and to other parts of RTD system



# Bus Rapid Transit—Flatiron Flyer

Choice of *express* or *all-station* service

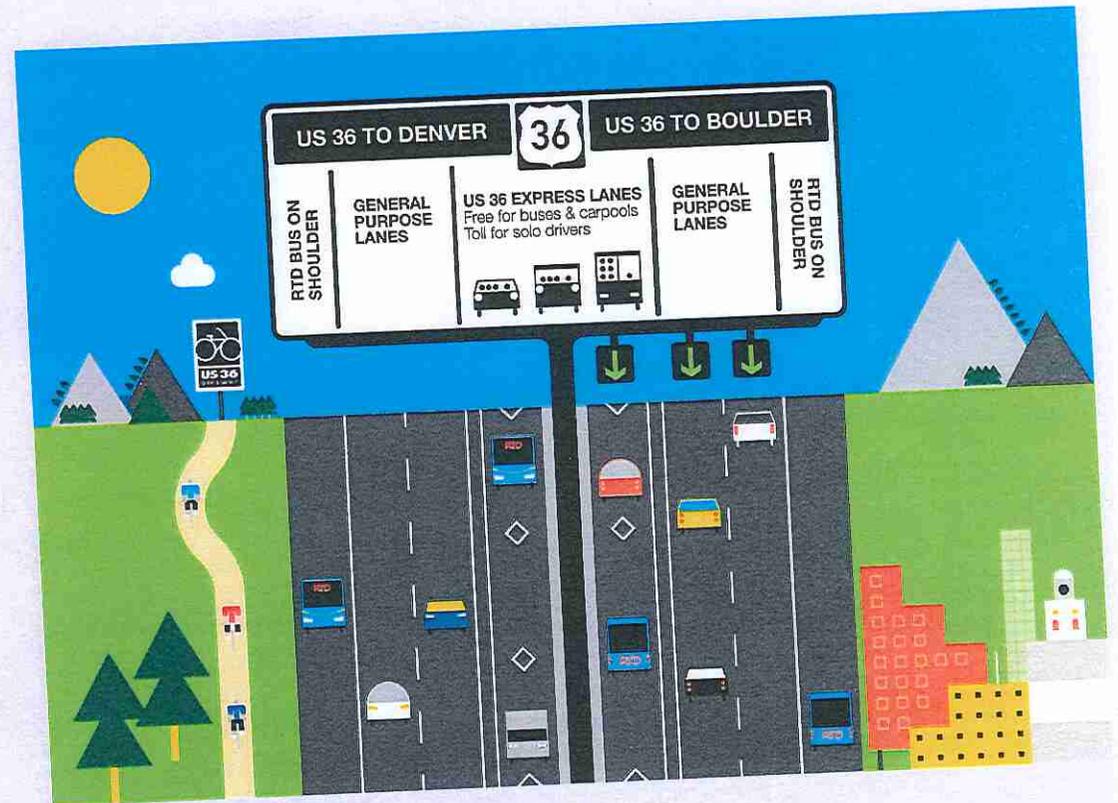
- *Express*: Runs in new express lanes
  - AM: 18 min. faster Boulder-Denver
  - PM: 12 min. faster Denver-Boulder
- *All-station*: Runs in express lanes, general purpose lanes and on shoulder



# Bus Rapid Transit—Flatiron Flyer

Fast, reliable and frequent service:

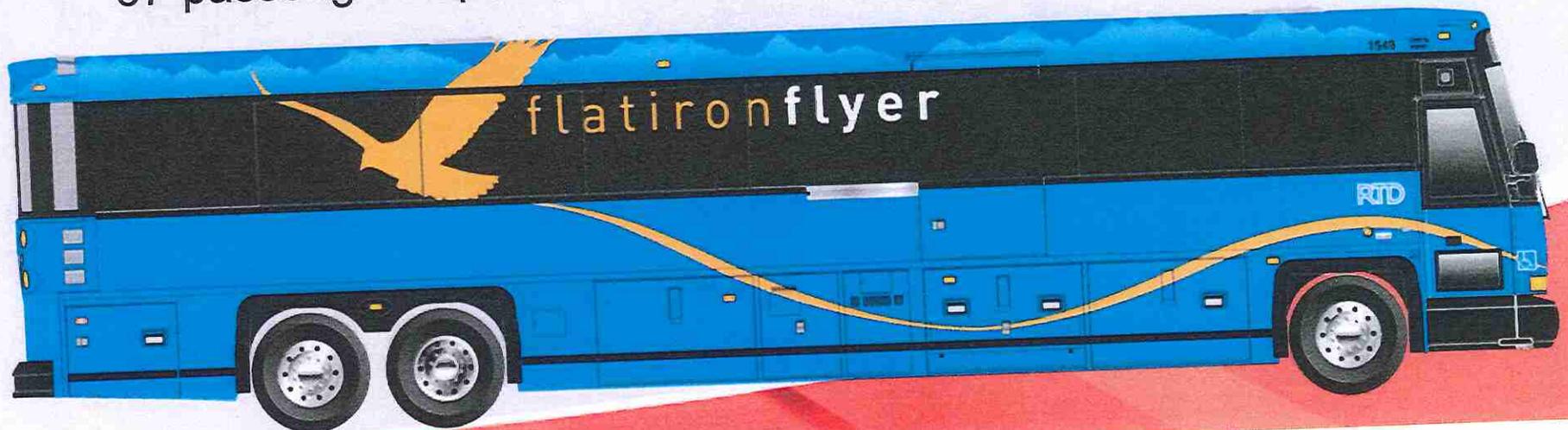
- BRT plan—proposed 16% increase in number of trips over current service
- 4-15 minutes during peak hours
- 15 minutes all day in both directions



# Flatiron Flyer

## Branded bus

- 120v outlet and USB port for laptops, tablets and cellphones at each seat
- Reclining seats and footrests
- Carries up to 8 bicycles
- Overhead reading lights
- Individual air vents
- 57-passenger capacity



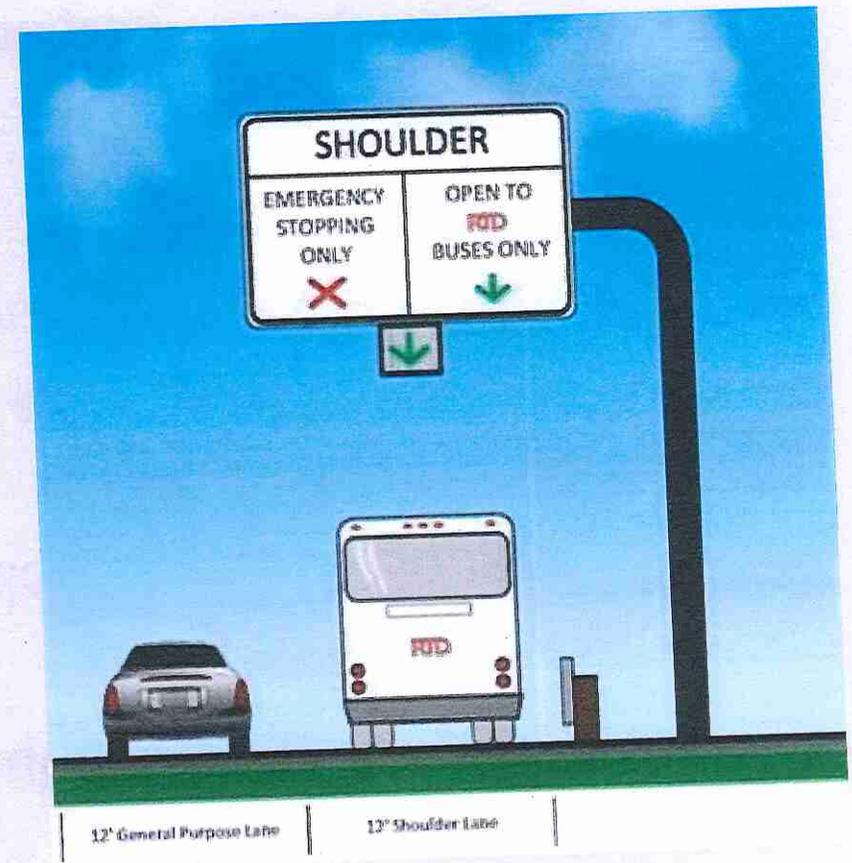
# Upgraded Stations

- Large passenger canopies and windscreens for weather protection
- Ticket-vending machines for cashless fare collection
- Electronic displays for real-time bus arrival/departure info
- Improved lighting
- Enhanced safety/security surveillance



# Bus on Shoulder

- If traffic in general purpose lanes slows to speeds of 35 mph or less, buses have option of using the 12-foot shoulders to bypass congestion
- Bus cannot exceed the speed of traffic by more than 15 mph and cannot exceed 35 mph when on shoulder
- Adds to reliability of BRT service



# BRT Opening Events

## 2015

- **June 30**—VIP/media event unveiling of new Flatiron Flyer bus
- **August 13**—Boulder Junction at Depot Square Station open house
- **September/October**—bus fleet arrives (59 total); buses commissioned and put into service to replace aging fleet

## 2016

- **January 17**—BRT service begins