

Transit Service Best Practices

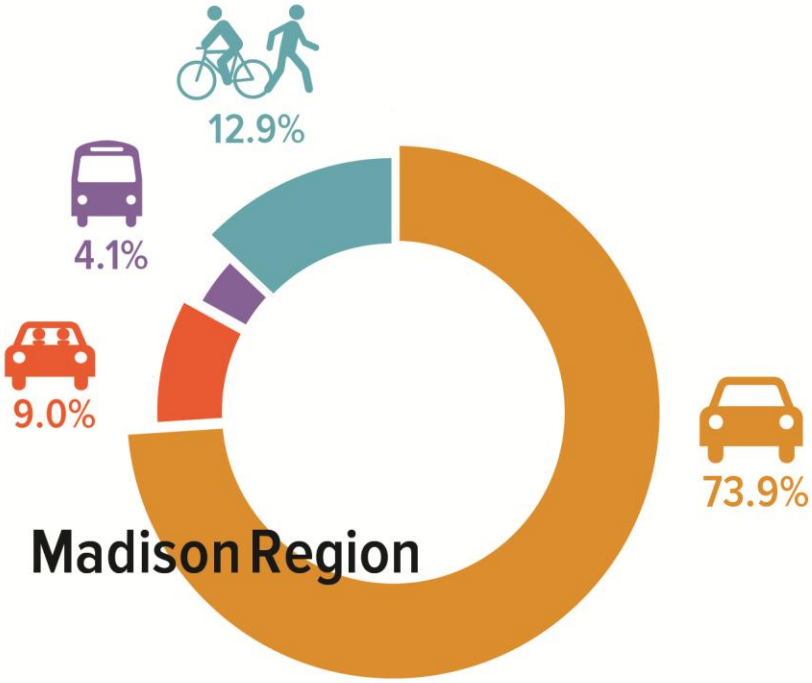
Presented by:
Paul Moore

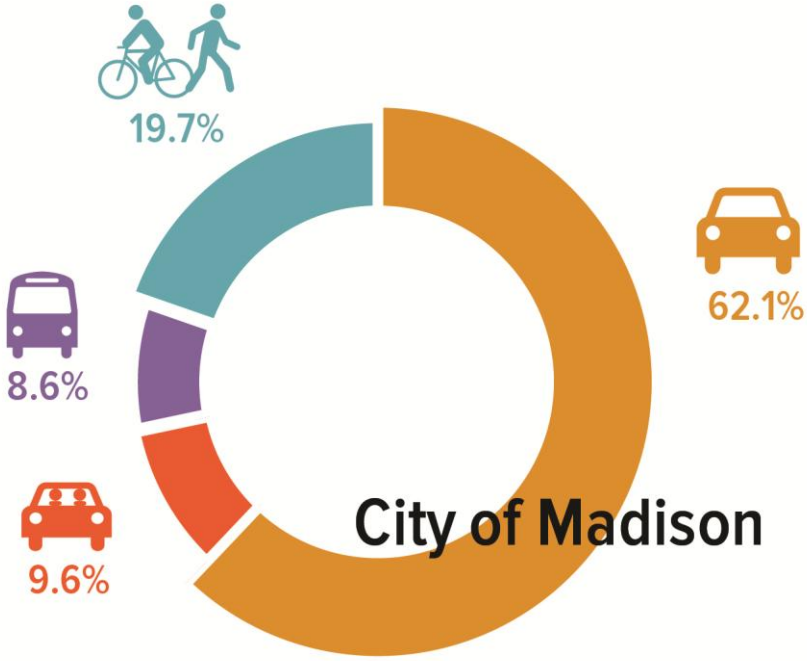
November 20, 2014

NELSON NYGAARD

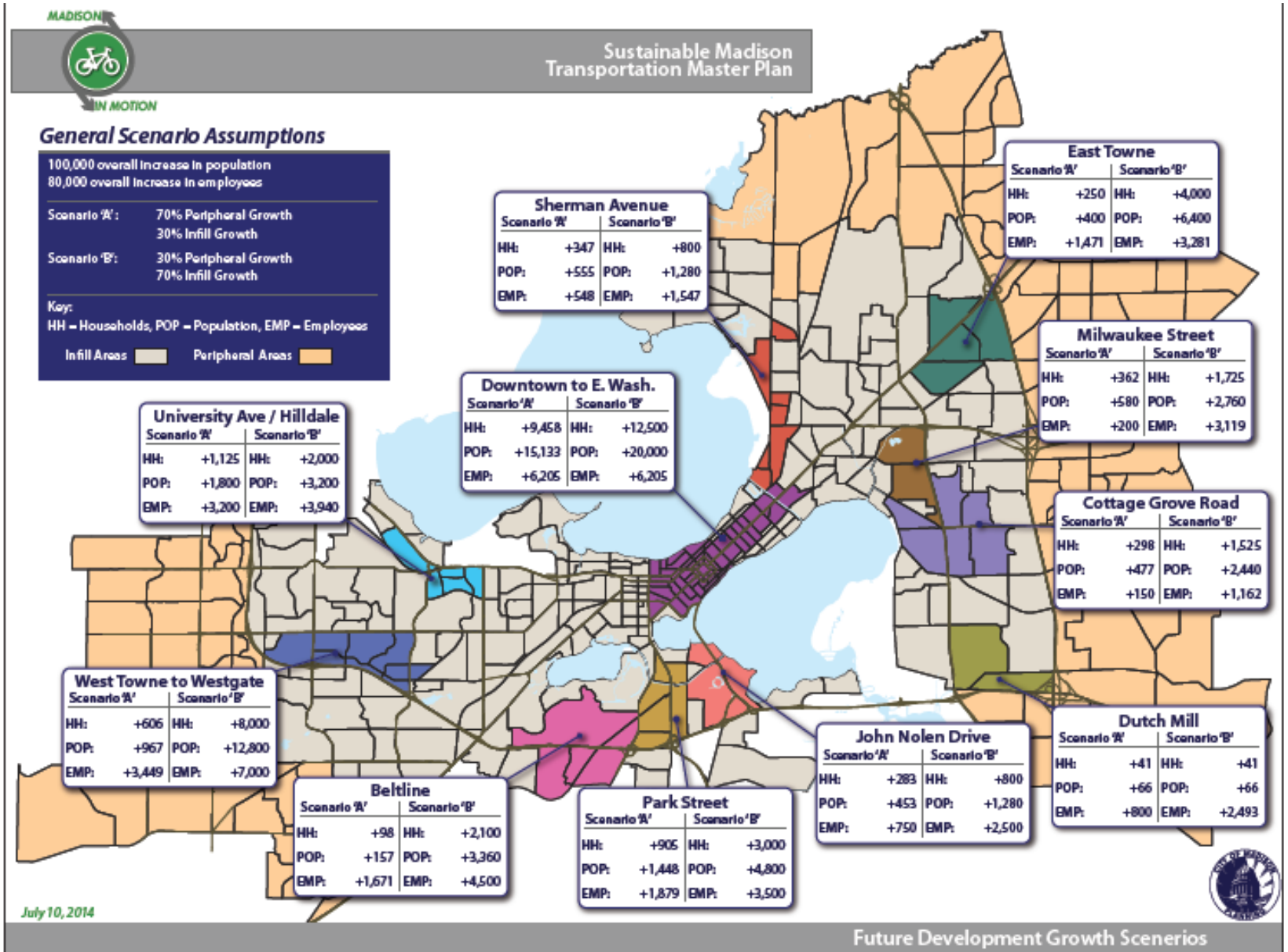
Madison BRT Station Area Development

Current Mode Share





Growth Scenarios A and B



BRT Plan


Lake Mendota
Lake Monona
Monona Bay
Lake Wingra
Upper Mud Lake
Nine Springs Creek

Transit Trips and Mode Share

- Total Existing Corridor Trips
  - 140,000
  - 13,000 Transit Trips
- Scenario A Trips
  - 190,000 Total Trips
  - 19,000-23,000 Transit Trips (As Much As 12% Mode Share)
- Scenario B Transit Trips
  - 215,000 Total Trips
  - 25,000-32,000 Transit Trips (As Much As 15% Mode Share)
- West Corridor About 1/3 of Ridership

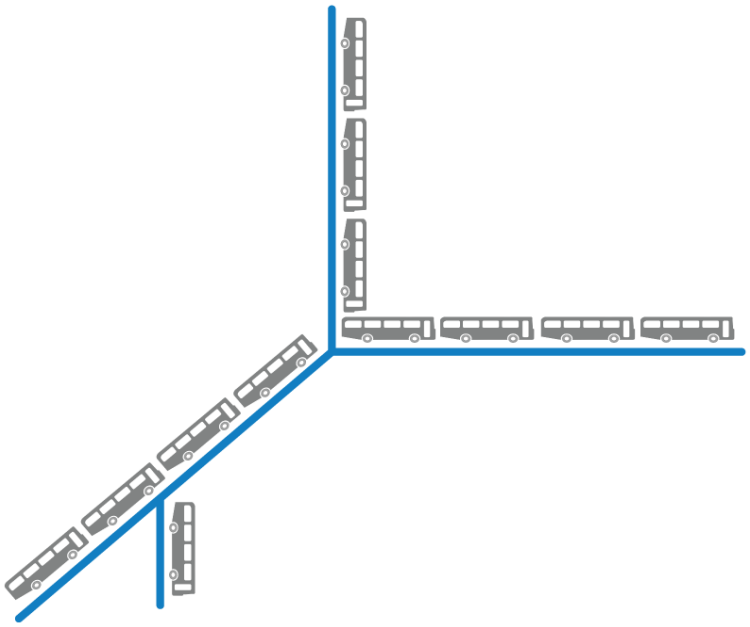
Transit Support Services

Transit Support Service Options

- Feeder Service to Premium Fixed Guideway (BRT)
  - Provides more access to the premium service route
- Circulators/Shuttles
  - Connects downtown destinations and jobs
- Access to Jobs Services

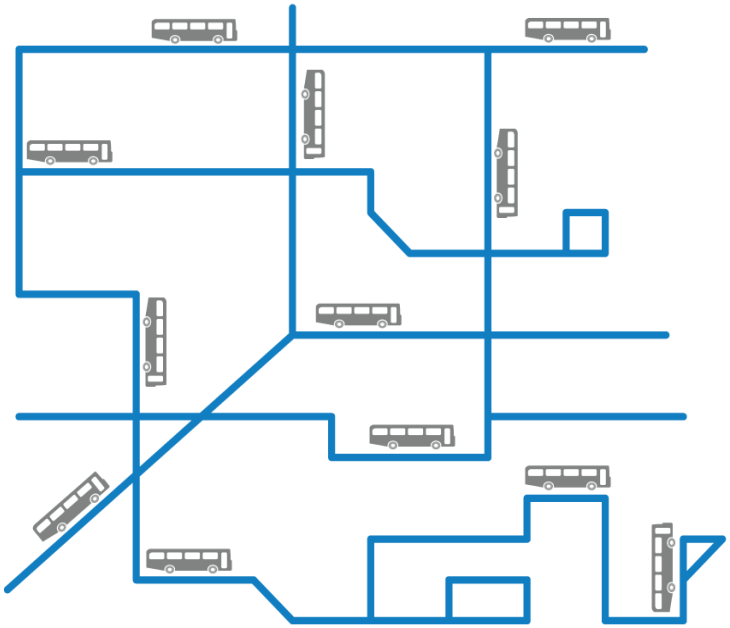
Funding Policy

Productivity Routes



Fewer routes to fewer places
Service is straight and direct
Service frequency is higher

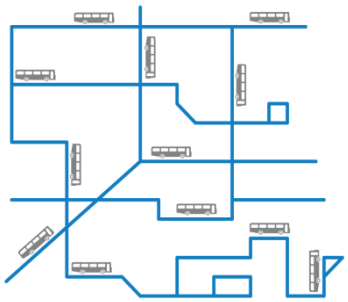
Coverage Routes

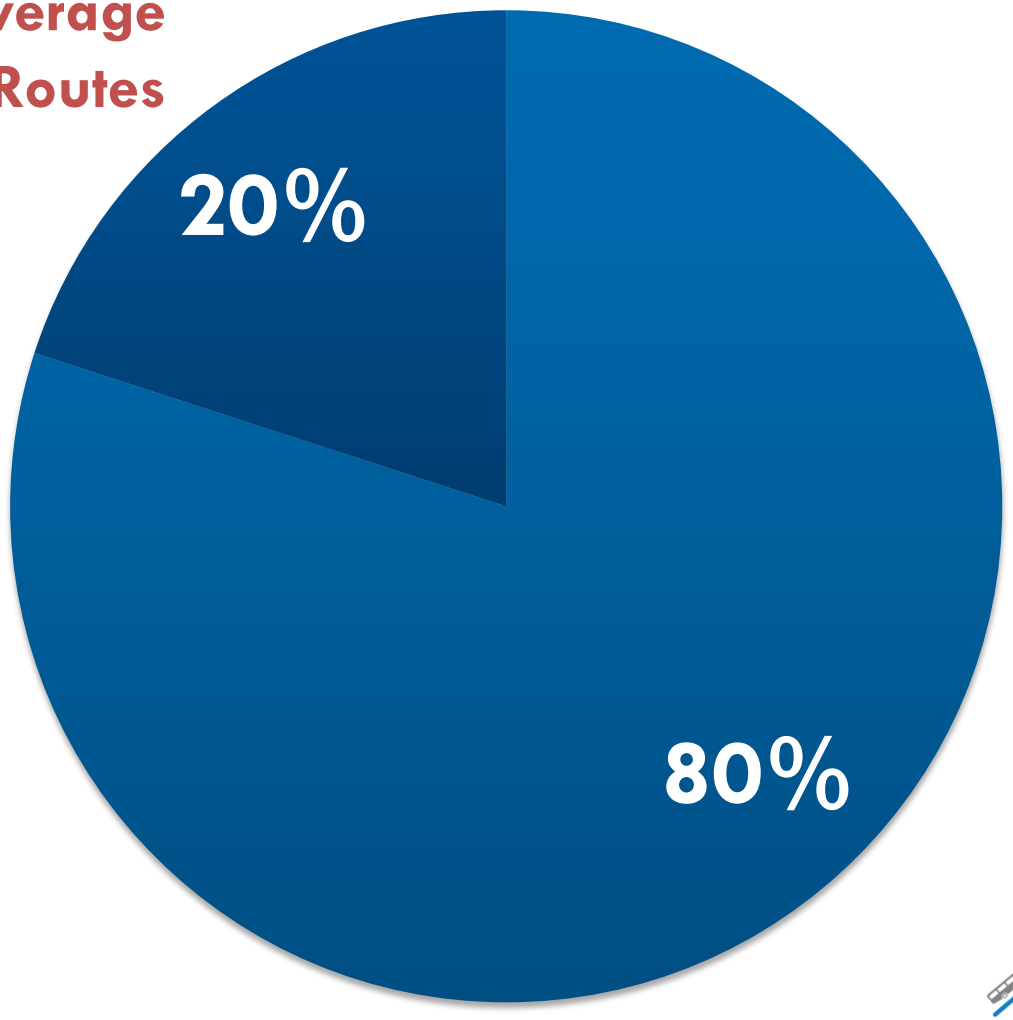


More routes to more places
Service meanders thru neighborhoods
Service frequency is lower

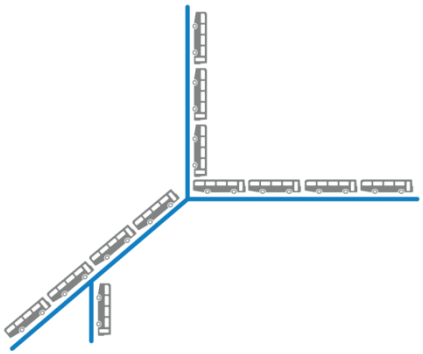
Service Allocation Policy Example

Coverage Routes





Efficiency Routes

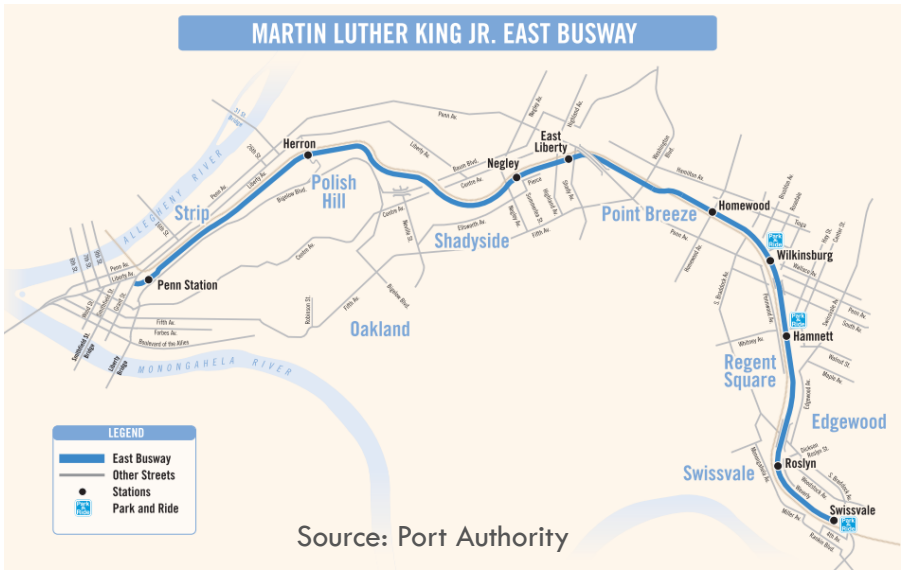


Feeder Service to Premium Fixed Guideway

Port Authority of Allegheny County – Pittsburgh, PA

- Port Authority Busways serve as dedicated runningways for buses traveling into and out of downtown Pittsburgh
- A significant number of bus routes use the busways, which speed up service
- Within the busways, all routes share the same designated stops – all upgraded stations
- 3 existing busways: East, South, and West



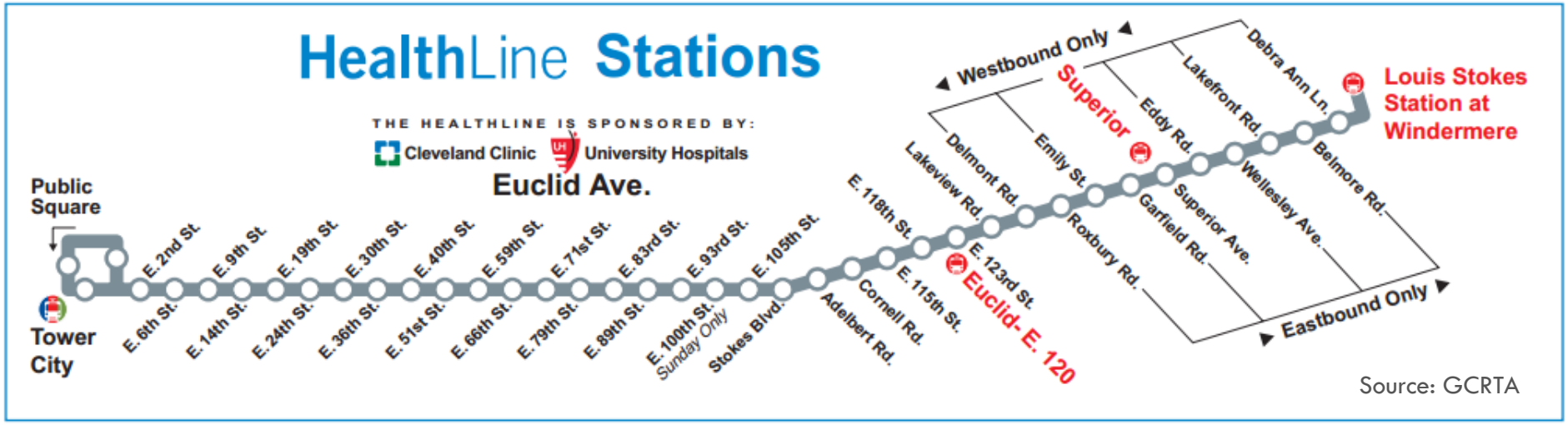


GCRTA – Cleveland, OH

- The Healthline BRT service runs along Euclid Ave into downtown Cleveland
- Service connects to 4 rail stations, including Tower City/Public Square hub



Source: Nelson\Nygaard



KCATA – Kansas City

- Metro Area Express (MAX) BRT Service runs along the Main Street corridor through downtown Kansas City
- MAX fed by other KCATA services



Source: Nelson\Nygaard



Source: KCATA

KCATA – Kansas City

- MetroFlex service provides on-demand buses within specified zones
- These buses can be booked in advance or can be met at scheduled locations (transfer points)
- MetroFlex service offers larger service coverage to lower-density areas that would not be served effectively by fixed-route service
- MetroFlex Route 298 provides last mile connections to the MAX on Main St and Troost Ave



Source: Nelson\Nygaard



Source: KCATA

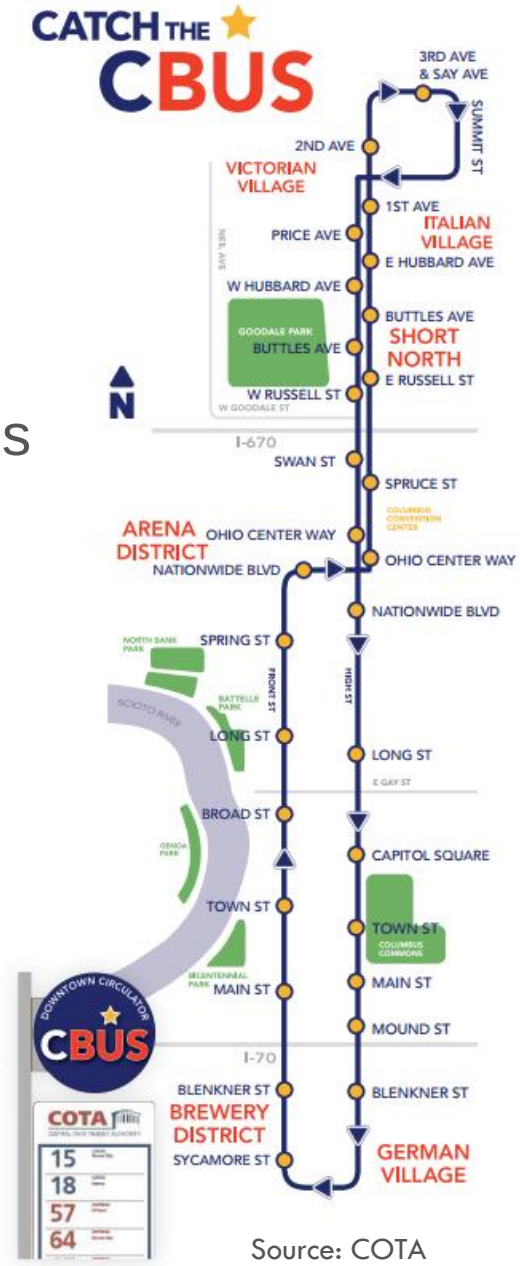
Downtown Circulators

CBUS – Columbus, OH

- C-Bus is a circulator that connects downtown destinations and surplus parking in the Arena District
- Service is free and runs every 10-15 minutes
- Funding comes from the Central Ohio Transit Authority (COTA)



Source: Nelson\Nygaard



Source: COTA

Gold Rush - Charlotte, NC

- Gold Rush is a circulator that provides E-W connections to light rail (LYNX) and local bus service (CATS), as well as downtown destinations
- Service is free and runs through downtown
- Operates based on a park-once strategy
- Majority of funding comes from private donations (Bank of America, Duke Energy), not from the Charlotte Area Transit System (CATS)



Gold Rush – Charlotte, NC



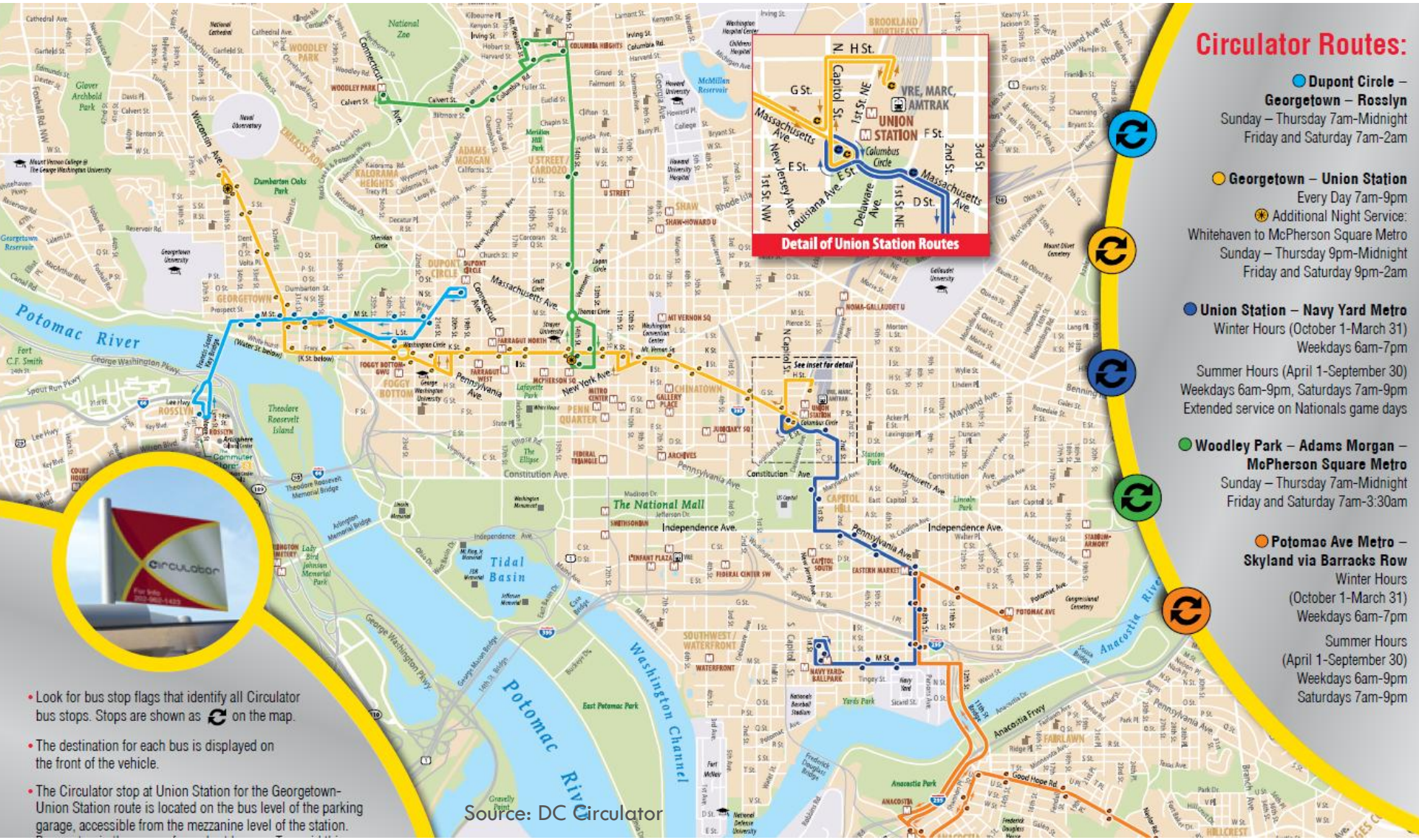
DC Circulator - Washington, D.C.

- D.C. Circulator was a Downtown Business Improvement District initiative
- It is a product of a public/private partnership between DDOT, WMATA, and DC Surface Transit, Inc
- There is a network of 5 circulator-style routes that provide community service within D.C. for a $1 fare
- More of a traditional transit service



Source: Nelson\Nygaard

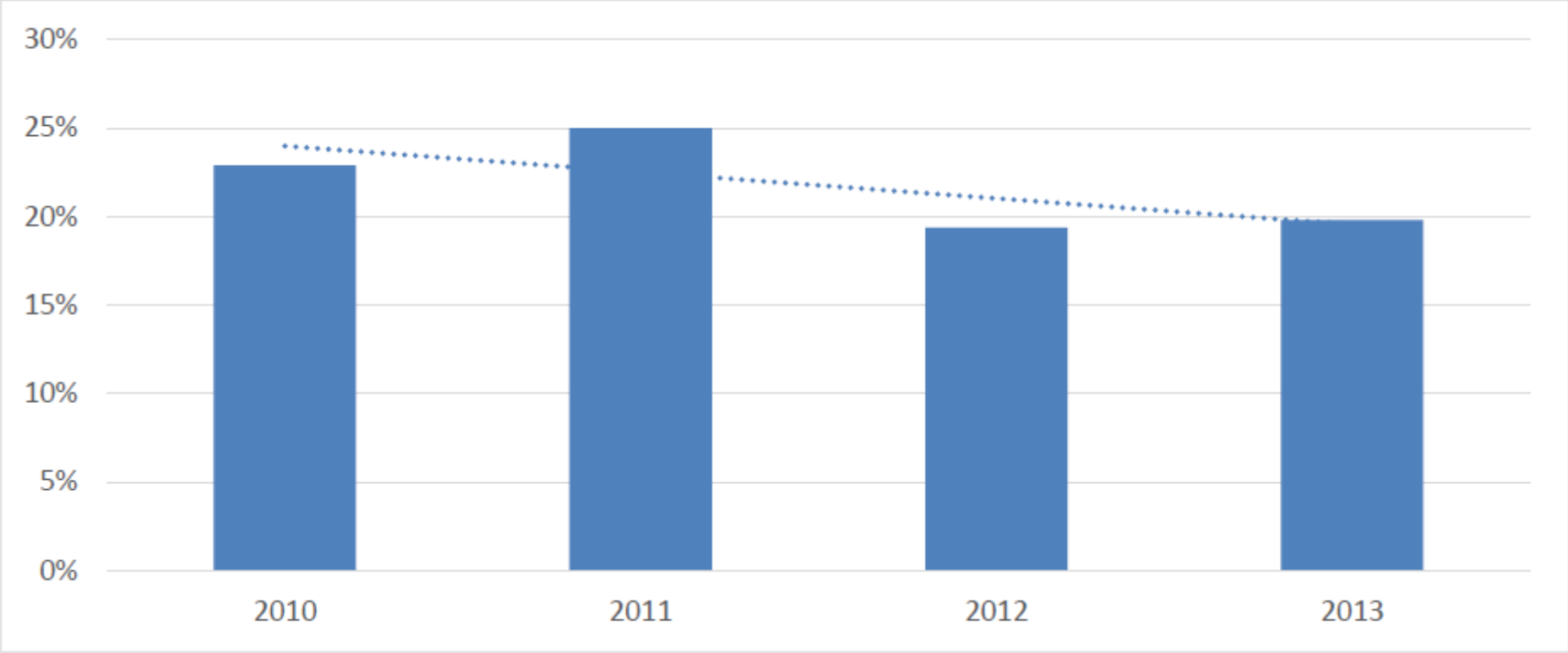
DC Circulator - Washington, D.C.



Source: DC Circulator

Funding

Figure 1: Cost Recovery Ratio by Year

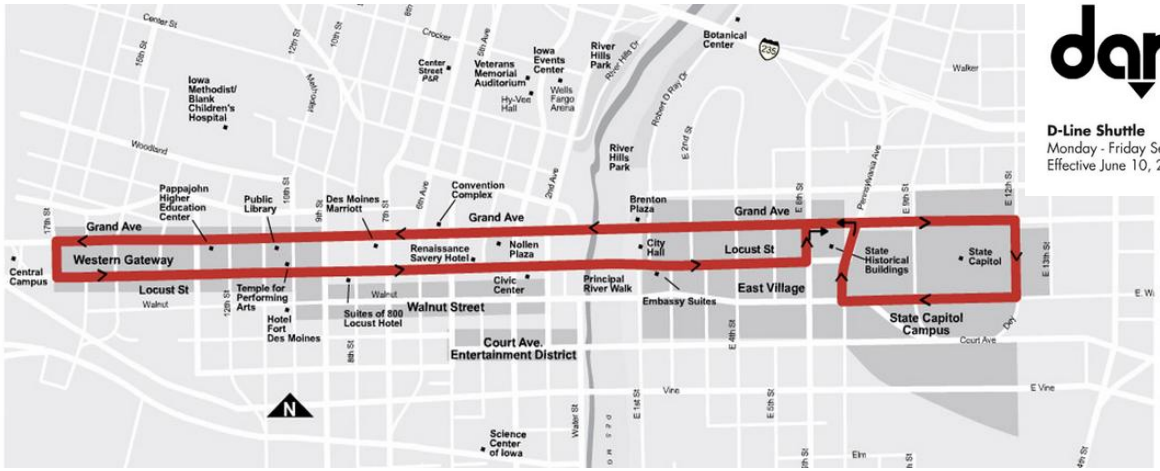


DART Shuttles - Des Moines, IA

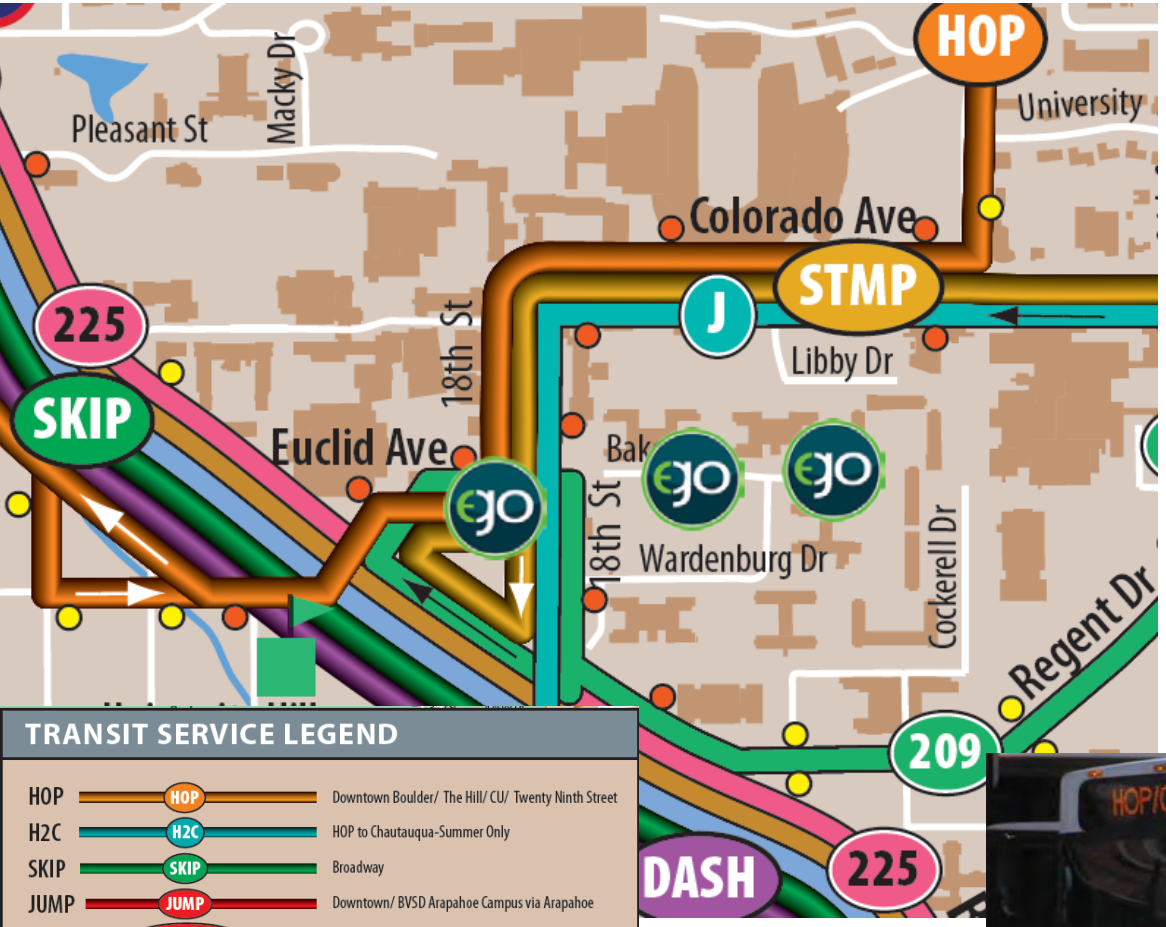
- LINK is a free shuttle operated by the Des Moines Area Regional Transit Authority (DART) that circulates downtown on 7th and 8th Streets and serves the Center Street Park & Ride
- D-Line is a free shuttle running in a loop through downtown along Grand Ave and Locust Street
- The two routes cross in downtown

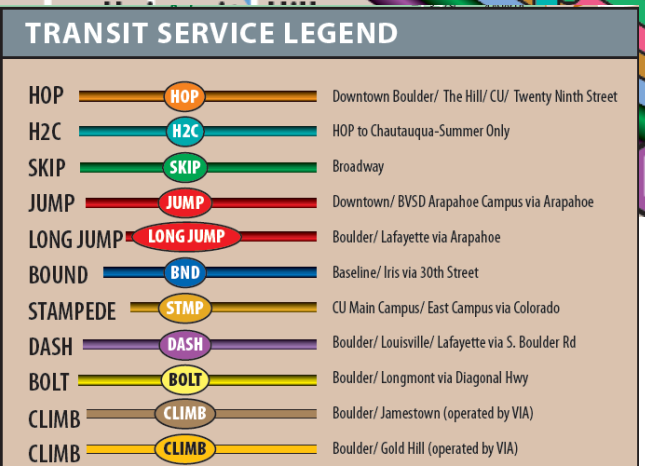


Source: DART



Hop, Skip, Jump… - Boulder, CO





"The community wanted pedestrian-scale buses with big windows so that people on the street and on the bus could actually make eye contact. They wanted perimeter seating on the bus to encourage conversation so that we were actually creating community, not just serving the community."

– Tracy Winfree, Director of Public Works

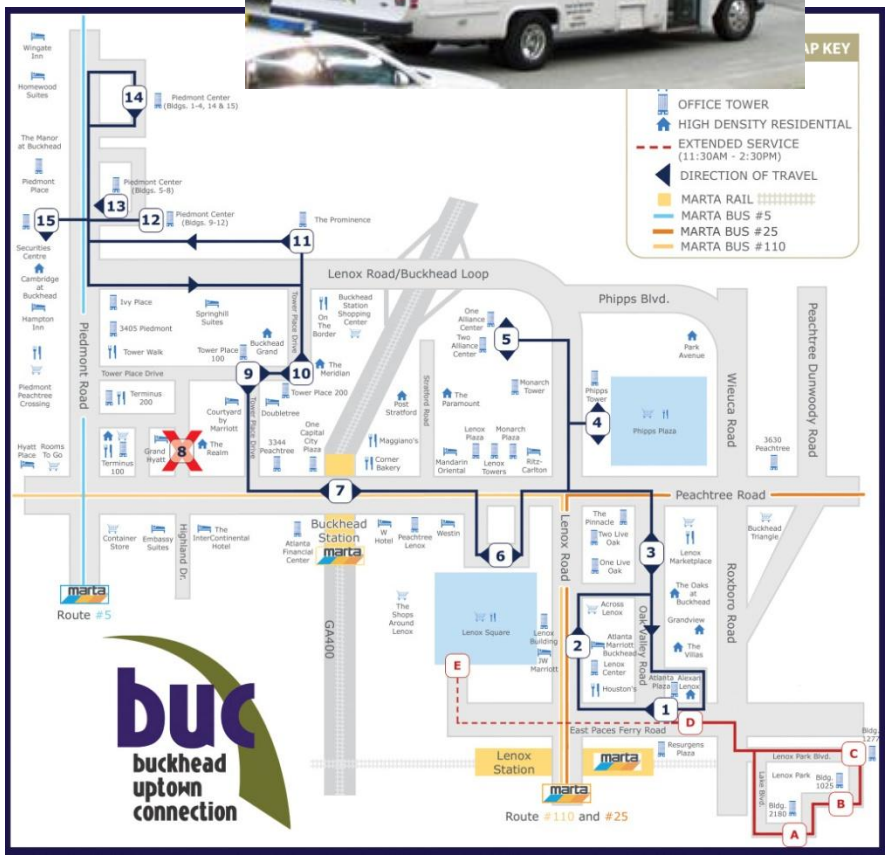


Access to Jobs

The Buc – Atlanta, GA

- The Buc is a free shuttle service in the Buckhead business district of Atlanta
- The service connects to two MARTA heavy rail stations, as well as bus stops
- It provides service to major employment centers, office towers, and shopping destinations
- It is funded by the Buckhead Community Improvement District, the Buckhead Area Transportation Management Association, and also receives federal funding





128 Business Council – Boston, MA

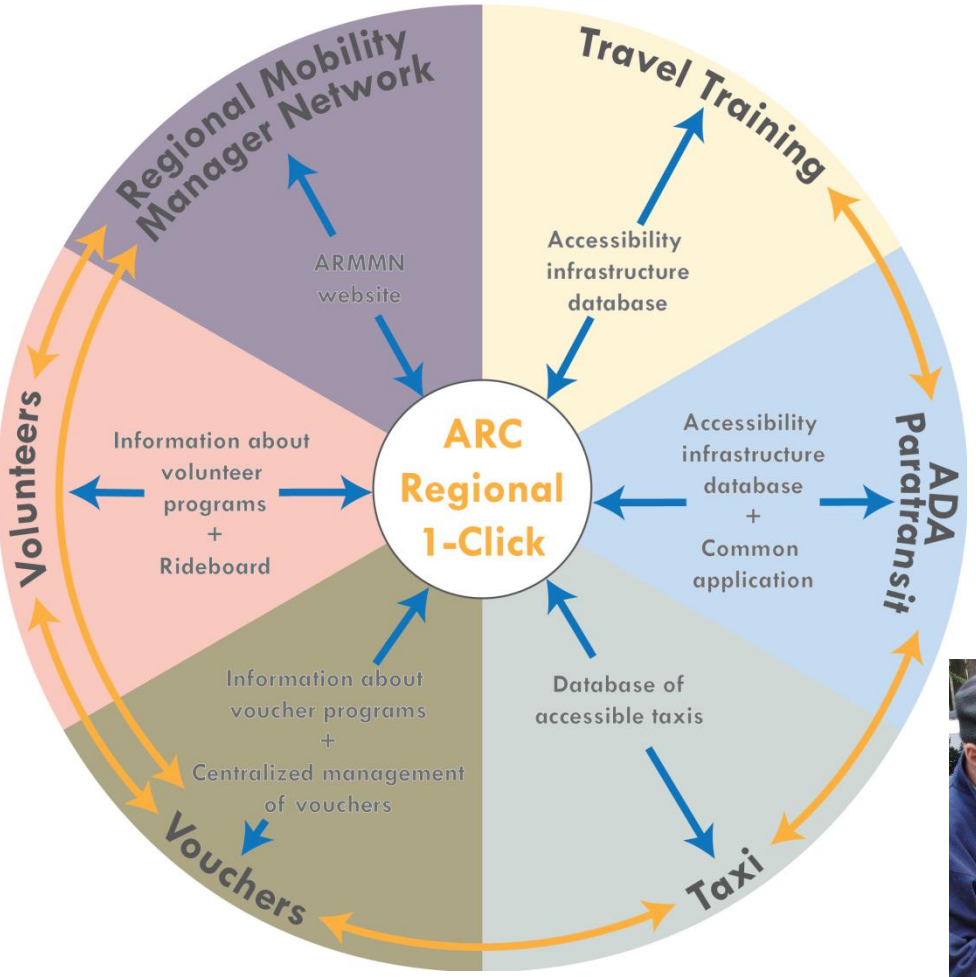
- The 128 Business Council is the Transportation Management Association (TMA) for the 128 West region (Boston Metro)
- The TMA provides shuttle services along the Route 128 corridor to connect neighborhoods, major employers, and institutions to existing MBTA stations
- There are 7 different shuttle routes connecting into 4 separate transit stations





Source: 128 Business Council

1-Click System – Atlanta, GA









Thank You!



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