



DRIVE LESS.LIVE MORE.



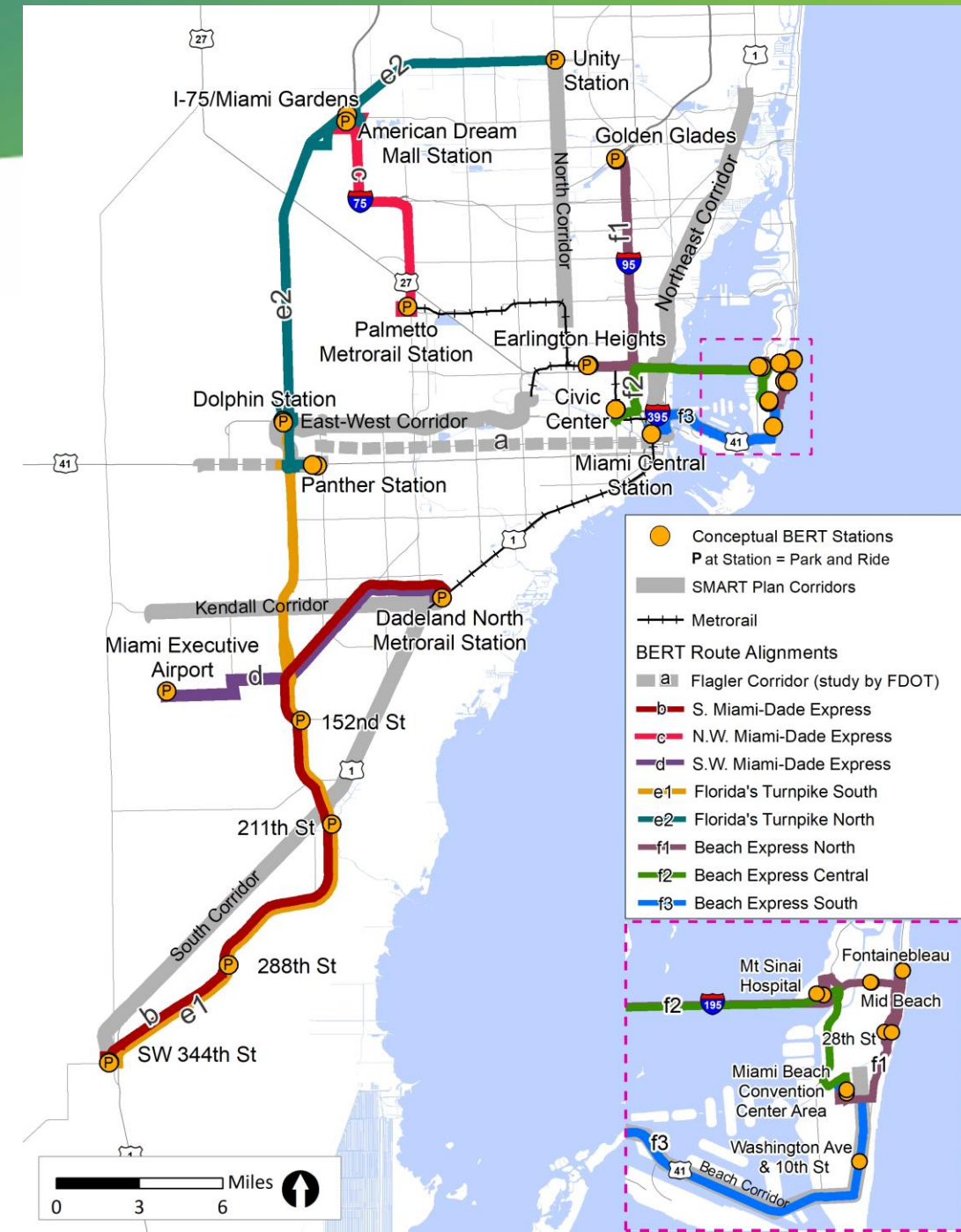
BUS EXPRESS RAPID TRANSIT (BERT) NETWORK IMPLEMENTATION FOR THE STRATEGIC MIAMI RAPID TRANSIT (SMART) PLAN

City of Miami Beach
Finance and Economic Resiliency Committee
May 21, 2021



OVERVIEW

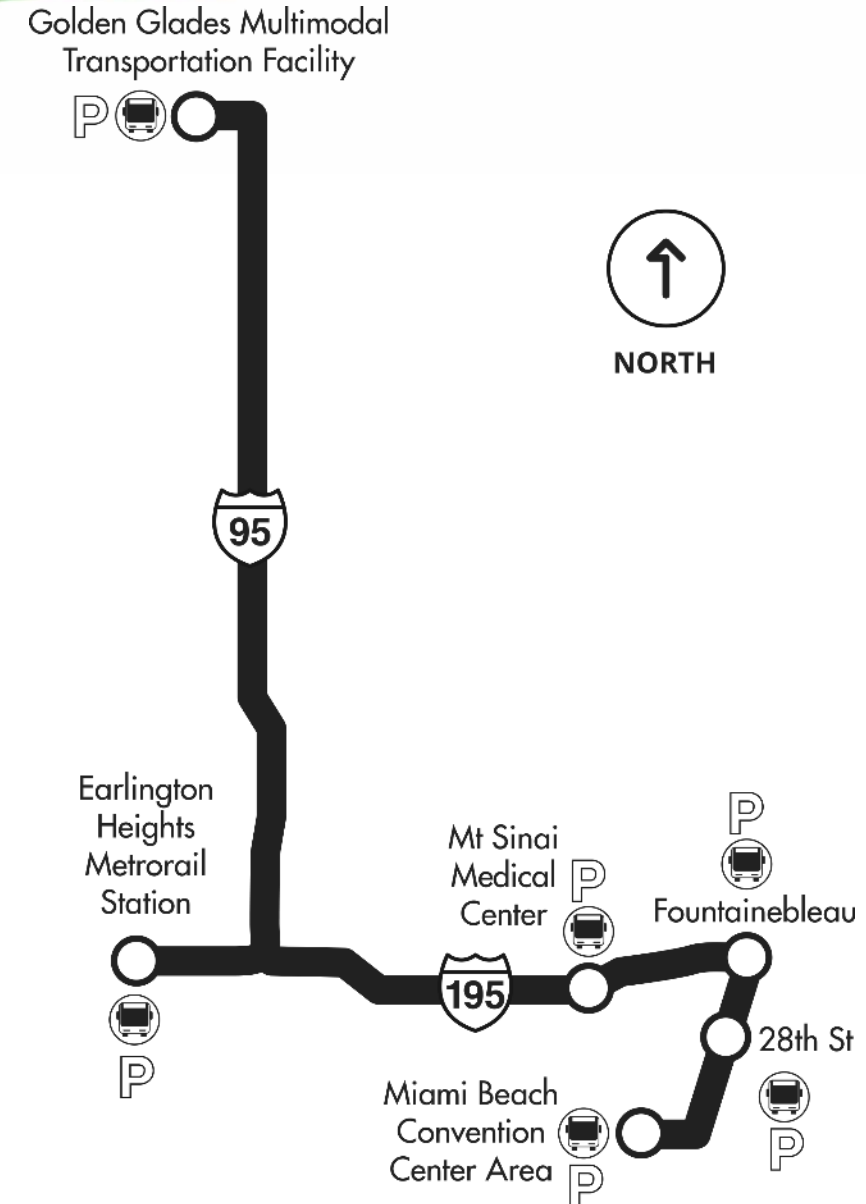
- Eight express bus routes connecting to SMART Plan premium transit corridors
- Along existing expressways and Transit Signal Priority (TSP)
- Limited stops
- Service to major origins/destinations
- Frequency from 10 – 20 minutes
- Existing and proposed Park and Rides





BEACH EXPRESS NORTH ROUTE

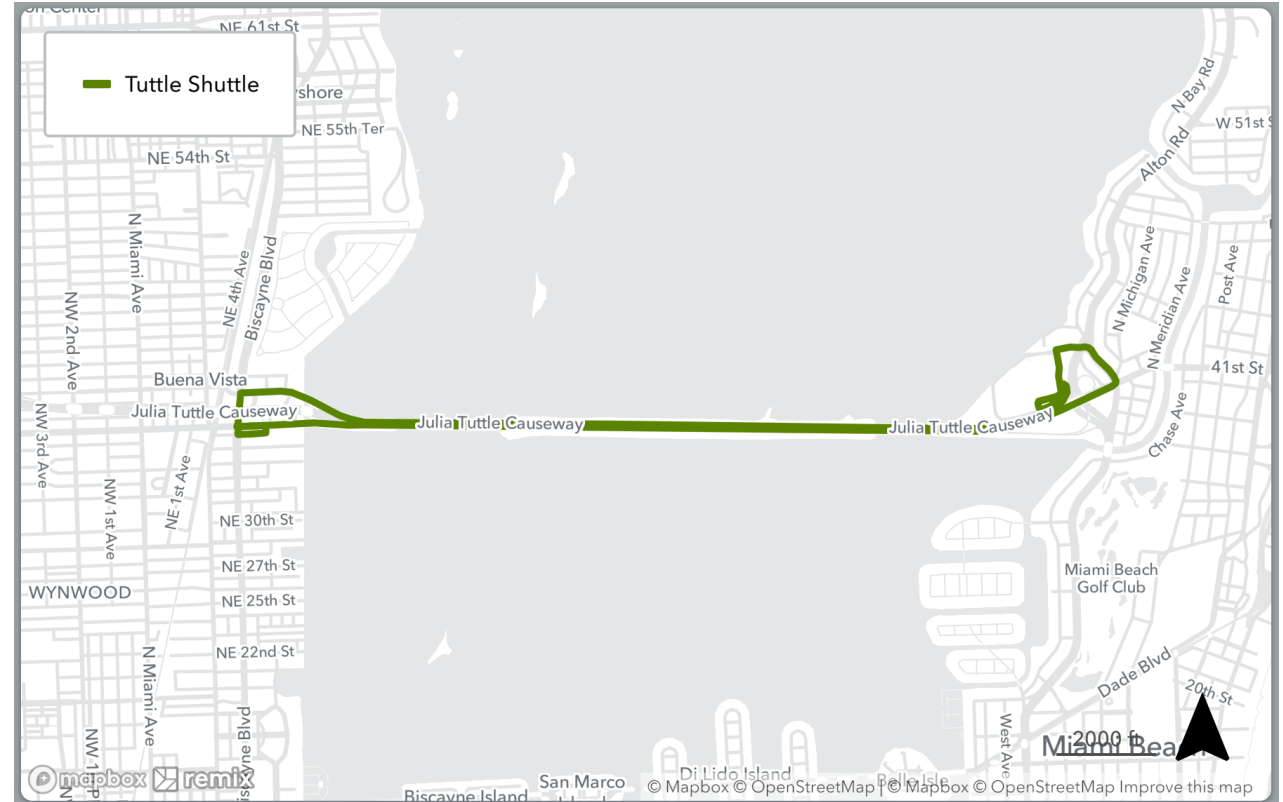
- From existing Golden Glades Multi Modal Terminal to Miami Beach Convention Center (approx. 17 miles one way)
- Interim stops at existing MIC Earlington Heights Metrorail Station, proposed Mt. Sinai Medical Center, Fontainebleau Hotel, 28th Street existing bus stop
- Use of the I-195 inside shoulders for local buses to bypass congestion (2023)





TUTTLE SHUTTLE

- Interim use of the I-195 outside shoulders to bypass congestion (2021)
- From existing Biscayne Blvd to Mt. Sinai Medical Center (approx. 4 miles one way)
- No Interim stops
- Tentative improvement schedule (as of Feb. 2021):
 - Letting: May/June 2021
 - Construction Start: July/August 2021
 - Construction End: October/November 2021





BUS ON SHOULDER

- Bus will use shoulder to bypass congested traffic on Julia Tuttle Causeway
- Can travel up to 35 mph
- Improve speed and reduce delay for bus passengers
- Bus only signs – roadside and trailers; enforced by Florida Highway Patrol
- Buses will initially use the outside shoulder
 - *Bikes can use alternate Causeways (Venetian and MacArthur)*
- From 2023, buses will use the inside shoulder





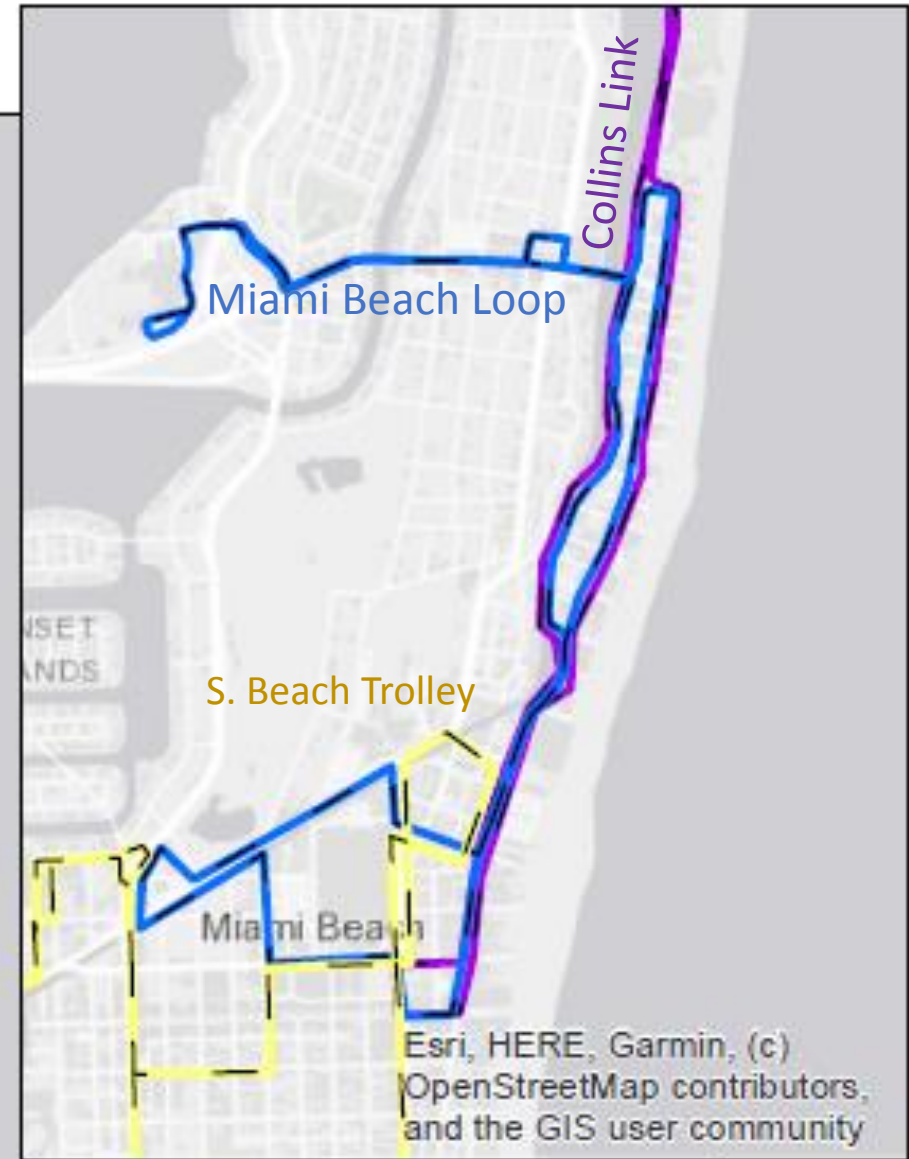
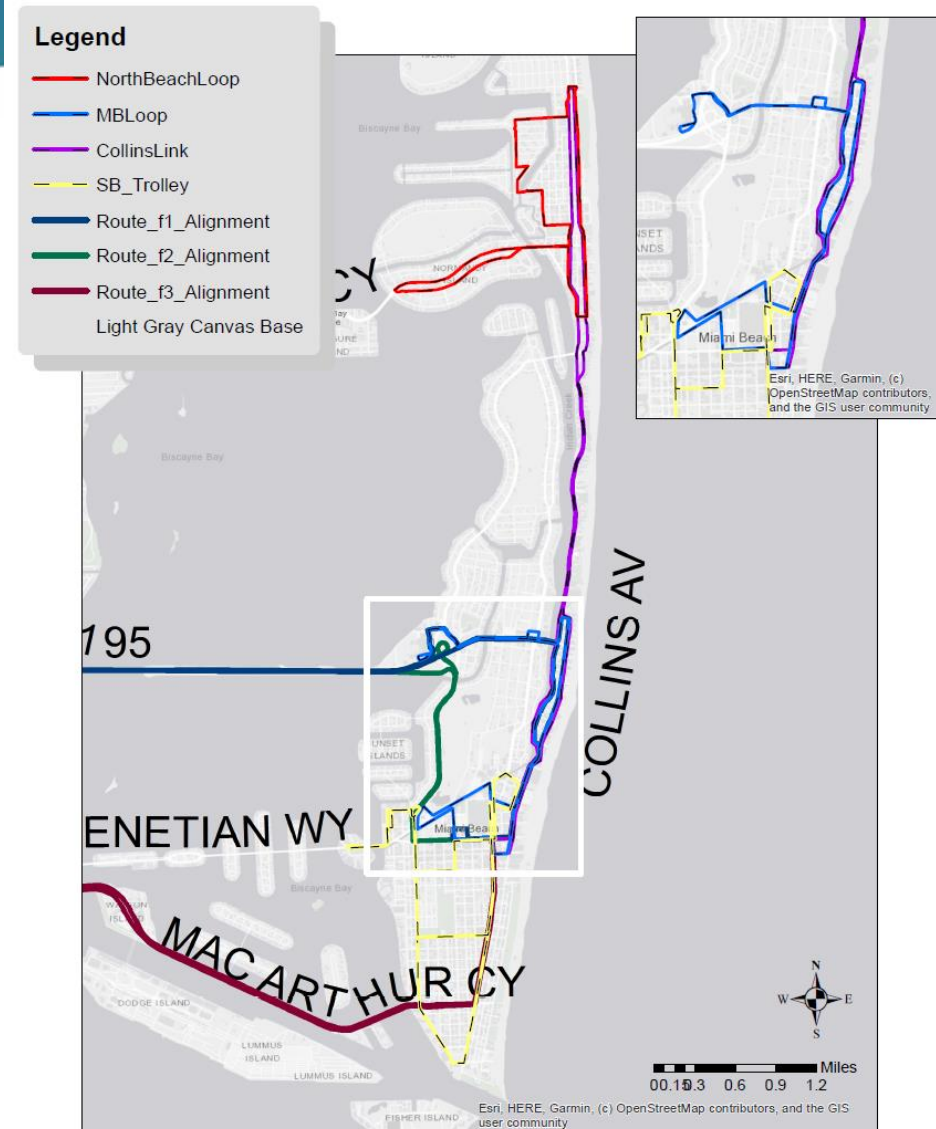
MT SINAI MEDICAL CENTER PROPOSED PARK AND RIDE

- Proposed improvements: repave an existing parking lot and expand an existing bus stop to include four bus bays
- Preliminary environmental analysis completed - no adverse impacts
- Total parking spaces: 83





MIAMI BEACH Trolley Connections





SERVICE FREQUENCY AND RIDERSHIP

BERT Route Map ID	Route Name	Frequency		2015 Ridership Range	Peak Travel Time
		Peak Hour	Off-Peak		
f1	Beach Express North	10	20	7,800-8,100	75
N/A	Tuttle Shuttle	10	20	250 (peak period)	



IMPLEMENTATION SCHEDULE AND COSTS

BERT Route	Route Name	Estimated Implementation Year	Total Buses	(2020 \$) in Millions			
				Buses	O&M ³ Cost	Park and Ride Facilities	Capital Cost
f1	Beach Express North	2023 ¹	18	\$23.4 ²	\$7.48	\$ 1.67	Mt. Sinai Medical Center
N/A	Tuttle Shuttle	2021	3	\$2.70 ⁴	\$1.314	-	N/A
Total			79	\$85.86	\$29.00	\$16.62	

¹ Interim service is proposed for this route. The details of the interim service are currently in the planning phase.

² Vehicle cost based on 60-ft electric bus at \$1,300,000 each, 20% spare vehicles ratio added

³ Operations and Maintenance

⁴ Vehicle cost based on 40-ft electric bus at \$900,000 each, 20% spare vehicles ratio added



FOR MORE INFORMATION

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