

# *City Commission Meeting*

*March 14, 2024*

CITY OF COCONUT CREEK

# **Transit** Master Plan



# City Commission Meeting Agenda

## Transit Master Plan Overview

- Existing Operating Conditions
- Stakeholder Outreach
- Service Concept Evaluation
- Project Implementation



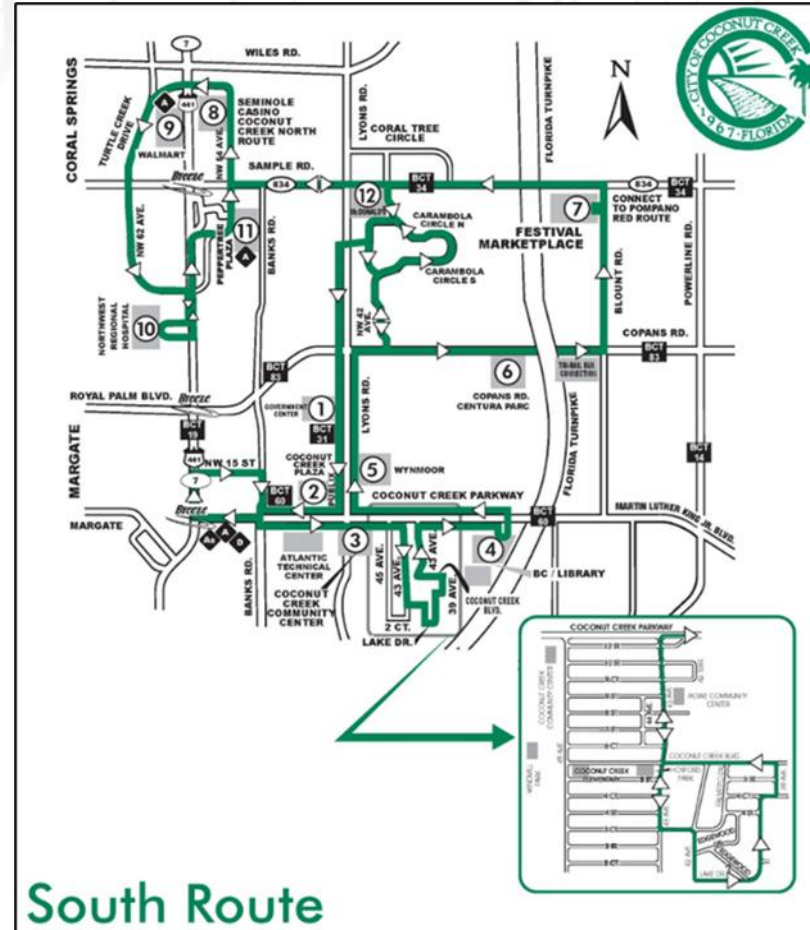
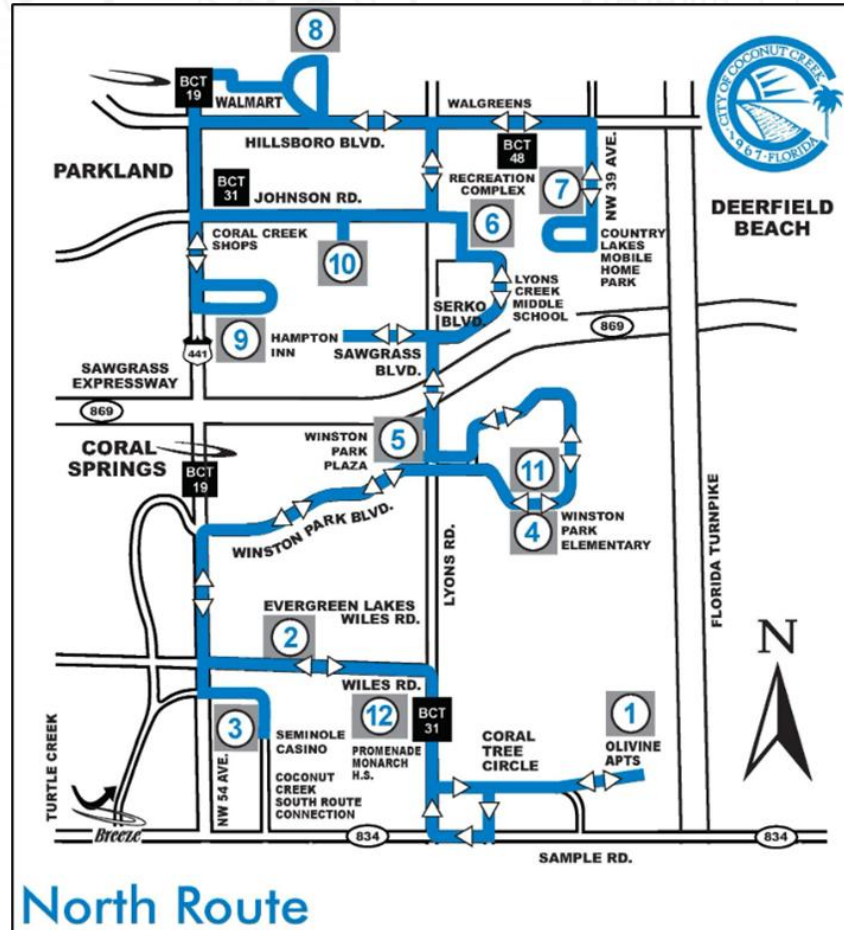
# Coconut Creek Transit Master Plan

## Purpose

- Address changes in the operating environment
- Establish goals and measurable objectives
- Evaluate effectiveness of current operations
- Evaluate new service models
- Create a Vision and Strategic Plan



# Existing Local Service



## BUTTERFLY EXPRESS ROUTE UP & DOWN LYONS ROAD



- SCHEDULE**
- ★ Top of the Hour
  - ★ 10 Min. Past top of hour
  - ★ 20 Min. Past top of hour
  - ★ 30 Min. Past top of hour
  - ★ 40 Min. Past top of hour
  - ★ 50 Min. Past top of hour
- LEGEND**
- EXPRESS ROUTE BUS STOP SHELTER
  - EXPRESS ROUTE BUS STOP
  - POINTS OF INTEREST

Disclaimer: Due to traffic delays along Lyons Road from 7 AM to 9 AM and 4:30 PM to 6:30 PM, riders should be prepared for potential delays to the schedule during these times.



# Existing Conditions – Ridership

## BCT Community Shuttle Eligibility Criteria and Priority Standards

Applicant Tier	Frequency	Connectivity	Ridership
High Priority	30 minutes or less	Two (2) or three (3) transit connections	15.1 - 20 PPRH
Medium Priority	31 - 45 minutes	One (1) transit connection	10.1 - 15 PPRH
Low Priority	46 – 60 minutes	Zero (0) transit connection	7.1 - 10 PPRH

## Coconut Creek Passenger Trips per Revenue Hour YTD

Route	2021	2022
North and South Route	2.2	3.0
Butterfly Express	2.7	5.6

# Stakeholder Input

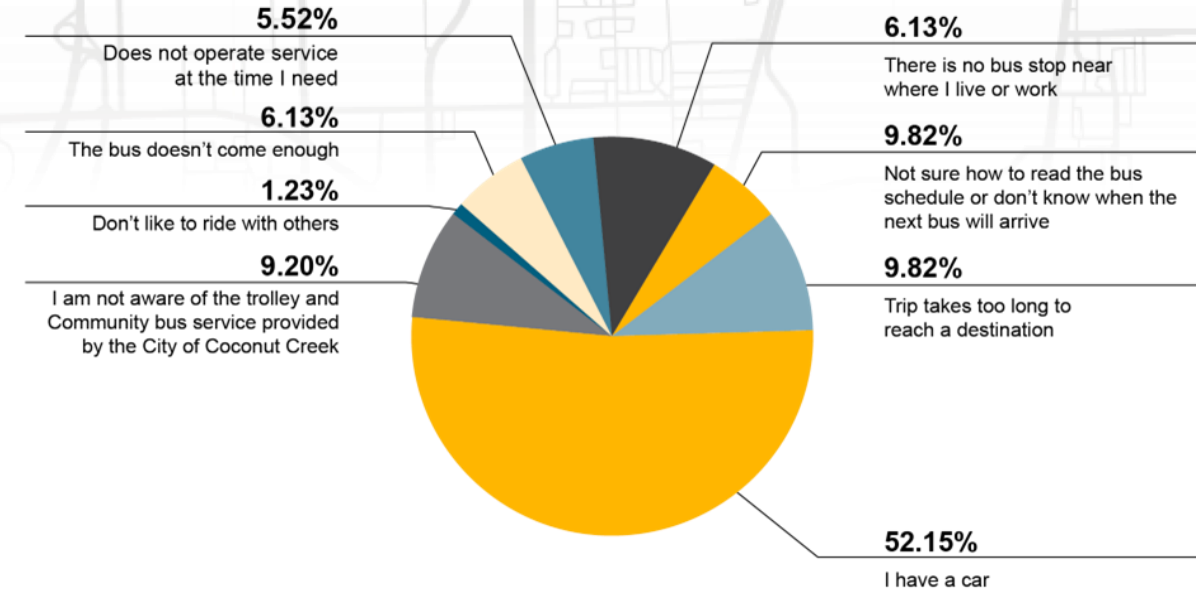
## Transit Master Plan Workshop

- Workshop with City Staff to discuss existing conditions, transit service concepts, and master plan goals

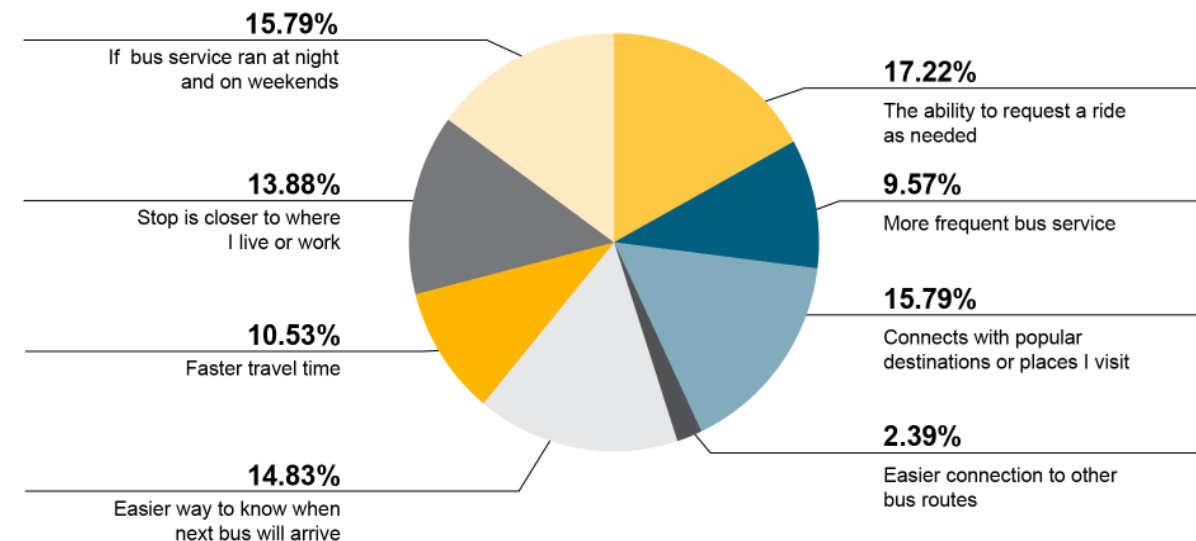
## City Ambassador Meeting

- Obtain input from the community on existing services

### For what reasons are you NOT currently using the trolley service? Check all that apply.



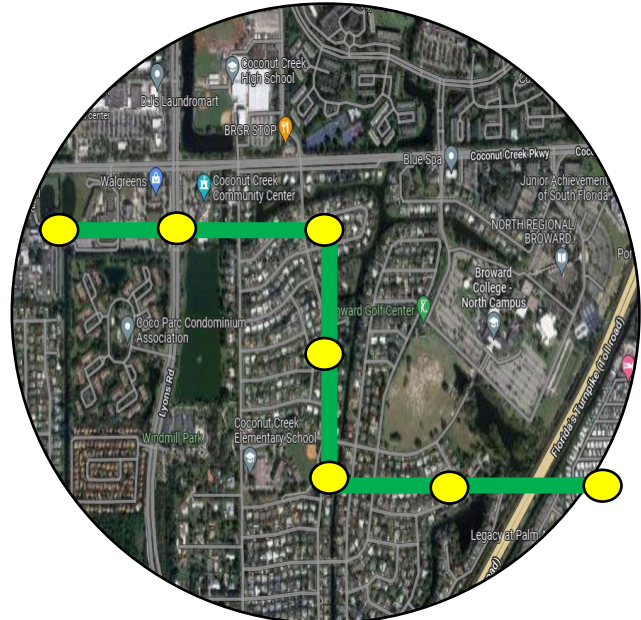
### What would encourage you to use the trolley service? Check all that apply.



# Service Concepts

- Designated Stop
- Service Area – Potential Pick Up/Drop off Locations

## Fixed-Route Circulator



## Deviated Service



## On-Demand



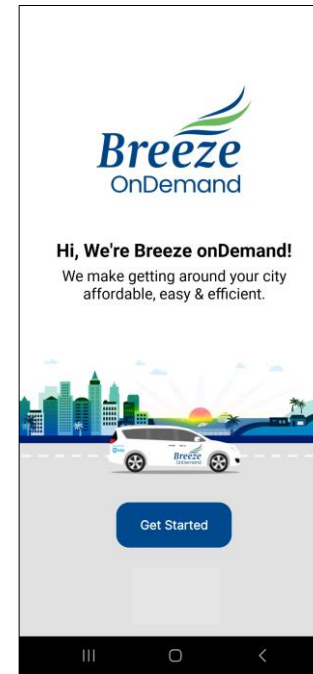
# Microtransit

## What is it?

- Zone-based, on-demand service
- Same day trip requests via mobile device/software application
- Shared ride and open to the public
- Scheduling software optimizes routing in real-time
- Provides geographic footprint for service coverage
- Service days and hours modified to meet travel demand, target user markets

- Designated Stop
- Service Area – Potential Pick Up/Drop off Locations

## On-Demand





# Three Implementation Scenarios



- Scenario 1: Fixed Route Operations



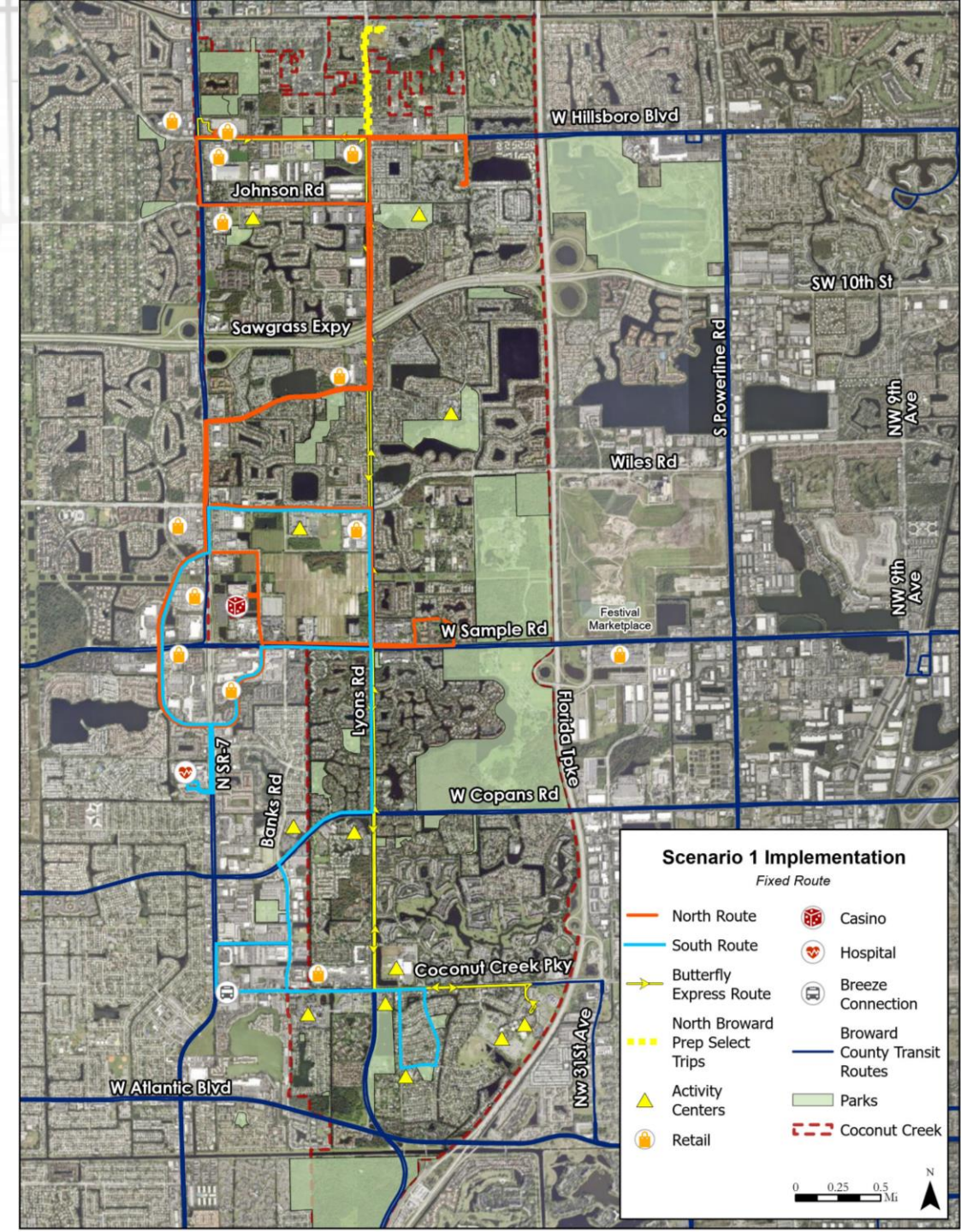
- Scenario 2: Microtransit Service and Butterfly Express



- Scenario 3: Microtransit Service Only

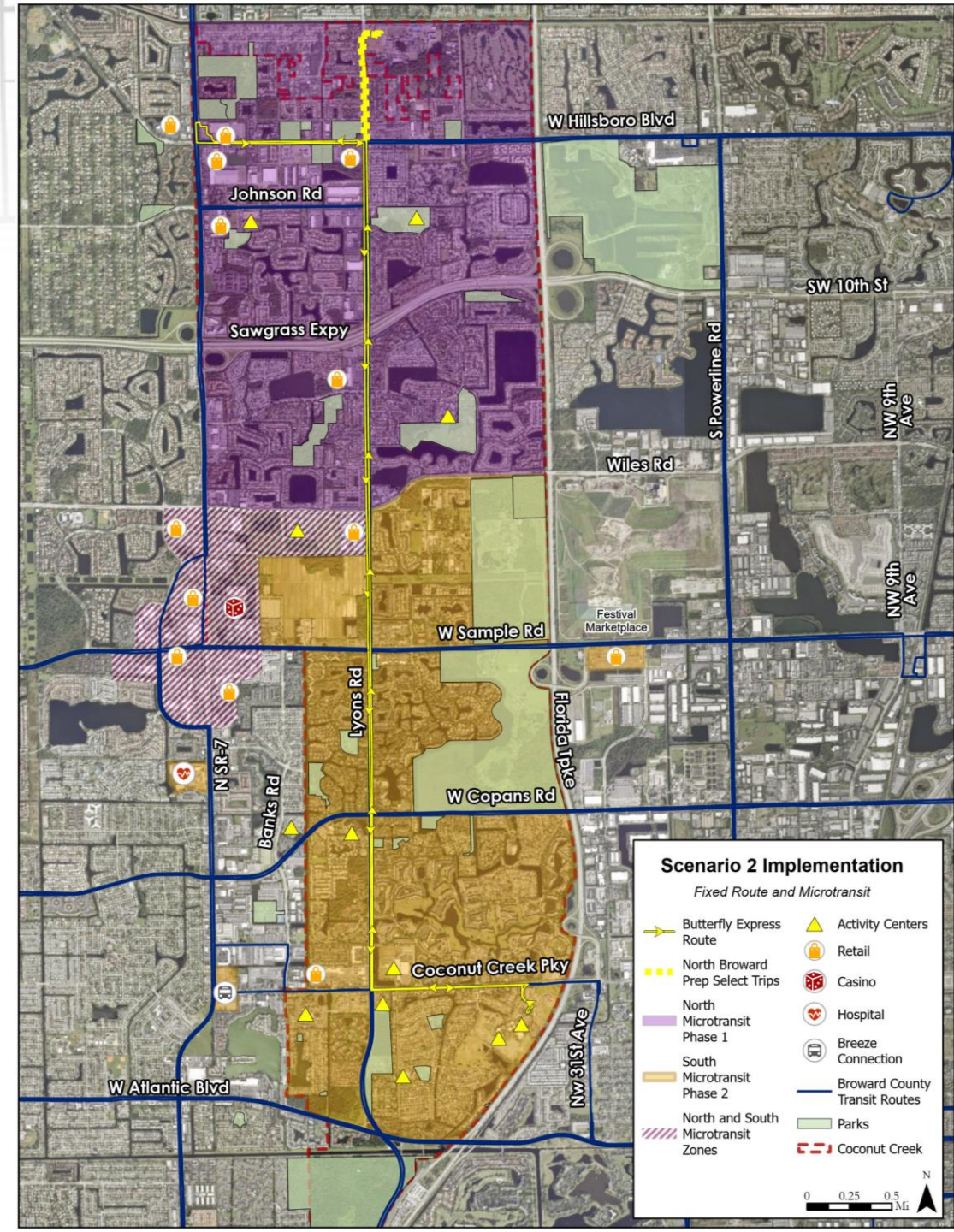
# Scenario 1 – Fixed Route Operations

- Assumes no new funding
- Fixed-route operation only
- Service Enhancements
  - Shorter wait times (more frequent)
  - Shorter on-board bus travel times
  - More understandable schedule
  - Connections beyond the City limit
- Mainstreet, PREMO Corridors, and BCT Route coordination



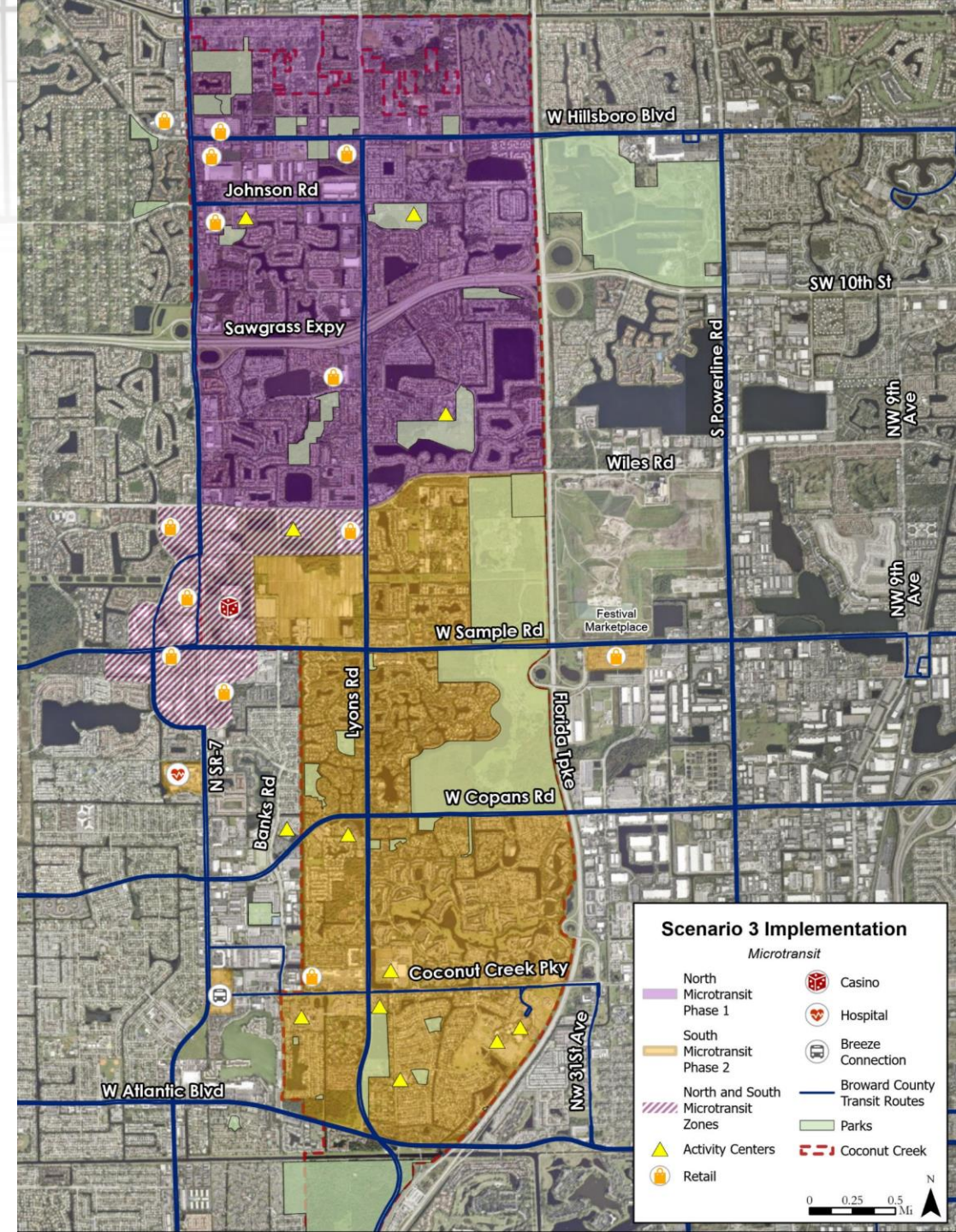
# Scenario 2 – Microtransit Service and Butterfly Express

- Assumes new funding source for Microtransit
- Butterfly Express is maintained
- Microtransit Services
- Phased Implementation
  - Phase 1 – Fixed-Route Service
  - Phase 2 – Microtransit Pilot
  - Phase 3 – City-Wide Microtransit Service

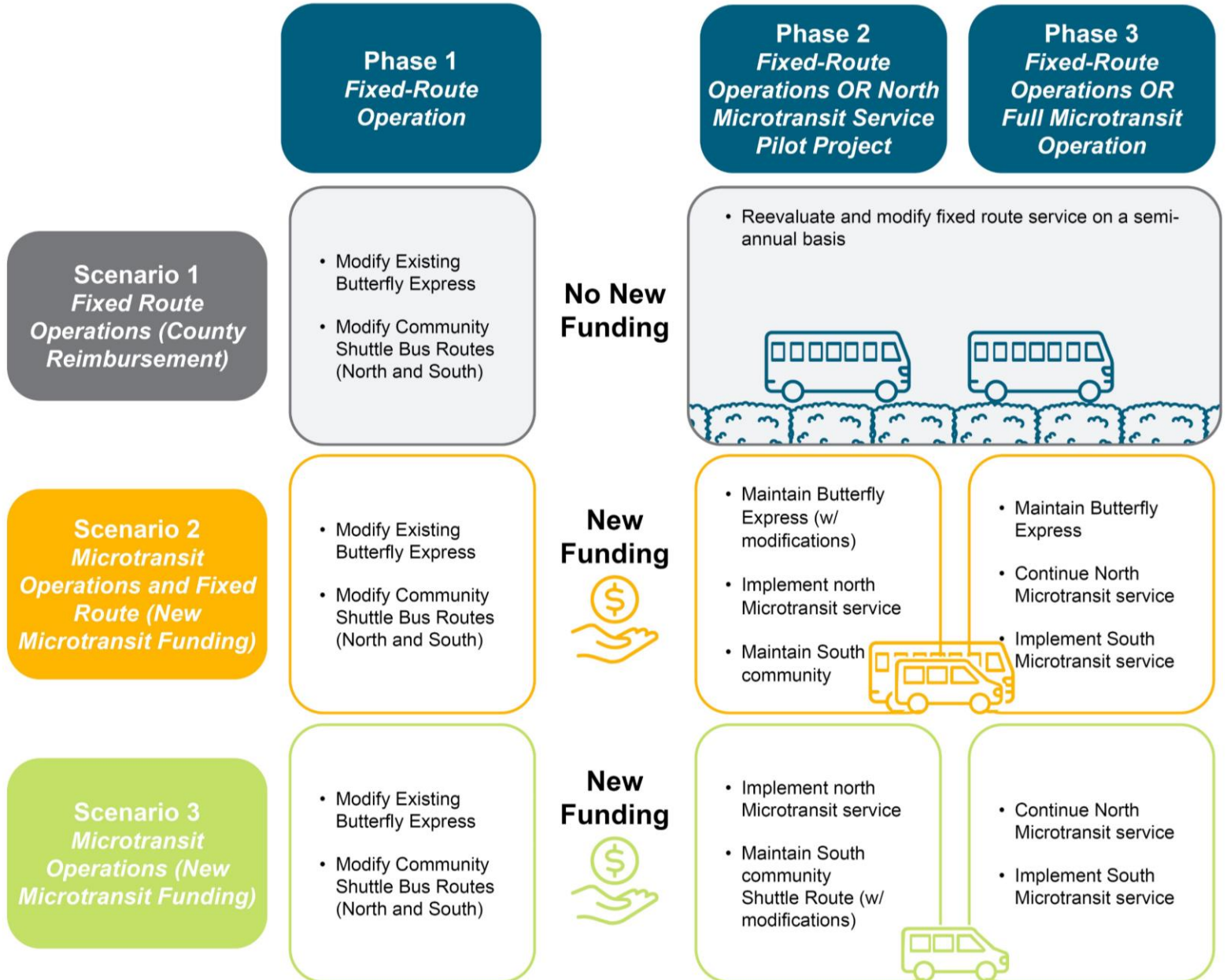


# Scenario 3 – Microtransit Service Only

- Assumes new funding source for Microtransit
- Microtransit Services
- Phased Implementation
  - Phase 1 – Fixed-Route Service
  - Phase 2 – Microtransit Pilot
  - Phase 3 – City-Wide Microtransit Service



# Project Implementation



# Three Implementation Scenarios



- **Scenario 1: Fixed Route Operations**

*Funding: Currently available from Broward County to support continued fixed-route operations only.*



- **Scenario 2: Microtransit Service and Butterfly Express**

*Funding: Need to identify a new funding source for implementation of Microtransit service. Potential New funding sources: City, discretionary funding from FDOT, or County funding as part of the Community Bus Program.*



- **Scenario 3: Microtransit Service Only**

*Funding: Need to identify a new funding source. As in Scenario 2, new source of funding required to implement Microtransit service.*

# Financial Summary

<b>Scenario 1 - Fixed-Route Operations</b>	<b>Projected FY 2024 Expense</b>	<b>Projected FY 2024 Revenue</b>
Butterfly Express (Including Fuel & Maintenance)	\$ 129,600	
Community Shuttle (Fully Allocated)*	\$ 695,300	
Projected Community Shuttle Reimbursement (Broward County)		\$ 391,700
<b>Total</b>	<b>\$ 824,900</b>	<b>\$ 391,700</b>
<b>Balance</b>		<b>\$ 433,200</b>

\*Community Shuttle costs include fuel, maintenance, and program administration expenses.

# Financial Summary

<b>Scenario 2 - Microtransit Service and Butterfly Express</b>	<b>Projected FY 2024 Expense</b>	<b>Projected FY 2024 Revenue</b>
Butterfly Express (Including Fuel & Maintenance)	\$ 129,600	
Microtransit (North and South Service Areas)	\$ 550,000	
Program Administration	\$ 135,900	
Projected Community Shuttle Reimbursement (Broward County)		\$ -
<b>Total</b>	<b>\$ 815,500</b>	<b>\$ -</b>
<b>Balance</b>		<b>\$ 815,500</b>

<b>Scenario 3 - Microtransit Operations Only</b>	<b>Projected FY 2024 Expense</b>	<b>Projected FY 2024 Revenue</b>
Microtransit (North and South Service Areas)	\$ 550,000	
Program Administration	\$ 135,900	
Projected Community Shuttle Reimbursement (Broward County)		\$ -
<b>Total</b>	<b>\$ 685,900</b>	<b>\$ -</b>
<b>Balance</b>		<b>\$ 685,900</b>





*Thank you!*

**Questions?**