Freedom to move. Liberty TRANSIT

HAMPO PC Meeting

June 13, 2024

Liberty Transit
2024 Transit Development Plan

Study Overview

- What is a Transit Development Plan (TDP)

  Transit Development Plan (TDP) - a strategic planning document that defines your community's public transit needs. Its purpose is to solicit broad input, coordinate with other plans, explore community goals, define alternative courses of action and to develop systematic plans and monitoring programs.

  - Strategic planning document
  - Required as a perquisite for State and Federal funding
  - Must be updated every 5 years
  - Fiscally constrained with a 10-year horizon

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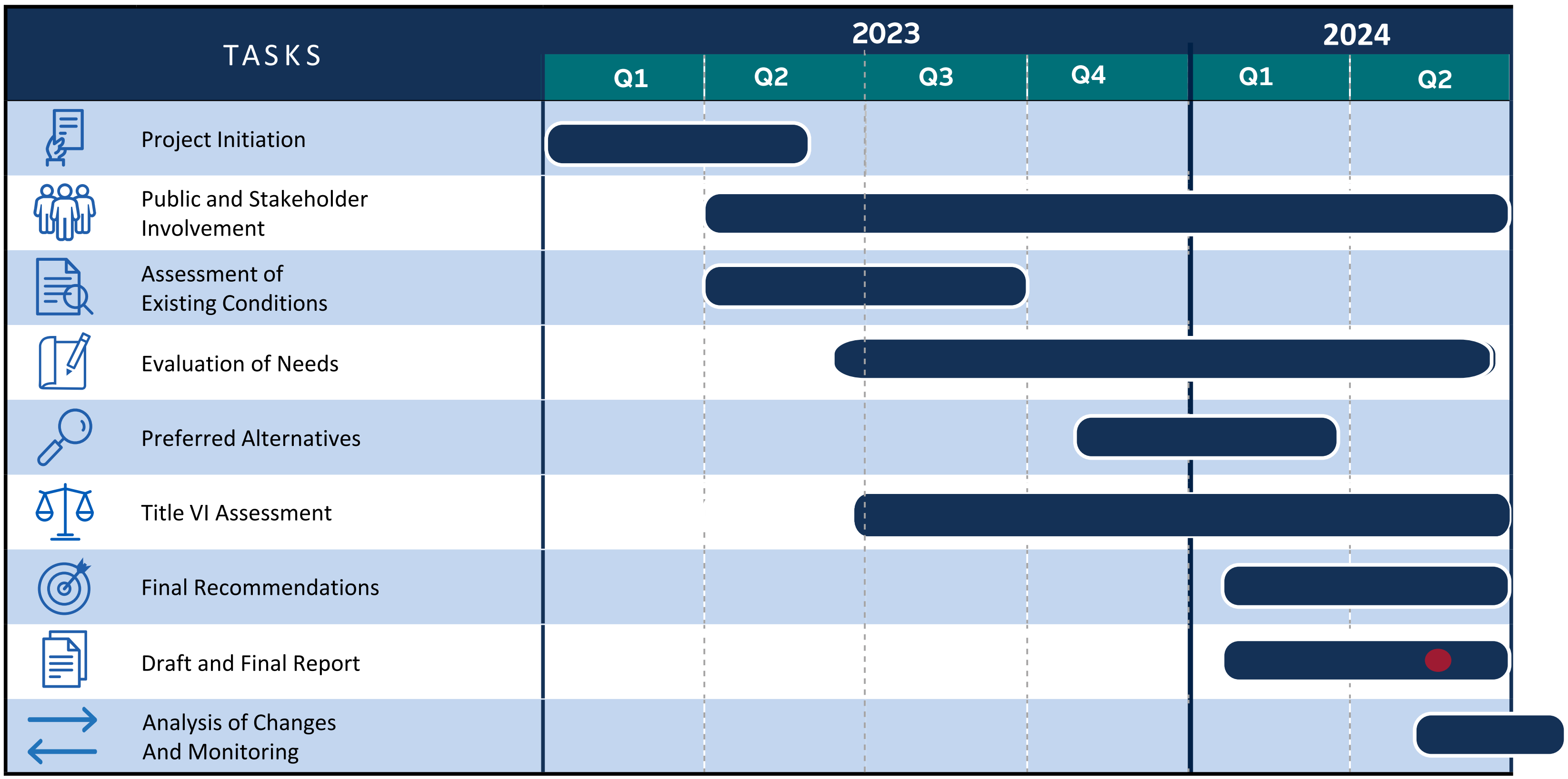
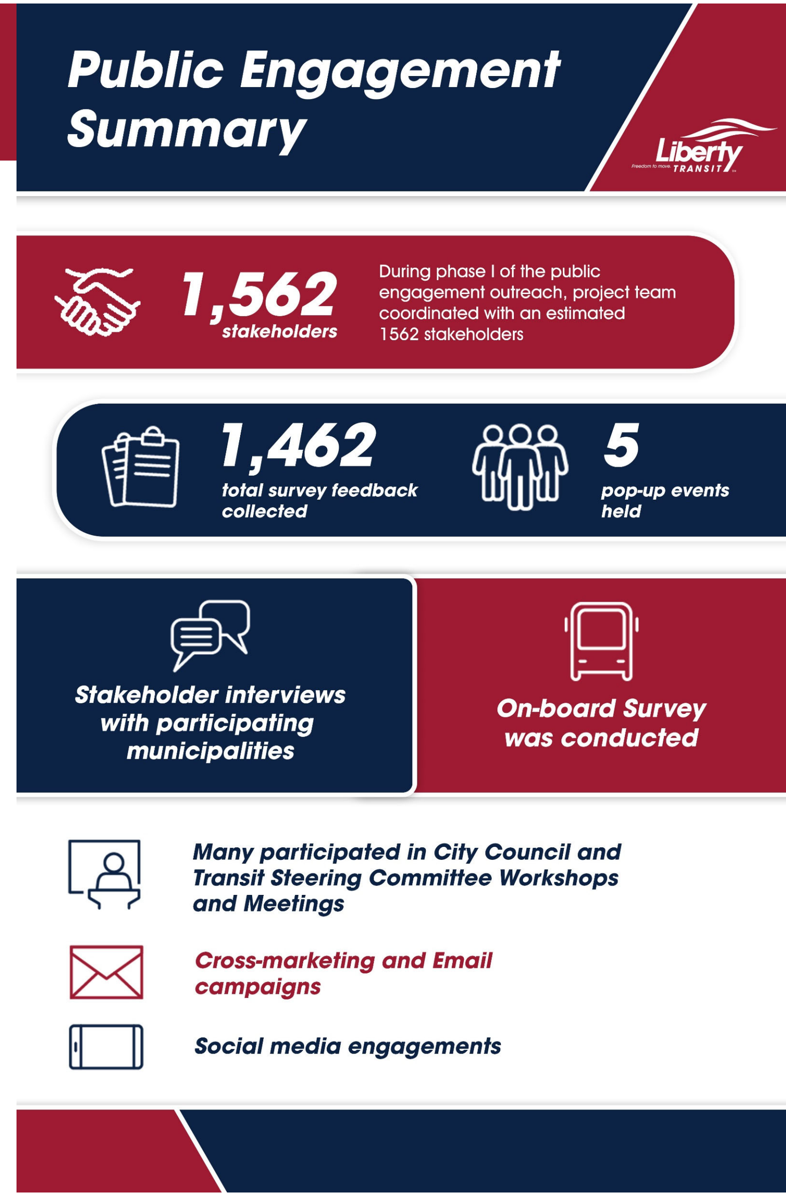
TDP - Project Schedule



Public Outreach Highlights

- Community Events
- Onboard and General Public Surveys
- Council Workshop
- Stakeholder Committee Meetings
- HAMPO Presentations
- Public Meetings / Presentations
- Website & Social Media Publications
- 30-day Public Comment Period
  - Oversight Agency Review



Public Outreach Highlights

- Key Takeaways
  - Increasing bus stops in rural areas to improve accessibility
  - Instructions on how to utilize the bus system effectively
  - Bus stop safety concerns: dangerous intersections without lights or sidewalks
  - Regional connection: Bryan and Chatham counties
  - Access to real-time location of buses
  - Promoting paratransit services

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Summary of Existing Conditions

~7%

Population Increase of ~4,577 people between 2010-2022

Liberty Transit System

FY21 Passenger Boardings
12,232

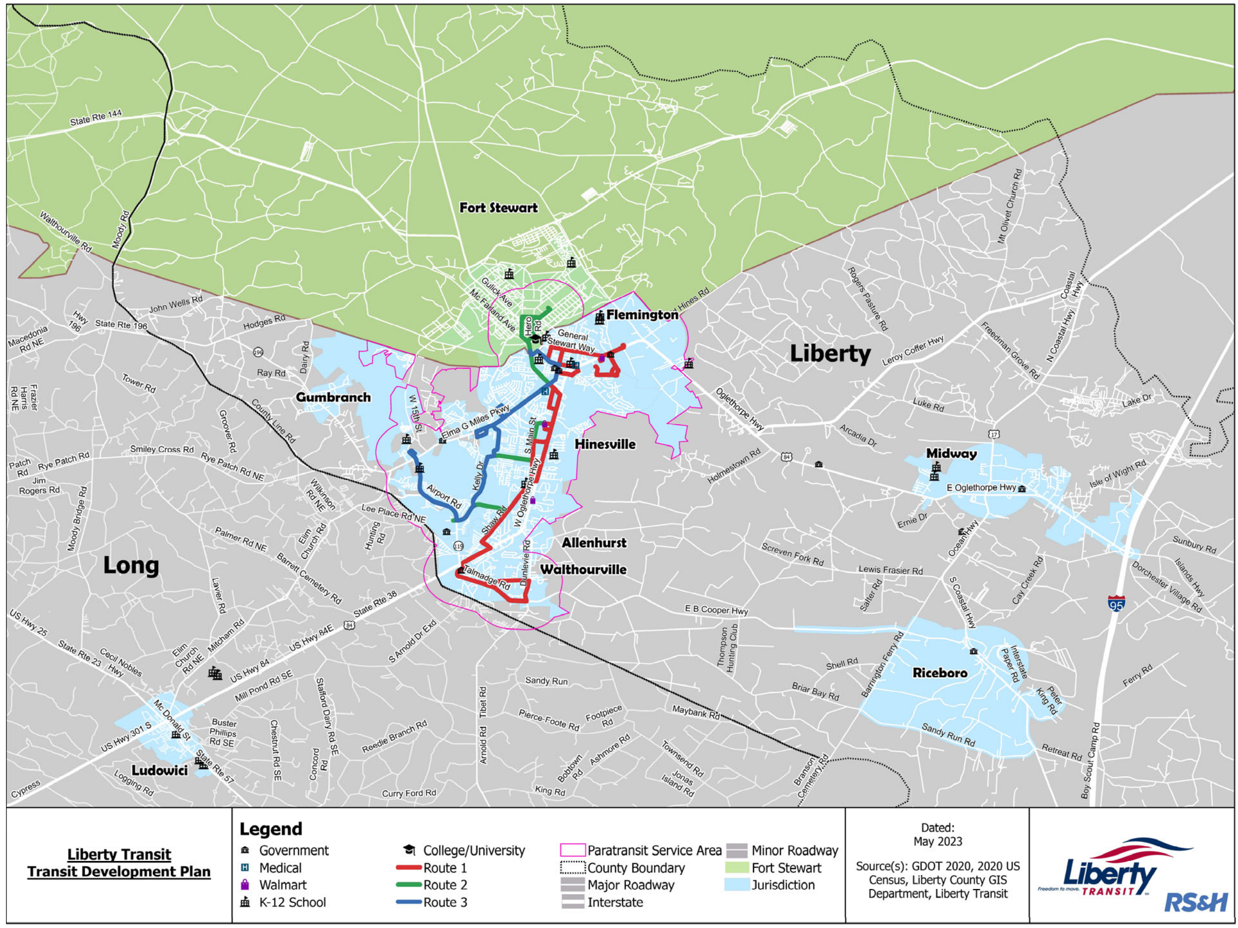
Service Area Total Population – 51,456

Households without a car		~6%
Senior Population	65+	~10%
Population Age 0-19		~31%

Summary of Existing Conditions

Public Transportation Service Options

- Three (3) fixed bus routes:
  - Route 1 (Red)
  - Route 2 (Green)
  - Route 3 (Blue)
- ADA Paratransit Service
- Coastal Regional Coaches



Transit Performance Assessment

Things Considered

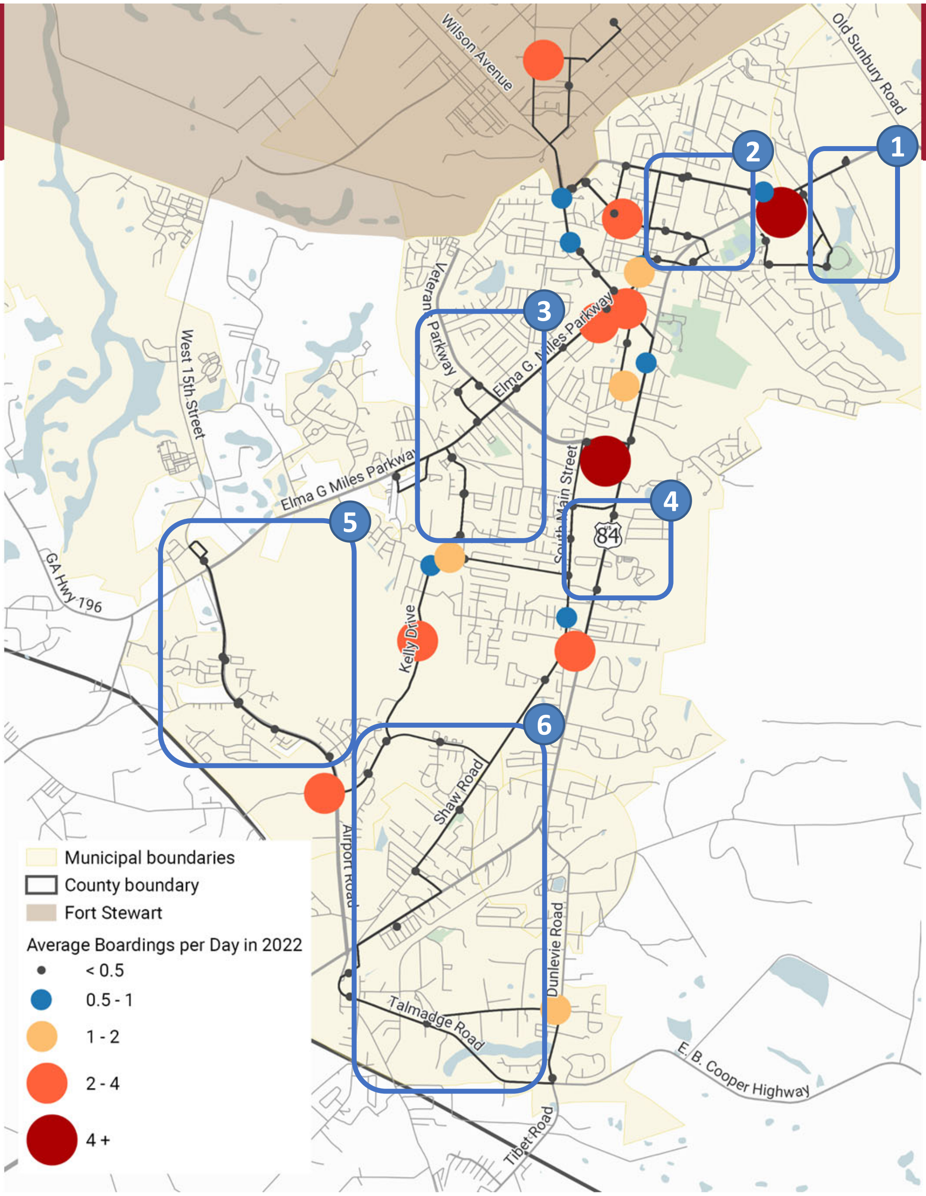
1. **Ridership by stop**
   Identify stops with above-average ridership
2. **Underperforming areas**
   Identify stop and stop cluster with below-average ridership
3. **Key demographic groups served**
   Assess how well each route serves four key groups
4. **Public and Stakeholder Input**
   Identify how well the routes currently serve requested destinations

Systemwide – Underperforming areas

Areas with **below-average** daily boardings*:

1. Patriot Trail / Tupelo Trail area
2. Memorial Drive, General Stewart Way (east of Main St)
3. Elma G Miles Pkwy (west of LRMC) and Pineland Ave
4. South Main / Oglethorpe Hwy (south of Super Walmart)
5. Airport Rd
6. Shaw Road / Talmadge Road area

Average boardings per day in 2022



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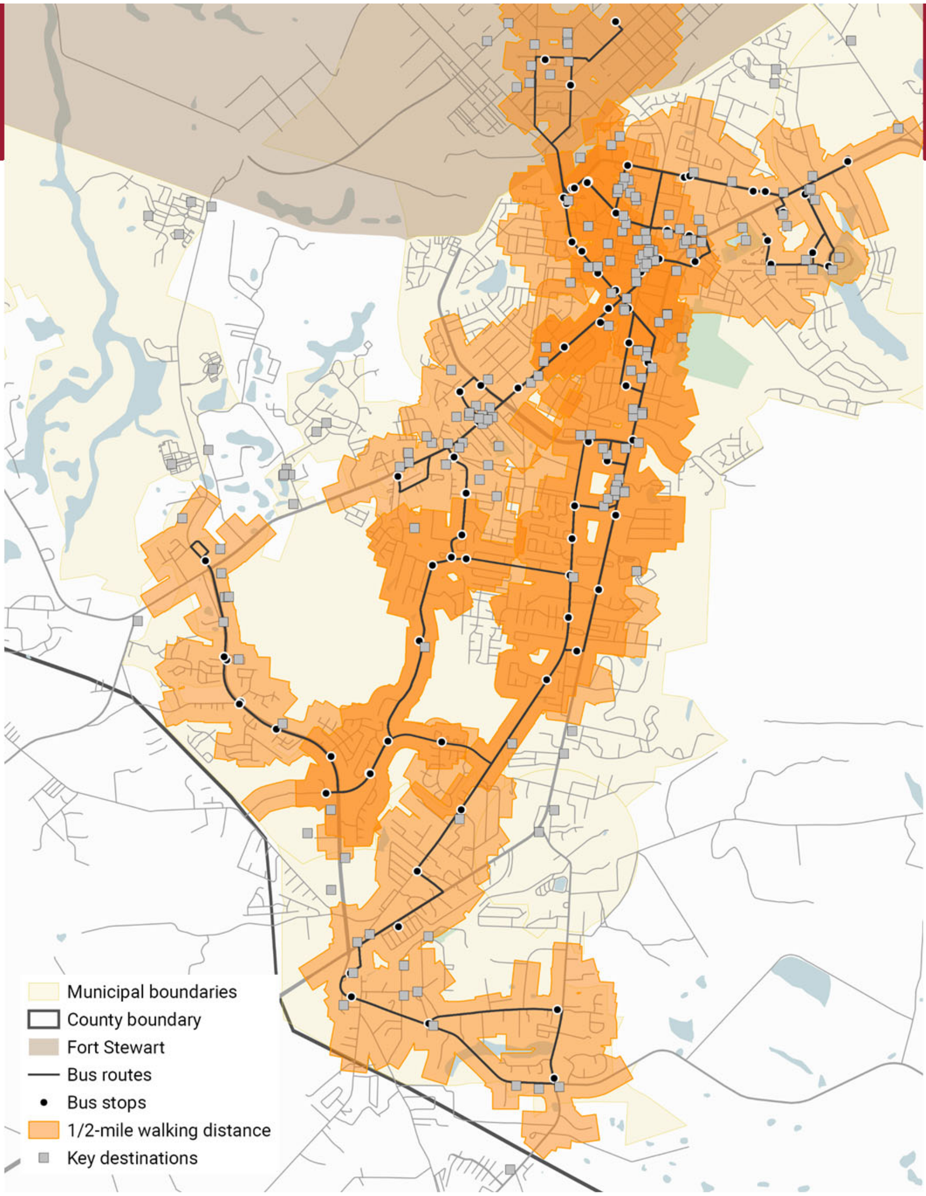
Assessment of Unmet Needs

- Existing routes go to the destinations requested in public survey
- Combined routes provide good coverage to key destinations



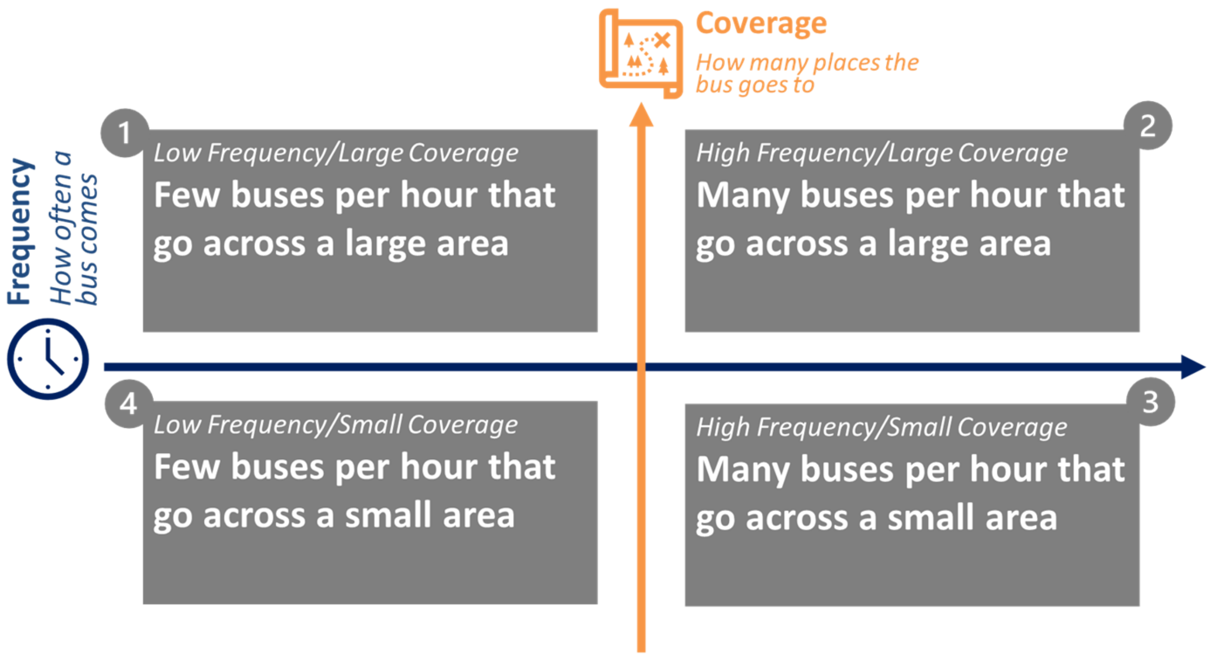
Transit Planning Considerations: Appropriate Transit Types

Density and Mix of Uses Decreasing

Land Use Type	Transit Type
Urban Core & Downtowns	• Mass transit (rail, rapid bus) • Fixed-route Bus
General Urban & Mixed Use	• Mass transit (rail, rapid bus) • Fixed-route Bus • Circulator
Suburban Mixed Use	• Fixed-route Bus • Circulator • Microtransit (demand response)
Rural	• Microtransit (demand response)

Paratransit service is required where fixed route service is provided

Transit Planning Considerations: Frequency vs. Coverage



Cost to Operate
Low: 4
Medium: 1 & 3
High: 2

- Current service
  - Few buses per hour that go across a large area
  - A bus every 1 ½ hour
- Imagine your car starts only once every 90 minutes
- Increases your wait times and restricts your options if there is a disruption
- Your ice cream melts!

Service Scenarios Overview

- 3 New Service Scenarios
  - Improve Frequency
  - Improve Connectivity
  - Improve Equitable Access
  - Improve Service Directness

- 3 Employment Service Scenarios
  - Improve Regional Access to Jobs
  - Improve Regional Access to Goods and Services

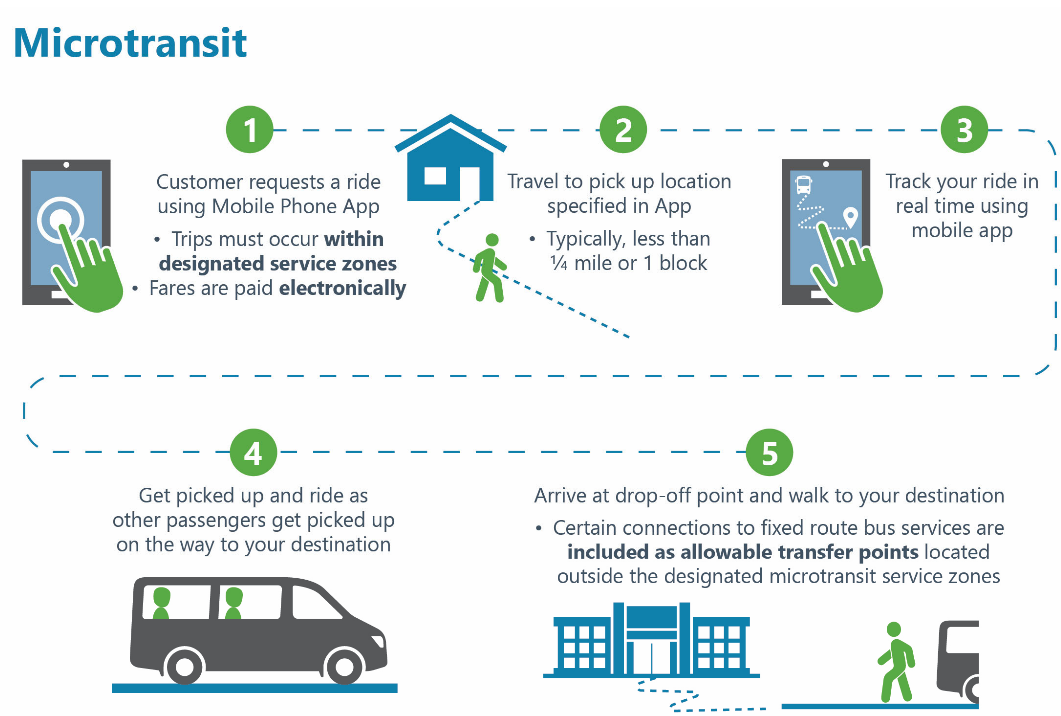
Route	Vehicles	Headway
Scenario 1: All Fixed Routes	5	60
Scenario 2a / 2b: Fixed + Microtransit	5-6	60
Scenario 3: All Microtransit	4	60
Midway Employment Shuttle	1	120
Riceboro Employment Shuttle	1	120
Vanpool Program	4	-
Fort Stewart Microtransit Add-on	1	30

What is Microtransit?

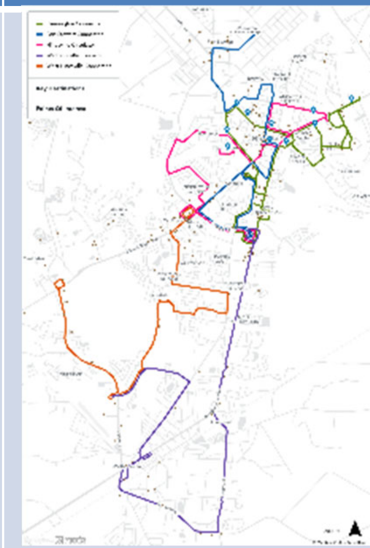
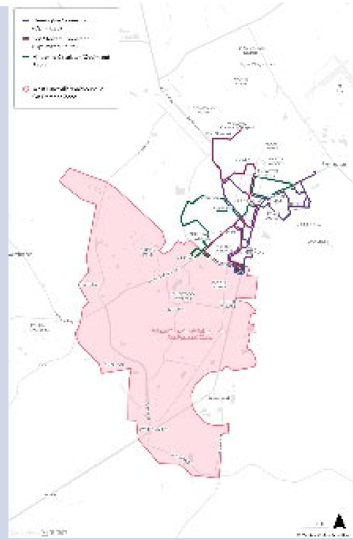
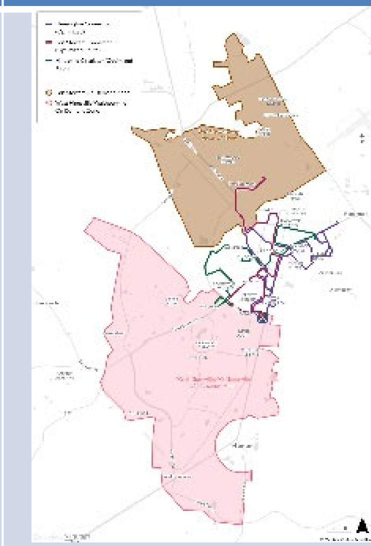
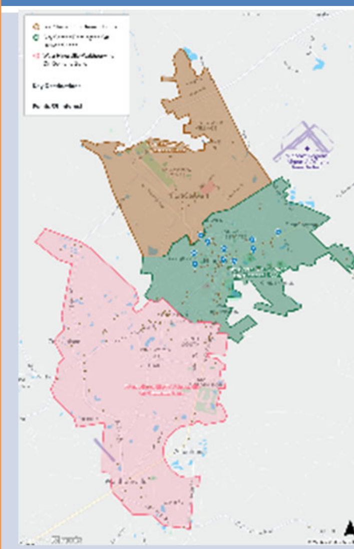
Microtransit is a flexible transit service that uses a mobile application to schedule trips between a requested pick-up and drop-off location.

- Similar to ride hailing services
- Offered within specified zones
- Trips are shared
- Average Wait Time = 30 Minutes

- Key Benefits of Microtransit
  - Accessibility
  - Schedule and Pick-up / Drop-off Location Flexibility



Service Scenarios Overview – Locally Preferred Alternative

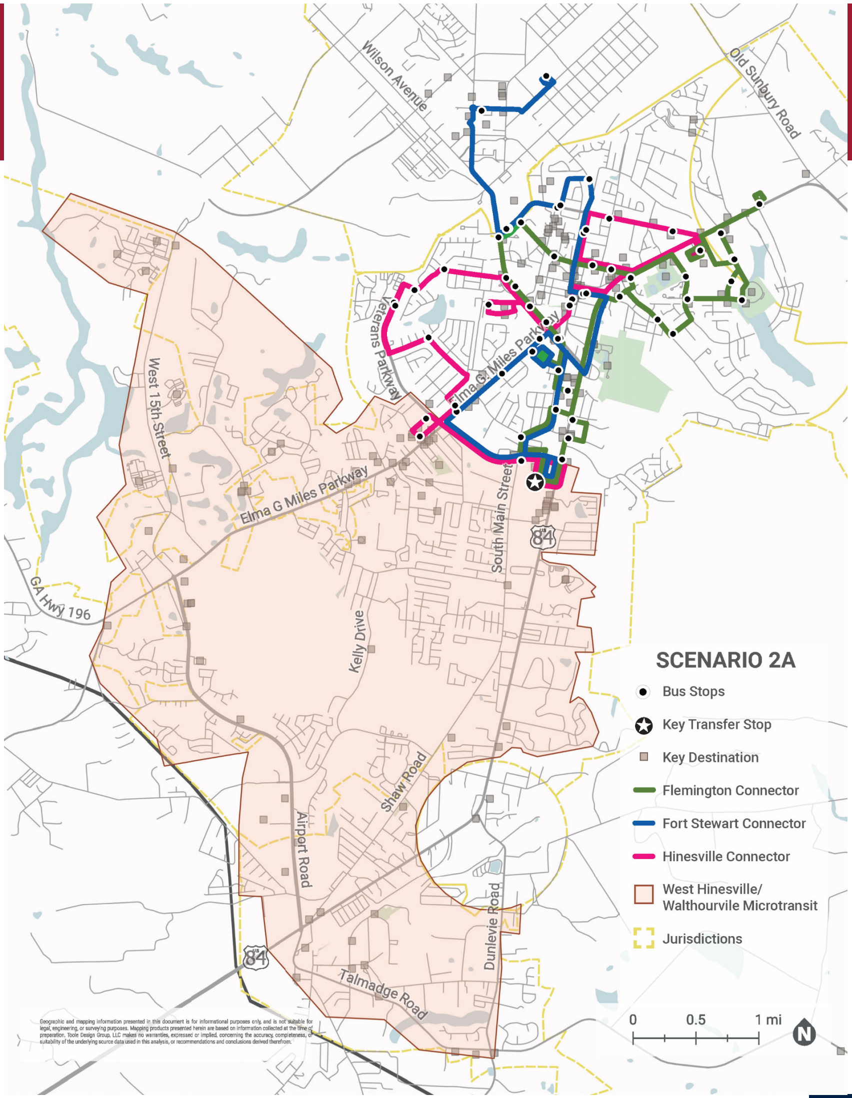
	Scenario 1	Scenario 2A	Scenario 2B	Scenario 3
				
Service Type	Fixed Route	Fixed + Microtransit (1)	Fixed + Microtransit (2)	Microtransit
Population Served (.25)	18,800	30,300	31,700	35,200
Estimated Annual Trips	34,500	37,192	41,456	32,084
Peak Vehicles	5	5	6	4

Scenario 2A Fixed & Microtransit

- **Scenario 2a – Fixed + Microtransit (1)**
  - Increases service area and improves frequency and provides direct pick-up / drop off locations in lower density areas
  - Operates Monday – Friday 6:00 AM – 7:00 PM
    - Saturday 8:00 AM – 7:00 PM

Route	Revenue Hours	**Revenue Miles	Vehicles	Headway
Flemington Connector	3,525	52,486	1	60
Fort Stewart Connector	4,089	61,455	1	60
Hinesville Circulator	3,791	56,669	1	60
Microtransit	7,540	-	2	30*

**Estimated wait time based on demand estimates and service parameters*
***Square Miles*

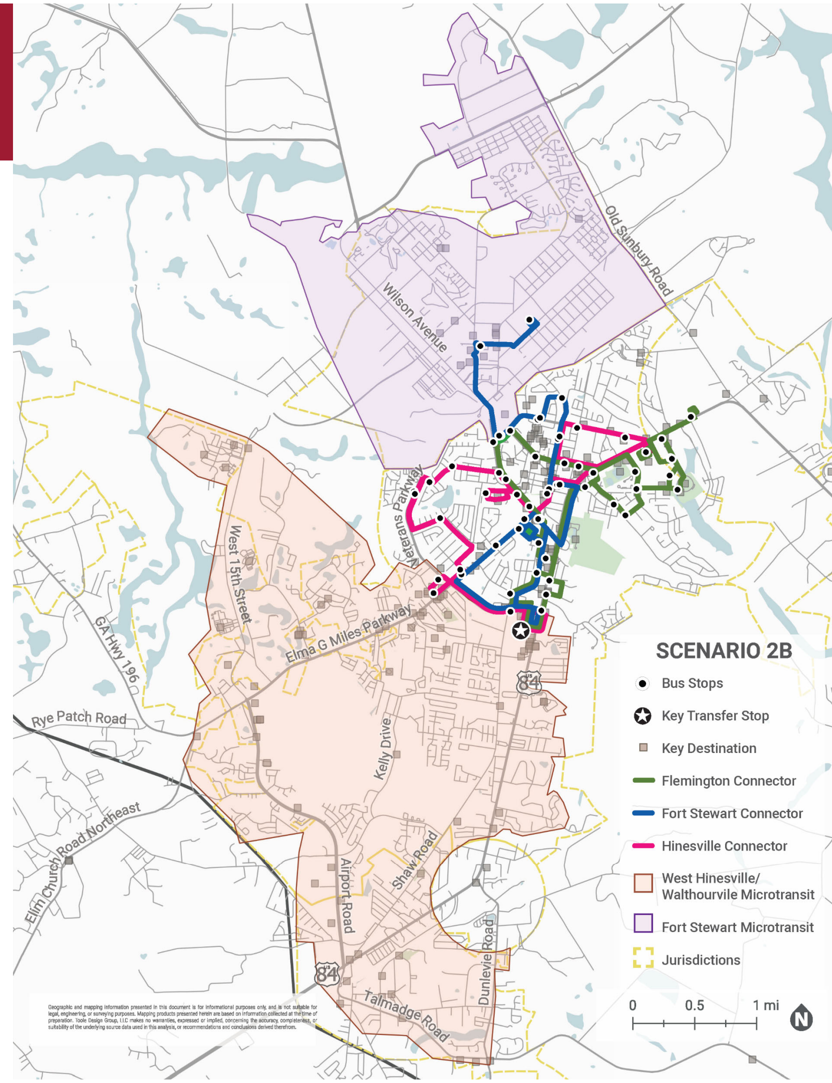


Scenario 2B – Fixed & Microtransit

- **Scenario 2b – Fixed + Microtransit (2)**
  - Increases service area and improves frequency and provides direct pick-up / drop off locations in lower density areas
  - Adds Fort Stewart Microtransit
  - Operates Monday – Friday 6:00 AM – 7:00 PM
    - <u>**Saturday**</u> 8:00 AM – 7:00 PM

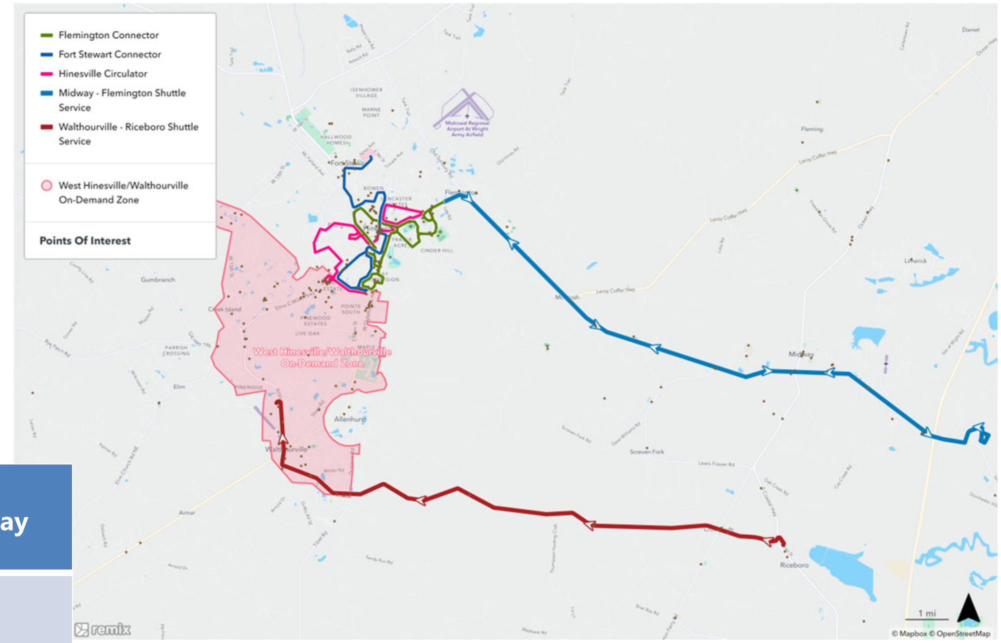
Route	Revenue Hours	**Revenue Miles	Vehicles	Headway
Flemington Connector	3,525	52,486	1	60
Fort Stewart Connector	4,089	61,455	1	60
Hinesville Circulator	3,791	56,669	1	60
Microtransit (2)	11,556	-	3	30*

**Estimated wait time based on demand estimates and service parameters*
***Square Miles*



Recap: Regional Service Options

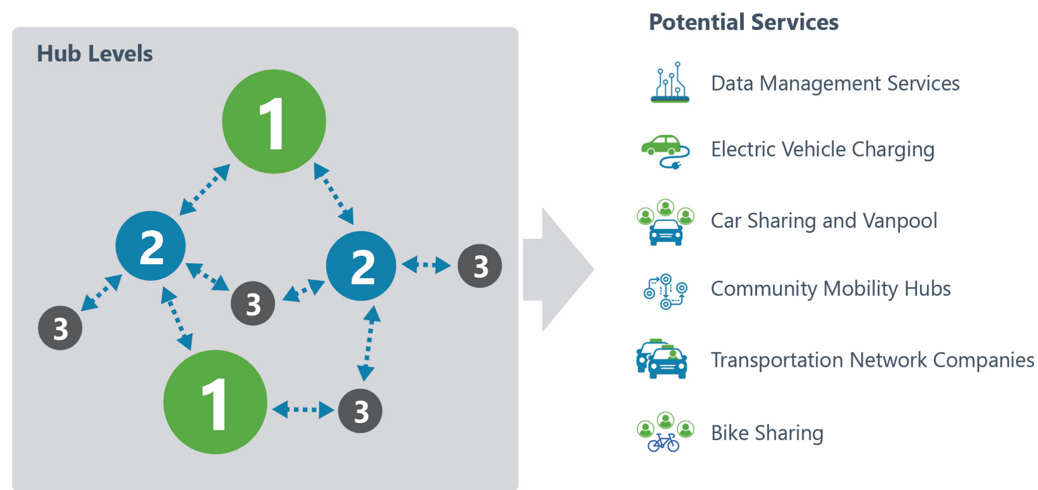
- Regional Service Options
  - Riceboro Employment Shuttle
  - Midway Employment Shuttles
  - Vanpool program – regional work destinations
  - After hours Uber / Lyft voucher program (also works for “guaranteed ride home” vanpool)
  - Fort Stewart Microtransit Zone



Route	Revenue Hours	Revenue Miles	Vehicles	Headway
Riceboro Employment Shuttle	969	43,353	1	60
Midway Employment Shuttle	1,326	46,413	1	60
Vanpool Program	-	-	4	-
Fort Stewart Microtransit	7,540	-	2	30*

Non-Service Recommendations

- Transit Supportive Infrastructure
  - Transit Center & Hubs
    - Alternative Fueling Station
    - Park-n-Ride
    - Rider / Driver Amenities
    - Regional service connections
  - BSIP + Infrastructure Program
  - Enhanced Marketing / Public Information
    - Fare Free Promotions
  - Multimodal and TOD Policy Review
  - Technology Improvements
    - Fare Collection
    - Updated website with real-time service information



Scenario Financial Analysis

Operating Scenarios	Existing (2024)	Scenario 1: Fixed Only	Scenario 2a: F+M Walthourville	Scenario 2b: F+M Walthourville & Fort Stewart	Scenario 3: Microtransit Only
Operating Total	**$1,228,743**	**$1,703,465**	**$1,798,853**	**$2,131,653**	**$1,470,016**
Fixed Route & Paratransit	*$1,028,727*	*$1,503,449*	*$995,637*	*$995,637*	*$0*
Microtransit	*$0*	*$0*	*$603,200*	*$936,000*	*$1,270,000*
City of Hinesville Overhead	*$200,016*	*$200,016*	*$200,016*	*$200,016*	*$200,016*
Federal Operating Funding*	$778,968	$1,092,284	$1,155,240	$1,374,888	$938,208
Net Local Cost	**$449,775**	**$611,180**	**$643,613**	**$756,765**	**$531,808**

**Federal Funding Estimate includes Capital Cost of Contracting with 80% Federal and 10% State match on 40% of TPO Contract.*

Service Add-Ons	Vanpool Program	Midway Employment Shuttle	Riceboro Employment Shuttle	Fort Stewart Microtransit
Operating Totals (Gross)	$64,000*	$104,800	$76,600	$332,800
Capital Cost	$140,000	$85,000	$85,000	$45,000

Funding Assistance for Add-on Services Require Partnership and Source Assumptions
**Assumes 4 Vans Managed by Vendor*

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Implementation Timeline

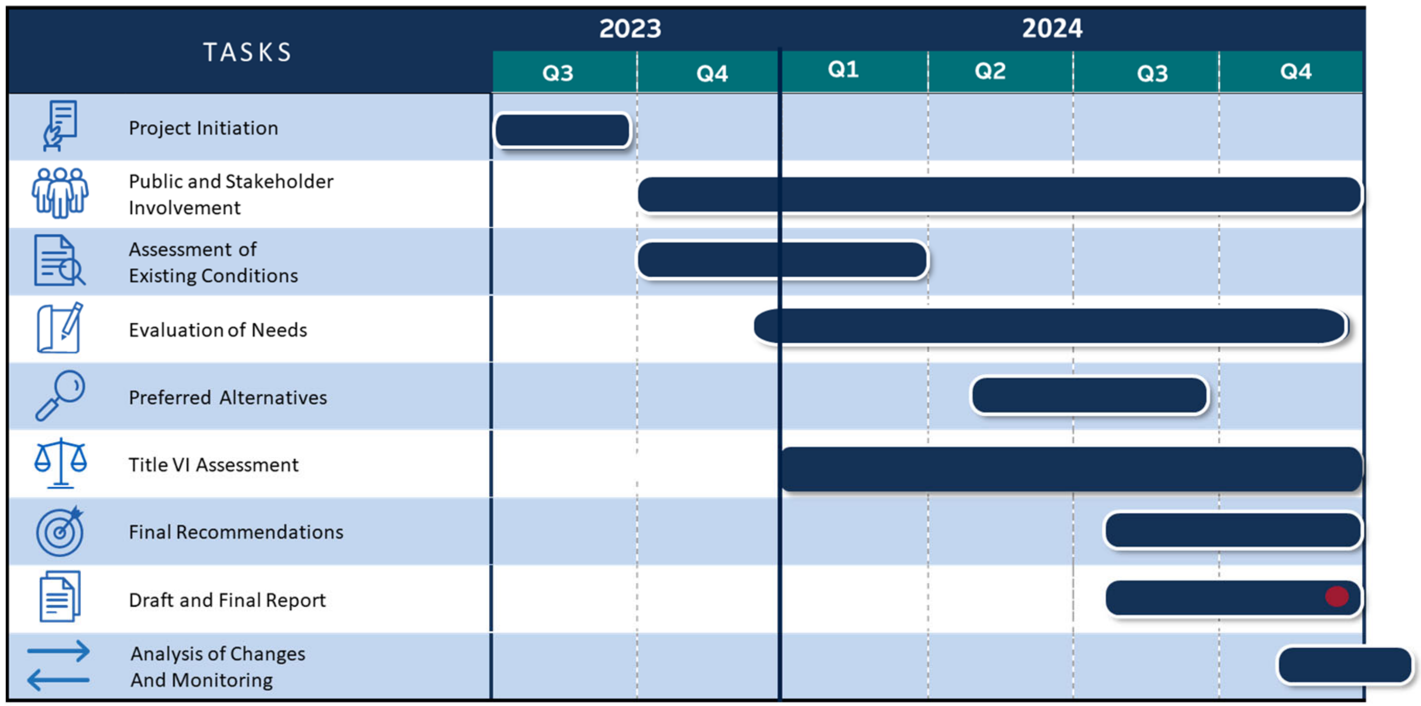
IMPROVEMENT CLASSIFICATION	RECOMMENDATION	2025	2026	2027	2028	2029	2030
Operational	Initiate Marketing, Public Information, and Training Campaign						
Policy	Initiate Policy, Contractual, and Implementation Planning Activities						
Policy	Coordinate with Targeted Agencies and Secure Implementation Partnerships						
Administrative	Apply for NEW Formula and Discretionary Grants						
Capital	Purchase / Install Short-Range Optimization Bus Stop Amenities						
Planning	Conduct Bus Stop Improvement Program (BSIP)						
Planning	Conduct Electric Vehicle Charging Infrastructure Analysis						
Capital	Purchase Upgraded Fare Collection Equipment						
Capital	Purchase Service Expansion Vehicles - Short-Range						
Operational	Develop New Ride Guides and Upgrade Liberty Transit Website						
Operational	Initiate New Fixed-Route Alignments						
Operational	Initiate Microtransit Pilot Program						
Capital	Initiate BSIP Phase I Recommendations						
Planning	Perform First Mile and Last Mile Accessibility Study						
Planning	Conduct Site Selection Study (Mobility Hub Analysis)						
Operational	Initiate Microtransit Pilot Program - Zone 2						
Capital	Procure Remote Ticket Sales Vending Station/s						
Planning	Develop Transit Oriented Development Policy and Ordinance						
Capital	Procure Expansion Support and Replacement Support Vehicles						
Administrative	Prepare and Negotiate On-Call Consultant Services						
Planning	Perform Regional Vanpool Study						
Planning	Complete Transit Development Plan Update						
Planning	Perform NEPA and Site Design for Mobility Hub						
Capital	Initiate Site Development for Mobility Hub						

Disclaimer: Schedule is provided as planning guide and subject to change.

Implementation
Continued Operation

Next Steps

- Hinesville Council Adoption 6/20
- Implementation Efforts Begin!



Questions?