

Economic Impact Analysis of the Calhoun Area Metropolitan Planning Organization (MPO) Fixed Transit Route Service

Jennifer Green, Director
Center for Economic Development and Business Research

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Data Used for Study

**EARPDC Transit Service Study and Action Plan Final Report
– June 26, 2023**

- Evaluation of the Existing ACTS Fixed Route System
- New Fixed Route Service in Jacksonville
- Development of a Maintenance Facility

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Data Used for Study Con't

Existing Areawide Community Transportation System (ACTS) Fixed Route Transit Services – Ridership numbers FY2016 – June, 2023 - JRWA

- ACTS currently operates within Anniston, Oxford, portions of Weaver and Hobson City, with equivalent paratransit services operated within the same geography.
- Demand-response public transit services are available in Piedmont and the areas of Calhoun County outside the cities. Similarly, demand-response rural public transit services are provided in Cherokee, Clay, Cleburne, Coosa and Talladega Counties

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Data Used for Study Con't

Existing Areawide Community Transportation System (ACTS) Fixed Route Transit Services – Ridership numbers FY2016 – June, 2023 - JRWA

Fixed-Route Ridership							
	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
Oct	9,011	9,560	9,993	8,871	5,541	7,679	7,483
Nov	9,481	9,225	8,504	7,665	5,425	7,272	7,024
Dec	9,459	8,205	8,082	7,596	5,266	7,745	7,184
Jan	8,019	7,510	8,239	7,614	5,177	7,114	7,151
Feb	8,462	8,960	7,800	7,262	4,773	7,305	7,301
Mar	9,707	9,493	8,979	7,185	5,512	8,757	8,230
Apr	8,240	8,942	9,045	4,285	6,263	8,965	7,090
May	9,900	9,502	8,774	5,141	6,498	9,012	7,509
Jun	9,977	9,905	7,993	5,852	7,197	10,500	6,979
Jul	8,971	8,820	8,626	6,160	7,836	9,141	
Aug	10,511	10,617	9,314	6,111	7,771	10,763	
Sep	9,280	8,607	7,868	5,923	8,019	10,645	

Source: Libby Messick, EARPDC

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The Geography

Existing Areawide Community Transportation System (ACTS) Fixed Route

Source: JRWA Report, August 2023

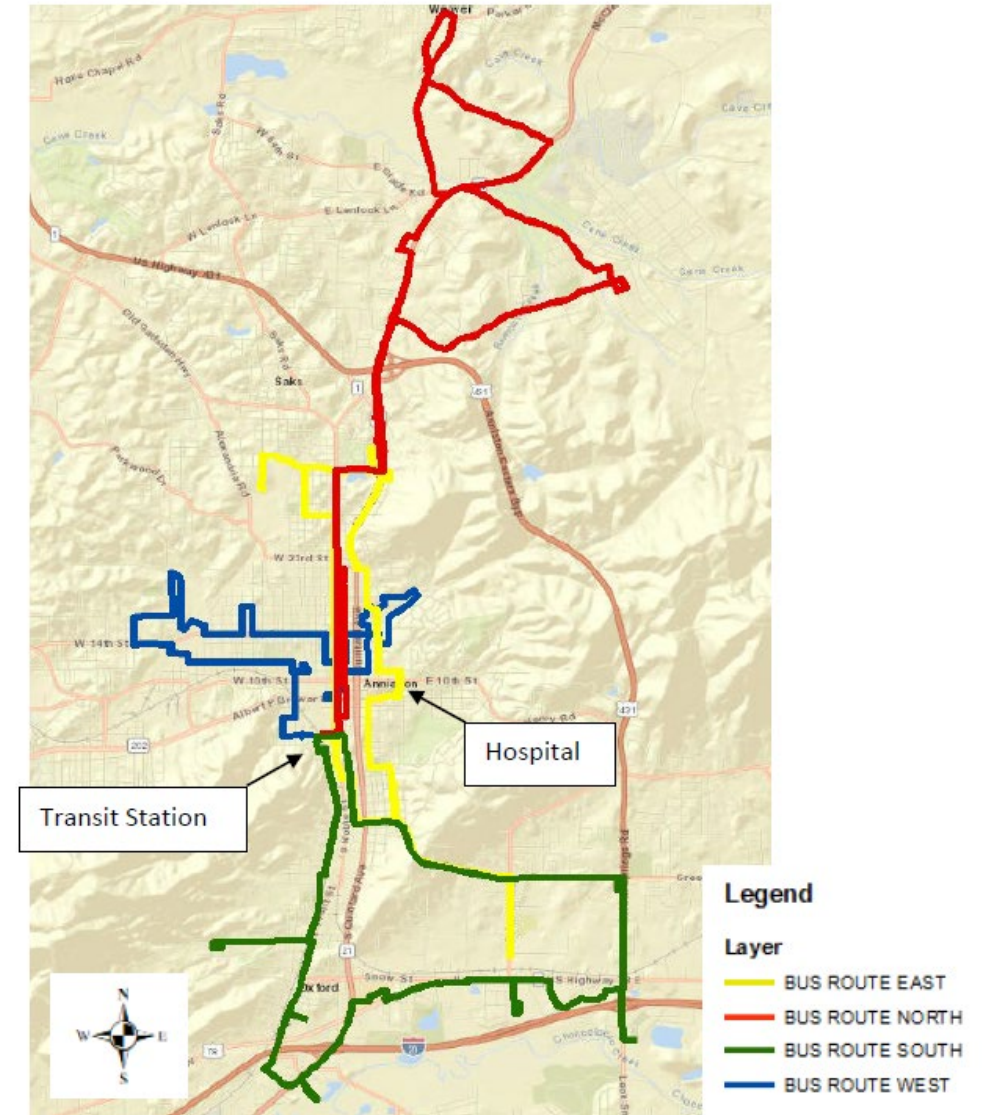


Figure 1. Existing ACTS Fixed Routes

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The Geography

Proposed Jacksonville, AL Route

Source: JRWA Report, August 2023

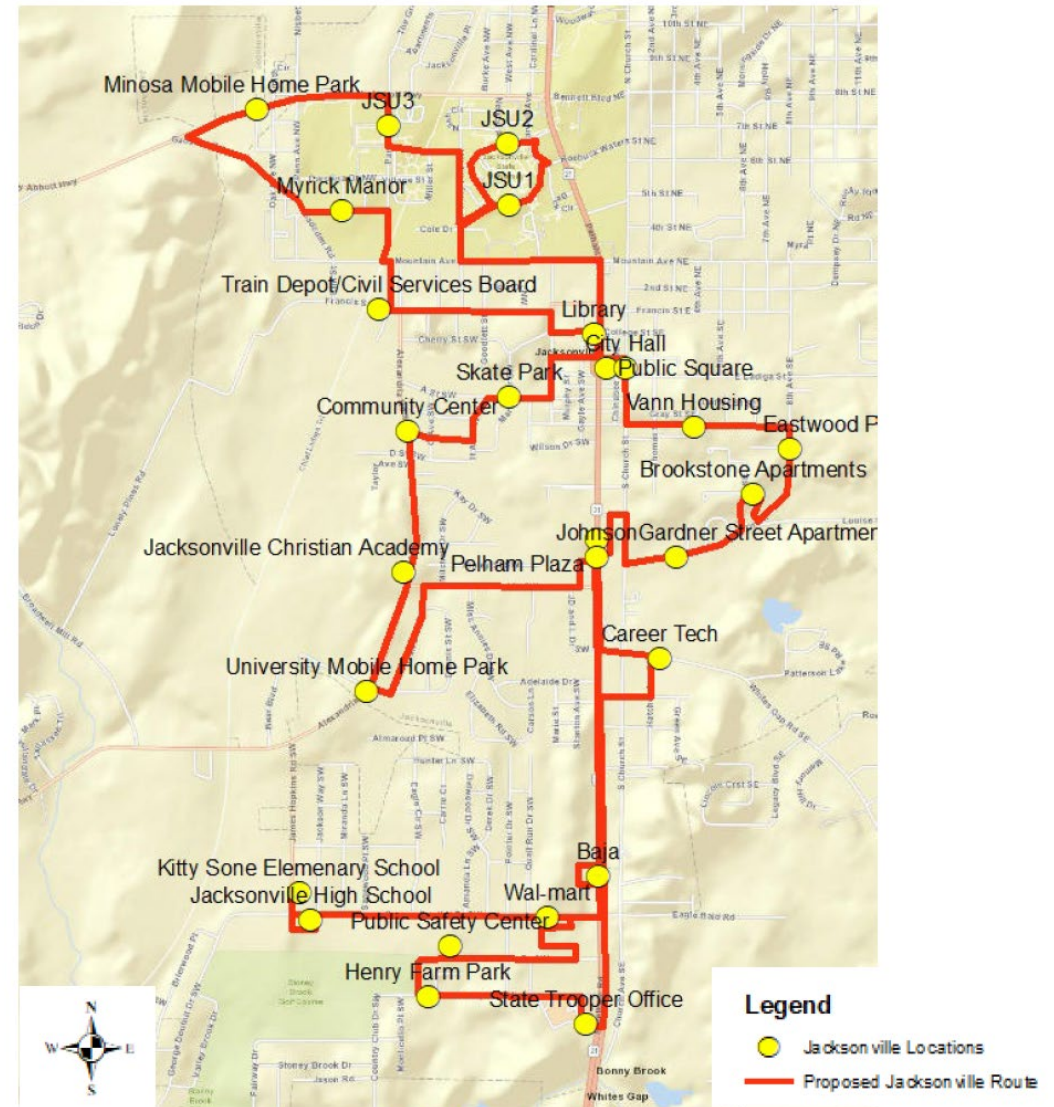


Figure 12. Jacksonville route.

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Data Used for Study Con't

Existing Areawide Community Transportation System (ACTS) Fixed Route Transit Services – Ridership numbers FY2016 – June, 2023 - JRWA

ADA Paratransit Ridership						
Fiscal Year 2022-2023	Anniston	Jacksonville	Weaver	Oxford	Section 5307 CC Urban	Section 5311 CC Rural
October	474	117	43	65	118	114
November	524	107	43	67	134	98
December	537	113	41	61	122	119
January	482	112	32	62	94	86
February	456	182	27	52	68	74
March	636	217	17	71	86	87
April	518	187	15	47	81	65
May	529	169	15	54	58	31
June	474	168	13	88	87	45
July						
August						
September						
2022 Avg./Mo.	552	137	25	125	127	97
2023 Avg./Mo.	514	152	27	63	94	80

Source: Libby Messick, EARPDC

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Data Used for Study Con't

City of Jacksonville Transit Ridership Estimates – Provided by JRWA dated August 7, 2023

What projected ridership for Jacksonville Transit could have looked like for 2023 based on actual ridership numbers for the same months from existing fixed route.

	January 2023	February 2023	March 2023	April 2023	May 2023	June 2023
Riders (monthly)	1,340	1,533	1,641	1,259	1,435	1,252

Equates to roughly 65 passengers per day.

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Economic Impact for Revised Route Recommendations – Compiling the Data

TranSight Model TS-ALwin20.70

Two Regions: Calhoun County and the rest of Alabama

Existing Fixed Route Costs

FY 2020	\$882,419.94
FY 2021	\$796,894.09
FY 2022	\$860,572.86

Source: Libby Messick, EARPDC

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Economic Impact for Revised Route Recommendations – Compiling the Data

2023 Projected Population for Calhoun County MPO Area = **110,301**

Source: REMI TranSight Model

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Economic Impact for Revised Route Recommendations – Compiling the Data

Bureau of Transportation Statistics Data

From January 2022 to May 2023, the average monthly number of trips in the Calhoun County MPO area was approximately **440,130.59**

Source: <https://data.bts.gov/Research-and-Statistics/Trips-by-Distance-Daily-Average-by-Month/bnhp-2ktx/data>

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Economic Impact for Revised Route Recommendations – Compiling the Data

Average Ridership of Calhoun County MPO ACTS

7,327.89

Source: Derived from EARPCD Fixed Route Ridership numbers from October 2022 to June 2023

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Economic Impact for Revised Route Recommendations – Compiling the Data

Calculation of Common Ridership – How Ridership is Compared to Calhoun County MPO as a Whole

of Riders Compared to Population Estimates
for Calhoun County MPO

1.7%

**Monthly average ridership/monthly average #
of trips**

of Riders Compared to Number of Trips in
Calhoun County MPO

6.6%

Source: Derived from EARPDC Fixed Route Ridership numbers from October 2022 to June 2023

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Measuring the Impact in REMI TranSight

Quantifying Effective Transportation Distance

$1 - (\text{average monthly ridership} / (\text{total population of the MPO area or average monthly trips}) \times \text{\%increase in ridership})$ *

Less than 1 means movement is relatively slower: places take longer to get to

Greater than 1 means movement is relatively quicker: places take a shorter time to get to

Source: Derived from EARPDC Fixed Route Ridership numbers from October 2022 to June 2023

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Measuring the Impact in REMI TranSight

Commuting Costs

Transportation Costs

Accessibility Costs

Source: Derived from EARPDC Fixed Route Ridership numbers from October 2022 to June 2023

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JAX
STATE
Jacksonville State University.