MEMPHIS AREA TRANSIT AUTHORITY Regular Meeting Agenda Monday, November 18, 2024 12:00 PM



Memphis Area Transit Authority
One Commerce Square
40 S Main St
Memphis, TN 38103
Bacarra S. Mauldin, Interim CEO
Memphis Area Transit Authority

Brandon Arrindell Cynthia Bailey Sandi Klink Brian Marflak Committee of the Whole Emily Greer, Chair Jackson McNeil Anna McQuiston Dana Pointer Maya Siggers

	ndi ndk		iviaya Siggers				
l.	Call to Order		Emily Greer				
II.	Roll Call		Annie Givens				
III.	Welcome	Emily Gree					
IV.	Board Introductions	Commissioners					
V.	Vice Chair Nominations		Commissioners				
VI.	Board Committees - a key element for Board efficiency		Bacarra Mauldin				
	Board Committees Presentation	TMP-0268					
	Attachments: Board Committees						
VII.	Planning, Service Development & Capital Projects		John Lancaster				
	Planning Presentation	TMP-0269					
	Attachments: Planning Presentation						
VIII.	Public Affairs		Andre Dean				
	Public Affairs Presentation	TMP-0267					
	Attachments: Dean & Associates (1118)						
IX.	Adjournment		Emily Greer				

The Next Regular Meeting of the:

MATA Board of Commissioners will be: Tuesday, November 19, 2024 3:30pm

at

Memphis Area Transit Authority
One Commerce Square – 40 S. Main Street
Memphis, TN 38103

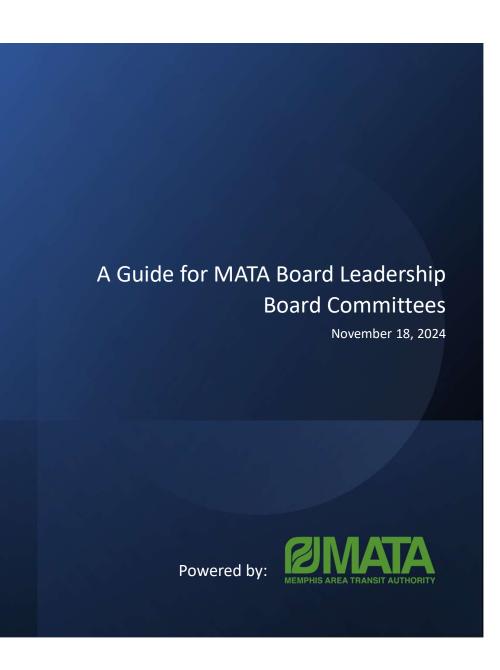


MEMPHIS AREA TRANSIT AUTHORITY

40 South Main Street, Memphis, TN 38103 Bacarra Mauldin, Interim CEO www.matatransit.com

Committee of the Whole

RESOLUTION NO. TMP-0268





Current Board Committees



- Executive Committee
- Service and Capital Development Committee
- Business Operations Committee
- External Affairs Committee
- By-Laws Committee
- Audit Committee



Alternative Board Committees



- Executive Committee
- Rider Experience and Performance Management Committee
- System and Service Planning Committee
- Finance and Audit Committee
- Used by:
 - Sound Transit Seattle, Washington (Large System)
 - Max Transit Birmingham, Alabama (Mid-sized System)
 - Chatham Area Transit Savannah, Georgia (Small System)







MEMPHIS AREA TRANSIT AUTHORITY

40 South Main Street, Memphis, TN 38103 Bacarra Mauldin, Interim CEO www.matatransit.com

Committee of the Whole

RESOLUTION NO. TMP-0269







MATA Board of Commissioners Orientation – Planning Scheduling and Capital Projects

John Lancaster, AICP Chief Development Officer November 18, 2024





Agenda

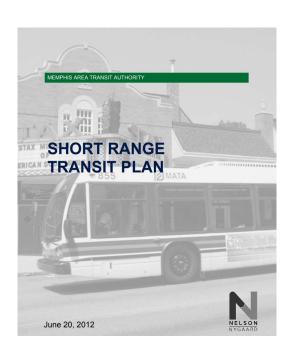
- Introduction
- Responsibilities of Planning & Scheduling
- Title VI Program Responsibilities
- Overview of Capital Projects



John Lancaster, AICP

- 35 years experience in planning and construction
- Over 25 years at MATA
- Bound by American Institute of Certified Planners Code of Ethics
- Obligation to serve the public interest, do so with integrity, ensure equity, and safeguard the public trust





- New Mission, Vision, & Goals (August 2011)
- New Standards and Performance Measures (December 2012)
- Short Range Transit Plan (March of 2014)
- Bus Stop Guidelines (April 2017)
- Guiding Principles for Route Design
- Hierarchy of Routes















REQUEST FOR INTEREST

Innovate Memphis

516 Tennessee Street, Suite 223 Memphis, TN 38103

DEVELOPMENT OF A TRANSIT VISION FOR THE MEMPHIS 3.0 COMPREHENSIVE PLAN

Issued: May 20, 2017 Due: June 2, 2017 no later than 2:00 P.M. (Central Time)

Introduction

Innovate Memphis seeks to retain the services of a consultant team to provide professional services for the development of a Transit Vision as part of the City's Memphis 3.0 Comprehensive Plan. The Transit Vision will provide a 20-year look ahead to the type of transit system that will be required to meet the City of Memphis and region's transit needs through 2040. The Transit Vision will address transit expansion needs for the short-term and long-term from 2020 through 2040. The Transit Vision will address many critical issues to Memphis:

- Review of the city's most important transit corridors that carry high ridership today, as well
 as potential new ridership markets that may emerge as growth in jobs and residents occurs
- Selection of transit modes such as bus rapid transit, light rail, or street car that would work best in those corridors
- Integration of transit capital facilities and services with walking and biking infrastructure, and using transit to make great places
- Enhancement of bus transit performance through roadway recommendations such as bus bulbs and traffic signal priority
- Coordination with other agencies and private providers to create a seamless, fully integrated, and user friendly network of mobility services.



- A Plan for Memphis as it enters it's 3rd Century
- Two-Year Comprehensive Plan Process
- Develops a Shared Vision & Master Plan for the City
- Connects Land Use with Transportation
- Will Produce Goals & Objectives, policies and strategies – A "to-do" list for the City





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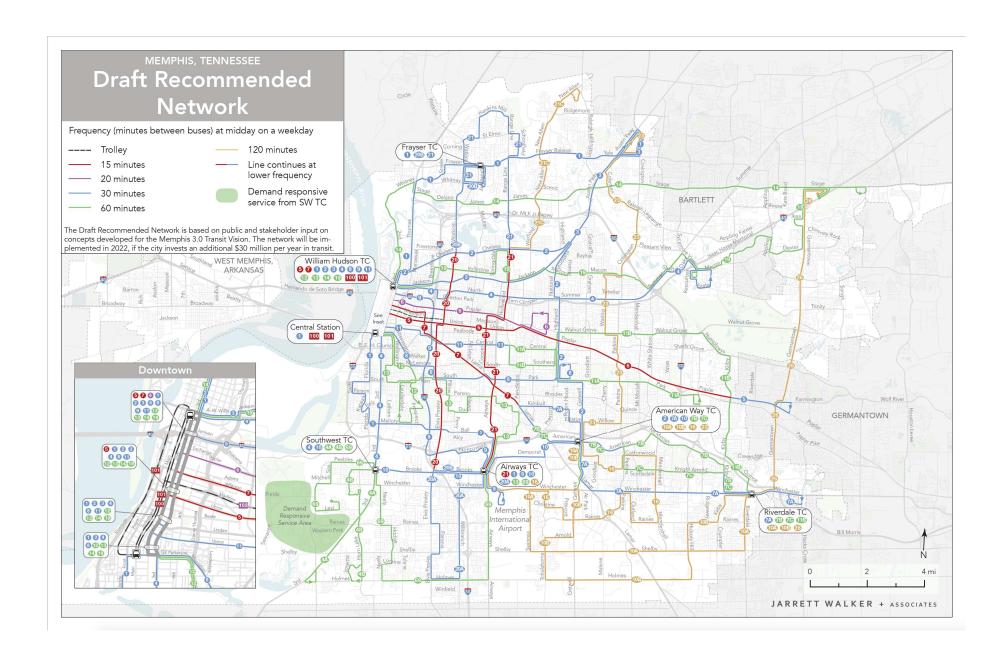
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- New Route Design
- Short TermImprovements for next5-Years
- 20-Year Future Plan
- Program of Projects
- Future Funding
- Leverage Improve Act Funding



Transit Vision

- An increase in frequency More buses arriving more often
- 39% more jobs reachable in an hour by transit for the average Memphian
- 45% more jobs reachable in an hour for minority residents and 49% for low-income residents
- 79,000 more people and 103,000 more jobs near frequent service (every 15 minutes)
- More weekend and evening service



City Strategy for Pilot Funding

- Repurpose Pre-K dedicated revenue streams
 - \$0.01 back to general fund
 - Expiring PILOT revenue to Transit Fund
- Requires City Council Action to Create Transit and Mobility Special Fund
- Resolution to allocate Funding to the Fund
- Modify Pre-K Ordinance to dedicate Fund 245 revenue stream
- Builds on existing GF contributions
- No Impact to Existing General Fund allocations

	EDGE and IDB	3 Expiring F	'ILOTs							
	Estimated Amount Available to CITY			OF MEMPHIS			1			
							1		1	
							[1	
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	\$662,310	\$662,310	\$662,310	\$662,310	\$662,310	\$662,310	\$662,310	\$662,310	\$662,310	\$662,310
	\$726,643	\$726,643	\$726,643	\$726,643	\$726,643	\$726,643	\$726,643	\$726,643	\$726,643	\$726,643
	\$1,389,691	\$1,389,691	\$1,389,691	\$1,389,691	\$1,389,691	\$1,389,691	\$1,389,691	\$1,389,691	\$1,389,691	\$1,389,691
	\$442,281	\$442,281	\$442,281	\$442,281	\$442,281	\$442,281	\$442,281	\$442,281	\$442,281	\$442,281
	\$307,232	\$307,232	\$307,232	\$307,232	\$307,232	\$307,232	\$307,232	\$307,232	\$307,232	\$307,232
	\$587,355	\$587,355	\$587,355	\$587,355	\$587,355	\$587,355	\$587,355	\$587,355	\$587,355	\$587,355
		\$134,625	\$134,625	\$134,625	\$134,625	\$134,625	\$134,625	\$134,625	\$134,625	\$134,625
			\$557,563	\$557,563	\$557,563	\$557,563	\$557,563	\$557,563	\$557,563	\$557,563
				\$2,031,768	\$2,031,768	\$2,031,768	\$2,031,768	\$2,031,768	\$2,031,768	\$2,031,768
					\$1,197,910	\$1,197,910	\$1,197,910	\$1,197,910	\$1,197,910	\$1,197,910
						\$1,126,791	\$1,126,791	\$1,126,791	\$1,126,791	\$1,126,791
							\$2,105,666	\$2,105,666	\$2,105,666	\$2,105,666
								\$3,972,432	\$3,972,432	\$3,972,432
									\$661,132	\$661,132
									1	\$599,860
Expiring PILOT Proceeds	\$4,115,511	\$4,250,137	\$4,807,699	\$6,839,467	\$8,037,377	\$9,164,168	\$11,269,834	\$15,242,265	\$15,903,397	\$16,503,257
Total Dedicated Transit and				4						
Mobility Funding - City	\$4,115,511	\$4,250,137	\$4,807,699	\$6,839,467	\$8,037,377	\$9,164,168	\$11,269,834	\$15,242,265	\$15,903,397	\$16,503,257
-									1	
Note:	: Total amount ava	ailable to She	lby County wh	nen EDGE and	J IDB lease aç	greements ex	pire x 0.8 to ε	account for ove	erestimates,	depreciating
	assets, unknowns. Excludes CCRFC PILOTs and expired PILOTS asssigned to DMA PILOT extension Fund.									

County Strategy for Pilot Funding

- Requires County Commission Action to Create Transit and Mobility Special Fund
- Resolution to dedicate expiring PILOT revenue to Transit Fund
- No Impact to Existing General Fund allocations

EDGE and IDB Expiring PIL	.OTs				/			'		
Estimated Amount Available	to SHELBY C	COUNTY				,				
		7				7				
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	\$488,619	\$488,619	\$488,619	\$488,619	\$488,619	\$488,619	\$488,619	\$488,619	\$488,619	\$488,619
		\$170,101	\$170,101	1 \$170,101	\$170,101	\$170,101	\$170,101	\$170,101	\$170,101	\$170,101
			\$1,123,607	\$1,123,607	\$1,123,607	\$1,123,607	\$1,123,607	\$1,123,607	\$1,123,607	\$1,123,607
		7		\$2,158,579	\$2,158,579	\$2,158,579	\$2,158,579	\$2,158,579	\$2,158,579	\$2,158,579
				7	\$1,527,173	\$1,527,173	\$1,527,173	\$1,527,173	\$1,527,173	\$1,527,173
			7	,	7	\$1,340,361	\$1,340,361	\$1,340,361	\$1,340,361	\$1,340,361
		7	7	,	7	,	\$3,833,281	\$3,833,281	\$3,833,281	\$3,833,281
				,	,			\$4,235,267	\$4,235,267	\$4,235,267
				,	,				\$732,462	\$732,462
		1		7	,	1				\$766,995
Expring PILOTs	\$488,619	\$658,720	\$1,782,327	\$3,940,906	\$5,468,079	\$6,808,439	\$10,641,721	\$14,876,987	\$15,609,450	\$16,376,445
Total Dedicated Transit and										
Mobility Funding - County	\$488,619	\$658,720	\$1,782,327	\$3,940,906	\$5,468,079	\$6,808,439	\$10,641,721	\$14,876,987	\$15,609,450	\$16,376,445
			•	-		-	•		ount for overes	
Note 1:	depreciating a	assets, urin	(NOWIS. ⊏XUI	luaes Curri	J PILUTS an	па ехрігей гл	LUIS asssigi	160 to DIVIA F	PILOT extension	on Funa.
14016 1.										, , , , , , , , , , , , , , , , , , ,

Combined Funding Strategy

				Combined Funding		<u></u> /				
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Total Dedicated Transit and										
Mobility Funding - City	\$4,115,511	\$4,250,137	\$4,807,699	\$6,839,467	\$8,037,377	\$9,164,168	\$11,269,834	\$15,242,265	\$15,903,397	\$16,503,257
Total Dedicated Transit and										
Mobility Funding County	\$488,619	\$658,720	\$1,782,327	\$3,940,906	\$5,468,079	\$6,808,439	\$10,641,721	\$14,876,987	\$15,609,450	\$16,376,445
Total dedicated funding City and										
County	\$4,606,153	\$4,910,881	\$6,592,052	\$10,782,399	\$13,507,483	\$15,974,636	\$21,913,583	\$30,121,283	\$31,514,878	\$32,881,733

April 2023

Proposed Transit Vision Implementation Plan

PRESENTATION TO MATA BOARD OF COMMISSIONERS

Milbrey Heard, AICP – Nelson\Nygaard

John Lancaster, AICP - MATA



BACKGROUND

As part of the Memphis
3.0 Comprehensive Plan,
the Transit Vision Network
will improve and expand
transit services as the city
grows and develops

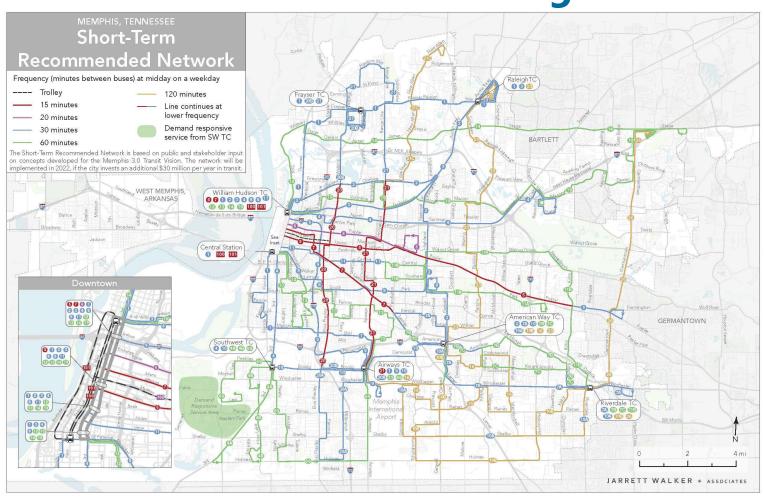








Recommended Network - Original





Recommended Network - Original

- Calls for increased investment
 - More frequency on more routes
 - More weekend and evening service
 - New and expanded bus routes
 - New services (on-demand) in some parts of the network
- Requires major increased investment of \$30m annually (in FY 2020)



New and redesigned bus routes that change how people connect across the city



39% more jobs reachable in an hour by transit for the average Memphian (17,000)



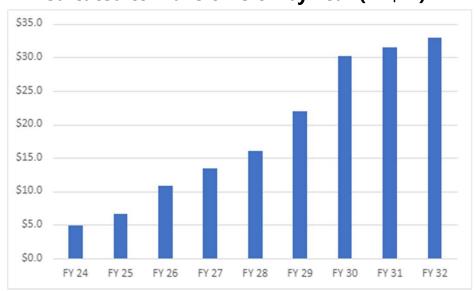
45% more jobs reachable in an hour for minority residents and 49% for low-income residents



Recommended Network - Original

- Implementation required major increase in funding of \$30M annually (in FY 20)
- The City of Memphis and Shelby County approved special revenue funding dedicated to the Transit Vision plan in June of 2022
 - Payments in lieu of taxes (PILOT)
 - Funding to start at \$4.9M and build up year over year
 - Funding estimated to reach \$32.9M by FY 32

Estimated City and County PILOT Funding Dedicated to Transit Vision by Year (in \$M)



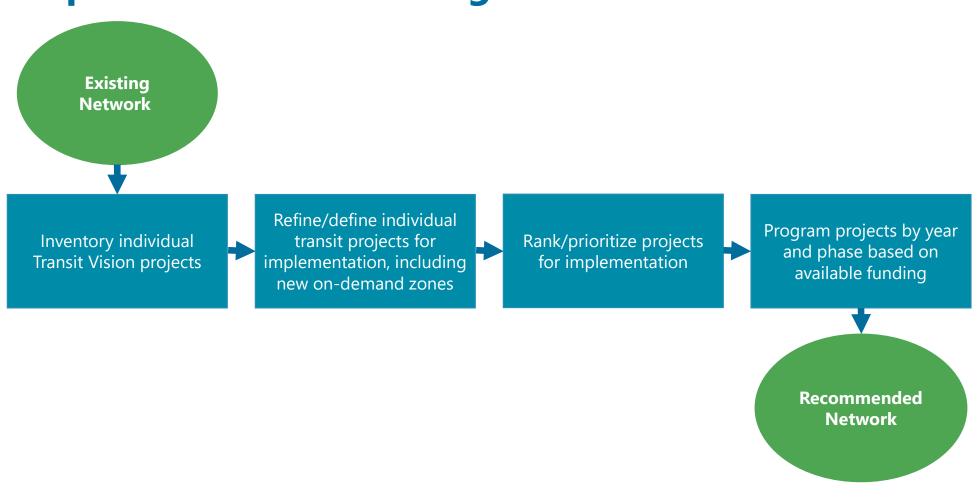
The draft implementation plan shows how MATA will use new funding to improve the existing network over a nine-year period

Transit Vision Implementation Plan

- Scaled and phased to match available funding
- Adapts to current ridership
- Coordinates with other MATA investment projects and programs
 - On-Demand Zones (Groove and Ready!)
 - Bus Rapid Transit (Memphis Innovation Corridor)
 - Electric Bus Program
 - Crosstown Corridor Connector



Implementation Planning Process





Evaluation, Prioritization, and Programming

Evaluation Framework

 Used to prioritize and rank individual (operating and capital) projects

Rankings

 Used to program project costs based on available funding

Assumptions

 Annual inflation of 4% for operating and capital projects

Prioritization Phases

Phase 1: FY 24 – FY 26

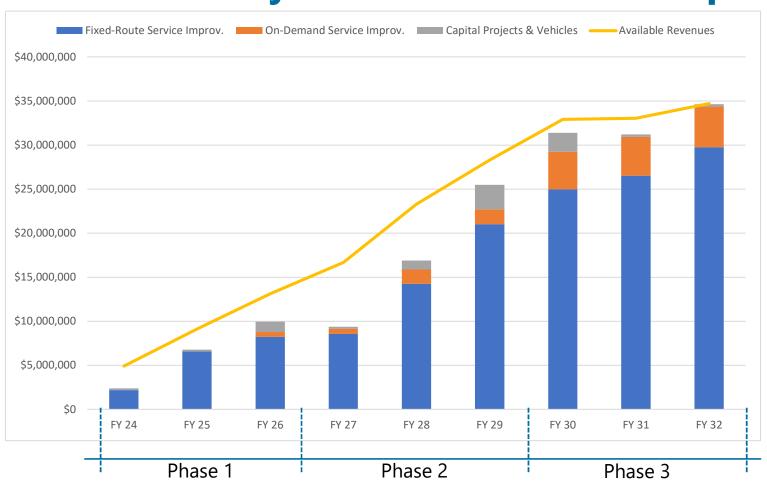
• Phase 2: FY 27 – FY 29

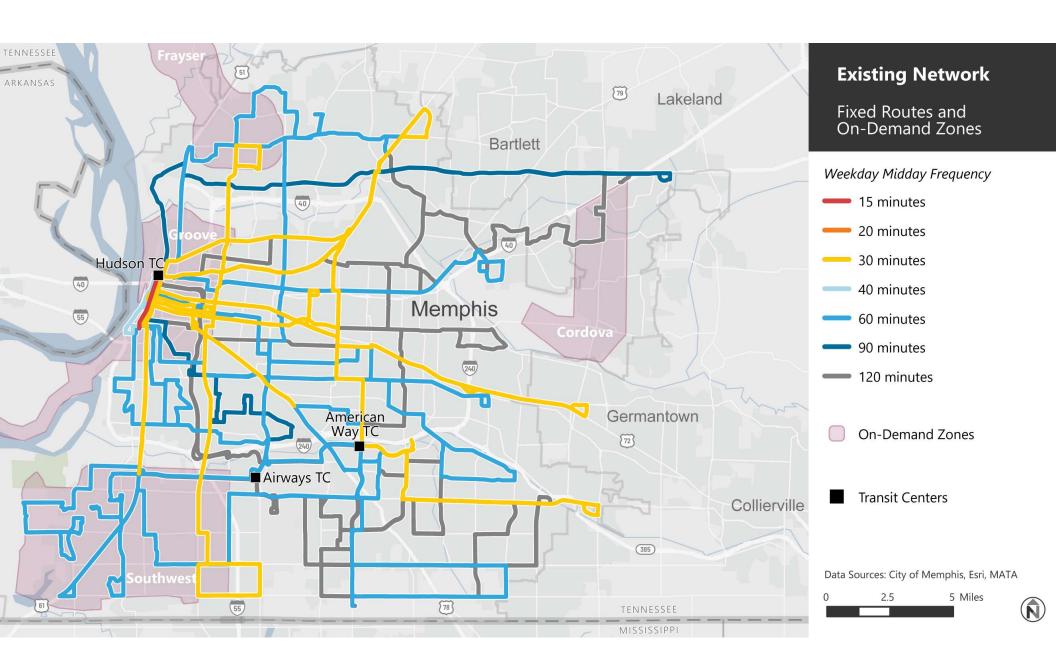
Phase 3: FY 30 – FY 32

Transit Vision Evaluation Criteria						
	Population					
Comment	Minority Population					
Connect	Low Income Population					
	Zero Car Population					
Opportunities	Jobs					
	Health Facilities					
Essentials	Higher Education					
	Grocery Stores					
6 () 122	Passengers per Revenue Hour					
Sustainability	Operating Cost per Passenger Trip					



End Result: Projected Revenues and Expenses





PHASING AND PROGRAMMING

Phase 1: FY 24 - FY 26

Fixed Route Network

- Route 1: Alignment change and weekday/weekend frequency improvements
- Route 32: Alignment change and weekday frequency improvements
- Route 36: alignment change and weekday/weekend frequency improvements
- Route 42: Alignment change and weekday/Saturday frequency improvements
- Route 50: alignment change and weekday/weekend frequency improvements
- Route 57: Weekday and Saturday frequency improvements

On-Demand Network

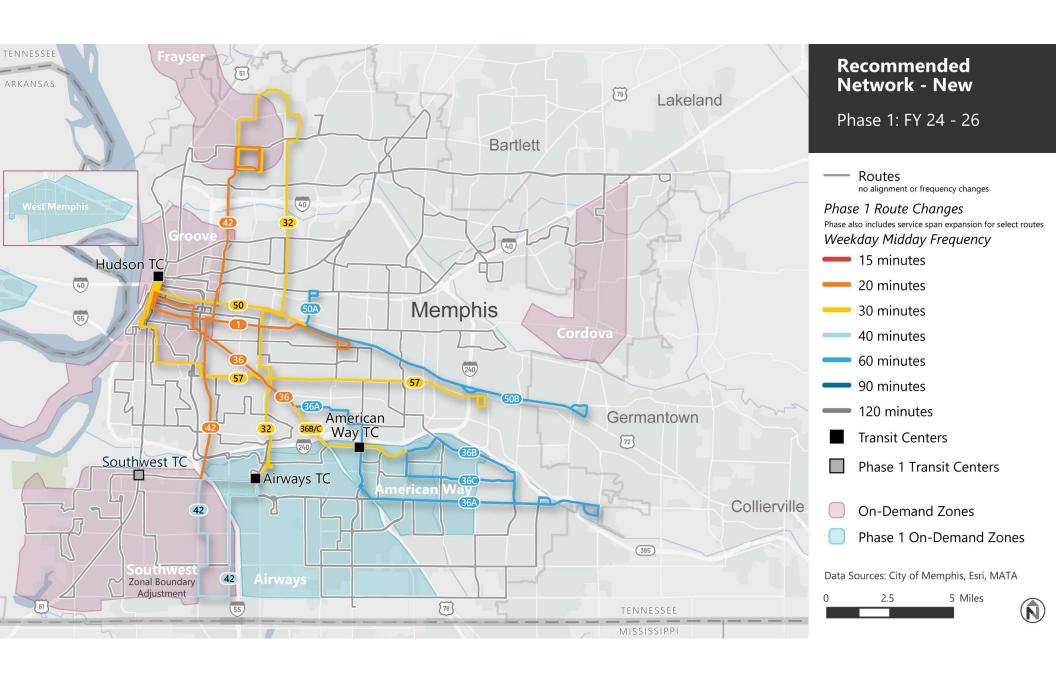
- Zonal Boundary Adjustments (Southwest)
- New Ready! Zones and Supporting Vehicles (Airways and American Way)
- New Ready! Zones and Supporting Vehicles (West Memphis) separate funding source

Other

New Transit Centers (Southwest and Airways)

Additional Funding by Year

FY 24 \$4.9 million FY 25 \$6.6 million FY 26 \$10.8 million Ph 1 \$22.3 million





Phase 2: FY 27 - FY 29

Bus Rapid Transit

Route 1: Upgrade to Innovation Corridor BRT

Fixed Route Network

- Route 11: Weekday and Saturday frequency improvement
- Route 30: Alignment adjustments, weekday and weekend frequency improvement
- Route 52: Saturday frequency improvement
- Route 53: Weekday and Sunday frequency improvement

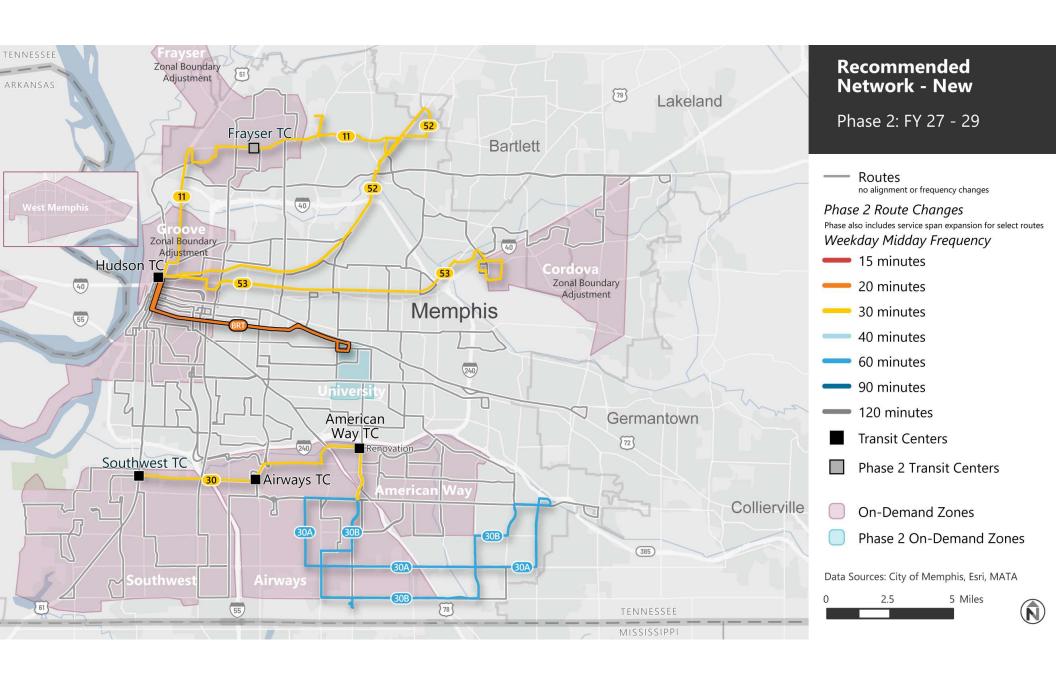
On-Demand Network

- Zonal Boundary Expansion (Cordova, Frayser, and Groove)
- New Ready! Zones and Supporting Vehicles (University of Memphis)

Other

- Transit Center Reconstruction (American Way)
- New Transit Center (Frayser)

FY 27 \$13.5 million FY 28 \$16.0 million FY 29 \$21.9 million Ph 2 \$51.4 million





Phase 3: FY 30 - FY 32

Fixed Route Network

- Route 4: Weekday and weekend frequency improvement
- Route 12: Saturday frequency improvement
- Route 19: Weekday and Saturday frequency improvement
- Route 34: Weekday and Saturday frequency improvement
- Route 37: Weekday and Saturday frequency improvement
- Route 40: Weekday and weekend frequency improvement

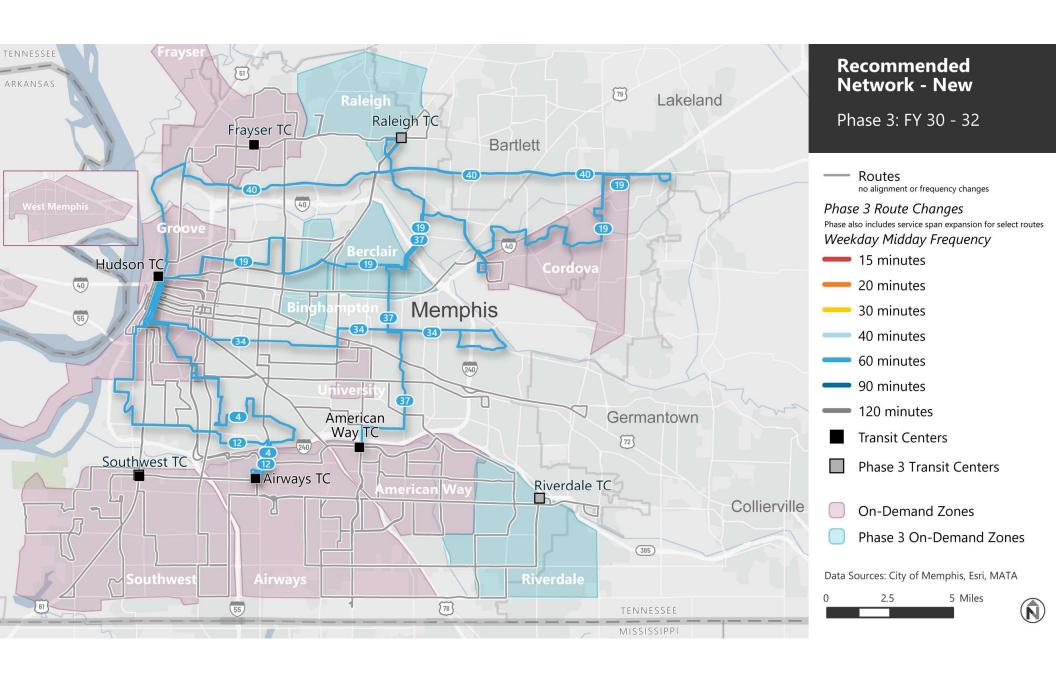
On-Demand Network

New Ready! Zones and Supporting Vehicles (Berclair, Binghampton, Raleigh, and Riverdale)

Other

New Transit Centers (Raleigh and Riverdale)

FY 30 \$30.1 million FY 31 \$31.5 million FY 32 \$32.9 million Ph 3 \$94.5 million





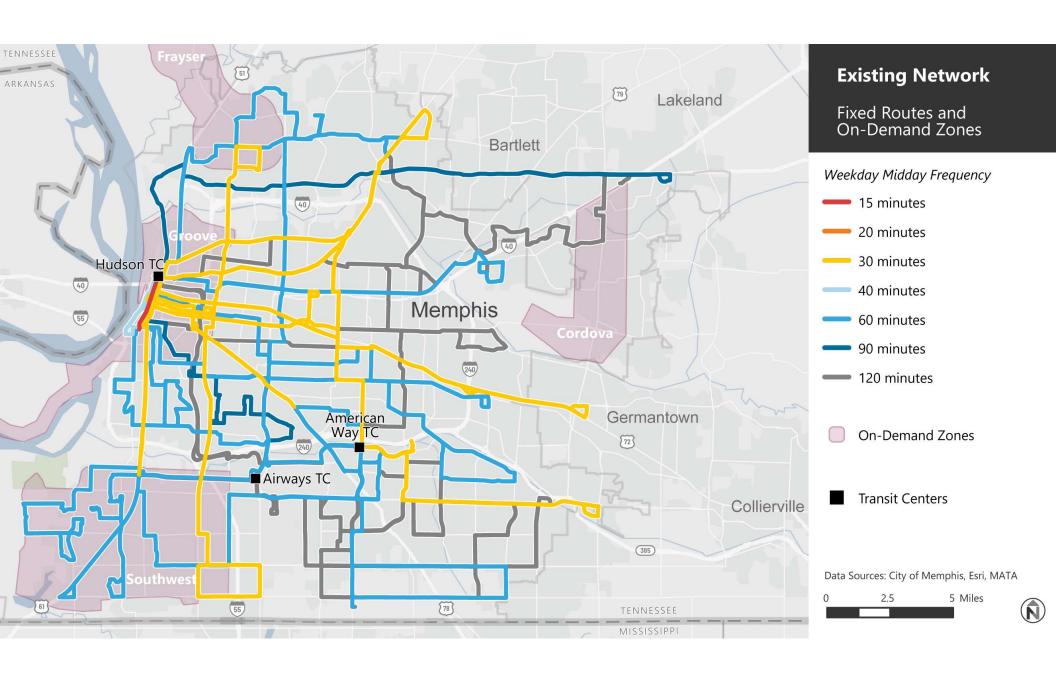
Putting it All Together: Benefits to Riders

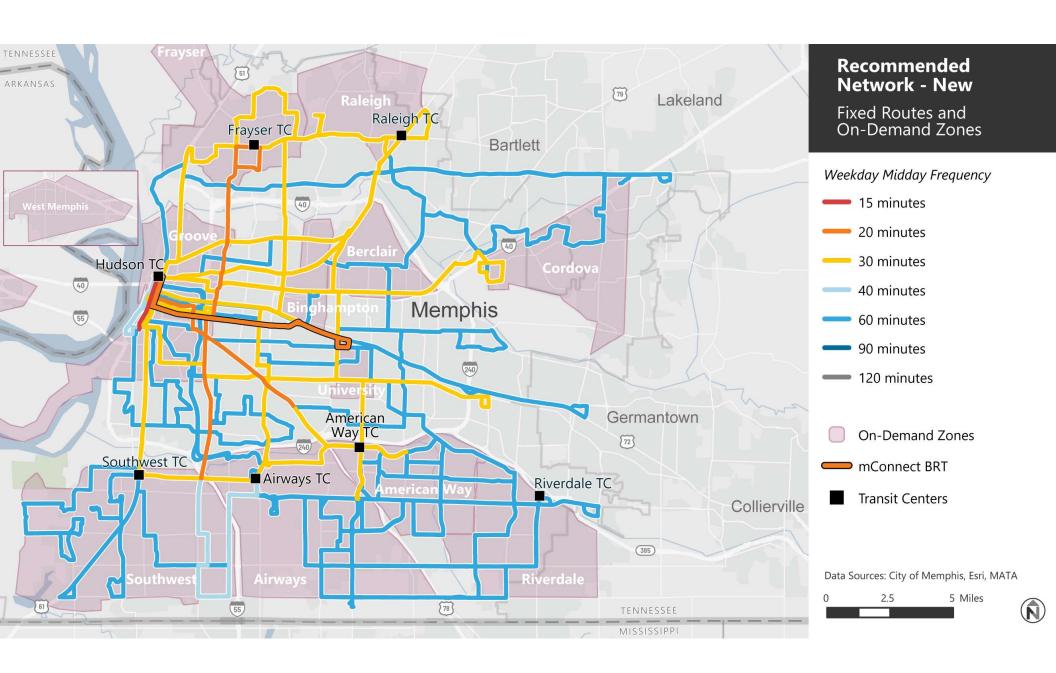
- Expanded Access to Opportunities
- New Transit Centers
- Expanded Service Coverage
 - Harder to serve areas covered by new Ready! zones
 - New coverage (particularly south of I-240)
- Frequency Improvements
 - No more 120-minute service
 - More 20-minute and 30-minute service
- Improved and More Consistent Spans of Service
 - Weekday minimum span: 6 am 7 pm
 - Weekend minimum span: 7 am 7 pm

Existing and Proposed Fixed Route Service Frequencies

	Service Frequencies							
	Weekday	Pk. Freq.	Weekday	Mid. Freq.	Saturda	ay Freq.	Sunda	y Freq.
Route	Existing	Planned	Existing	Planned	Existing	Planned	Existing	Planned
1	30	20	30	20	60	30	60	30
2	30	30	30	30	30	30	60	60
4	90	60	90	60	90	60	90	60
7	60	60	60	60	60	60	60	60
8	30	30	30	30	30	30	30	30
11	60	30	60	30	60	30	60	60
12	60	60	60	60	120	60		
13	60	60	60	60	60	60	60	60
16	120	60	120	60	120	60	120	60
19	120	60	120	60	120	60		
28	120	60	120	60	120	60	120	60
30	60	30	60	30	60	30	60	30
32	60	30	60	30	60	60	60	60
34	120	60	120	60	120	60		
36	20	20	30	20	30	30	30	30
37	120	60	120	60	120	60		
39	30	30	30	30	30	30	30	30
40	90	60	90	60	90	60	90	60
42	30	20	30	20	60	30	60	60
50	30	20	30	20	60	30	60	30
52	30	30	30	30	60	30	60	60
53	60	30	60	30	60	60	120	60
57	60	30	60	30	60	30	60	60
69	60	60	60	60	60	60		



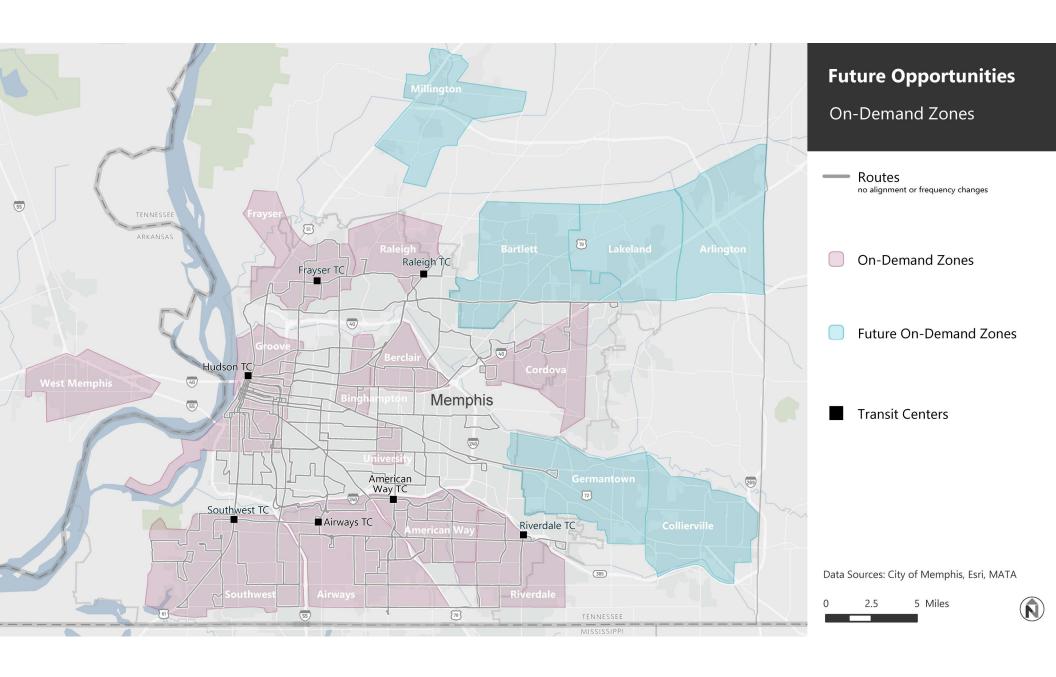






Plan Engagement and Adoption

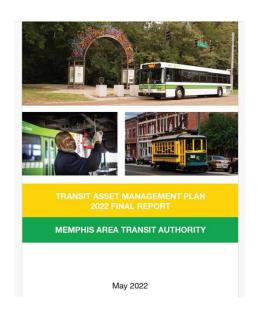
- Outreach Activities
 - In-Person Events
 - Virtual Engagement
- Plan Update & Adoption by MATA Board?

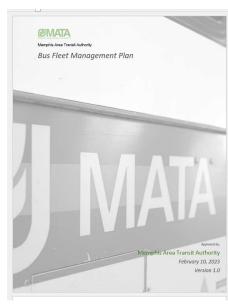


Plans and Planning Activities

- Bus Fleet Management Plan
- Transit Asset Management Plan (Required by FTA, updated every 4 years)
- Zero Emissions Fleet Transition Plan
- Memphis Area Climate Action Plan







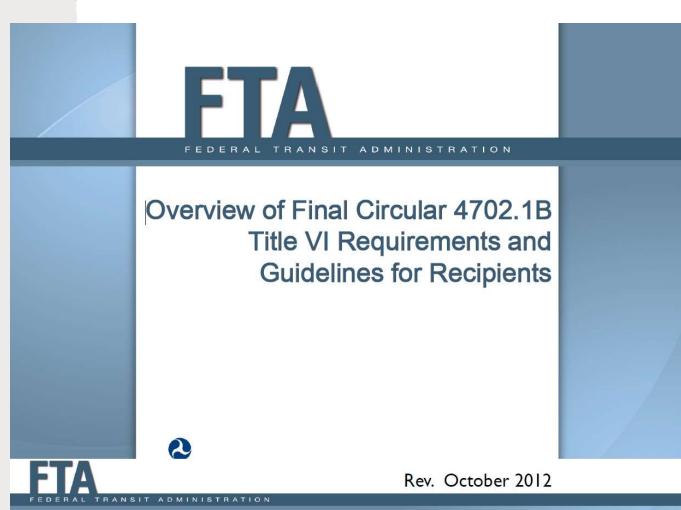




Title VI Program Overview

- FTA Requirements
- Adopted Policies
- Title VI Program Updates
- Service Change Equity Analysis







Submitting Title VI Program

- All recipients must submit Title VI Program every three years (TEAM)
- Title VI Program must be approved by grantee's Board of Directors or appropriate governing entity (including sub-recipients) and submit documentation of such action
- Title VI Programs will be due 60 days prior to expiration dates





Requirements for Fixed Route Transit Providers

Requirement	Fixed Route Transit Providers that do not meet the threshold	Transit Providers with 50 or more fixed route vehicles in peak service, located in large UZA
Set system-wide standards and policies	Required	Required
Collect and report data	Not required	 Required: Demographic and service profile maps and charts Survey data regarding customer demographic and travel patterns
Evaluate service and fare equity changes	Not required	Required
Monitor transit service	Not required	Required



TRANSIT ADMINISTRATIO



34

Effective Practices to Fulfill the Service Standard Requirement

- Vehicle load for each mode
- Vehicle headway for each mode
- On-time performance for each mode
- Service availability for each mode



FEDERAL TRANSIT ADMINISTRATIO

38

Effective Practices to Fulfill the Service Policy Requirement

 Distribution of transit amenities for each mode

Vehicle assignment for each mode





3

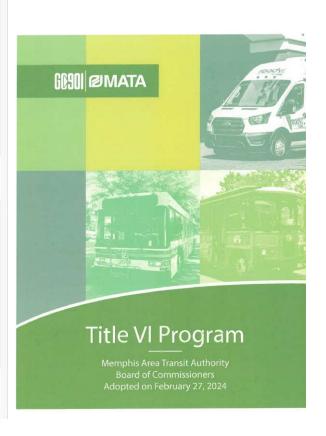
MATA Board Adopted Title VI Policies

- Title VI Major Service Change Policy (Adopted 2013)
- Title VI Minor Service Change Policy (Adopted 2019)
- Title VI Disparate Impact Policy (Adopted 2013)
- Title VI Disproportionate Burden Policy (Adopted 2013)
- Public Participation Program (Adopted 2024)



Title VI Program Update (Adopted 2024, update required every 3 years)

Service Equity Analysis (Service Changes)





MATA Board of Commissioners

FROM: Bacarra S. Mauldin, Interim Chief Executive Officer

DATE: June 26, 2024

RE: Title VI Service Equity Analysis for:

Proposed August 2024 Routes and Service Changes

As required by Federal Transit Administration (FTA) Circular 4702.18, MATA staff has conducted a Title VI Service Equity Analysis for the proposed August 2002 route and service changes to determine the impact of the proposed service changes on minority and low-income populations. FTA requires recipients such as MATA to evaluate significant system-wide service changes and proposed improvements at the planning and programming stages to determine whether those changes have a discriminatory impact.

MATA's Board of Commissioners adopted a new Major Service Change Policy, Disparate Impact Policy, and Low-Income Burden Policy on March 25, 2013. The proposed route modifications and service changes proposed for the August 2024 route and service change do not exceed the criteria set forth in the adopted Major Service Change Policy and are covered by MATA's adopted Minor Service Change Policy. Although not required by the Minor Service change Policy, the following Service Equity Analysis has been conducted to assess potential adverse impacts to populations protected by the provisions of Title VI.

Definitions

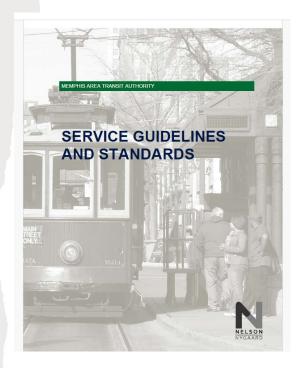
Minority: The FTA defines a minority person as one who self-identifies as American Indian/Alaska Native, Asian, Black or African American, Hispanic or Latino, and/or Native Hawaiian/Pacific Islander. The minority percentage for the MATA service area is 72.0% as illustrated in Table 1: Service Area Population Data for Proposed Changes.

Low Income: The FTA defines a low-income individual as one whose household income is at or below the poverty guidelines set by the Department of Health and Human Services (DHHS). DHHS poverty thresholds are based on household size and income and are nearly identical to the guidelines used to define poverty in the 2015-19 U.S. American Community Survey (ACS), which form the basis of this review. The low-income percentage for this analysis is listed in Table 1: Service Area Population Data for Proposed Changes.



Board Adopted Service Standards & Guidelines

- Service Standards (Adopted 2014)
- Bus Stop Design & Accessibility
 Guidelines (Adopted 2017)







Service Guidelines & Standards

- Minimum Span of Service
- Minimum Service Frequency
- Passenger Load (crowding)
- On-time Performance
- Productivity (passengers per hour)
- New Service Standards Needed



Short Range Transit Plan Service Guidelines and Standards

Figure 4-1 Minimum Span of Service

				Ехф	ress			
	Key Corridor Routes	Emerging Key Corridor Routes	r Mainline AM PM Feeder			Flex Routes	Shuttle Services	
Weekdays	3							
Begin	5:00 am	6:00 am	6:00 am	6:00 am	3:30 pm	6:00 am	8:00 am	5:00 am
End	11:00 am	10:00 pm	7:00 pm	8:30 am	5:30 pm	6:00 pm	4:00 pm	11:00 pm
Saturdays								
Begin	5:00 am	6:00 am	-	12	220	-	8:00 am	5:00 am
End	10:00 pm	8:00 pm	-	-	-	-	4:00 pm	10:00 pm
Sundays								
Begin	6:00 am	7:00 am	-				8:00 am	6:00 am
End	6:00 pm	6:00 pm	-	-	-	-	4:00 pm	6:00 pm

Notes: The beginning span of service refers to the departure of the first inbound trip, and the ending span of service refers to the departure of the last peak disection trip. "Sedeption to the trip along not produce the service refers to the departure of the last peak disection trip."

MINIMUM SERVICE FREQUENCIES

The minimum service frequency guidelines define the minimum service frequencies at which each type of service should operate. Based on demand, many services could operate more frequently, and in these cases, the service frequencies would be based on indership and loading levels (as described in the next section). Minimum service frequency guidelines are shown in Figure 4-2.

Figure 4-2 Minimum Service Frequency (Minutes)

	Key Corridor	Emerging Key Corridor	Mainline Routes	Express	Feeder	Shuttle
Weekdays			NAME OF TAXABLE PARTY.			
Early Morning	30	60	60	-	-	30
AM Peak**	20	30	60	3 Trips	60	30
Midday (Base)	45	60	60		60	30
PM Peak**	20	30	60	3 Trips	60	30
Evening/Night	60	60				30
Saturdays						
All Day	30	.60	60	-	-	30
Sundays						
All Day	45	60	60	-	-	30

Nelson/Nygaard Consulting Associates • Kimley-Horn Associates • Trust Marketing | 4-2



Short Range Transit Plan Service Guidelines and Standards

Figure 5-1 Minimum Productivity Levels (Passengers per Revenue Vehicle Hour)

	Key Corridor	Emerging Key Corridor	Mainline	Express	Feeder	Flex	Shuttle
Weekdays							
Early Morning	10	10	8	_	21	21	6
Late Night	10	10	8	-	-	-1	6
All Day	30	20	15	10	6	5	15
Saturdays			:	1			
Early Morning	6	6	-	-	- 1	-1	6
Late Night	6	6	-			- 51	6
All Day	20	15	-	-	- 0	5	10
Sundays							
Early Morning	6	6	-	-	- 21	-	6
Late Night	6	6	=	(4)			6
All Day	20	15	-	100		5	8

Note: "Early morning" and "Late Night" refers to service before and after the minimum span of service. All day refers to the complete span of service, including early morning and late night service. "—"indicates that the standard does not apply. Most extraint gMATA routes currently meet the all day standard.



Draft MATA Service Standards

In support of the Transit Vision Plan for 2022-2040 December 2, 2020

Principles Governing these Standards	
MATA Network Design Principles	
Consistent route spacing	
Directness	
Simplicity	
Consistent frequencies	
Pulsing	
Service Area	
Summary of the Service Categories	1 -
Rapid and Frequent	
Basic	
Coverage (fixed route or demand response)	
Paratransit	
Defining features	
Frequency	
Daily and Weekly Span	
Stop Spacing and Stop Placement Average Stop Spacing Minimum Stop Spacing, and the Value of Even Stop Spacing	
Service quality targets	
Travel Speed	
Reliability	
On-Time Departures Reliable Pulsed Connections	
Stop Amenities	
Passenger Load (crowding)	
Vehicle Assignment_	
Outputs	



Board Adopted Standards & Ridership Analysis (Weekday)



Route	Route Name	Weekday Revenue Hours	Weekday Daily Boardings	Passengers Per Revenue Hour
100	MAIN STREET TROLLEY	56.67	1,103	19.46
11	FRAYSER	26.40	437	16.56
57	PARK	31.13	504	16.18
50	POPLAR	68.63	1,056	15.38
52	JACKSON	43.45	601	13,83
102	MADISON AVENUE TROLLEYBUS	9.20	126	13.74
53	SUMMER	24.00	296	12.33
12	MALLORY	21.93	236	10.74
1	UNION	36.50	387	10.61
39	SOUTHTHIRD	48.50	475	9.80
4	WALKER	24.27	237	9.78
36	LAMAR	112.00	1,040	9.29
8	CHELSEA&HIGHLAND	63.22	540	8,54
32	HOLLYWOOD&HAWKINSMILL	47.18	401	8.49
42	CROSSTOWN	104.75	864	8.25
19	VOLLINTINE	33.37	251	7.53
16	SOUTHEASTCIRCULATOR	10.73	77	7.18
7	SHELBY&HOLMES	17.17	120	6.98
28	AIRPORT	11.32	73	6.47
2	MADISON	49.27	282	5.72
34	CENTRAL&WALNUTGROVE	12.02	51	4.28
37	PERKINS	11.03	47	4.27
40	STAGE&LAUDERDALE	48.93	196	4.01
101	RIVERFRONT TROLLEYBUS	6.80	26	3.83
69	WINCHESTER	40.30	136	3.38
30	BROOKS	59.87	161	2.68
	Total All Routes	1,018.64	9,723	9.54

The Board Adopted Minimum Productivity Levels (Passengers per Revenue Vehicle Hour):

Key Corridor Routes30Emerging Key Corridor Routes20Mainline Routes15Early Morning & Late Night6

Board Adopted Standards & Ridership Analysis (Saturday)



Route	Route Name	Saturday Revenue Hours	Saturday Daily Boardings	Passengers Per Revenue Hour
100	MAIN STREET TROLLEY	52.67	1,347	25.58
52	JACKSON	17.12	372	21.70
50	POPLAR	26.00	453	17.44
1	UNION	10.95	150	13.70
57	PARK	20.20	262	12.98
42	CROSSTOWN	36.40	428	11.76
11	FRAYSER	19.07	222	11.64
12	MALLORY	7.83	78	9.90
53	SUMMER	14.40	133	9.21
102	MADISON AVENUE TROLLEYBUS	7.82	60	7.67
36	LAMAR	61.33	468	7.64
8	CHELSEA&HIGHLAND	44.00	324	7.36
39	SOUTHTHIRD	39.15	286	7.30
4	WALKER	15.60	108	6.94
32	HOLLYWOOD&HAWKINSMILL	32.28	164	5.09
19	VOLLINTINE	26.80	123	4.57
16	SOUTHEASTCIRCULATOR	9.20	33	3.59
37	PERKINS	7.63	27	3.51
2	MADISON	35.10	117	3.32
28	AIRPORT	8.08	26	3.20
7	SHELBY&HOLMES	10.80	33	3.01
34	CENTRAL&WALNUTGROVE	8.58	25	2.93
30	BROOKS	34.42	81	2.34
40	STAGE&LAUDERDALE	43.23	99	2.28
69	WINCHESTER	27.90	57	2.03
101	RIVERFRONT TROLLEYBUS	6.80	2	0.00
	Total All Routes	623.36	5,474	8.78

The Board Adopted Minimum Productivity Levels (Passengers per Revenue Vehicle Hour):

Key Corridor Routes30Emerging Key Corridor Routes20Mainline Routes15Early Morning & Late Night6

Board Adopted Standards & Ridership Analysis (Sunday)



Route	Route Name	Sunday Revenue Hours	Sunday Daily Boardings	Passengers Per Revenue Hour
100	MAIN STREET TROLLEY	26.00	500	19.25
52	JACKSON	11.85	172	14.49
50	POPLAR	19.50	236	12.12
1	UNION	8.52	77	9.04
11	FRAYSER	13.20	112	8.48
57	PARK	13.47	111	8.21
42	CROSSTOWN	24.27	199	8.20
53	SUMMER	8.00	64	8.02
36	LAMAR	42.67	262	6.15
4	WALKER	1 5.60	93	5.96
8	CHELSEA&HIGHLAND	31.17	174	5.58
39	SOUTHTHIRD	26.68	148	5.53
2	MADISON	12.90	63	4.90
28	AIRPORT	6.20	24	3.90
32	HOLLYWOOD&HAWKINSMILL	22.33	85	3.80
40	STAGE&LAUDERDALE	29.67	95	3.22
16	SOUTHEASTCIRCULATOR	7.67	20	2.59
7	SHELBY&HOLMES	10.80	26	2.36
30	BROOKS	27.53	57	2.06
101	RIVERFRONT TROLLEYBUS	6.80	1	0.17
	Total All Routes	364.83	2,519	6.90

The Board Adopted Minimum Productivity Levels (Passengers per Revenue Vehicle Hour):

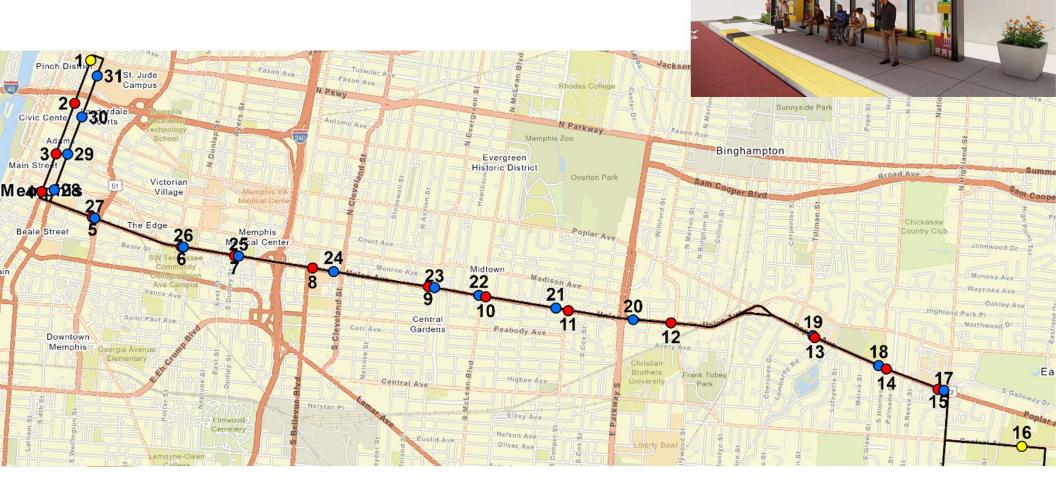
Key Corridor Routes	30
Emerging Key Corridor Routes	20
Mainline Routes	15
Early Morning & Late Night	6

Overview of Capital Projects

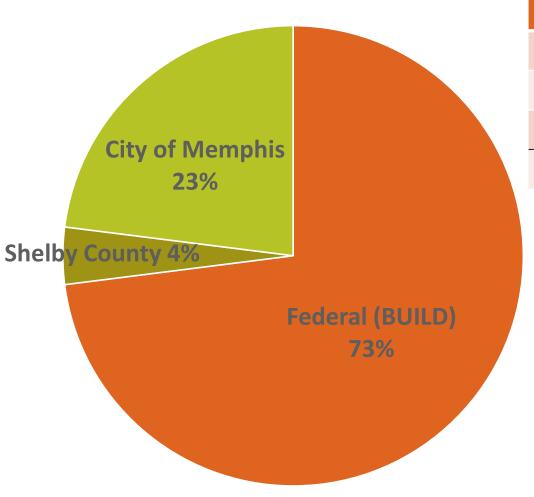
- Memphis Innovation Corridor (BRT)
- Battery Electric Bus Program
- New Operations & Maintenance Facility
- Crosstown Connector (BRT)



Memphis Innovation Corridor – Bus Rapid Transit (BRT)



Project Funding – BUILD Grant

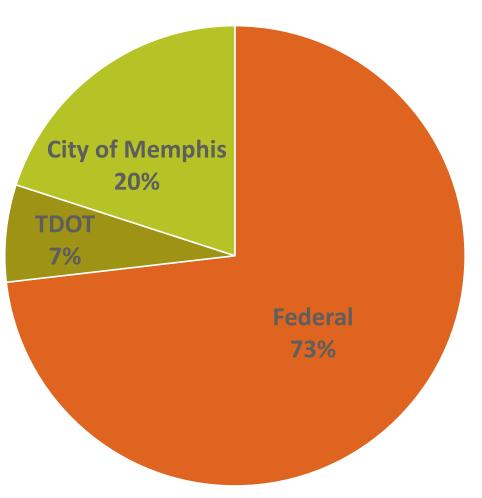


Source	Cost	Percent
Federal (BUILD)	\$17,800,000	73%
Shelby County	\$1,000,000	4%
City of Memphis	\$5,755,000	23%
Total	\$24,555,000	100%

BUILD Grant - Scope

- Battery Electric Buses and Charging Equipment (14 Buses)
 - Contract awarded to Gillig, December 2023
 - Notice to Proceed, March 2024
 - Pre-Production Meeting November 2024
- Advance Traffic Management System (ATMS)
 - Contract awarded to Kimley-Horn, August 2024
 - Notice to Proceed and project kick-off, October 2024
- Off Board Fare Collection Ticket Vending Machines (41)
 - MATA Board rescinded Flowbird award, May 2024
 - Re-evaluation pending

Project Funding – Small Starts Grant



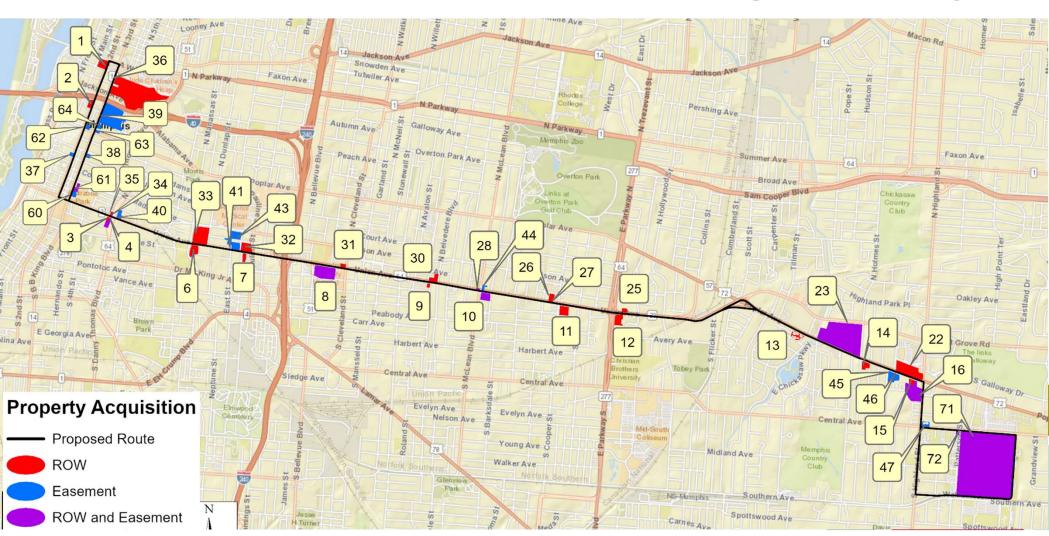
Source	Cost	Percent
Federal	\$83,425,452	73%
State (IMPROVE Act)	\$7,775,000	7%
City of Memphis		
GO Bonds	\$18,317,227	
Stormwater	\$2,075,000	
General Fund	\$2,425,718	
Total City of Memphis	\$22,817,945	20%
Total	\$114,018,185	100%

Small Starts Grant

- Scope
 - Traffic Signal Improvements / Reconstruction
 - Install Fiber Optic Communications
 - Traffic Safety Improvements (Union Avenue)
 - Pedestrian Improvements
 - Drainage Improvements / Bioswales
 - Construct Bus Rapid Transit (BRT) Stations
 - Bus Only Lanes
- Status
 - FTA Small Starts Capital Improvement (CIG) Grant Approval Process
 - Right of Way Acquisition

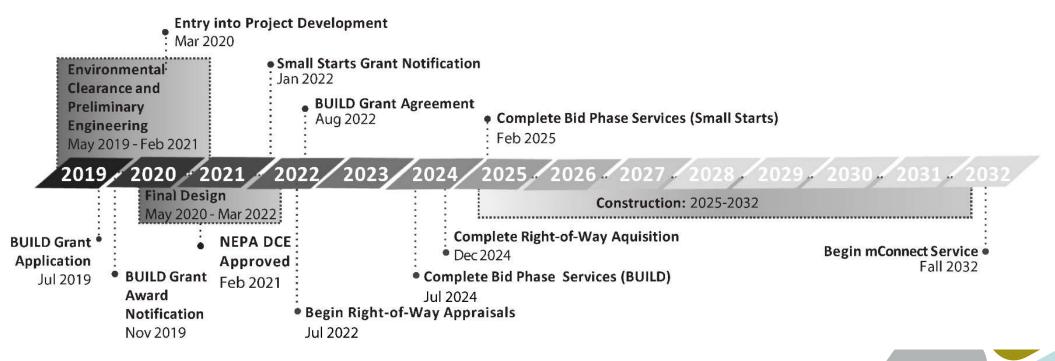


Memphis Innovation Corridor – Right of Way



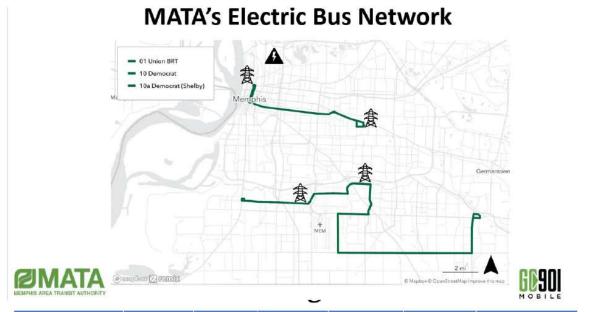
Memphis Innovation Corridor – BRT Project

Project Schedule, Status, and Completion Forecast



Battery Electric Bus Program

- Project Cost = \$ 68,968,031
- Total Battery Electric Buses = 43
- Phase 1 Chargers = 4/19/2023
- TDEC Grant = 6/23/2023
- Low/No Grant = 8/23/2023
- CMAQ Grant = 12/31/2025
- BUILD Grant = 12/31/2026
- Complete BEB Program = 3/30/2029



Funding Source	Quantity of Buses	Federal Funding	State Funding	Other Funding (TDEC)	Local Funding	Total Funding
VW Settlement	3	\$ 0	\$ 0	\$ 2,112,750	\$ 989,250	\$ 3,10 2, 000
CMAQ	10	\$ 11,120,000	\$ 0	\$ 0	\$ 2,780,000	\$ 13,900,000
BUILD Grant	14	\$ 17,800,000	\$ 0	\$ 0	\$ 6,755,000	\$ 24,555,000
Low/No-Emission	16	\$22,378,905	\$ 0	\$ 0	\$ 5,032,126	\$ 27,411,031
Total	43	\$ 28,920,000	\$ 0	\$ 2,112,750	\$ 10,524,250	\$ 68,968,031.00

Source: MATA (Updated as of October 2022)

Passed 12/19/2023

MATA Board of Commissioner's Approval for Purchase of 40 Battery Electric Buses

SOURCE STATE OF THE STATE OF TH

MEMPHIS AREA TRANSIT AUTHORITY BOARD OF COMMISSIONERS

RESOLUTION NO. 23-55

RESOLUTION TO AWARD A CONTRACT TO GILLIG LLC. FOR THE PURCHASE OF FORTY (40) NEW ELECTRIC BUSES

WHEREAS, The Memphis Area Transit Authority (MATA) is a public agency responsible for providing public transportation services within the City of Memphis and surrounding communities; and

WHEREAS, MATA needs to purchase up to forty (40) new forty-foot electric buses for projects such as the Memphis Innovation Corridor BRT Line and Crosstown Connector BRT Line; and

WHEREAS, the proposal includes an option to additionally add up to ten (10) new electric buses in accordance with the terms and conditions set forth in RFP 23-13; and

WHEREAS, MATA solicited for this project and received demonstrations from two companies; and

WHEREAS, MATA determined one of the two companies was deemed non-responsive; and

WHEREAS, MATA has grant funds available for this procurement; and

WHEREAS, MATA Evaluation Committee recommends the purchase of up to forty (40) new forty-foot electric buses at a unit price of \$1,139,995.00 each for a total not to exceed the amount of \$45,599,800.00.

NOW, THEREFORE, BE IT RESOLVED BY THE MEMPHIS AREA TRANSIT AUTHORITY BOARD OF COMMISSIONERS that MATA purchase up to forty (40) new forty-foot electric buses from Gillig LLC at a total cost not to exceed \$45,599,800.00 based upon the unit prices stated above.

BE IT FURTHER RESOLVED that the Chief Executive Officer, Chief Administrative Officer, Chairman or Vice-Chairman be authorized to execute the necessary contract documents.

City of Memphis FY 2025-2029 Capital Improvement Program (CIP)

Total	FY2029	FY2028	FY2027	FY2026	FY2025	Project No. / Category
00.00000000000000000000000000000000000						
\$7,041,500	\$0	\$0	\$0	\$0	\$7,041,500	GA03028 Innovation Corridor BRT
\$2,100,000	\$100,000	\$1,000,000	\$1,000,000	\$0	\$0	GA03029
						Transit Amenities
\$16,815,000	\$2,175,000	\$3,030,000	\$3,885,000	\$3,285,000	\$4,440,000	GA-TBD
						Fixed Route Buses
\$13,500,000	\$2,300,000	\$5,000,000	\$5,000,000	\$1,200,000	\$0	GA-TBD
						New
						Operations/Maintenanc
						e Facility
\$1,437,500	\$287,500	\$287,500	\$287,500	\$287,500	\$287,500	GA-TBD
						Paratransit Vehicles
\$1,616,155	\$273,231	\$273,231	\$273,231	\$273,231	\$523,231	GA-TBD
	**					Bus Facility
						Improvements
\$3,200,000	\$1,200,000	\$2,000,000	\$0	\$0	\$0	GA-TBD
	NA WASSAMATSA					Rail Vehicles
\$7,049,200	\$312,300	\$3,012,300	\$3,012,300	\$712,300	\$0	GA-TBD
						Rail Facility
						Improvements
\$59,814,355	\$10,668,031	\$16,628,031	\$13,943,031	\$6,283,031	\$12,292,231	Total Summary of

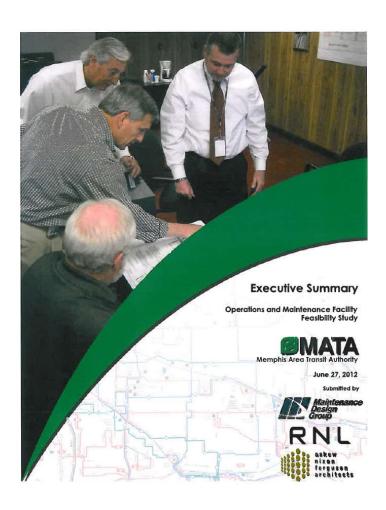


City of Memphis Proposed Budget CIP FY25-29

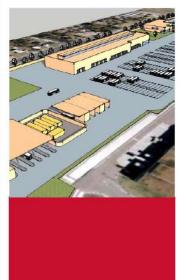
Page 17



New O&M Facility Studies



SSR / HOR



MATA O&M Facilities Study Technical Memorandum

DRAFT

Memphis, TN August 30, 2019

Existing 1370 Levee Road Facility Condition (2012 Feasibility Study)



Operations and Maintenance Facility Feasibility Study Executive Summary

Exhibit 1.A Levee Road Facility Condition Summary Table

	Site Utilities & Grounds	Maint. Bldg	Ops. Bldg	Admin. Bldg	Serv. Bldg	
Site / Geotechnical	4	4	3	3	3	
Functional and Space Utilization	2	2	3	3	3	
Architectural	2	3	2	2	4	
Structural	n/a	2	1 4	1 4	4	
HVAC	n/a	4				
Plumbing	4	4	3	3	4	
Fire Protection	n/a	2	2	2	2	
Electrical and Lighting	3	4	4	4	4	

New Operations & Maintenance Facility (2010 Programming Report)

Exhibit 4.A Space Needs Program Summary

SUMMARY		Area (SF)		Area (SF)		Area (SF)
Building Areas						
Total MATA Transit Administration Areas		11,368		16,758		16,930
Total Fixed Route Bus Operations Area		5,700		13,504		15,861
Total MATAPlus Areas		1,287		6,223		6,734
Total MATA Bus Maintenance Office and Support		8,446		7,860		8,748
Total MATA Bus Maintenance Areas		93,130		112,552		155,458
Total MATA Service Areas		18,044 18,261			26	
Total All Building Areas		137,975		175,157		230,676
Exterior Parking Areas						
Total Exterior MATA Parking Areas		301,607		577,660		824,318
Total All Exterior Areas		301,607		577,660		824,318
Total All Areas	Ĩ	439,582		752,818		1,054,995
Site Circulation Factor (includes setbacks, landscaping, etc.) 71%	-	331,200	75%	564,613	75%	791,246
GRAND TOTAL		908,757.65		1,317,431		1,846,240
	ACRES	20.86	ACRES	30.24	ACRE	s 42.38

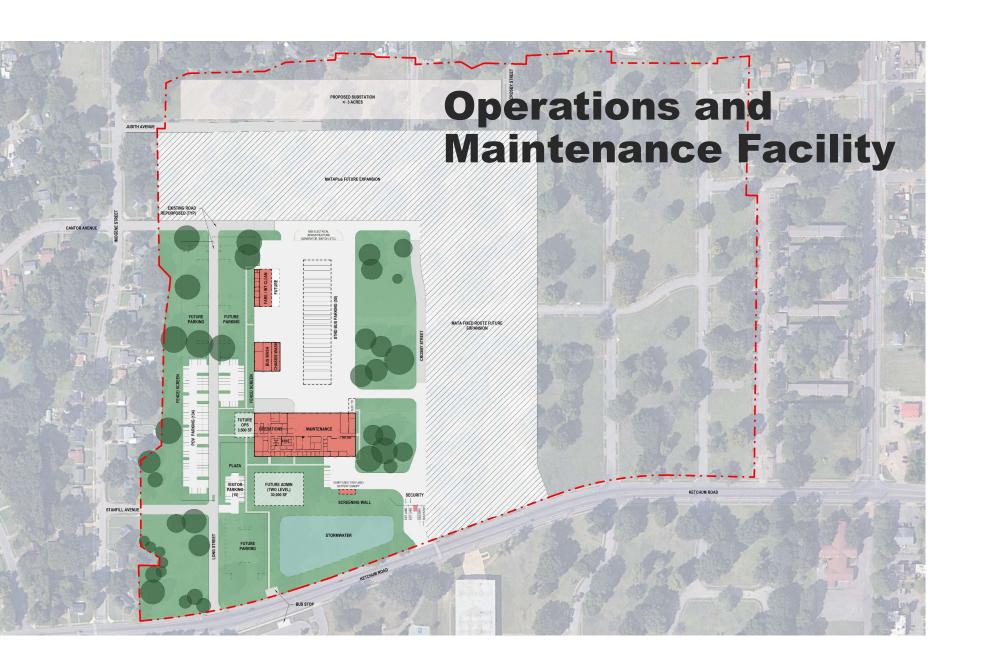
MATA New Operations and Maintenance Facility Project

- National Environmental Policy Act (NEPA)
 - SHPO Finding of No Adverse Impacts April 30, 2024
 - DCE approved May 21, 2024
- Site Selection and Real Estate Acquisition
 - FTA Appraisal Concurrence September 27, 2024
 - FTA Approval of Scope Change Request November 4, 2024
 - Purchase Sale Agreement Negotiations November 2024
 - MATA Board Approval December 2024
 - City of Memphis City Council Approval January 2024

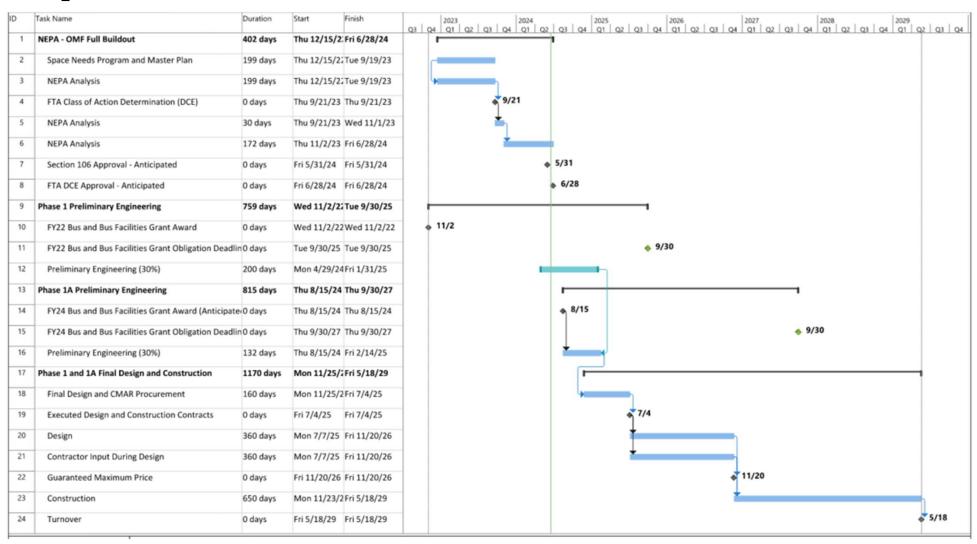
FY 2022 Bus and Bus Facilities Grant – Phase 1

- Zero Emissions Fixed route Facility
 - Serves a Fleet of 50 BEB
 - Property Acquisition
 - Dispatch
 - Repair Bays
 - Fare Recovery
 - Interior Cleaning and Bus Wash
 - Exterior Surface Parking
- Preliminary Engineering in Progress





Implementation Schedule – Phase 1



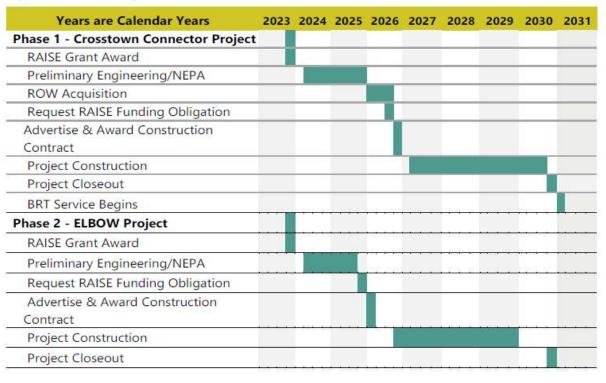
Memphis Crosstown Corridor Project

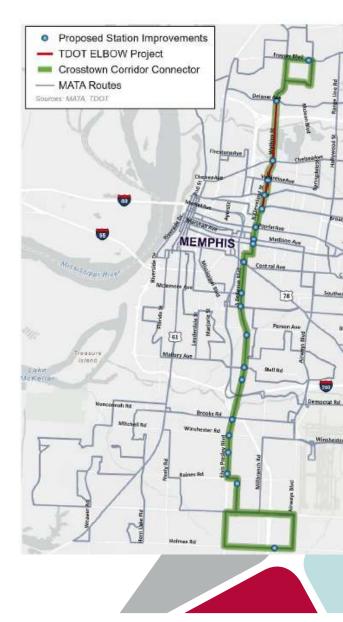
CROSSTOWN CORRIDOR CONNECTOR

"Connecting Memphis from Inside

Project Readiness

Figure 3: Detailed Program Schedule





Questions / Comments?





MEMPHIS AREA TRANSIT AUTHORITY

40 South Main Street, Memphis, TN 38103 Bacarra Mauldin, Interim CEO www.matatransit.com

Committee of the Whole

RESOLUTION NO. TMP-0267





OUR SERVICES

PUBLIC AFFAIRS



We help clients navigate complex political and regulatory environments through strategic advocacy and effective communication. Our team creates customized campaigns to influence policy and build essential relationships for impactful outcomes.

STAKEHOLDER ENGAGEMENT



We offer tailored stakeholder engagement services that connect leaders with key influencers and groups affecting your business. Our expertise enhances public engagement, advises executives, and improves employee relations, providing valuable solutions.

GOVERNMENT RELATIONS



We integrate government relations with business strategies to enhance connections with local and state governments, advocate for favorable policies, and prepare clients to effectively tackle challenges.

BUSINESS CONSULTANCY



Our advisory services help businesses overcome market challenges and achieve strategic objectives. We specialize in economic development, market research, and entry strategies, with a focus on market penetration and corporate social responsibility.

OUR TRACK RECORD











HOTELS















MATA + DA OVERVIEW







RFP for Legislative Advocacy released

MATA Board awards contract to Dean & Associates

2021

Multi year RFP issued for Legislative Advocacy

MATA Board awards contract to Dean & Associates

2022 -23

Expanded strategy to increase federal advocacy.

2024 - present

Renew support for local, state and federal initiatives that align with MATA's strategic objectives, aiming to strengthen its position in the midst of change and extreme uncertainty.





DA has successfully built direct relationships with the mayor's office and city council members to ensure that MATA's message is effectively conveyed. By addressing past negative perceptions, champions within the council have emerged, positively influencing funding and the agency's reputation. Since the city serves as MATA's funding body and chartering agency, strengthening this relationship has been vital for overall success with other levels of government.

STRATEGIC FOCUS

Empowering Local Leadership Through Education

Fostering Trust

Fiscal Sustainability

OUTCOMES



Increased local funding



Improved Relationships and MATA knowledge



Enhanced connections with city departments.





Shelby County Government, while not required, has become more involved in funding transit through increased advocacy and relationship efforts. The county mayor and some commission members support transit funding, though opinions on levels vary. An approved joint ordinance aims to add a seat to the board based on county funding that has yet to be determined.

STRATEGIC FOCUS

Regular and Continuous Engagement Focused on Securing Increased Funding

Empowering County Leadership Through Education

Fostering Trust

OUTCOMES



Maintaining MATA funding within the County's annual budget.



Improved Relationships and MATA knowledge



Maintain County
Engagement and Focus
on Transit Needs





Navigating changing legislation presents challenges.

MATA has strengthened its relationships with the

Tennessee Department of Transportation, the governor's

office, and the legislature through consistent

communication and timely reporting. This engagement

has evolved, focusing on bus and rail decisions, leading

to meaningful long-term state efforts despite the pace.

STRATEGIC FOCUS

Enhancing Trust: Reestablishing communication within the department with key officials at TDOT.

Continued grant funding

New funds for operations

STATE OF TENNESSEE

OUTCOMES



Strengthened relationships



Heightened levels of engagement



More engaged in evolving communications



FEDERAL AGENCIES



At the federal level, we have gained support from Congressional representatives and Senators who endorse MATA's primary priorities. Our advocacy focuses on long-term capital projects, such as expanding the bus fleet, electrification of vehicles and the development of Bus Rapid Transit (BRT) systems, which are crucial for MATA's growth and service enhancement. Moreover, our participation in federal regulatory and fiscal discussions positions MATA to take advantage of infrastructure funding opportunities at the national level.

STRATEGIC FOCUS

Responsiveness to grant funding opportunities

Improved relationships with DOT and FTA

Increase Opportunities for Connectivity

FEDERAL GOVERNMENT

OUTCOMES



Strengthened relationships



Heightened levels of engagement



Inclusion in national issues related to transit and mobility.



THE JOURNEY



- 1 Administration and City Council Annual Budget Commitments 2020-2024
- Created Successful Engagement Strategies that Increased Communications between MATA and the City Council, Mayor, County Mayor, and County Commision
- Increased Visibility at the Federal Level with Congressional Delegation from TN and AR as well as others on the Transportation and Infrastructure Committee
- Improved the Relationship between TDOT and MATA
- Commission Support of Capital Dollars in Annual CIP Budget to Support Transit FY 2020-2023
- Commission Support of Annual Operating Funds
 FY 2023-2025

- 7 Grant Award to Support Bus Rapid Transit
- 8 Supported Legislation to Create Joint Agreement of City and County to add Expiring PILOT Funds to Support Transit Vision
- 9 Garnered City Mayor and Council Support for Annual Discretionary Funding in Federal Budget
- Supported the Addition of a Transportation

 Committee of the City Council that Provided More

 Focus on Transit Needs
- 11 Grant Awards to Fund New Bus Maintenance Facility
- 12 Grant Awards to Fund Bus Electrification

THE PATH FORWARD



THANK YOU