Memphis MPO Transportation Improvement Program
Improving Project Delivery

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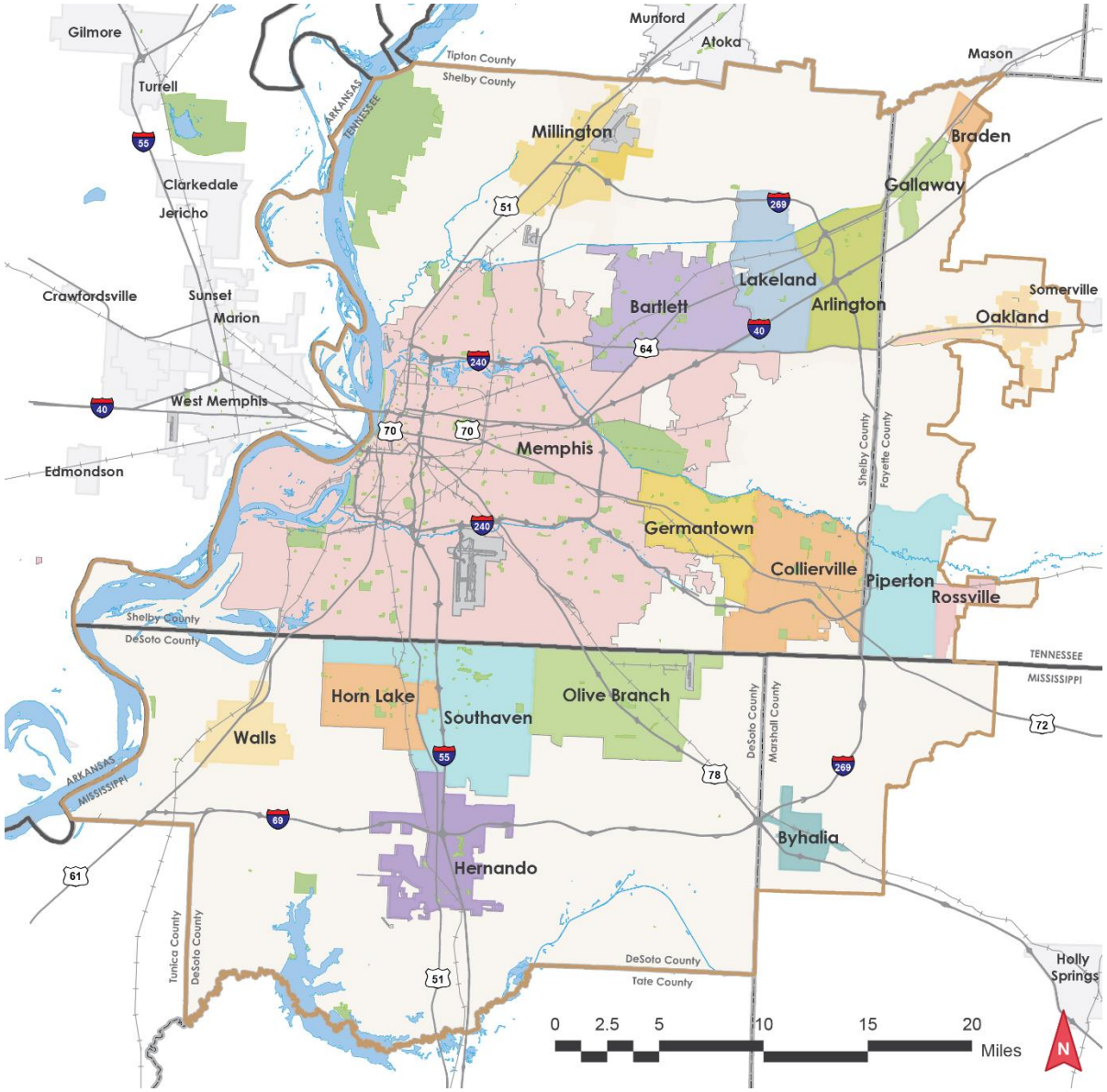
Memphis Urban Area MPO
Date: October 7, 2021

Improving Project Delivery in the TIP

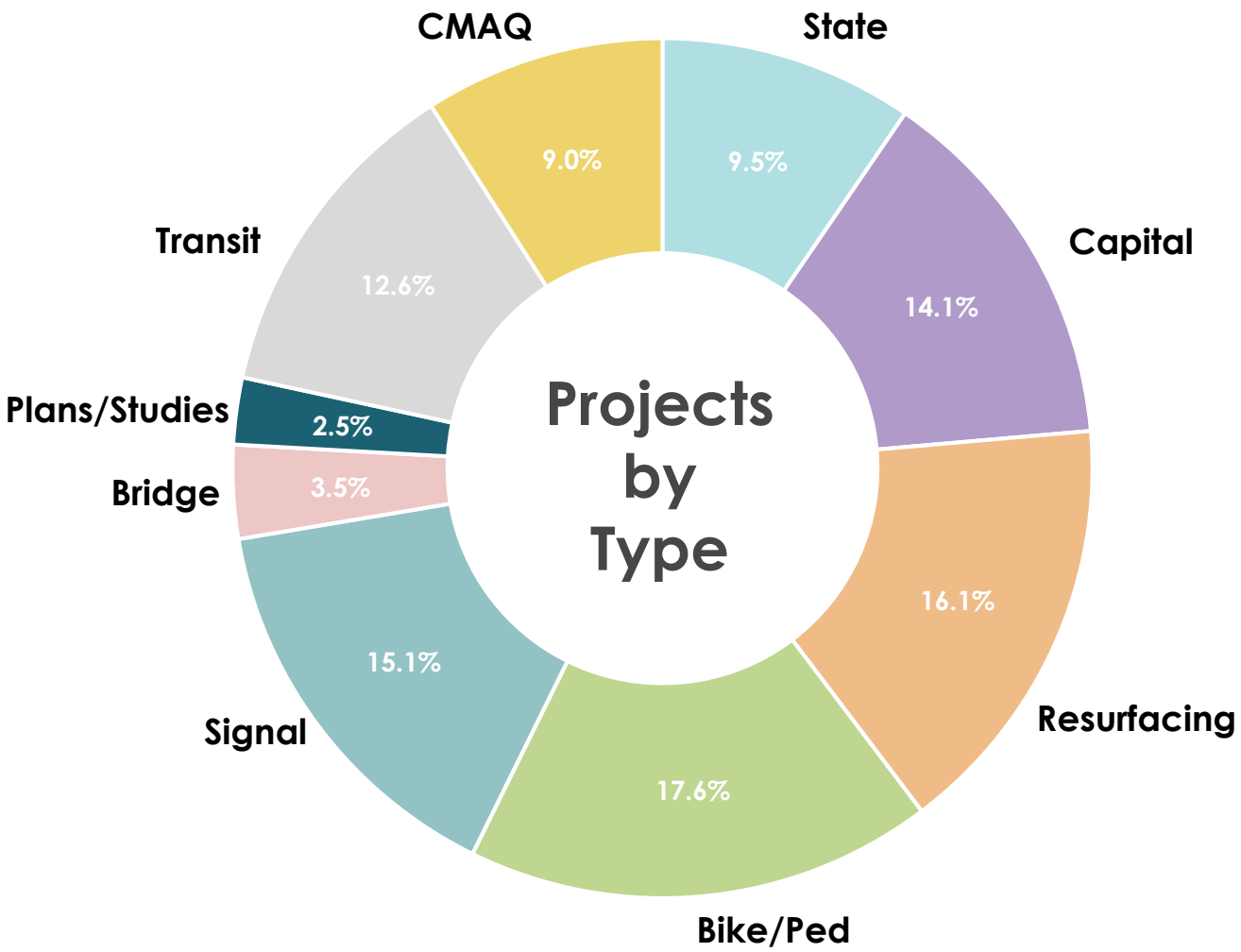
- **General Overview**
  - Memphis MPO
  - Current FY 2020-23 TIP
- **Development Process**
  - Public Involvement
  - Planning to Programming Link
  - Performance Based Planning & Programming
  - Development of FY 2023-26 TIP
- **Management & Maintenance**
  - Coordination
  - Project Tracking
  - Communication
  - Construction Set-Aside Implementation
  - Planning & Environmental Linkages
  - Flex Funding Process

General Overview



Who We Are

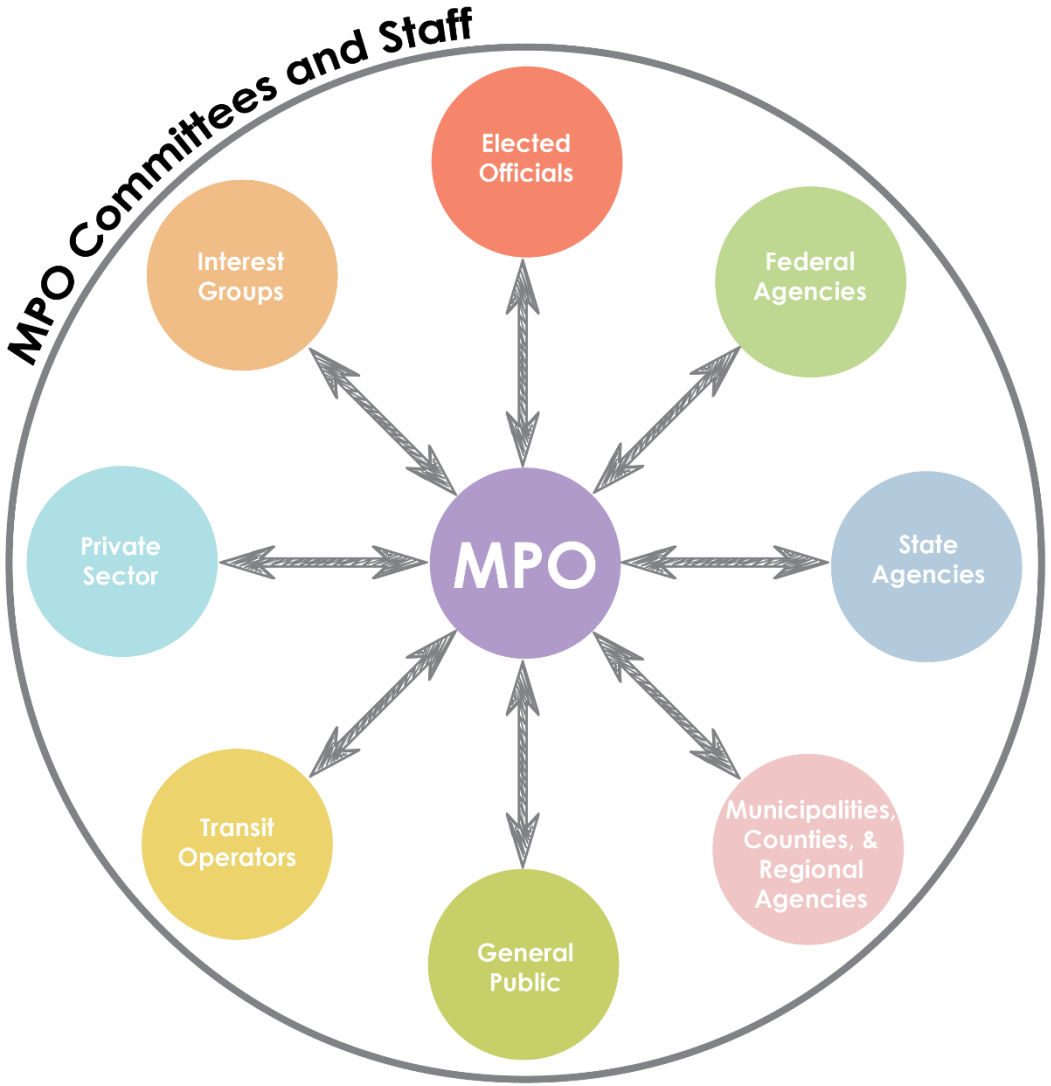
- 18 Municipalities
- 4 Counties
  - DeSoto
  - Fayette
  - Marshall
  - Shelby
- 2 States
  - Mississippi
  - Tennessee
- Tri-State Urbanized Area
- Population: 1.15 Million
- 1,513 sq. miles (land area)
- Over 2,400 lane miles
- 5 Class I railroads
- 9 public airports
- World's busiest cargo airport



FY 2020-23 TIP Background Information

- **MPO Manages STBG-M, HIP, & TA Funds**
- **Annual STBG-M Allocation**
  - **TN –** $18.5m
  - **MS** – $3.3m
- **Annual TA Allocation**
  - **TN –** $1.2m
  - **MS** – $200k
- **200 Projects:**
  - 19 State Projects
  - 123 Local TN Projects
  - 15 Local MS Projects
  - 25 Transit Projects
  - 18 CMAQ Projects

Part I: Development Process

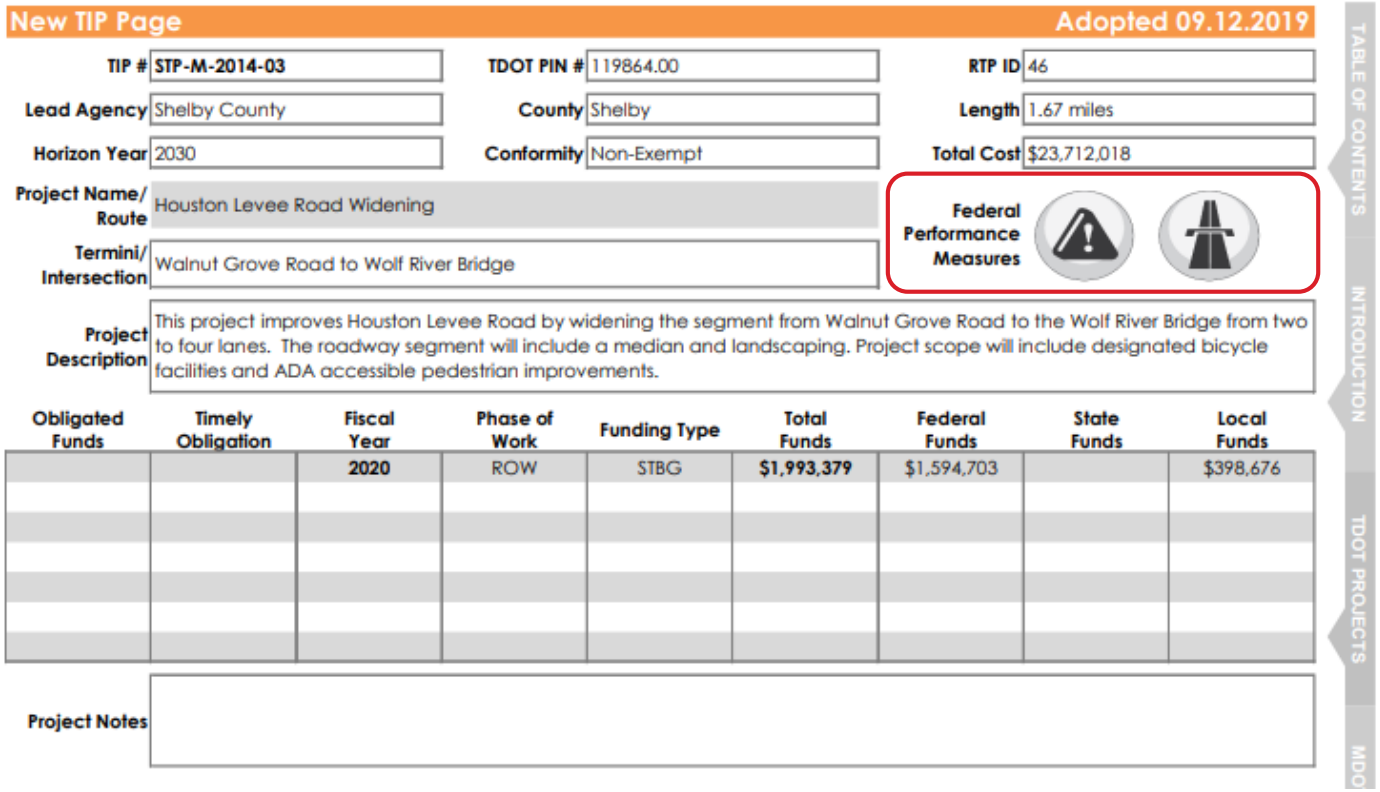


Public Involvement & Stakeholder Engagement

- **Emphasis on Incorporating Graphic Visualizations**
  - Informative Flyers & Handouts
  - Social Media
  - Narrated Videos
- **Emphasis on Providing Various Participation Opportunities**
  - Public Meetings & Hearings
  - Stakeholder Coordination
  - Library Distribution
  - Spanish Translations
- **Benefits of Early Public Involvement & Stakeholder Engagement**

Planning to Programming Link

- **Connecting and Advancing National, State, and Regional Goals and Objectives**
  - National Goal Areas and Planning Factors
  - RTP Planning Themes, Goals, Objectives
- **Incorporating State, Regional, and Local Plans and Studies**
  - Strategic Highway Safety Plan
  - Regional ITS Architecture
  - Pedestrian & Bicycle Plan
  - Local Comprehensive Plans
- **TIP Project Prioritization Criteria and Project Delivery**
  - Project Delivery Category



New TIP Page — **Adopted 09.12.2019**

TIP #	STP-M-2014-03	**TDOT PIN #**	119864.00	**RTP ID**	46
Lead Agency	Shelby County	**County**	Shelby	**Length**	1.67 miles
Horizon Year	2030	**Conformity**	Non-Exempt	**Total Cost**	$23,712,018

Project Name/ Route: Houston Levee Road Widening

Termini/ Intersection: Walnut Grove Road to Wolf River Bridge

Federal Performance Measures

Project Description: This project improves Houston Levee Road by widening the segment from Walnut Grove Road to the Wolf River Bridge from two to four lanes. The roadway segment will include a median and landscaping. Project scope will include designated bicycle facilities and ADA accessible pedestrian improvements.

Obligated Funds	Timely Obligation	Fiscal Year	Phase of Work	Funding Type	Total Funds	Federal Funds	State Funds	Local Funds
		2020	ROW	STBG	**$1,993,379**	$1,594,703		$398,676

Project Notes

TABLE OF CONTENTS | INTRODUCTION | TDOT PROJECTS | MDO

Performance Based Planning and Programming

- **Identifying Projects that Contribute the Achievement of Performance Targets**
  - TIP Page PM Icons

Development of FY 2023-26 TIP

- **Other Ongoing Issues Associated with Project Delivery**
  - Local Priorities Subject to Change
  - Conflicting Timelines for TIP & Local CIPs
- **Programming Funds for Project Groupings on an Annual Basis**
  - Project/Phase Readiness
  - Flexibility
  - Focus on Building Consensus

Part II: Management & Maintenance

FY2023 TIP
TRANSPORTATION IMPROVEMENT PROGRAM

TIP Project Status Meeting – March 2021
Announcements/Reminders

MS TIP Project Status & ETC Workshop: August 26, 2021

Memphis MPO FY 2020-23 TIP Projects

Agency	Project Name	PIN #	TIP #	Funding Type	Phase	Federal Funds 2020	Federal Funds 2021	Federal Funds 2022	Federal Funds 2023	FY 2020 Obligations	FY 2021 Obligations	Project Status
DeSoto County	Commerce Street Extension (SR-304)	107341	MS-LSTP-2015-02	STBG	ROW		$166,821					Maps and deeds approved. Working with MDOT to schedule ROW meeting. Submitted cost estimate to MDOT to obligate ROW funds.
				CRRSAA-HIP			$900,000					
Horn Lake	Nail Road Extension		MS-LSTBG-2020-01	STBG	PE-N	$128,448						Possible alterations to the termini of the project due to upcoming development. May not be obligated this year.
					PE-D		$145,747					
Olive Branch	Pleasant Hill Road Widening	108775	MS-LSTP-2008-01	STBG	PE-D		$456,431					Addressing MDOT comments on City contract and will submit the responses to MDOT soon. City is ready to negotiate contract with consultant after MDOT's comments are addressed. CSU needs to agree to the changes that the City submits.
				CRRSAA-HIP	PE-D		$36,802					
Southaven	Getwell Road Widening	107273	MS-LSTP-2014-01	STBG	ROW	$240,000						Restricted ROW certification submitted to MDOT, PS&E will be submitted soon. CE&I contract advertised and closes on 9.14.21.
					CONST		$3,500,000				$240,000	
				HIP	CONST		$228,069					
				STBG	CONST			$3,500,000				
Southaven	Stateline Road Pedestrian Project	107208	MS-LSTP-2015-04	STBG	CONST	$991,341					$991,341	Construction almost 50% complete. On schedule for construction completion in October/November 2021.
Signalization Projects												
DeSoto County	Pleasant Hill Road and Getwell Road	108444	MS-LSTP-2014-05	STBG	PE	$150,000					$227,005	Close to submitting field review plans.
					ROW		$250,000					
					CONST			$1,500,000				
Olive Branch	Davidson Road and Stateline Road	108449	MS-LSTP-2014-05	STBG	PE/ROW	$267,599				$117,975		Addressing MDOT's comments on plans. Project ROW maps and deeds will be submitted to MDOT soon.
					CONST		$1,297,520					
				CRRSAA-HIP	CONST		$355,014					
Olive Branch	US-78 - Craft & Bethel Interchange Lighting	108450	MS-LSTP-2014-05	STBG	PE	$107,040				$127,771		Encountering some issues with geotechnical work. City has requested time extension, which was approved. Geotechnical comments have been included in the plans.
					CONST		$2,076,096					
TA/TE/SRTS Projects												
DeSoto County	Lewisburg School/Craft Road Intersection Improvements and Sidewalks	107800	MS-TAP-2014-01	TA	PE-N/PE-D/ ROW/CONST	$198,400				$28,171		Currently addressing PS&E comments for advertisements.
Hernando	Nesbit Sidewalk Project	107877	MS-TAP-2014-01	TA	PE-N/PE-D/ ROW/CONST	$357,775						Project currently on hold. Working to determine next steps with the project.
Hernando	Linear Park Bike/Ped Path	106355	MS-TE-2016-01	TE/SRTS	PE-N/PE-D/ ROW/CONST	$793,713				$793,713		Project either complete or nearing completion.
Hernando	McIngvale Road Sidewalk	108602	MS-TAP-2014-01	TA	CONST	$174,000						Project currently on hold. Working to determine next steps with the project.
Horn Lake	Horn Lake Road Sidewalk		MS-TAP-2014-01	TA	PE-N/PE-D	$23,579						No updates, determining next steps.
DeSoto County	DeSoto County AgriCenter Trail		MS-TAP-2014-01	TA	PE-N/PE-D/ ROW/CONST		$233,387					Still need to activate project, and could potentially be moved to a future year.

Strategy 1: Coordination

- **Quarterly Meetings**
  - Started out as emailed updates and evolved to quarterly meetings
  - Separate meetings by state
  - All project sponsors & DOT attend
  - Call with DOT to go over in advance
  - Opportunities to hear common concerns and address similar facing issues
  - Benefit setting up first of year and how it works best for you (aligning with TIP amendment deadline, board meetings, etc.)

Strategy 2: Project Tracking

- **Monthly Updates**
  - Request monthly balances of MPO managed funds (STBG, TA, HIP)
  - Obligation reports
- **Internal Tracking System**
  - Overall "Project Health"
  - State of the current project phase
  - DOT Concurrence

- **Flagging/Notes**
  - Use information from meetings to flag upcoming obligations
  - Follow-up if not on obligation report
  - Has been beneficial to keep projects moving forward and keep track of large number of projects

Project Name	TIP #	Funding Type	Phase	Allocated Federal Funds		Obligated Federal Funds		State of the Current Phase				Nepa Status	DOT Concurrence on Progress	Overall Health	Current Contract	Total Obligated	Total Remaining	Upcoming Obligations
				2020	2021	2020	2021	PE-N	PE-D	ROW	CONST							
Capital Projects																		
Project 1	ID 1	STBG	ROW CONST	$500,000 $2,500,000		$500,000 $2,500,000					2	1	2	**5**	Yes	**$3,000,000**	**$0**	
Project 2	ID 2	STBG	CONST	$1,500,000		$1,500,000					2	1	2	**5**	Yes	**$1,500,000**	**$0**	
Resurfacing Projects																		
Project 3	ID 3	STBG	PE-N/PE-D	$50,000	$100,000	$50,000		2				1	2	**5**	Yes	**$50,000**	**$100,000**	**Upcoming PE-D Obligation**
Project 4	ID 4	STBG	PE-N	$25,000		$25,000		2				0	2	**4**	Yes	**$25,000**	**$0**	
Bicycle and Pedestrian Projects																		
Project 5	ID 5	STBG	CONST		$1,500,000					0		1	1	**2**	No	**$0**	**$1,500,000**	

Memphis MPO
METROPOLITAN PLANNING ORGANIZATION
Strengthening Regional Transportation

Transportation Improvement Program
Federal Funding & Project Status
FY 2021: 2nd & 3rd Quarter

Federally Obligated Projects - Tennessee

FY 2021: 2nd & 3rd Qrt (STBG) - Project Examples

Project	Jurisdiction	Project Type	Phase	Source	Federal Funding
Major Road Plan	Collierville	Study	PE-N	STBG	$4,800
Shelby Drive (Sycamore View to US-72)	Collierville	Road	ROW	STBG	$708,532
Shelton Road Bridge - Wolf Lateral J	Collierville	Maintenance	PE-N	STBG	$80,000
Byhalia Road/Collierville Road Signalization	Collierville	Maintenance	PE-D	STBG	$17,450
Signalization Projects: Poplar Pike/Forest Hill, Winchester/Forest Hill, Germantown/Neshoba	Germantown	Maintenance	PE-N	STBG	$70,419
Neshoba Road Resurfacing	Germantown	Maintenance	PE-N	STBG	$68,472
Wolf River Blvd/Houston High School Signalization	Germantown	Maintenance	PE-N	STBG	$20,805
Harbor Avenue Resurfacing	Memphis	Maintenance	PE-N/PE-D	STBG	$29,636
Sidewalk Program	Memphis	Bicycle & Pedestrian	PE-D	STBG	$22,896
Chelsea Avenue Greenline	Memphis	Bicycle & Pedestrian	ROW	STBG	$960,000
Wolf River Phase 15 (N. 2nd to Chelsea Ave)	Memphis	Bicycle & Pedestrian	PE-N/PE-D	STBG	$590,152
Easley Street and Shelby Road Resurfacing	Millington	Maintenance	PE-N	STBG	$12,400
Big Creek Church Road Resurfacing	Millington	Maintenance	ROW	STBG	$40,000
Navy Road ADA Improvements	Millington	Bicycle & Pedestrian	PE-N	STBG	$140,940

Note: Additional close-out deobligations/obligations occurred on previous TIP projects.

FY 2021: 2nd & 3rd Qrt (Other Funding Sources) - Project Examples

Project	Jurisdiction	Project Type	Phase	Source	Federal Funding
Memphis Arlington Road Bike/Ped Improvements	Arlington	Bicycle & Pedestrian	CONST	STBG-L	$468,411
Georgia Avenue at Riverside Drive Intersection Improvements	Memphis	Maintenance	PE-D	CMAQ	$47,100
Resurfacing Projects: Group 6	Memphis	Maintenance	CONST	HIP	$784,241
Air Quality Outreach and Education	SCHD	Air Quality Program	OPERATIONS	CMAQ	$288,000
Commute Options Schools Travel Demand Management Initiative	Innovate Memphis	Bicycle & Pedestrian	PE-D	CMAQ	$479,926

Federally Obligated Projects - Mississippi

FY 2021: 2nd & 3rd Qrt (STBG) - Project Examples

Project	Jurisdiction	Project Type	Phase	Source	Federal Funding
Pleasant Hill Road/Getwell Road Signalization	DeSoto County	Maintenance	PE	STBG	$227,005
Getwell Road Widening	Southaven	Road	ROW	STBG	$240,000
Stateline Road Pedestrian Project	Southaven	Bicycle & Pedestrian	CONST	STBG	$991,334

TENNESSEE
STBG Federal Funds
Unobligated Balance: $69.1M
FY21 Obligations (to date): $6.0M*

FY 2023 TIP

MISSISSIPPI
STBG Federal Funds
Unobligated Balance: $10.3M
FY21 Obligations (to date): $918K*

Notes:
FY 2021 obligations include deobligations on project close-outs during the fiscal year.
FY 2022 begins October 1, 2021

ONGOING:
Project Tracking & TIP Project Status Meetings
Plan the next FY 2023-2026 TIP Cycle

Memphis MPO
METROPOLITAN PLANNING ORGANIZATION

Communication

- **Board Meeting Updates**
  - Handouts and/or presentation (if needed)
  - Graphics are concise and easy for general audience to understand and review
- **Regular Project Correspondence**
  - Requested copied on major project milestones (ie: NTP from DOTs)
  - Updates on State-managed projects

The attached Notice to Proceed is for **Construction** for PIN 127990.00. You may now advertise the project for bids to be received.

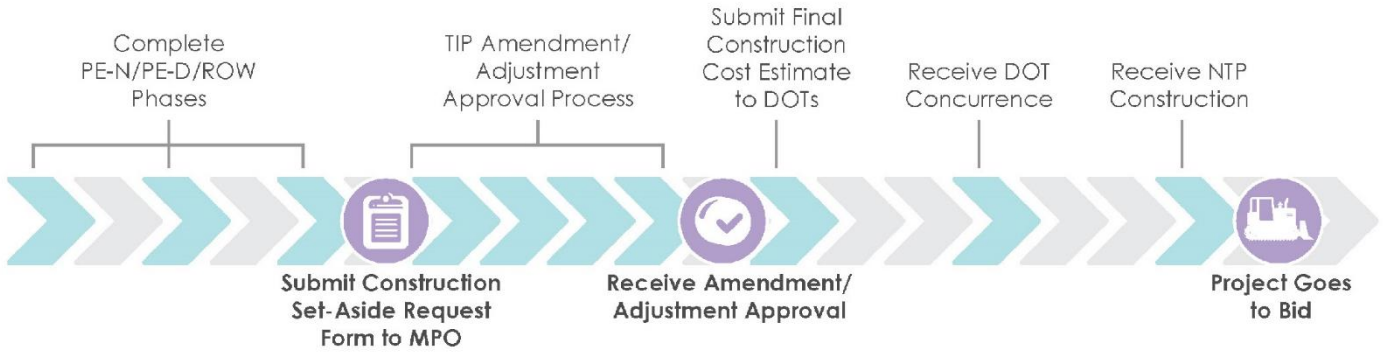
1. The advertisement must be submitted to the Local Programs Development Office at https://www.tn.gov/tdot/program-develo be submitted to Local.Programs@tn.gov at a minimum of 24 days prior to the bid opening date. If any changes to the adv governments no longer have to advertise in newspapers, unless required by local procurement rules. **Please notify me of yo**
2. Per federal law, you **cannot** require a license of your bidders if there are federal funds on any phase of the project.
3. Only TDOT pre-qualified bids are to be opened publicly and read aloud. If a bid is not read, the bidder is to be identified and tl
4. In order to obtain TDOT's concurrence in award, the following documents must be submitted electronically in accordance with
   a. A completed Form 8-4
   b. An electronic copy of the bid tabulations (Excel spreadsheet comparing bids received)
   c. Documentation certifying that the bids have been reviewed and found responsive
   d. A letter requesting concurrence in the decision to award signed by the Local Government Official or to reject the bids ir
   e. A PDF of the proposal contract for the apparent low bidder
   f. DBE Award Information, if applicable (Form 8-5)
5. You **must** email me a copy of the fully executed CEI contract for the referenced project before the pre-construction meeting.

Also note, $2,772,723.00 total has been obligated for this phase ($2,218,178.00 federal/ $554,545.00 local).

If you have any questions please feel free to contact me.

TN TDOT Department of Transportation

Construction Set-Aside Timeline



Request Form Example:

Requested Construction Funding

Total Funds	Federal Funds	Local Funds

Instructions: Please provide the following information to certify that this project is far enough along and will meet timely obligation, as per the Construction Set-Aside Policy.

NEPA

	YES	NO
Is the NEPA document still valid?	☐	☐
If yes, when does the NEPA document expire? (Month/Year)		
If expiring in less than 6 months, what is the timeline for renewal?		
Are there any NEPA related studies that will need to be conducted?	☐	☐
If yes, please list.		

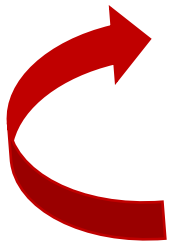
ROW

	YES	NO
Does the project require ROW acquisition?	☐	☐
If no, skip the remainder of this section, and go to the Construction Section.		
If yes, have all ROW offers been accepted and are in possession?	☐	☐
If no, how many parcels remain?		

Strategy 3: Construction Set-Aside Approach

- **Strategy to facilitate project delivery and reduce balance funding**
  - Locally managed STBG funded
  - Fiscally constrained project list
  - Evolved from capital projects only to grouping as well
- **Formal request from project sponsor**
  - Far enough along in ROW phase
  - Updated cost estimate – allows for increases if needed
  - First come, first serve
  - Amendment vs Modification
  - Timeframe to obligate funds

Bridge Grouping Example

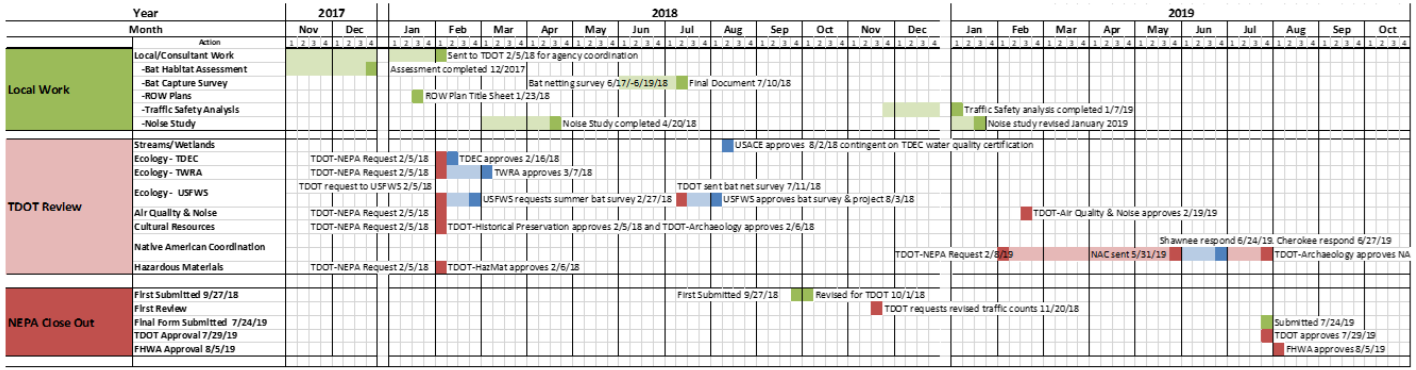


Programmed			
Agency	**Project Name**	**Phase of Work**	**Federal Funds**
Collierville	Shelton Road Bridge - Wolf Lateral J	PE-N/PE-D/ROW	**$520,000**
Germantown	Poplar Culvert Replacements Phase 5	PE-N/PE-D/ROW	**$40,000**
Memphis	Sam Cooper Bridge Repairs (STBG)	CONST	**$4,883,120**
	Sam Cooper Bridge Repairs (HIP)	CONST	**$1,817,629**
Millington	Raleigh Millington Bridge (STBG)	CONST	**$2,920,000**
Millington	Raleigh Millington Bridge (HIP)	CONST	**$1,197,080**
Unprogrammed Construction (fiscally constrained)			
Agency	**Project Name**	**Phase of Work**	**Federal Funds**
Germantown	Poplar Avenue Phase 4	CONST	**$420,000**
	Poplar Avenue Phase 5	CONST	**$400,000**
Construction Set Aside			**$820,000**

Common Issue: Reevaluation

Example: Bartlett – Old Brownsville Rd

PIN #010619.00



- Attempted to get ahead of bat habitat survey requirements in Nov/Dec, but USFWS required a bat capture survey in the summer. Clearance is given in August.

- In November, TDOT requests traffic forecast updates for the traffic safety analysis and noise study

- While re-evaluation was extended, several tribes released new areas of interest. This triggers a requirement for a new NAC. This adds 6-months to the NEPA process

Local Work	TDOT/FHWA Work	Resource Agency Response Time
Local Communication	TDOT/FHWA Communication	Resource Agency Communication

Median Local Project Length

Major Road	17.3 Months	26 samples
Studies & Plans	1.4 Months	14 samples
Everything Else	8.3 Months	(97) samples
-Bike/Ped	12.9 Months	10 samples
-Bridge	9.5 Months	15 samples
-Misc. Minor	5.9 months	16 samples
-Resurfacing	8.0 months	37 samples
-Signal	7.4 months	19 samples

Based on Notice to Proceed to NEPA phase and NEPA approval dates

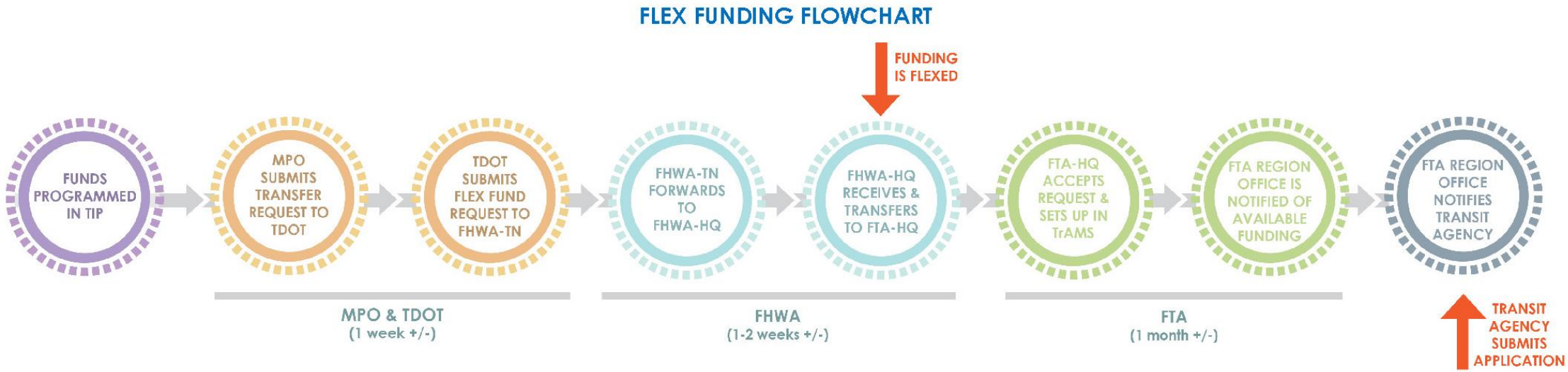
Review NEPA Phase
137 Regional Projects

Planning and Environmental Linkages

- **NEPA & Project Delivery**
  - NEPA approval process 3-Year window for NEPA Re-evaluation
  - Section 106 - Cultural Resources
  - Consultant hiring period
- **Mitigating Project Delays**
  - Identify environmental factors early
  - Selecting consultant early
  - Using available tools
- **Cultural Resources**
  - Programmatic agreement review – bike/ped projects added to the list of screened activities

Flex Funding Process

- **Utilize portion of STBG funds for transit projects**
- **Better Understanding Fund Transfer Process**
  - From FHWA to FTA
- **Collaboration with FHWA/FTA/DOTs**
  - Review timeframe and steps
- **Timeframe for Obligation**
  - Document upcoming TIP



Moving Forward:

- **New Processes**
  - Explore ways to improve project delivery (ie: annual review/programming funds for grouping projects)
- **Upcoming Access to FMIS**
  - Federal Financial Management Information Systems
  - Transfers, real-time obligations, etc.
- **Ongoing and Common Concerns**
  - Year-end/individual meetings to identify common issues impacting projects (ie: changes to DOT Design Manual, Design Deviations, etc.)
- **Peer Research & Best Practices**
  - Continue look at other MPO best practices and research to improve project delivery

Contact Information

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