

TSPLOST 2023 Project Submission

Transportation & Public Works Department (T&PW)
September 13th, 2021

Bridge Improvement Program

Bridge Improvement Program

Summary of need:

- Athens-Clarke County maintains 40 bridge structures with an average age of 41-years
- Industry standard life cycle for bridges is 50-years on average
- GDOT provides biannual bridge inspection report
- The maintenance suggested by GDOT extends the life of the bridges, maintains hydraulic conditions around bridges over water, and ensures safe public use
- The State programs bridge replacements along state and local roadways. However, with limited funding, these replacements can be delayed past the functional life of a bridge, and may not include infrastructure improvements that local jurisdictions would prefer, such as accommodations for bicycle and pedestrian traffic

Project Request:

- Bridge Capital Maintenance Costs (Annual): \$350,000
- Bridge Capital Maintenance Costs(Total – 5 year): \$1.75 million
- Bridge Replacement Matching Funds: \$2.67 million
- Program/Project Management: \$241,000
- Public Art: \$29,000
- Total Request: \$4,694,000

Bridge Improvement Program

Project Description:

- Provide necessary bridge and bridge culvert repairs as identified by the biannual GDOT bridge inspection report
- Continuation of SPLOST 2005 and SPLOST 2011 Projects
- Provide matching funds to help prioritize and enhance future GDOT bridge replacements within ACC.

Project Justification:

- GDOT is required to submit a bridge report to FHWA every two years. Therefore, they inspect all bridges throughout the State
- GDOT provides ACCGov the biannual bridge report with recommended maintenance that includes structural and non-structural recommendations to keep bridges in good working order

Bridge Improvement Program

Facility Carried by Structure	Waterway	2019 Sufficiency Rating	Construction Year	Comments
NORTH AVENUE	NORTH OCONEE RIVER	37.30	1974	RAISE Grant Request, Includes Bike/Ped
EAST BROAD STREET	NORTH OCONEE RIVER	45.70	1971	
MLK PARKWAY	TRAIL CREEK	49.90	1968	
OLD MACON HWY	MIDDLE OCONEE RIVER	52.20	1950	
FOWLER MILL ROAD	LITTLE BEAR CREEK	55.60	1959	Failed in 2021, Potential GDOT Replacement
SIMONTON BRIDGE RD	NORTH OCONEE RIVER	60.00	1964	
CLEVELAND ROAD	CSX RAILROAD (639922K)	60.00	1971	
JIMMIE DANIEL ROAD	MCNUTT CREEK	63.00	1969	
VINE STREET	TRAIL CREEK	64.20	1972	
BELMONT ROAD	SHOAL CREEK	64.70	1968	GDOT Replacement, Accommodates Bike/Ped

Fowler Mill Road Bridge Failure



Bridge Improvement Program

Budget Impacts:

- More effective use of General Fund Operating Budgets
- General Fund Capital Bridge Improvement & Replacement Program (c0449) savings:
 - FY18: \$75,000
 - FY19: \$0
 - FY20: \$50,000
 - FY21: \$50,000
 - FY22: \$50,000

Community Impact:

- Safe access to traveling public
- Improved resiliency of infrastructure through increased structural life expectancy of bridge structures

Bridge Improvement Program

Impacts of Not Funding:

- Increased number of bridges needing replacement
- Erosion, primarily within river crossings
- Inability to fund routine capital maintenance

Closing the Equity Gap

- Data-driven Prioritization
- Bike/Ped Bridge Enhancements will utilize AIM equity metrics

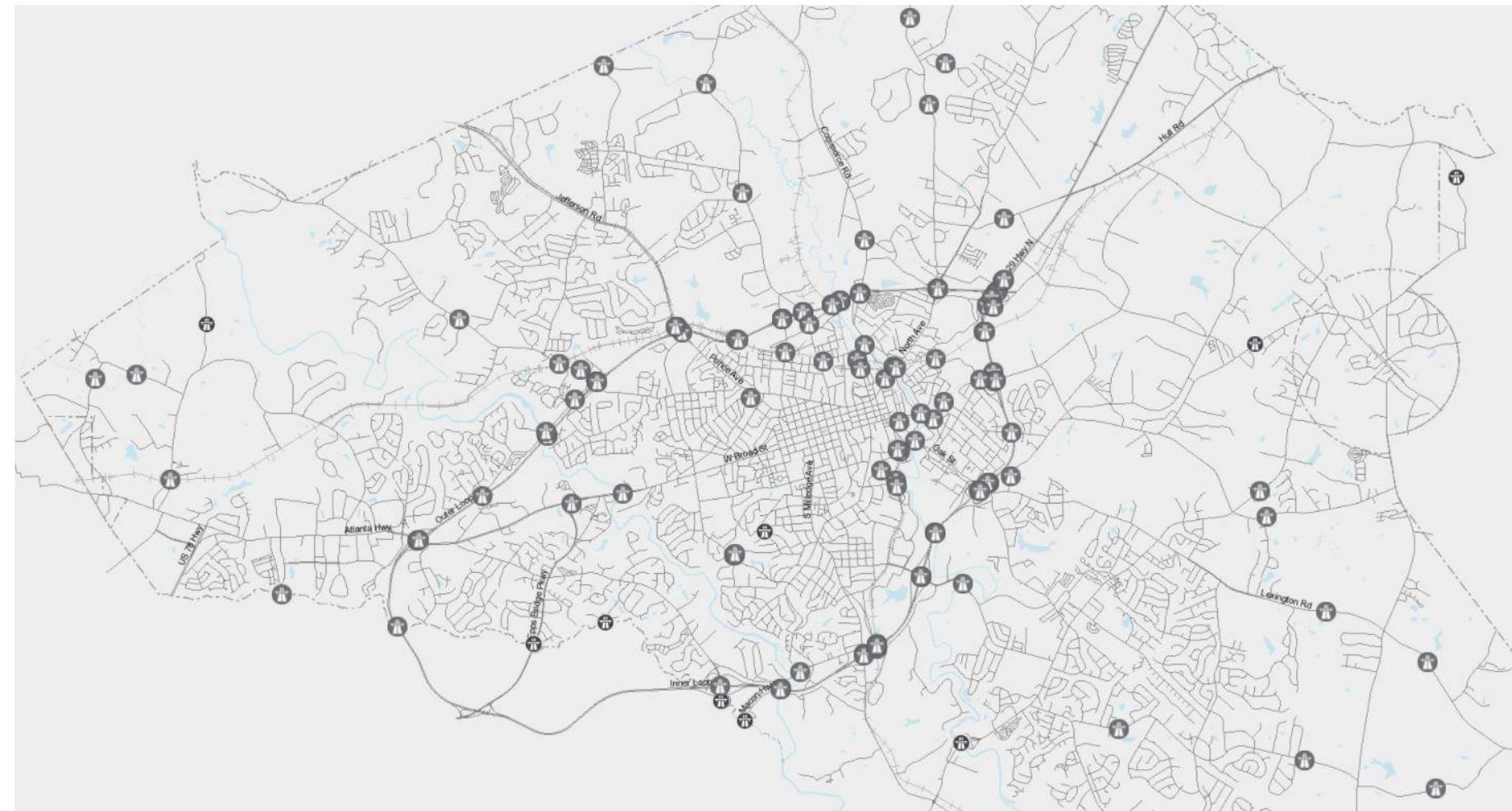


M&C Strategic Commitments

- This project strongly supports 9 of the 14 project selection criteria
 - Equity in Capital Infrastructure
 - Protecting existing Transportation Infrastructure Investments
 - Promoting Alternative Transportation Facilities
 - Continuing Sidewalk & Multi-Use Trail construction
 - Increased Access to Existing Public Facilities
 - Promoting Usage of Transit and Pedestrian Access to Transit
 - Reducing Vehicle Miles Traveled
 - Reducing Time Spent Traveling in Vehicles
 - Promoting Health and Safety

Triple Bottom Line Impact

- Economic
- Social
- Environmental



Questions