

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

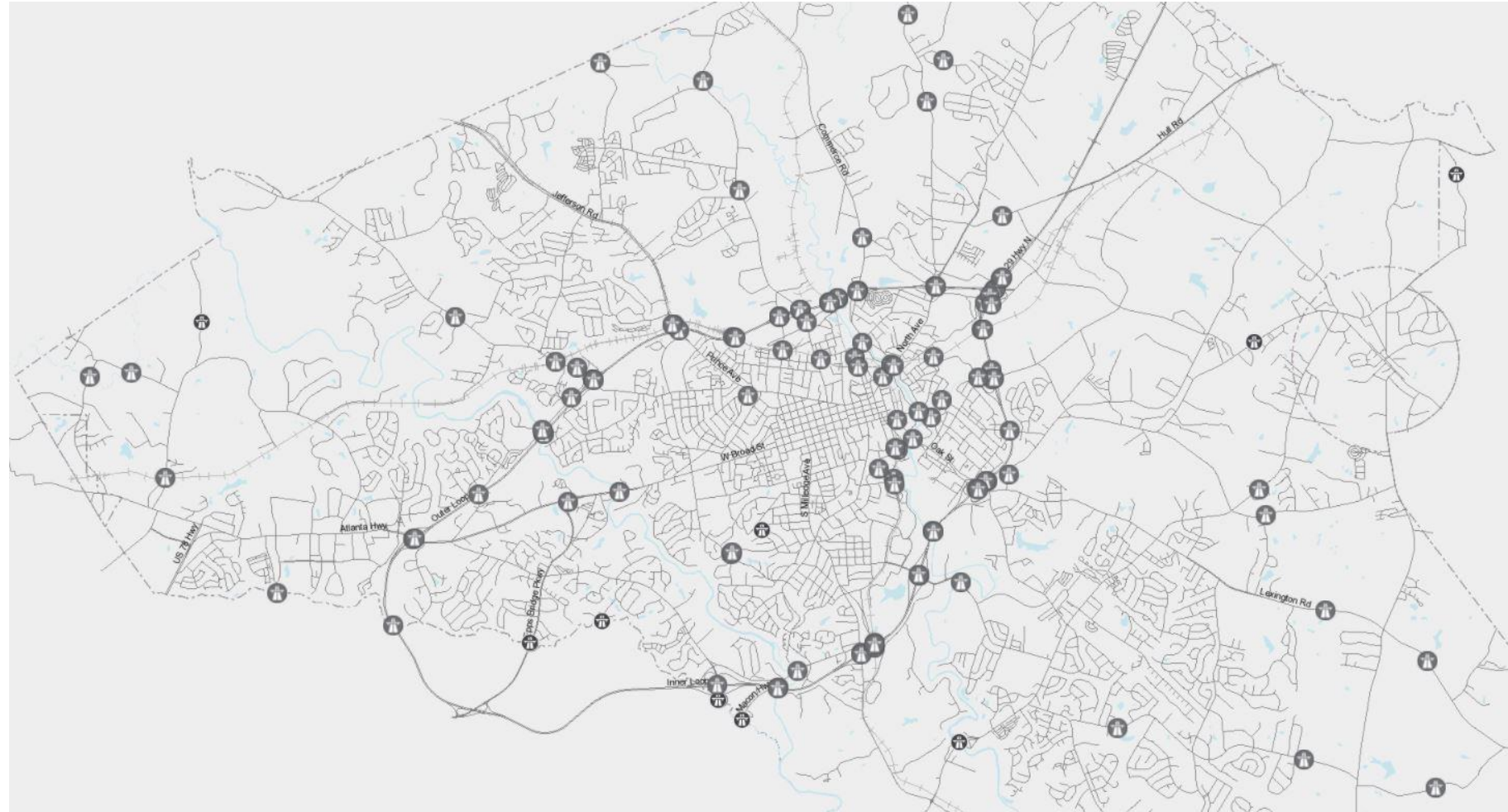


M&C Strategic Commitments

- 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