

Submitted By: City of Winterville
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Project Type: Streets/Roads/Bridges related projects - Transportation & Public Works Department

Previously submitted but not selected: No

Continuation Project: No

Executive Summary: The proposed project includes improvements to the intersection of Main Street, Athens Road, Cherokee Road, and Moores Grove Road by converting the existing signalized and stop intersections to a roundabout as shown on the project concept plan. The project also includes improvements to the existing Firefly Trail and other pedestrian within the limits of these two existing intersections.

Project Total Cost: \$ 9,786,000

Total Operating Cost: \$ 84,000

Does this Project require the acquisition of any land? Yes

What means of land acquisition will be required? Rights of Way; Easement

Project/Program Description: The proposed project includes improvements to the intersection of Main Street, Athens Road, Cherokee Road, and Moores Grove Road by converting the existing signalized and stop intersections to a roundabout as shown on the project concept plan. The project also includes improvements to the existing Firefly Trail and other pedestrian within the limits of these two existing intersections.

Staff Comments Clean Energy Goals: All lighting should be dark sky and, in association with trails, wildlife “friendly” (2700 K or less) compliant; If installed, bike racks to include solar/storage charging options; if installed, bench and rest areas should include solar/storage rest areas; Solar/storage/canopy can be included to power any needed lights and provide shade/heat mitigation in open concrete areas (ex: rest areas/open areas along path)

PROJECT JUSTIFICATION

How will the Project meet the stated Program Goals in the Mayor & Commission Strategic Plan to provide long-term, ongoing contributions to the Sustainable Transportation needs of the Athens-Clarke County?

Goal Area 1; Section D: Drive community transformation with a focus on creating spaces that are respectful and welcoming: The City of Winterville continues to evolve as a community node and desirable location to bike, walk, and enjoy the community assets of the Winterville area. The intersection of Main Street, Athens Road, Cherokee Road, and Moores Grove Road serve as the central node of the Winterville area, and the gateway to Main Street Winterville.

Goal Area 1; Section E: Support & promote healthy lifestyle: moving, eating, forming healthy relationships, physical and psychological care: The City of Winterville is home to the Marigold Festival, the Marigold Farmer's Market, the Buddy Chrisitan Memorial 5k, the Winterville Snowflake 10k, Fall Concerts on the Porch, the Marigold Auditorium and many other regional attractions and events. The section of the Firefly Trail that runs along Main Street is some of the most used sections of trail. The intersection of Main Street, Athens Road, Cherokee Road, and Moores Grove Road is the gateway to these community enriching activities.

Goal Area 5; Section A: Improve, expand, and maintain sidewalks, shared-use paths, and bike facilities to provide greater opportunities for residents to use active transportation safely: The proposed improvements will incorporate new pedestrian crossings improving pedestrian egress throughout the existing intersection connecting adjacent business and public facilities to the Firefly Trail.

Goal Area 5; Section B: Pursue inter-city travel options to connect Athens with other cities: The intersection of Main Street, Athens Road, Cherokee Road, and Moores Grove serves as a regional node that connects the east side and north sides of Clarke County, and the industrial park with the City of Winterville, Oglethorpe County, and Madison County. The City of Winterville anticipates continued commercial growth at the intersection.

Goal Area 5; Section C: Expand multi-modal Transit access to reduce auto dependency and provide greater mobility for Athens residents: The proposed improvements the intersections of Main Street, Athens Road, Cherokee Road, and Moores Grove Road will incorporate pedestrian and bike improvements throughout the design. These proposed improvements will be coordinated with the Bike, Pedestrian and Safety Coordinator and other community stakeholders to ensure greater mobility. The intersection will be engineered to accommodate transit buses for future transit expansions into the City of Winterville.

Goal Area 5; Section D: Create more usable and aesthetically pleasing corridor connections between residential and commercial areas: The intersection of Main Street, Athens Road, Cherokee Road and Moores Grove Road serves as a node and transition between commercial and residential areas. The proposed design intends to improve the aesthetic appeal of the intersection and provide an inviting transition.

Goal Area 5; Section E: Enhance safety for all modes of transportation: The proposed intersection improvements will incorporate safety considerations for all modes of transportation. The project anticipates applying appropriate design elements to encourage pedestrian and bikes.

Goal Area 6; Section A: Develop well-planned new infrastructure according to future land use values and framework: The intersections of Main Street, Athens Road, Cherokee Road, and Moores Grove Road serves as a key transportation node for both pedestrians and vehicles. The Firefly Trail connects with the commercial areas of Winterville at this node while this node also connects residents who are commuting from the east side of Athens-Clarke County, the north side of Athens-Clarke County, the industrial park, and the City of Winterville.

Goal Area 6; Section B: Ensure equitable access to infrastructure to enhance safety and identity: The proposed improvements would provide safe and equitable access to surrounding infrastructure and businesses and alleviate traffic congestion and the chances for automobile accidents; all while providing safe pedestrian access to the firefly trail and adding character to the City of Winterville's road network.

Goal Area 6; Section C: Provide adequate funding for maintenance of existing and newly constructed infrastructure: The proposed roundabout will reduce future funding for upgrades and maintenance of the existing traffic signal at the intersection of Athens Road, Cherokee Road, and Moores Grove Road.

Goal Area 6; Section D: Follow through on commitment to 100% Clean and Renewable Energy resolution: Roundabout intersections increase fuel and energy economy of vehicles. By converting the two current intersections to a continuous roundabout, the proposed improvements will contribute to a reduction of fuel and energy consumption.

Goal Area 6; Section E: Address ecosystem health, infrastructure sustainability, and resilience: The proposed roundabout design is anticipated to utilize the limits of the existing intersections and require limited impacts to adjacent tree canopy. All materials and design elements will be designed with resiliency as a key aspect.

Project Costs

Detailed project capital budget costs (to be funded from TSPLOST 2026 only):

Project Costs (round to thousand)	Amount
1. Land Acquisition / ROW / Easement:	\$ 400,000
2. Design Fees: (Min.12% of New Const.; 14% of reno,; 16% for LEED proj.)	\$ 816,000
3. Miscellaneous Fees: (Min. Minimum of 3% of Construction Costs – used for permitting, etc. Utilize minimum of 10% if land acquisition if necessary.)	\$ 580,000
4. Construction:	\$ 5,800,000
5. Construction Contingency: (10% of the Construction line item)	\$ 580,000
6. Testing:	\$ 159,000
7. Project Management: (4% of the total budget line items above)	\$ 334,000
8. Project Contingency: (10% of the total budget line items above)	\$ 867,000
9. Public Art: Calculated at 1% of the Construction line item.	\$ 58,000
10. Other 1:	\$
11. Other 2:	\$
Project Subtotal:	\$ 9,594,000
14. Program Management (2% of Project Subtotal):	\$ 192,000
TSPLOST 2026 Project Total:	\$ 9,786,000

Staff Comments on Estimate: Estimate increased for Utility Relocation or upgrades that would need to be done at same time as the improvements. Land acquisition increased based on recent experiences and cost to cure estimates.

Project Financing

Is the proposed Project to receive funding from source(s) other than TSPLOST 2026? No

Operating Cost

Total Annual Net Operating Costs when Project is complete:

Only identify additional or net operating costs to be paid by ACCGov as a result of this Project. Identify the additional or net costs needed, above ACCGov's current operating budget, to operate the requested project; as well as any additional Project related revenues that would be generated. Provide budget costs for each identified category below.

Operating Costs (round to thousand)	Estimated Impact for Annual Operating Expenditures
TOTAL PROJECTED REVENUES FROM PROJECT	
PROJECTED EXPENDITURES	
1. Personnel Costs: from Appendix A	
2. Annual Utilities:	
• Natural Gas:	
• Electrical:	
• Water:	
• Sewer:	
• Phone:	
• Solid Waste Collection:	
• Other:	
3. Operating Supplies:	
4. Equipment Maintenance:	
5. Facility Maintenance:	
6. Other: Public Art Maintenance	\$ 1,000
7. Other: Annual Maintenance	\$ 28,000
8. Other: Life Cycle Replacement	\$ 55,000
TOTAL EXPENDITURES	\$ 84,000
NET OPERATING COSTS OF PROJECT:	\$ 84,000.00



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WINTERVILLE T-SPLOST MAIN ST & CHEROKEE RD ROUNDABOUT

CITY OF WINTERVILLE

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REVISIONS

ISSUE PURPOSE

INITIAL SUB. DATE 08/20/2023

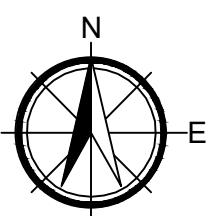
INITIAL SUB. DATE. 08/29/02

W&A PROJECT #: 24-0028

CONCEPTUAL LAYOUT

C-1

Digitized by srujanika@gmail.com



SCALE 1" = 40' 20 40 80

This aerial map illustrates a proposed road interchange and associated infrastructure. The map is overlaid on a satellite image of a residential and commercial area. Key features include:

- WINTERVILLE RD**: A road running horizontally across the intersection.
- MOORES GROOVE RD**: A road running diagonally upwards from the bottom left.
- CHEROKEE RD**: A road running diagonally upwards from the bottom center.
- ATHENS RD**: A road running diagonally upwards from the bottom right.
- MAIN STREET**: A road running vertically downwards from the bottom center.

Proposed features and easements are indicated by yellow lines and labels:

- PROPOSED RIGHT-OF-WAY**: The new alignment for WINTERVILLE RD and ATHENS RD.
- PROPOSED CONSTRUCTION EASEMENT**: Areas where construction will occur, often marked with red hatching.
- RELOCATED FIREFLY TRAIL**: A trail being moved to accommodate the new road alignment.
- PROPOSED RIGHT-OF-WAY**: The new alignment for MOORES GROOVE RD and MAIN STREET.
- PROPOSED CONSTRUCTION EASEMENT**: Areas where construction will occur, often marked with red hatching.
- PROPOSED RIGHT-OF-WAY**: The new alignment for CHEROKEE RD.
- PROPOSED CONSTRUCTION EASEMENT**: Areas where construction will occur, often marked with red hatching.
- PROPOSED RIGHT-OF-WAY**: The new alignment for MAIN STREET.
- PROPOSED CONSTRUCTION EASEMENT**: Areas where construction will occur, often marked with red hatching.
- PROPOSED GOLDEN PANTRY IMPROVEMENTS**: A large red area representing the expansion of the Golden Pantry, with a dimension of $\pm 5,600\text{ SF}$.
- PROPOSED FUEL CANARY**: A small red area near the proposed Golden Pantry improvements.

Annotations and labels:

- MAINTAIN EXISTING CURBLINE, SIDEWALK AND COMMERCIAL DRIVES**: A note for the proposed alignment of MOORES GROOVE RD.
- MAINTAIN EXISTING RESIDENTIAL DRIVE**: A note for the proposed alignment of MAIN STREET.

A compass rose in the bottom right corner indicates cardinal directions (N, S, E, W).