

PI No.: 0017789

Project Location: City of Canton / Cherokee County

Project Description: Georgia Department of Transportation (GDOT) PI No. 0017789 is an intersection improvements project located at the intersection of State Road (SR) 140 / Waleska Road and SR 5 Business / Marietta Highway in Canton, Georgia (**Figure 1**). The proposed project includes increasing right turning lane storage, the installation of a concrete median to restrict access near the intersection, right-in/right-out improvements at the Walgreen’s Driveway and Hospital Road, signal improvements, and realignment of Shoal Creek Road to align with Mary Lane while still allowing truck access to businesses in the project area during construction. The proposed project would require the use of off-site detours at Shoal Creek Road and Hospital Road during construction. The disturbance area for this project is approximately 6.8 acres.

Brief Need & Purpose: The purpose of the proposed project is to improve the operational efficiency of the intersection by increasing left-turn capacity and reducing crash frequency and severity.

Schedule:

- **MGMT Right of Way Date:** December 2024
- **MGMT Let Date:** March 2026
- **Construction Time:** 24 months

Cost Estimates:

Phase	Amount (\$)	Estimate Date	Fiscal Year (XXXX)
Preliminary Engineering*	\$1,313,093	Unknown	2021
Right of Way	\$575,000	Unknown	2025
Construction	\$6,326,061	6/7/2024	2026
Utilities	\$805,000	6/7/2024	2026
Total	\$9,019,154		

* Estimated Section 404 compensatory mitigation costs has been added to this total.

Road Classifications: Suburban Minor Arterial

Existing Typical Section:

- Roadway – Two 12-foot wide travel lanes, no median, 0 to 2-foot wide outside shoulders, and a shared-use path less than 10-foot wide

Proposed Typical Sections:

- Mainline – Four 11-foot wide travel lanes (two in each direction), 6.5 to 20-foot wide concrete median, a 5 to 8-foot wide sidewalk, and a shared-use path less than 10-foot wide. A 2-foot wide shoulder with a 6.5-foot wide sidewalk along the north side, and a 6-foot wide shoulder with a 16-foot wide shared-use path along the south side.

Existing Right of Way: 80 feet wide along SR 140 / Waleska Road

Proposed Right of Way: 80 to 100 feet wide along SR 140 / Waleska Road

Traffic:

- **LOS Open Year 2028:** AM = C & PM = D
- **LOS Design Year 2048:** AM = E & PM = F
- **AADT Open Year:** 21,700 VPD
- **AADT Design Year:** 30,700 VPD

Posted Speed: 45 MPH

Design Speed: 45 MPH

Project Length: 0.388 mile

Roadway Length: N/A

Bridge Length: N/A

Existing Major Structures: There are large box culverts located within the project corridor that carry stream resources underneath the existing roadways. There are no bridges along the corridor.

Proposed Major Structures: The two 6-foot by 6-foot box culverts that carry Perennial Stream 1 underneath Old Shoal Creek Road and Shoal Creek Road would be extended as part of the proposed project.

No. of Parcels:
22

Potential Displacements:
0

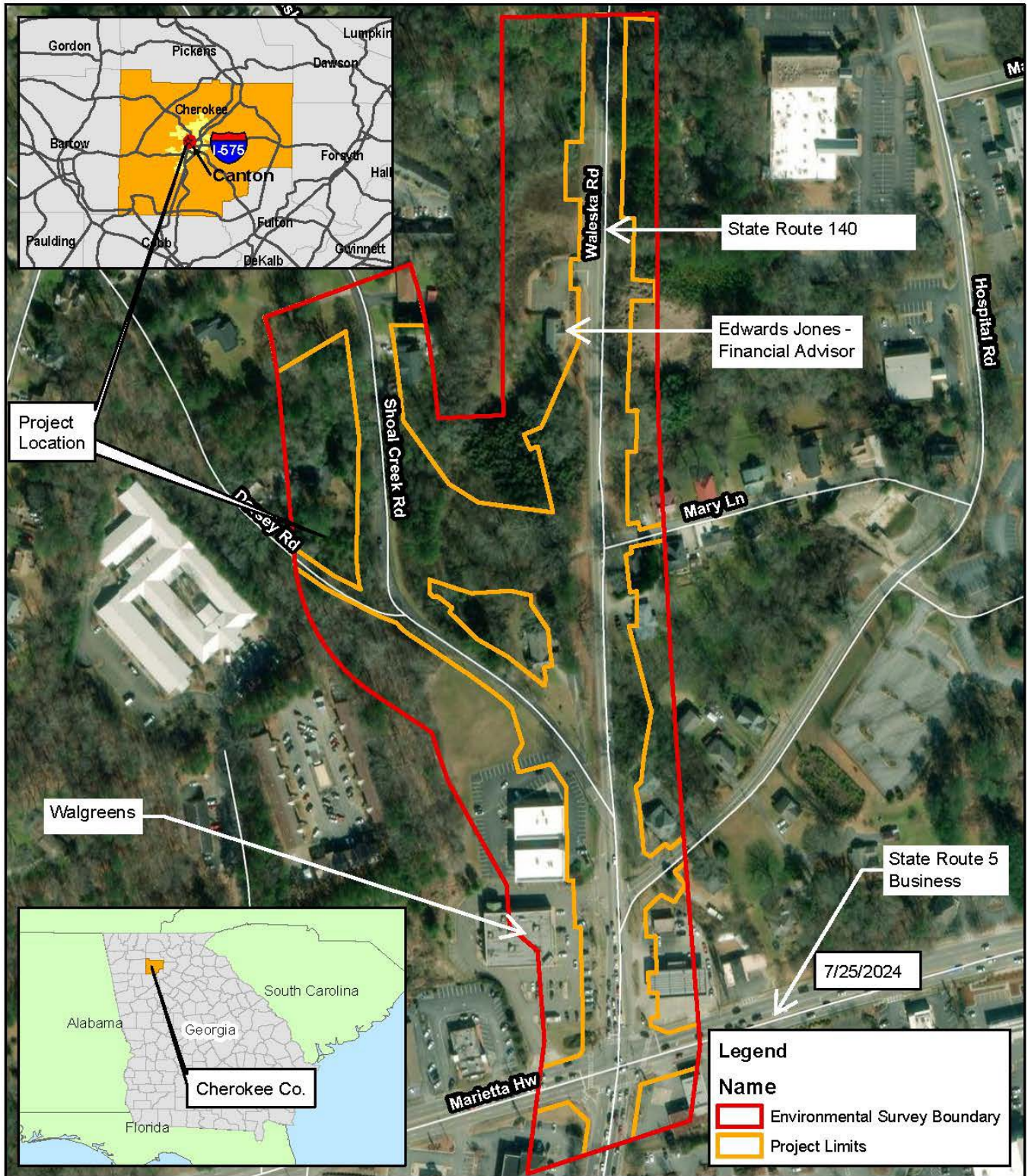
Total Impacted Parcels:
22

Alternatives Considered:

- **Preferred Alternative:** The preferred alternative is an intersection improvements project located at the intersection of SR 140 / Waleska Road and SR 5 Business / Marietta Highway (see **Figure 1**). The proposed project includes increasing right turning lane storage, the installation of a concrete median to restrict access near the intersection, right-in/right-out improvements at the Walgreen's Driveway and Hospital Road, signal improvements, and realignment of Shoal Creek Road to align with Mary Lane while still allowing truck access to businesses in the project vicinity during construction. The proposed project would require the use of two off-site detours at Shoal Creek Road and Hospital Road during construction.
- **No-Build Alternative:** Existing SR 140 has two 12-foot lanes, one in each direction, with right turn lanes at the Walgreens entrance, Texaco entrance, and right and left turn lanes at the SR 140 / Waleska Road and SR 5 Business / Marietta Highway intersection, all 12-foot widths. There is no existing median, but there is 248 feet of sidewalk spanning from the Walgreens entrance island to the SR 140 / Waleska Road and SR 5 Business / Marietta Highway intersection. There is 200 feet of sidewalk beginning at the Edward Jones entrance and extending to the south along SR 140. Both of these segments of sidewalk are 6.5 feet in width and have a 5.5-foot wide grass strip between the sidewalk and the roadway. The SR 140 / Waleska Road at SR 5 Business / Marietta Highway intersection is signalized, while all of the other intersections: Hospital Road, Shoal Creek Road, and Mary Lane entering Waleska Road are all stop sign-controlled.
- **Alternative #1:** Alternative 1 has the same roadway layout as the preferred alternative with a change in the treatment of driveways accessing SR 140 / Waleska Road. Instead of removing the northern-most dental office driveway from Shoal Creek Road and the driveway supplying the property in the northwest quadrant of the SR 140 / Waleska Road and Shoal Creek Road intersection, the driveways are retained with similar access to SR 140 / Waleska Road. However, with the construction of the median, left-turning traffic would be required to turn right onto SR 140 / Waleska Road and then U-Turn at the SR 140 / Waleska Road and SR 5 Business / Marietta Highway intersection. This change in traffic movement requires additional pavement and property from the Texaco gas station located in the northeast quadrant of the SR 140 / Waleska Road and SR 5 Business / Marietta Highway intersection.

Environmental Considered:

- **Environmental Document Type:** NEPA – Categorical Exclusion
- **Ecology:** The ecological resources field survey resulted in the identification of three waters of the U.S. located within the Environmental Survey Boundary (ESB): Perennial Stream (PS) 1, Intermittent Stream (IS) 2, and IS 3. All three of these aquatic resources are considered buffered waters of the state, and any non-exempt impacts to the 25-foot vegetative buffer of these resources would require a variance issued by the Georgia Department of Natural Resources – Environmental Protection Division. All of the forested habitats and large box culverts located within the ESB are considered suitable habitat for the tricolored bat (*Perimyotis subflavus*) and suitable roosting habitat for migratory birds. The forested habitats and riparian corridors are considered suitable habitat for the federally endangered gray bat (*Myotis grisescens*). Due to the presence of suitable habitat within the ESB and the anticipated impacts to the suitable habitat, Special Provision (SP) 107.23H will be implemented during construction to avoid and/or minimize adverse impacts to federally protected species.
- **Archaeology:** An Archaeological Short Report with negative findings was completed and concurrence from the State Historic Preservation Officer (SHPO) is not required.
- **History:** Three (3) National Register of Historic Places (NRHP) eligible resources (Mary Lane Historic District, Poland House, and Covington House) were identified within the ESB. It is anticipated that implementation of the proposed project would have *no adverse effect* on these NRHP-eligible historic properties.
- **Air/Noise:** The proposed project is located within an Ozone attainment area, and project-level Carbon Monoxide analyses are no longer required in the state of Georgia. The proposed project qualifies as a Type III project; therefore, a full noise impact analysis is not required.



State Route 140 at State Route 5 Business in Canton
Cherokee County, Georgia
GDOT PI No. 0017789

Figure 1: Survey Area Map
(Aerial Photograph)



Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, USA
Topo Maps, Canton, Cherokee County, GA
Source: Georgia GIS Data Clearinghouse, Cherokee County, Streets