



Columbia has provided services to the Georgia Department of Transportation (GDOT) for 18 years. Columbia offers a robust suite of transportation engineering services. Project types include limited access interchanges, urban and rural widenings, new location roadways, intersection improvements, roundabouts, and pedestrian/bicycle accessibility enhancements. Key project tasks include traffic studies, exhibits and 3D renderings for public involvement, roadway geometric design, preparation of design exceptions and variances, stormwater and drainage design, construction cost estimates, utility coordination, utility design, signal and ITS design, traffic signing and marking plans, staging and maintenance of traffic plans, erosion control plans, and right-of-way plans. A sampling of Columbia's GDOT projects are as follows:

SR 141 @ CR 3528/ Winters Chapel Road, Gwinnett/ DeKalb County, GA. The proposed operational improvement project includes restriping to provide dual left-turn lanes along the eastbound and westbound approaches of Winters Chapel Road. The existing channelizing islands on SR 141 will be modified to allow for lanes along SR 141 to receive dual lefts. Additionally, the proposed improvement will restripe the SR 141 exit ramps to convert the shared left-turn/through lanes to exclusive through lanes. The existing U-turn lane along the southbound SR 141 exit ramp would be converted to shared U-turn/left-turn lanes. Split phase signal operations will be removed from this intersection.

Widening SR1/US27 from Turnberry Lane to SR315, Muscogee & Harris Counties, GA. This 7.6 mile TIA project includes widening the existing 2-lane and 3-lane rural roadway to a 4-lane with a 4-ft flush median from Turnberry Lane to just north of East Bonacre Road. From north of East Bonacre Road to old SR 315 there will be an overlay of the existing pavement only. A new location roundabout will be constructed at the intersection of SR 1/US 27 and re-aligned SR 315.

SR 53 @ CR 433/New Cut Road Roundabout, Arcadis, Jackson County, GA. This safety project is located at the intersection of SR 53 at CR 433/New Cut Road and CR 181/Ednaville Road in Jackson County, approximately 1.60 miles north of Braselton, Georgia. The proposed project will replace the existing 2-way stop condition with an elliptical roundabout. This project is located along a designated Oversized-Overweight (OSW) route. Geometric features and construction staging will accommodate OSOW vehicles.

SR 122 @ Mule Creek, Brooks County, GA. Replaced the existing bridge on SR 122 over Mule Creek, 2 miles east of Pavo, with a new single span 130-foot bridge featuring two 12-foot lanes and 6-foot shoulders on both sides. The roadway section will include two 12-foot lanes with 6-foot rural shoulders (2-feet paved, 4-feet grassed). The total length of the project is 2,650 feet. The new bridge was constructed at the same location as the existing bridge. SR 122 traffic was rerouted during construction to designated offsite detours.



SR 141 at Winters Chapel

SR 45 @ Dry Creek, Seminole County, GA. Replaced the existing bridge on SR 45 over Dry Creek, located approximately three miles north of US 84 in Iron City, with a new 4-span 160-foot bridge using two 12-foot lanes and 6-foot shoulders on both sides. The roadway section included two 12-foot lanes with 6-foot rural shoulders (2-foot paved, 4-foot grassed). The total length of the project is 950 feet. The new bridge was constructed at the same location as the existing bridge SR 45 traffic will be rerouted during construction to designated offsite detours.

SR 122 over Brice Pond Tributary and Okapilco Creek, Brooks County, GA. Replacing the existing two bridges on SR 122 over Brice Pond Tributary and over Okapilco Creek, which are approximately 7 miles east of Pavo, with new bridges (10-span 400-foot and 17-span 775-foot, respectively) using two 12-foot lanes and 6-foot shoulders on both sides. The roadway sections will include two 12-foot lanes with 6-foot rural shoulders (2-foot paved, 4-foot grassed). The total length of the project is approximately 4,200 feet. SR 122 will be closed and the existing bridges will be replaced with new bridges at the same locations while traffic uses a designated off-site detour.

SR 76/SR 333 @ CS834/Crawford Street & CSX #636942L and Unnamed Tributary, Brooks County, GA. Replacing the existing bridge along SR 76/SR 333 @ CS 834/Crawford St & CSX Railroad in downtown historic Quitman, Georgia. The new 5-span 499-foot bridge and walls will have four 12-foot lanes, 2-foot gutter and 5.5-foot sidewalk. The approaching roadway will have four 12-foot lanes, variable 0-foot to 12-foot raised and flush median, 2.5-foot curb/gutter and 5-foot sidewalk. The total length of the project is approximately 2,000 linear feet. The roadway will be closed for 18 months to construct the new bridge and walls at the same location while the traffic will use a designated offsite detour.