

Georgia Department of Transportation

Public Information Open House Handout

Project CSHPP-0007-00(313), Fulton County,

P.I. Nos. 0007313

Project Description:

Currently the existing intersection of Broadwell Road/Birmingham Highway and Crabapple Road/Mayfield Road is a signalized 4-way intersection. Broadwell Road/Birmingham Highway and Crabapple Road/Mayfield Road are two-lane urban roads. The existing intersection does not have separate left turn lanes. The lack of signalized left turn movements and increasing traffic volumes contribute to congestion in this area. The City of Milton has determined that improving the capacity and alleviating congestion at this intersection requires immediate attention and therefore, has given this project high priority status.

To alleviate traffic congestion, modifications to the intersection of Broadwell Road/Birmingham Highway and Crabapple Road/Mayfield Road would require adding left turn lanes on Broadwell Road, Birmingham Highway and Crabapple Road. Additionally, to provide better connectivity within the Crabapple area, alternate routes were considered to bypass the intersection of Broadwell Road/Birmingham Highway and Crabapple Road/Mayfield Road. The intersections of the alternate routes would need to be controlled by stop signs, roundabouts or signals.

Proposed Design Features:

- Project Length:

Alternative 1: 1500 feet (0.28 miles)

Alternative 2: 2100 feet (0.40 miles) of which 700' is new roadway

Alternative 3: 1300 feet (0.25 miles) new roadway

Alternative 4: 2000-3050 feet (0.38-0.58 miles), of which 1800 feet (4), 650 feet (4a), 850 feet (4b) is new roadway

- Proposed Typical Sections: Two lane urban roadways with 11' travel lanes and turn lanes; 14' median; 18' shoulder with 8' sidewalks. (Single lane roundabout with 16' travel lane)

- Proposed Design Speed: 35 mph (25 mph for roundabout)

- Alternatives Considered:

Alternative 1: Adding left turn lanes on Broadwell Rd, Birmingham Hwy and Crabapple Rd.

Alternative 2: Adding left turn lanes on Broadwell Rd, Birmingham Hwy and Crabapple Rd; the extension of Crabapple Chase Dr from Crabapple Rd to McFarlin Ln at Birmingham Hwy. Two single lane roundabouts are proposed; one at Crabapple Chase Dr and Crabapple Rd and the other at McFarlin Ln and Birmingham Hwy.

Alternative 3: Adding left turn lanes on Broadwell Rd, Birmingham Hwy and Crabapple Rd; a new roadway from McFarlin Ln at SR 372/Birmingham Hwy to Mayfield Rd at Charlotte Dr. The intersection of Mayfield Rd at Charlotte Dr will remain signalized and a single lane roundabout is proposed at McFarlin Ln and Birmingham Hwy.

Alternative 4: Adding left turn lanes on Broadwell Rd, Birmingham Hwy and Crabapple Rd; a new roadway from Broadwell Rd to Mid-Broadwell Rd and connecting to Charlotte Dr. The connections for this alternative may include, (4) an extension of Dunbrody Dr to the intersection of Mid-Broadwell Rd at Charlotte Dr or (4a) an extension of Marstrow Dr to Mid-Broadwell Rd and (4b) then to Charlotte Dr. The intersection of Mayfield Rd at Charlotte Dr will remain signalized, a single lane roundabout is proposed at Mid-Broadwell Rd and Charlotte Dr and all other intersections are to be controlled by stop signs.

Alternative 5: No build.