

4.0 EXISTING TRAFFIC ANALYSIS

4.1 Existing Traffic Volumes

Existing traffic counts were obtained at the following study intersections:

- McGinnis Ferry Road at Delta Community Credit Union Driveway
- McGinnis Ferry Road at Johns Creek Parkway
- Johns Creek Parkway at Delta Community Credit Union Driveway

Turning movement counts were collected on Tuesday, February 5, 2019. All turning movement counts were recorded during the AM and PM peak hours between 7:00am to 9:00am and 4:00pm to 6:00pm, respectively. The four consecutive 15-minute interval volumes that summed to produce the highest volume at the intersections were then determined. These volumes make up the peak hour traffic volumes for the intersections counted and are shown in Figure 2.

4.2 Existing Traffic Operations

Existing traffic operations were analyzed at the study intersections in accordance with the HCM methodology. The results of the analyses are shown in Table 3. The existing traffic control and lane geometry for the intersections are shown in Figure 3.

TABLE 3 – EXISTING INTERSECTION OPERATIONS				
Intersection		Traffic Control	LOS (Delay)	
			AM Peak Hour	PM Peak Hour
1	<u>McGinnis Ferry Rd @ Delta Community Credit Union Drwy</u>	Stop Controlled on NB and SB Approaches		
	-Eastbound Left		C (19.1)	B (10.1)
	-Westbound Left		C (15.4)	B (11.0)
	-Northbound Approach		D (26.0)	D (30.3)
	-Southbound Approach	F (73.8)	C (18.4)	
2	<u>McGinnis Ferry Rd @ Johns Creek Pkwy</u>	Signalized	<u>C (31.8)</u>	<u>D (37.4)</u>
	-Eastbound Approach		B (19.0)	C (24.6)
	-Westbound Approach		B (20.0)	C (23.1)
	-Northbound Approach		E (69.6)	E (65.3)
	-Southbound Approach	E (68.6)	E (68.4)	
3	<u>Johns Creek Pkwy @ Delta Community Credit Union Drwy</u>	Stop Controlled on EB Approach		
	-Eastbound Approach		B (12.3)	B (11.1)
	-Northbound Left		A (8.3)	A (7.8)

The results of existing traffic operations analysis indicate that the intersections of McGinnis Ferry Road at Johns Creek Parkway and Johns Creek Parkway at Delta Community Credit Union Driveway are operating at level of service “D” or better in both the AM and PM peak hours. The southbound approach of the intersection of McGinnis Ferry Road at Delta Community Credit Union Driveway is operating at level-of-service “F” in the AM peak hour. These areas are addressed in the Future Traffic Operations section.