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August 2, 2023

Mr. Scott Singleton  
Director of Transportation  
Town of Plainfield  
206 W. Main Street  
Plainfield, Indiana 46168

Re: Chick-fil-A  
Cambridge Way

Mr. Singleton,

At your request, I have reviewed the original traffic study, the revised memorandum, and the SimTraffic analysis provided to you by the petitioner. As currently planned the Chick-fil-A will have an inbound driveway on the north end of the site and an outbound driveway on the south end of the site. The southern driveway will be restricted to a right-out only. The traffic study was comprehensive in the fact that the study included several surrounding intersections including Cambridge Way and Manchester Drive located to the south of the site.

A&F Engineering has reviewed the trip generation, assignment and distribution, and traffic volumes that were generated for the traffic study and find them to be acceptable. The level of service provided in the report and memorandum show the surrounding intersections will work at acceptable levels. The queue length analysis for the internal storage of vehicles is acceptable, as well.

A review of the intersection of Cambridge Way and Manchester Drive has shown the southbound left turn lane is approximately 50 feet long. The southern driveway access for the site as presently planned will be within the left turn lane functional limits meaning that if two vehicles occupy the southbound left turn lane at the intersection, there will be no room for vehicles exiting the Chick-fil-A site to utilize the left turn lane. This would cause exiting vehicles to store on the site until the southbound left turn lane on Cambridge Way clears. If the delay exiting Chick-fil-A is significant, patrons could extend out onto Cambridge Way to wait for the left turn lane to clear. This would be an unacceptable maneuver because the southbound traffic on Cambridge Way may need to wait for exiting traffic to clear.

Based on the number of vehicles exiting the site and the proximity of the southern driveway access to the intersection of Cambridge Way and Manchester Drive, we do not recommend this driveway access to be located at this location. If the Town wishes to approve the driveway as located, we recommend it is designed as a right-out only by adding a raised median to prevent exiting vehicles from turning left onto Cambridge Way.

If you have any questions or concerns, please contact me.

Sincerely,

A&F Engineering Co., LLC



Steven J. Fehribach, P.E.

President