

February 12, 2025

City of Fort Pierce  
Planning Department  
100 N US Hwy 1  
Fort Pierce, FL 34950

## RE: Traffic Impact Report

### Change in Land Use

The existing 2,680 SF Burger King Fast Food Restaurant will be removed and replaced with a proposed 3,432 SF Chase Bank.

### Trip Generation Analysis

ITE Trip Generation Manual 11<sup>th</sup> Edition was used to determine the trip generation volumes for the existing fast-food restaurant and the proposed bank. The average rate equation was used to determine the trip rate as fitted curve equations were not available for the use. Based on the existing Fast-Food Restaurant with Drive-Through Window use, 1,253 daily vehicle trips, 136 AM peak hour trips and 137 PM peak hour trips are currently generated. While the proposed Drive-in Bank use will generate 344 daily vehicular trips, 51 AM peak hour trips, and 72 PM peak hour trips. Refer to the table below showing the existing and proposed use trip generation breakdown, along with the change in trips due to the land use change.

Condition	Land Use	Units	Daily Total	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Existing	934 - Fast Food Restaurant with Drive-Through Window	2.68 KSF	1253	70	66	136	70	67	137
Proposed	912 - Drive-in Bank	3.43 KSF	344	27	24	51	36	36	72
	Drop in Trips due to land use change		-909	-43	-42	-85	-34	-31	-65

### Summary and Recommendations:

Based on ITE trip generation manual 11<sup>th</sup> edition trip generation rates, the change in land use from a Fast-Food Restaurant with Drive-Through Window to a Drive-in Bank will result in a net reduction of 909 daily, 85 AM peak hour, and 65 peak hour vehicle trips. As such, no additional analysis is required.

Sincerely,

**BOHLER ENGINEERING**



Ryan Hileman, P.E. PMP  
Sr. Project Manager, Land Development