

December 28, 2023

**VIA EMAIL**

Paula Marie Pangilinan  
Onyx Equities, LLC  
One Gateway Center, Suite 2400  
Newark, New Jersey 07102

**RE: Plainsboro Plaza  
Chase Bank Traffic Generation Comparison  
10 Schalks Crossing Road  
Township of Plainsboro, Middlesex County  
BCG File No. 081045-01-003**

Dear Ms. Pangilinan:

As requested by the Township, we have prepared this letter report to quantitatively assess the traffic impacts of the proposed drive-thru bank. The proposed Chase pad site is to contain 3,478 square feet with one (1) drive-thru lane which will only provide ATM service. This pad site is located in the main parking field south of the Asian Food Market and west of CVS.

From a traffic generation perspective, we have examined this as an expansion of the shopping center use, which in our professional opinion is the appropriate methodology. The Institute of Transportation Engineers (ITE) defines shopping centers as an integrated group of commercial establishments that is planned, developed, owned, and managed as a unit. A shopping center of this size (>150k SF) typically contains more than retail merchandising facilities. Office space, a movie theater, restaurants, a post office, banks, a health club, and recreational facilities are common tenants. Each of the uses, existing and proposed, provides an opportunity for two or more uses to be visited during a single trip. The trip generation of a shopping center is less than the sum of the individual uses within the shopping center.

We have utilized the ITE Trip Generation Manual, 11<sup>th</sup> Edition to calculate the trip generation of the current (fully occupied) shopping center using the ITE Land Use Code 820 and the same land use code for the proposed condition with the addition of the bank. The results of this calculation are presented in Table 1. As shown in Table 1, it is calculated that there will be a nominal increase in traffic associated with the addition of the Chase bank. During the AM peak hour there would be 3 more trips; during the PM peak hour, 12 more trips; and during the Saturday peak hour 16 more trips. This is an increase in traffic of less than two percent (2%) during each of the peak hours. Therefore, this change in use will have no impact on traffic operations at the site driveways with the public roadway system or within the center itself.

Paula Marie Pangilinan  
Chase Bank Traffic Generation Comparison  
Plainsboro Plaza, Township of Plainsboro  
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In summary, the proposed bank pad containing 3, 478 square feet would have a negligible impact on traffic operations to the adjacent street system and intersections. From a traffic perspective the proposed bank would be a compatible use typically found in shopping centers and one that would not impact on the operations or function of the shopping center as a whole.

Sincerely,  
BOWMAN CONSULTING GROUP, LTD.



Digitally signed by Eric Keller  
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Vice President  
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Attachments

cc: Jason R. Tuvel, Esq.

**PLAINSBORO PLAZA****TABLE 1 - TRIP GENERATION COMPARISON**

12/28/2023

BCG File No. 081045-01-003

<u>WEEKDAY</u>									<u>SATURDAY</u>			
LAND USE	AMOUNT	AM PEAK HOUR			PM PEAK HOUR			ADT	ADT	PEAK HOUR		
		IN	OUT	TOTAL	IN	OUT	TOTAL			IN	OUT	TOTAL
TING												
Shopping Center >150K (Avg Rates)	228,294 SF	119	73	192	373	404	776	8449	10639	522	482	1004
POSED												
Shopping Center >150K (Avg Rates)	231,772 SF	121	74	195	378	410	788	8578	10801	530	490	1020
DIFFERENCE		2	1	3	6	6	12	129	162	8	8	16