Kimley»Horn

July 10, 2019

Mr. George Fletcher
Adache Group Architects
550 S Federal Highway
Ft. Lauderdale, FL 33301

RE: **_808 SE 4th Street - Traffic Generation Statement_**
Ft. Lauderdale, Florida
Kimley-Horn # 040879009

Dear George:

As requested, Kimley-Horn and Associates, Inc. has been retained to complete the following trip generation determination for the proposed residential redevelopment on a site located at 880 SE 4th Street in Fort Lauderdale, Florida. The project is proposed to be built on a site that contains 33 multifamily (low-rise) units. The proposed redevelopment plan will result in the construction of a multi-story building containing a total of 77 multifamily (high-rise) units.

Trip Generation

A trip generation determination was prepared to calculate the potential traffic generated by the proposed development. Rates and equations published by the Institute of Transportation Engineers (ITE) in the _Trip Generation Manual, Tenth Edition_, were used to determine the trips generated by the existing and proposed land uses. Equations for Multifamily (low-rise) [ITE 220] and Multifamily (high-rise) [ITE 222] were used for the daily, AM peak hour and PM peak hour trip generation calculations. _Table 1_ summarizes the trip generation calculation for this project.

TABLE 1 WEEKDAY TRIP GENERATION 808 SE 4th Street		DAILY TRIPS	AM PEAK HOUR			PM PEAK HOUR		
LAND USE	**INTENSITY**		**TOTAL**	**IN**	**OUT**	**TOTAL**	**IN**	**OUT**
Existing Development								
Multifamily (Low-Rise)	33 units	209	17	4	13	22	14	8
Subtotal		209	17	4	13	22	14	8
Driveway Volumes		209	17	4	13	22	14	8
Existing External Trips		**209**	**17**	**4**	**13**	**22**	**14**	**8**
Proposed Development								
Multifamily (High-Rise)	77 units	515	34	8	26	35	21	14
Subtotal		515	34	8	26	35	21	14
Driveway Volumes		515	34	8	26	35	21	14
Proposed External Trips		**515**	**34**	**8**	**26**	**35**	**21**	**14**
Trip Differential (Proposed - Existing):		**306**	**17**	**4**	**13**	**13**	**7**	**6**
Daily Trips								
Multifamily (Low-Rise)	[ITE 220] =	$T = 7.56(X) - 40.86$						
Multifamily (High-Rise)	[ITE 222] =	$T = 3.94(X) + 211.81$						
AM Peak Hour								
Multifamily (Low-Rise)	[ITE 220] =	$Ln(T) = 0.95*Ln(X) - 0.51$ (23% in, 77% out)						
Multifamily (High-Rise)	[ITE 222] =	$T = 0.28(X) + 12.86$ (24% in, 76% out)						
PM Peak Hour								
Multifamily (Low-Rise)	[ITE 220] =	$Ln(T) = 0.89*Ln(X) - 0.02$ (63% in, 37% out)						
Multifamily (High-Rise)	[ITE 222] =	$T = 0.34(X) + 8.56$ (61% in, 39% out)						

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As shown in *Table 1*, the proposed residential redevelopment site is expected to generate an increase of 306 net new external weekday daily trips, an increase of 17 net new external weekday AM peak hour trips (+4 inbound, +13 outbound), and an increase of 13 net new external weekday PM peak hour trips (+7 inbound, 6 outbound) in comparison to the existing site development. Even without applying any credit for existing development, the number of net new vehicle trips is below the 1,000 vehicle trips per day, which is below the threshold above which a full Traffic Impact Analysis (TIA) would be required under the City of Ft. Lauderdale's Unified land Development Regulations (ULDR) Section 47-25.2M(4). Therefore, no further analysis has been undertaken.

Please contact me via telephone at (561) 840-0248 or via e-mail at chris.heggen@kimley-horn.com should you have any questions regarding this evaluation.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.

Christopher W. Heggen, P.E.
Transportation Engineer

Florida Registration
Number 58636
Certificate of Authorization
Number CA00000696

This item has been electronically signed and sealed by Christopher W. Heggen, P.E. using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on electronic copies.

Christopher W
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