

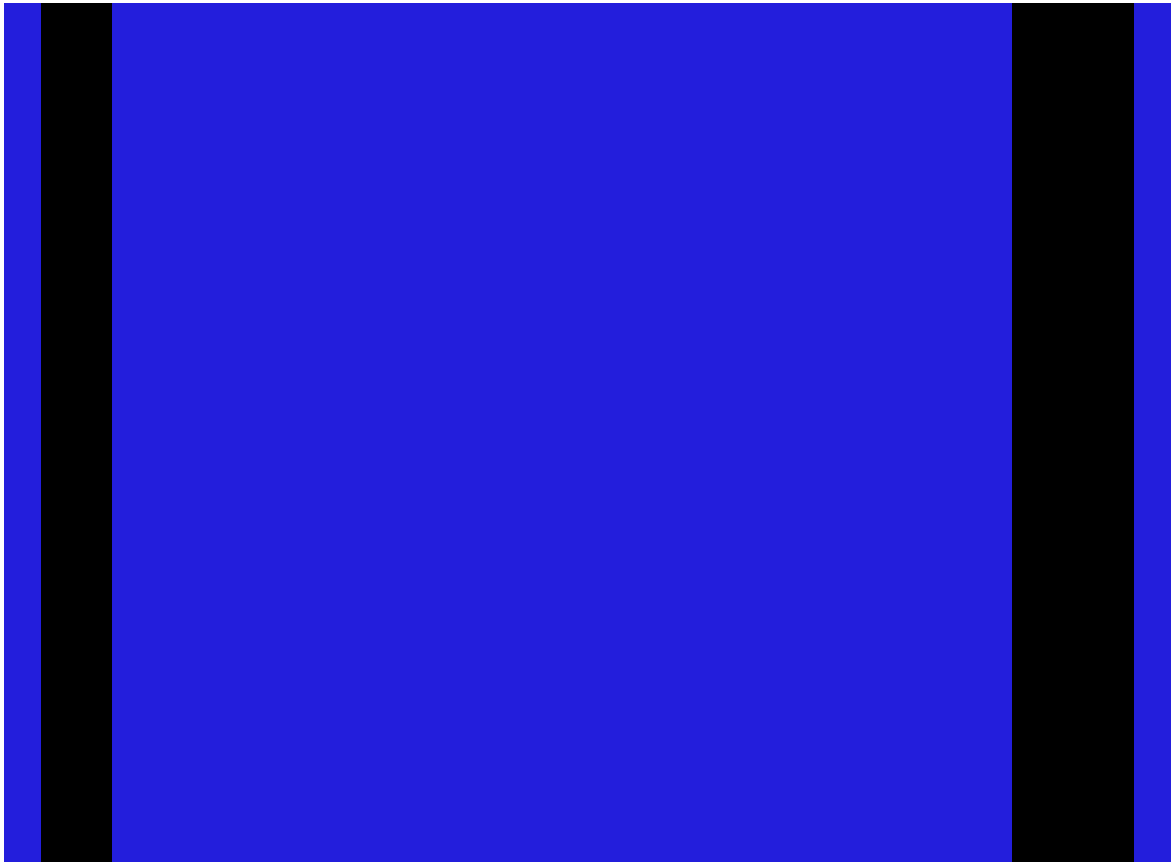


# Traffic Report

Document no: #1  
Revision: 1.0

Vandalay  
Parakeet Gumbo

Parakeet Gumbo  
July 11, 2025





## Traffic Report

**Client name:** Vandalay

**Project name:** Parakeet Gumbo

**Client reference:** Parakeet Gumbo

**Document no:** #1

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**Project no:** K40181368

**Project manager:** Ajit Abraham/Pedro Diaz

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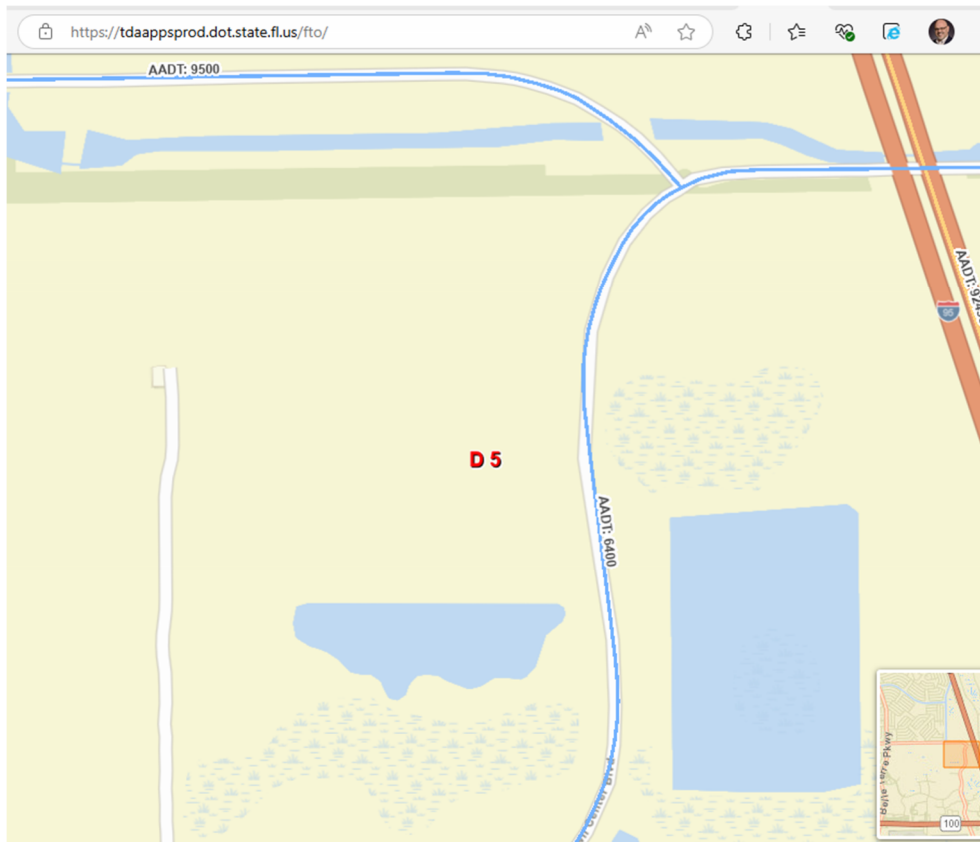
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## Report Summary


During operations there will be around 12 to 15 people per day staffing the facility. This would create approximately 15 people at 2 trips each for 30 (or less) trips per day (24/7 operations). Town Center Blvd by the facility has a 2024 traffic count of 6400 average annual daily traffic (AADT). The change in traffic will be a 0.47% increase in traffic, which is *de minimus*.

Similarly, during construction, peak traffic volume will occur while the site is being raised (dump trucks). About 33,000 cyd of soil is required. Assuming that it will take at quickest a month (30 d) to bring in the soil (sand) in 15-yd trucks, about  $2000/30 \times 2 = \sim 133$  trips per day. Add another 100 trips per day for the rest of the workers yields up to 233 trips. So, the peak use is up to, approximately, 250 trips per day during construction that will last 1 to 2 months (longer duration yields lower trip counts). A 250 to 6400 AADT increase is a 4% increase.

The highway capacity of a 2-lane, urban road depends on the amount of signalization. For a 50% signalization, the capacity LOS of B or less must exceed about 15,700 AADT (ref: FHA 2017, Simplified Highway Capacity Calculation Method for the Highway Performance Monitoring System, PL-18-003. [Simplified Highway Capacity Calculation Method for the Highway Performance Monitoring System](#)). This project will not increase the AADT during peak construction periods beyond 6,700 AADT, and operations will cause negligible increases because this is a low-use office building.



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## Simplified Highway Capacity Calculation Method for the Highway Performance Monitoring System

2017-10-15

By Margiotta, Richard A. ; Washburn, Scott S.

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Simplified Highway Capacity Calculation Method for the Highway Performance Monitoring System

Table 15. Signalized highway generalized service volume table.

Number Lanes	% Green Time	Speed Limit	Level of Service			
			B Service Volume	C Service Volume	D Service Volume	E Service Volume
2	40	35	12,800	14,900	16,400	18,700
		40	12,600	14,400	15,900	17,700
		45	12,000	14,200	15,500	17,400
		50	11,800	13,800	15,200	16,700
		55	12,300	14,100	15,400	16,900
		60	12,700	14,300	15,500	17,100
	45	35	14,600	16,900	18,500	21,100
		40	14,400	16,300	18,000	20,000
		45	13,900	16,100	17,600	19,700
		50	13,600	15,700	17,200	18,900
		55	14,200	16,000	17,400	19,100
		60	14,600	16,200	17,600	19,300
	50	35	16,500	18,900	20,700	23,600
		40	16,300	18,300	20,100	22,300
		45	15,700	18,100	19,600	22,000
		50	15,500	17,700	19,200	21,100