HALFF®

MEMORANDUM

TO:	Roman Plugge, PE	**DATE:**	June 8, 2021
FROM:	Stephen Moore, PE	**AVO:**	42113
EMAIL:	smoore@halff.com		
SUBJECT:	Prologis Waters Ridge trip generation		

The Prologis Waters Ridge development is an existing 244,000-square foot warehouse building located on the east side of Waters Ridge Drive between Bennett Lane and East Corporate Drive in Lewisville, Texas. The developer plans to expand the building by 62,205 square feet to a total of 306,205 square feet.

Halff Associates, Inc. (Halff) generated trips for the proposed expansion based on the difference between trips generated by the existing building (244,000 sf) and trips generated by the existing building plus the planned expansion (306,205 sf), using the Warehousing trip generation data from the current version of the Institute of Transportation Engineers' (ITE) *Trip Generation Manual*. Halff calculated Truck trips and Total Vehicle trips for the site. Table 1 below summarizes the trip generation calculations for the existing building (244,000 sf), the existing building plus expansion (306,205 sf), and the difference in trips between the existing conditions and the proposed conditions.

Table 1
Trip Generation – Prologis Waters Ridge

LAND USE	ITE CODE	UNITS	VEHICLE TYPE	AM PEAK HOUR			PM PEAK HOUR			24-HOUR
				IN	OUT	TOTAL	IN	OUT	TOTAL	TOTAL
Warehousing	150	244,000 sf	Truck	3	2	5	3	4	7	139
Warehousing	150	244,000 sf	Other	39	11	50	12	38	50	292
SUBTOTAL – Existing Building				*42*	*13*	*55*	*15*	*42*	*57*	*431*
Warehousing	150	306,205 sf	Truck	3	3	6	5	4	9	173
Warehousing	150	306,205 sf	Other	45	11	56	12	44	56	356
SUBTOTAL – Existing Building plus Expansion				*48*	*14*	*62*	*17*	*48*	*65*	*529*
Difference – Proposed-Existing			Truck	0	1	1	2	0	2	34
Difference – Proposed-Existing			Other	6	0	6	0	6	6	64
TOTAL INCREASE IN TRIPS DUE TO EXPANSION				**6**	**1**	**7**	**2**	**6**	**8**	**98**

The "other" vehicle trips, which represent non-truck trips generated by the site (passenger cars, etc.), were derived by subtracting the calculated Truck trips from the calculated Total vehicle trips.