What about traffic from this project on Deer Valley?

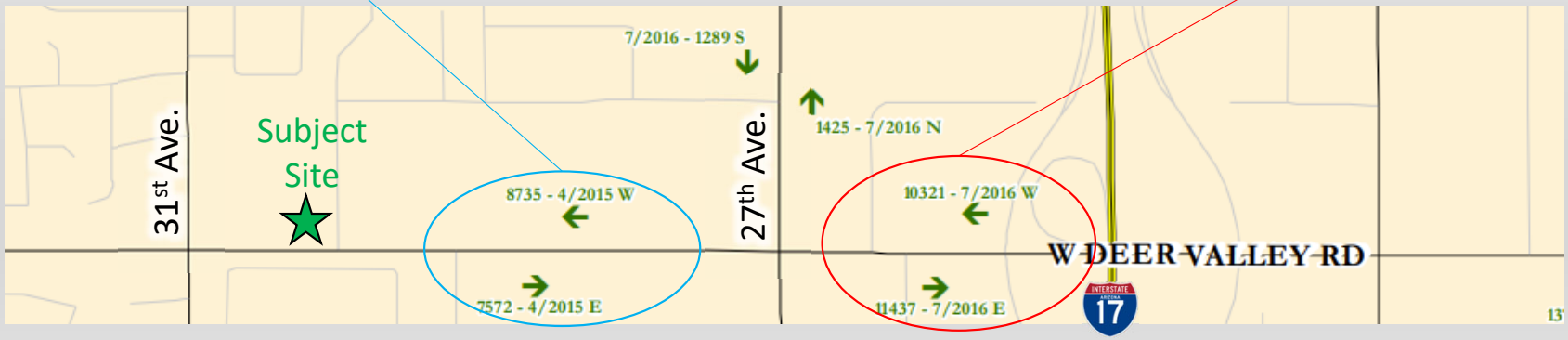
Arterial roadways have capacity to function smoothly with at least 10,000 trips per day, per lane. Deer Valley Road is built with two lanes each direction, which translates to at least 40,000 trips per day. On Deer Valley Road, east of 27th Avenue, the most recent city traffic counts show actual usage at about 54.3% of that number.

West of 27th Avenue, closer to the subject site, that usage percentage drops to 40.7%.

According to the City's Street Classification System document, arterial roadways have 2-3 lanes each way and typically carry between 15,000 and 50,000 trips per day.

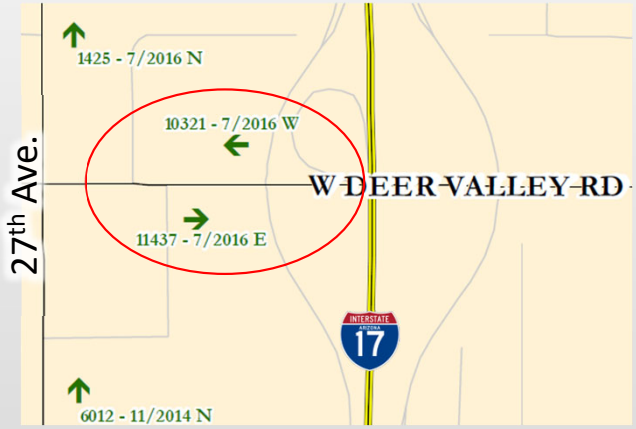
Deer Valley Rd. (west of 27th Ave.)
- ❑ 8,735 westbound (daily)
- ❑ 7,572 eastbound (daily)

Deer Valley Rd. (east of 27th Ave.)
- ❑ 10,321 westbound (daily)
- ❑ 11,437 eastbound (daily)

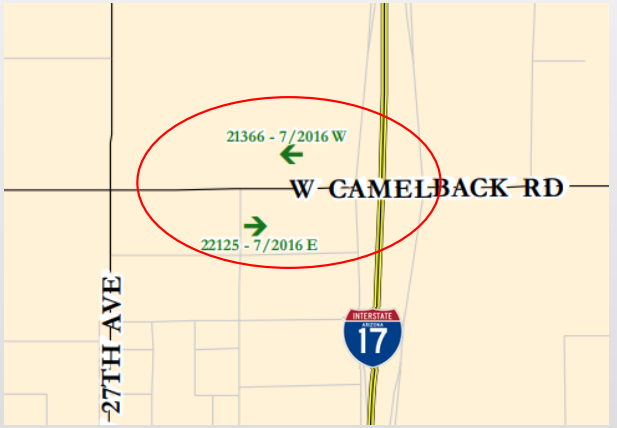


(SOURCE: CITY OF PHOENIX TRAFFIC VOLUME MAP)
-Figures normalized to represent an average day throughout the year.
-Green figures to the left of dash are trips per day and green figures to the right of dash are the month and date counts were taken

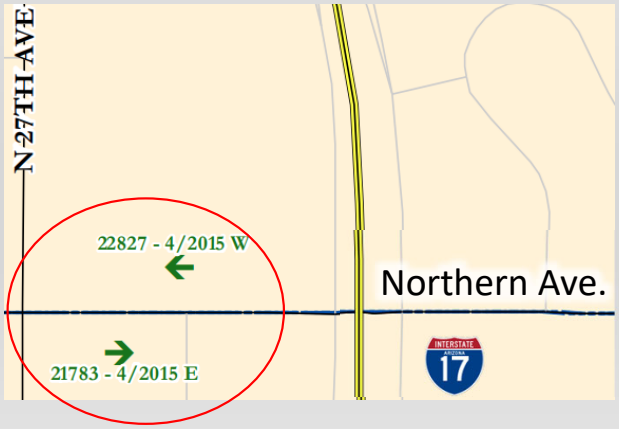
Compare the traffic volumes on Deer Valley Rd. to other arterial roadways that intersect with I-17. Based on the most recent data within the map, Deer Valley's volume is roughly half of what these other arterial roadways carry.



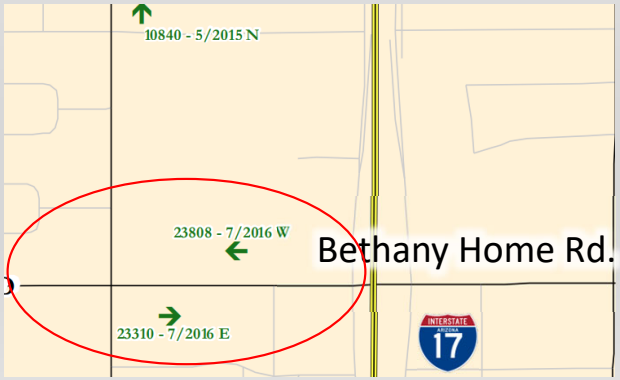
Deer Valley Rd.
-10,321 WEST (daily)
-11,437 EAST (daily)
-2 lanes each way



Camelback Rd.
-21,366 WEST (daily)
-22,125 EAST (daily)
-3 lanes each way



Northern Ave.
-22,827 WEST (daily)
-21,783 EAST (daily)
-3 lanes west
-2 lanes east



Bethany Home Rd.
-23,808 WEST (daily)
-23,2310 EAST (daily)
-3 lanes west
-2-3 lanes east

Greenlight
Traffic Engineering

August 6, 2024

Mr. Peter Schroeder
Development Associate
Roers Companies
110 Cheshire Ln, Suite 120
Minnetonka, MN 55305

Re: Deer Valley Multifamily Affordable Housing| Traffic Impact Statement
NWC Deer Valley & 30th Avenue, Phoenix, AZ 85015
APN 206-04-015A

1 INTRODUCTION

This Traffic Impact Statement (TIS) was prepared by Greenlight Traffic Engineering (Greenlight) for the proposed Deer Valley Multifamily Affordable Housing (Project) located on the northwest corner of Deer Valley Road and 30th Avenue in Phoenix, AZ (City), as shown in Figure 1. The Project site plan is shown in Figure 2.

This study's purpose is threefold: calculate anticipated site-generated trips from the Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th Edition, analyze potential impacts to the adjacent roadway network, and satisfy the City of Phoenix's technical report requirements.

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1 of 6

- ❑ **TRAFFIC STATEMENT FOR THIS SITE WAS APPROVED BY CITY.**
- ❑ **STATEMENT ESTIMATES ONLY 71 AM PEAK-HOUR TRIPS & 69 PM PEAK-HOUR TRIPS (I.E. TRIPS DURING THE BUSIEST HOUR IN THE MORNING AND THE EVENING)**
- ❑ **THAT TRANSLATES TO ABOUT 1.15 - 1.2 CARS PER MINUTE DURING RUSH HOURS**
- ❑ **PROJECTED TRIPS FROM PROJECT WOULD RAISE USAGE ON DEER VALLEY RD.:**
  - **EAST OF 27TH AVENUE: FROM 54.3% TO 56.11%***
  - **WEST OF 27TH AVENUE: FROM 40.7% TO 42.4%***

* **BASED ON THE PROJECT'S CITY-APPROVED TRAFFIC STATEMENT AND THE MOST RECENT DATA LISTED IN THE CITY'S TRAFFIC VOLUMES MAP**