

1500 West Bonanza Road

Proposed addition of 12 fueling positions to an existing convenience store with 12 fueling positions.

Traffic produced by proposed development:

Existing Use	DESCRIPTION	#UNIT	RATE/# UNIT	TOTAL
Average Daily Traffic (ADT)	CONVENIENCE STORE/GAS STATION [2-4 KSF] [VPH]	12	265.12	3,181
AM Peak Hour			16.06	193
PM Peak Hour			18.42	221

(heaviest 60 minutes)

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(heaviest 60 minutes)

Total Use	DESCRIPTION	#UNIT	RATE/# UNIT	TOTAL
Average Daily Traffic (ADT)	CONVENIENCE STORE/GAS STATION [2-4 KSF] [VPH]	24	265.12	6,362
AM Peak Hour			16.06	386
PM Peak Hour			18.42	442

Existing traffic on all nearby streets:

Bonanza Road	
Average Daily Traffic (ADT)	22,826
PM Peak Hour	1,826
(heaviest 60 minutes)	

Martin L. King Boulevard	
Average Daily Traffic (ADT)	51,329
PM Peak Hour	4,106
(heaviest 60 minutes)	

Traffic Capacity of adjacent streets:

	Adjacent street ADT Capacity
Bonanza Road	35,490
Martin L. King Boulevard	62,895

This project is expected to add an additional 3,181 trips per day on Bonanza Rd. and Martin L. King Blvd. Currently, Bonanza is at about 64 percent of capacity and Martin L. King is at about 82 percent of capacity. With this project, Bonanza is expected to be at about 73 percent of capacity and Martin L. King to be at about 87 percent of capacity.

Based on Peak Hour use, this development will add into the area roughly 221 additional peak hour trips, or about three every minute.

Note that this report assumes all traffic from this development uses all named streets.