

23-0540-SDR1

Brilliant International Academy, LLC

713 N. Eastern Avenue

Proposed conversion of a 28.375 thousand square foot office into a 140 student charter school.

Traffic produced by proposed development:

Existing Use	DESCRIPTION	#UNIT	RATE/# UNIT	TOTAL
Average Daily Traffic (ADT)	GENERAL OFFICE BUILDING [1000 SF]	28.375	18	511
AM Peak Hour			1.52	43
PM Peak Hour			1.44	41

(heaviest 60 minutes)

Proposed Use	DESCRIPTION	#UNIT	RATE/# UNIT	TOTAL
Average Daily Traffic (ADT)	CHARTER ELEMENTARY SCHOOL [STUDENTS]	140	2	280
AM Peak Hour			1.04	146
PM Peak Hour			0.16	22

(heaviest 60 minutes)

Net Change	DESCRIPTION	#UNIT	RATE/# UNIT	TOTAL
Average Daily Traffic (ADT)	NET CHANGE			-231
AM Peak Hour				102
PM Peak Hour				-18

*(heaviest 60 minutes)***Existing traffic on all nearby streets:****Charleston Boulevard**

Average Daily Traffic (ADT)	37,878
PM Peak Hour	3,030

*(heaviest 60 minutes)***Tenaya Way**

Average Daily Traffic (ADT)	7,276
PM Peak Hour	582

(heaviest 60 minutes)

Traffic Capacity of adjacent streets:

	Adjacent street ADT Capacity
Charleston Boulevard	59,900
Tenaya Way	16,380

This project is expected to remove about 231 trips per day on Charleston Blvd. and Tenaya Wy. Currently, Charleston is at about 63 percent of capacity and Tenaya is at about 44 percent of capacity. With this project, Charleston is expected to remain unchanged and Tenaya to be at about 43 percent of capacity.

Based on Peak Hour use, this development will add into the area roughly 102 additional peak hour trip, or about three every two minutes.

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