

SEC Searles Avenue & 27th Street

Proposed reconstruction and 100 student expansion of an existing 538 student public elementary school.

Traffic produced by proposed development:

Existing Use	DESCRIPTION	#UNIT	RATE/# UNIT	TOTAL
Average Daily Traffic (ADT)	ELEMENTARY SCHOOL [STUDENTS]	538	2	1,076
AM Peak Hour			0.74	398
PM Peak Hour			0.16	86

(heaviest 60 minutes)

Proposed Use	DESCRIPTION	#UNIT	RATE/# UNIT	TOTAL
Average Daily Traffic (ADT)	ELEMENTARY SCHOOL [STUDENTS]	638	2	1,276
AM Peak Hour			0.74	472
PM Peak Hour			0.16	102

(heaviest 60 minutes)

Net Change	DESCRIPTION	#UNIT	RATE/# UNIT	TOTAL
Average Daily Traffic (ADT)	NET CHANGE	100		200
AM Peak Hour				74
PM Peak Hour				16

(heaviest 60 minutes)

Existing traffic on all nearby streets:

Searles Avenue

Average Daily Traffic (ADT)	2,470
PM Peak Hour	198

(heaviest 60 minutes)

Eastern Avenue

Average Daily Traffic (ADT)	34,662
PM Peak Hour	2,773

(heaviest 60 minutes)

**Traffic Capacity of adjacent streets:**

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	Adjacent street ADT Capacity
Searles Avenue	13,104
Eastern Avenue	59,900

This project is expected to add an additional 200 trips per day on Searles Ave., 27th Street and Eastern Ave. Currently, Searles is at about 19 percent of capacity and Eastern is at about 58 percent of capacity. With this project, Searles is expected to be at about 20 percent of capacity and Eastern is expected to remain unchanged. Counts are not available for 27th Street, but it is believed to be under capacity.

Based on Peak Hour use, this development will add into the area roughly 74 additional peak hour trip, or about five every four minutes.

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