



Memorandum

To: Community Development

From: Public Works Department

Date: 09/06/2017

Subject: Red Sandstone Elementary School and Parking Structure

The Red Sandstone Elementary School will share a site with the proposed parking structure on Town of Vail property. The Eagle County School District operates the school under a lease agreement with the Town of Vail. Safety is both the School District's and Town's first priority. Per terms in the lease agreement, the Town and the District will meet annually (more frequently if necessary) to agree on the operations the structure. Currently the Town and District agree that access to the third level of the parking structure will be restricted during the school's am and pm peak traffic hours (7:30-8:30am and 2:30-3:30pm). 75% of the school generated traffic volume occurs within a 20 minute period during the peak hour. The 20 minutes leading up to when class starts in the morning and 20 minutes when the school day ends. The Elementary School has staff at the drop off/pick up area during the peak traffic hours monitoring the safety of the students. The parking structure will only be available to pass holders and not the general public paying upon arrival. The pass holders will be made aware of the structures operating hours when they purchase the pass. This management plan will limit the chance of general traffic crossing the school's drop off/pick up area during the peak times.

Attachments:

TAB Associates Site Circulation Safety Memo
May 4, 2017 Traffic Count Summary
August 23, 2017 Traffic Count Summary
Bar graph of Traffic activity

		Red Close/ Green Open/Blue School Open				Historic Pass	Staff	Pickup/Dropoff
	Time Frame	Level 1	Level 2	Level 3	Level 4	Traffic	Traffic	Traffic
Prior to Morning Drop Off	6:30am - 7:30am					27 (2)	36	
Morning Drop Off	7:30am - 8:30am					29 (6)	2	252*
Mid Day Traffic	8:30am - 2:30pm					105/ 20 Per Hour	No Data	
						In and out all 3 levels		
						3-4 per hour at school		
Pick Up Traffic	2:30 pm - 3:30pm					14 (26)	34	146*
After Pick Up	3:30pm - 5:00pm					19 (45)	2	55

* Number indicates total number of motor vehicles to pass through main intersection at RSES and W Frontage Rd.
This includes but is not limited to TOV Buses, School Buses, Eco Buses, faculty vehicles, and parent vehicles.

LEGEND

XXX(XXX)[XXX] = AM(Mid Afternoon)[PM]
Peak Hour Traffic Volumes

NOTE: Data collected on Thursday, May 4, 2017
except where noted

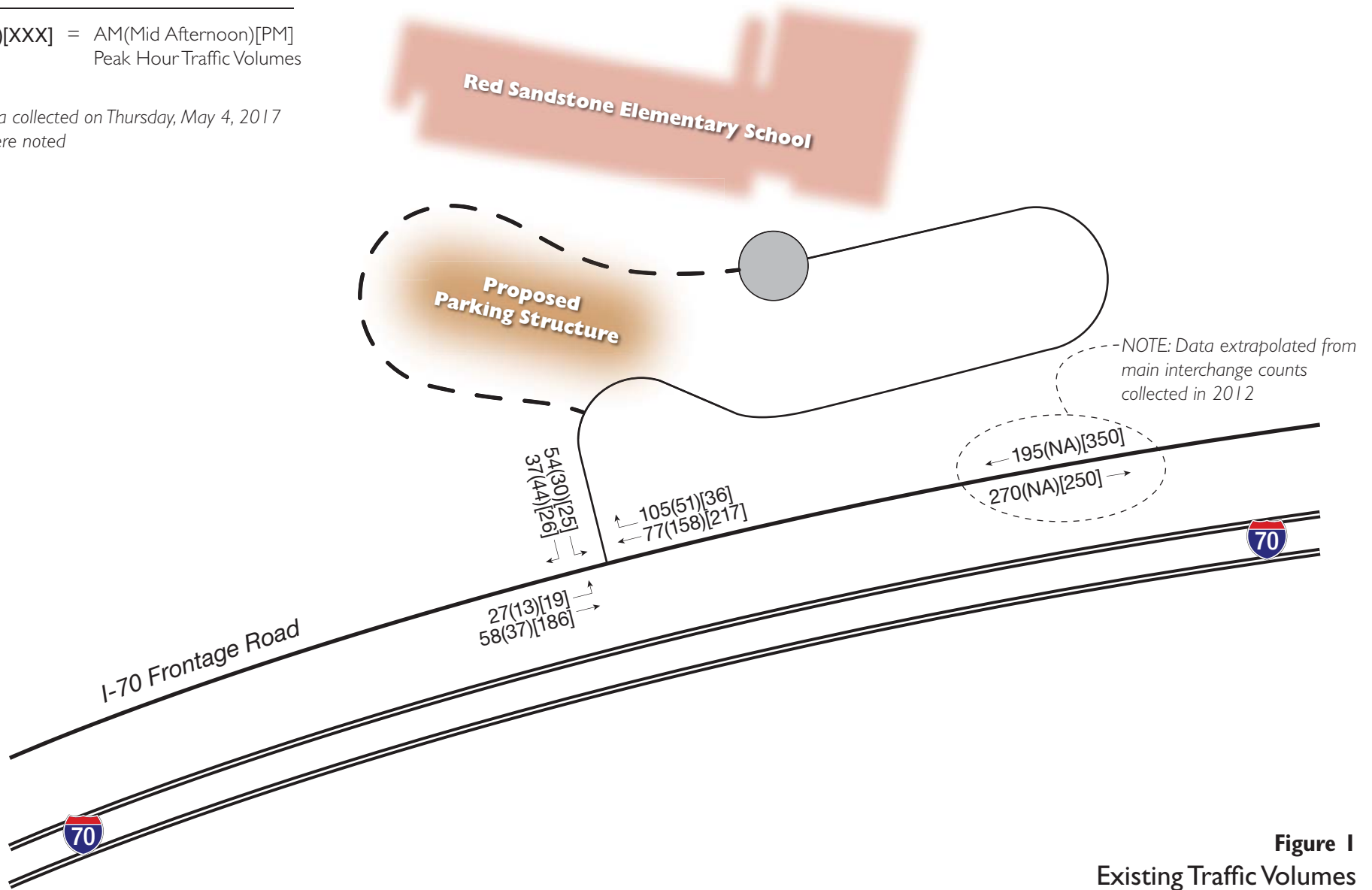


Figure 1
Existing Traffic Volumes



Red Sandstone Elem

Traffic Counts

08/23/2017

AM

Frontage Road

	EB	WB	LT In	RT In	Lt Out	Rt Out	Peds/Bikes
7:30	7	11	5	28	4	4	2
7:45	20	33	11	64	30	34	2
8:00	15	22	2	15	14	19	1
8:15	15	34	1	13	4	4	5
			19	120	52	61	

Peak concentration of vehicle dropoff 7:35-8:05

Frontage Road

PM

	EB	WB	LT In	RT In	Lt Out	Rt Out	
2:30	16	62	2	14	0	6	0
2:45	17	63	6	35	13	17	3
3:00	20	35	0	8	18	19	2
3:15	8	43	0	2	2	4	0
			8	59	33	46	

Peak concentration of vehicle pick up 2:40-3:10

WINTER PEAK BUS SCHEDULE

