

6345 S Jones Blvd, Suite 100
Las Vegas, NV 89118

April 2, 2013

Mr. Rick Schroder
Traffic Engineer
City of Las Vegas Public Works
333 North Rancho Drive
Las Vegas, Nevada 89106

Subject: Imagine School – 1951 South Rainbow Boulevard
Lochsa Engineering No. 7111

Dear Mr. Schroder,

Lochsa Engineering is currently assisting LAS consulting in securing construction permits for a private school located at 1951 South Rainbow Boulevard. The school shall be located on the northwest corner of Rainbow Boulevard and El Parque Avenue. The site is also referred to as Assessor's Parcel Number 163-03-703-001.

Referring to City of Las Vegas Title 19, the parking requirement for a school is 3 stalls per classroom. Based upon 8 classrooms a total of 24 parking stalls are required. The site currently has 19 parking stalls provided.

In order to determine that 19 stalls are adequate for the project, an existing Imagine school was observed on April 1 and 2nd during the hours of 7:00 AM through 7:00 PM. Based upon the observations there were a maximum of 22 stalls occupied excluding the pick up time of 3:00 PM. The existing school is located at 7885 West Rochelle Avenue. This school has 325 students enrolled. The proposed school will have 259 student capacity. The parking rate of the existing school is 0.067 stalls per student. For the new school the minimum recommended number of parking stalls is 18 stalls ($0.067 * 259 = 17.5$).

In addition, the schools pick up operations were reviewed. In order to determine the number of vehicles during the dismissal times, Somerset Academy located at 375 West Centennial Parkway was observed. This private school has 750 students and had 103 vehicles arrive for the dismissal bell.

In discussion with the school officials, the proposed school shall have two separate dismissal times. The first dismissal is scheduled for 2:45 and is intended for the Kindergarten Classes (115 students). The second bell will be at 3:00 PM for the First Grade Classes (115 students). The remaining 29 students are projected to be "after care" and are anticipated to be picked up between 3:15 PM to 6:00 PM.

Based upon the previous observations, the number of vehicles that can be expected for each bell time is 16 vehicles ($115 / 750 * 103 = 15.8$). Referring to the site plan 4 vehicles may be staged on site. This staging configuration shall have the western driveway as an entrance only and the eastern driveway as an exit only driveway. Staff

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will man the circulation patterns. It is proposed that the remaining 12 vehicles will be staged in existing on street parking on El Parque Avenue.

If you have any questions or comments, please contact our office at your convenience.

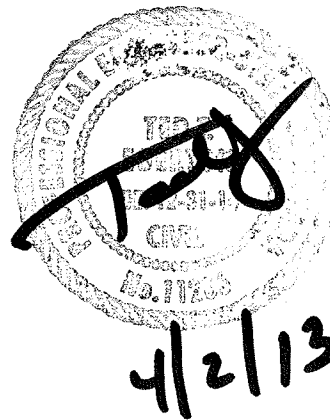
Sincerely,

LOCHSA ENGINEERING



Ted T. Egerton, P.E.

Attachments



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7885 Rochelle Avenue

1-Apr-13

325 students

TIME OCCUPIED STALLS

7:00 a.m.	1
8:00 a.m.	15
9:00 a.m.	21
10:00 a.m.	22
11:00 a.m.	22
12:00 p.m.	21
1:00 p.m.	22
2:00 p.m.	22
3:00 p.m.	Bell time
4:00 p.m.	10
5:00 p.m.	9
6:00 p.m.	1
7:00 p.m.	1

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7885 Rochelle Avenue

2-Apr-13

325 students

TIME

OCCUPIED STALLS

7:00 a.m.	7
8:00 a.m.	21
9:00 a.m.	22
10:00 a.m.	22
11:00 a.m.	22
12:00 p.m.	19
1:00 p.m.	21
2:00 p.m.	22
3:00 p.m.	Bell time
4:00 p.m.	8
5:00 p.m.	5
6:00 p.m.	1
7:00 p.m.	1

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Somerset Academy-Pick Up Queue Observations

	Enter	Enter Total	Exit	Exit Total	Queue
2:17	2	2	0		
	0	2	0	0	2
	0	2	0	0	2
2:20	0	2	0	0	2
	0	2	0	0	2
	0	2	1	1	1
	0	2	0	1	1
	0	2	0	1	1
2:25	0	2	0	1	1
	0	2	0	1	1
	1	3	0	1	2
	0	3	0	1	2
	0	3	0	1	2
2:30	0	3	0	1	2
	0	3	0	1	2
	0	3	0	1	2
	0	3	0	1	2
2:35	1	4	0	1	3
	2	6	0	1	5
	0	6	0	1	5
	0	6	0	1	5
	2	8	0	1	7
2:40	0	1	0	1	8
	0	0	0	1	8
	0	0	0	1	8
	1	0	0	1	8
	0	2	0	1	9
2:45	0	0	0	1	11
	0	0	0	1	11
	0	1	1	2	11
	0	0	0	2	11
	0	0	1	3	10
	0	2	0	3	12
2:50	0	2	0	3	14
	2	4	0	3	20
	0	1	0	3	21
	1	1	0	3	23
	3	1	0	3	27
2:55	1	0	0	3	28
	0	2	1	4	29
	1	1	0	4	31
	0	2	0	4	33
	1	2	0	4	36
3:00	0	1	0	4	37
	1	1	0	4	39
	1	3	0	4	43
	2	1	0	4	46
	1	4	1	5	50
3:15	3	5	0	5	58
	4	6	0	5	68
	1	1	0	5	70
	1	1	0	5	72
	3	0	0	5	75
3:20	1	1	0	5	77
	3	1	0	5	81
	5	0	0	5	86
	2	0	0	5	88
	3	5	0	5	96
3:25	5	1	0	5	102
	3	3	4	9	104
	2	2	5	14	103
	4	0	6	20	101
	1	4	9	29	97
3:30	3	3	12	41	91
	1	6	14	55	84
	3	3	15	70	75
	2	1	14	84	64
	1	1	13	97	53
3:35	4	0	12	109	45
	3	1	9	118	40
	2	2	10	128	34
	0	0	11	139	23
	1	0	9	148	15
3:40	0	0	5	153	10
	0	163	0	153	10

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