

December 16, 2019

Ms. Cheryl A. Tubbs
 Lilburn Corporation
 1905 Business Center Drive
 San Bernardino, CA 92408

SUBJECT: JS 63 MX FAIR SHARE CALCULATION MEMO

Dear Ms. Cheryl A. Tubbs:

Urban Crossroads, Inc. is pleased to provide the following Fair Share Calculation Memo for JS 63 MX development which is located in the County of Riverside. The purpose of this work effort is to assess the potential changes in fair share associated with the update to the trip generation for the Project.

The Project was recently assessed for traffic impacts in the *JS 63 MX Traffic Impact Analysis* (prepared by Urban Crossroads referred to as “Traffic Study”). The Project is proposed to consist of various tracks, approximately six structures, and five parking lots.

TRAFFIC STUDY TRIP GENERATION

The previous project traffic analysis was prepared on August 2, 2019 (JS 63 MX Traffic Impact Analysis, Urban Crossroads, Inc., referred to as Traffic Study). The traffic study utilized count data from Milestone MX raceway and Glen Helen Raceway to determine trip generation for the proposed Project. As shown in Table 1, the previous Traffic Study concluded that the Project would generate 86 actual vehicle typical weekend mid-day peak hour trips and 175 actual vehicle special event weekend peak hour trips.

TABLE 1: TRAFFIC STUDY PROJECT TRIP GENERATION SUMMARY

Land Use	Typical Saturday Peak Hour			Special Event Saturday Peak Hour		
	In	Out	Total	In	Out	Total
Ethanac Road Motorcycle Park						
Total (Actual Vehicles):	77	9	86	158	17	175

PERRIS RACEWAY TRIP GENERATION

The County of Riverside requested that new count data be utilized to estimate the Project trip generation. Traffic data was collected for Perris Raceway during a typical Saturday and a special event weekend. The count data for the proposed Project is provided in Attachment A. As shown in Table 2, the Project would generate 53 actual vehicle typical weekend mid-day peak hour trips and 138 actual vehicle special event weekend peak hour trips.

TABLE 2: PROPOSED PROJECT TRIP GENERATION SUMMARY

Land Use	Typical Saturday Peak Hour			Special Event Peak Hour		
	In	Out	Total	In	Out	Total
Perris Raceway						
Total (Actual Vehicles):	16	37	53	5	133	138

FAIR SHARE CALCULATION

As the intersection of SR-74 and Ethanac Road is currently operating at unacceptable LOS and will continue to operate at unacceptable LOS with the addition of Project traffic, the Project’s fair share cost of improvements is determined based on the following equation, which is the ratio of Project traffic to total traffic, and total traffic is total future traffic:

$$\text{Project Fair Share \%} = \text{Project Traffic} / \text{EAPC (2020) Total Traffic}$$

As shown in Table 3, the estimate Project fair share calculation is approximately 6.5% for the improvements to SR-74 & Ethanac Road.

TABLE 3: PROJECT FAIR SHARE CALCULATIONS

#	Intersection	Existing	Project	2020 With Project Volume	Project % of Total Traffic
3	SR-74 & Ethanac Rd.				
	Typical Saturday:	1,819	54	2,084	2.6%
	Special Event Saturday:	1,819	140	2,170	6.5%

BOLD = Denotes highest fair share percentage

If you have any questions, please contact me directly at (949) 336-5992.

Respectfully submitted,

URBAN CROSSROADS, INC.



Pranesh Tarikere, PE
 Senior Engineer

**ATTACHMENT A:
COUNT DATA**



City: Perris
 Location: Perris Raceway
 Date: Saturday 11/23/2019
 Count Type: Driveway Counts

Burton Driveway			
	Entering	Exiting	Total
7:00	1	0	1
7:15	0	0	0
7:30	0	0	0
7:45	2	0	2
8:00	7	0	7
8:15	2	1	3
8:30	6	0	6
8:45	11	0	11
9:00	8	1	9
9:15	11	2	13
9:30	8	1	9
9:45	13	0	13
10:00	7	0	7
10:15	8	1	9
10:30	8	1	9
10:45	6	1	7
11:00	2	2	4
11:15	2	1	3
11:30	3	7	10
11:45	3	2	5
12:00	2	8	10
12:15	3	5	8
12:30	1	5	6
12:45	4	4	8
13:00	3	11	14
13:15	4	9	13
13:30	1	10	11
13:45	1	5	6
14:00	2	10	12
14:15	1	16	17
14:30	0	7	7
14:45	0	1	1
15:00	2	0	2
15:15	1	3	4
15:30	1	1	2
15:45	1	0	1
16:00	0	1	1
16:15	1	2	3
16:30	1	0	1
16:45	3	1	4
TOTAL	140	119	259

Fisher Driveway			
	Entering	Exiting	Total
7:00	0	0	0
7:15	0	0	0
7:30	0	0	0
7:45	0	0	0
8:00	0	0	0
8:15	0	0	0
8:30	0	0	0
8:45	0	0	0
9:00	0	0	0
9:15	0	0	0
9:30	0	0	0
9:45	0	0	0
10:00	0	0	0
10:15	0	1	1
10:30	0	0	0
10:45	1	0	1
11:00	0	0	0
11:15	0	0	0
11:30	0	0	0
11:45	0	0	0
12:00	0	0	0
12:15	0	0	0
12:30	0	0	0
12:45	0	0	0
13:00	3	0	3
13:15	0	1	1
13:30	1	2	3
13:45	0	0	0
14:00	0	0	0
14:15	0	0	0
14:30	0	0	0
14:45	0	0	0
15:00	0	0	0
15:15	0	0	0
15:30	0	0	0
15:45	0	0	0
16:00	0	0	0
16:15	0	0	0
16:30	0	0	0
16:45	0	0	0
TOTAL	5	4	9

TOTAL			
	Entering	Exiting	Total
7:00	1	0	1
7:15	0	0	0
7:30	0	0	0
7:45	2	0	2
8:00	7	0	7
8:15	2	1	3
8:30	6	0	6
8:45	11	0	11
9:00	8	1	9
9:15	11	2	13
9:30	8	1	9
9:45	13	0	13
10:00	7	0	7
10:15	8	2	10
10:30	8	1	9
10:45	7	1	8
11:00	2	2	4
11:15	2	1	3
11:30	3	7	10
11:45	3	2	5
12:00	2	8	10
12:15	3	5	8
12:30	1	5	6
12:45	4	4	8
13:00	6	11	17
13:15	4	10	14
13:30	2	12	14
13:45	1	5	6
14:00	2	10	12
14:15	1	16	17
14:30	0	7	7
14:45	0	1	1
15:00	2	0	2
15:15	1	3	4
15:30	1	1	2
15:45	1	0	1
16:00	0	1	1
16:15	1	2	3
16:30	1	0	1
16:45	3	1	4
TOTAL	145	123	268

City: Perris
 Location: Perris Raceway
 Date: Sunday 11/24/19
 Count Type: Driveway Counts

Burton Driveway			
	Entering	Exiting	Total
5:00	0	0	0
5:15	1	0	1
5:30	0	0	0
5:45	1	0	1
6:00	19	0	19
6:15	7	0	7
6:30	18	0	18
6:45	23	1	24
7:00	26	1	27
7:15	30	0	30
7:30	21	0	21
7:45	11	2	13
8:00	26	0	26
8:15	8	1	9
8:30	9	0	9
8:45	14	1	15
9:00	14	1	15
9:15	10	0	10
9:30	9	0	9
9:45	12	2	14
10:00	5	3	8
10:15	9	3	12
10:30	3	1	4
10:45	4	1	5
11:00	5	3	8
11:15	4	2	6
11:30	1	3	4
11:45	3	6	9
12:00	0	3	3
12:15	4	6	10
12:30	3	4	7
12:45	2	2	4
13:00	5	9	14
13:15	3	15	18
13:30	2	7	9
13:45	0	13	13
14:00	0	24	24
14:15	0	32	32
14:30	1	26	27
14:45	4	32	36
15:00	0	24	24
15:15	1	17	18
15:30	2	27	29
15:45	1	6	7
16:00	0	31	31
16:15	0	8	8
16:30	0	2	2
16:45	0	5	5
TOTAL	321	324	645

Fisher Driveway			
	Entering	Exiting	Total
5:00	0	0	0
5:15	0	0	0
5:30	0	0	0
5:45	0	0	0
6:00	0	0	0
6:15	0	0	0
6:30	0	0	0
6:45	0	0	0
7:00	0	0	0
7:15	0	0	0
7:30	0	0	0
7:45	0	0	0
8:00	0	0	0
8:15	0	0	0
8:30	0	0	0
8:45	0	0	0
9:00	0	0	0
9:15	0	0	0
9:30	0	0	0
9:45	0	0	0
10:00	0	0	0
10:15	0	1	1
10:30	0	0	0
10:45	0	0	0
11:00	0	0	0
11:15	0	0	0
11:30	0	0	0
11:45	0	0	0
12:00	0	0	0
12:15	0	0	0
12:30	0	0	0
12:45	0	0	0
13:00	0	0	0
13:15	0	0	0
13:30	0	1	1
13:45	0	1	1
14:00	0	6	6
14:15	0	4	4
14:30	0	5	5
14:45	0	4	4
15:00	0	0	0
15:15	0	0	0
15:30	0	1	1
15:45	0	0	0
16:00	0	0	0
16:15	0	0	0
16:30	0	0	0
16:45	0	0	0
TOTAL	0	23	23

TOTAL			
	Entering	Exiting	Total
5:00	0	0	0
5:15	1	0	1
5:30	0	0	0
5:45	1	0	1
6:00	19	0	19
6:15	7	0	7
6:30	18	0	18
6:45	23	1	24
7:00	26	1	27
7:15	30	0	30
7:30	21	0	21
7:45	11	2	13
8:00	26	0	26
8:15	8	1	9
8:30	9	0	9
8:45	14	1	15
9:00	14	1	15
9:15	10	0	10
9:30	9	0	9
9:45	12	2	14
10:00	5	3	8
10:15	9	4	13
10:30	3	1	4
10:45	4	1	5
11:00	5	3	8
11:15	4	2	6
11:30	1	3	4
11:45	3	6	9
12:00	0	3	3
12:15	4	6	10
12:30	3	4	7
12:45	2	2	4
13:00	5	9	14
13:15	3	15	18
13:30	2	8	10
13:45	0	14	14
14:00	0	30	30
14:15	0	36	36
14:30	1	31	32
14:45	4	36	40
15:00	0	24	24
15:15	1	17	18
15:30	2	28	30
15:45	1	6	7
16:00	0	31	31
16:15	0	8	8
16:30	0	2	2
16:45	0	5	5
TOTAL	321	347	668