

July 28, 2020

Ms. Joann Lombardo  
COMPREHENSIVE PLANNING SERVICES  
2916 Clay Street  
Newport Beach, CA 92663

**Subject: South Van Buren Street / East Orangethorpe Avenue Residential Development Vehicle Miles Traveled Analysis, City of Placentia**

Dear Ms. Lombardo

**Introduction**

RK ENGINEERING GROUP, INC. (RK) is pleased to provide this vehicle miles traveled (VMT) analysis for the proposed South Van Buren Street / East Orangethorpe Avenue Residential Development (project), located in the City of Placentia.

A project location map is provided in Exhibit A.

The proposed project consists of constructing and operating 139 dwelling units of multi-family housing.

The site plan for the project is provided in Exhibit B.

**Vehicle Miles Traveled (VMT)**

In response to Senate Bill (SB) 743, the California Natural Resource Agency certified and adopted new CEQA Guidelines in December 2018 which now identify Vehicle Miles Traveled (VMT) as the most appropriate metric to evaluate a project's transportation impact under CEQA (§ 15064.3).

Effective July 1, 2020, the previous CEQA metric of level of service (LOS), typically measured in terms of automobile delay, roadway capacity and congestion, generally will no longer constitute a significant environmental impact.

The City of Placentia is still in the process of adopting criteria for evaluating VMT impacts under CEQA; including the preferred analysis methodology and thresholds of significance. Per Section 15064.3 (b)(3) of the CEQA Guidelines, a qualitative analysis is allowable if existing models or methods are not available to estimate the vehicle miles traveled for the particular project being considered.

For purposes of this study, the VMT analysis methodology and significance criteria is based on the requirements described in Section 21099 of the Public Resources Code and the California Governor's Office of Planning and Research (OPR) Technical Advisory on Evaluating Transportation Impacts in CEQA (OPR Advisory). The criteria for determining the significance of transportation impacts is based on the following:

- a. Reducing greenhouse gas emissions
  - b. Development of diversifying land uses
  - c. Promoting multimodal transportation
- a. Reducing Greenhouse Gas Emissions

Greenhouse gas (GHG) emissions have been quantified and analyzed in the *Van Buren & Orangethorpe Residential Development Air Quality and Greenhouse Gas Impact Study, June 24, 2020, prepared by RK (GHG Analysis)*. The GHG analysis found that the proposed project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment. The mobile source GHG emissions generated by project VMT were quantified in the GHG Analysis, and it was shown that the project would generate approximately 1,386.32 metric tons of carbon dioxide equivalent (CO<sub>2</sub>e) annually from VMT. The mobile source GHG emissions are 54% below the applicable threshold of significance for GHG. Thus indicating that the project's contribution to VMT, which is directly correlated to GHG emissions, would not lead to a significant impact under CEQA.

Furthermore, the GHG analysis found that the proposed project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing GHG emissions.

Therefore, based on the GHG emissions analysis, VMT would not contribute to a significant impact to GHG.

b. Development of Diversifying Land Uses

Section 21099 of the California Public Resources Code states that the criteria for determining the significance of transportation impacts must promote a diversity of land uses.

The California Air Pollution Control Officers Association (CAPCOA) Quantifying Greenhouse Gas Mitigation Measures, August 2010 report recognizes that by diversifying land uses, such as providing more housing and increasing density, land use development can achieve up to 30% reduction in VMT. Increased densities affect the distance people travel and provide greater options for the mode of travel they choose.

The Transportation Research Board (TRB) Special Report 298 literature suggests that doubling neighborhood density across a metropolitan area might lower household VMT by about 5 to 12 percent.

The project would increase the allowable zoning to R-3, High Density Multiple-Family, and as a result, the project would increase the population density of the site as compared to the existing surrounding neighborhood.

Therefore, as a result of the increased housing diversity and density, the project would help to reduce VMT compared to a single use low density development, such as the former industrial use. Per the CEQA Guidelines, if the project results in a decrease in VMT in the project area compared to existing conditions, then it should be presumed to have a less than significant transportation impact.

c. Promote Multimodal Transportation

The project will promote multimodal transportation by locating near several different transit lines and bicycle routes.

Table 1 shows the project's location to existing and proposed multimodal transportation facilities.

**Table 1**  
**Multimodal Transportation**

Facility	Proximity to Project
<i>Transit Services</i>	
OCTA Bus Route 30	Less than 500 feet (Van Buren / Orangethorpe)
OCTA Bus Route 38	~0.6 miles (Van Buren / La Palma)
OCTA Bus Route 71	~0.6 miles (Tustin / Orangethorpe)
Metrolink Anaheim Canyon Station - Inland Empire-Orange County Line	~1.0 miles
Metrolink Placentia Station (future) 91/Perris Valley Line	~2.6 miles
<i>Bikeways</i>	
Orangethorpe Avenue – Class II (Proposed)	Less than 500 feet
OCFCD Attwood Channel – Class I (Proposed)	Less than 500 feet
Miraloma Avenue (w/o Van Buren) - Class II	~0.3 miles
Santa Ana River Trail – Class I	~1.25 miles

The project will provide high density housing within close proximity to several different multimodal transportation facilities, thus providing future residents with several options for utilizing alternative modes of travel and promoting multimodal transportation.

Furthermore, to help promote multimodal transportation, the project will be required to pay development impact fees which contribute to citywide capital improvement projects that include active transportation projects.

Therefore, the project would promote multimodal transportation and may be presumed to have a less than significant transportation impact.

### **Transportation Demand Management Strategies**

The project will provide the following transportation demand management (TDM) strategies and design features to help further reduce single occupancy vehicle trips and decrease vehicle miles traveled.

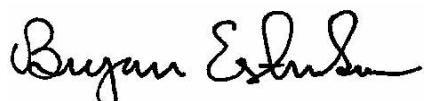
1. Electric vehicle charging spaces will be provided, per California Building Standards requirements.
2. On-site and off-site pedestrian connections will be provided to serve the project site.

### **Conclusion**

Based upon this qualitative review, the proposed South Van Buren Street / East Orangethorpe Avenue Residential Development project is not expected to cause a significant impact to VMT. **The project's impact is considered less than significant.**

RK Engineering Group, Inc. appreciates this opportunity to work with COMPREHENSIVE PLANNING SERVICES on this project. If you have any questions regarding this study, please do not hesitate to contact us at (949) 474-0809.

Sincerely,  
RK ENGINEERING GROUP, INC.



Bryan Estrada, AICP, PTP  
Senior Associate

Attachments:

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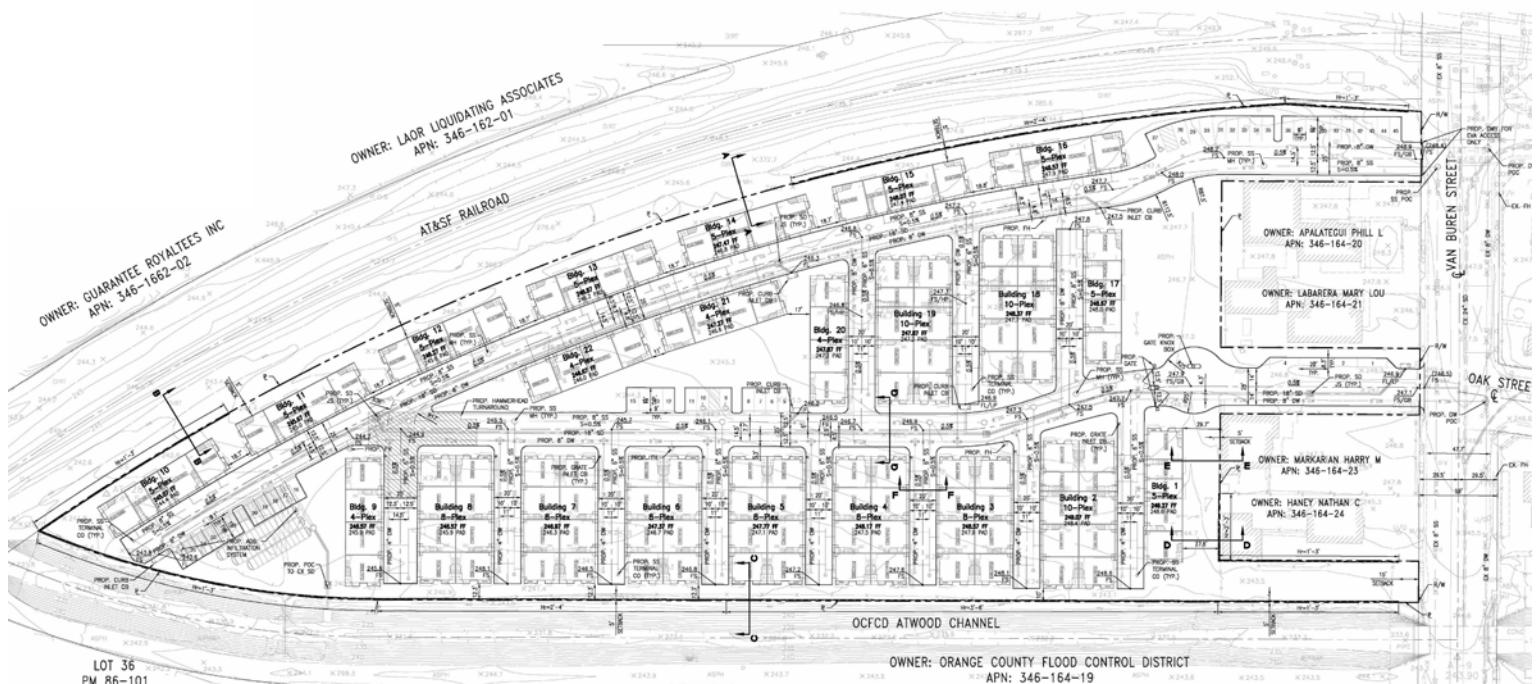
## **Attachments**

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Exhibit A  
Location Map



Exhibit B  
Site Plan



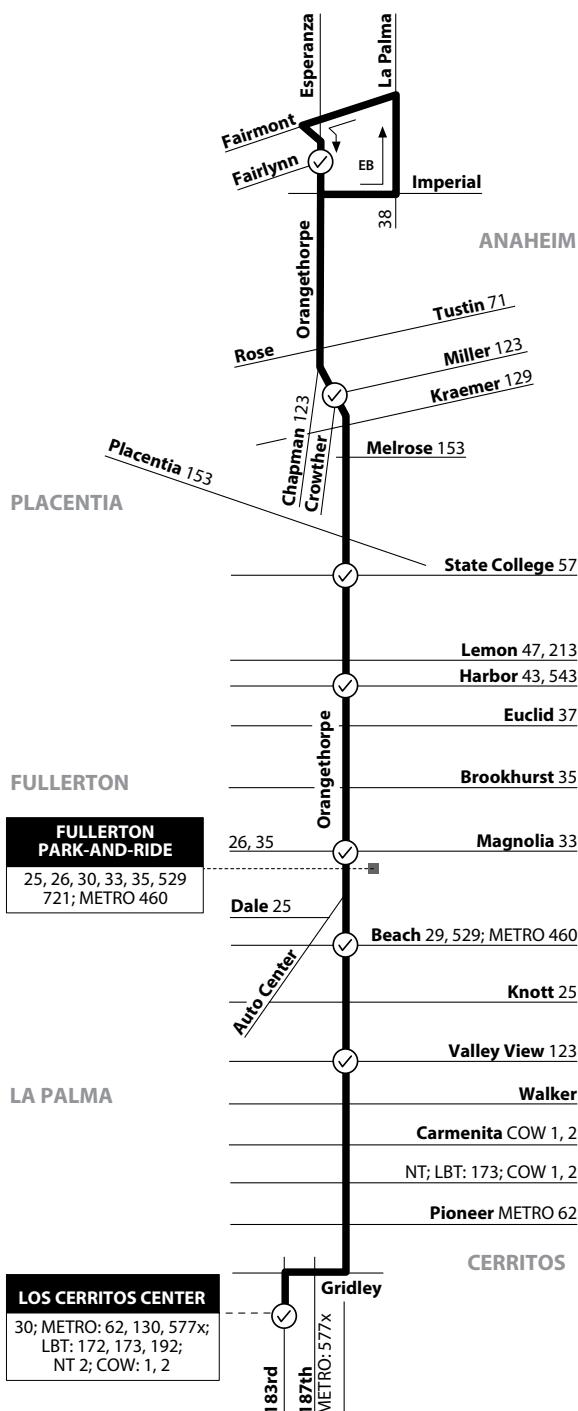
**Attachment A**  
Multimodal Transportation Information



# 30

## Cerritos to Anaheim

via Orangethorpe Ave



**LEGEND** **LEYENDA**

Scheduled Departure   Regular Routing

COW = Cerritos On Wheels | LBT = Long Beach Transit |  
NT = Norwalk Transit | METRO = Los Angeles Metro

MAP NOT TO SCALE

Numbers on streets indicate transfers. Números en la calle indican transbordos.

**Monday - Friday**  
**EASTBOUND To: Anaheim**

Los Cerritos Center	Orangethorpe & Valley View	Orangethorpe & Beach	Orangethorpe & Magnolia	Orangethorpe & Harbor	Orangethorpe & State College	Orangethorpe & Crowthier	Esperanza & Fairlynn
4:14	4:25	4:30	4:34	4:44	4:51	4:58	5:15
4:39	4:50	4:55	4:59	5:09	5:16	5:23	5:40
5:03	5:14	5:20	5:24	5:34	5:42	5:49	6:09
5:28	5:39	5:45	5:49	5:59	6:07	6:14	6:34
5:52	6:05	6:12	6:17	6:29	6:37	6:44	7:04
6:17	6:33	6:40	6:46	6:59	7:07	7:16	7:39
6:47	7:03	7:10	7:16	7:29	7:37	7:46	8:09
7:11	7:28	7:37	7:43	7:59	8:08	8:18	8:40
7:46	8:03	8:10	8:16	8:29	8:37	8:45	9:05
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8:46	9:03	9:10	9:16	9:29	9:37	9:45	10:04
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10:46	11:04	11:11	11:17	11:29	11:38	11:46	12:07
11:16	11:34	11:41	11:47	11:59	12:08	12:16	12:37
11:46	12:04	12:11	12:17	12:29	12:38	12:46	1:07
12:16	12:34	12:41	12:47	12:59	1:08	1:16	1:37
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1:16	1:34	1:41	1:47	1:59	2:08	2:16	2:37
1:46	2:04	2:11	2:17	2:29	2:38	2:46	3:08
2:16	2:34	2:41	2:47	2:59	3:08	3:16	3:38
2:37	2:58	3:06	3:12	3:24	3:33	3:41	4:04
3:03	3:24	3:32	3:38	3:50	3:59	4:07	4:30
3:29	3:50	3:58	4:04	4:16	4:25	4:33	4:56
3:55	4:16	4:24	4:30	4:42	4:51	4:59	5:22
4:25	4:46	4:54	5:00	5:12	5:21	5:29	5:52
4:55	5:16	5:24	5:30	5:42	5:51	5:59	6:22
5:25	5:46	5:54	6:00	6:12	6:21	6:29	6:52
5:57	6:17	6:25	6:30	6:42	6:50	6:57	7:18
6:27	6:47	6:55	7:00	7:12	7:20	7:27	7:48
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9:01	9:18	9:24	9:28	9:37	9:44	9:50	10:09
9:31	9:48	9:54	9:58	10:07	10:14	10:20	10:39
10:15	10:30	10:35	10:39	10:47	10:53		

**SERVICE TO / SERVICIO A**

**Anaheim**

- Esperanza High School
- Anaheim Canyon Business Center

**Placentia**

- El Camino Real High School

**Fullerton**

- Orangefair Mall
- Fullerton Park-and-Ride
- Nicolas Junior High School

**Buena Park**

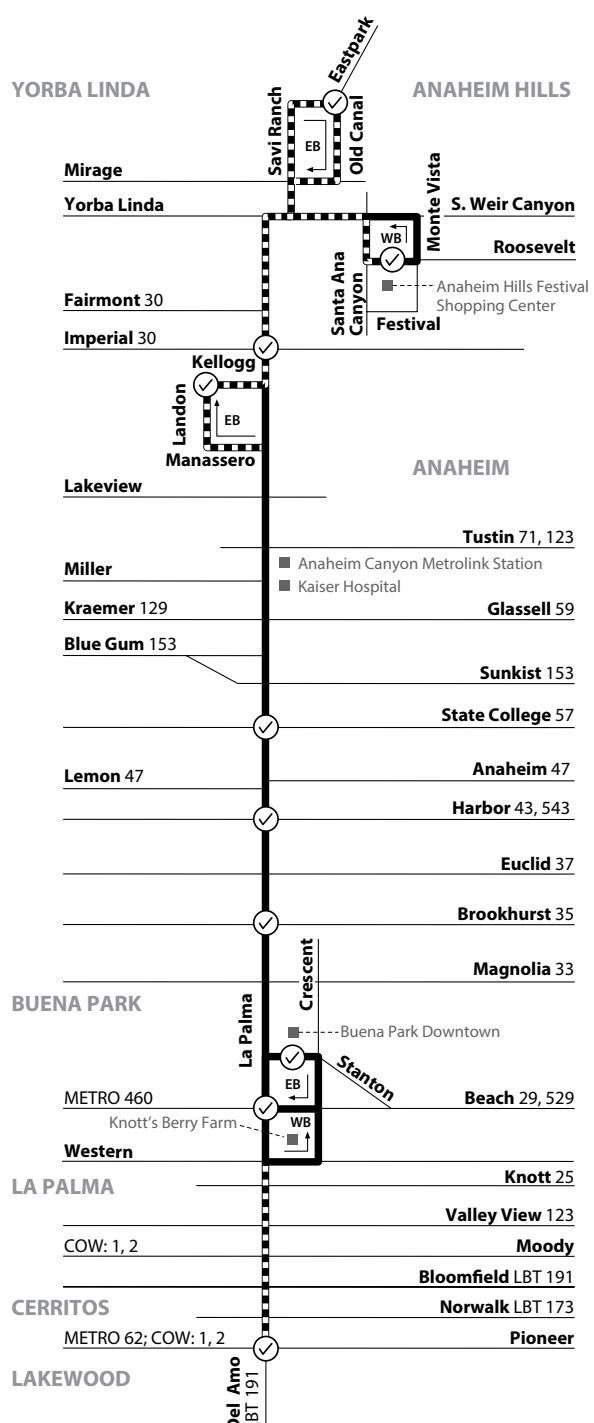
- Buena Park High School
- Buena Park Junior High School

**La Palma**

**Cerritos**

- Los Cerritos Center



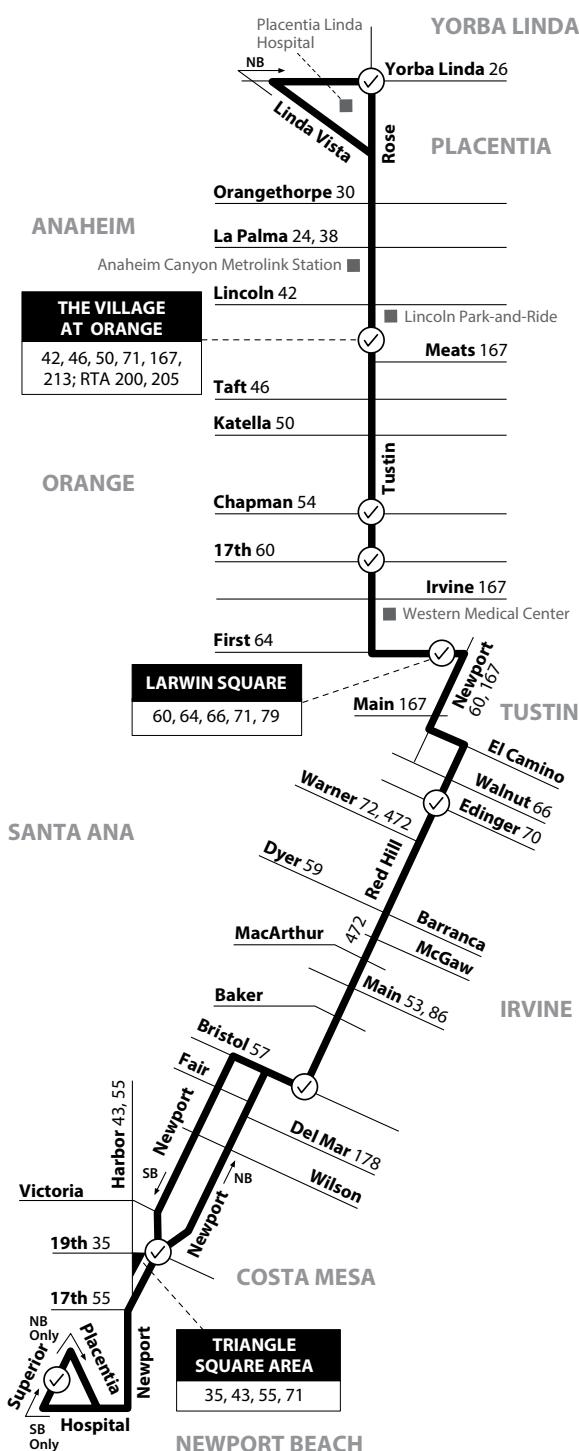


**Monday - Friday**  
**EASTBOUND To: Anaheim Hills / Yorba Linda**

S	Del Amo & Pioneer	Stanton & La Palma	La Palma & Beach	La Palma & Brookhurst	La Palma & Harbor	La Palma & State College	Landon & Kellogg	La Palma & Imperial	Old Canal & Eastpark	Anaheim Hills Festival
4:05	....	4:21	4:28	4:35	4:44	....	5:05	5:14	5:20	
	4:47	4:51	4:58	5:05	5:14	5:33				
4:50	....	5:11	5:20	5:30	5:41	....	6:04	6:13	6:19	
	5:32	5:36	5:45	5:55	6:06	6:25				
5:35	....	5:56	6:05	6:15	6:26	....	6:49	6:58	7:04	
	6:07	6:11	6:20	6:30	6:41	7:00				
6:05	....	6:26	6:35	6:45	6:56	....	7:19	7:28	7:34	
	6:35	6:39	6:48	6:58	7:09	7:28				
			6:59	7:09	7:20					
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6:46	....	7:10	7:20	7:30	7:40	....	8:02	8:11	8:19	
	7:21	7:25	7:35	7:45	7:55	8:14				
7:36	7:40	7:50	8:00	8:10	8:29					
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7:46	....	8:10	8:20	8:30	8:40	....	9:02	9:11	9:19	
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9:46	....	10:10	10:20	10:30	10:40	....	11:02	11:11	11:19	
	10:26	10:30	10:40	10:50	11:00	11:19				
10:46	10:46	10:50	11:00	11:10	11:20	11:39				
	....	11:10	11:20	11:30	11:40	....	12:02	12:11	12:19	
11:26	11:30	11:40	11:50	12:00	12:19					
	11:46	11:50	12:00	12:10	12:20	12:39				
11:46	....	12:10	12:20	12:30	12:40	....	1:02	1:11	1:19	
	12:26	12:30	12:40	12:50	1:00	1:19				
12:46	12:50	1:00	1:10	1:20	1:39					
	....	1:09	1:20	1:30	1:41	....	2:03	2:14	2:24	
12:44	....	1:25	1:40	1:50	2:01	2:20				
	1:45	1:49	2:00	2:10	2:21	2:40				
1:44	....	2:09	2:20	2:30	2:41	....	3:03	3:14	3:24	
	2:25	2:29	2:40	2:50	3:01	3:20				
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	4:26	4:30	4:41	4:50	5:01	5:20				
4:46	4:50	5:01	5:10	5:21	5:40					
	5:26	5:30	5:41	5:50	6:01	6:20				
5:27	....	5:50	6:01	6:10	6:21	....	6:42	6:52	7:01	
	6:21	6:25	6:36	6:45	6:56	7:15				
6:43	....	7:03	7:12	7:20	7:30	....	7:49	7:57	8:03	
	7:43	7:03	8:12	8:20	8:30	....	8:49	8:57	9:03	
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9:43	....	10:03	10:12	10:20	10:30	....	10:49	10:57	11:03	
10:48	....	11:08	11:17	11:25	11:35	....	11:54	12:02	12:08	

**S** = Operates on days Sycamore Intermediate School is in session  
= Opera los días que Sycamore Intermediate School están en sesión.





**Monday - Friday**

**NORTHBOUND To: Yorba Linda**

Superior & Placentia	Newport & 19th	Red Hill & Bristol	Red Hill & Edinger	1st & Newport	Tustin & 17th	Tustin & Chapman	Village At Orange	Rose & Yorba Linda
5:09	5:17	5:25	5:40	5:50	5:59	6:06	6:17	6:34
5:39	5:47	5:55	6:10	6:20	6:29	6:36	6:47	7:04
6:08	6:17	6:26	6:41	6:52	7:01	7:10	7:21	7:39
6:35	6:44	6:54	7:10	7:22	7:31	7:39	7:51	8:09
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7:31	7:40	7:50	8:08	8:22	8:33	8:42	8:54	9:11
8:01	8:10	8:20	8:38	8:52	9:03	9:12	9:24	9:41
8:31	8:40	8:50	9:08	9:22	9:33	9:42	9:54	10:11
9:03	9:12	9:22	9:40	9:52	10:04	10:13	10:25	10:42
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10:03	10:12	10:22	10:40	10:52	11:04	11:13	11:25	11:42
10:33	10:42	10:52	11:10	11:22	11:34	11:43	11:55	12:12
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12:00	12:09	12:19	12:37	12:49	1:01	1:10	1:22	1:39
12:22	12:33	12:43	1:02	1:16	1:28	1:37	1:49	2:08
12:52	1:03	1:13	1:32	1:46	1:58	2:07	2:19	2:38
1:22	1:34	1:44	2:05	2:19	2:31	2:40	2:54	3:15
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3:20	3:32	3:43	4:05	4:19	4:31	4:41	4:56	5:19
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9:21	9:29	9:38	9:51	10:01	10:08	10:14	10:23	10:38

**SERVICE TO / SERVICIO A**

**Yorba Linda**

- Placentia Linda Hospital

**Placentia**

- Alta Vista Country Club

**Anaheim**

- Anaheim Canyon Business Center

- Anaheim Canyon (Metrolink Station)

**Orange**

- Lincoln Park-and-Ride

- The Village at Orange

- Orange High School

**Santa Ana**

- Regional Center of Orange County

- Nova Academy

- Orange County Global

- Medical Center

**Tustin**

- Larwin Square

- Tustin Civic Center

- Columbus Tustin Middle School

- Tustin High School

- A.G. Curri Middle School

- Tustin Legacy

**Irvine**

**Costa Mesa**

- Triangle Square

- Pacific College

- Costa Mesa High School

- Orange County Department of Education

- Santa Ana Country Club

- Costa Mesa Civic Center

- Orange County Fairgrounds

- Vanguard University

- College Hospital

**Costa Mesa**

**Newport Beach**

- Hoag Hospital

**LEGEND  
LEYENDA**

Scheduled Departure   Regular Routing

RTA = Riverside Transit Agency

Route 071/111519

Numbers on streets indicate transfers. Números en la calle indican transbordos.

**71**

**Yorba Linda to Newport Beach**  
via Tustin Ave / Red Hill Ave / Newport Blvd

**Monday - Friday****SOUTHBOUND To: Newport Beach**

Rose & Yorba Linda	Village At Orange	Tustin & Chapman	Tustin & 17th	Newport & 1st	Red Hill & Edinger	Bristol & Red Hill	Newport & 19th	Superior & Placentia
5:33	5:47	5:59	6:06	6:15	6:29	6:48	6:58	7:06
5:56	6:12	6:26	6:35	6:45	7:01	7:20	7:30	7:40
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7:56	8:13	8:27	8:37	8:47	9:01	9:19	9:29	9:39
8:28	8:45	8:58	9:07	9:17	9:30	9:47	9:57	10:07
8:58	9:15	9:28	9:37	9:47	10:00	10:17	10:27	10:37
9:28	9:45	9:58	10:07	10:17	10:30	10:47	10:57	11:07
9:56	10:13	10:27	10:36	10:47	11:00	11:18	11:29	11:39
10:26	10:43	10:57	11:06	11:17	11:30	11:48	11:59	<b>12:09</b>
10:56	11:13	11:27	11:36	11:47	<b>12:03</b>	<b>12:22</b>	<b>12:33</b>	<b>12:43</b>
11:26	11:43	11:57	<b>12:06</b>	<b>12:17</b>	<b>12:33</b>	<b>12:52</b>	<b>1:03</b>	<b>1:13</b>
11:56	<b>12:13</b>	<b>12:27</b>	<b>12:36</b>	<b>12:47</b>	<b>1:02</b>	<b>1:21</b>	<b>1:32</b>	<b>1:42</b>
<b>12:26</b>	<b>12:43</b>	<b>12:57</b>	<b>1:06</b>	<b>1:17</b>	<b>1:32</b>	<b>1:51</b>	<b>2:02</b>	<b>2:12</b>
<b>12:54</b>	<b>1:11</b>	<b>1:25</b>	<b>1:34</b>	<b>1:45</b>	<b>2:00</b>	<b>2:19</b>	<b>2:30</b>	<b>2:40</b>
<b>1:25</b>	<b>1:42</b>	<b>1:56</b>	<b>2:05</b>	<b>2:16</b>	<b>2:31</b>	<b>2:50</b>	<b>3:01</b>	<b>3:11</b>
<b>1:52</b>	<b>2:09</b>	<b>2:23</b>	<b>2:32</b>	<b>2:43</b>	<b>2:58</b>	<b>3:17</b>	<b>3:28</b>	<b>3:38</b>
<b>2:22</b>	<b>2:39</b>	<b>2:53</b>	<b>3:02</b>	<b>3:13</b>	<b>3:28</b>	<b>3:47</b>	<b>3:58</b>	<b>4:08</b>
<b>2:52</b>	<b>3:09</b>	<b>3:23</b>	<b>3:32</b>	<b>3:43</b>	<b>3:58</b>	<b>4:17</b>	<b>4:28</b>	<b>4:38</b>
<b>3:25</b>	<b>3:42</b>	<b>3:56</b>	<b>4:05</b>	<b>4:16</b>	<b>4:31</b>	<b>4:50</b>	<b>5:01</b>	<b>5:11</b>
<b>3:55</b>	<b>4:12</b>	<b>4:26</b>	<b>4:35</b>	<b>4:46</b>	<b>5:01</b>	<b>5:20</b>	<b>5:31</b>	<b>5:41</b>
<b>4:25</b>	<b>4:42</b>	<b>4:56</b>	<b>5:05</b>	<b>5:16</b>	<b>5:31</b>	<b>5:50</b>	<b>6:01</b>	<b>6:11</b>
<b>4:58</b>	<b>5:15</b>	<b>5:29</b>	<b>5:38</b>	<b>5:49</b>	<b>6:04</b>	<b>6:23</b>	<b>6:34</b>	<b>6:44</b>
<b>5:30</b>	<b>5:46</b>	<b>5:59</b>	<b>6:07</b>	<b>6:16</b>	<b>6:29</b>	<b>6:44</b>	<b>6:54</b>	<b>7:04</b>
<b>6:00</b>	<b>6:16</b>	<b>6:29</b>	<b>6:37</b>	<b>6:46</b>	<b>6:59</b>	<b>7:14</b>	<b>7:24</b>	<b>7:34</b>
<b>6:30</b>	<b>6:46</b>	<b>6:59</b>	<b>7:07</b>	<b>7:16</b>	<b>7:29</b>	<b>7:44</b>	<b>7:54</b>	<b>8:04</b>
<b>7:04</b>	<b>7:20</b>	<b>7:31</b>	<b>7:38</b>	<b>7:46</b>	<b>7:56</b>	<b>8:10</b>	<b>8:19</b>	<b>8:29</b>
<b>7:34</b>	<b>7:50</b>	<b>8:01</b>	<b>8:08</b>	<b>8:16</b>	<b>8:27</b>	<b>8:39</b>	<b>8:47</b>	<b>8:54</b>
<b>8:06</b>	<b>8:20</b>	<b>8:31</b>	<b>8:38</b>	<b>8:46</b>	<b>8:55</b>	<b>9:08</b>	<b>9:16</b>	<b>9:23</b>
<b>8:41</b>	<b>8:55</b>	<b>9:06</b>	<b>9:13</b>	<b>9:21</b>	<b>9:30</b>	<b>9:43</b>	<b>9:51</b>	<b>9:58</b>
<b>9:11</b>	<b>9:25</b>	<b>9:36</b>	<b>9:43</b>	<b>9:51</b>	<b>10:00</b>	<b>10:13</b>	<b>10:21</b>	<b>10:28</b>
<b>9:50</b>	<b>10:04</b>	<b>10:15</b>	<b>10:22</b>	<b>10:30</b>	<b>10:39</b>	<b>10:52</b>	<b>11:00</b>	<b>11:07</b>

**Saturday****NORTHBOUND To: Yorba Linda**

Superior & Placentia	Newport & 19th	Red Hill & Bristol	Red Hill & Edinger	1st & Newport	Tustin & 17th	Tustin & Chapman	Village At Orange	Rose & Yorba Linda
6:00	6:09	6:19	6:32	6:40	6:47	6:56	7:06	7:25
6:40	6:49	7:00	7:14	7:25	7:34	7:43	7:54	8:13
7:25	7:34	7:45	7:59	8:10	8:19	8:28	8:39	8:58
8:09	8:18	8:29	8:43	8:55	9:04	9:13	9:26	9:46
8:54	9:03	9:14	9:28	9:40	9:49	9:58	10:11	10:31
9:39	9:48	9:59	10:13	10:25	10:34	10:43	10:56	11:16
10:24	10:33	10:44	10:58	11:10	11:19	11:28	11:41	<b>12:01</b>
11:09	11:18	11:29	11:43	11:55	<b>12:04</b>	<b>12:13</b>	<b>12:26</b>	<b>12:46</b>
11:54	<b>12:03</b>	<b>12:14</b>	<b>12:28</b>	<b>12:40</b>	<b>12:49</b>	<b>12:58</b>	<b>1:11</b>	<b>1:31</b>
<b>12:33</b>	<b>12:46</b>	<b>12:56</b>	<b>1:11</b>	<b>1:25</b>	<b>1:35</b>	<b>1:44</b>	<b>1:58</b>	<b>2:19</b>
<b>1:18</b>	<b>1:31</b>	<b>1:41</b>	<b>1:56</b>	<b>2:10</b>	<b>2:20</b>	<b>2:29</b>	<b>2:43</b>	<b>3:04</b>
<b>2:03</b>	<b>2:16</b>	<b>2:26</b>	<b>2:41</b>	<b>2:55</b>	<b>3:05</b>	<b>3:14</b>	<b>3:28</b>	<b>3:49</b>
<b>2:48</b>	<b>3:01</b>	<b>3:11</b>	<b>3:26</b>	<b>3:40</b>	<b>3:50</b>	<b>3:59</b>	<b>4:13</b>	<b>4:34</b>
<b>3:33</b>	<b>3:46</b>	<b>3:56</b>	<b>4:11</b>	<b>4:25</b>	<b>4:35</b>	<b>4:44</b>	<b>4:58</b>	<b>5:19</b>
<b>4:18</b>	<b>4:31</b>	<b>4:41</b>	<b>4:56</b>	<b>5:10</b>	<b>5:20</b>	<b>5:29</b>	<b>5:43</b>	<b>6:04</b>
<b>5:03</b>	<b>5:16</b>	<b>5:26</b>	<b>5:41</b>	<b>5:55</b>	<b>6:05</b>	<b>6:14</b>	<b>6:28</b>	<b>6:49</b>
<b>5:48</b>	<b>6:01</b>	<b>6:11</b>	<b>6:26</b>	<b>6:40</b>	<b>6:50</b>	<b>6:59</b>	<b>7:13</b>	<b>7:34</b>
<b>6:39</b>	<b>6:48</b>	<b>6:58</b>	<b>7:13</b>	<b>7:25</b>	<b>7:35</b>	<b>7:44</b>	<b>7:55</b>	<b>8:16</b>
<b>7:24</b>	<b>7:33</b>	<b>7:43</b>	<b>7:58</b>	<b>8:10</b>	<b>8:20</b>	<b>8:29</b>	<b>8:40</b>	<b>9:01</b>
<b>8:09</b>	<b>8:18</b>	<b>8:28</b>	<b>8:43</b>	<b>8:55</b>	<b>9:05</b>	<b>9:14</b>	<b>9:25</b>	<b>9:46</b>

**Yorba Linda to Newport Beach**  
via Tustin Ave / Red Hill Ave / Newport Blvd

**71**

**Saturday**

**SOUTHBOUND To: Newport Beach**

Rose & Yorba Linda	Village At Orange	Tustin & Chapman	Tustin & 17th	Newport & 1st	Red Hill & Edinger	Bristol & Red Hill	Newport & 19th	Superior & Placentia
6:17	6:35	6:46	6:53	7:02	7:12	7:25	7:35	7:43
7:05	7:23	7:34	7:41	7:50	8:00	8:13	8:23	8:31
7:45	8:04	8:17	8:26	8:35	8:45	8:58	9:08	9:17
8:30	8:49	9:02	9:11	9:20	9:30	9:43	9:53	10:02
9:15	9:34	9:47	9:56	10:05	10:15	10:28	10:38	10:47
10:00	10:19	10:32	10:41	10:50	11:00	11:13	11:23	11:32
10:41	11:02	11:17	11:26	11:35	11:48	<b>12:03</b>	<b>12:14</b>	<b>12:23</b>
11:26	11:47	<b>12:02</b>	<b>12:11</b>	<b>12:20</b>	<b>12:33</b>	<b>12:48</b>	<b>12:59</b>	<b>1:08</b>
<b>12:11</b>	<b>12:32</b>	<b>12:47</b>	<b>12:56</b>	<b>1:05</b>	<b>1:18</b>	<b>1:33</b>	<b>1:44</b>	<b>1:53</b>
<b>12:56</b>	<b>1:17</b>	<b>1:32</b>	<b>1:41</b>	<b>1:50</b>	<b>2:03</b>	<b>2:18</b>	<b>2:29</b>	<b>2:38</b>
<b>1:41</b>	<b>2:02</b>	<b>2:17</b>	<b>2:26</b>	<b>2:35</b>	<b>2:48</b>	<b>3:03</b>	<b>3:14</b>	<b>3:23</b>
<b>2:26</b>	<b>2:47</b>	<b>3:02</b>	<b>3:11</b>	<b>3:20</b>	<b>3:33</b>	<b>3:48</b>	<b>3:59</b>	<b>4:08</b>
<b>3:11</b>	<b>3:32</b>	<b>3:47</b>	<b>3:56</b>	<b>4:05</b>	<b>4:18</b>	<b>4:33</b>	<b>4:44</b>	<b>4:53</b>
<b>4:02</b>	<b>4:19</b>	<b>4:32</b>	<b>4:40</b>	<b>4:50</b>	<b>5:02</b>	<b>5:18</b>	<b>5:29</b>	<b>5:39</b>
<b>4:47</b>	<b>5:04</b>	<b>5:17</b>	<b>5:25</b>	<b>5:35</b>	<b>5:47</b>	<b>6:03</b>	<b>6:14</b>	<b>6:24</b>
<b>5:32</b>	<b>5:49</b>	<b>6:02</b>	<b>6:10</b>	<b>6:20</b>	<b>6:32</b>	<b>6:48</b>	<b>6:59</b>	<b>7:09</b>
<b>6:17</b>	<b>6:34</b>	<b>6:47</b>	<b>6:55</b>	<b>7:05</b>	<b>7:17</b>	<b>7:33</b>	<b>7:44</b>	<b>7:54</b>
<b>7:04</b>	<b>7:21</b>	<b>7:35</b>	<b>7:42</b>	<b>7:50</b>	<b>8:01</b>	<b>8:14</b>	<b>8:22</b>	<b>8:30</b>
<b>7:49</b>	<b>8:06</b>	<b>8:20</b>	<b>8:27</b>	<b>8:35</b>	<b>8:46</b>	<b>8:59</b>	<b>9:07</b>	<b>9:15</b>
<b>8:34</b>	<b>8:51</b>	<b>9:05</b>	<b>9:12</b>	<b>9:20</b>	<b>9:31</b>	<b>9:44</b>	<b>9:52</b>	<b>10:00</b>

**Sunday & Holiday**

**NORTHBOUND To: Yorba Linda**

Superior & Placentia	Newport & 19th	Red Hill & Bristol	Red Hill & Edinger	1st & Newport	Tustin & 17th	Tustin & Chapman	Village At Orange	Rose & Yorba Linda
5:46	5:55	6:05	6:18	6:25	6:33	6:39	6:48	7:03
6:32	6:42	6:52	7:05	7:15	7:24	7:31	7:42	7:59
7:22	7:32	7:42	7:55	8:05	8:14	8:21	8:32	8:49
8:12	8:22	8:32	8:45	8:55	9:04	9:11	9:22	9:39
9:02	9:12	9:22	9:35	9:45	9:54	10:01	10:12	10:29
9:52	10:03	10:14	10:27	10:37	10:46	10:54	11:07	11:25
10:45	10:56	11:07	11:20	11:30	11:39	11:47	<b>12:00</b>	<b>12:18</b>
11:40	11:51	<b>12:02</b>	<b>12:15</b>	<b>12:25</b>	<b>12:34</b>	<b>12:42</b>	<b>12:55</b>	<b>1:13</b>
<b>12:33</b>	<b>12:44</b>	<b>12:55</b>	<b>1:09</b>	<b>1:20</b>	<b>1:29</b>	<b>1:36</b>	<b>1:49</b>	<b>2:08</b>
<b>1:28</b>	<b>1:39</b>	<b>1:50</b>	<b>2:04</b>	<b>2:15</b>	<b>2:24</b>	<b>2:31</b>	<b>2:44</b>	<b>3:03</b>
<b>2:23</b>	<b>2:34</b>	<b>2:45</b>	<b>2:59</b>	<b>3:10</b>	<b>3:19</b>	<b>3:26</b>	<b>3:39</b>	<b>3:58</b>
<b>3:18</b>	<b>3:29</b>	<b>3:40</b>	<b>3:54</b>	<b>4:05</b>	<b>4:14</b>	<b>4:21</b>	<b>4:34</b>	<b>4:53</b>
<b>4:13</b>	<b>4:24</b>	<b>4:35</b>	<b>4:49</b>	<b>5:00</b>	<b>5:09</b>	<b>5:16</b>	<b>5:29</b>	<b>5:48</b>
<b>5:08</b>	<b>5:19</b>	<b>5:30</b>	<b>5:44</b>	<b>5:55</b>	<b>6:04</b>	<b>6:11</b>	<b>6:24</b>	<b>6:43</b>
<b>6:03</b>	<b>6:14</b>	<b>6:25</b>	<b>6:39</b>	<b>6:50</b>	<b>6:59</b>	<b>7:06</b>	<b>7:19</b>	<b>7:38</b>
<b>6:59</b>	<b>7:09</b>	<b>7:19</b>	<b>7:30</b>	<b>7:40</b>	<b>7:49</b>	<b>7:56</b>	<b>8:08</b>	<b>8:26</b>

**Sunday & Holiday**

**SOUTHBOUND To: Newport Beach**

Rose & Yorba Linda	Village At Orange	Tustin & Chapman	Tustin & 17th	Newport & 1st	Red Hill & Edinger	Bristol & Red Hill	Newport & 19th	Superior & Placentia
6:34	6:50	7:02	7:10	7:17	7:28	7:41	7:51	8:02
7:24	7:40	7:52	8:00	8:07	8:18	8:31	8:41	8:52
8:14	8:30	8:42	8:50	8:57	9:08	9:21	9:31	9:42
9:03	9:19	9:31	9:39	9:47	9:58	10:12	10:22	10:33
9:51	10:08	10:21	10:29	10:37	10:48	11:02	11:12	11:23
10:46	11:03	11:16	11:24	11:32	11:43	11:57	<b>12:07</b>	<b>12:18</b>
11:41	11:58	<b>12:11</b>	<b>12:19</b>	<b>12:27</b>	<b>12:38</b>	<b>12:52</b>	<b>1:02</b>	<b>1:13</b>
<b>12:36</b>	<b>12:53</b>	<b>1:06</b>	<b>1:14</b>	<b>1:22</b>	<b>1:33</b>	<b>1:47</b>	<b>1:57</b>	<b>2:08</b>
<b>1:31</b>	<b>1:48</b>	<b>2:01</b>	<b>2:09</b>	<b>2:17</b>	<b>2:28</b>	<b>2:42</b>	<b>2:52</b>	<b>3:03</b>
<b>2:22</b>	<b>2:39</b>	<b>2:54</b>	<b>3:02</b>	<b>3:12</b>	<b>3:23</b>	<b>3:37</b>	<b>3:49</b>	<b>4:00</b>
<b>3:17</b>	<b>3:34</b>	<b>3:49</b>	<b>3:57</b>	<b>4:07</b>	<b>4:18</b>	<b>4:32</b>	<b>4:44</b>	<b>4:55</b>
<b>4:08</b>	<b>4:25</b>	<b>4:40</b>	<b>4:50</b>	<b>5:02</b>	<b>5:16</b>	<b>5:28</b>	<b>5:43</b>	<b>5:54</b>
<b>5:03</b>	<b>5:20</b>	<b>5:35</b>	<b>5:45</b>	<b>5:57</b>	<b>6:11</b>	<b>6:23</b>	<b>6:38</b>	<b>6:49</b>
<b>5:58</b>	<b>6:15</b>	<b>6:30</b>	<b>6:40</b>	<b>6:52</b>	<b>7:06</b>	<b>7:18</b>	<b>7:33</b>	<b>7:44</b>
<b>6:53</b>	<b>7:10</b>	<b>7:25</b>	<b>7:35</b>	<b>7:47</b>	<b>8:01</b>	<b>8:13</b>	<b>8:28</b>	<b>8:39</b>
<b>7:49</b>	<b>8:06</b>	<b>8:19</b>	<b>8:28</b>	<b>8:37</b>	<b>8:49</b>	<b>9:03</b>	<b>9:13</b>	<b>9:24</b>
<b>8:39</b>	<b>8:56</b>	<b>9:09</b>	<b>9:18</b>	<b>9:27</b>	<b>9:39</b>	<b>9:53</b>	<b>10:03</b>	<b>10:14</b>

*Exhibit 3-4, Existing and Proposed Bike Network*