

**DATE:** March 2, 2023  
**TO:** Reynaldo Aquino, City of Jurupa Valley  
**FROM:** Charlene So, Urban Crossroads, Inc.  
**JOB NO:** 15021-07 TA Memo

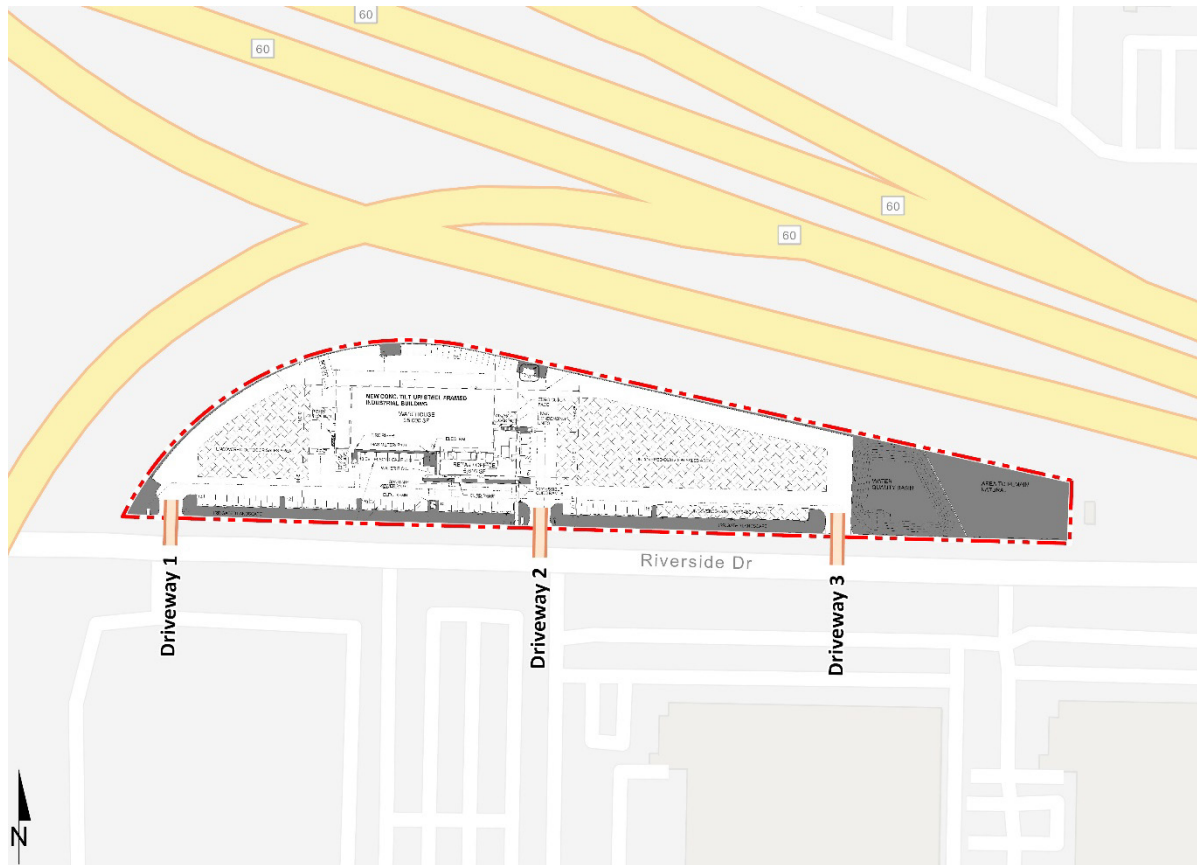


## **INDUSTRIAL OUTDOOR VENTURES (MA2123) FOCUSED TRAFFIC ASSESSMENT**

Urban Crossroads, Inc. is pleased to provide the following Focused Traffic Assessment for the Industrial Outdoor Ventures development (**Project**), which is located north of Riverside Drive and west of Wineville Avenue in the City of Jurupa Valley.

### **PROJECT OVERVIEW**

It is our understanding that the Project is to consist of the development of a 25,000 square foot general light industrial building with 5,616 square feet of retail/office space (total of 30,616 square feet) on a 6.88-acre site (or 299,718 square feet). There is also a large portion of the site that is identified for uncovered outdoor sales area that could be converted to accommodate additional parking spaces. Assuming that the site could be developed with a floor-to-area-ratio (**FAR**) of 25% (or 0.25), the proposed Project is assumed to consist of up to 74,930 square feet of general light industrial use and 5,616 square feet of retail/office space. The square footage of the general light industrial use has been determined assuming an FAR of 0.25 on the site area of 299,718 square feet. The preliminary site plan for the proposed Project is shown on Exhibit 1. It is anticipated that the Project will be operational by Year 2024. Access to the Project site will be provided to Riverside Drive via 3 driveways.

**EXHIBIT 1: PRELIMINARY SITE PLAN****TRIP GENERATION**

Trip generation represents the amount of traffic that is attracted and produced by a development and is based upon the specific land uses planned for a given project. The trip generation rates used for this analysis are based upon information collected by the Institute of Transportation Engineers (ITE) as provided in their [Trip Generation Manual](#) (11<sup>th</sup> Edition, 2021). Trip generation rates for the Project are shown in Table 1. For purposes of the traffic analysis, the following ITE land use codes and vehicle mixes will be utilized:

- ITE land use code 110 (General Light Industrial) has been used to derive site specific trip generation estimates for up to 74,930 square feet of the proposed Project. A light industrial facility is a free-standing facility devoted to a single use that has an emphasis on activities other than manufacturing. Typically, there is minimum office space. The vehicle mix has been obtained from the ITE's [Trip Generation Manual](#). The truck percentages were further broken down by axle type per the following South Coast Air Quality Management District (SCAQMD) recommended truck mix: 2-Axle = 16.7%; 3-Axle = 20.7%; 4+-Axle = 62.6%.
- ITE land use code 822 (Strip Retail) is an integrated group of commercial establishments that is planned, developed, owned, and managed as a unit. Each surveyed site has less than 40,000 square feet of gross leasable area.

**TABLE 1: TRIP GENERATION RATES**

Land Use <sup>1</sup>	Units <sup>2</sup>	ITE LU Code	AM Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total
<b>Actual Vehicle Trip Generation Rates</b>								
General Light Industrial <sup>3</sup>	TSF	140	0.651	0.089	0.740	0.091	0.559	0.650
Passenger Cars (AM=98.6%, PM=98.5%, Daily=94.9%)			0.645	0.085	0.730	0.086	0.554	0.640
2-Axle Trucks (AM=0.23%, PM=0.25%, Daily=0.85%)			0.001	0.001	0.002	0.001	0.001	0.002
3-Axle Trucks (AM=0.29%, PM=0.31%, Daily=1.05%)			0.001	0.001	0.002	0.001	0.001	0.002
4+-Axle Trucks (AM=0.88%, PM=0.94%, Daily=3.20%)			0.004	0.002	0.006	0.003	0.003	0.006
Strip Retail <sup>4</sup>	TSF	822	2.10	1.40	3.50	4.60	4.60	9.20
<b>Passenger Car Equivalent (PCE) Trip Generation</b>								
General Light Industrial <sup>3</sup>	TSF	140	0.651	0.089	0.740	0.091	0.559	0.650
Passenger Cars			0.645	0.085	0.730	0.086	0.554	0.640
2-Axle Trucks (PCE = 1.5)			0.002	0.001	0.003	0.002	0.001	0.003
3-Axle Trucks (PCE = 2.0)			0.002	0.002	0.004	0.002	0.002	0.004
4+-Axle Trucks (PCE = 3.0)			0.012	0.007	0.019	0.009	0.010	0.019

<sup>1</sup> Trip Generation & Vehicle Mix Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, Eleventh Edition (2021).

<sup>2</sup> TSF = thousand square feet

<sup>3</sup> Truck Mix: South Coast Air Quality Management District’s (SCAQMD) recommended truck mix, by axle type.

Normalized % - Without Cold Storage: 16.7% 2-Axle trucks, 20.7% 3-Axle trucks, 62.6% 4-Axle trucks.

<sup>4</sup> Trip generation rates based on the fitted curve regression equation.

Passenger Car Equivalent (**PCE**) factors were applied to the trip generation rates for heavy trucks (large 2-axles, 3-axles, 4+-axles). PCEs allow the typical “real-world” mix of vehicle types to be represented as a single, standardized unit, such as the passenger car, to be used for the purposes of capacity and level of service analyses. The PCE factors are consistent with the recommended PCE factors in the City’s Guidelines. The PCE factors utilized for the trip generation estimates are consistent with other traffic studies in throughout the City.

The trip generation summary for the proposed Project is also shown on Table 2 in actual vehicles and on Table 3 in PCE. As shown on Table 2, the proposed Project is anticipated to generate a total of 840 two-way trips per day (rounded up to the nearest 10 from 834) with 74 AM peak hour trips and 100 PM peak hour trips. The PCE trip generation shown in Table 3 will be utilized for the purposes of the operations analyses consistent with the City’s Guidelines. As shown on Table 3, the Project is anticipated to generate 870 two-way PCE trips per day (rounded up to the nearest 10 from 864) with 76 PCE AM peak hour trips and 102 PCE PM peak hour trips.

The Project trip generation assumptions would also cover any potential expansion of the site in the future since the potential future development has been considered for the purposes of this traffic assessment. This assessment could be utilized as long as the future development is consistent with the industrial zoning and does not generate substantially greater traffic volumes than that disclosed in Table 2 and Table 3.

**TABLE 2: PROJECT TRIP GENERATION SUMMARY (ACTUAL VEHICLES)**

Land Use	Quantity Units <sup>1</sup>	AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
<b>Actual Vehicles:</b>								
General Light Industrial	74.930 TSF							
Passenger Cars:		48	6	54	6	42	48	346
2-axle Trucks:		0	0	0	0	0	0	4
3-axle Trucks:		0	0	0	0	0	0	4
4+-axle Trucks:		0	0	0	0	0	0	12
Total Truck Trips (Actual Vehicles):		0	0	0	0	0	0	20
Total Trips (Actual Vehicles) <sup>2</sup>		48	6	54	6	42	48	366
Strip Retail	5.616 TSF	12	8	20	26	26	52	468
Passenger Cars		60	14	74	32	68	100	814
Trucks		0	0	0	0	0	0	20
<b>Total Trips (Actual Vehicles)<sup>2</sup></b>		<b>60</b>	<b>14</b>	<b>74</b>	<b>32</b>	<b>68</b>	<b>100</b>	<b>834</b>

<sup>1</sup> TSF = thousand square feet

<sup>2</sup> Total Trips = Passenger Cars + Truck Trips.

**TABLE 3: PROJECT TRIP GENERATION SUMMARY (PCE)**

Land Use	Quantity Units <sup>1</sup>	AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
<b>Passenger Car Equivalent (PCE):</b>								
General Light Industrial	74.930 TSF							
Passenger Cars:		48	6	54	6	42	48	346
2-axle Trucks:		0	0	0	0	0	0	6
3-axle Trucks:		0	0	0	0	0	0	8
4+-axle Trucks:		1	1	2	1	1	2	36
Total Truck Trips (PCE):		1	1	2	1	1	2	50
Total Trips (PCE) <sup>2</sup>		49	7	56	7	43	50	396
Strip Retail	5.616 TSF	12	8	20	26	26	52	468
Passenger Cars		60	14	74	32	68	100	814
Trucks		1	1	2	1	1	2	50
<b>Total Trips (PCE)<sup>2</sup></b>		<b>61</b>	<b>15</b>	<b>76</b>	<b>33</b>	<b>69</b>	<b>102</b>	<b>864</b>

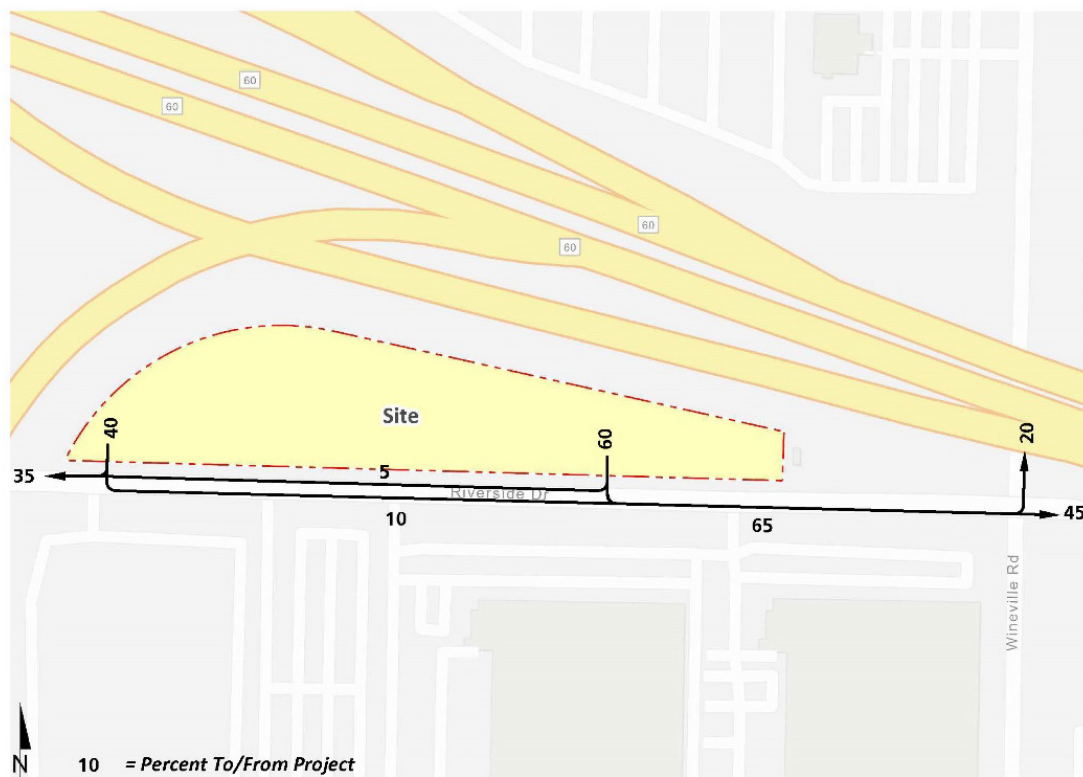
<sup>1</sup> TSF = thousand square feet

<sup>2</sup> Total Trips = Passenger Cars + Truck Trips.

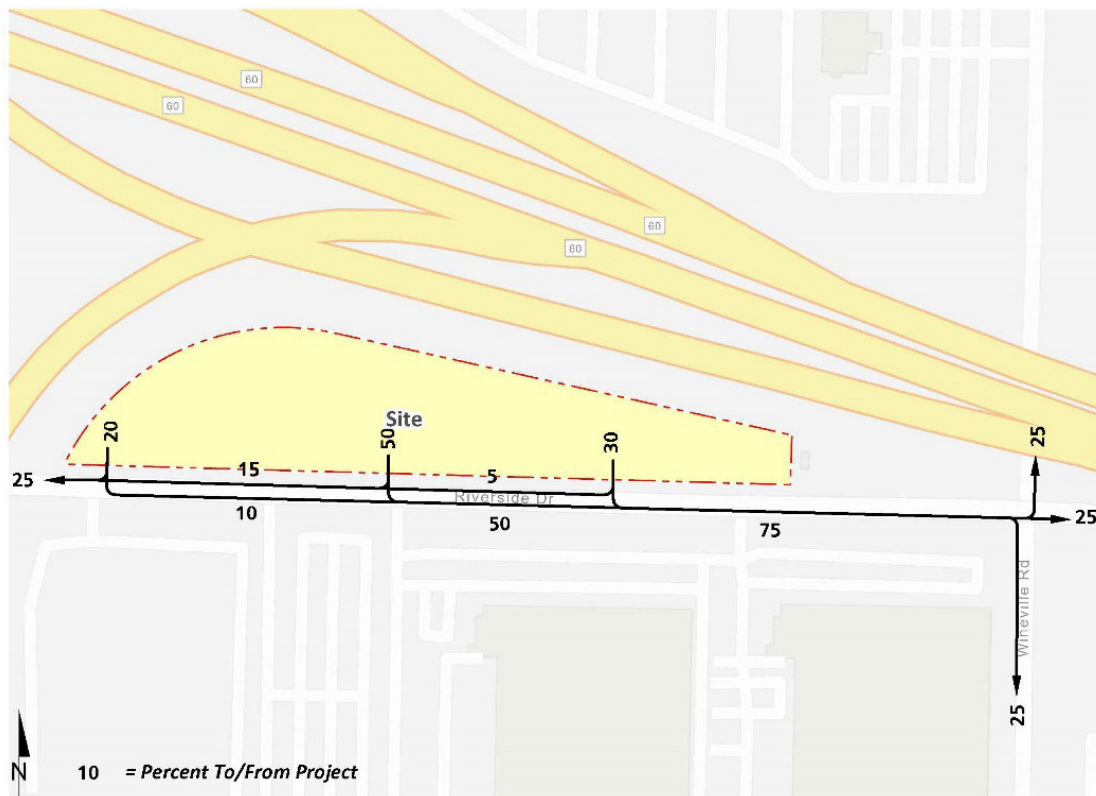
## TRIP DISTRIBUTION

The Project trip distribution represents the directional orientation of traffic to and from the Project site. Trip distribution is the process of identifying the probable destinations, directions or traffic routes that will be utilized by Project traffic. The potential interaction between the planned land uses and surrounding regional access routes are considered, to identify the route where the Project traffic would distribute. In addition, truck routes for neighboring agencies have been taken into consideration in the development of the trip distribution patterns for heavy trucks. Exhibits 2 and 3 show the Project truck and passenger car trip distribution patterns, respectively.

### EXHIBIT 2: PROJECT (TRUCKS) TRIP DISTRIBUTION



**EXHIBIT 3: PROJECT (PASSENGER CARS) TRIP DISTRIBUTION**

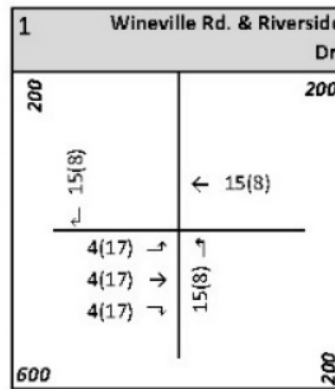


**PROJECT TRIP ASSIGNMENT**

The assignment of traffic from the Project area to the adjoining roadway system is based upon the Project trip generation, trip distribution, and the arterial highway and local street system improvements that would be in place by the time of initial occupancy of the Project. Based on the identified Project traffic generation and trip distribution patterns, Project only ADT and peak hour intersection turning movement volumes at the intersection of Wineville Road and Riverside Drive are shown on Exhibit 4. ADTs and peak hour volumes on Exhibit 4 are expressed in actual vehicles (AM total volume = 57; PM total volume = 75).

It is our understanding that the City has completed a traffic signal warrant analysis for the intersection of Wineville Road and Riverside Drive. The Project's trip assignment shown on Exhibit 4 for the intersection of Wineville Road and Riverside Drive will be used by City staff to determine a fair share contribution towards the future signalization and lane improvements planned for the intersection of Wineville Road and Riverside Drive. The 2022 traffic counts collected at the intersection of Wineville Road and Riverside Drive are provided in Attachment A.

**EXHIBIT 4: PROJECT ONLY VOLUMES**



**SITE ACCESS AND ROADWAY IMPROVEMENTS**

The following recommendations are based on the minimum improvements needed to accommodate site access for the proposed Project. The driveway intersection recommendations and roadway improvements are summarized below.

- All Project driveways will need to be designed and constructed to ensure adequate sight distance.
- Riverside Drive will be designed to include a median two-way left-turn lane and wide enough through lanes to accommodate truck turn movements into and out of the site on both sides of the street without encroaching into the path of any oncoming traffic.
- Riverside Drive is an east-west oriented roadway. The ultimate cross-section of Riverside Drive will be reviewed by City staff to determine what a practical cross-section is given the width restrictions under the I-15 Freeway overcrossing and the large steel utility poles along the south side of Riverside Drive, in addition to the number of lanes being provided on the Ontario side of Riverside Drive west of the I-15 Freeway Corridor.
  - Riverside Drive is designated as a Major Highway (118-foot right-of-way) along the Project’s frontage per the City’s General Plan (2017) Mobility Element (and identified as a Primary Corridor). A Major Highway accommodates up to four lanes of travel with two lanes in each direction, 8-foot shoulders, and a 12-foot painted median.
  - Riverside Drive is designated as a Minor Arterial per The Ontario Plan (2050 TOP) with up to six lanes.

**VEHICLE MILES TRAVELED (VMT)**

Vehicle miles traveled assessment and associated mitigation measure will be provided under separate cover.

If you have any questions or comments, I can be reached at [cs@urbanxroads.com](mailto:cs@urbanxroads.com).

**ATTACHMENT A**  
**EXISTING (2022) INTERSECTION COUNTS**



# Counts Unlimited, Inc.

City of Jurupa Valley  
 Riverside Drive  
 W/ Wineville Road  
 24 Hour Directional Classification Count

PO Box 1178  
 Corona, CA 92878  
 Phone: (951) 268-6268  
 email: counts@countsunlimited.com

JVY001  
 Site Code: 051-221104

**Eastbound**

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
11/30/22	0	28	3	0	0	2	0	0	16	0	7	0	0	56
01:00	0	13	1	0	0	0	0	0	13	0	3	0	0	30
02:00	0	15	1	0	0	2	0	2	30	0	3	0	0	53
03:00	0	48	4	0	0	4	0	1	46	0	1	1	0	105
04:00	0	49	7	0	2	2	0	1	52	0	1	0	0	114
05:00	1	30	8	0	2	2	0	3	57	0	1	0	0	104
06:00	1	22	5	0	3	2	0	1	46	0	0	0	0	80
07:00	0	28	10	0	4	7	0	1	40	0	0	0	0	90
08:00	1	38	9	0	2	6	0	0	47	0	0	0	0	103
09:00	0	26	5	0	4	3	0	4	50	0	0	0	0	92
10:00	1	<b>51</b>	<b>25</b>	0	<b>9</b>	<b>14</b>	0	<b>12</b>	<b>59</b>	0	1	0	0	<b>172</b>
11:00	0	42	18	0	4	3	0	6	47	0	0	0	0	120
12 PM	<b>2</b>	87	19	0	4	5	0	1	<b>46</b>	0	0	0	0	164
13:00	0	81	21	0	6	2	0	5	44	0	0	0	0	159
14:00	0	<b>155</b>	21	0	<b>8</b>	4	0	1	34	0	0	0	0	<b>223</b>
15:00	1	83	<b>29</b>	0	5	5	0	1	23	0	0	0	0	147
16:00	0	110	27	0	1	3	0	3	21	0	0	0	0	165
17:00	0	90	23	0	6	4	0	<b>6</b>	19	0	0	0	0	148
18:00	0	66	10	0	4	2	0	2	17	0	0	0	0	101
19:00	0	41	5	0	1	1	0	2	20	0	0	<b>1</b>	0	71
20:00	0	37	4	0	0	<b>6</b>	0	0	32	0	4	0	0	83
21:00	0	46	3	0	2	3	0	1	30	0	<b>6</b>	0	0	91
22:00	0	37	2	0	1	1	0	0	29	<b>1</b>	3	0	0	74
23:00	0	65	4	0	0	1	0	0	13	1	1	1	0	86
<b>Total</b>	7	1288	264	0	68	84	0	53	831	2	31	3	0	2631
<b>Percent</b>	0.3%	49.0%	10.0%	0.0%	2.6%	3.2%	0.0%	2.0%	31.6%	0.1%	1.2%	0.1%	0.0%	
<b>AM Peak</b>	05:00	10:00	10:00		10:00	10:00		10:00	10:00		00:00	03:00		10:00
<b>Vol.</b>	1	51	25		9	14		12	59		7	1		172
<b>PM Peak</b>	12:00	14:00	15:00		14:00	20:00		17:00	12:00	22:00	21:00	19:00		14:00
<b>Vol.</b>	2	155	29		8	6		6	46	1	6	1		223
<b>Grand Total</b>	7	1288	264	0	68	84	0	53	831	2	31	3	0	2631
<b>Percent</b>	0.3%	49.0%	10.0%	0.0%	2.6%	3.2%	0.0%	2.0%	31.6%	0.1%	1.2%	0.1%	0.0%	

### Counts Unlimited, Inc.

City of Jurupa Valley  
 Riverside Drive  
 W/ Wineville Road  
 24 Hour Directional Classification Count  
 Westbound

PO Box 1178  
 Corona, CA 92878  
 Phone: (951) 268-6268  
 email: counts@countsunlimited.com

JVY001  
 Site Code: 051-221104

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
11/30/22	1	13	6	0	0	3	0	1	25	0	1	0	0	50
01:00	0	17	3	0	0	0	0	0	27	0	2	1	0	50
02:00	0	16	5	0	1	2	0	0	27	0	0	0	0	51
03:00	0	62	18	0	1	0	0	1	24	0	1	0	0	107
04:00	0	66	14	0	3	1	0	0	35	0	0	0	0	119
05:00	0	<b>140</b>	21	0	6	5	0	1	62	<b>3</b>	2	0	0	<b>240</b>
06:00	1	67	16	0	6	6	0	1	61	1	2	0	0	161
07:00	0	82	18	0	7	6	0	0	<b>65</b>	0	2	0	0	180
08:00	0	81	<b>23</b>	0	4	3	0	<b>2</b>	52	0	1	0	0	166
09:00	0	42	15	0	<b>8</b>	4	0	1	45	0	0	0	0	115
10:00	0	56	13	0	5	4	0	2	64	0	0	0	0	144
11:00	0	72	17	0	4	<b>10</b>	0	1	59	0	0	0	0	163
12 PM	0	108	<b>26</b>	0	3	2	0	3	<b>69</b>	0	0	0	0	211
13:00	0	121	19	0	<b>10</b>	<b>9</b>	0	1	48	0	0	0	0	208
14:00	<b>1</b>	<b>130</b>	25	0	9	8	0	2	45	0	0	0	0	<b>220</b>
15:00	1	78	15	0	3	4	0	1	27	0	0	0	0	129
16:00	0	94	19	0	5	4	0	2	17	0	0	0	0	141
17:00	0	105	10	0	5	3	0	1	33	0	0	0	0	157
18:00	1	55	13	0	0	6	0	<b>5</b>	33	0	0	0	0	113
19:00	0	46	4	0	3	4	0	2	33	0	0	0	0	92
20:00	0	33	4	0	2	2	0	0	30	0	3	0	0	74
21:00	1	68	3	0	0	4	0	0	25	0	4	0	0	105
22:00	0	20	4	0	1	4	0	0	19	0	4	0	0	52
23:00	0	36	3	0	0	5	0	0	12	0	<b>6</b>	0	0	62
Total	6	1608	314	0	86	99	0	27	937	4	28	1	0	3110
Percent	0.2%	51.7%	10.1%	0.0%	2.8%	3.2%	0.0%	0.9%	30.1%	0.1%	0.9%	0.0%	0.0%	
AM Peak	00:00	05:00	08:00		09:00	11:00		08:00	07:00	05:00	01:00	01:00		05:00
Vol.	1	140	23		8	10		2	65	3	2	1		240
PM Peak	14:00	14:00	12:00		13:00	13:00		18:00	12:00		23:00			14:00
Vol.	1	130	26		10	9		5	69		6			220
Grand Total	6	1608	314	0	86	99	0	27	937	4	28	1	0	3110
Percent	0.2%	51.7%	10.1%	0.0%	2.8%	3.2%	0.0%	0.9%	30.1%	0.1%	0.9%	0.0%	0.0%	

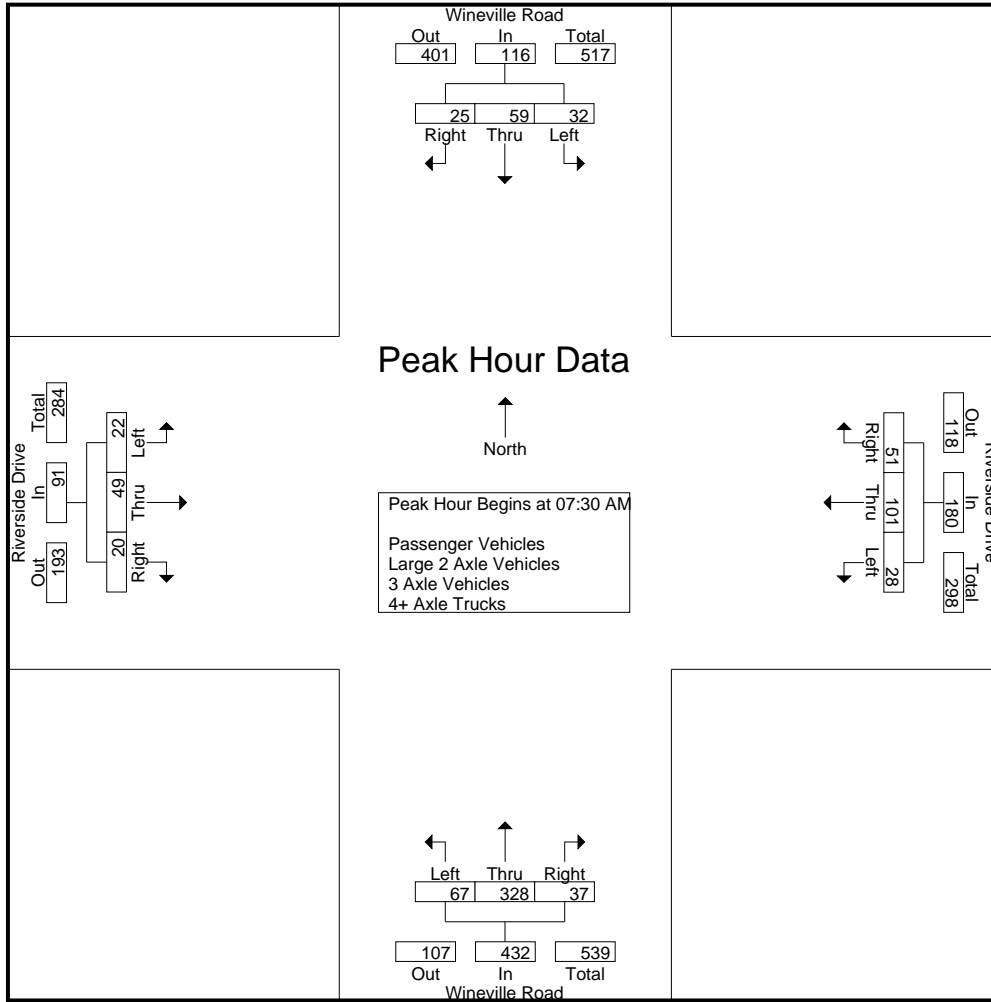
City of Jurupa Valley  
 N/S: Wineville Road  
 E/W: Riverside Drive  
 Weather: Clear

File Name : JVY\_Wine\_RS AM  
 Site Code : 221104  
 Start Date : 11/30/2022  
 Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
06:30 AM	9	10	5	24	4	27	10	41	7	34	7	48	3	18	3	24	137
06:45 AM	5	12	4	21	5	24	11	40	17	49	16	82	4	13	2	19	162
Total	14	22	9	45	9	51	21	81	24	83	23	130	7	31	5	43	299
07:00 AM	9	12	8	29	4	28	10	42	10	60	10	80	4	21	1	26	177
07:15 AM	9	12	4	25	4	18	10	32	18	62	15	95	3	13	2	18	170
07:30 AM	8	12	10	30	9	22	13	44	11	120	8	139	5	14	4	23	236
07:45 AM	4	16	9	29	7	27	10	44	15	86	14	115	4	14	5	23	211
Total	30	52	31	113	24	95	43	162	54	328	47	429	16	62	12	90	794
08:00 AM	8	22	2	32	6	24	15	45	18	74	10	102	6	8	3	17	196
08:15 AM	12	9	4	25	6	28	13	47	23	48	5	76	7	13	8	28	176
08:30 AM	4	9	1	14	15	27	15	57	12	49	6	67	6	23	6	35	173
08:45 AM	4	10	2	16	11	18	8	37	7	19	11	37	5	11	7	23	113
Total	28	50	9	87	38	97	51	186	60	190	32	282	24	55	24	103	658
Grand Total	72	124	49	245	71	243	115	429	138	601	102	841	47	148	41	236	1751
Apprch %	29.4	50.6	20		16.6	56.6	26.8		16.4	71.5	12.1		19.9	62.7	17.4		
Total %	4.1	7.1	2.8	14	4.1	13.9	6.6	24.5	7.9	34.3	5.8	48	2.7	8.5	2.3	13.5	
Passenger Vehicles	20	85	28	133	34	108	40	182	120	563	42	725	24	43	37	104	1144
% Passenger Vehicles	27.8	68.5	57.1	54.3	47.9	44.4	34.8	42.4	87	93.7	41.2	86.2	51.1	29.1	90.2	44.1	65.3
Large 2 Axle Vehicles	1	6	2	9	5	9	1	15	3	11	0	14	2	4	1	7	45
% Large 2 Axle Vehicles	1.4	4.8	4.1	3.7	7	3.7	0.9	3.5	2.2	1.8	0	1.7	4.3	2.7	2.4	3	2.6
3 Axle Vehicles	13	2	2	17	5	7	13	25	1	3	2	6	5	8	0	13	61
% 3 Axle Vehicles	18.1	1.6	4.1	6.9	7	2.9	11.3	5.8	0.7	0.5	2	0.7	10.6	5.4	0	5.5	3.5
4+ Axle Trucks	38	31	17	86	27	119	61	207	14	24	58	96	16	93	3	112	501
% 4+ Axle Trucks	52.8	25	34.7	35.1	38	49	53	48.3	10.1	4	56.9	11.4	34	62.8	7.3	47.5	28.6

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 06:30 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	8	12	<b>10</b>	30	<b>9</b>	22	13	44	11	<b>120</b>	8	<b>139</b>	5	<b>14</b>	4	23	<b>236</b>
07:45 AM	4	16	9	29	7	27	10	44	15	86	<b>14</b>	115	4	14	5	23	211
08:00 AM	8	<b>22</b>	2	<b>32</b>	6	24	<b>15</b>	45	18	74	10	102	6	8	3	17	196
08:15 AM	<b>12</b>	9	4	25	6	<b>28</b>	13	<b>47</b>	<b>23</b>	48	5	76	<b>7</b>	13	<b>8</b>	<b>28</b>	176
Total Volume	32	59	25	116	28	101	51	180	67	328	37	432	22	49	20	91	819
% App. Total	27.6	50.9	21.6		15.6	56.1	28.3		15.5	75.9	8.6		24.2	53.8	22		
PHF	.667	.670	.625	.906	.778	.902	.850	.957	.728	.683	.661	.777	.786	.875	.625	.813	.868



Peak Hour Analysis From 06:30 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

	07:15 AM				07:45 AM				07:15 AM				07:45 AM			
+0 mins.	9	12	4	25	7	27	10	44	18	62	15	95	4	14	5	23
+15 mins.	8	12	10	30	6	24	15	45	11	120	8	139	6	8	3	17
+30 mins.	4	16	9	29	6	28	13	47	15	86	14	115	7	13	8	28
+45 mins.	8	22	2	32	15	27	15	57	18	74	10	102	6	23	6	35
Total Volume	29	62	25	116	34	106	53	193	62	342	47	451	23	58	22	103
% App. Total	25	53.4	21.6		17.6	54.9	27.5		13.7	75.8	10.4		22.3	56.3	21.4	
PHF	.806	.705	.625	.906	.567	.946	.883	.846	.861	.713	.783	.811	.821	.630	.688	.736

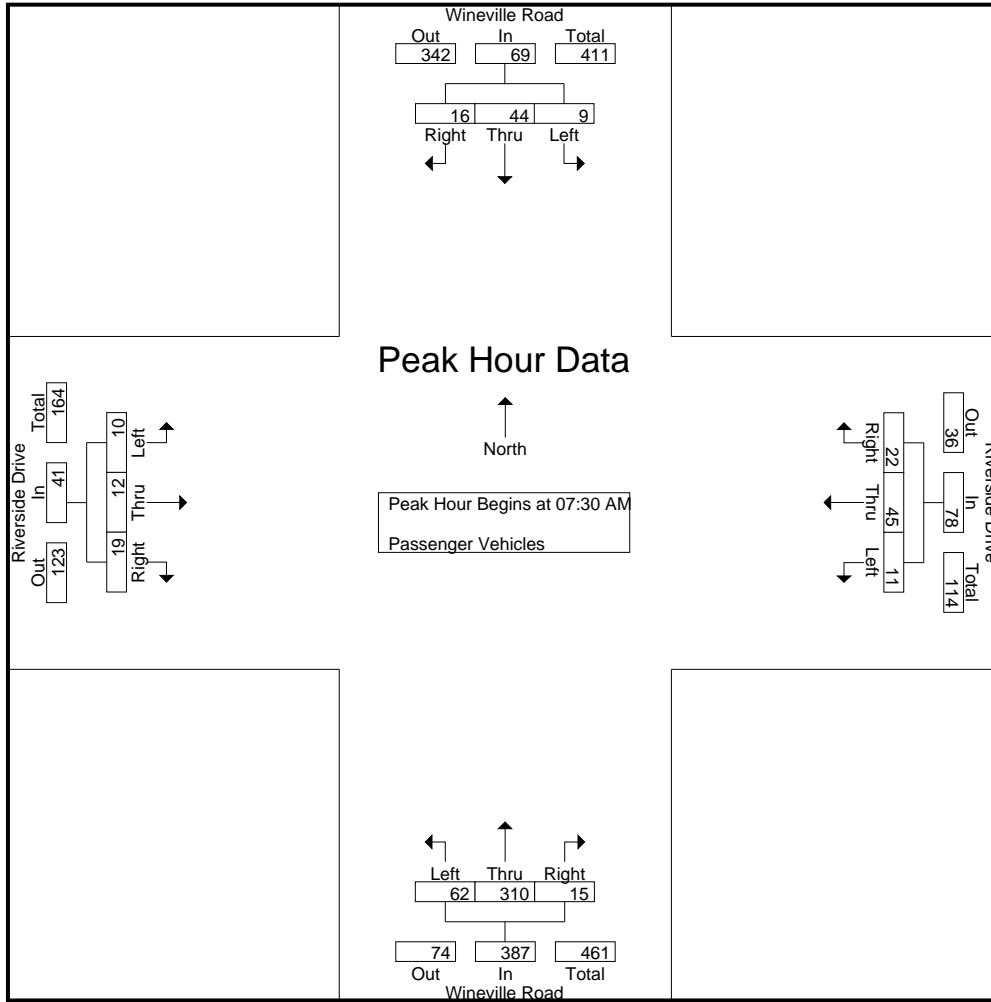
City of Jurupa Valley  
 N/S: Wineville Road  
 E/W: Riverside Drive  
 Weather: Clear

File Name : JVV\_Wine\_RS AM  
 Site Code : 221104  
 Start Date : 11/30/2022  
 Page No : 1

Groups Printed- Passenger Vehicles

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
06:30 AM	2	6	3	11	1	15	3	19	7	32	4	43	1	3	3	7	80
06:45 AM	1	8	0	9	4	10	1	15	17	48	10	75	2	7	2	11	110
Total	3	14	3	20	5	25	4	34	24	80	14	118	3	10	5	18	190
07:00 AM	3	8	5	16	2	8	3	13	6	57	2	65	3	6	1	10	104
07:15 AM	3	9	3	15	2	6	4	12	13	57	5	75	3	4	2	9	111
07:30 AM	3	10	5	18	3	13	5	21	10	115	4	129	3	4	4	11	179
07:45 AM	3	13	6	22	2	12	5	19	13	83	7	103	1	3	4	8	152
Total	12	40	19	71	9	39	17	65	42	312	18	372	10	17	11	38	546
08:00 AM	2	15	1	18	2	9	7	18	18	67	2	87	4	1	3	8	131
08:15 AM	1	6	4	11	4	11	5	20	21	45	2	68	2	4	8	14	113
08:30 AM	1	6	0	7	8	14	3	25	9	43	0	52	2	7	6	15	99
08:45 AM	1	4	1	6	6	10	4	20	6	16	6	28	3	4	4	11	65
Total	5	31	6	42	20	44	19	83	54	171	10	235	11	16	21	48	408
Grand Total	20	85	28	133	34	108	40	182	120	563	42	725	24	43	37	104	1144
Apprch %	15	63.9	21.1		18.7	59.3	22		16.6	77.7	5.8		23.1	41.3	35.6		
Total %	1.7	7.4	2.4	11.6	3	9.4	3.5	15.9	10.5	49.2	3.7	63.4	2.1	3.8	3.2	9.1	

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	3	10	5	18	3	13	5	21	10	115	4	129	3	4	4	11	179
07:45 AM	3	13	6	22	2	12	5	19	13	83	7	103	1	3	4	8	152
08:00 AM	2	15	1	18	2	9	7	18	18	67	2	87	4	1	3	8	131
08:15 AM	1	6	4	11	4	11	5	20	21	45	2	68	2	4	8	14	113
Total Volume	9	44	16	69	11	45	22	78	62	310	15	387	10	12	19	41	575
% App. Total	13	63.8	23.2		14.1	57.7	28.2		16	80.1	3.9		24.4	29.3	46.3		
PHF	.750	.733	.667	.784	.688	.865	.786	.929	.738	.674	.536	.750	.625	.750	.594	.732	.803



Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

	07:30 AM				07:30 AM				07:30 AM				07:30 AM			
+0 mins.	3	10	5	18	3	13	5	21	10	115	4	129	3	4	4	11
+15 mins.	3	13	6	22	2	12	5	19	13	83	7	103	1	3	4	8
+30 mins.	2	15	1	18	2	9	7	18	18	67	2	87	4	1	3	8
+45 mins.	1	6	4	11	4	11	5	20	21	45	2	68	2	4	8	14
Total Volume	9	44	16	69	11	45	22	78	62	310	15	387	10	12	19	41
% App. Total	13	63.8	23.2		14.1	57.7	28.2		16	80.1	3.9		24.4	29.3	46.3	
PHF	.750	.733	.667	.784	.688	.865	.786	.929	.738	.674	.536	.750	.625	.750	.594	.732

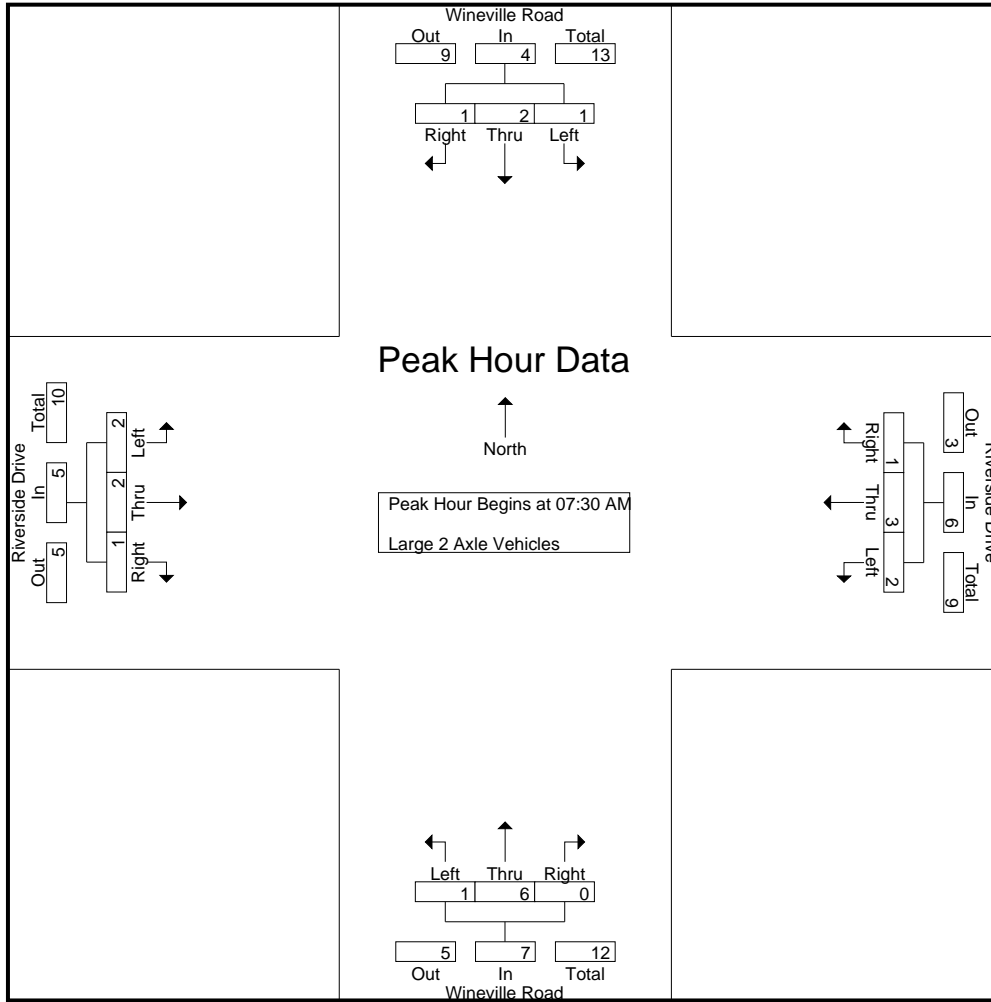
City of Jurupa Valley  
 N/S: Wineville Road  
 E/W: Riverside Drive  
 Weather: Clear

File Name : JVV\_Wine\_RS AM  
 Site Code : 221104  
 Start Date : 11/30/2022  
 Page No : 1

Groups Printed- Large 2 Axle Vehicles

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total	
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total		
06:30 AM	0	0	1	1	1	1	0	2	0	0	0	0	0	0	0	0	0	3
06:45 AM	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	1	2
Total	0	0	1	1	1	2	0	3	0	0	0	0	0	1	0	1	5	
07:00 AM	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	4	
07:15 AM	0	0	0	0	0	1	0	1	2	3	0	5	0	0	0	0	6	
07:30 AM	0	0	1	1	0	2	0	2	0	0	0	0	0	1	0	1	4	
07:45 AM	0	0	0	0	1	0	0	1	0	1	0	1	0	1	1	2	4	
Total	0	1	1	2	1	4	0	5	2	5	0	7	0	3	1	4	18	
08:00 AM	1	2	0	3	1	1	1	3	0	4	0	4	0	0	0	0	10	
08:15 AM	0	0	0	0	0	0	0	0	1	1	0	2	2	0	0	2	4	
08:30 AM	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2	
08:45 AM	0	2	0	2	2	1	0	3	0	1	0	1	0	0	0	0	6	
Total	1	5	0	6	3	3	1	7	1	6	0	7	2	0	0	2	22	
Grand Total	1	6	2	9	5	9	1	15	3	11	0	14	2	4	1	7	45	
Apprch %	11.1	66.7	22.2		33.3	60	6.7		21.4	78.6	0		28.6	57.1	14.3			
Total %	2.2	13.3	4.4	20	11.1	20	2.2	33.3	6.7	24.4	0	31.1	4.4	8.9	2.2	15.6		

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	0	0	1	1	0	2	0	2	0	0	0	0	0	1	0	1	4
07:45 AM	0	0	0	0	1	0	0	1	0	1	0	1	0	1	1	2	4
08:00 AM	1	2	0	3	1	1	1	3	0	4	0	4	0	0	0	0	10
08:15 AM	0	0	0	0	0	0	0	0	1	1	0	2	2	0	0	2	4
Total Volume	1	2	1	4	2	3	1	6	1	6	0	7	2	2	1	5	22
% App. Total	25	50	25		33.3	50	16.7		14.3	85.7	0		40	40	20		
PHF	.250	.250	.250	.333	.500	.375	.250	.500	.250	.375	.000	.438	.250	.500	.250	.625	.550



Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

	07:30 AM				07:30 AM				07:30 AM				07:30 AM			
+0 mins.	0	0	1	1	0	2	0	2	0	0	0	0	0	1	0	1
+15 mins.	0	0	0	0	1	0	0	1	0	1	0	1	0	1	1	2
+30 mins.	1	2	0	3	1	1	1	3	0	4	0	4	0	0	0	0
+45 mins.	0	0	0	0	0	0	0	0	1	1	0	2	2	0	0	2
Total Volume	1	2	1	4	2	3	1	6	1	6	0	7	2	2	1	5
% App. Total	25	50	25		33.3	50	16.7		14.3	85.7	0		40	40	20	
PHF	.250	.250	.250	.333	.500	.375	.250	.500	.250	.375	.000	.438	.250	.500	.250	.625



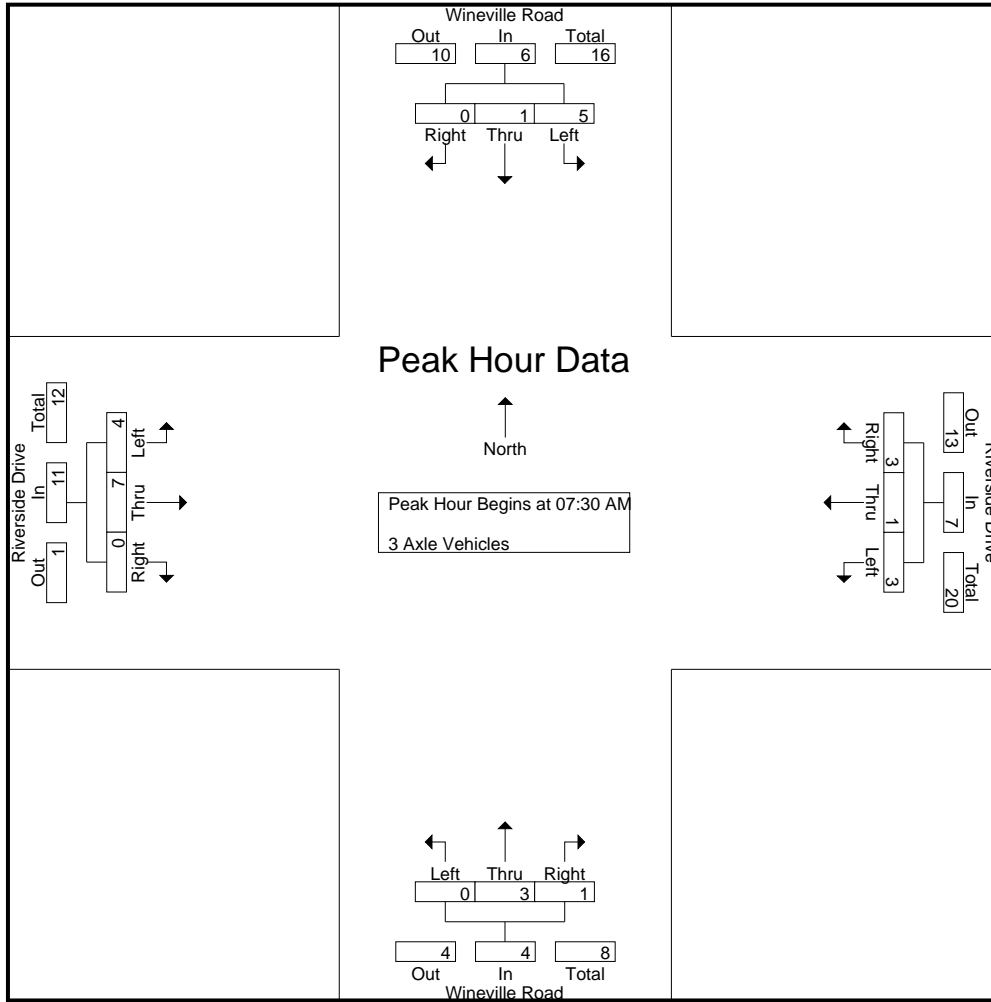
City of Jurupa Valley  
 N/S: Wineville Road  
 E/W: Riverside Drive  
 Weather: Clear

File Name : JVV\_Wine\_RS AM  
 Site Code : 221104  
 Start Date : 11/30/2022  
 Page No : 1

Groups Printed- 3 Axle Vehicles

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total	
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total		
06:30 AM	1	0	0	1	0	0	3	3	0	0	0	0	0	0	0	0	0	4
06:45 AM	0	0	0	0	1	1	2	4	0	0	1	1	0	0	0	0	0	5
Total	1	0	0	1	1	1	5	7	0	0	1	1	0	0	0	0	0	9
07:00 AM	1	0	0	1	0	1	0	1	1	0	0	1	0	1	0	1	1	4
07:15 AM	4	0	0	4	0	3	3	6	0	0	0	0	0	0	0	0	0	10
07:30 AM	1	1	0	2	0	0	0	0	0	3	1	4	1	2	0	3	3	9
07:45 AM	1	0	0	1	2	1	1	4	0	0	0	0	0	3	0	3	3	8
Total	7	1	0	8	2	5	4	11	1	3	1	5	1	6	0	7	7	31
08:00 AM	0	0	0	0	1	0	1	2	0	0	0	0	2	1	0	3	3	5
08:15 AM	3	0	0	3	0	0	1	1	0	0	0	0	1	1	0	2	2	6
08:30 AM	1	0	1	2	1	0	2	3	0	0	0	0	1	0	0	1	1	6
08:45 AM	1	1	1	3	0	1	0	1	0	0	0	0	0	0	0	0	0	4
Total	5	1	2	8	2	1	4	7	0	0	0	0	4	2	0	6	6	21
Grand Total	13	2	2	17	5	7	13	25	1	3	2	6	5	8	0	13	13	61
Apprch %	76.5	11.8	11.8		20	28	52		16.7	50	33.3		38.5	61.5	0			
Total %	21.3	3.3	3.3	27.9	8.2	11.5	21.3	41	1.6	4.9	3.3	9.8	8.2	13.1	0	21.3		

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total	
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total		
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																		
Peak Hour for Entire Intersection Begins at 07:30 AM																		
07:30 AM	1	1	0	2	0	0	0	0	0	3	1	4	1	2	0	3	3	9
07:45 AM	1	0	0	1	2	1	1	4	0	0	0	0	0	3	0	3	3	8
08:00 AM	0	0	0	0	1	0	1	2	0	0	0	0	2	1	0	3	3	5
08:15 AM	3	0	0	3	0	0	1	1	0	0	0	0	1	1	0	2	2	6
Total Volume	5	1	0	6	3	1	3	7	0	3	1	4	4	7	0	11	11	28
% App. Total	83.3	16.7	0		42.9	14.3	42.9		0	75	25		36.4	63.6	0			
PHF	.417	.250	.000	.500	.375	.250	.750	.438	.000	.250	.250	.250	.500	.583	.000	.917		.778



Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

	07:30 AM				07:30 AM				07:30 AM				07:30 AM			
+0 mins.	1	1	0	2	0	0	0	0	0	3	1	4	1	2	0	3
+15 mins.	1	0	0	1	2	1	1	4	0	0	0	0	0	3	0	3
+30 mins.	0	0	0	0	1	0	1	2	0	0	0	0	2	1	0	3
+45 mins.	3	0	0	3	0	0	1	1	0	0	0	0	1	1	0	2
Total Volume	5	1	0	6	3	1	3	7	0	3	1	4	4	7	0	11
% App. Total	83.3	16.7	0		42.9	14.3	42.9		0	75	25		36.4	63.6	0	
PHF	.417	.250	.000	.500	.375	.250	.750	.438	.000	.250	.250	.250	.500	.583	.000	.917

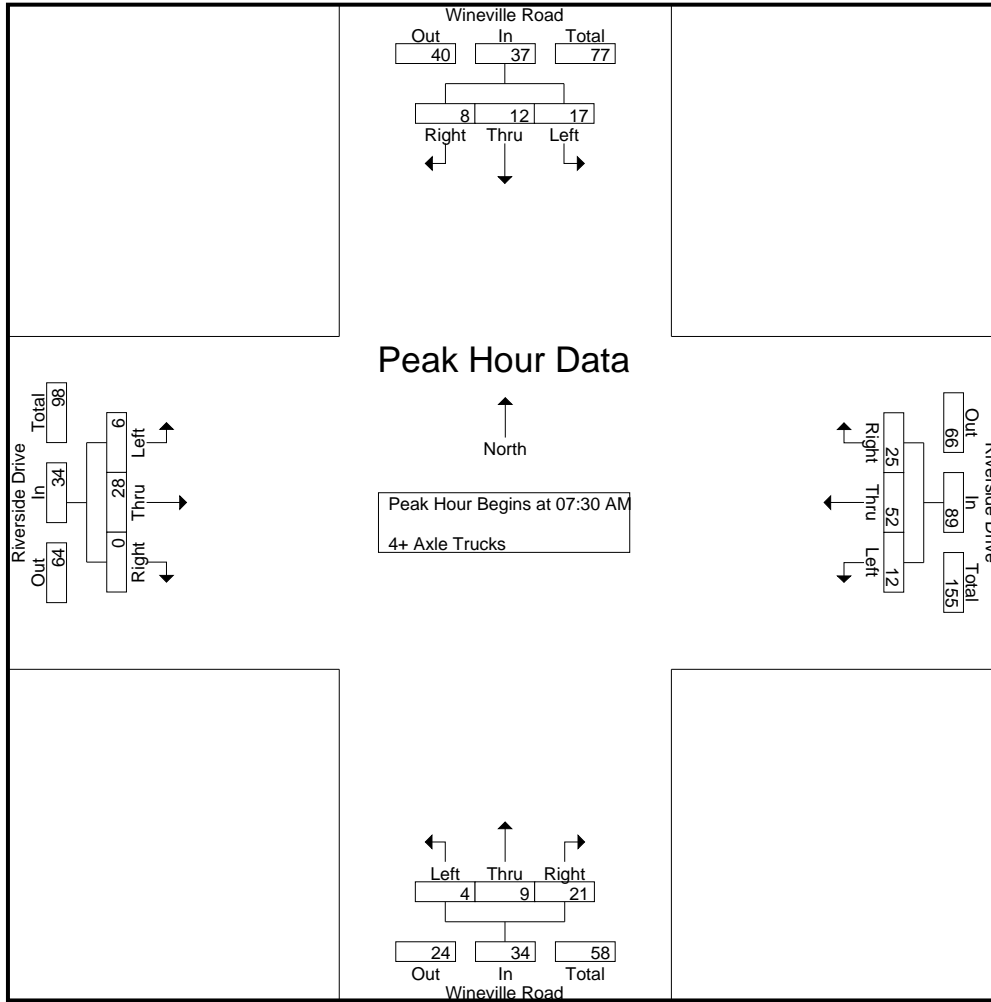
City of Jurupa Valley  
 N/S: Wineville Road  
 E/W: Riverside Drive  
 Weather: Clear

File Name : JVY\_Wine\_RS AM  
 Site Code : 221104  
 Start Date : 11/30/2022  
 Page No : 1

Groups Printed- 4+ Axle Trucks

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
06:30 AM	6	4	1	11	2	11	4	17	0	2	3	5	2	15	0	17	50
06:45 AM	4	4	4	12	0	12	8	20	0	1	5	6	2	5	0	7	45
Total	10	8	5	23	2	23	12	37	0	3	8	11	4	20	0	24	95
07:00 AM	5	3	3	11	2	18	7	27	3	2	8	13	1	13	0	14	65
07:15 AM	2	3	1	6	2	8	3	13	3	2	10	15	0	9	0	9	43
07:30 AM	4	1	4	9	6	7	8	21	1	2	3	6	1	7	0	8	44
07:45 AM	0	3	3	6	2	14	4	20	2	2	7	11	3	7	0	10	47
Total	11	10	11	32	12	47	22	81	9	8	28	45	5	36	0	41	199
08:00 AM	5	5	1	11	2	14	6	22	0	3	8	11	0	6	0	6	50
08:15 AM	8	3	0	11	2	17	7	26	1	2	3	6	2	8	0	10	53
08:30 AM	2	2	0	4	6	12	10	28	3	6	6	15	3	16	0	19	66
08:45 AM	2	3	0	5	3	6	4	13	1	2	5	8	2	7	3	12	38
Total	17	13	1	31	13	49	27	89	5	13	22	40	7	37	3	47	207
Grand Total	38	31	17	86	27	119	61	207	14	24	58	96	16	93	3	112	501
Apprch %	44.2	36	19.8		13	57.5	29.5		14.6	25	60.4		14.3	83	2.7		
Total %	7.6	6.2	3.4	17.2	5.4	23.8	12.2	41.3	2.8	4.8	11.6	19.2	3.2	18.6	0.6	22.4	

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	4	1	4	9	6	7	8	21	1	2	3	6	1	7	0	8	44
07:45 AM	0	3	3	6	2	14	4	20	2	2	7	11	3	7	0	10	47
08:00 AM	5	5	1	11	2	14	6	22	0	3	8	11	0	6	0	6	50
08:15 AM	8	3	0	11	2	17	7	26	1	2	3	6	2	8	0	10	53
Total Volume	17	12	8	37	12	52	25	89	4	9	21	34	6	28	0	34	194
% App. Total	45.9	32.4	21.6		13.5	58.4	28.1		11.8	26.5	61.8		17.6	82.4	0		
PHF	.531	.600	.500	.841	.500	.765	.781	.856	.500	.750	.656	.773	.500	.875	.000	.850	.915



Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

	07:30 AM				07:30 AM				07:30 AM				07:30 AM			
+0 mins.	4	1	4	9	<b>6</b>	7	<b>8</b>	21	1	2	3	6	1	7	0	8
+15 mins.	0	3	3	6	2	14	4	20	<b>2</b>	2	7	<b>11</b>	<b>3</b>	7	0	<b>10</b>
+30 mins.	5	<b>5</b>	1	<b>11</b>	2	14	6	22	0	<b>3</b>	<b>8</b>	11	0	6	0	6
+45 mins.	<b>8</b>	3	0	11	2	<b>17</b>	7	<b>26</b>	1	2	3	6	2	<b>8</b>	0	10
Total Volume	17	12	8	37	12	52	25	89	4	9	21	34	6	28	0	34
% App. Total	45.9	32.4	21.6		13.5	58.4	28.1		11.8	26.5	61.8		17.6	82.4	0	
PHF	.531	.600	.500	.841	.500	.765	.781	.856	.500	.750	.656	.773	.500	.875	.000	.850

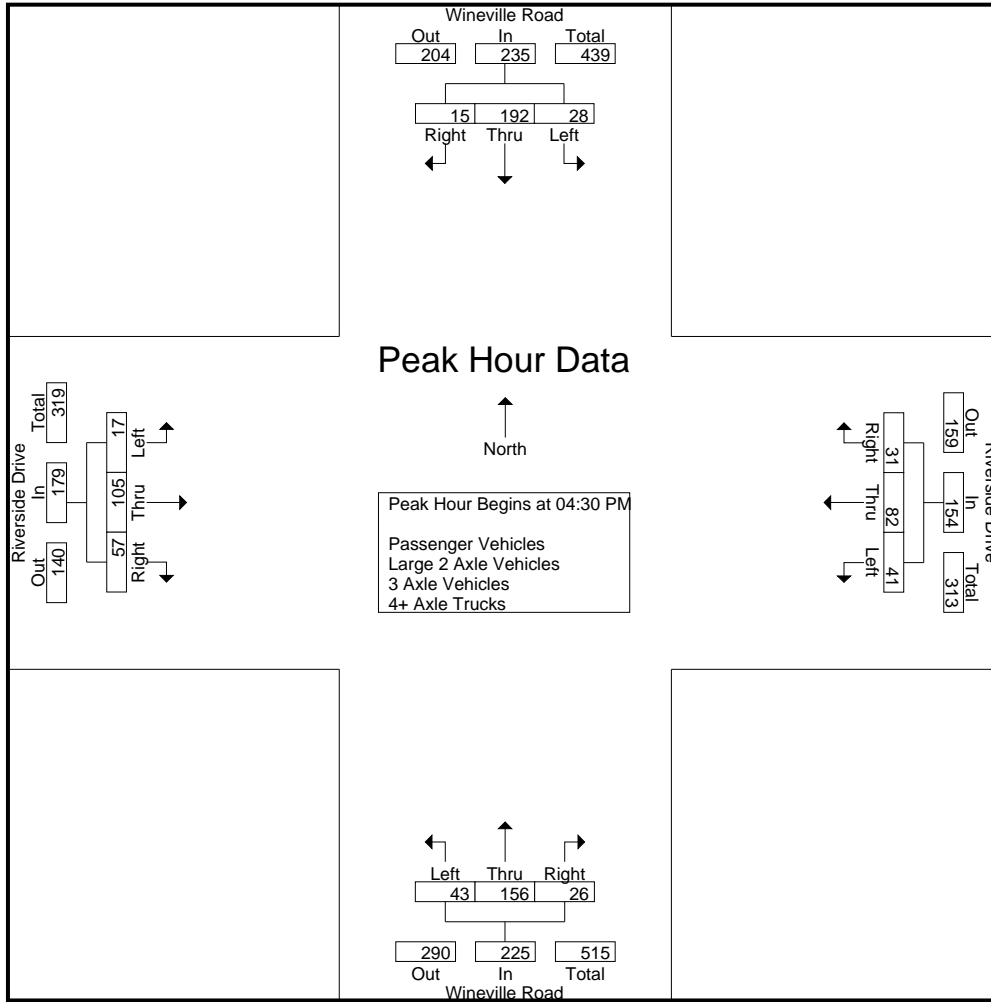
City of Jurupa Valley  
 N/S: Wineville Road  
 E/W: Riverside Drive  
 Weather: Clear

File Name : JVY\_Wine\_RS PM  
 Site Code : 221104  
 Start Date : 11/30/2022  
 Page No : 1

Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
03:30 PM	7	23	2	32	18	16	13	47	7	38	5	50	9	19	14	42	171
03:45 PM	7	57	6	70	8	17	13	38	5	24	7	36	7	21	14	42	186
Total	14	80	8	102	26	33	26	85	12	62	12	86	16	40	28	84	357
04:00 PM	8	47	7	62	11	26	13	50	10	24	8	42	6	17	10	33	187
04:15 PM	9	52	5	66	5	18	8	31	10	38	2	50	7	15	12	34	181
04:30 PM	12	43	5	60	18	20	15	53	12	37	7	56	5	36	22	63	232
04:45 PM	5	49	2	56	6	17	8	31	9	37	8	54	4	19	12	35	176
Total	34	191	19	244	40	81	44	165	41	136	25	202	22	87	56	165	776
05:00 PM	9	46	4	59	8	26	4	38	15	44	5	64	4	22	14	40	201
05:15 PM	2	54	4	60	9	19	4	32	7	38	6	51	4	28	9	41	184
05:30 PM	6	46	6	58	9	21	6	36	10	28	4	42	6	12	8	26	162
05:45 PM	8	40	6	54	16	26	8	50	13	32	6	51	3	26	12	41	196
Total	25	186	20	231	42	92	22	156	45	142	21	208	17	88	43	148	743
Grand Total	73	457	47	577	108	206	92	406	98	340	58	496	55	215	127	397	1876
Apprch %	12.7	79.2	8.1		26.6	50.7	22.7		19.8	68.5	11.7		13.9	54.2	32		
Total %	3.9	24.4	2.5	30.8	5.8	11	4.9	21.6	5.2	18.1	3.1	26.4	2.9	11.5	6.8	21.2	
Passenger Vehicles	38	404	33	475	73	144	55	272	88	285	38	411	29	179	108	316	1474
% Passenger Vehicles	52.1	88.4	70.2	82.3	67.6	69.9	59.8	67	89.8	83.8	65.5	82.9	52.7	83.3	85	79.6	78.6
Large 2 Axle Vehicles	0	13	1	14	3	4	2	9	5	18	1	24	1	2	7	10	57
% Large 2 Axle Vehicles	0	2.8	2.1	2.4	2.8	1.9	2.2	2.2	5.1	5.3	1.7	4.8	1.8	0.9	5.5	2.5	3
3 Axle Vehicles	8	10	1	19	5	8	4	17	1	4	4	9	4	5	2	11	56
% 3 Axle Vehicles	11	2.2	2.1	3.3	4.6	3.9	4.3	4.2	1	1.2	6.9	1.8	7.3	2.3	1.6	2.8	3
4+ Axle Trucks	27	30	12	69	27	50	31	108	4	33	15	52	21	29	10	60	289
% 4+ Axle Trucks	37	6.6	25.5	12	25	24.3	33.7	26.6	4.1	9.7	25.9	10.5	38.2	13.5	7.9	15.1	15.4

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 03:30 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	12	43	5	60	18	20	15	53	12	37	7	56	5	36	22	63	232
04:45 PM	5	49	2	56	6	17	8	31	9	37	8	54	4	19	12	35	176
05:00 PM	9	46	4	59	8	26	4	38	15	44	5	64	4	22	14	40	201
05:15 PM	2	54	4	60	9	19	4	32	7	38	6	51	4	28	9	41	184
Total Volume	28	192	15	235	41	82	31	154	43	156	26	225	17	105	57	179	793
% App. Total	11.9	81.7	6.4		26.6	53.2	20.1		19.1	69.3	11.6		9.5	58.7	31.8		
PHF	.583	.889	.750	.979	.569	.788	.517	.726	.717	.886	.813	.879	.850	.729	.648	.710	.855



Peak Hour Analysis From 03:30 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

	03:45 PM				03:45 PM				04:30 PM				04:30 PM			
+0 mins.	7	<b>57</b>	6	<b>70</b>	8	17	13	38	12	37	7	56	<b>5</b>	<b>36</b>	<b>22</b>	<b>63</b>
+15 mins.	8	47	<b>7</b>	62	11	<b>26</b>	13	50	9	37	<b>8</b>	54	4	19	12	35
+30 mins.	9	52	5	66	5	18	8	31	<b>15</b>	<b>44</b>	5	<b>64</b>	4	22	14	40
+45 mins.	<b>12</b>	43	5	60	<b>18</b>	20	<b>15</b>	<b>53</b>	7	38	6	51	4	28	9	41
Total Volume	36	199	23	258	42	81	49	172	43	156	26	225	17	105	57	179
% App. Total	14	77.1	8.9		24.4	47.1	28.5		19.1	69.3	11.6		9.5	58.7	31.8	
PHF	.750	.873	.821	.921	.583	.779	.817	.811	.717	.886	.813	.879	.850	.729	.648	.710

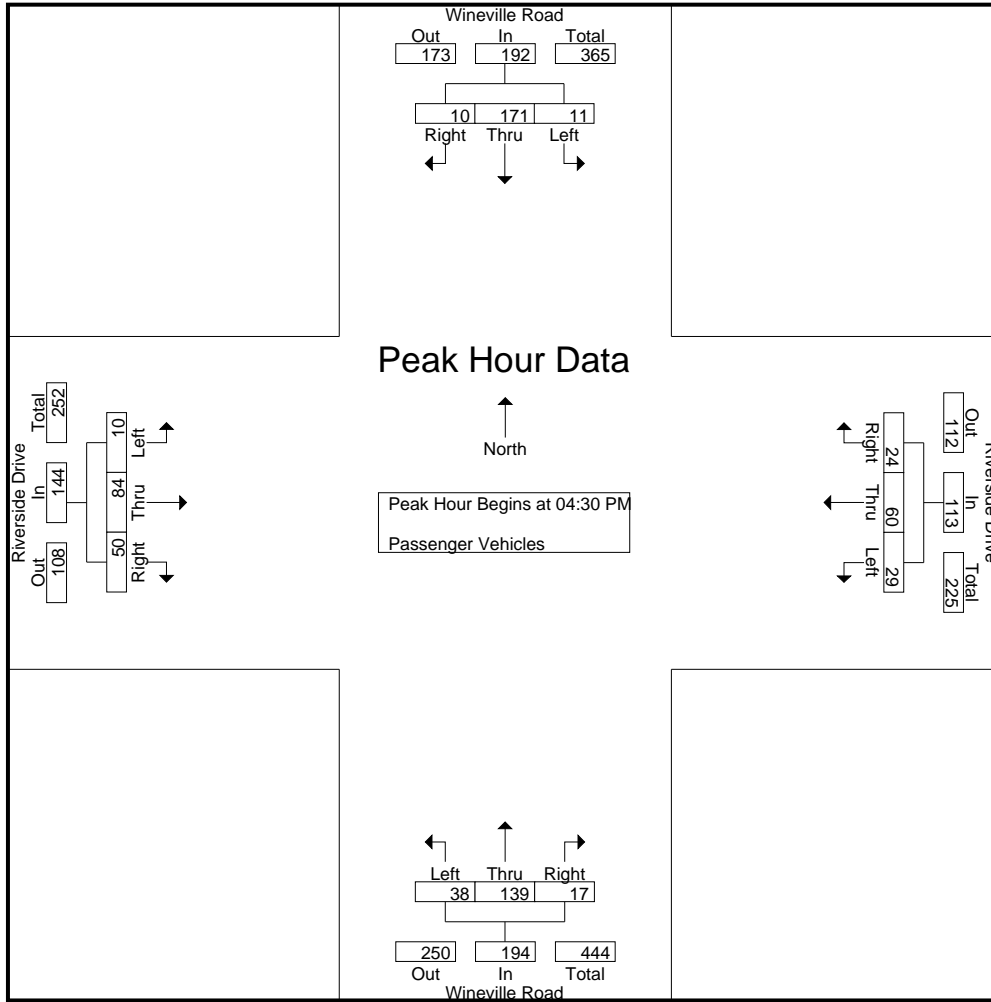
City of Jurupa Valley  
 N/S: Wineville Road  
 E/W: Riverside Drive  
 Weather: Clear

File Name : JVY\_Wine\_RS PM  
 Site Code : 221104  
 Start Date : 11/30/2022  
 Page No : 1

Groups Printed- Passenger Vehicles

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
03:30 PM	4	19	0	23	17	10	5	32	5	36	3	44	5	15	14	34	133
03:45 PM	5	53	5	63	3	12	4	19	5	17	4	26	2	19	11	32	140
Total	9	72	5	86	20	22	9	51	10	53	7	70	7	34	25	66	273
04:00 PM	5	37	6	48	9	19	6	34	8	18	6	32	2	15	9	26	140
04:15 PM	6	45	3	54	2	13	5	20	10	29	2	41	6	13	9	28	143
04:30 PM	4	39	2	45	14	16	12	42	12	33	5	50	4	32	22	58	195
04:45 PM	3	42	2	47	4	14	6	24	8	33	4	45	2	13	10	25	141
Total	18	163	13	194	29	62	29	120	38	113	17	168	14	73	50	137	619
05:00 PM	2	43	4	49	5	22	3	30	11	37	4	52	3	16	10	29	160
05:15 PM	2	47	2	51	6	8	3	17	7	36	4	47	1	23	8	32	147
05:30 PM	2	40	4	46	6	15	5	26	10	20	2	32	3	11	6	20	124
05:45 PM	5	39	5	49	7	15	6	28	12	26	4	42	1	22	9	32	151
Total	11	169	15	195	24	60	17	101	40	119	14	173	8	72	33	113	582
Grand Total	38	404	33	475	73	144	55	272	88	285	38	411	29	179	108	316	1474
Apprch %	8	85.1	6.9		26.8	52.9	20.2		21.4	69.3	9.2		9.2	56.6	34.2		
Total %	2.6	27.4	2.2	32.2	5	9.8	3.7	18.5	6	19.3	2.6	27.9	2	12.1	7.3	21.4	

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	4	39	2	45	14	16	12	42	12	33	5	50	4	32	22	58	195
04:45 PM	3	42	2	47	4	14	6	24	8	33	4	45	2	13	10	25	141
05:00 PM	2	43	4	49	5	22	3	30	11	37	4	52	3	16	10	29	160
05:15 PM	2	47	2	51	6	8	3	17	7	36	4	47	1	23	8	32	147
Total Volume	11	171	10	192	29	60	24	113	38	139	17	194	10	84	50	144	643
% App. Total	5.7	89.1	5.2		25.7	53.1	21.2		19.6	71.6	8.8		6.9	58.3	34.7		
PHF	.688	.910	.625	.941	.518	.682	.500	.673	.792	.939	.850	.933	.625	.656	.568	.621	.824



Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

	04:30 PM				04:30 PM				04:30 PM				04:30 PM			
+0 mins.	4	39	2	45	14	16	12	42	12	33	5	50	4	32	22	58
+15 mins.	3	42	2	47	4	14	6	24	8	33	4	45	2	13	10	25
+30 mins.	2	43	4	49	5	22	3	30	11	37	4	52	3	16	10	29
+45 mins.	2	47	2	51	6	8	3	17	7	36	4	47	1	23	8	32
Total Volume	11	171	10	192	29	60	24	113	38	139	17	194	10	84	50	144
% App. Total	5.7	89.1	5.2		25.7	53.1	21.2		19.6	71.6	8.8		6.9	58.3	34.7	
PHF	.688	.910	.625	.941	.518	.682	.500	.673	.792	.939	.850	.933	.625	.656	.568	.621



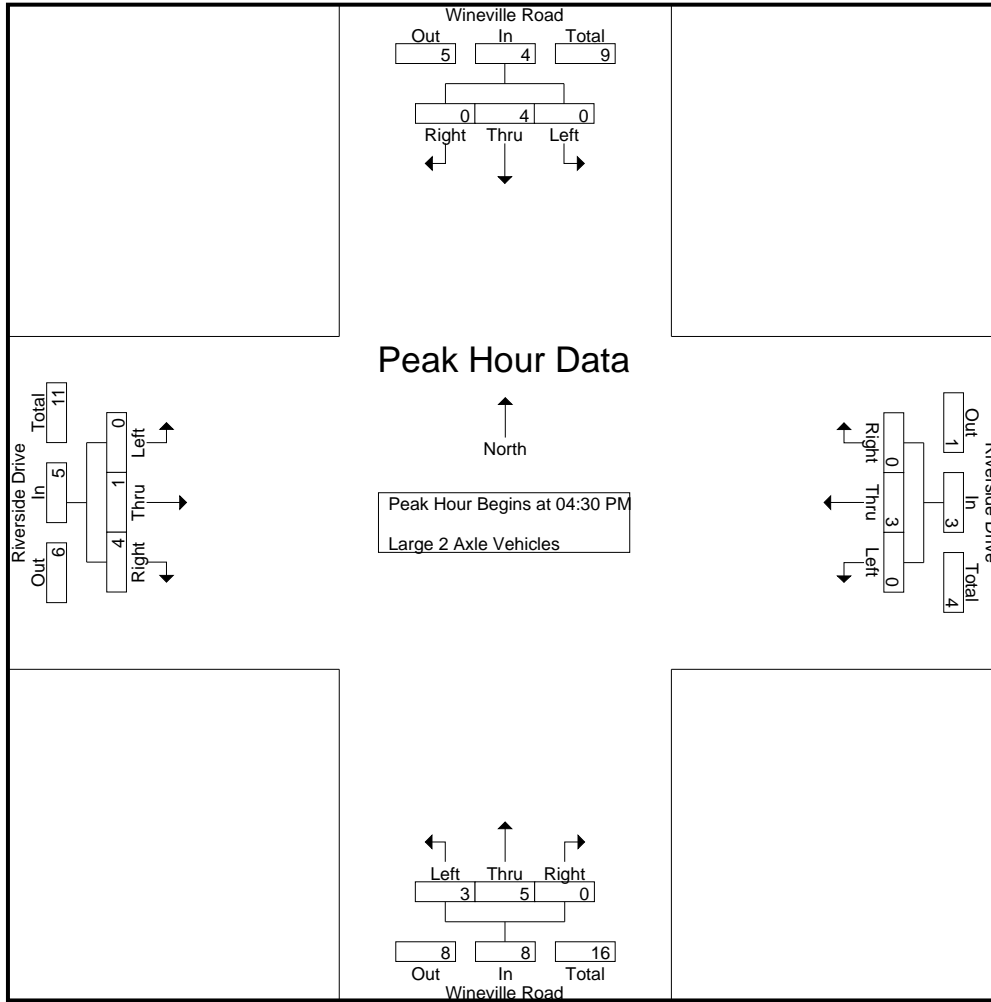
City of Jurupa Valley  
 N/S: Wineville Road  
 E/W: Riverside Drive  
 Weather: Clear

File Name : JVV\_Wine\_RS PM  
 Site Code : 221104  
 Start Date : 11/30/2022  
 Page No : 1

Groups Printed- Large 2 Axle Vehicles

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
03:30 PM	0	1	0	1	1	0	1	2	0	0	1	1	0	1	0	1	5
03:45 PM	0	0	0	0	2	0	0	2	0	1	0	1	0	0	2	2	5
Total	0	1	0	1	3	0	1	4	0	1	1	2	0	1	2	3	10
04:00 PM	0	5	0	5	0	1	0	1	1	3	0	4	0	0	0	0	10
04:15 PM	0	3	1	4	0	0	0	0	0	3	0	3	0	0	0	0	7
04:30 PM	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	2
04:45 PM	0	2	0	2	0	2	0	2	0	0	0	0	0	0	1	1	5
Total	0	11	1	12	0	3	0	3	1	7	0	8	0	0	1	1	24
05:00 PM	0	0	0	0	0	0	0	0	3	3	0	6	0	1	3	4	10
05:15 PM	0	1	0	1	0	1	0	1	0	1	0	1	0	0	0	0	3
05:30 PM	0	0	0	0	0	0	0	0	0	3	0	3	1	0	0	1	4
05:45 PM	0	0	0	0	0	0	1	1	1	3	0	4	0	0	1	1	6
Total	0	1	0	1	0	1	1	2	4	10	0	14	1	1	4	6	23
Grand Total	0	13	1	14	3	4	2	9	5	18	1	24	1	2	7	10	57
Apprch %	0	92.9	7.1		33.3	44.4	22.2		20.8	75	4.2		10	20	70		
Total %	0	22.8	1.8	24.6	5.3	7	3.5	15.8	8.8	31.6	1.8	42.1	1.8	3.5	12.3	17.5	

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	2
04:45 PM	0	2	0	2	0	2	0	2	0	0	0	0	0	0	1	1	5
05:00 PM	0	0	0	0	0	0	0	0	3	3	0	6	0	1	3	4	10
05:15 PM	0	1	0	1	0	1	0	1	0	1	0	1	0	0	0	0	3
Total Volume	0	4	0	4	0	3	0	3	3	5	0	8	0	1	4	5	20
% App. Total	0	100	0		0	100	0		37.5	62.5	0		0	20	80		
PHF	.000	.500	.000	.500	.000	.375	.000	.375	.250	.417	.000	.333	.000	.250	.333	.313	.500



Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

	04:30 PM				04:30 PM				04:30 PM				04:30 PM			
+0 mins.	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0
+15 mins.	0	2	0	2	0	2	0	2	0	0	0	0	0	0	0	1
+30 mins.	0	0	0	0	0	0	0	0	3	3	0	6	0	1	3	4
+45 mins.	0	1	0	1	0	1	0	1	0	1	0	1	0	0	0	0
Total Volume	0	4	0	4	0	3	0	3	3	5	0	8	0	1	4	5
% App. Total	0	100	0	0	0	100	0	0	37.5	62.5	0	0	0	20	80	0
PHF	.000	.500	.000	.500	.000	.375	.000	.375	.250	.417	.000	.333	.000	.250	.333	.313

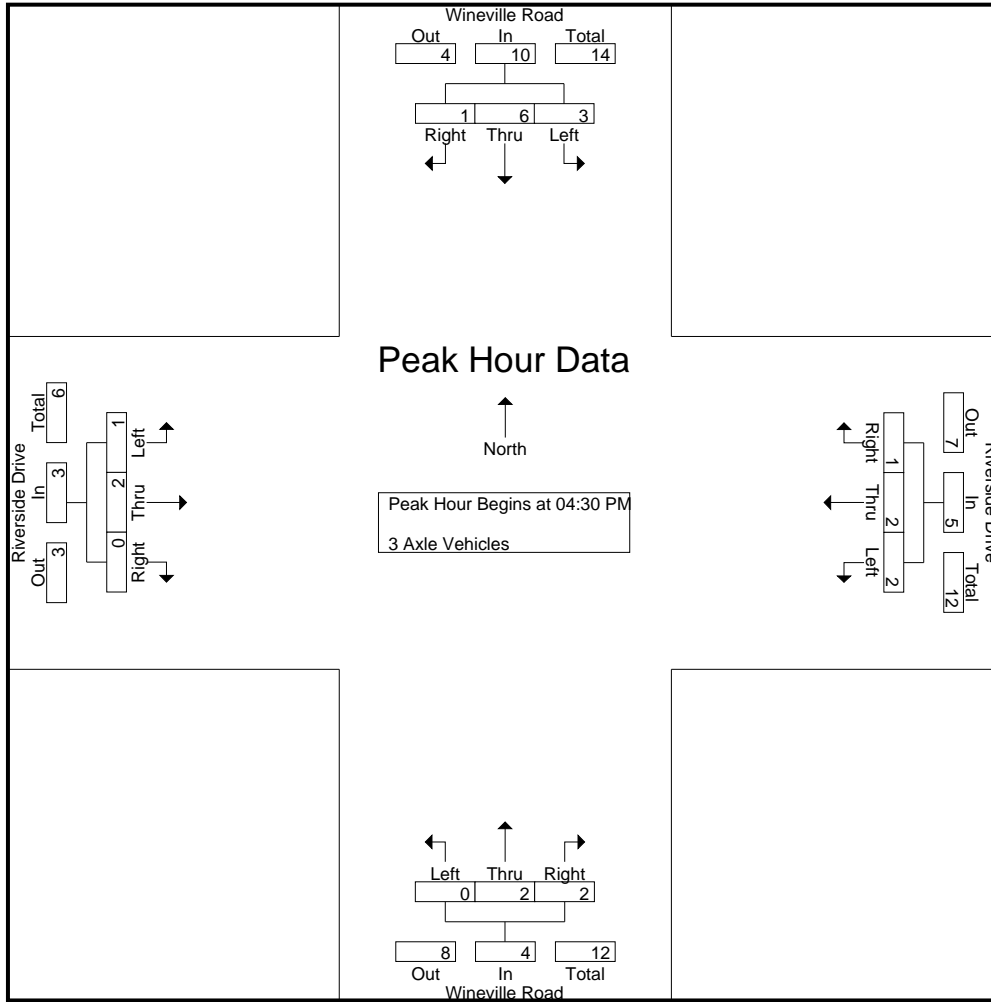
City of Jurupa Valley  
 N/S: Wineville Road  
 E/W: Riverside Drive  
 Weather: Clear

File Name : JVV\_Wine\_RS PM  
 Site Code : 221104  
 Start Date : 11/30/2022  
 Page No : 1

Groups Printed- 3 Axle Vehicles

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
03:30 PM	2	1	0	3	0	1	1	2	0	0	1	1	1	1	0	2	8
03:45 PM	0	1	0	1	0	2	1	3	0	0	0	0	1	1	0	2	6
Total	2	2	0	4	0	3	2	5	0	0	1	1	2	2	0	4	14
04:00 PM	1	0	0	1	0	1	1	2	1	0	0	1	0	1	0	1	5
04:15 PM	0	1	0	1	0	0	0	0	0	1	0	1	1	0	1	2	4
04:30 PM	1	2	1	4	1	1	0	2	0	1	1	2	0	0	0	0	8
04:45 PM	1	1	0	2	0	0	1	1	0	0	0	0	0	0	0	0	3
Total	3	4	1	8	1	2	2	5	1	2	1	4	1	1	1	3	20
05:00 PM	1	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1	3
05:15 PM	0	3	0	3	1	0	0	1	0	1	1	2	0	2	0	2	8
05:30 PM	1	1	0	2	1	1	0	2	0	0	0	0	0	0	0	0	4
05:45 PM	1	0	0	1	2	1	0	3	0	1	1	2	0	0	1	1	7
Total	3	4	0	7	4	3	0	7	0	2	2	4	1	2	1	4	22
Grand Total	8	10	1	19	5	8	4	17	1	4	4	9	4	5	2	11	56
Apprch %	42.1	52.6	5.3		29.4	47.1	23.5		11.1	44.4	44.4		36.4	45.5	18.2		
Total %	14.3	17.9	1.8	33.9	8.9	14.3	7.1	30.4	1.8	7.1	7.1	16.1	7.1	8.9	3.6	19.6	

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	1	2	1	4	1	1	0	2	0	1	1	2	0	0	0	0	8
04:45 PM	1	1	0	2	0	0	1	1	0	0	0	0	0	0	0	0	3
05:00 PM	1	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1	3
05:15 PM	0	3	0	3	1	0	0	1	0	1	1	2	0	2	0	2	8
Total Volume	3	6	1	10	2	2	1	5	0	2	2	4	1	2	0	3	22
% App. Total	30	60	10		40	40	20		0	50	50		33.3	66.7	0		
PHF	.750	.500	.250	.625	.500	.500	.250	.625	.000	.500	.500	.500	.250	.250	.000	.375	.688



Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

	04:30 PM				04:30 PM				04:30 PM				04:30 PM			
+0 mins.	1	2	1	4	1	1	0	2	0	1	1	2	0	0	0	0
+15 mins.	1	1	0	2	0	0	1	1	0	0	0	0	0	0	0	0
+30 mins.	1	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1
+45 mins.	0	3	0	3	1	0	0	1	0	1	1	2	0	2	0	2
Total Volume	3	6	1	10	2	2	1	5	0	2	2	4	1	2	0	3
% App. Total	30	60	10		40	40	20		0	50	50		33.3	66.7	0	
PHF	.750	.500	.250	.625	.500	.500	.250	.625	.000	.500	.500	.500	.250	.250	.000	.375

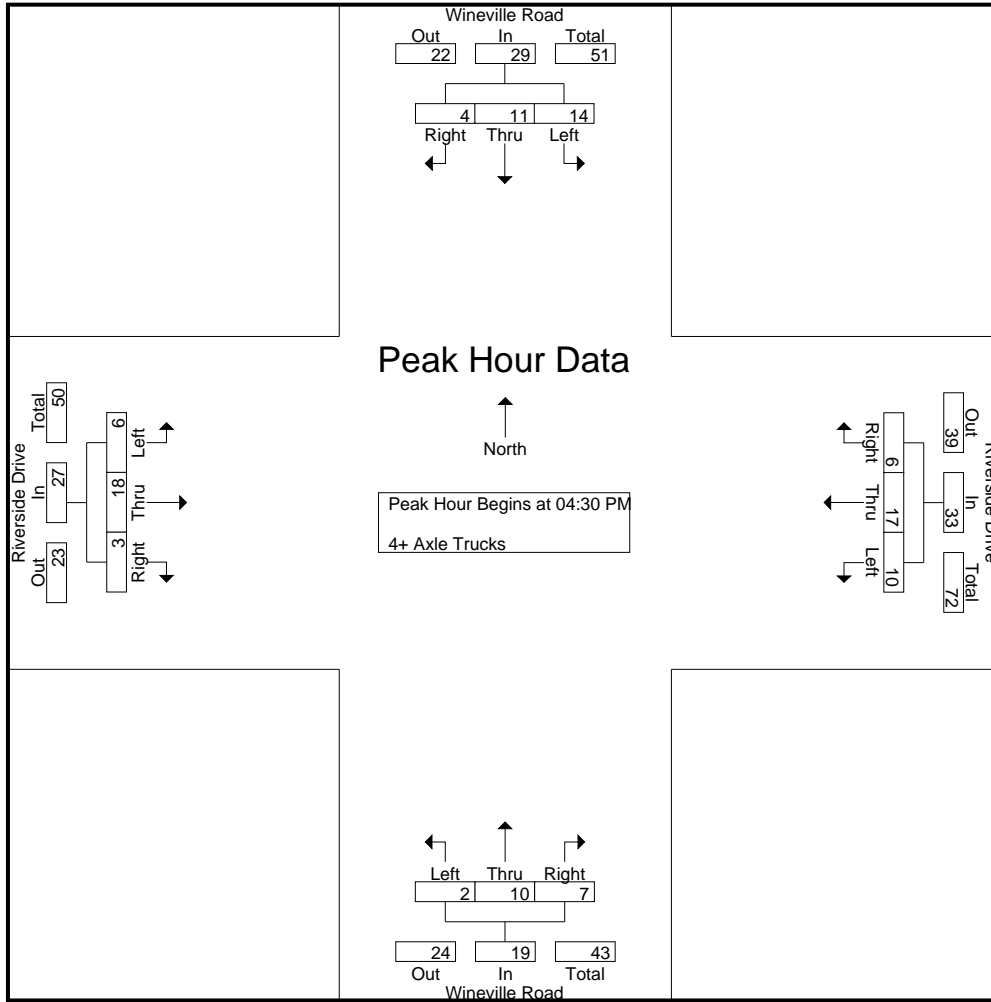
City of Jurupa Valley  
 N/S: Wineville Road  
 E/W: Riverside Drive  
 Weather: Clear

File Name : JVV\_Wine\_RS PM  
 Site Code : 221104  
 Start Date : 11/30/2022  
 Page No : 1

Groups Printed- 4+ Axle Trucks

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
03:30 PM	1	2	2	5	0	5	6	11	2	2	0	4	3	2	0	5	25
03:45 PM	2	3	1	6	3	3	8	14	0	6	3	9	4	1	1	6	35
Total	3	5	3	11	3	8	14	25	2	8	3	13	7	3	1	11	60
04:00 PM	2	5	1	8	2	5	6	13	0	3	2	5	4	1	1	6	32
04:15 PM	3	3	1	7	3	5	3	11	0	5	0	5	0	2	2	4	27
04:30 PM	7	1	2	10	3	3	3	9	0	2	1	3	1	4	0	5	27
04:45 PM	1	4	0	5	2	1	1	4	1	4	4	9	2	6	1	9	27
Total	13	13	4	30	10	14	13	37	1	14	7	22	7	13	4	24	113
05:00 PM	6	3	0	9	3	3	1	7	1	4	1	6	0	5	1	6	28
05:15 PM	0	3	2	5	2	10	1	13	0	0	1	1	3	3	1	7	26
05:30 PM	3	5	2	10	2	5	1	8	0	5	2	7	2	1	2	5	30
05:45 PM	2	1	1	4	7	10	1	18	0	2	1	3	2	4	1	7	32
Total	11	12	5	28	14	28	4	46	1	11	5	17	7	13	5	25	116
Grand Total	27	30	12	69	27	50	31	108	4	33	15	52	21	29	10	60	289
Apprch %	39.1	43.5	17.4		25	46.3	28.7		7.7	63.5	28.8		35	48.3	16.7		
Total %	9.3	10.4	4.2	23.9	9.3	17.3	10.7	37.4	1.4	11.4	5.2	18	7.3	10	3.5	20.8	

Start Time	Wineville Road Southbound				Riverside Drive Westbound				Wineville Road Northbound				Riverside Drive Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	7	1	2	10	3	3	3	9	0	2	1	3	1	4	0	5	27
04:45 PM	1	4	0	5	2	1	1	4	1	4	4	9	2	6	1	9	27
05:00 PM	6	3	0	9	3	3	1	7	1	4	1	6	0	5	1	6	28
05:15 PM	0	3	2	5	2	10	1	13	0	0	1	1	3	3	1	7	26
Total Volume	14	11	4	29	10	17	6	33	2	10	7	19	6	18	3	27	108
% App. Total	48.3	37.9	13.8		30.3	51.5	18.2		10.5	52.6	36.8		22.2	66.7	11.1		
PHF	.500	.688	.500	.725	.833	.425	.500	.635	.500	.625	.438	.528	.500	.750	.750	.750	.964



Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

	04:30 PM				04:30 PM				04:30 PM				04:30 PM			
+0 mins.	7	1	2	10	3	3	3	9	0	2	1	3	1	4	0	5
+15 mins.	1	4	0	5	2	1	1	4	1	4	4	9	2	6	1	9
+30 mins.	6	3	0	9	3	3	1	7	1	4	1	6	0	5	1	6
+45 mins.	0	3	2	5	2	10	1	13	0	0	1	1	3	3	1	7
Total Volume	14	11	4	29	10	17	6	33	2	10	7	19	6	18	3	27
% App. Total	48.3	37.9	13.8		30.3	51.5	18.2		10.5	52.6	36.8		22.2	66.7	11.1	
PHF	.500	.688	.500	.725	.833	.425	.500	.635	.500	.625	.438	.528	.500	.750	.750	.750

Location: Jurupa Valley  
 N/S: Wineville Road  
 E/W: Riverside Drive



Date: 11/30/2022  
 Day: Wednesday

**PEDESTRIANS**

	North Leg Wineville Road	East Leg Riverside Drive	South Leg Wineville Road	West Leg Riverside Drive	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
6:30 AM	0	0	0	0	0
6:45 AM	0	0	0	0	0
7:00 AM	0	0	0	0	0
7:15 AM	0	0	0	0	0
7:30 AM	0	0	0	0	0
7:45 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:15 AM	0	1	0	0	1
8:30 AM	0	0	0	0	0
8:45 AM	0	0	0	0	0
<b>TOTAL VOLUMES:</b>	0	1	0	0	1

	North Leg Wineville Road	East Leg Riverside Drive	South Leg Wineville Road	West Leg Riverside Drive	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
3:30 PM	0	0	0	0	0
3:45 PM	0	0	0	0	0
4:00 PM	0	0	0	0	0
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	0	0	0	0
5:00 PM	0	0	0	0	0
5:15 PM	0	0	0	0	0
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	0	0
<b>TOTAL VOLUMES:</b>	0	0	0	0	0

Location: Jurupa Valley  
 N/S: Wineville Road  
 E/W: Riverside Drive



Date: 11/30/2022  
 Day: Wednesday

BICYCLES

	Southbound Wineville Road			Westbound Riverside Drive			Northbound Wineville Road			Eastbound Riverside Drive			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
6:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0

	Southbound Wineville Road			Westbound Riverside Drive			Northbound Wineville Road			Eastbound Riverside Drive			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
3:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0