

**TABLE 5-1
PROJECT TRIP GENERATION RATES AND FORECAST²**

Description	Daily 2-Way	AM Peak Hour			PM Peak Hour		
		Enter	Exit	Total	Enter	Exit	Total
<u>Trip Generation Rates:</u>							
▪ Empirical Trip Generation Estimation for Speed Wash (TE/LFWT) ³	8.663	0.275	0.204	0.479	0.450	0.463	0.913
▪ 931: Quality Restaurant (TE/TSF)	83.84	50%	50%	0.73	67%	33%	7.80
▪ 937: Coffee/Donut Shop With Drive-Through Window (TE/TSF)	820.38	51%	49%	88.99	50%	50%	43.38
<u>Existing Vacant Trip Generation Forecasts:</u>							
▪ Hometown Buffet (10,000 SF)	838	4	3	7	52	26	78
Pass-by Trips ⁴	<u>-84</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>-13</u>	<u>-7</u>	<u>-20</u>
Existing Restaurant Total	754	4	3	7	39	19	58
<u>Proposed Project Trip Generation Forecasts:</u>							
▪ Dutch Brothers Coffee (950 SF)	779	43	42	85	21	20	41
Pass-by Trips ⁴	<u>-195</u>	<u>-11</u>	<u>-10</u>	<u>-21</u>	<u>-5</u>	<u>-5</u>	<u>-10</u>
Dutch Brothers Coffee Subtotal	584	32	32	64	16	15	31
▪ Express Wash (130 LFWT)	1,126	36	26	62	59	60	119
Pass-by Trips ⁴	<u>-282</u>	<u>-9</u>	<u>-7</u>	<u>-16</u>	<u>-15</u>	<u>-15</u>	<u>-30</u>
Express Wash Subtotal	844	27	19	46	44	45	89
Proposed Project Total	1,428	59	51	110	60	60	120
Total Net Project Trip Generation	674	55	48	103	21	41	62

Notes:

- TE/LFWT = Trip end per Linear Feet Wash Tunnel
- TE/TSF = Trip end per 1,000 SF

² Source: *Trip Generation*, 10th Edition, Institute of Transportation Engineers (ITE), Washington, D.C. (2017).

³ Based on driveway traffic counts conducted on Friday (2/7/2014) at Victorville Speedwash (12147 Industrial Boulevard, Victorville). Refer to *Appendix B* for the Victorville Speedwash driveway traffic count details utilized to develop the express wash trip rates.

⁴ Pass-By Trips are trips made as intermediate stops on the way from an origin to a primary trip destination. Pass-by trips are attracted from traffic passing the site on adjacent streets, which contain direct access to the generator. For this analysis, the following pass-by reduction factors were used (Source: *Trip Generation Handbook, 3rd Edition*, ITE 2017):

- 931: Quality Restaurant: Daily/AM peak hour/PM peak hour – Assume 10%/0%/25%
- 937: Coffee/Donut Shop With Drive-Through Window: Daily/AM peak hour/PM peak hour – Assume 25%/25%/25%
- Express Wash: Daily/AM peak hour/PM peak hour – Assume 25%/25%/25%