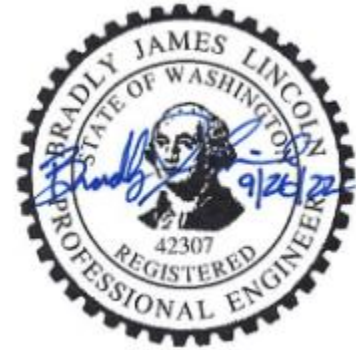


## MEMORANDUM

To: Jesse Hannahs, PE, City of Marysville Traffic Engineer  
From: Brad Lincoln, PE  
Project: Olympic Vista Development  
Subject: Traffic Analysis  
Date: September 26, 2022



Kimley-Horn and Associates, Inc. has been retained to provide a traffic analysis for the Olympic Vista development. The site is located along the west side of Sunnyside Boulevard north of 41<sup>st</sup> Street NE. A site vicinity map is included in Figure 1.



**Figure 1: Site Vicinity Map**

The Olympic Vista development is proposed to consist of 24 single-family detached residential units. There is one existing single-family detached unit on the site that will remain. The Olympic Vista development is there proposed to consist of 3 new units. The development is proposed to connect 59<sup>th</sup> Drive NE with the stub-roads north and south of the site and an internal public road.

## 1. TRIP GENERATION

The Olympic Vista development is proposed to include 24 single-family detached residential units. There is one existing single-family detached unit on the site which will remain and is creditable to the development. The trip generation calculations have been performed using data published by the Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11<sup>th</sup> Edition* (2021). The average trip generation rates for ITE Land Use Code (LUC) 210, Single-Family Detached Housing, have been utilized for the trip generation calculations. The City of Marysville dictates the use of a trip generation rate of 1.00 PM peak-hour trips per unit, even though the ITE data shows a lower trip generation rate. The trip generation of the 23 new units of the Olympic Vista development is summarized in Table 1.

**Table 1: Trip Generation Summary**

23 New Units Single-Family Detached	Average Daily Trips			AM Peak-Hour Trips			PM Peak-Hour Trips		
	In	Out	Total	In	Out	Total	In	Out	Total
Generation Rate	9.43 trips per unit			0.70 trips per unit			1.00 trips per unit		
Splits	50%	50%	100%	26%	74%	100%	63%	37%	100%
Trips	108.45	108.44	216.89	4.19	11.91	16.10	14.49	8.51	23.00

The Olympic Vista development is anticipated to generate approximately 217 new average daily trips with approximately 16 new AM peak-hour trips and 23 new PM peak-hour trips.

## 2. TRIP DISTRIBUTION AND ASSIGNMENT

The trip distribution for the development is based on trip distribution data established by the City of Marysville. It is anticipated that 45% of the trips generated by the development will travel to and from the north and 55% of the trips generated by the development will travel to and from the south. The City of Marysville threshold for level of service is 25 PM peak-hour trips. The total trip generation of the development is less than 25 PM peak-hour trips and therefore intersection level of service analysis should not be required. Additionally, the City of Marysville has an interlocal agreement with Snohomish County that requires Snohomish County intersections impacted with 3 directional peak-hour trips to be identified. There are not any Snohomish County intersections or roadways that are anticipated to be impacted by 20% of the trips generated by the development, which represents approximately 3 directional PM peak-hour trips. The City of Marysville trip distribution for the development area is included in the attachments.

### **3. TRAFFIC MITIGATION FEES**

The City of Marysville has an interlocal agreement with Snohomish County that provides for the payment of traffic mitigation fees to Snohomish County for City of Marysville developments. The City of Marysville also has an understanding with WSDOT for the payment of traffic mitigation fees.

#### **3.1. City of Marysville**

The City of Marysville traffic mitigation fees have been calculated using a rate of \$6,300 per unit for single-family residential units. The Olympic Vista development is proposed to include 23 new single-family residential units, which results in a City of Marysville traffic mitigation fee of \$144,900.00.

#### **3.2. Snohomish County**

The City of Marysville and Snohomish County have an interlocal agreement that provides for the payment of traffic mitigation for impacts to Snohomish County roadways by developments in the City of Marysville. Traffic mitigation fees are based on predetermined area impacts or impacts to actual improvement projects. The City of Marysville trip distribution for this area, included in the attachments, shows that the Snohomish County improvement projects are anticipated to be impacted by 1% of the trips generated by the Olympic Vista development, which is less than 3 directional PM peak-hour trips. Snohomish County traffic mitigation fees should therefore not be required for the Olympic Vista development.

#### **3.3. Washington State Department of Transportation**

There are no current WSDOT improvement projects listed on the WSDOT Exhibit C List that are significantly impacted by trips from the Olympic Vista development. WSDOT traffic mitigation fees should therefore not be required for the Olympic Vista development.

## **Attachments**

# SUNNYSIDE - EXISTING



# City of Marysville

November 2017

- Marysville City Limits
- Other City Limits
- Urban Growth Boundary
- Tulalip Reservation
- Parks and open space
- Interstate Highway
- State Highway
- Arterial
- Schools



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