

MEMORANDUM

Date:	April 17, 2025	TG:	1.25160.00
To:	City of Kenmore Staff		
From:	Mike Swenson, PE, PTOE and Kassi Leingang, PE – Transpo Group		
cc:	Courtney Flora – McCullough Hill, PLLC Scott Clark – Clark/Barnes		
Subject:	Bastyr University Preliminary Transportation Analysis		

This memorandum summarizes the preliminary Transportation analysis prepared for the Bastyr University Master Plan. Information provided in this document is consistent with City requirements for this initial submittal. Following review of this initial information by the City, traffic counts will be collected and a detailed transportation analysis will be prepared. That analysis will identify the traffic impacts and mitigation required for full build-out of the Master Plan, which may be phased over a 15-year term. A review of background conditions of the campus as well as impacts anticipated with the proposed future conditions is provided below.

Transportation Context

Bastyr University is located in the City of Kenmore. Access for the school is provided via NE 145th Street connecting to the signalized intersection at Juanita Drive NE. Each roadway is described below.

NE 145th Street is a two lane curving roadway entering Saint Edwards State Park lined with trees. The roadway is narrow, approximately 18 feet without shoulders or other non-motorized facilities and is classified as a local roadway per the City of Kenmore Transportation Element (2024).

Juanita Drive NE is classified as a Minor Arterial as defined in the City of Kenmore Transportation Element (2024). It is generally a 2-lane roadway but does include a northbound left-turn lane at the signalized intersection with NE 145th Street. Additionally, sidewalks and bike lanes are provided along both sides of the roadway.

Additional uses accessed via the Juanita Drive NE/NE 145th Street intersection include the Lodge, Saint Edwards State Park, and sports fields. The intersection has been evaluated in previous studies showing that it is meeting the level of service (LOS) operational standards per City of Kenmore with the land uses present today.¹

Transit service in the area is operated by King County Metro, with route 225 providing service between Kenmore, Kingsgate, Totem Lake, Redmond, and Overlake. The nearest bus stops are located approximately a half mile north at the intersection of Juanita Drive NE/NE 153rd Street.

Bastyr University Campus Master Plan

The *Bastyr University Campus Master Plan FEIS* (2004) identified significant campus growth (see Table 2.4.3-1 per the FEIS):

¹ *Lodge at Saint Edward Transportation Analysis – Updated* (Heffron, September 2016).

Table 2.4.3-1. Bastyr University campus population growth projections: proposed level of use.

Year	Students	Faculty and Staff	Total	Total On-Campus
2003	1,034	240	1,274	1,274
2010	1,392	282	1,674	1,274
2015	1,648	321	1,969	1,569
2020	1,926	365	2,291	1,891
2025	2,250	406	2,666	2,266
2030	2,630	464	3,094	2,694

Source: Bastyr University Campus Master Plan FEIS (2004)

However, this forecast population growth has not occurred on campus. Total on-campus populations as of 2016 were 1,357, less than the projections as of 2015.⁴ Today, the on-campus population has declined to 863, less than the on-campus population in 2003, prior to the completion of the current Master Plan.⁵

In response to the decline in on-campus population and need to ensure Bastyr's financial sustainability, the proposed Master Plan update identifies potential development opportunities including housing and additional retail and service uses to support the institutional uses.

There were several transportation improvements identified in the previous Master Plan. These improvements were identified in the previous FEIS (section 1.8.6.1).

- Widen NE 145th Street
- Construct a new campus loop road
- Install a new traffic signal at the NE 145th Street/Juanita Drive NE intersection, including pedestrian signals
- Enhance current transportation demand management efforts to reduce vehicle trips and the projected on-campus parking deficit.

Of these identified improvements, a signal has been installed at the intersection of Juanita Drive NE/NE 145th Street and as identified above is forecast to operate acceptably with the land uses present today.

Future Conditions

Development within the proposed Master Plan includes additional institutional service and retail uses, in addition to up to 1,000 multifamily residential units. More refinement of the number of residential uses and commercial uses anticipated will be informed by future traffic analysis. With this development, there would be an increase in trips which could result in transportation operational impacts to the intersection of Juanita Drive NE/NE 145th Street. Potential mitigation to improve operations at this location could be similar to but not limited to the transportation improvements previously identified in the FEIS (listed above). Additional considerations could include the addition of a southbound right turn-lane at the intersection of Juanita Drive NE/NE 145th Street. Impacts to off-site intersections and any required mitigation will be assessed as part of the comprehensive transportation impact analysis to be completed for the Master Plan. The scope of this analysis will be coordinated with City of Kenmore staff.

⁴ 2016 on-campus population total of 1,357 includes 1,057 students and 300 faculty/staff.

⁵ 2025 on-campus population total of 863 includes 734 students and 129 faculty/staff.