

Eastgate Land Use Traffic Study

Draft Scope of Work

The purpose of this project is to identify “modest-scale” traffic improvements that could be made along the 150th Ave SE corridor to reduce congestion and improve travel time along the corridor. Land use changes for the area have been proposed as part of the 2012 “Eastgate/I-90 Land Use and Transportation Project” final report. Preliminary modeling has been performed to identify future traffic volumes associated with the proposed land use, but this effort has not been finalized since various alternatives are still being considered. In addition, residents have expressed concern with current traffic conditions, and since land use changes would result in only incremental changes in traffic, a decision was made to do an evaluation using existing condition volumes. Evaluations of conditions with future land use and future improvements to I-90 would be conducted in mid-2017 following the completion of WSDOT’s I-90 Peak Use Shoulder Lane traffic analysis.

The following are the scope assumptions for this project:

- The traffic analysis will focus on lower cost improvements that can make an immediate impact on congestion in the area. These would be projects that have minimal right-of-way needs and require minimal widening of existing roadways. In addition, these projects should support future planned improvements to the pedestrian and bicycle transportation system.
- The analysis will only be performed for the PM peak hour.
- The study area will include 150th Ave SE from SE 28th St to Newport Way. The future more in-depth analysis will look at the intersections along Eastgate Way east of 150th Ave SE and will also include AM conditions.
- Synchro/SimTraffic Version 9 will be used for the traffic analysis.
- Turning movement counts collected in 2016 will be used for the study intersections.
- The ramp meter for the eastbound I-90 on-ramp will be approximated in the model to help fine-tune conditions to match the average queue observed near the interchange.
- Concept level cost estimates will be prepared for each improvement proposed.