

**Exhibit F**

**Traffic Monitoring Plan**

## **TRAFFIC MONITORING PLAN**

The transportation mitigation measures imposed on The Villages MPD include projects that address the potential full transportation impacts of complete build-out of The Villages MPD together with build-out of the Lawson Hills MPD. The build-out of both MPDs will occur over a period of years and, therefore, the transportation mitigation also should be implemented over a period of years. To assure that the mitigation keeps pace with MPD Development and appropriate improvements are constructed at the appropriate time, the following monitoring and trigger protocol is established.

### **A. Required Timing for Modeling and Monitoring**

Before submitting Implementing Project applications for each Phase of the combined MPDs, and in the middle of each Phase, the Master Developer shall model and monitor traffic to identify the expected traffic impacts of that Phase. The middle of a Phase is defined as the point at which occupancy has been granted for the mid-point ERUs<sup>1</sup> for the MPDs. The modeling shall take into account the number of new homes and commercial buildings that are actually occupied and generating traffic. In the event that one MPD is not proceeding, the modeling and monitoring need only be conducted for the active MPD. In the event that there are separately controlled Master Developers for each MPD, and both are proceeding, the Master Developers shall be required to coordinate to model and monitor traffic and submit a joint report. In the event that a subsequent Phase is submitted prior to full build-out of an existing Phase, the subsequent Phase shall establish as its baseline what is constructed and occupied as of the date of submittal of the report. The subsequent Phase shall also assume buildout of the remainder of the existing Phase as part of the modeling in addition to what is being submitted in the Implementing Project application.

When the City has completed its regional transportation model, all subsequent modeling and monitoring shall be done with that regional model.

### **B. Report Requirements**

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<sup>1</sup> ERU means an Equivalent Residential Unit, which is intended to equate all land uses to equivalent single-family dwelling units in terms of trips generated. The ITE trip generation rates designate that a single-family dwelling unit generates one trip during the PM peak hour. Therefore, if, for example, the ITE trip generation rates applied to a commercial office building result in 60 PM peak hour trips, that building would be deemed to generate 60 ERUs.

The results of the traffic modeling and monitoring shall be presented to the City in a written report. The traffic monitoring report shall be prepared by a registered professional engineer chosen by the Master Developer and licensed to practice in the State of Washington with experience in traffic engineering and transportation planning. The written report shall document the findings including an evaluation of the existing conditions, and a forecast of future traffic volumes based on the next Phase's (or the remaining portion of the Phase's) projected level of development.

The existing conditions section of each traffic monitoring report shall include a summary of updated peak hour turning movement counts for intersections or two-direction roadway counts for roadway segments for all of the transportation mitigation projects included in the traffic monitoring plan (refer to Section C below). Existing level of service shall also be calculated for each transportation mitigation project included in the traffic monitoring plan. Traffic counts shall be conducted on representative weekdays (Tuesday, Wednesday, or Thursday during weeks not affected by holidays, bad weather such as snow, or other days with unusually high or low traffic volumes) and when school is in session. To enable comparisons back to prior monitoring reports, traffic counts shall be conducted during the same month to the extent feasible—alternatively, seasonal adjustment factors shall be applied to counts conducted during different months.

Evaluation of potential future traffic volumes from other Black Diamond development shall not be required because the City will independently require other projects to evaluate and mitigate their own impacts. However, infill traffic growth (exempt from SEPA) and background traffic growth from outside of Black Diamond (also exempt from SEPA) shall be included in modeling.

For intersection improvements, the report shall compare the results with the LOS threshold for each existing facility to determine whether and at what time any improvement to an existing facility is required.

The report shall also evaluate the extent to which MPD traffic would cause or contribute to any level of service failure on an existing facility in Black Diamond or need for access to or circulation within the MPD. The City, in its reasonable discretion, may use the report to determine whether to request that the Master Developer its proposed timing for construction of any new roadway alignments or intersection improvements described in MPD Condition of Approval No. 10 of the MPD Permit Approval.

### **C. Transportation Projects to be Monitored and Modeled**

The following projects shall be monitored and/or included in the model of the Phase's future traffic impacts: all projects listed in Table 11-3 of the Development Agreement, (and any modifications to that list following the periodic review process of Condition of Approval No. 17 of the MPD Permit Approval), together with existing facilities in the City of Black Diamond where the level of service impacts of the MPD may be addressed by construction of a new roadway alignment or intersection improvements inside Black Diamond as described in Condition of Approval No. 10 of the MPD Permit Approval. However, if the Master Developer has entered into a mitigation agreement with an outside jurisdiction that either sets the timing for payment towards or construction of the mitigation projects, or exempts that jurisdiction's projects from later monitoring, modeling or other review, that mitigation agreement is deemed to satisfy all mitigation and no further monitoring or modeling of facilities within that jurisdiction are required.

The monitoring plan and model need not analyze a specific improvement after that improvement has been constructed.

### **D. Triggers and Timing for Construction of Transportation Projects**

For intersection improvements, the threshold trigger is when the intersection level of service (LOS) (as defined in the Highway Capacity Manual, TRB, 2000) for the entire PM peak hour would (1) no longer meet the adopted LOS (as defined in the City of Black Diamond's Comprehensive Plan, 2009, or other jurisdiction's standard applicable to the MPD Approval) or (2) in the event that the LOS is already below the applicable threshold, the trigger shall be when traffic volumes from the new MPD Phase begin to increase delay at the intersection causing an additional impact .

For new roadway improvements inside Black Diamond, the MPD Phasing Plan anticipates that the transportation mitigation projects will be constructed to service the new MPD development of each Phase, including for access to and circulation within the MPD. For purposes of the modeling and monitoring plan, the threshold trigger to construct the improvement is when MPD traffic would increase delay or impact LOS at any intersection on existing roadways to a point at which the new roadway would be warranted. This trigger does not supersede other City standard requirements such as providing two points of access or the obligations for constructing the Pipeline Road.

The Master Developer shall only be required to perform an improvement if the applicable threshold is triggered.

The specific construction timing shall be set in each report, based on the results of the required monitoring and modeling. For City of Black Diamond projects, by execution of the Development Agreement, the City commits to prompt permit review, such that the Master Developer's prompt construction of transportation improvements shall commence before the impacted street or intersection falls below the applicable level of service. For projects within Black Diamond that are also within the State right-of-way, the report shall set a deadline for commencement of only engineering and design of the improvement but not a deadline for commencement of construction. For projects outside the City of Black Diamond where additional permitting from another jurisdiction is required, the report shall set the time at which the Master Developer must commence the permitting and/or engineering and design process, but shall not set a deadline for commencement of construction. Within the City of Black Diamond, if additional public right-of-way should be needed for the design of a particular improvement, the Master Developer shall first demonstrate a good faith effort to acquire the right-of-way needed. If, after making an offer equal to the fair market value, the Master Developer is unable to purchase the needed right of way, the City shall be responsible for acquiring the needed right-of-way.