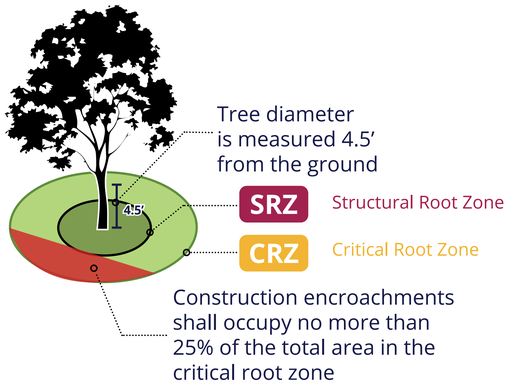
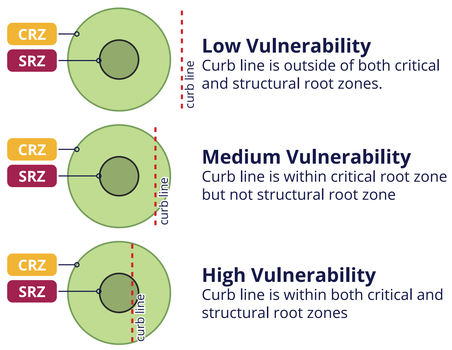
CORRIDOR TREES

The trees along Summit Avenue play an integral role in creating a recreational parkway experience east to west accross the City. In planning for roadway reconstruction and a regional trail facility, it is important to develop a design approach that prioritizes tree health and preservation.

Roadway and trail construction carry risk to existing vegetation. To evaluate a design approach, this study looks at location of curb lines relative to tree critical root zones (CRZ) and structural root zones (SRZ).

Evaluating Impacts





NOTE: Exercise is reflective of data currently available and is subject to variability. Existing Ash trees are included in the exercise overall. **Surveyed data, site specific tree and field conditions corridor-wide are not available at this time.**

Potential Risk of Tree Impacts

LOW — MEDIUM — HIGH

Risk to trees is highly variable depending on specific site conditions, health of tree, and tree species.

Potential risk to trees was evaluated for corridor-wide concepts based on proximity of root zones to curb lines. In this study, approximately 8%-15% of the trees in the Summit Avenue corridor could be considered highly vulnerable to construction. Specific impacts and tree preservation strategies will need to be evaluated beyond the master plan during design and engineering phases of a project.

Trail Facility Design Approaches