

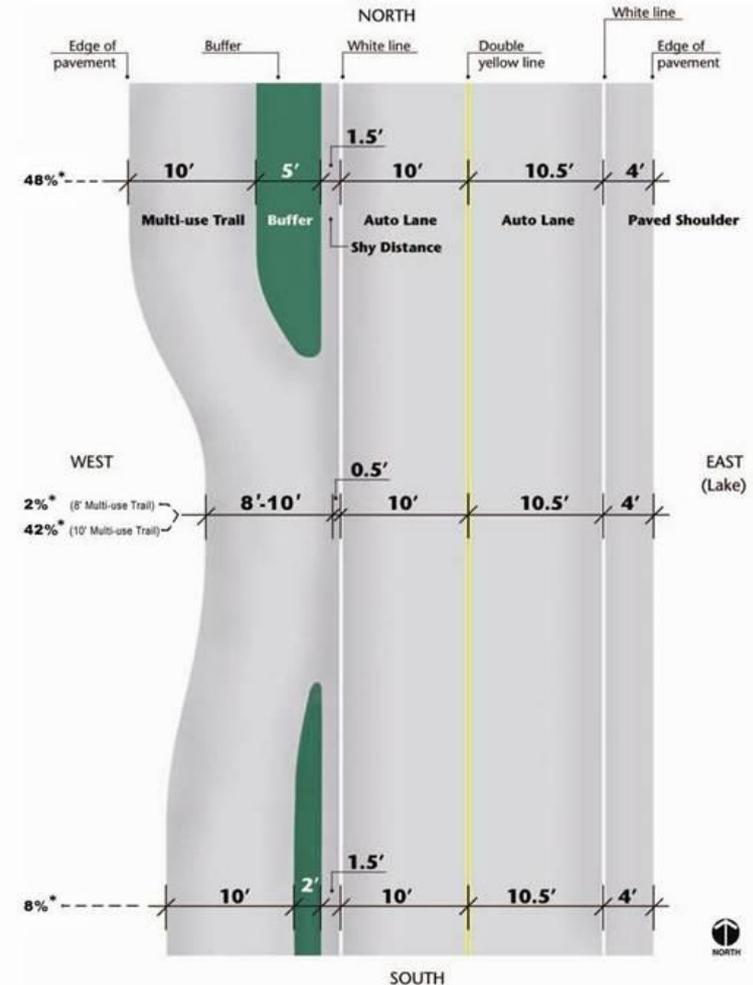
West Lake Sammamish Parkway (WLSP) Phase Two

*Paul Krawczyk – Transportation
Paul Ferrier – HDR
Scott Johnson - HDR*

*Transportation Commission
January 11, 2018*

West Lake Sammamish Parkway Project History

- ▶ 2005 Council Adoption of Roadway Cross-section
 - Extensive Public outreach 2003–2005
 - 8– to 10–foot Multi–use Path on the Westside of Parkway
 - Landscaped Buffer Where Feasible
 - 4–foot shoulder on Eastside (Lakeside)
 - Parkway is 5.5–Miles Long (I–90 to NE 24th Street)
- ▶ Construction in Phases
 - Phase One was completed in 2013 and is located between I–90 and SE 34th Street (Approx. 1–Mile Long)
 - Phase One Cost ~\$10 Million Dollars



* Percents shown indicate approximate length of the overall West Lake Sammamish Parkway corridor where each type of section shown may be applied. Percents do not include driveways or side streets.

West Lake Sammamish Parkway Roadway Project Acceleration

- ▶ **May 1, 2017 Council Meeting**
 - Two-Mile Utility Watermain Replacement project: SE 1900 block and NE 800 Block
 - Design of Watermain Replacement Began in Jan. 2017 to Meet Issaquah Water District Request to Increase Water Pressure in Watermain

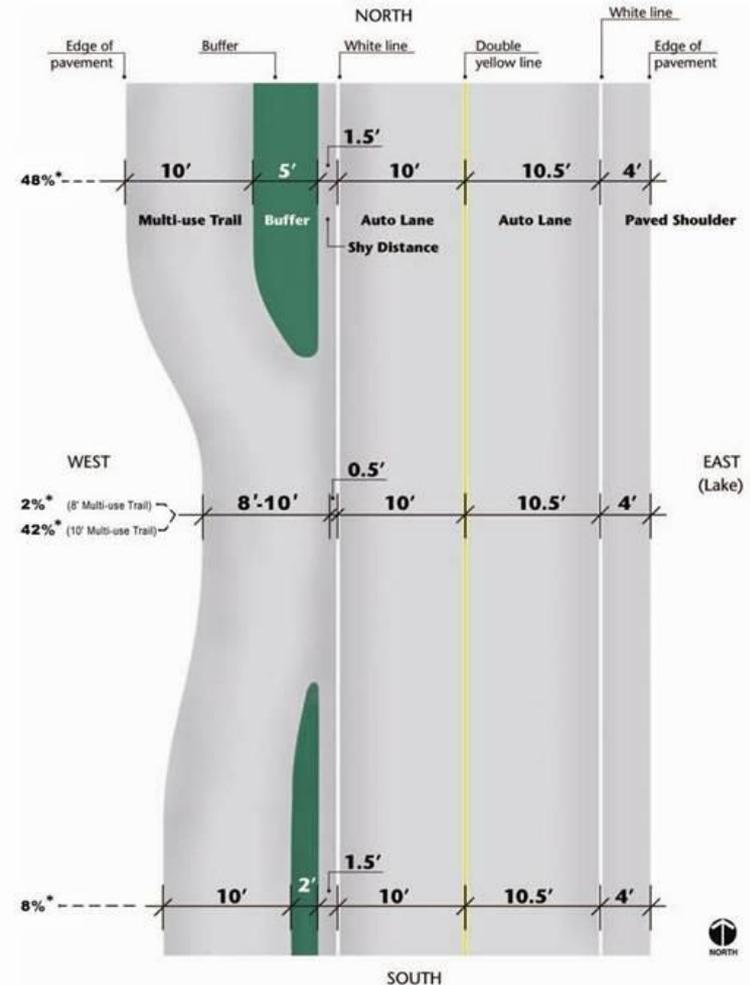
- ▶ **Sept. 5, 2017 Council Meeting**
 - Awarded HDR, Inc contract to prepare 5% Plans and Estimates for Combined Watermain/Roadway Project
 - Contract includes a recommendation for the “Best Fit” location for WLSP Phase Two Project



West Lake Sammamish Parkway

Reasons to Combine Watermain and Roadway Improvements

- ▶ Efficiencies in Addressing both Roadway and Utility Needs
- ▶ Find Synergy between Utilities and Transportation Work
- ▶ Minimize Impacts to the Public
- ▶ Keep Utility Dept. Schedule while accelerating Transportation Improvements

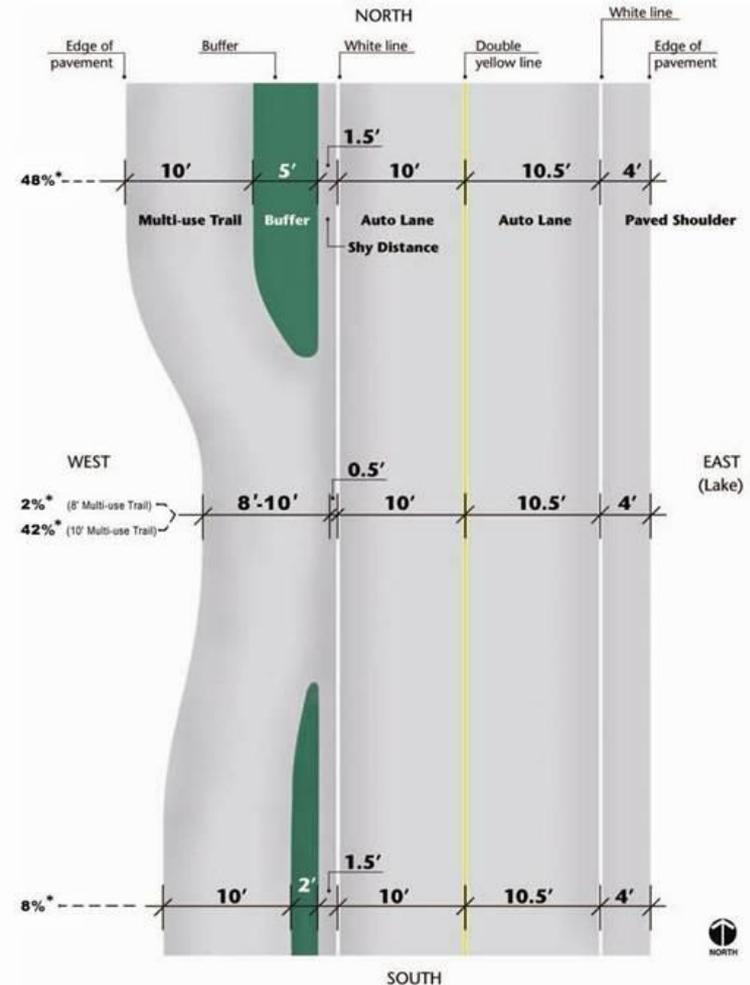


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West Lake Sammamish Parkway

Scope of 5% Design Report

- ▶ Investigate Design Elements
 - Roadway Pavement Assessment
 - Geotechnical Site Investigation
 - Storm Drainage History
 - Cost Estimates (Budget Constraint—\$8 Million)
- ▶ Create Project Phasing Options
 - Recommend “Best-Fit” location within Watermain Replacement Area (SE 1900 Block to NE 800 Block)
 - Created Two Project Options
 - North of SE 2nd Street to NE 800 Block
 - South of SE 5th Street to SE 1900 Block



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West Lake Sammamish Parkway

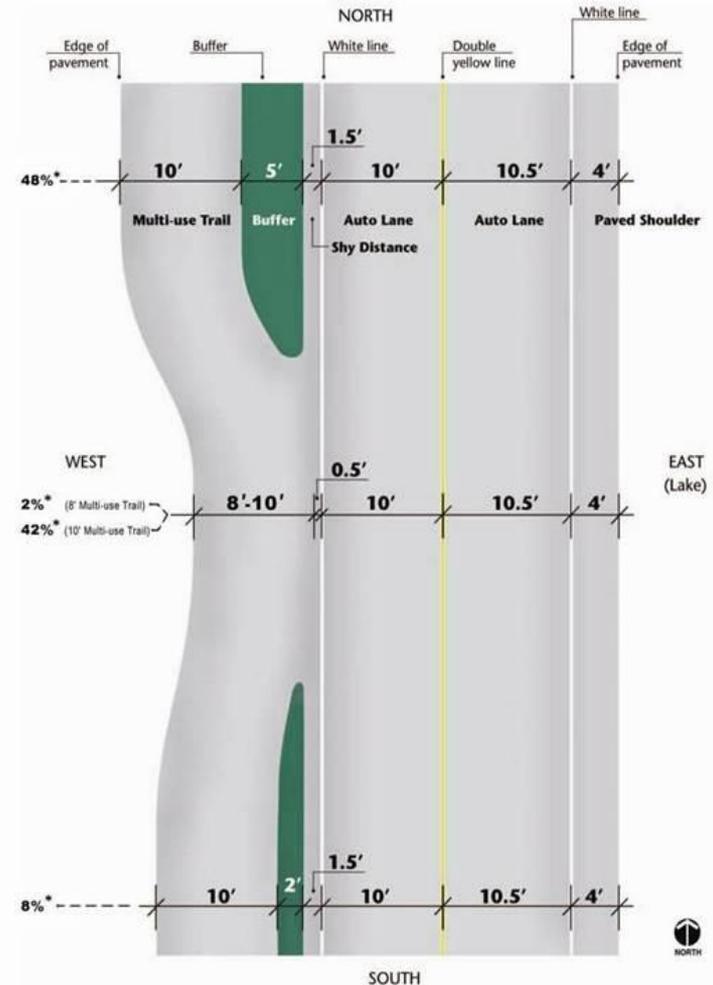
Evaluation of Roadway Construction Options

▶ “Best Fit” Evaluation Categories

- Avoid Sensitive/Critical Areas
- Minimize Driveway Impacts
- Minimize Retaining Walls (Both Number and Height)
- Minimize Work Roadway Subgrade Work
- Minimize Pavement Reconstruction

▶ Evaluation of North and South Roadway Segments

- Score Each Segment In Each of the Evaluation Categories
- Create Project Phasing Recommendation



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Segment Ranking Matrix

The Evaluation criteria for ranking preferred segments are based upon project goals and objectives. Each alternative is graded with a vote of high/medium/low for each category. The guidance for the ranking criteria are as follows:

- High - Strong chance this criteria will negatively impact the project.
- Medium- Moderate chance the criteria will impact the project.
- Low - Has only minor chance that the criteria will impact the project.

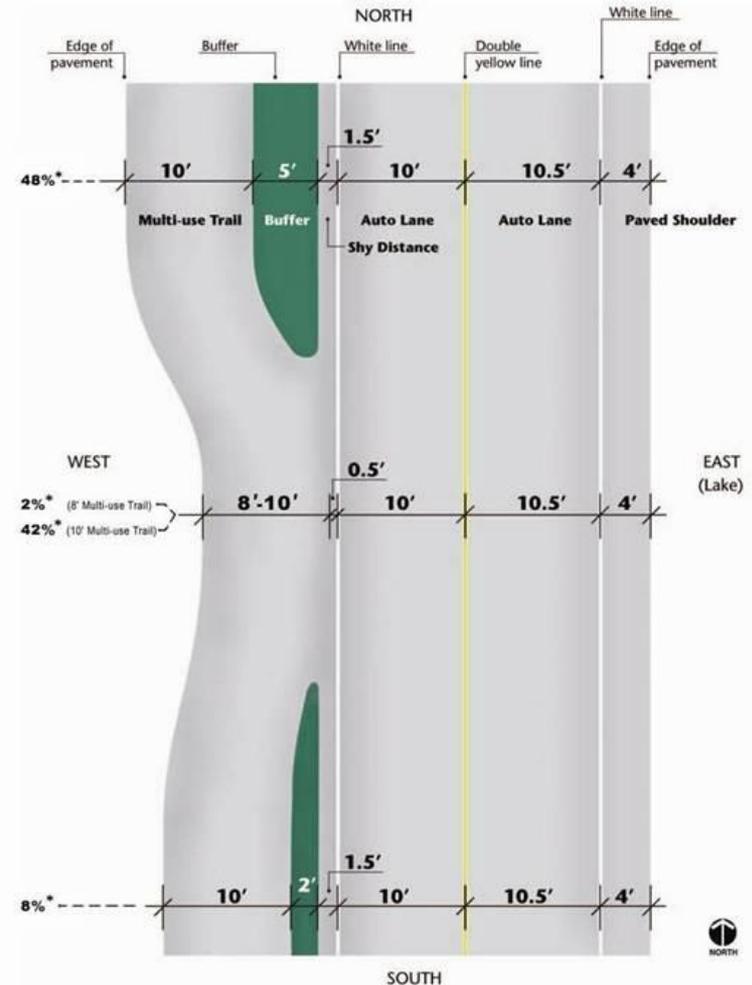
To obtain an overall evaluation of each potential segment, the evaluation of High will be scored as a three (3), Medium will be scored as a two (2), and Low scored as a one (1). The segment with the lowest score has the least risk to cost and schedule.

All criteria are weighted equally.

	Risk		Proposed Project South	Proposed Project North
	Schedule	Cost	100+00 - 145+00	150+00 - 198+50
			4850	4850
1) Wetland Buffer		X	3	1
2) Critical Areas / Steep Slopes		X	3	1
3) Driveway Access Points		X	2	2
4) Retaining Walls	X	X	2	2
5) Unsuitable Subgrade	X	X	3	2
6) Contamination Cleanup		X	1	1
7) Properties Requiring TCE	X		3	2
Total Risk Points			17	11
Construction Cost			\$6,518,223	\$6,201,864
Cost Per Linear Foot of Improvement			\$1,344	\$1,279

West Lake Sammamish Parkway Findings of 5% Design Report

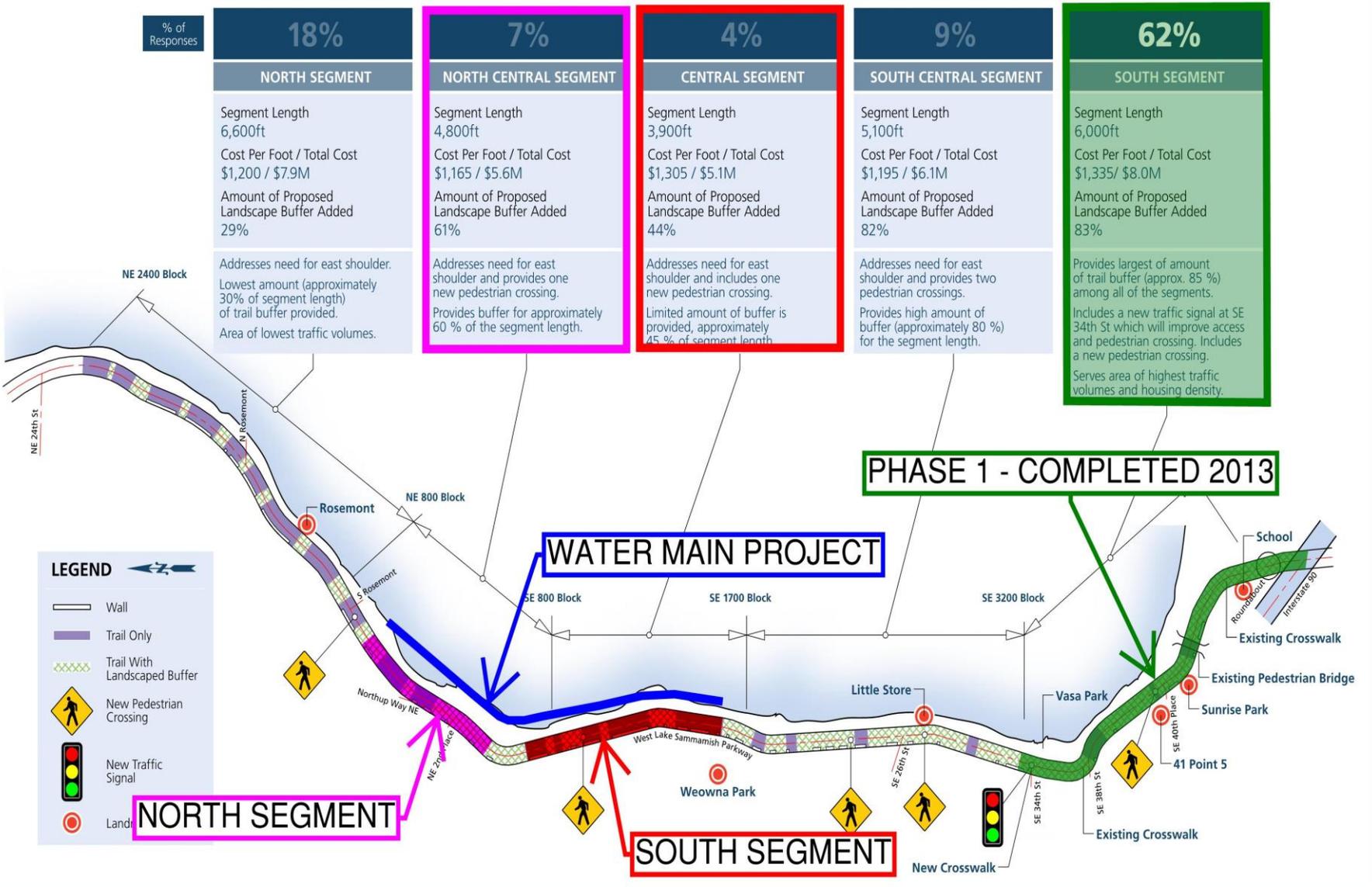
- ▶ North Segment Design Option
 -
- ▶ South Segment Design Option
 -



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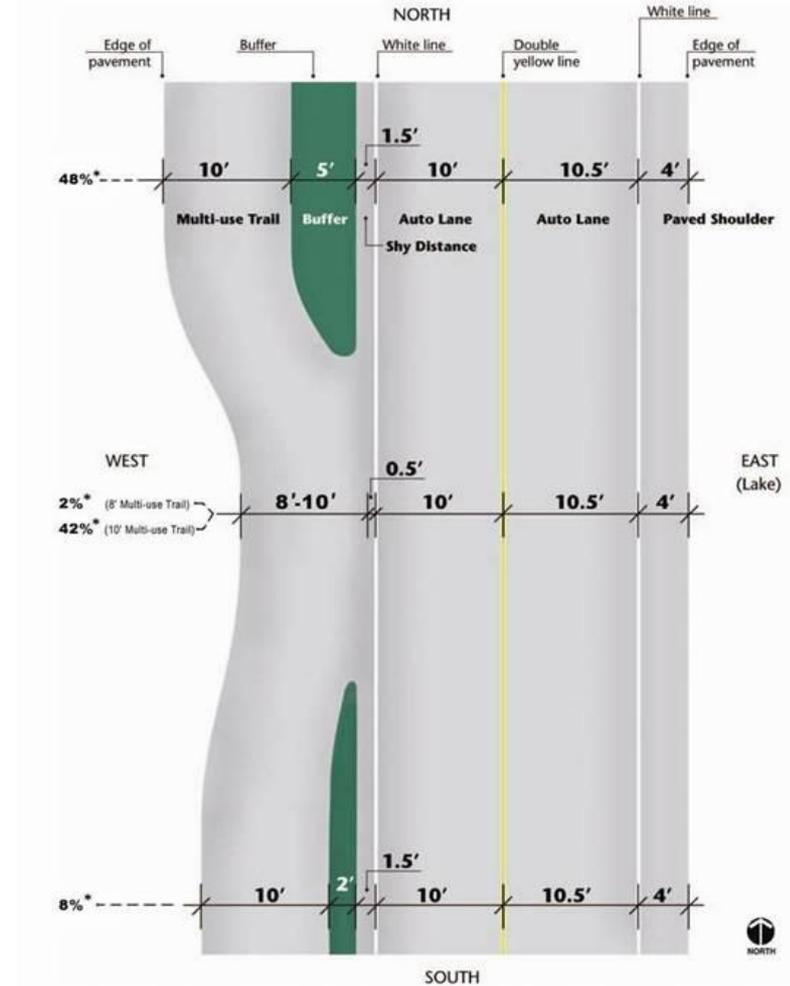
WEST LAKE SAMMAMISH PARKWAY IMPROVEMENTS SURVEY SUMMARY



West Lake Sammamish Parkway Recommendation for Phase Two Scope and Location

▶ North Segment
(SE 2nd to NE 800 Block—
Confirm?)

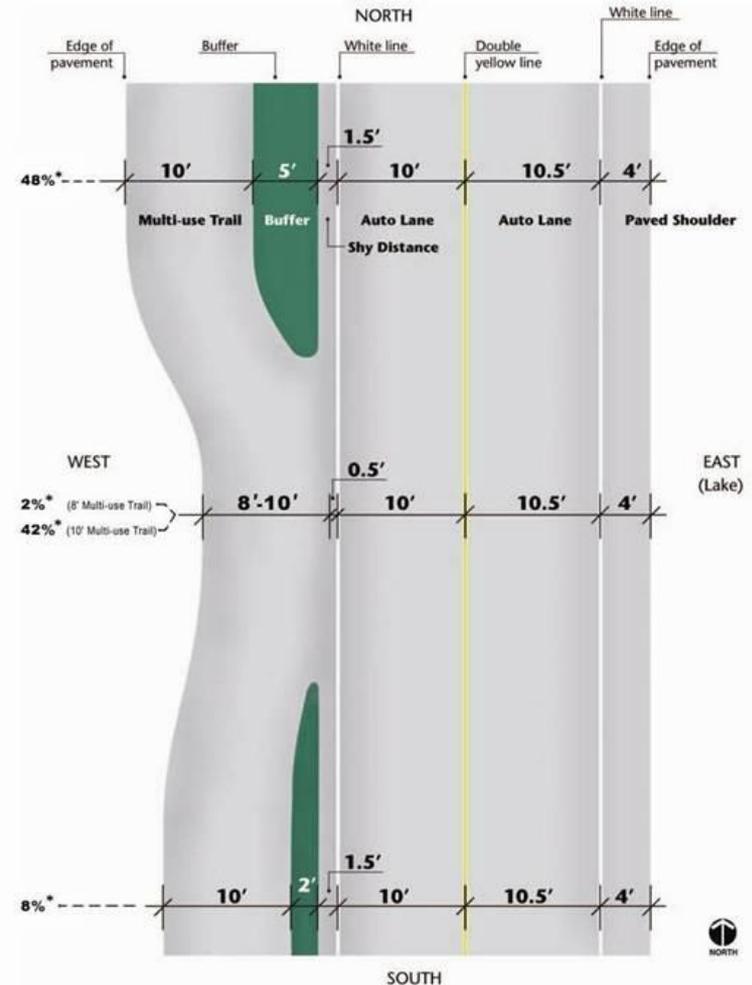
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West Lake Sammamish Parkway Action Request/Next Steps

- ▶ Obtain Support and Gain Concurrence with North Segment Design Recommendation
 -
- ▶ Present Design Report with Commission Recommendation to City Council
- ▶ Newsletter and Presentation to Public



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