

Richmond Western Gateway

Concepts Evaluation Matrix

Based on public feedback and Town direction, all alternatives were analyzed as to their ability to meet three overarching goals:

1. Improve the safety and comfort for all active transportation users;
2. Identify a solution that is implementable and cost effective; and
3. Move forward consistent with public support.

This Concepts Evaluation Matrix was developed to weigh multiple project elements. The average of these scores is indicated in green columns as Safety Average, Effort & Impact Average, and Support Average. The final score for each alternative is a sum of these three averages.

Scores are 0 through 3:

- In the Safety columns, a higher score (up to 3) means greater safety for active transportation between Richmond Village, the Park & Ride, and Riverview Commons.
- In the Impacts and Cost columns, a higher score means lower impacts or lower costs.
- In the Community Support column, a higher score means greater support in the Alternatives Survey.

Concept	Improve the safety & comfort of residents & users			Implementation Impact & Cost Effective Effort								Community Support			Final Score	
	Pedestrian Safety	Cyclist Safety	SAFETY AVERAGE SCORE	Property Impact Score - Tree & Yard Impact		Cost Score		Environmental Impact Score		Construction Difficulty	EFFORT & IMPACT AVERAGE SCORE	Alternatives Survey	Recreation Benefit	SUPPORT SCORE		
				Adjacent Property Count		Conceptual Cost \$ - \$\$\$		Vegetation Impacts					% of Positive Response (4 + 5 Rank)			
1: No Build	0	0	0	0	3	\$	3	None	3	None	3	3	25%	0	2	5
2: North Side Straight	1	1.5	2	13	1.5	\$\$	2	- Remove 6 Trees	2	Grading, retaining walls	2	1.3	25%	1	1	5
3: Emerald Trail	2	2	2	10	1.5	\$\$\$	1	Wetland Impacts	1	Significant grading, tunnels, boardwalk	1	1.7	25%	2.5	3	5
3: Over the River	2.5	2.5	2.25	3	2.5	\$\$\$	1	Remove 1 tree	2.5	Cantilever sidewalks, bridge over the Winsooski	0.5	1.4	25%	3	1.5	5