

Richmond Western Gateway Concepts Evaluation Matrix

Based on public feedback and Town direction, all alternatives were analyzed as to their ability to meet three key 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 facets of the alternatives under consideration. It is intended to be used as a tool in the broader planning process, as an aid in Scoping Study decision-making, but not the sole factor in its outcome.

The average scores are indicated in the green columns for User Safety & Comfort, Implementation Impact & Cost Effective Effort, and Community Support and Recreation. The Total Score for each alternative, in the far-right column, is the sum of these three averages.

Scores are 0 through 3:

- In the User Safety and Comfort columns, a higher score (up to 3) means greater user safety (separation from motor vehicles) or comfort (the latter largely a function of slope difficulty/change) for active transportation between Richmond Village, the Park & Ride, and Riverview Commons.
- In the Implementation Impact & Cost Effective Effort columns, a higher score means lower impacts, cost or difficulty.
- In the Community Support and Recreation columns, a higher score means greater public survey support or recreation benefit.

	User Safety & Comfort				Implementation Impact & Cost Effective Effort								Community Support and Recreation			TOTAL SCORE		
Concept	User Safety	Value to User Transport	User Comfort	SAFETY & COMFORT AVERAGE	Property and Front Yard Impacts		Conceptual Cost		Environmental Impact Score		Construction Difficulty	IMPACT & EFFORT AVERAGE	Survey Scores		Rec. Benefit	SUPPORT & REC AVERAGE		
	Separation from motor vehicles	Improve access for pedestrians, bicyclists, other users	slope difficulty/change		Adjacent Property Count		Conceptual Cost \$ - \$\$\$		Vegetation and Wetland Impacts		considerations include grading, retaining walls, underpasses, boardwalks		% of Preference Responses					
1: No Build	0	0	0	0	0	3	\$	3	None	3	None	3	3.0	33%	1.5	0	.75	3.75
2: North Side Straight	1	1.5	2	1.5	13	1	\$\$	2	- Remove 6 Trees - Wetland edge impacts	1.5	Grading, retaining walls	2	1.625	21%	1	1	1.0	4.125
3: Gateway Trail	2	2	1.5	1.83	10	1.5	\$\$\$	1	Remove 8 Trees -Through wetlands	1	Significant grading, walls, underpasses, boardwalks	1	1.125	46%	2	2	2.0	4.96