

ALTERNATIVE COMPARISON: DECISION MATRIX

Average Score

DECISION CRITERIA	WEIGHTING 0-10	SIGNALIZED		ROUNDBABOUT	
		RATING 1-5	WEIGHTED RATING A X B	RATING 1-5	WEIGHTED RATING A X B
AESTHETICS: Gateway Feature	2	2.0	4.0	4.4	8.8
AESTHETICS: Light Pollution Impacts	2	2.4	4.8	3.6	7.2
SAFETY: Pedestrian & Cyclists	10	3.4	34.0	4.0	40.0
SAFETY: Vehicular	10	2.4	24.0	4.6	46.0
SAFETY: Emergency Vehicles	10	3.6	36.0	3.0	30.0
OPERATIONS: Peak Hour Delay	5	3.2	16.0	3.6	18.0
OPERATIONS: Off-Peak Hour Delay	5	3.0	15.0	4.6	23.0
OPERATIONS: Traffic Calming	2	2.2	4.4	4.4	8.8
OPERATIONS: Large Vehicles & Trucks	2	4.4	8.8	2.6	5.2
OPERATIONS: Side Road Congestion	2	2.8	5.6	3.4	6.8
COST: Initial Construction Cost	5	3.2	16.0	2.4	12.0
COST: Long Term Maintenance & Operations	5	2.4	12.0	3.2	16.0
ENVIRONMENTAL ISSUES: BGS	5	2.8	14.0	3.6	18.0
ENVIRONMENTAL ISSUES: Wetland Impacts	5	2.2	11.0	2.0	10.0
ENVIRONMENTAL ISSUES: Floodplain Impacts	2	2.6	5.2	2.6	5.2
ENVIRONMENTAL ISSUES: Noise Impacts	2	2.2	4.4	3.4	6.8
ENVIRONMENTAL ISSUES: Air Quality Impacts	2	2.4	4.8	3.6	7.2
GREEN INITIATIVES: Reduce Fuel Consumption	2	2.6	5.2	4.0	8.0
GREEN INITIATIVES: Reduce Electric Usage	2	2.2	4.4	4.6	9.2
RIGHT OF WAY IMPACTS: Fee Acquisition	2	3.2	6.4	2.6	5.2
RIGHT OF WAY IMPACTS: Preserve Landscape Buffers	2	2.6	5.2	3.6	7.2
PUBLIC ACCEPTANCE: Pre-Construction	2	3.6	7.2	2.4	4.8
PUBLIC ACCEPTANCE: Post-Construction	5	3.2	16.0	3.6	18.0
CONSTRUCTABILITY: Disrupt Local & Thru Traffic	2	3.0	6.0	3.0	6.0
CONSTRUCTABILITY: Duration of Construction	2	3.4	6.8	2.0	4.0
CONSTRUCTABILITY: Technical Complexity	5	3.0	15.0	2.2	11.0
	100		292.2		342.4

RATING INDEX: 0=Very Poor, 1=Poor, 2=Below Average, 3=Average, 4=Above Average, 5=Excellent