

Southern Bikeway - Alternatives Matrix

22nd Avenue NE							
MAP ID No.	Intersection	Alternatives	Estimated Quantities (LS or EA)	Unit Cost	Total Cost	Percent of Construction Budget	Comments
Bicycle Boulevard Basic Elements							
A	Pavement Markings	Required	69	\$200	\$13,800	5%	
B	Route Marker Signs	Required	28	\$150	\$4,200	1%	
C	Advanced Identity Signs	Required	10	\$250	\$2,500	1%	
D	Wayfinding / Destination Signs	Required	34	\$250	\$8,500	3%	
E	Modified Street Name Signs	Required	124	\$125	\$15,500	5%	
	24th Street Pavement Markings	Required	16	\$1,488	\$23,808	8%	
	54th Street Pavement Markings	Required	5	\$1,488	\$7,440	3%	
	Bloomington Avenue Pavement Markings	Required	2	\$1,488	\$2,976	1%	
	Bike Racks	Required	18	\$181	\$3,258	1%	
	Education and Promotion	Required	1	\$10,000	\$10,000	4%	
					\$91,982	32%	
Bicycle Boulevard Corridor Elements							
Intersection Treatments and Spot Improvement Alternatives							
1	5th Avenue S at 24th Street E	Alt A: Install Improved Bicycle Wheel Ramp	1	\$1,000	\$1,000	0%	
		Alt B: Do Nothing	1	\$0	\$0	0%	
2	24th Street E at Chicago Avenue 17th Avenue S at Lake Street	Alt A: Install Video Detection For Bicycle Approaches	2	\$12,000	\$24,000	8%	
		Alt B: Do Nothing	1	\$0	\$0	0%	
3	17th Avenue S at 26th Street E 17th Avenue S at 28th Street E	Alt A: Install Curb Extension On One Corner	2	\$15,000	\$30,000	11%	
		Alt B: Do Nothing	0	\$0	\$0	0%	
4	17th Avenue S at 32nd Street E 17th Avenue S at 34th Street E 17th Avenue S at 36th Street E 17th Avenue S at 43rd Street E 17th Avenue S at 45rd Street E 12th Avenue S at 56th Street E 12th Avenue S at 58th Street E	Alt A: Install Traffic Circle at 32nd Street E	1	\$6,000	\$6,000	2%	
		Alt B: Install Traffic Circle at 34th Street E - Remove N/S Stop Signs	1	\$12,000	\$12,000	4%	
		Alt C: Install Traffic Circle at 36th Street E - Reverse N/S Stop Signs to E/W	1	\$12,000	\$12,000	4%	
		Alt D: Install Traffic Circle at 43rd Street E - Reverse N/S Stop Signs to E/W	1	\$6,000	\$6,000	2%	
		Alt E: Install Traffic Circle at 45th Street E - Reverse N/S Stop Signs to E/W	1	\$6,000	\$6,000	2%	
		Alt F: Install Traffic Circle at 56th Street E - Remove N/S Stop Signs	1	\$6,000	\$6,000	2%	
		Alt G: Install Traffic Circle at 58th Street E - Remove N/S Stop Signs	1	\$6,000	\$6,000	2%	
		Alt H: Do Nothing	0	\$0	\$0	0%	
5	17th Avenue S at 38th Street	Alt A: Install Median	1	\$20,000	\$20,000	7%	
		Alt B: Install Curb Extensions On All Corners	1	\$60,000	\$60,000	21%	
		Alt C: Do Nothing	0	\$0	\$0	0%	
6	17th Avenue S at 39th Street	Alt A: Install Diverter	1	\$50,000	\$50,000	18%	
		Alt B: Do Nothing	0	\$0	\$0	0%	
7	17th Avenue S at 40th Street	Alt A: Install Diverter	1	\$50,000	\$50,000	18%	
		Alt B: Install Traffic Circle	1	\$12,000	\$12,000	4%	
		Alt C: Do Nothing	0	\$0	\$0	0%	
8	17th Avenue S at 42nd Street	Alt A: Install Curb Extension On All Corners	1	\$60,000	\$60,000	21%	
		Alt B: Do Nothing	0	\$0	\$0	0%	
9	17th Avenue S at 46th Street	Alt A: Install Curb Extension On All Corners	1	\$60,000	\$60,000	21%	
		Alt B: Do Nothing	0	\$0	\$0	0%	
10	17th Avenue S at Minnehaha Trail	Alt A: Install A Trial Connection and Curb Ramp	1	\$12,000	\$12,000	4%	
		Alt B: Do Nothing	0	\$0	\$0	0%	
Total Project Cost¹					\$492,982		
Estimated Project Total (Basic Elements)					\$91,982		
Construction Budget					\$285,000		
Surplus / Deficit					(\$207,982)		