

APPENDIX D: SUITABILITY SCORE DEVELOPMENT

PROJECT PRIORITY CRITERIA

The following tables present factors used to determine suitability scores; suitability scores will be used to prioritize recommended bicycle network improvement projects. Table 1 presents the factors used for Class I bike routes. Table 2 presents the factors used for Class II bike lanes and Class III bike routes.

TABLE 1: SUITABILITY FACTORS FOR CLASS I ROUTES			
Variable	Value	Score	
Proximity (in minutes)			
Parks	0 – 3	100	
	3 – 5	80	
	5 – 8	60	
	8 – 10	40	
	10 – 15	20	
	> 15	0	
Schools	0 – 3	50	
	3 – 5	40	
	5 – 8	30	
	8 – 10	20	
	10 – 15	10	
	> 15	0	
	Enrollment		
	4,000 – 5,500	50	
	3,000 – 3,999	40	
	2,000 – 2,999	30	
	1,000 – 1,999	20	
	250 - 999	10	
	0 - 249	0	

TABLE 1: SUITABILITY FACTORS FOR CLASS I ROUTES

Variable	Value	Score
Commercial Corridors	0 – 3	100
	3 – 5	80
	5 – 8	60
	8 – 10	40
	10 – 15	20
	> 15	0

TABLE 2: SUITABILITY FACTORS FOR CLASS II AND CLASS III ROUTES

Variable	Value	Score
On-Street Conditions		
Number of Lanes (by direction)	1	100
	2	60
	3	20
	4+	0
Posted Speed Limit	25 or less	100
	30	80
	35 or 40	60
	45	40
	> 45	20
Average Daily Traffic Volume (x 1,000)	< 4	100
	4 – 8	80
	8 – 14	60
	14 – 23	40
	> 23	20

TABLE 2: SUITABILITY FACTORS FOR CLASS II AND CLASS III ROUTES

Variable	Value	Score
Width of pavement (Stripe to edge of pavement)	> 6 feet of room for bicyclist No parking, no curb: > 6 feet No parking, with curb: > 4 feet Parallel parking, no curb: > 14 feet Parallel parking, with curb: > 12 feet	100
	6 feet of room for bicyclist No parking, no curb: 6 feet No parking, with curb: 4 feet Parallel parking, no curb: 14 feet Parallel parking, with curb: 12 feet	60
	5 feet of room for bicyclist No parking, no curb: 5 feet No parking, with curb: 3 feet Parallel parking, no curb: 12 feet Parallel parking, with curb: 10 feet	20
Parking	No Parking	100
	Parking	0

TABLE 2: SUITABILITY FACTORS FOR CLASS II AND CLASS III ROUTES

Variable	Value	Score	
Proximity (in minutes)			
Parks	0 – 3	100	
	3 – 5	80	
	5 – 8	60	
	8 – 10	40	
	10 – 15	20	
	> 15	0	
Commercial Corridors	0 – 3	100	
	3 – 5	80	
	5 – 8	60	
	8 – 10	40	
	10 – 15	20	
	> 15	0	
Schools	0 – 3	50	
	3 – 5	40	
	5 – 8	30	
	8 – 10	20	
	10 – 15	10	
	> 15	0	
	Enrollment		
	4,000 – 5,500	50	
	3,000 – 3,999	40	
	2,000 – 2,999	30	
	1,000 – 1,999	20	
	250 - 999	10	
	0 - 249	0	

TABLE 2: SUITABILITY FACTORS FOR CLASS II AND CLASS III ROUTES

Variable	Value	Score
Safety		
Collision Density	0 – 6	100
	7 – 10	80
	11 – 18	60
	19 – 34	40
	35 +	20
Driveway Density	0 – 8	100
	9 – 14	80
	15 – 22	60
	23 – 27	40
	28 +	20