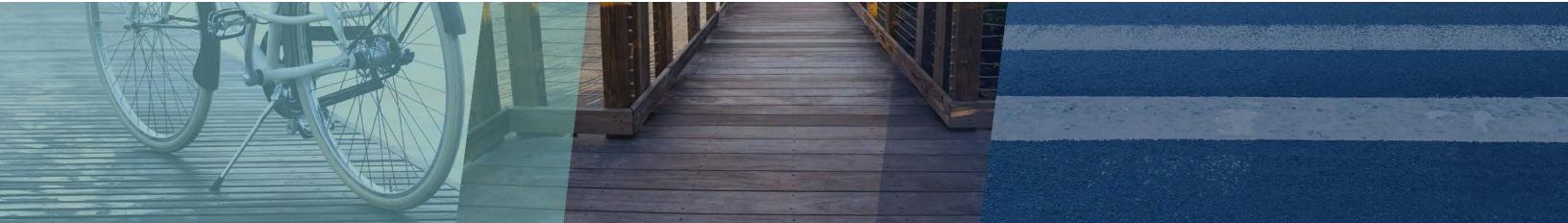


APPENDIX



Project Recommendations

Bicycle Recommendations

Note: All planning level costs do not include cost of Right-of-Way Acquisition, Drainage impacts, lighting (anticipated additional lighting at intersections) or inflation overtime.

Project_ID	Project Type	Tier	Location	Project Limits	Improvement	Roadway Ownership	Total Score	Approximate Length (Miles)	Cost Rounded	Design (15%)	MOT (10%)	Mobilization (15%)	Contingency (40%)	Total Cost	Low Cost	High Cost
15	Bicycle	Tier 1	9th Avenue S	7th Street S to Main Street	Sharrows	Safety Harbor	4.1	0.31	\$8,900	\$1,335	\$890	\$1,335	\$3,560	\$17,000	\$14,000	\$22,000
16	Bicycle	Tier 1	Marshall Street	McMullen Booth Road to Philippe Parkway/N Bayshore Drive	Sharrows and SLM/Signage	Safety Harbor	3.4	1.59	\$44,500	\$6,675	\$4,450	\$6,675	\$17,800	\$81,000	\$65,000	\$105,000
17	Bicycle	Tier 1	S Bayshore Boulevard	City limits to Veteran's Memorial Lane	Add Wayfinding and Signage	Safety Harbor	3.6	0.91	\$25,500	\$3,825	\$2,550	\$3,825	\$10,200	\$46,000	\$37,000	\$60,000
21	Bicycle	Tier 1	MLK St/4th Street N	McMullen Booth Road to Philippe Parkway	Sharrows and SLM/signage	Safety Harbor	4.2	1.26	\$35,500	\$5,325	\$3,550	\$5,325	\$14,200	\$64,000	\$52,000	\$83,000
47	Bicycle	Tier 1	1st Avenue N	Philippe Parkway to Marshall Street	Greenway	Safety Harbor	3.4	0.53	\$14,800	\$2,220	\$1,480	\$2,220	\$5,920	\$27,000	\$22,000	\$35,000
65	Bicycle	Tier 1	9th Avenue N	Marshall St to Main St	Greenway	Safety Harbor	3.9	0.85	\$23,700	\$3,555	\$2,370	\$3,555	\$9,480	\$43,000	\$35,000	\$56,000
80	Bicycle	Tier 1	S Bayshore Blvd	Veterans Memorial Lane to Main St	Greenway	Safety Harbor	3.6	0.06	\$1,600	\$240	\$160	\$240	\$640	\$3,000	\$3,000	\$4,000
66	Bicycle	Tier 2	7th Street S	7th Ave S to S Bayshore Blvd	Greenway	Safety Harbor	3.3	0.29	\$8,300	\$1,245	\$830	\$1,245	\$3,320	\$15,000	\$12,000	\$20,000
68	Bicycle	Tier 2	6th Street N	7th Ave N and 5th Ave N	Greenway	Safety Harbor	2.8	0.38	\$10,700	\$1,605	\$1,070	\$1,605	\$4,280	\$20,000	\$16,000	\$26,000
77	Bicycle	Tier 2	Main St	McMullen Booth Rd to Philippe Pkwy	Greenway	Safety Harbor	3.9	0.60	\$16,900	\$2,535	\$1,690	\$2,535	\$6,760	\$31,000	\$25,000	\$40,000
79	Bicycle	Tier 2	7th St S	14th Ave S to Donovan Dr	Greenway	Safety Harbor	2.3	0.35	\$10,000	\$1,500	\$1,000	\$1,500	\$4,000	\$18,000	\$15,000	\$23,000
81	Bicycle	Tier 2	10th Ave S	7th St S to Main St	Greenway	Safety Harbor	3.1	0.18	\$5,100	\$765	\$510	\$765	\$2,040	\$10,000	\$8,000	\$13,000
83	Bicycle	Tier 2	Tucker St	Philippe Pkwy to N Bayshore Dr	Greenway	Safety Harbor	2.8	0.18	\$5,100	\$765	\$510	\$765	\$2,040	\$10,000	\$8,000	\$13,000
87	Bicycle	Tier 2	Irwin St	1st Ave N to Philippe Pkwy	Greenway	Safety Harbor	2.8	0.51	\$14,200	\$2,130	\$1,420	\$2,130	\$5,680	\$26,000	\$21,000	\$34,000
120	Bicycle	Tier 2	4th Ave S	Main St to 5th St S	Greenway	Safety Harbor	3.3	0.27	\$7,500	\$1,125	\$750	\$1,125	\$3,000	\$14,000	\$12,000	\$18,000
127	Bicycle	Tier 2	Legion Lane	Main St to 4th St S	Greenway	Pinellas County	3.3	0.20	\$5,600	\$840	\$560	\$840	\$2,240	\$11,000	\$9,000	\$14,000
10	Bicycle	Tier 3	Green Springs Drive	Enterprise Road to Marshall Street	Sharrows	Safety Harbor	2.35	0.57	\$16,000	\$2,400	\$1,600	\$2,400	\$6,400	\$29,000	\$24,000	\$38,000
12	Bicycle	Tier 3	Cedar Street	McMullen Booth Road to 12th Avenue N	Sharrows, SLMs, Signage, and Roadway Striping	Safety Harbor	1.85	0.52	\$14,600	\$2,190	\$1,460	\$2,190	\$5,840	\$22,000	\$20,000	\$35,000
18	Bicycle	Tier 3	Philippe Parkway	Main Street to Enterprise	Trail	Safety Harbor	3.45	1.56	\$93,900	\$140,850	\$93,900	\$140,850	\$375,600	\$1,691,000	\$1,353,000	\$2,198,000
20	Bicycle	Tier 3	N Bayshore Drive	Jefferson Street to Marshall Street/Philippe Park entrance	Greenway	Safety Harbor	2.6	0.80	\$22,500	\$3,375	\$2,250	\$3,375	\$9,000	\$41,000	\$33,000	\$53,000
43	Bicycle	Tier 3	2nd Street N	7th Avenue to Philippe Parkway	Greenway	Safety Harbor	2.6	0.37	\$10,500	\$1,575	\$1,050	\$1,575	\$4,200	\$19,000	\$16,000	\$25,000
45	Bicycle	Tier 3	7th Avenue S	MLK St/4th Street N to 7th Street S	Greenway	Safety Harbor	2.7	0.50	\$14,200	\$2,130	\$1,420	\$2,130	\$5,680	\$26,000	\$21,000	\$34,000
46	Bicycle	Tier 3	Jefferson Street	Philippe Parkway to N Bayshore Drive	Greenway	Safety Harbor	2.6	0.10	\$2,900	\$435	\$290	\$435	\$1,160	\$6,000	\$5,000	\$8,000
48	Bicycle	Tier 3	Salem Street	Philippe Parkway to Westley Street	Greenway	Safety Harbor	1.45	0.13	\$3,700	\$555	\$370	\$555	\$1,480	\$7,000	\$6,000	\$9,000
49	Bicycle	Tier 3	Westley Street	Salem Street to Marshall Street	Greenway	Safety Harbor	1.35	0.05	\$1,400	\$210	\$140	\$210	\$560	\$3,000	\$3,000	\$4,000
50	Bicycle	Tier 3	Beacon Place Drive	Enterprise Road to Marshall Street	Greenway	Safety Harbor	2.6	0.67	\$18,700	\$2,805	\$1,870	\$2,805	\$7,480	\$34,000	\$28,000	\$44,000
64	Bicycle	Tier 3	7th Street N	12th Ave N to 9th Ave N	Greenway	Safety Harbor	2.3	0.24	\$6,900	\$1,035	\$690	\$1,035	\$2,760	\$13,000	\$11,000	\$17,000
69	Bicycle	Tier 3	Marshall St	Wesley St to N Bayshore Dr	Greenway	Safety Harbor	2.3	0.14	\$4,100	\$615	\$410	\$615	\$1,640	\$8,000	\$7,000	\$10,000
73	Bicycle	Tier 3	Swan Lane	Swan Lane to Philippe Pkwy	Greenway	Safety Harbor	2.05	0.82	\$23,100	\$3,465	\$2,310	\$3,465	\$9,240	\$42,000	\$34,000	\$55,000
74	Bicycle	Tier 3	N Bay Hills Blvd	State Road 580 to Harbor Woods Dr	Greenway	Safety Harbor	3.1	1.27	\$35,700	\$5,355	\$3,570	\$5,355	\$14,280	\$65,000	\$52,000	\$85,000
75	Bicycle	Tier 3	Harbor Woods Dr	Harbor Woods Ctr to Enterprise Dr	Greenway	Safety Harbor	2.8	0.32	\$8,900	\$1,335	\$890	\$1,335	\$3,560	\$17,000	\$14,000	\$22,000
84	Bicycle	Tier 3	Grand Central Ave	Philippe Pkwy to N Bayshore Dr	Greenway	Safety Harbor	2.05	0.19	\$5,400	\$810	\$540	\$810	\$2,160	\$10,000	\$8,000	\$13,000
86	Bicycle	Tier 3	1st Ave N	Marshall St to Willowick Cir	Greenway	Safety Harbor	2.05	0.13	\$3,800	\$570	\$380	\$570	\$1,520	\$7,000	\$6,000	\$9,000
88	Bicycle	Tier 3	Philippe Park	Philippe Parkway to N Bayshore Blvd	Greenway	Safety Harbor	2.3	1.12	\$31,400	\$4,710	\$3,140	\$4,710	\$12,560	\$57,000	\$46,000	\$74,000
130	Bicycle	Tier 3	9th Avenue N	Marshall St to Main St	Trail	Safety Harbor	1.6	0.85	\$507,400	\$76,110	\$50,740	\$76,110	\$202,960	\$914,000	\$732,000	\$1,188,000
138	Bicycle	Tier 3	Elm Street	Cedar St to Dr MLK Jr St N	Greenway	Safety Harbor	1.03	0.25	\$7,200	\$1,080	\$720	\$1,080	\$2,880	\$13,000	\$11,000	\$17,000
139	Bicycle	Tier 3	Pine Street	Cedar St to 7th St S	Greenway	Safety Harbor	2.6	0.63	\$17,800	\$2,670	\$1,780	\$2,670	\$7,120	\$33,000	\$27,000	\$43,000
140	Bicycle	Tier 3	Meldrum Street/6th Avenue N	Railroad Avenue to 6th Street N	Greenway	Safety Harbor	1.85	0.35	\$9,900	\$1,485	\$990	\$1,485	\$3,960	\$18,000	\$15,000	\$23,000
137	Bicycle	Tier 3	Elm Street	Cedar St to Marshall St	Greenway with Trail Gap Connection	Safety Harbor/Pinellas County	1.4	0.52	\$14,700	\$2,205	\$1,470	\$2,205	\$5,880	\$27,000	\$22,000	\$35,000
9	Bicycle	Tier 3	Enterprise Road	McMullen Booth Road to Philippe Park	Trail	Pinellas County	2.65	1.52	\$91,800	\$136,620	\$91,080	\$136,620	\$364,320	\$1,640,000	\$1,312,000	\$2,132,000
72	Bicycle	Tier 3	Allen Ave	McMullen Booth Rd to Egret Terr	Greenway	Pinellas County	2.8	0.53	\$14,800	\$2,220	\$1,480	\$2,220	\$5,920	\$27,000	\$22,000	\$35,000
128	Bicycle	Tier 3	Main St	McMullen Booth Rd to Philippe Pkwy	Greenway	Pinellas County	3.3	0.67	\$18,800	\$2,820	\$1,880	\$2,820	\$7,520	\$34,000	\$28,000	\$44,000
78	Bicycle	Tier 3	14th Ave S	McMullen Booth Rd to 7th St S	Bike Lane	FDOT	1.85	0.35	\$124,200	\$18,630	\$12,420	\$18,630	\$49,680	\$224,000	\$180,000	\$291,000
126	Bicycle	Tier 3	Philippe Parkway	Enterprise to SR 580	Trail	FDOT	3.3	1.33	\$800,900	\$120,135	\$80,090	\$120,135	\$320,360	\$1,442,000	\$1,154,000	\$1,875,000
117	Bicycle	Tier 3														

Pedestrian Recommendations

Note: All planning level costs do not include cost of Right-of-Way Acquisition, Drainage impacts, lighting (anticipated additional lighting at intersections) or inflation overtime.

Project_ID	Project Type	Tier	Location	Roadway Ownership	Project Limits	Improvement	Approximate Length (Miles)	Cost Rounded	Design (15%)	MOT (10%)	Mobilization (15%)	Contingency (40%)	Total Cost	Low Cost	High Cost
1	Sidewalk	Tier 1	Cedar Street	Safety Harbor	McMullen Booth Road to Elm St	Sidewalk on north side	0.30	\$60,100	\$9,015	\$6,010	\$9,015	\$24,040	\$108,180	\$87,000	\$141,000
107	Sidewalk	Tier 1	8th Ave N	Safety Harbor	2nd St N to 4th St N	Fill sidewalk gap both sides	0.10	\$19,000	\$2,850	\$1,900	\$2,850	\$7,600	\$34,200	\$28,000	\$45,000
2	Sidewalk	Tier 2	Dr. MLK Street/4th Street N	Safety Harbor	Harbor Oaks Circle to Elm Street	Fill sidewalk gap on south side	0.23	\$45,500	\$6,825	\$4,550	\$6,825	\$18,200	\$81,900	\$66,000	\$107,000
5	Sidewalk	Tier 2	2nd Avenue N	Safety Harbor	6th Street N to 7th Street N	Fill sidewalk gap	0.02	\$4,600	\$690	\$460	\$690	\$1,840	\$8,280	\$7,000	\$11,000
57	Sidewalk	Tier 2	7th Avenue N	Safety Harbor	4th Street N to 6th Street N	Sidewalk on one side	0.13	\$25,300	\$3,795	\$2,530	\$3,795	\$10,120	\$45,540	\$37,000	\$60,000
105	Sidewalk	Tier 2	1st Ave N	Safety Harbor	SH Middle School to Bow Ln	Fill sidewalk gap	0.27	\$53,400	\$8,010	\$5,340	\$8,010	\$21,360	\$96,120	\$77,000	\$125,000
109	Sidewalk	Tier 2	6th St S	Safety Harbor	7th Ave S to 8th Ave S	Fill sidewalk gap on south side	0.02	\$4,200	\$630	\$420	\$630	\$1,680	\$7,560	\$7,000	\$10,000
3	Sidewalk	Tier 3	Dr. MLK Street/4th Street N	Safety Harbor	Belmont Street and 10th Avenue N	Fill sidewalk gap on south side	0.03	\$5,600	\$840	\$560	\$840	\$2,240	\$10,080	\$9,000	\$14,000
7	Sidewalk	Tier 3	Philippe Parkway	Safety Harbor	MLK Street N to 3rd Street N	Retrofit sidewalk on the west side	0.06	\$12,100	\$1,815	\$1,210	\$1,815	\$4,840	\$21,780	\$18,000	\$29,000
56	Sidewalk	Tier 3	13th Avenue	Safety Harbor	3rd Street to Main Street	Sidewalk on both sides	0.10	\$20,600	\$3,090	\$2,060	\$3,090	\$8,240	\$37,080	\$30,000	\$49,000
59	Sidewalk	Tier 3	Meldrum Street	Safety Harbor	Meldrum Street	Sidewalk on one side	0.13	\$25,100	\$3,765	\$2,510	\$3,765	\$10,040	\$45,180	\$37,000	\$59,000
60	Sidewalk	Tier 3	7th Avenue N	Safety Harbor	2nd Street N to MLK St/4th Street N	Fill sidewalk gaps throughout	0.50	\$99,800	\$14,970	\$9,980	\$14,970	\$39,920	\$179,640	\$144,000	\$234,000
93	Sidewalk	Tier 3	N Bay Hills Blvd	Safety Harbor	N Bay Hills Blvd to Widgeon Ave	Fill sidewalk gap on south side	0.02	\$3,800	\$570	\$380	\$570	\$1,520	\$6,840	\$6,000	\$9,000
108	Sidewalk	Tier 3	3rd St N	Safety Harbor	8th Ave N to 5th Ave N	Fill sidewalk gap on north side	0.18	\$35,400	\$5,310	\$3,540	\$5,310	\$14,160	\$63,720	\$51,000	\$83,000
110	Sidewalk	Tier 3	6th St S	Safety Harbor	7th Ave S to S Bayshore Blvd	Fill sidewalk gap on south side	0.20	\$39,700	\$5,955	\$3,970	\$5,955	\$15,880	\$71,460	\$58,000	\$93,000
111	Sidewalk	Tier 3	6th Ave N	Safety Harbor	3rd St N to 4th St N	Fill sidewalk gap on east side	0.07	\$13,100	\$1,965	\$1,310	\$1,965	\$5,240	\$23,580	\$19,000	\$31,000
131	Sidewalk	Tier 3	9th Ave N	Safety Harbor	Marshall St to Harbor Lake Dr	Fill sidewalk gap on east side and potential for trail on west	0.23	\$45,600	\$6,840	\$4,560	\$6,840	\$18,240	\$82,080	\$66,000	\$107,000
133	Sidewalk	Tier 3	7th St N	Safety Harbor	3rd Ave N to 6th Ave N	Fill sidewalk gap	0.19	\$38,500	\$5,775	\$3,850	\$5,775	\$15,400	\$69,300	\$56,000	\$91,000
52	Sidewalk	Tier 3	Philippe Parkway	FDOT	Philippe Parkway/SR 590 to SR 580	Sidewalk on one side	0.09	\$16,900	\$2,535	\$1,690	\$2,535	\$6,760	\$30,420	\$25,000	\$40,000
6	Sidewalk	Tier 3	Allen Avenue	Pinellas	McMullen Booth Road to Egret Terrace	Sidewalk on south side	0.52	\$104,000	\$15,600	\$10,400	\$15,600	\$41,600	\$187,200	\$150,000	\$244,000
Sidewalk Projects Total													\$1,210,140	\$978,000	\$1,582,000

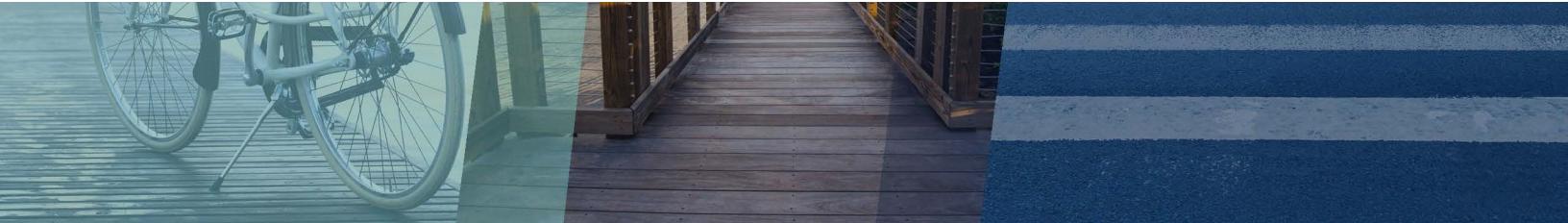
Intersection Recommendations

Note: All planning level costs do not include cost of Right-of-Way Acquisition, Drainage impacts, lighting (anticipated additional lighting at intersections) or inflation overtime.

Project_ID	Project Type	Tier	Location	Roadway Ownership	Improvement	Cost Rounded	Design (15%)	Signing and Marking (5%)	MOT (10%)	Mobilization (15%)	Contingency (40%)	Total Cost	Low Cost	High Cost
23	Crossing Improvement/Intersection	Tier 1	Veteran's Memorial Lane & S Bayshore Boulevard	Safety Harbor	Crossing Improvements	\$15,000	\$2,250	\$750	\$1,500	\$2,250	\$6,000	\$27,750	\$23,000	\$37,000
96	Crossing Improvement/Intersection	Tier 1	7th St N & 1st Ave N	Safety Harbor	Intersection Improvements	\$85,000	\$12,750		\$8,500			\$106,250	\$85,000	\$139,000
124	Crossing Improvement/Intersection	Tier 1	Main Street - 10th Ave S to Philippe Pkwy	Safety Harbor	Intersection Improvement Zone (Assumes 8 Intersections)*	\$860,000	-	-	-	-	-	\$860,000	\$688,000	\$1,118,000
26	Crossing Improvement/Intersection	Tier 2	Bayshore Drive & Jefferson St	Safety Harbor	Crosswalk and stop bar striping	\$1,500	\$225	\$75	\$150	\$225	\$600	\$2,775	\$3,000	\$4,000
125	Crossing Improvement/Intersection	Tier 2	Philippe Parkway	Safety Harbor	Intersection Improvement Zone (Assumes 1 Intersection)	\$40,000	\$6,000	\$2,000	\$4,000	\$6,000	\$16,000	\$74,000	\$60,000	\$97,000
32	Crossing Improvement/Intersection	Tier 3	Philippe Parkway & Enterprise Road	Safety Harbor	Traffic Calming/Crosswalk	\$9,000	\$1,350	\$450	\$900	\$1,350	\$3,600	\$16,650	\$14,000	\$22,000
132	Crossing Improvement/Intersection	Tier 3	Meldrum St to 7th St N	Safety Harbor	Potential New Pedestrian Bridge Connection - Cost to be determined if project is desired		-	-	-	-	-	-	-	-
134	Crossing Improvement/Intersection	Tier 3	9th Ave N & Dr MLK Jr St N	Safety Harbor	Crossing improvement on south side	\$9,300	\$1,395	\$465	\$930	\$1,395	\$3,720	\$17,205	\$14,000	\$23,000
135	Crossing Improvement/Intersection	Tier 3	7th St S & Woodwell Dr	Safety Harbor	Intersection Improvements	\$85,000	\$12,750	\$4,250	\$8,500	\$12,750	\$34,000	\$157,250	\$126,000	\$205,000
27	Crossing Improvement/Intersection	Tier 3	Enterprise Rd & Green Springs Dr	Pinellas County	Signage directing peds/bikes to RRFB crossing at Enterprise Rd & Harbor Woods Drive	\$700	\$105	\$35	\$70	\$105	\$280	\$1,295	\$2,000	\$2,000
123	Crossing Improvement/Intersection	Tier 3	Enterprise Rd - Huntington Blvd to Philippe Pkwy	Pinellas County	Intersection Improvement Zone (Assumes 1 Intersection)	\$85,000	\$12,750	\$4,250	\$8,500	\$12,750	\$34,000	\$157,250	\$126,000	\$205,000
113	Crossing Improvement/Intersection	Tier 3	SR 580 & N Bay Hills Dr	FDOT	Intersection improvements	\$85,000	\$12,750	\$4,250	\$8,500	\$12,750	\$34,000	\$157,250	\$126,000	\$205,000
114	Crossing Improvement/Intersection	Tier 3	SR 580 & Bridgeport Dr	FDOT	Intersection Improvements	\$85,000	\$12,750	\$4,250	\$8,500	\$12,750	\$34,000	\$157,250	\$126,000	\$205,000
115	Crossing Improvement/Intersection	Tier 3	SR 580 & SR 590	FDOT	Intersection Improvements	\$85,000	\$12,750	\$4,250	\$8,500	\$12,750	\$34,000	\$157,250	\$126,000	\$205,000
136	Crossing Improvement/Intersection	Tier 3	10th St S & McMullen Booth Rd	FDOT	Intersection improvement - Add a right turn lane with ped refuge	\$85,000	\$12,750	\$4,250	\$8,500	\$12,750	\$34,000	\$157,250	\$126,000	\$205,000
99	Crossing Improvement/Intersection	Tier 3	N Bay Hills Blvd & Widgeon Ave	CSX	Crossing improvements at RxR	\$350,000	\$52,500	\$17,500	\$35,000	\$52,500	\$140,000	\$647,500	\$518,000	\$842,000

*Cost includes design and contingency

Intersection Projects Total **\$2,696,925** **\$2,163,000** **\$3,514,000**



Workshop Comment Card



MOVING SAFETY HARBOR FORWARD

Sidewalk and Bicycle Facilities Master Plan Community Workshop Comment Card

Name (Optional) _____

Do you live in Safety Harbor? _____ Yes _____ No

Do you work in Safety Harbor? _____ Yes _____ No

- 1) Tell us how you travel in and around Safety Harbor? What are locations that you wish would be easier or more comfortable to access?

- 2) What are your sidewalk and bicycle facility related concerns in Safety Harbor?

Please provide any additional feedback for the Safety Harbor Sidewalk and Bicycle Facilities Master Plan:



Please submit your completed handout before leaving the workshop.