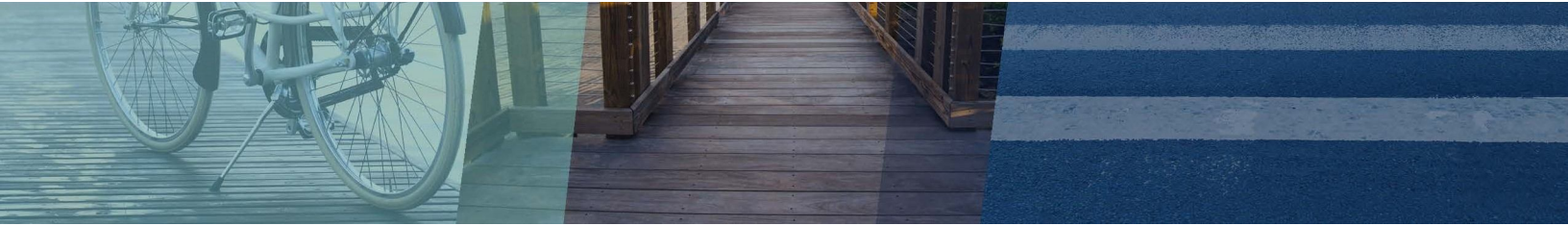


APPENDIX



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	\$27,000	\$22,000	\$35,000
18	Bicycle	Tier 3	Philippe Parkway	Main Street to Enterprise	Trail	Safety Harbor	3.45	1.56	\$939,000	\$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 Cir 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	\$910,800	\$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	Channelside Ct Bridge	Channelside Ct to Oldsmar Trail	Trail Improvement - Cost to be determined if project is desired	Pinellas County/Oldsmar/Other	3.3	0.08	-	-	-	-	-	-	-	-
Bicycle Projects Total														\$6,910,000	\$5,546,000	\$8,982,000

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.

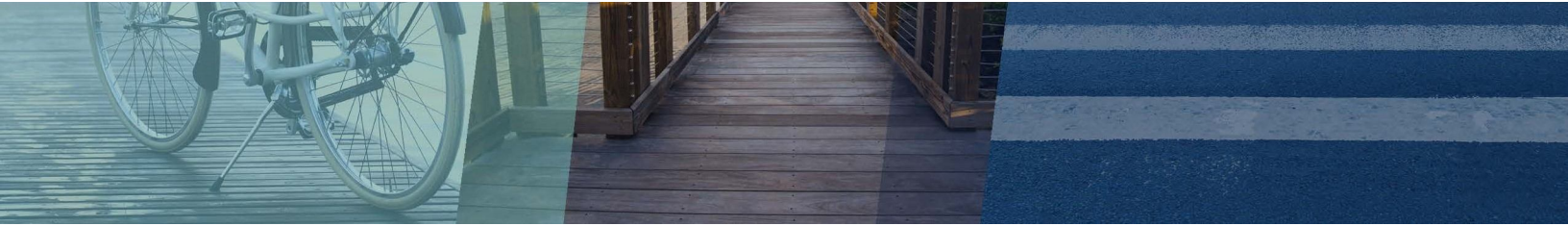
Project_ID	Project Type	Tier	Location	Roadway Ownership	Project Limits	Improvement	Approximate Length (Miles)	Cost Rounded	Design (15%)	MOT (10%)	Mobilization (15%)	Contingency (40%)	Total Cost	Low Cost	High Cost
1	Sidewalk	Tier 1	Cedar Street	Safety Harbor	McMullen Booth Road to Elm St	Sidewalk on north 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	Phillippe 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	Phillippe Parkway	FDOT	Phillippe 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
Intersection Projects Total												\$2,696,925	\$2,163,000	\$3,514,000

*Cost includes design and contingency



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.