

— CHAPTER SIX —

IMPLEMENTATION

IN THIS CHAPTER:

- a. General Implementation Actions**
- b. Funding Opportunities**
- c. Project Prioritization Matrix**

This chapter highlights general implementation actions and funding opportunities. The chapter also provides a project prioritization matrix that outlines a summary of trail and greenway segments, probable costs, and priorities.

GENERAL IMPLEMENTATION ACTIONS

The Village of Marvin must work diligently to make the Marvin Parks and Greenways Master Plan vision a reality. The Village can take the following general actions to move toward plan implementation:

1. FUNDING OPPORTUNITIES

The Village should seek a variety of funding sources for implementation of the master plan. Multiple funding opportunities should be explored due to the different trail types and locations outlined in this plan.

2. SUBDIVISION ORDINANCE

The Village should continue to implement and further refine their subdivision ordinance to ensure that future growth supports park and greenway development and open space dedication.

3. LANDOWNER OUTREACH

Landowner outreach and engagement will be necessary for some routes. Coordination with NCDOT will be important for greenway connections planned within NCDOT right-of-ways.

4. DEDICATED STAFF CAPACITY

The Village of Marvin must dedicate staff capacity to successfully implement the Marvin Parks and Greenways Master Plan. Grant writing, landowner outreach, and NCDOT coordination will all be important responsibilities for Village staff in order to implement the plan.

FUNDING OPPORTUNITIES

Identifying the funding to build or expand municipal greenway and trail systems can be a challenging effort given the realities of any town's budgetary constraints. The secret, however, is to be innovative and creative to leverage specific local funding sources to take advantage of federal and state funds, private developer fees, and even in-kind donations of land or funds to build and/or improve recreational facilities.

Many federal, state, and foundation grants have a recreation, environment, or health and wellness focus. Greenways and trails typically address all three of these focus areas. Project development should include a grant funding strategy that takes advantage of every grant cycle for the potential funding sources outlined in the funding opportunities matrix.

FUNDING OPPORTUNITIES MATRIX

Partnership Funding Agency	Village of Marvin Greenway System Implications	Maximum Amount	Matching Funds Required	Application Deadlines
Recreational Trails Program (RTP)	All types of trails and greenways	\$100,000	25%	Spring
NC Parks and Recreation Trust Fund (PARTF)	All types of parks, trails, and recreation facilities	\$500,000	50%	May
NC Water Resources Development Grant (NCWR)	Greenways along waterways and in riparian corridors	\$200,000	50%	January/June
People for Bikes Community Grant	Bicycle infrastructure projects	\$10,000	50%	January/July

PROJECT PRIORITIZATION MATRIX

Each greenway and trail segment is further divided into sub-segments for implementation purposes. The trail type, length, status, probable cost, start/end points, and priority are listed for each sub-segment. The trail status was defined as existing, programmed, or proposed. Easements for programmed trails are secured. Probable costs were reflected based on the following linear foot unit price: DOT Sidepath (\$200/LF); Typical Greenway (\$200/LF); Crushed Stone Path (\$80/LF); and Natural Surface Trail (\$25/LF). Cost estimates are projected to account for increased costs of construction and inflation in the future.

Sub-segment priority varied depending on trail status, connections to existing trails, and connections to destinations. Priority is defined by the following implementation timeline: short-term (1-5 years); mid-term (5-10 years); and long-term (10+ years). Existing trail sub-segments are not included in the total lengths in the matrix.

TRAIL STATUS

Trail Status	Length (linear feet)	Length (miles)
Existing	21,783	4.13
Programmed	25,191	4.77
Proposed	137,028	25.95

PRIORITY

Priority	Length (linear feet)	Length (miles)	Probable Cost
Short	56,459	10.69	\$6,934,510
Mid	49,045	9.29	\$5,485,485
Long	51,942	9.84	\$7,137,805

Note: Lengths of existing trails are not included in totals.

PROJECT PRIORITIZATION MATRIX

Note: Lengths of existing trails are not included in totals.

Trail Segment	Name	Trail Type	Length (linear feet)	Length (miles)	Trail Status	Probable Cost	Start/End	Priority
S1		DOT Sidepath/ Typical Greenway	8,662	1.64	Existing		Yellow Jasmine Lane - Wheat Field Drive and short section in vicinity of Golden Bell Drive	Existing
S1a		DOT Sidepath/ Typical Greenway	2,138	0.40	Programmed ³	\$427,600	Saddle Avenue - New Town	Short
S1b		DOT Sidepath/ Typical Greenway	8,915	1.69	Proposed	\$1,783,000	Wheat Field Drive - Saddle Avenue and New Town - Yellow Jasmine Lane	Short
S1 TOTAL	Marvin Loop		11,053	2.09		\$2,210,600		
S2a		DOT Sidepath/ Typical Greenway	4,108	0.78	Proposed	\$821,600	Waxhaw Marvin Road and New Town Road intersection - Stacy Howie Road	Mid
S2b		DOT Sidepath/ Typical Greenway	8,300	1.57	Proposed	\$1,660,000	Stacey Howie Road - Crane Road	Short
S2c		DOT Sidepath/ Typical Greenway	6,268	1.19	Proposed	\$1,253,600	Crane Road - Village Limits	Long
S2 TOTAL	Waxhaw Marvin Greenway		18,676	3.54		\$3,735,200		
C1 TOTAL	North McBride Branch Greenway	Crushed Stone Path	2,337	0.44	Proposed	\$186,960	Tom Short Road - Six Mile Creek/Future Park	Mid
C2		Crushed Stone Path	1,144	0.22	Existing		C2 Programmed/Walkers Bluff Court - Meadows Vista Drive	Existing
C2 TOTAL	Tullamore Trail	Crushed Stone Path	5,424	1.03	Programmed ¹	\$433,920	Tom Short Road - C2 Existing Gravel	Short
C3a		Crushed Stone Path	5,017	0.95	Proposed	\$401,360	Tom Short Road to Marvin School Road	Mid
C3b		DOT Sidepath	1,025	0.19	Proposed	\$205,000	C3 Proposed/Marvin School Road - Joe Kerr Road	Short
C3 TOTAL	Wyndham Hall Greenway		6,042	1.14		\$606,360		
C4a		Crushed Stone Path	1,782	0.34	Proposed	\$142,560	Six Mile Creek - Joe Kerr Road	Mid
C4b		Crushed Stone Path	2,004	0.38	Proposed	\$160,320	Joe Kerr Road - Running Horse Lane	Mid
C4		Crushed Stone Path	1,708	0.32	Existing		Running Horse Lane - Painted Turtle Court	Existing
C4c		Crushed Stone Path	4,758	0.90	Proposed	\$380,640	Painted Turtle Court - Intersection of New Town and Marvin School Roads	Short
C4 TOTAL	Marvin Branch Greenway		8,544	1.62		\$683,520		

Programmed Trail Status:
 1 - Acquired by the Village of Marvin
 2 - To be acquired by NCDOT
 3 - Will be granted by Developer/HOA

Trail Segment	Name	Trail Type	Length (linear feet)	Length (miles)	Trail Status	Probable Cost	Start/Land	Priority
C5 TOTAL	Six Mile Creek Connector	DOT Sidepath	1,508	0.29	Proposed	\$301,600	Intersection Joe Kerr and Marvin Road - Six Mile Creek	Short
C6 TOTAL	Saddle Avenue Connector	Sharrow - on road	2,521	0.48	Proposed		Marvin Branch - intersection of Saddle Avenue and Marvin Road	Long
C7		Crushed Stone Path	2,411	0.46	Existing		Pampas Way - Golden Bell Drive	Existing
C7 TOTAL	Preserve Trail	Crushed Stone Path	3,997	0.76	Programmed ¹	\$319,760	Goldern Bell Drive - White Dogwood Lane	Short
C8a		Crushed Stone Path	7,760	1.47	Proposed	\$620,800	Marvin Road - Woodland Forest Road	Mid
C8b		DOT Sidepath/ Typical Greenway	862	0.16	Proposed	\$172,400	C8a - Intersection of Woodland Forest and New Town Roads	Mid
C8 TOTAL	Woodland Forest Connector		8,622	1.63		\$793,200		
C9 TOTAL	Marvin Loop Connector	DOT Sidepath/ Typical Greenway	4,201	0.80	Proposed	\$840,200	NC/SC State Line - Intersection of Marvin and New Town Roads	Long
C10a		Crushed Stone Path	3,625	0.69	Programmed ³	\$290,000	Waxhaw Marvin Road - Cow Branch and NC/SC State Line	Mid
C10b		Crushed Stone Path	3,426	0.65	Proposed	\$274,080	Cow Branch and NC/SC State Line - Stacy Howie Road	Long
C10c		DOT Sidepath/ Typical Greenway	1,118	0.21	Proposed	\$223,600	NC/SC State Line at Stacy Howie Road - Waxhaw Marvin Road	Long
C10 TOTAL	Broadmoor Greenway		8,169	1.55		\$787,680		
C11a		DOT Sidepath	1,539	0.29	Proposed	\$307,800	New Town Road - Private Drive	Long
C11b		DOT Sidepath	4,282	0.81	Proposed	\$856,400	Private Drive - Duke Energy ROW (C18)	Mid
C11c		DOT Sidepath	2,456	0.47	Proposed	\$491,200	Duke Energy ROW (C18) - Waxhaw Marvin Road	Short
C11 TOTAL	Crane Road Greenway		8,277	1.57		\$1,655,400		

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PROJECT PRIORITIZATION MATRIX (CONTINUED)

Note: Lengths of existing trails are not included in totals.

Trail Segment	Name	Trail Type	Length (linear feet)	Length (miles)	Trail Status	Probable Cost	Start/End	Priority
C12 TOTAL	Cowhorn Branch Greenway	Crushed Stone Path	8,788	1.66	Proposed	\$703,040	Crane Road - Waxhaw Marvin Road	Short
C13								
C13 TOTAL	Chimneys Trail	Natural Surface Trail	6,641	1.26	Existing		Henry Nesbit Road/NC/SC State Line - Tar Kiln Branch	Existing
		Natural Surface Trail	3,182	0.60	Programmed ¹	\$79,550	Tar Kiln Branch - Waxhaw Marvin Road	Short
C14a		Natural Surface Trail/ Sharrow - on road	5,845	1.11	Proposed		Tar Kiln Branch - Laurelwood Lane	Long
C14b		Sharrow - on road	1,711	0.32	Proposed		Sandlewood Lane - Waxhaw Marvin Road	Long
C14 TOTAL	Tar Kiln Branch Connector		7,556	1.43				
C15		DOT Sidepath/ Typical Greenway	465	0.09	Existing		Vicinity of Belle Grove Drive	Existing
C15 TOTAL	Bonds Grove Church Greenway	DOT Sidepath/ Typical Greenway	6,288	1.20	Proposed	\$1,257,600	Waxhaw Marvin Road - Providence Road	Long
C16 TOTAL	Belle Grove Trail	Crushed Stone Path	2,052	0.39	Programmed ³	\$164,160	Bonds Grove Church Road - Duke Power ROW	Mid
C17		DOT Sidepath/ Typical Greenway	752	0.14	Existing		Sidewalk in vicinity of Restoration Drive	Existing
C17 TOTAL	Providence Road Greenway	DOT Sidepath/ Typical Greenway	4,773	0.90	Programmed ²	\$954,600	Bonds Grove Church Road - New Town Road	NCDOT Project
C18a		Natural Surface Trail	4,709	0.89	Proposed	\$117,725	Broomes Old Mill Road - Providence Road	Long
C18b		Natural Surface Trail	7,853	1.49	Proposed	\$196,325	Providence Road - Crane Road	Mid
C18c		Natural Surface Trail	5,287	1.00	Proposed	\$132,175	Crane Road - Waxhaw Marvin Road	Short
C18d		Natural Surface Trail	681	0.13	Proposed	\$17,025	Waxhaw Marvin Road - NC/SC State Line	Short
C18 TOTAL	Powerline Trail		18,530	3.51		\$463,250		

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Trail Segment	Name	Trail Type	Length (linear feet)	Length (miles)	Trail Status	Probable Cost	Start/End	Priority
C19 TOTAL	Broomes Old Mill Connector	DOT Sidepath	3,852	0.73	Proposed	\$770,400	New Town Road - Duke Energy ROW	Long
C20a		DOT Sidepath	7,363	1.39	Proposed	\$1,472,600	Intersection of New Town and Marvin School Roads - Marvin Efrid Park	Mid
C20b		DOT Sidepath	10,464	1.98	Proposed	\$2,092,800	Marvin Efrid Park - Ennis/Broomes Old Mill Roads	Long
C20 TOTAL	New Town Road Greenway		17,827	3.38		\$3,565,400		
		Totals	162,219	30.72		\$20,512,400		

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