

CLARKE CREEK GREENWAY > PHASE 1

CLARK CREEK PARKWAY TO THE ROCKY RIVER/CLARKE CREEK CONFLUENCE - PART OF THE COX MILL SCHOOL LOOP

Clarke Creek Greenway Phase 1 improves and enhances the existing private community trails of Christenbury and Highland Creek, converting them into a City Greenway. As part of the Cox Mill School Loop, this trail extends from Clarke Creek Parkway east to Cox Mill Road, providing many residents with direct greenway access. Future phases of the Clarke Creek Greenway will connect north to Harris Road and east to the schools.

Project Snapshot

- > Project Location: Between Clarke Creek Parkway and the confluence of Rocky River and Clarke Creek. Trailhead parking is proposed off Cox Mill Road.
- > Project Type: Greenway
- > Length of Project: 1.81 Miles
- > Estimated Construction Year: 2023
- > Trail Trip generators
 - Highland Creek Neighborhood
 - Christenbury Neighborhood

Previous Planning Efforts

- > Livable Community Blueprint for Cabarrus County (2001-2010)

Potential Right of Way Needs

- > Total estimated area needed: 9.23AC
- > Number of impacted parcels (not City or County owned): 10
- > Number of impacted property owners: 2

Potential Permitting Needs

- > Erosion Control
- > 401/404 permitting
- > NCDOT Encroachments
- > CLOMR/LOMR flood modeling permits

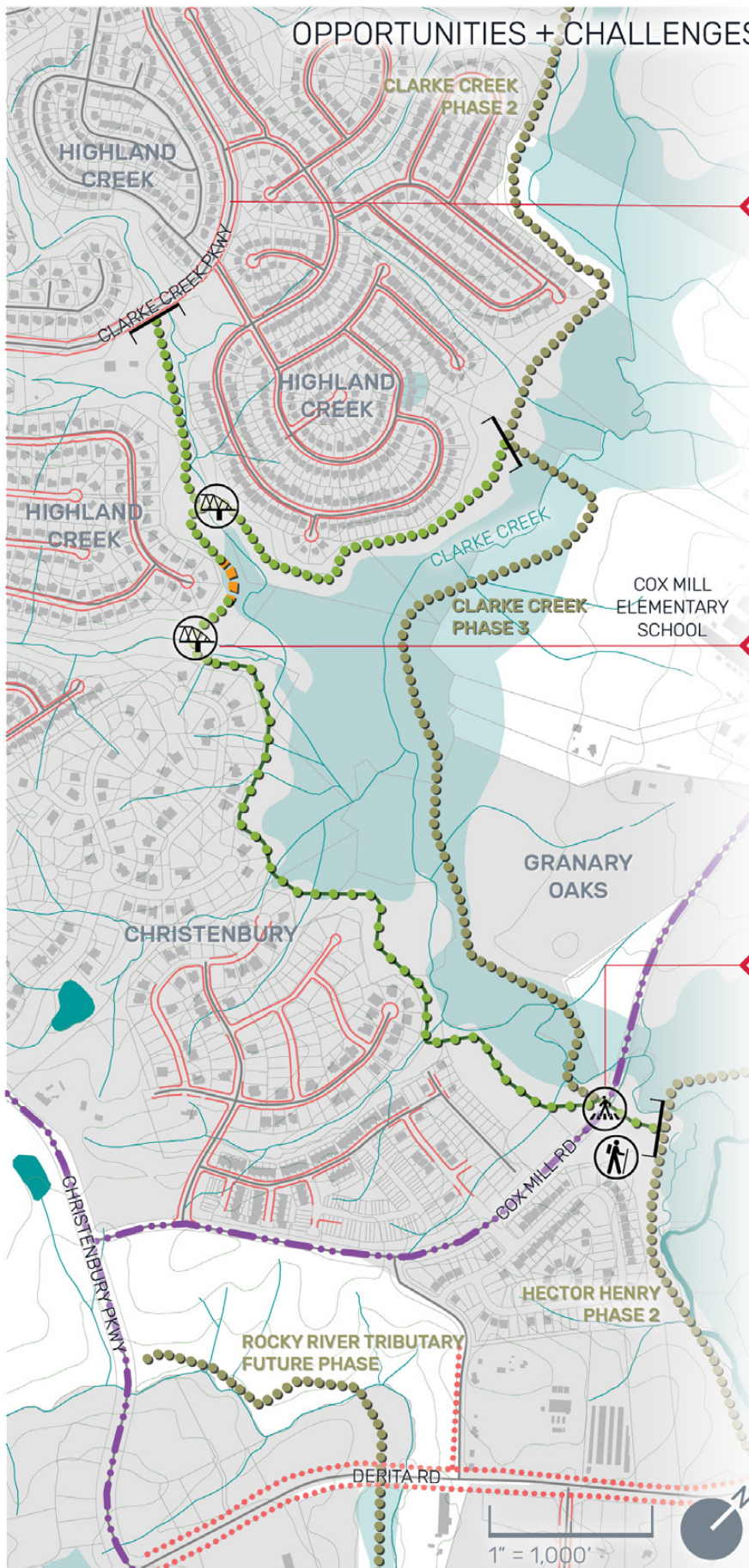
Estimated Project Cost

2019 Construction Cost Estimate (Basis for Calculations):	\$ 2,570,000.00
Escalated Construction Cost Estimate (FY2023):	\$ 3,052,000.00
10% Contingency:	\$ 306,000.00
Estimated Right of Way Costs:	\$ 30,000.00
Estimated Design Services ±3% *adjust per project	\$ 283,000.00
Estimated CEI Services ±2% *adjust per project	\$ 306,000.00
TOTAL ESTIMATED BUDGET RECOMMENDATION:	\$ 3,977,000.00

Potential Funding Sources

- > CRMPO/LAPP funding
- > NCDOT/STI funding
- > City of Concord CIP funding
- > Bonds

OPPORTUNITIES + CHALLENGES > CLARKE CREEK PHASE 1



Clarke Creek Parkway and neighborhood streets are lined on both sides by sidewalks. In addition, Clarke Creek Parkway is wide enough to accommodate striped bike lanes.



Work with neighborhoods to improve existing greenway trails. City of Concord to assume management.



Traffic volume and vehicular speed on Cox Mill Road requires signalized crossing based on traffic volumes and road speed.

LEGEND

- PROPOSED GREENWAY TRAIL
- BOARDWALK POTENTIALLY REQUIRED
- ADJACENT GREENWAY PROJECT
- PROPOSED MULTI-USE CORRIDOR
- PROPOSED SIDEWALK
- FUNDED PROJECT
- EXISTING GREENWAY
- EXISTING SIDEWALK
- EXISTING STREET
- CITY CORPORATE LIMITS
- STREAM
- WETLAND
- PEDESTRIAN CROSSWALK
- PEDESTRIAN BRIDGE
- PEDESTRIAN UNDERPASS
- POTENTIAL TRAILHEAD PARKING

CLARKE CREEK GREENWAY > PHASE 2

HARRIS ROAD TO PHASE 1 AT HIGHLAND CREEK

Clark Creek Greenway Phase 2 provides a greenway extension around the Highland Creek neighborhood along Clarke Creek that begins at the end of Clarke Creek Greenway Phase 1, extending north to Harris Road and the Skybrook neighborhood. Connections to the Winding Walk community will allow additional trail users access to the network and eventually to Cox Mill Schools (with the addition of Clarke Creek Greenway Phase 3).

Project Snapshot

- > Project Location: Between the terminus of Phase 1 in Highland Creek to Harris Road
- > Project Type: Greenway
- > Length of Project: 2.04 Miles
- > Estimated Construction Year: 2022
- > Trail Trip generators
 - Highland Creek Neighborhood
 - Winding Walk
 - Cox Mill elementary School
 - Allen Mills Neighborhood
 - Odell Recreation Fields

Previous Planning Efforts

- > Cabarrus County Livable Communities Blueprint

Potential Right of Way Needs

- > Total estimated area needed: 10 AC
- > Number of impacted parcels (not City or County owned): 14
- > Number of impacted property owners: 9

Potential Permitting Needs

- > Erosion Control
- > 401/404 permitting
- > NCDOT Encroachments
- > CLOMR/LOMR flood modeling permits

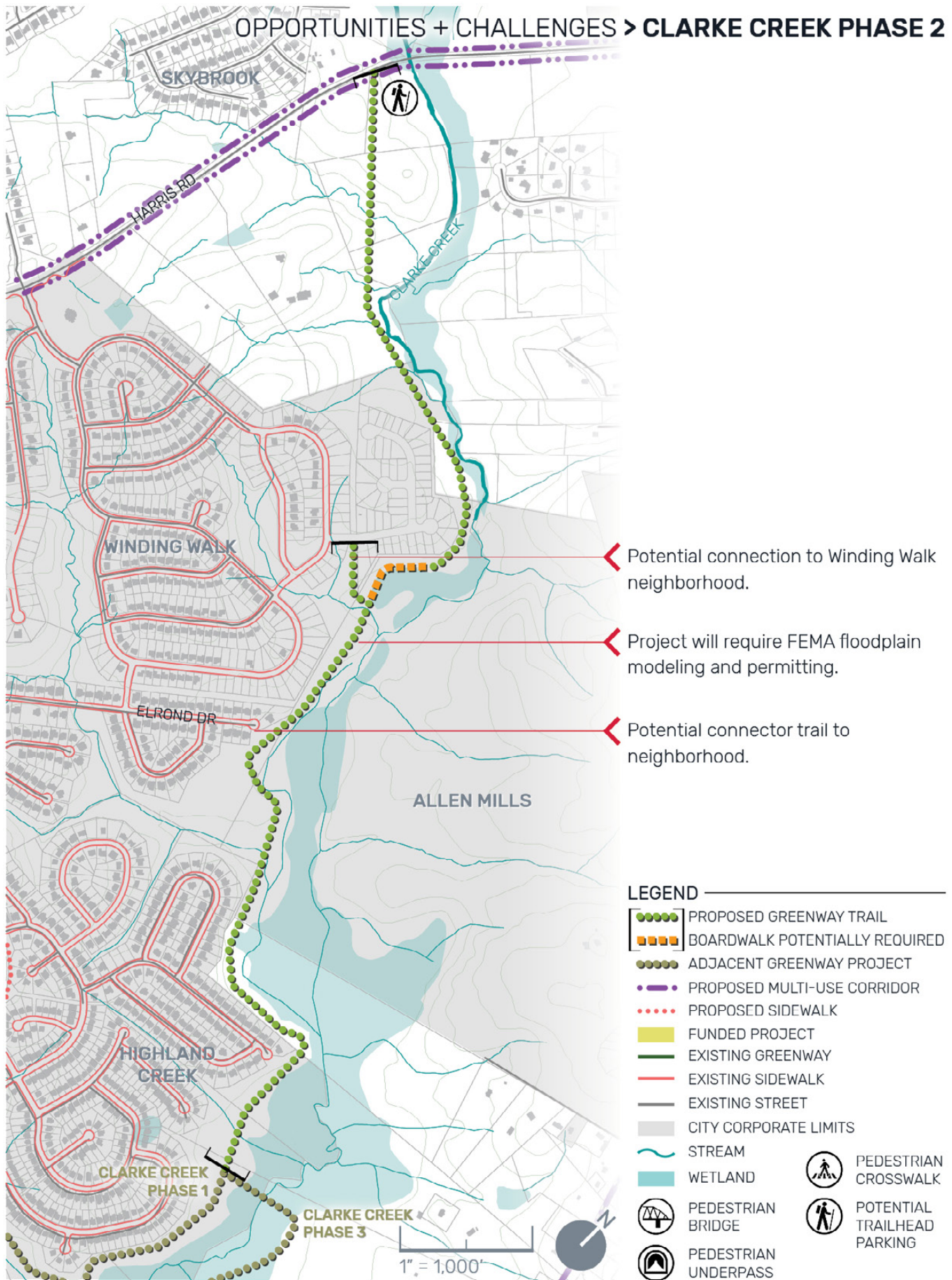
Estimated Project Cost

2019 Construction Cost Estimate (Basis for Calculations):	\$ 2,698,000.00
Escalated Construction Cost Estimate (FY2034):	\$ 4,678,000.00
10% Contingency:	\$ 468,000.00
Estimated Right of Way Costs:	\$ 80,000.00
Estimated Design Services ±3% *adjust per project	\$ 297,000.00
Estimated CEI Services ±2% *adjust per project	\$ 468,000.00
TOTAL ESTIMATED BUDGET RECOMMENDATION:	\$ 5,991,000.00

Potential Funding Sources

- > CRMPO/LAPP funding
- > NCDOT/STI funding
- > City of Concord CIP funding
- > Bonds

OPPORTUNITIES + CHALLENGES > CLARKE CREEK PHASE 2



CLARKE CREEK GREENWAY > PHASE 3

COX MILL ROAD TO PHASE 1 AND 2 INTERSECTION AT HIGHLAND CREEK

Part of the Cox Mill School Loop, Clark Creek Greenway Phase 3 extends from Cox Mill Road west on the east side of the creek, crossing the creek to connect to the intersection of Clarke Creek Greenway Phases 1 and 2 in the Highland Creek Neighborhood.

Project Snapshot

- > Project Location: Between Cox Mill Road to Highland Creek neighborhood
- > Project Type: Greenway
- > Length of Project: 1.05 Miles
- > Estimated Construction Year: 2023
- > Trail Trip generators
 - Cox Mill Elementary School
 - Highland Creek Neighborhood
 - Christenbury Neighborhood

Previous Planning Efforts

- > Livable Community Blueprint for Cabarrus County (2001-2010)

Potential Right of Way Needs

- > Total estimated area needed: 5.64 AC
- > Number of impacted parcels (not City or County owned): 5
- > Number of impacted property owners: 4

Potential Permitting Needs

- > Erosion Control
- > 401/404 permitting
- > NCDOT Encroachments
- > CLOMR/LOMR flood modeling permits

Estimate Project Cost

2019 Construction Cost Estimate (Basis for Calculations):	\$ 1,887,000.00
Escalated Construction Cost Estimate (FY2023):	\$ 2,241,000.00
10% Contingency:	\$ 225,000.00
Estimated Right of Way Costs:	\$ 10,000.00
Estimated Design Services ±3% *adjust per project	\$ 208,000.00
Estimated CEI Services ±2% *adjust per project	\$ 225,000.00
TOTAL ESTIMATED BUDGET RECOMMENDATION:	\$ 2,909,000.00

Potential Funding Sources

- > CRMPO/LAPP funding
- > NCDOT/STI funding
- > City of Concord CIP funding
- > Bonds

OPPORTUNITIES + CHALLENGES > CLARKE CREEK PHASE 3

