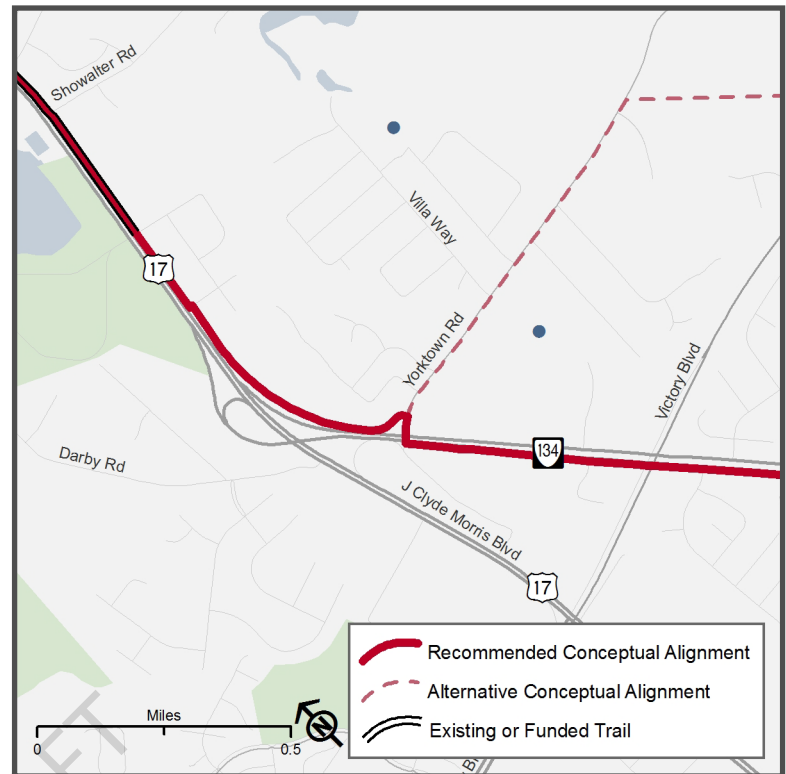


5. Route 17 to North Armistead Avenue

A Closer Look: Thomas Nelson Drive & Butler Farm Road

The intersection of Yorktown Road and Hampton Highway is signalized, allowing left and right turns on Hampton Highway, but does not currently have any bicycle or pedestrian accommodations. Further study should evaluate pedestrian signalization and design treatments (ex: median refuge islands) to improve safety and mobility for active transportation users.

Hampton Highway appears to have sufficient right of way but further study must ensure that cyclists and pedestrians can safely cross Victory Boulevard. The southbound channelized right-turn lane (slip lane) should be retrofitted to reduce turning speeds, allow motorists and pedestrians/cyclists to see each other, and decrease pedestrian crossing distances (through a pedestrian island with curb ramps or cut-throughs). The FHWA and www.pedbikesafe.org provide design guidance for channelized right-turn lanes.



Segment Details:

Segment Number	From	To	Length (Miles)	Existing/Funded Portion	VDOT Maintained?	Part of Existing Plan?	Planning-level Cost Estimate
Rec-5A	GW Hwy (Rt 17) & Ella Taylor Rd	Yorktown Rd (Rt 705) & Cardinal Ln	1.14	0.40	VDOT	Yes	\$1.0M
Rec-5B	Yorktown Rd (Rt 705) & Cardinal Ln	Hampton Hwy (Rt 134) & Big Bethel Rd (Rt 600)	2.08	0.00	VDOT	No	\$2.8M
Rec-5C	Big Bethel Rd (Rt 600) & Hampton Hwy (Rt 134)	Butler Farm Rd & N Armistead Rd	5.27	0.00	Mixed	No	\$9.4M
Total			8.49	0.40			\$13.3M

Cost Notes

Rec-5A: Existing SUP from Showalter to Mill

Rec-5B: Intersection improvements needed at Victory Blvd

Rec-5C: Widening required for bridge over Big Bethel Reservoir, proposed bike lanes

5. Route 17 to North Armistead Avenue



George Washington Highway (Route 17), York County (Rec-5A)

After exiting the athletic complex, the route follows an existing shared-use path on the east side of Route 17



Thomas Nelson Drive, City of Hampton (Rec-5C)

The route travels east on Thomas Nelson Drive (above) and Butler Farm Road

Map Segments

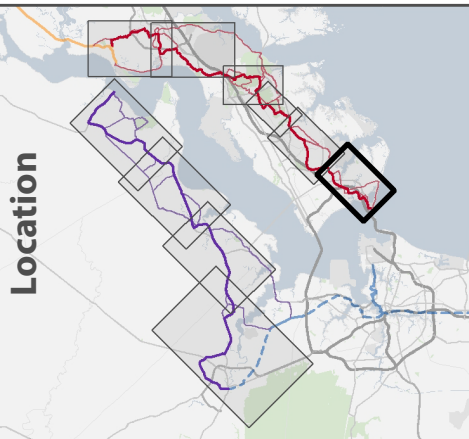
Birthplace of America
Trail Study

6. North Armistead to Fort Monroe



Cost
\$18.4 Mil
Recommended Concept

Length
Recommended Concept
7.6 Miles
0 Miles Complete/Funded 7.6 Miles To be Constructed



Route Summary

The Recommended Route proceeds south on North Armistead Avenue and then east on Settlers Landing Road. The route turns right on East Tyler Street (prior to I-64) and left on Emancipation Drive, which transitions to Martin Luther King Jr. Boulevard. The route takes a left on South Mallory Street towards Phoebus and follows East Mellen Street and McNair Drive to Fort Monroe, the peninsula terminus of the Birthplace of America Trail.

Segment Opportunities

- The route follows a proposed shared-use path on North Armistead Avenue (Bike Walk Hampton).
- The route connects to historic sites, such as Emancipation Oak and Fort Monroe.
- The route connects the campuses of Hampton University and the VA Medical Center to downtown Phoebus (see next page for more detail).

Segment Constraints

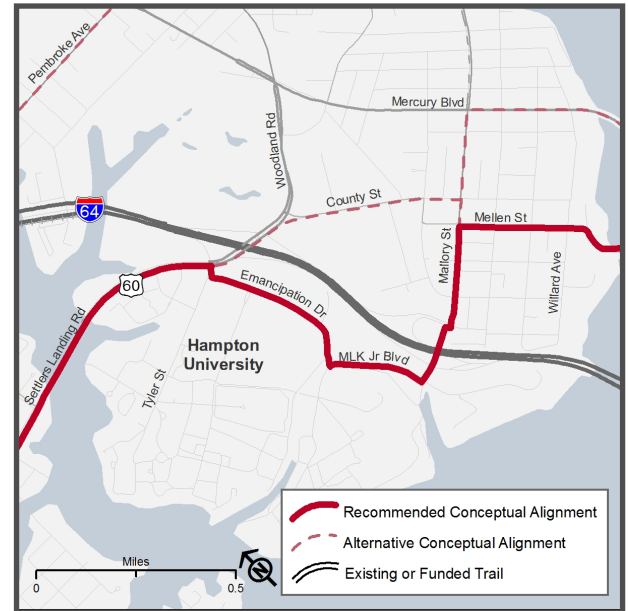
- Armistead Avenue carries approx. 17,000 vehicles per day (VDOT, 2015) and currently lacks bicycle facilities. Further study should evaluate shared-use path alternatives and address key barriers, such as the intersection of West Mercury Blvd and the I-64 underpass, which will need to accommodate a path between the bridge piers and the slope wall.
- See next page for more on the Rt. 60 crossing of the Hampton River.

6. North Armistead to Fort Monroe

A Closer Look: Hampton University and Phoebus

The Route 60 bridge (Settlers Landing Road) over the Hampton River is a four-lane divided arterial that carries 14,000 vehicles per day (VDOT, 2015). While there is no available space for a shared-use path or cycletrack, further study should evaluate active transportation improvements, including, but not limited to: a road diet, protected bike lanes, or cantilevered paths off the existing sidewalks (which may require additional structural support).

Hampton University and the VA Medical require additional time to evaluate the routing. If approved, further study should evaluate alternatives, such as widening of existing sidewalks or use of the grass area between the roadway and parking lots. The path would connect students, faculty, staff, patients, and visitors to Phoebus and Fort Monroe via active transportation facilities.



Segment Details:

Segment Number	From	To	Length (Miles)	Existing/Funded Portion	VDOT Maintained?	Part of Existing Plan?	Planning-level Cost Estimate
Rec-6A	N Armistead Ave & Butler Farm Rd	N Armistead Ave (Rt 134) & Tide Mill Ln	0.81	0.00	VDOT	No	\$1.1M
Rec-6B	N Armistead Ave (Rt 134) & Tide Mill Ln	N Armistead Ave (Rt 134) & Lasalle Ave (Rt 167) via Armistead Ave	1.79	0.00	VDOT	No	\$3.6M
Rec-6C	N Armistead Ave (Rt 134) & Lasalle Ave (Rt 167)	N Armistead Ave (Rt 134) & Patterson Ave	0.16	0.00	VDOT	No	\$.8M
Rec-6D	N Armistead Ave (Rt 134) & Patterson Ave	N Armistead Ave (Rt 134) & W Pembroke Ave (Rt 351)	0.64	0.00	VDOT	No	\$.9M
Rec-6E	N Armistead Ave (Rt 134) & W Pembroke Ave (Rt 351)	N Armistead Ave (Rt 134) & Settlers Landing Rd	0.37	0.00	VDOT	No	\$.5M
Rec-6F	Settlers Landing Rd & N Armistead Ave (Rt 134)	Settlers Landing Rd (Rt 143) & Tyler St	1.08	0.00	VDOT	No	\$6.0M
Rec-6G	Settlers Landing Rd (Rt 143) & Tyler St	S Mallory St & Mellen St	1.10	0.00	Mixed	No	\$1.5M
Rec-6H	E Mellen St (Rt 143) & S Mallory St (Rt 169)	Mercury Blvd (Rt 258) & Ingalls Rd (Rt 143)	0.69	0.00	VDOT	No	\$2.8M
Rec-6I	Mercury Blvd (Rt 258) & Ingalls Rd (Rt 143)	Fort Monroe	0.93	0.00	Mixed	No	\$1.3M
Total			7.58	0.00			\$18.4M

Cost Notes

Rec-6B: Widening or new bike ped bridge required SW Branch Back River

Rec-6C: Underpass reconstruction required under I-64

Rec-6F: Widening or new bike ped bridge require over Hampton River

Rec-6H: Widening or new bike ped bridge required on Mellen Street over Mill Creek

6. North Armistead to Fort Monroe



Armistead Avenue, City of Hampton (Rec-6B)

The route follows a proposed shared-use path on North Armistead Avenue (Bike Walk Hampton)



East Mellen Street, City of Hampton (Rec-6H)

The route follows East Mellen Street across the Hampton River before arriving at Fort Monroe