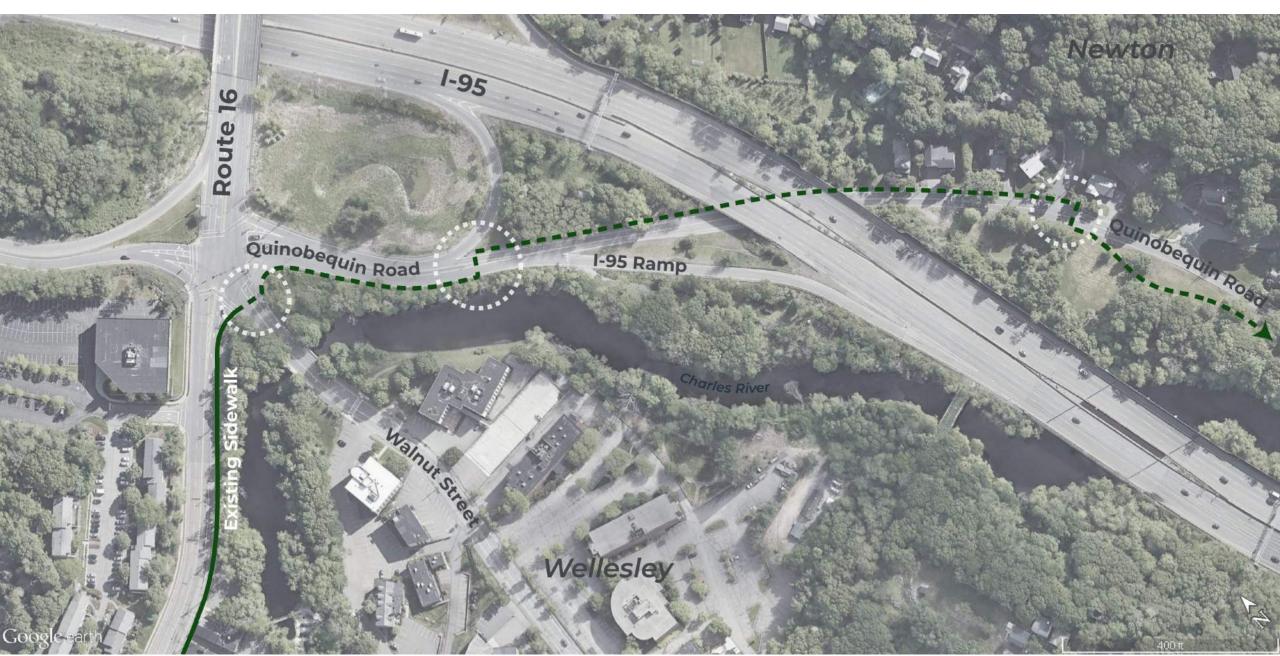
Route 16/Quinobequin Road Trail Connection Alternatives





March 2020

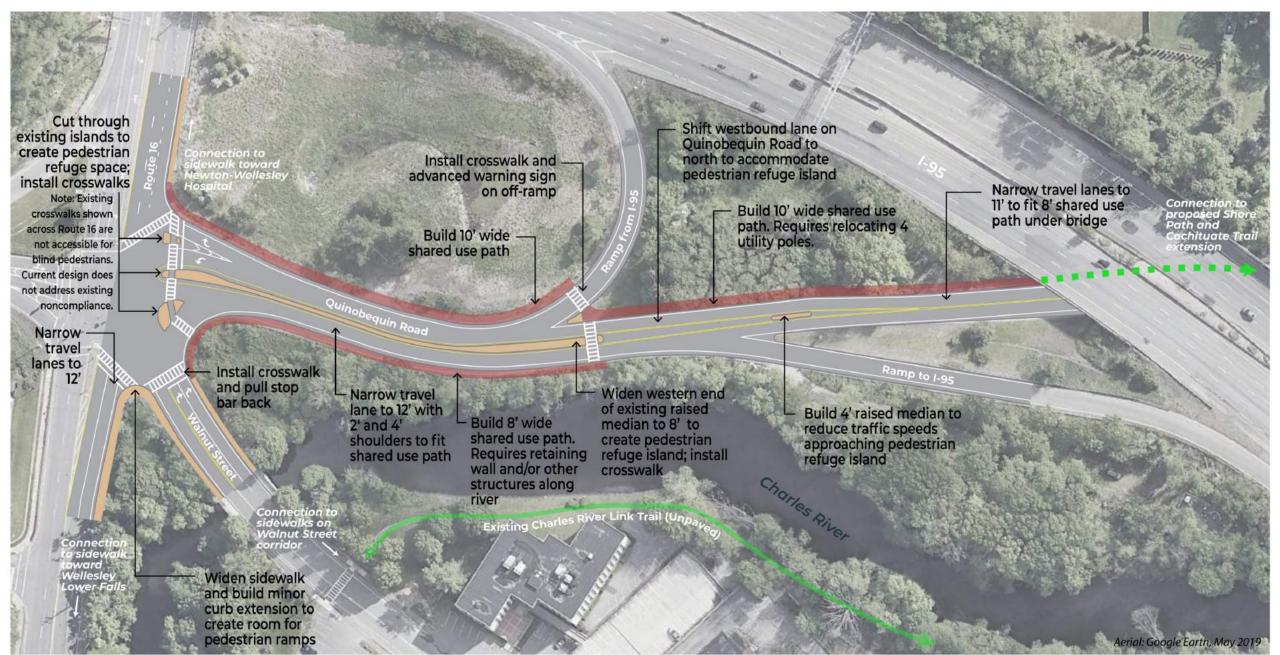
Alternative A: Quinobequin At-Grade Crossing



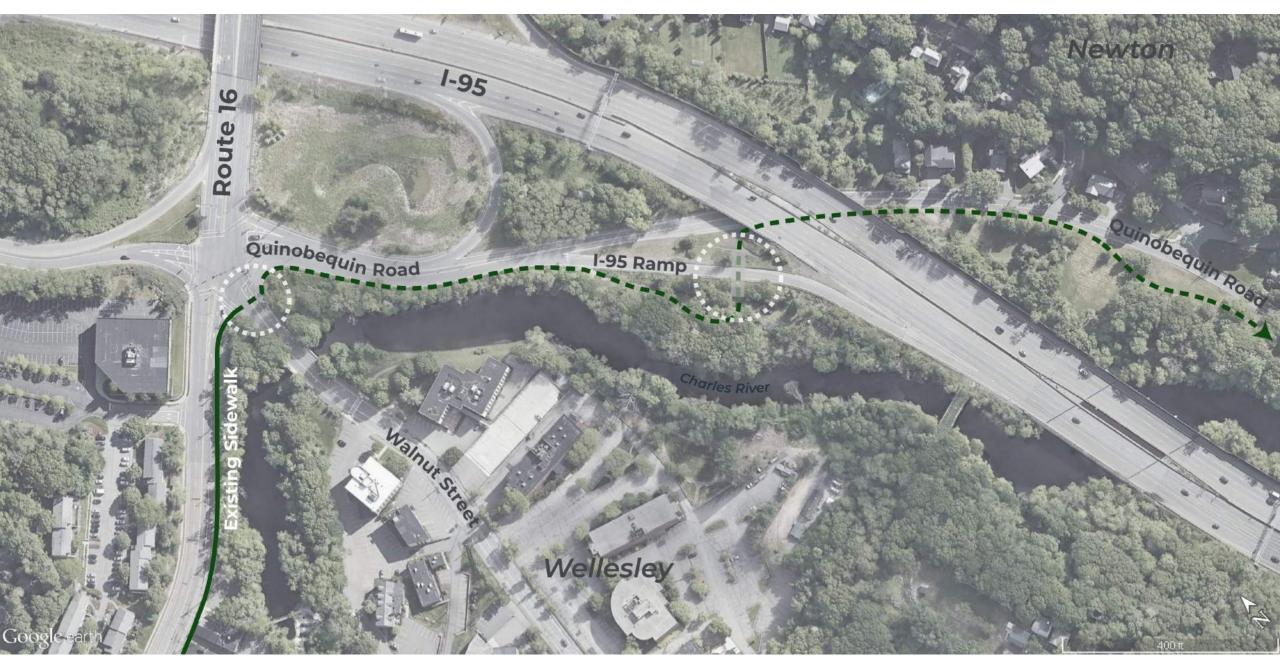
Alternative A: Quinobequin At-Grade Crossing



Alternative A: Quinobequin At-Grade Crossing



Alternative B: I-95 Ramp Underpass



Alternative B: I-95 Ramp Underpass

inobequin Roat

Path may need to be lowered to allow required vertical clearance under ramp

10' path 2' clearance on either side Ramp to I-9

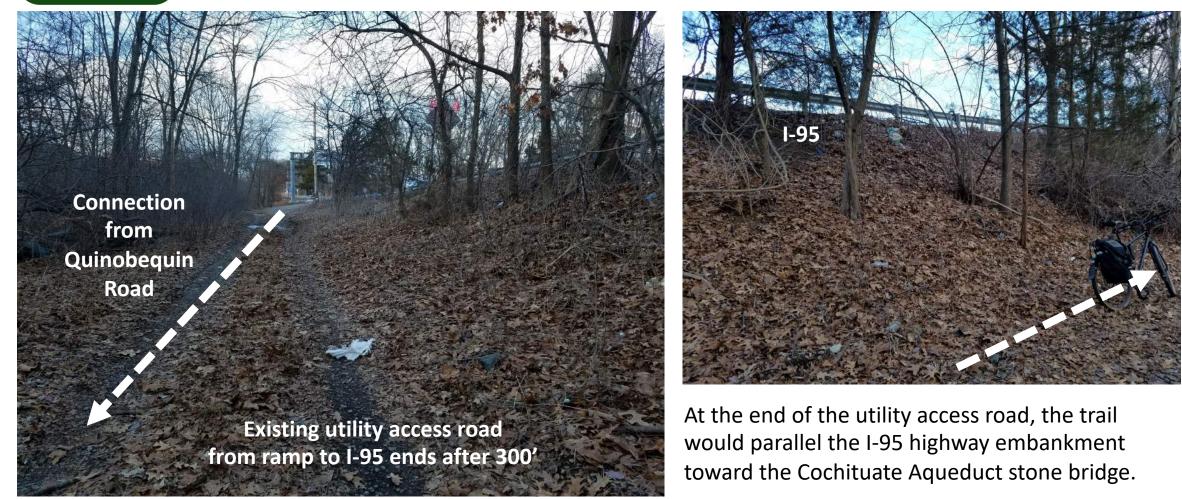
10'

Alternative C: I-95 Underpass Along Charles River



Alternative C: I-95 Underpass Along Charles River

OPTION 1



Alternative C: I-95 Underpass Along Charles River





Trail would continue under the I-95 bridge that passes over the Charles River.

Alternative C: Stone Bridge to I-95 Underpass



Bringing trail under I-95 bridge would require a cantilevered boardwalk. Challenges: vertical clearance, permitting, lighting, comfort

> Example (right): Paul Dudley White Bike Path under the BU Bridge



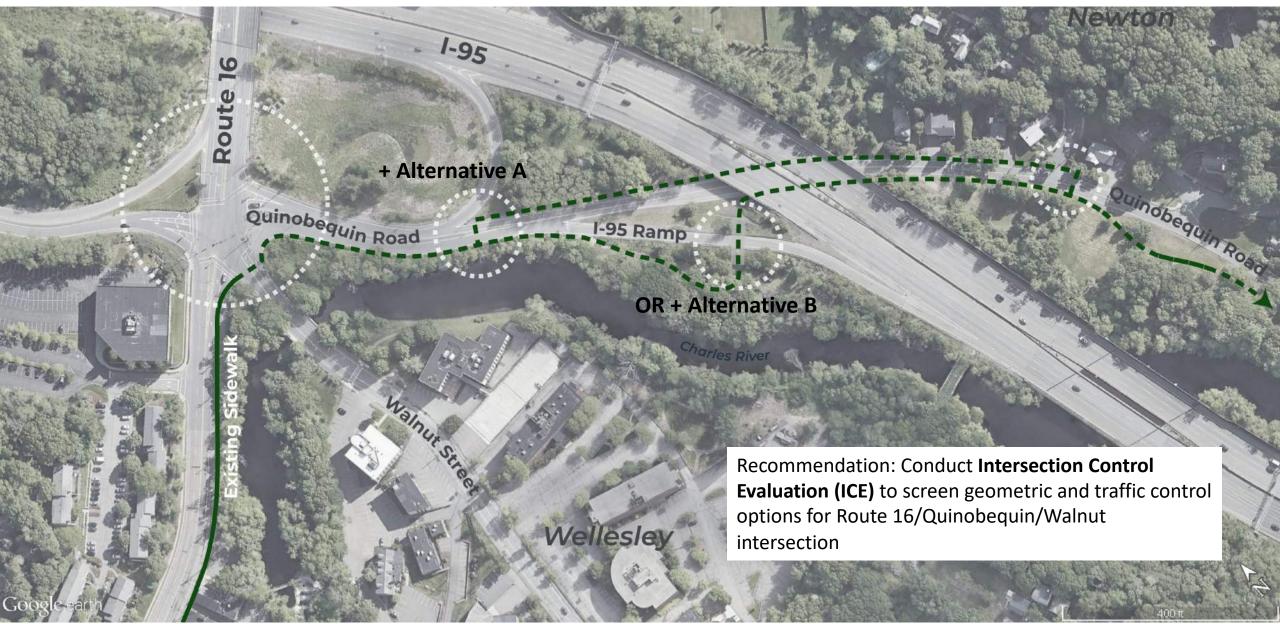
Alternative D: Route 16/Quinobequin Reconstruction

Option 1: Remove I-95 S on- and off-ramps from Quinobequin Road



Alternative D: Route 16/Quinobequin Reconstruction

Option 2: Reconstruct intersection without removing ramps



Alternatives Matrix (Preliminary)

Undesirable 🔶

Desirable

Alignment Option	Safety	Route Navigability	Quality of Experience	Cost	Ease of Permitting	Ease of Construction
Alternative A At-Grade Crossing	ModerateExposure to conflicts with vehicles	 Moderate 90 degree turn for bikes Multiple crossings 	 Moderate Requires seeking gap in traffic to cross 	Low	 Moderate Potential environmental permitting needs along Charles River 	Easy
Alternative B Ramp Underpass	 High Limited exposure to conflicts with vehicles 	 Easy Continuous facility on same side of the road 	 High If lighting provided for security Potential to open access to recreational land along the river 	Moderate	 Moderate Potential environmental permitting needs along Charles River 	Difficult Potential challenge to maintain sufficient vertical clearance, drainage, and ADA- compliant grades
Alternative C I-95 Underpass	 High Limited exposure to conflicts with vehicles 	 Moderate Circuitous connection Unpaved trail connection in Options 2 and 3 deter biking 	 High If lighting provided for security Potential to open access to recreational land along Charles River 	High	Difficult • Potential environmental permitting challenges for construction over Charles River	 Difficult Potential challenge to maintain ADA-compliant grades and sufficient vertical clearance
Alternative D Intersection Reconstruction (<u>Not</u> including ramp removal)	More information needed (High potential if ramps removed)	Easy • Potential to improve ped and bike connectivity throughout intersection area	 High Potential to create more comfortable connection from Route 16 	High	Difficult More complex permitting process 	More information needed