

# PROJECT DATA SHEET

Date: 7/3/10  
Rev: 12/12/14

TIP No.: U-4739	County: Buncombe
Federal-Aid No.: STP-3556(2)	WBS No.: 39741.1.2
NCDOT Division: 13	Scoping Meeting Date: November 29, 2018

## Project Description:

- Length: 2.7 miles
- Termini (US Hwy / SR): from I-240 to NC 31/SR 314 (Biltmore Avenue)
- MPO / RPO: French Broad River Metropolitan Planning Organization (FBRMPO)
- NEPA / 404 Merger Candidate?  Yes  No  Unknown
- General Description of Project (STIP):

Widen SR 3556 (Amboy Road/Meadow Road) to multi-lanes from I-240 to NC 81/SR 3214 (Biltmore Avenue), with a new bridge over the French Broad River, in Asheville.

- General Project Need: Address operational and capacity deficiencies at the intersections along SR 3556 (Amboy Road/Meadow Road) within the project limits and improve bicycle and pedestrian accommodations along the project corridor
- Proposed Typical Section: TBD - several typical sections are being considered including 2-lane median divided, 3 lanes, and 4-lane median divided sections. All typical sections will also include bicycle and pedestrian accommodations such as a sidewalk on one side of the road and a multi-use path on the other side, or sidewalks and bicycle lanes on both sides of the road.
- Proposed Right of Way Width: May vary between 100-150 feet depending on the proposed typical section selected and the type of bicycle and pedestrian accommodations to be incorporated.

## Design Data (Existing Conditions):

- Functional Classification: Minor Arterial
- Strategic Transportation Corridor: No
- CTP Designation (Facility Type): Boulevard Needs Improvement/Other Major Thoroughfare Needs Improvement (*FBRMPO 2040 Metropolitan Transportation Plan*)
- Type of Access Control: None
- Typical Section: 2-lane undivided with grass shoulders along Amboy Road; 2 lanes undivided with 2-foot paved shoulders along Meadow Road from the Amboy Road/Lyman Street intersection to west of the bridge over NS Railroad where it transitions to a 3-lane curb and gutter section to east of the Victoria Street intersection. Transitions back to 2-lane undivided shoulder section to project eastern terminus at NC 81/SR 3214 (Biltmore Avenue).
- Right of Way: varies
- Posted Speed: 45 mph Amboy Road; 35 mph Meadow Road

Structure Inventory (bridges, RCBC, Walls, etc):

<u>Bridge No. 521</u> on Amboy Road over the French Broad River, year built 1951, 50.48 sufficiency rating, functionally obsolete
<u>Bridge No. 672</u> on Meadow Road over Southern Railroad, year built 1992, 88.84 sufficiency rating, not deficient.
A single barrel 18.2' x 5.5' reinforced concrete box culvert (RCBC) conveys Moore Branch under Amboy Road at the intersection with State Street
30" corrugated metal pipe (CMP) approximately 300' west of the intersection of Meadow Road and Short McDowell Street (closed system)
42" corrugated plastic pipe (CPP) with a headwall at the intersection of Meadow Road and Huntsman Place near the western terminus of the project (closed system)

- Other TIP Projects in the Area

<u>STIP Projects U-6046</u> and <u>U-5832</u> , combined, propose upgrades to Swannanoa River Road (NC 81) from Biltmore Road to Tunnel Road (US 70). Early planning indicates the typical section may include two lanes with curb and gutter, sidewalks and a cycle track, a separated or protected exclusive bicycle lane. ROW is scheduled to begin in 2020 for and construction is scheduled to begin in 2022 for STIP U-5832. ROW is scheduled to begin in 2023 and construction is scheduled to begin in 2025 for STIP U-6046. Because the western project terminus overlaps with the eastern project terminus for this project, continued coordination between the projects will need to continue.
<u>STIP Project U-5019</u> will construct an interconnected network of pedestrian, bicycle, roadway and streetscape improvements in southwest Asheville including RADTIP Improvements. The project includes Clingman Forest and Town Branch Greenways, the French Broad River West Greenway on the west bank of the French Broad River, Wilma Dikeman Riverway, Five Points Roundabout, Livingston Street Complete Street improvements, and Craven Street Bridge improvements. Construction has begun and will continue through 2022. The southern terminus for the improvements along Lyman Street intersects STIP U-4739 at the Amboy Road intersection with Meadow Road.
<u>STIP Project I-2513</u> , the proposed I-26 Connector project, would construct approximately 7 miles of freeway that would connect I-26 in southwest Asheville to U.S. 19/23/70 in northwest Asheville. Section A of the project includes modifications to the I-26 ramp terminals on Amboy Road. ROW is scheduled to begin in 2020 for Sections B and C of the project. Section A is not yet scheduled for ROW acquisition.

- Railroad Involvement:

The NS class I freight railroad has a strong presence within the Meadow Road section of the project. A rail yard follows along the river bend near the confluence of the Swannanoa and French Broad Rivers. The project crosses the railroad in one location, where Meadow Road crosses over a six-track section of the yard on a three-lane bridge with sidewalks.
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Long Range Plan History:

Traffic Data (AADT):

Current Year (No-Build)	2018	11,600 (Amboy Rd east of I-240)	18,400 (Meadow Rd west of Victoria Rd)	11,400 (Meadow Rd west of US 25 Biltmore Avenue)
Design Year (No-Build)	2040	13,800 (Amboy Rd east of I-240)	21,900 (Meadow Rd west of Victoria Rd)	14,400 (Meadow Rd west of US 25 Biltmore Avenue)
Design Year (Build)	2040	14,600 (Amboy Rd east of I-240)	22,800 (Meadow Rd west of Victoria Rd)	15,200 (Meadow Rd west of US 25 Biltmore Avenue)
Source of Traffic Data:		NCDOT U-4739 Traffic Forecast (July 10,2018)		

Cost Estimates (2018-2027 STIP):

	Construction	Right-of-Way	Utilities	Total
STIP Estimate	\$34,500,000	\$13,200,000	\$1,600,000	\$49,300,000
Current Estimate (20XX)				

Project Schedule:

Environmental Document – Type III CE	December 2019
Right-of-Way	2022
Let	2025

Initial/Additional Scoping Comments:

Air Quality Status – Attainment
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See Preliminary Study Area Resource Inventory Table and Figures attached for Merger Screening information.

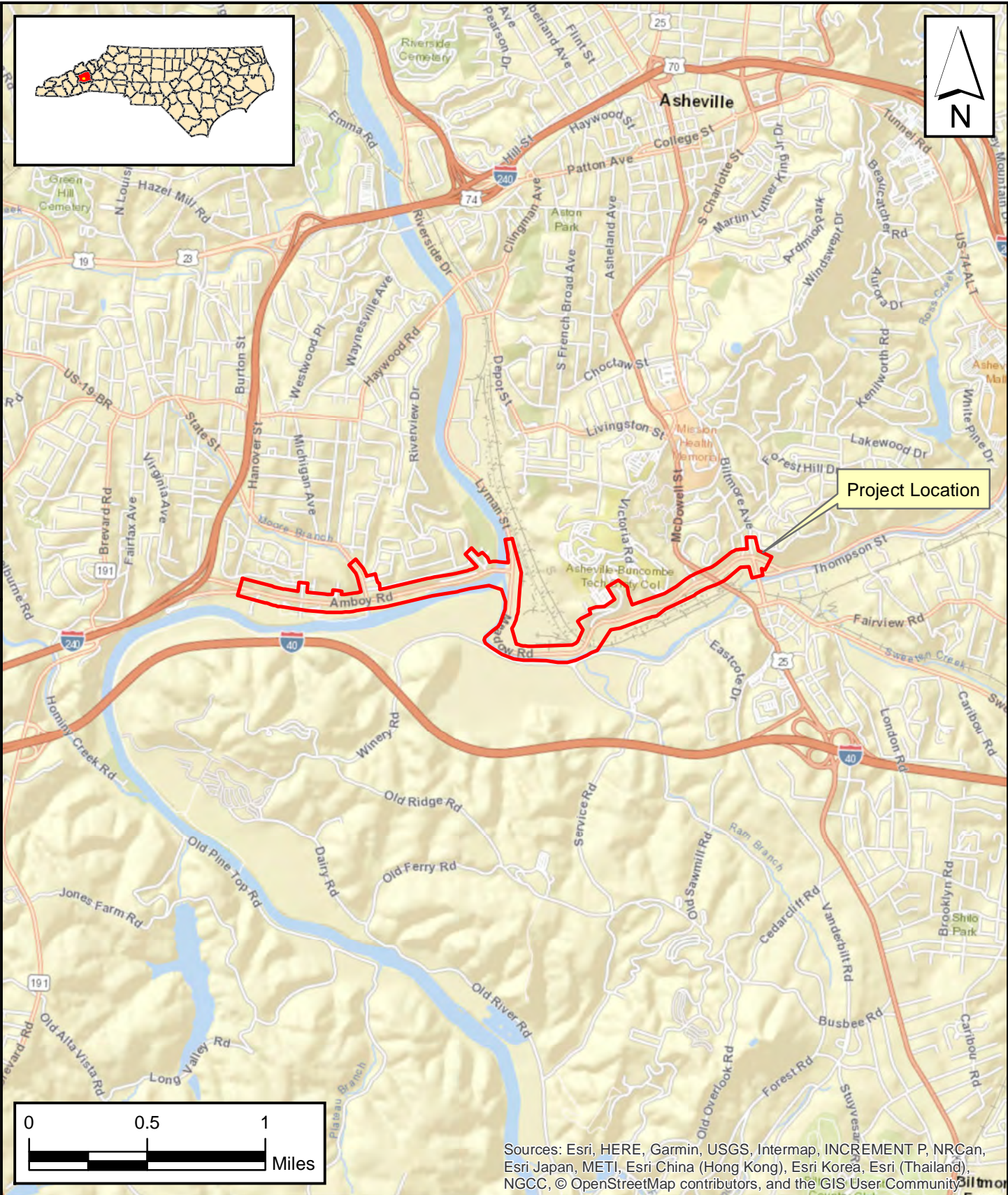
**Preliminary Study Area Resources Inventory Table**  
**(Use with Figures 2, 3, and 4)**

<b>Resource/Affected Environment &amp; Measure</b>	<b>Applicability/ Resources in Study Area</b>
<b>General Project Information</b>	
Length of project (approximate in miles)	2.7 miles
Crossing or Intersecting (#) <i>Intersections (major) include:</i> 1. Amboy Road and State Street 2. Amboy Road, Meadow Road, and Lyman Street 3. Meadow Road and Victoria Road 4. Meadow Road over NS Railroad 5. Meadow Road and Biltmore Avenue (NC 81/SR 3214)	4 – Intersections (signalized)  1 – railroad crossing (grade-separated)
<b>Cultural Resources</b>	
NRHP (and eligible sites, districts, other properties) (#) <ul style="list-style-type: none"> <li>• NRHP Determined Eligible (2012) Southern Railway Roundhouse; HPO Site ID BN0676; located southeast of Amboy Road/Meadow Rd./Lyman St. intersection</li> <li>• NRHP Determined Eligible (1992) Southern Railway Freights Depot; HPO Site BN2310; located south of Meadow Road and Short McDowell Road Intersections</li> <li>• Both NRHP Determined Eligible and Study Listed (1992) McDowell Street Viaduct; HPO Site BN0929, crosses over Meadow Street near eastern project terminus</li> <li>• Surveyed Only sites:               <ul style="list-style-type: none"> <li>○ Bridge over French Broad River (HPO Site BN5940)</li> <li>○ Bridge over NS Railroad (HPO Site BN5526)– surveyed only</li> <li>○ Blue Ridge Grocery (HPO Site BN5572) on NW quadrant of Meadow Rd and Biltmore Ave. intersection</li> <li>○ Commercial Building (HPO Site BN5573) on NW quadrant of Meadow Rd and Biltmore Ave. intersection</li> <li>○ Smile Gas Station (HPO Site BN0665) on NE quadrant of Meadow Rd and Biltmore Ave. intersection</li> </ul> </li> </ul> Source: <a href="http://gjs.ncdcr.gov/hpoweb/">http://gjs.ncdcr.gov/hpoweb/</a> <b>Surveys are required and being conducted for both archaeological and historic architectural resources</b>	2 – Known Determined Eligible sites 1 – Known NHPR Determined Eligible and State Study listed site  5 – Surveyed Only sites
<b>Human Environment</b>	
Community Resources (#) 1. Pisgah View Apartments Community Center north of Amboy Road 2. West Asheville House of Prayer north of Amboy Road 3. Stone Creek Health and Rehabilitation Center north of Meadow Road on Victoria Road 4. A portion of AB Tech Campus located north of Meadow Road on Victoria Road	4 – Community Resources  1 – Community Center  1 - Church  1 – Health/Rehabilitation Center  1-School

Public Parks/Section 4(f) Properties (#) <ul style="list-style-type: none"> <li>French Broad River Park</li> <li>Amboy Riverfront Park</li> <li>Carrier Park</li> <li>Future Karen Cragolin Park (former USEPA designated brownfield site)</li> </ul>	3 Existing Parks 1 Future Park
Greenways, Game Lands, Land and Water Conservation Fund Properties, etc. (#) <ul style="list-style-type: none"> <li>French Broad River Greenway</li> <li>Future Swannanoa River Greenway</li> <li>French Broad River Park - Section 6(f) LWCF used to develop park</li> </ul>	1 Existing Greenway 1 Future Greenway 1 LWCF property 0 - Gamelands
Residential Properties (# potentially affected)	TBD
Business Properties (# potentially affected)	TBD
High % Special Populations (Low-income, Minority)	Yes – Minority and/or Low-Income
<b>Natural Environment</b>	
Streams (# of stream crossings) 1. French Broad River 2. Moore Branch 3. Swannanoa River 4. UT to Moore Branch 5. UT to French Broad River	6 potential jurisdictional stream crossings 7,885 linear feet within project study area
Wetlands (est. acres)	8 potential jurisdictional wetlands 0.59 acres total delineated area within project study area
Critical Water Supply Watersheds	None
Riparian Buffer Rules apply	None
Identified Critical Habitat/ESA Spp. (# known) <ul style="list-style-type: none"> <li>Known Critical Habitat – Biological Conclusion (BC) Unresolved: <ul style="list-style-type: none"> <li>Gray bat</li> <li>Northern long-eared bat</li> <li>Appalachian Elktoe</li> </ul> </li> <li>Known Critical Habitat – BC No Effect <ul style="list-style-type: none"> <li>Virginia spiraea</li> </ul> </li> <li>Undetermined Critical Habitat – BC Unresolved <ul style="list-style-type: none"> <li>Spotfin chub</li> <li>Tan riffleshell</li> </ul> </li> </ul> <i>Source – NRTR November 2018</i>	4 – Known Critical Habitat 2 - Undetermined
<b>Physical Environment</b>	
Hazardous Materials (# suspected/known sites)	20 potential sites
Utilities	Possible gas, fiber optic, electric, water, storm water, cable, and phone.
Active agriculture (Voluntary Agricultural District)	No VADs or EVADs in study area
Noise	Impacts TBD - Noise sensitive receptors in study area

NOTES: Refer to the Environmental Features Map (**Figure 2**), the Community Context Map (**Figure 3**), and the USGS Map (**Figure 4**).





Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community



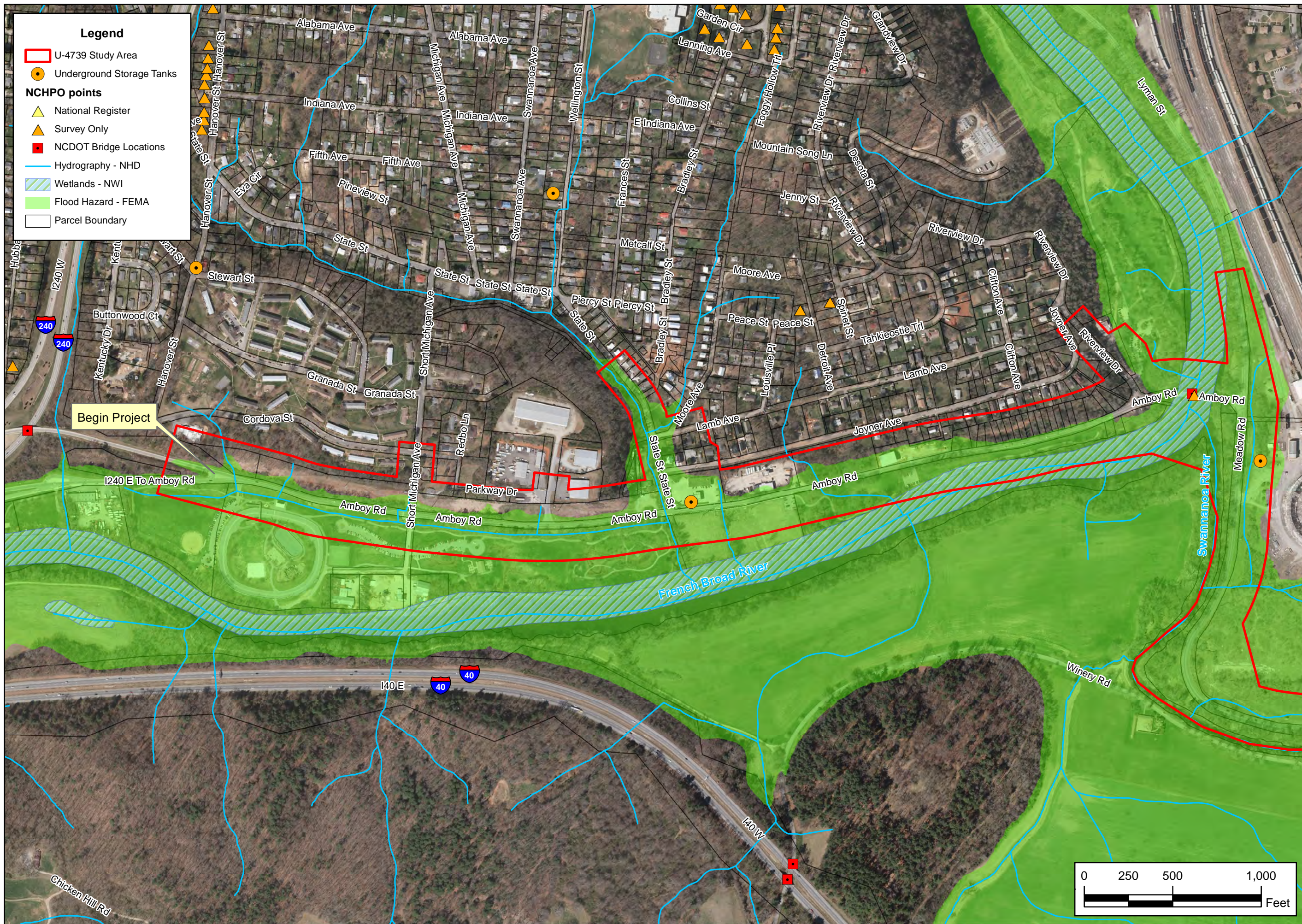
**NORTH CAROLINA  
DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

**VICINITY MAP  
WIDEN SR 3556 (AMBOY RD / MEADOW RD)  
TO MULTI-LANES FROM I-240 TO  
NC 81 / SR 3214 (BILTMORE AVE)  
WITH NEW BRIDGE OVER THE  
FRENCH BROAD RIVER  
BUNCOMBE COUNTY, NORTH CAROLINA**

County:	BUNCOMBE
Div:	13 STIP# U-4739
WBS:	39741.1.2
Date:	JUNE 2018

**Figure  
1**





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ENVIRONMENTAL FEATURES MAP  
WIDEN SR 3556 (AMBOY RD / MEADOW RD)  
TO MULTI-LANES FROM I-240 TO  
NC 81 / SR 3214 (BILTMORE AVE)  
WITH NEW BRIDGE OVER THE  
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BUNCOMBE COUNTY  
WBS NO. 39741.1.2



By:  
C ROWELLS

County:  
BUNCOMBE

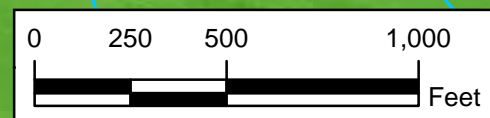
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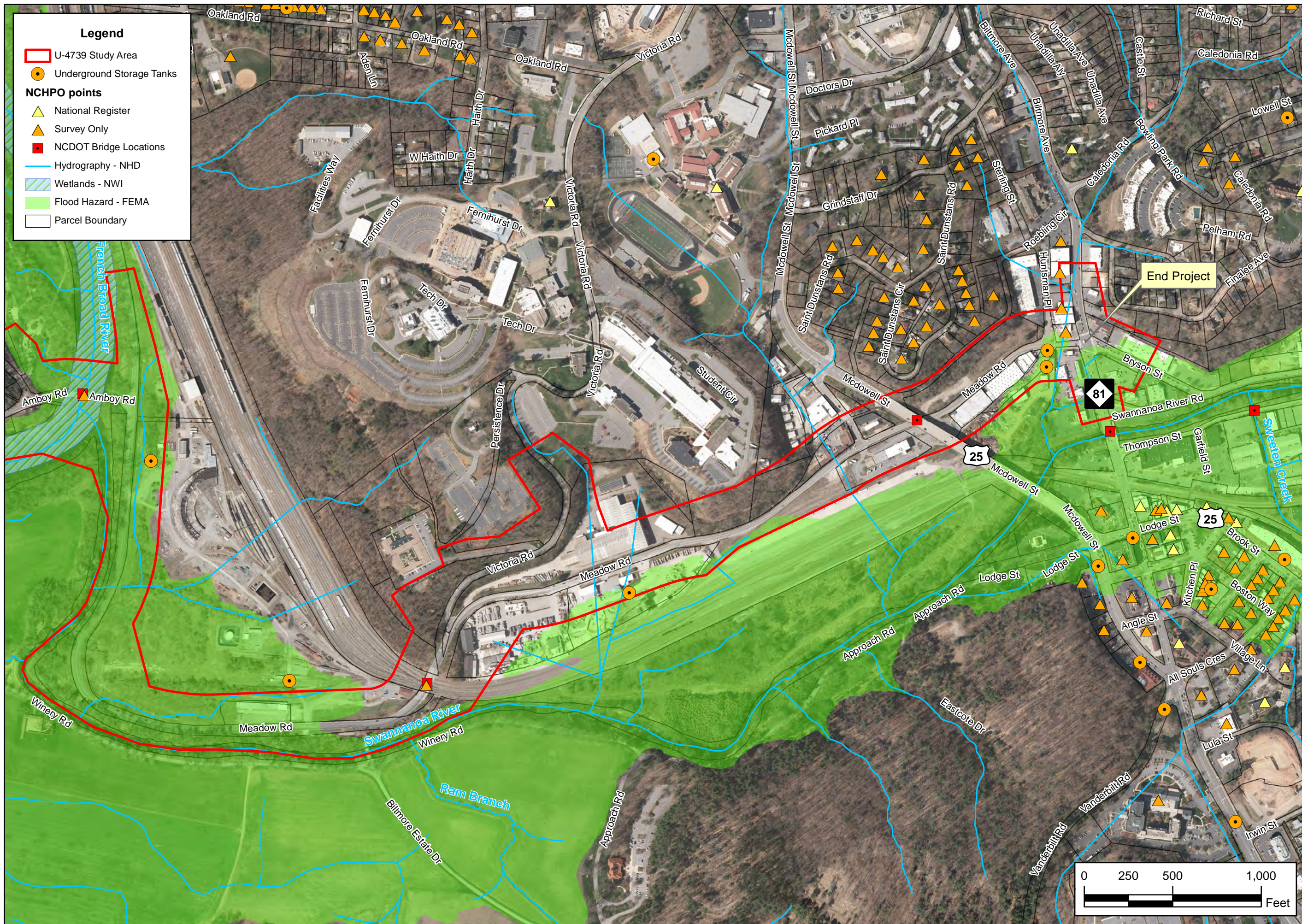
Figure

**2**

Sheet 1 of 2







**Legend**

- U-4739 Study Area
- Underground Storage Tanks
- NCHPO points**
- ▲ National Register
- ▲ Survey Only
- NCDOT Bridge Locations
- Hydrography - NHD
- Wetlands - NWI
- Flood Hazard - FEMA
- Parcel Boundary



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**ENVIRONMENTAL FEATURES MAP**  
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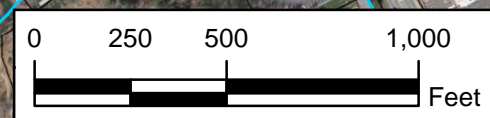
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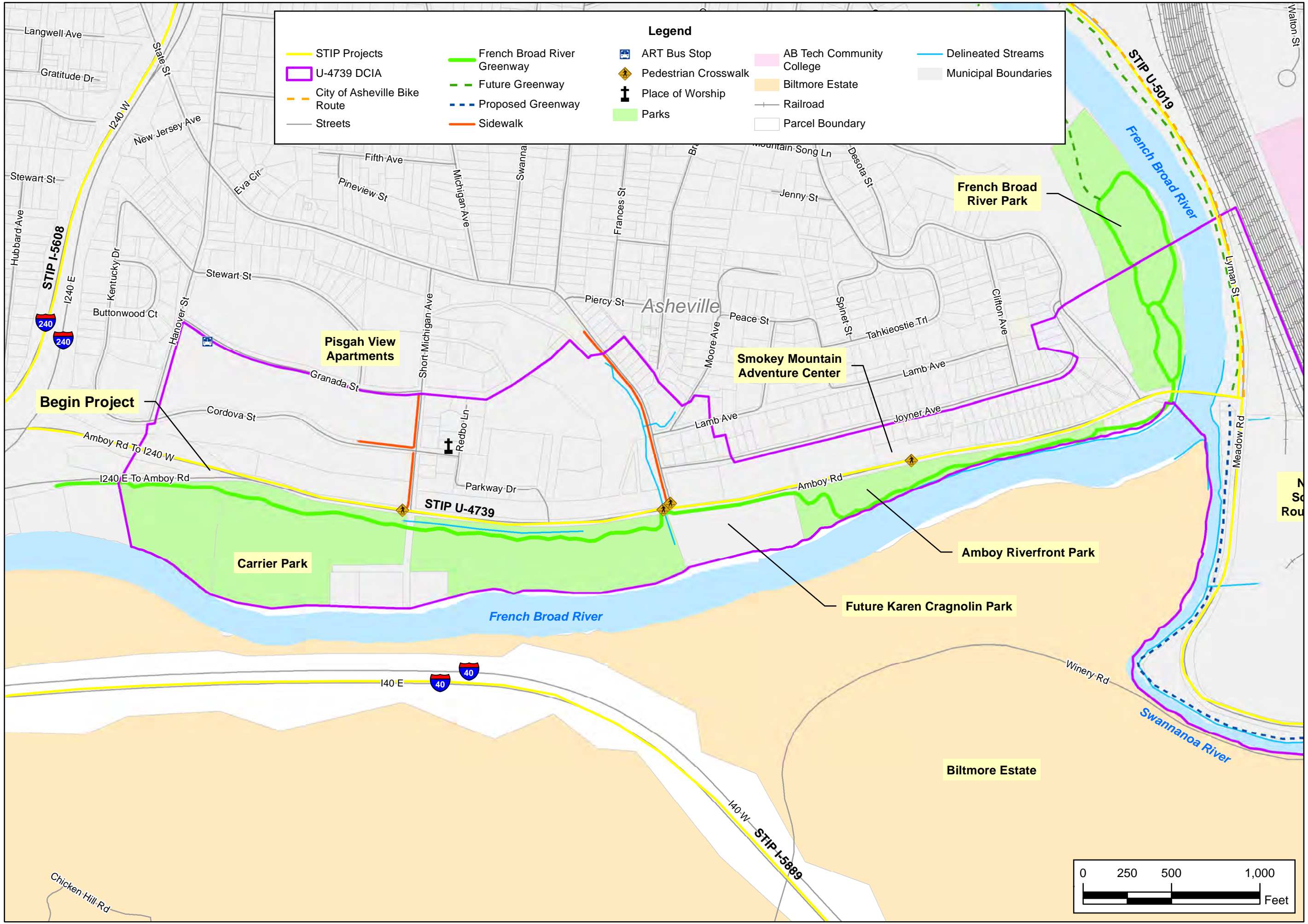
**Figure**

**2**

Sheet 2 of 2







**Legend**

STIP Projects	French Broad River Greenway	ART Bus Stop	AB Tech Community College	Delineated Streams
U-4739 DCIA	Future Greenway	Pedestrian Crosswalk	Biltmore Estate	Municipal Boundaries
City of Asheville Bike Route	Proposed Greenway	Place of Worship	Railroad	
Streets	Sidewalk	Parks	Parcel Boundary	



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COMMUNITY CONTEXT MAP  
WIDEN SR 3556 (AMBOY RD / MEADOW RD)  
TO MULTILANES FROM I-240 TO  
NC 81 / SR 3214 (BILTMORE AVE)  
WITH NEW BRIDGE OVER THE  
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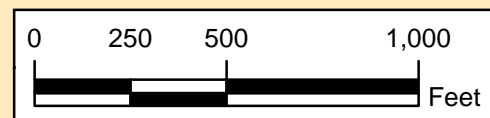
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OCTOBER 2018

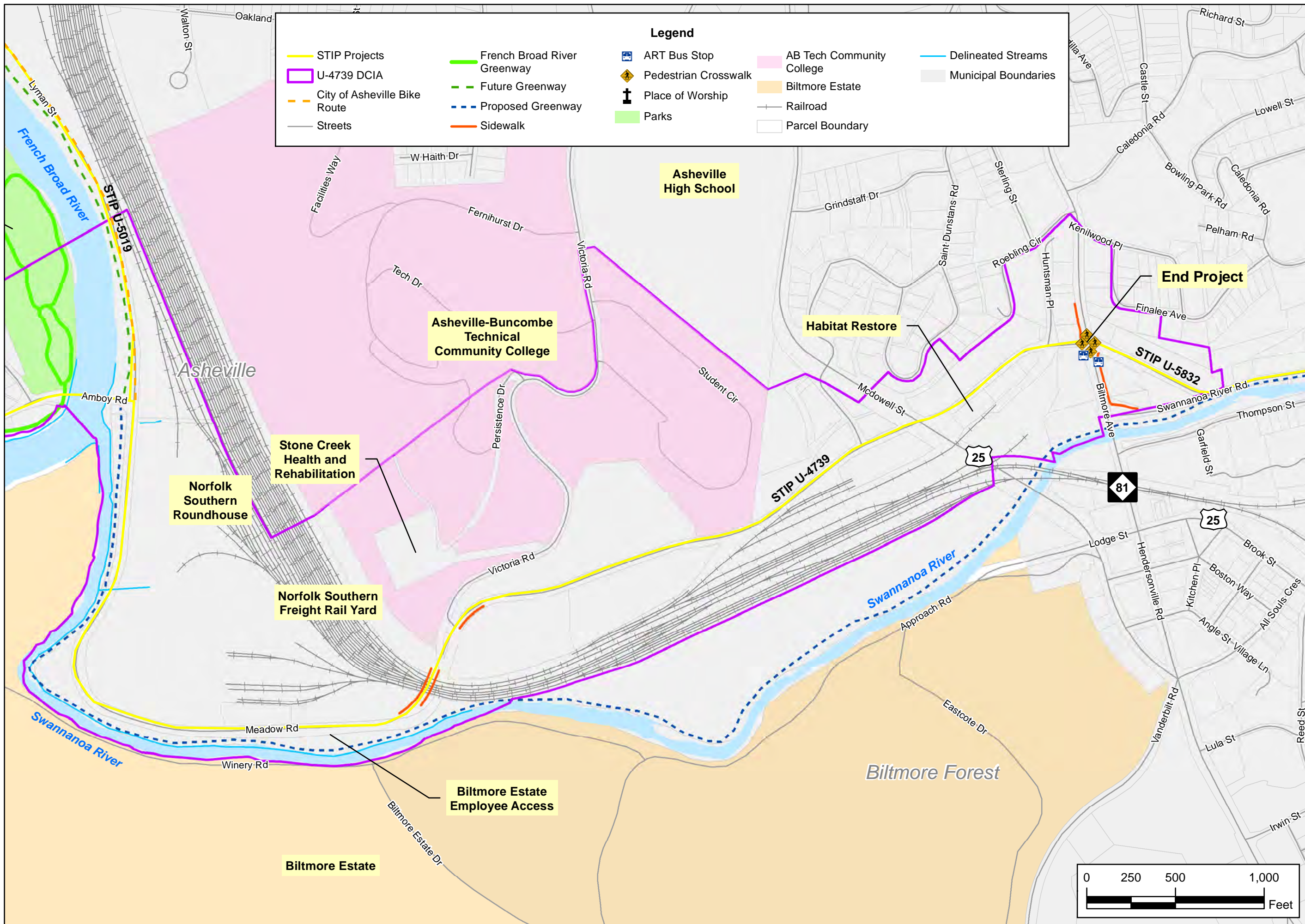
Figure

**3**

Sheet 1 of 2







NORTH CAROLINA  
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COMMUNITY CONTEXT MAP  
WIDEN SR 3556 (AMBOY RD / MEADOW RD)  
TO MULTI-LANES FROM I-240 TO  
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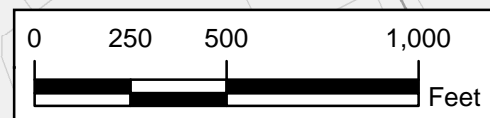
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Date:  
OCTOBER 2018

Figure


**3**

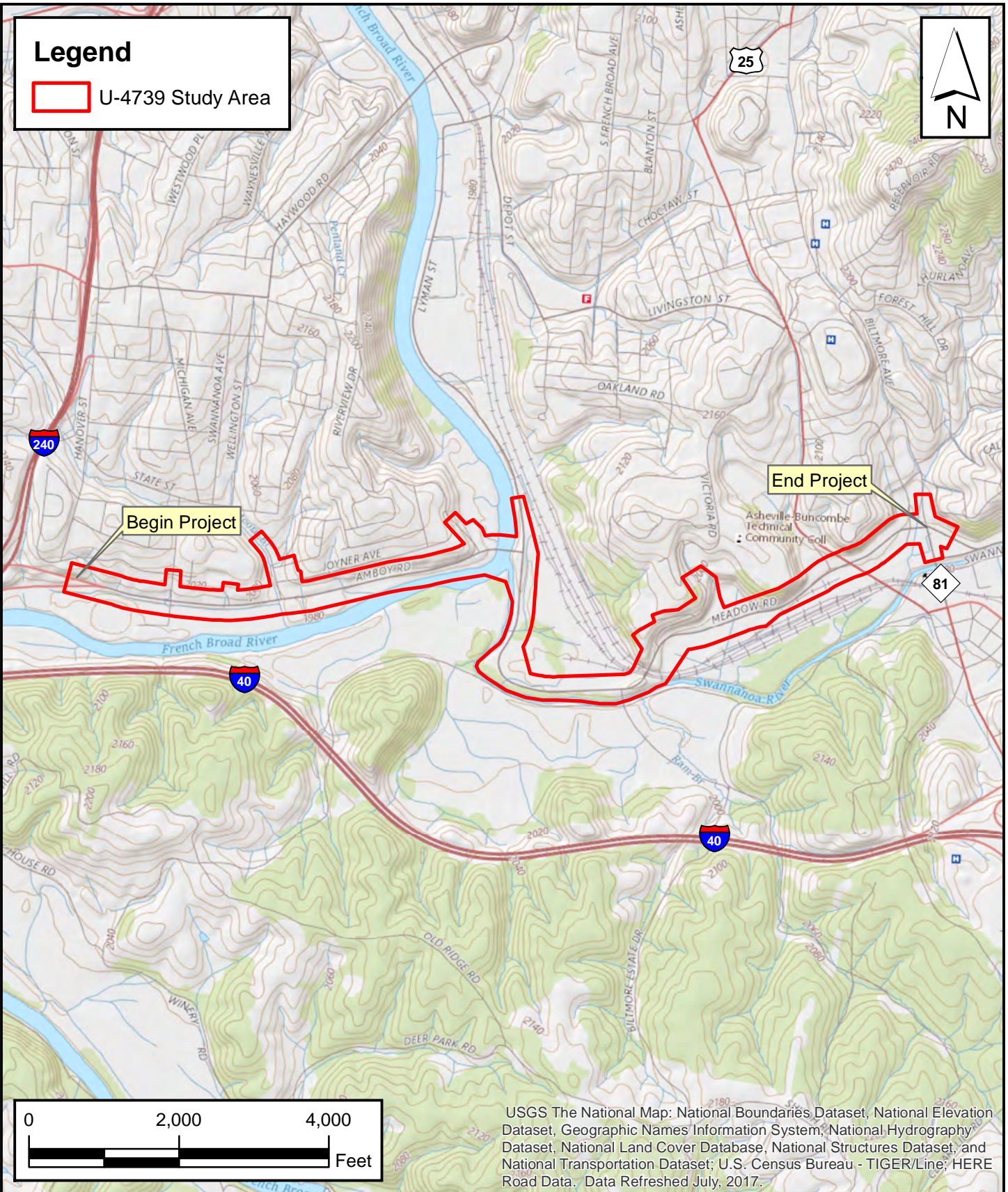
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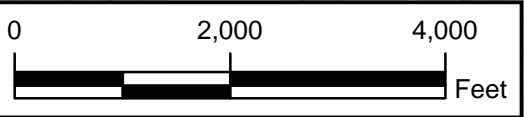
# Legend

 U-4739 Study Area



End Project

Begin Project



USGS The National Map: National Boundaries Dataset, National Elevation Dataset, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; U.S. Census Bureau - TIGER/Line; HERE Road Data. Data Refreshed July, 2017.



**NORTH CAROLINA  
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**USGS TOPOGRAPHIC MAP  
WIDEN SR 3556 (AMBOY RD / MEADOW RD)  
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**Figure  
4**