

Buncombe County

Barnardsville Flood Project

May 2024



Objectives and Requests

Objectives

- Review of project background
- Update on the funding sources
- Status of Barnardsville Flood project phases
- Overview of the documents in packet

Requested Actions

- Motion to Approve Budget Amendment for Barnardsville Bridge Replacement Grant
- Motion to Approve Agreement with DOT for passthrough funding to build Barnardsville Bridge
- Motion to Adopt Resolution to receive ARPA funding



Map – Stream Migration

2010



2023



Impacted Area



Funding Sources

Grant Source	Purpose of Funds	Amount	Status
State Appropriation of ARPA funds	Stream restoration	\$2,750,000	Budget Amendment Approved on Oct. 17th, 2023
Land and Water Fund grant for right of way acquisition	Purchase impacted properties	\$1,008,500 (\$150,000 for 2 properties in Candler)	Budget Amendment Approved on Oct. 17th, 2023
Department of Public Safety Grant	Construction of the new bridge	\$2,831,000	Budget Amendment needed, requesting today 5/7/24



Current Project Status

- Right of Way Acquisition and Site Prep – in process
- Stream Restoration – in process
 - Engineer hired
 - Stream restoration design is underway and will be amended should any changes to the new bridge alignment occur
 - Permitting process in progress
 - **ARPA funds:** require Resolution, in packet today
- Bridge Construction – design in process
 - DOT will partner
 - **DPS funds:** requires Budget Amendment and Agreement with DOT, in packet today



Documents in Packet

1. **Budget Amendment – DPS Grant for Barnardsville Bridge:** Amend budget to include funds from NC Department of Public Safety
2. **DOT Agreement – Passthrough of funds for construction of the Bridge:** Approve agreement with NC Department of Transportation to passthrough DPS grant funds for the construction of Barnardsville Bridge
3. **Resolution to Receive Funding – ARPA Grant:** Required by NC Department of Environmental Quality in order to receive ARPA grant funds for the stream restoration



Next Steps

- **Process**

- RFQ for Design/Engineering for Stream Restoration: complete
- Contract with Design/Engineering Firm Restoration: complete
- Securing right of way: in process



Requested Actions

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Appendix



Project Overview

- The project is located in Barnardsville near the intersection of NC HWY 197 and Paint Fork Road as well as the nearby intersection of Dillingham Creek, Ivy Creek, and the North Forks of Ivy Creek.
- Due to proximity to these waterways, Barnardsville has long been subject to flooding events and was severely impacted by Tropical Storm Fred in 2021.
- Over time, the infrastructure (mainly the bridge and culvert) have aged and is deteriorating.
- The area includes the U.S. Post Office, Barnardsville Elementary School, Ohio Electric Motors, Inc., and the frequent flooding impacts education, economic development and resident well-being. Overtime the creek bed has moved as depicted below.



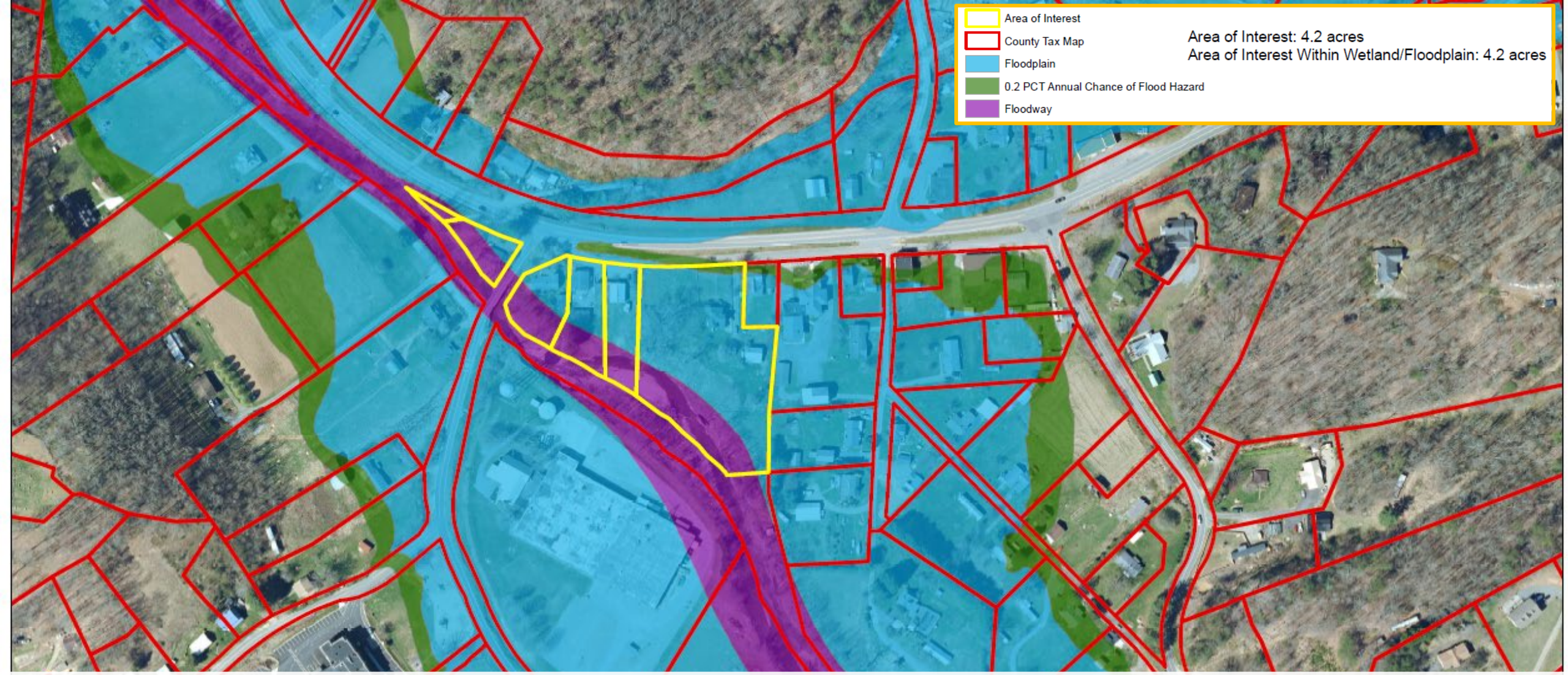
DOT Agreement

- **Scope:** Barnardsville Bridge Construction Project costs \$3,400,000 total. The DPS grant will contribute \$2,831,000. Per the Agreement, DOT will contribute the remaining amount.
- **Funding:** The DPS Grant will passthrough Buncombe County to DOT
- **Notes:**
 - Preliminary engineering has started
 - DPS funds will be disbursed quarterly
 - Reporting is due to DPS quarterly. DOT will supply the report for the County to submit.



Area of Interest: 4.2 acres
Area of Interest Within Wetland/Floodplain: 4.2 acres

- Area of Interest
- County Tax Map
- Floodplain
- 0.2 PCT Annual Chance of Flood Hazard
- Floodway



Property Map



Property Map

