Burnsville Bicycle and Pedestrian Project Acceleration Plan

Kick-off Meeting

Presented by
VHB Engineering NC, P.C.

February 2022

Image: https://www.ncblueridge.com/event/burnsville-metric-3

Today's Agenda

- Introduction
- Project management
  - Point of contact
  - Monthly check-in meetings
  - Steering Committee members
- Schedule and key tasks overview
- Data needs
- Potential meeting locations, logistics
- Potential challenges or obstacles
- Next Steps and Other items

Image: https://www.ourstate.com/a-guide-to-downtown-burnsville/

Introductions

- Name
- Office/Department/Agency
- **“My goal/vision for the plan is…”**
- **“This plan will be successful because …”**

Project Management

- Points of Contact
  - VHB: Lyuba Zuyeva
  - Town of Burnsville: Heather Hockaday
  - High Country RPO: David Graham
  - NCDOT: Alexius Farris
- Monthly update calls – **preferred day and window?**
- Steering Committee –
  - Late February-early March
  - Also looking for field site visit dates
  - NCDOT Div. 13 contact? (Hannah Cook?)
  - **Steering Committee members?** Yancey County point of contact? Blue Ridge Bicycle Club?

- VHB to submit updated Project Work Plan to the Town of Burnsville and NCDOT. Same scope, small updates to schedule

Project Schedule

Existing Conditions

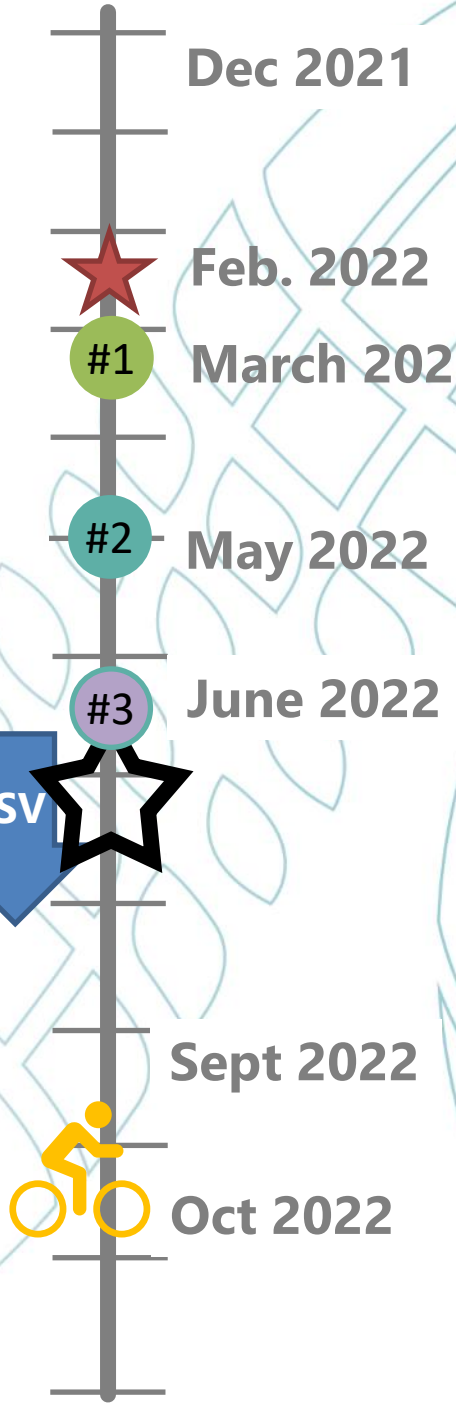
- Kick-off meeting
- Existing conditions
- Steering Committee meetings #1
- Project inventory with opportunities and challenges

Project Prioritization

- Steering Committee meeting #2
- Cost estimates and scoring projects
- Draft Prioritized Projects List

Implementation Plan Development

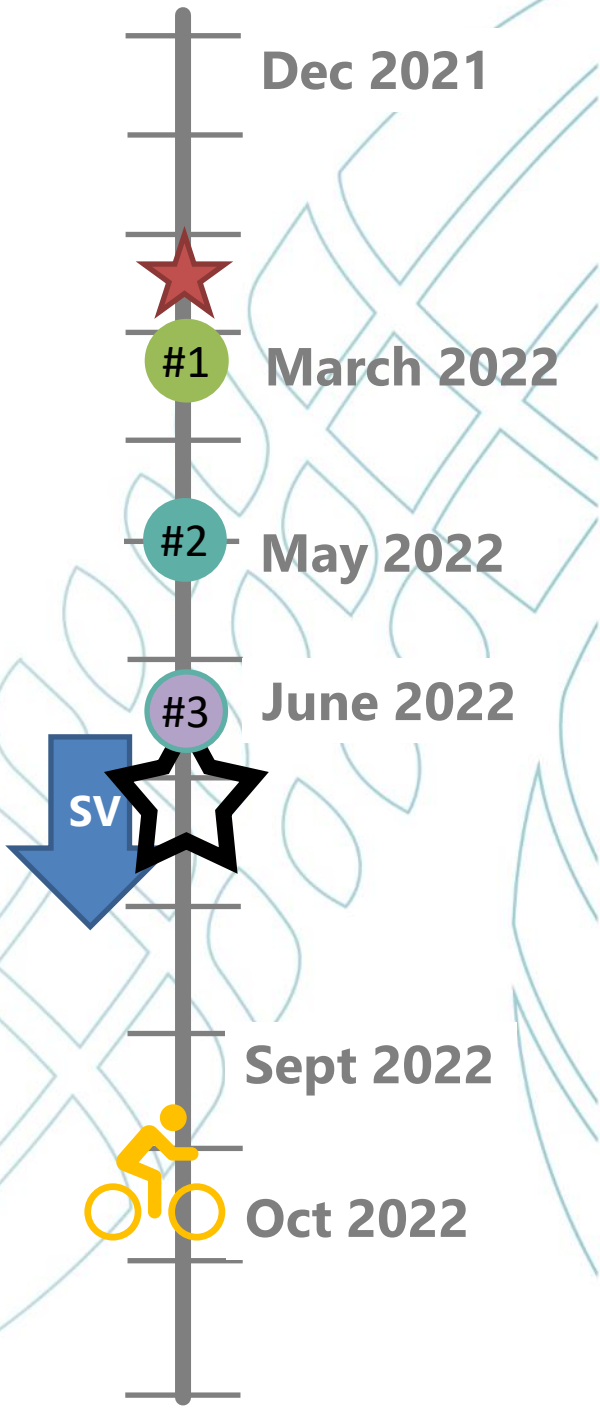
- Steering Committee meeting #3
- Public engagement event, survey
- Draft Plan
- Final Plan



Project Schedule

- **Three Steering Committee Meetings**
  - Early March, April-May and June 2022

- **One Public Workshop** - Star
  - Late June-early July 2022
  - In-person pop up format preferred
  - One public survey



Schedule and Key Tasks Overview

Image: https://www.highcountrync.com/play/bike/

Task 1: Existing Conditions

- Task 1.1: Project Work Plan/Data Request
- Task 1.2: Existing Plans, Projects, Programs, and Policies
- Task 1.3: Existing Conditions Assessment
  - Including a field site visit
- Task 1.4: Steering Committee Meeting #1
- Task 1.5: Project Inventory and Assessment of Project Opportunities and Challenges

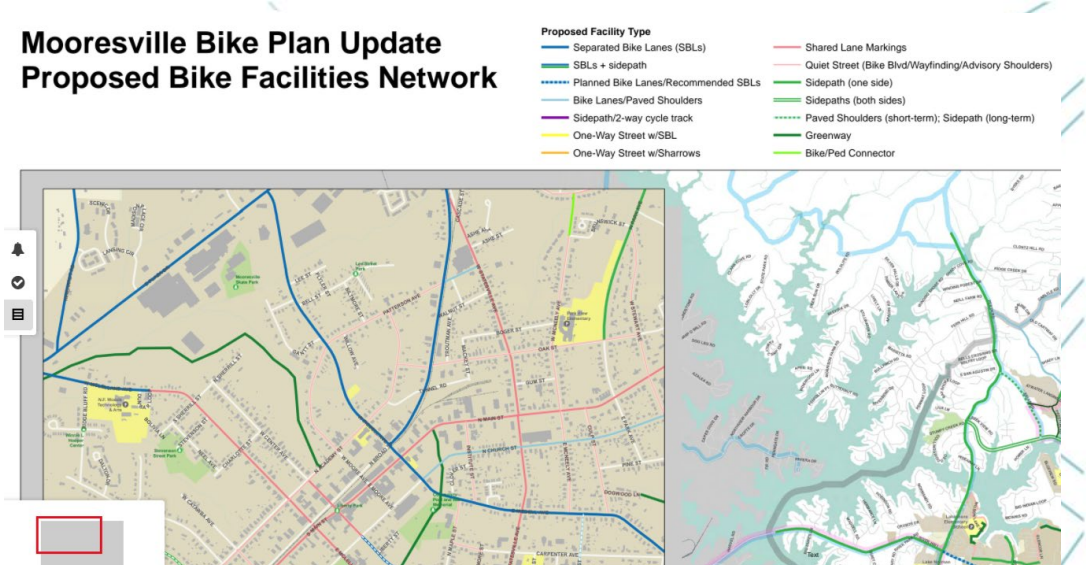
Top Image Source: Town of Duck, NC, Pedestrian Plan (2014)
Bottom Image: Conover Bike Lane Field Site Visit

Task 1 Existing Conditions-Data Review

- **Data**
  - US Census Bureau, Town of Burnsville, NCDOT, High Country RPO,
  - Field Visit
- **Plans**
  - Burnsville Pedestrian Plan 2008 (implementation status)
  - Burnsville Comprehensive Plan
  - High Country RPO Regional Bike Plan
  - CTP (Yancey County recommendations)
  - NCDOT STIP Projects
- **Other Resources?**
  - Recent traffic counts that might have included bike ped counts?
  - Upcoming roadway projects and greenway links as part of development?

Task 2 Project Prioritization

- Task 2.1: Steering Committee Meeting #2
- Task 2.2: Updating Cost Estimates for Projects
- Task 2.3: Scoring Proposed Bicycle and Pedestrian Projects
- Task 2.4: Draft Prioritized Projects List for Implementation



Metric	Point Value
Connections to Key Activity Centers and Destinations*	
11 or more	20
6 – 10	10
1 – 5	5
Connections to Existing Bicycle and Pedestrian Facilities	
Connects to multiple existing and/or planned bicycle or pedestrian facilities	20
Connects to an existing bicycle or pedestrian facility	10
Connects to a planned bicycle or pedestrian facility	5
Bicycle and Pedestrian Safety	
4+ bike/ped crashes or roadway 50%+ above statewide crash rate average	20
1 – 3 bike/ped crashes or roadway 20 – 50% above statewide crash rate average	10
No bike/ped crashes or roadway 0 – 20% above statewide crash rate average	5

Top image source: ConceptBoard for Mooresville Bike Plan Draft Recommendations (Alta) https://app.conceptboard.com/board/0dsh-engs-h441-d2cc-brzt

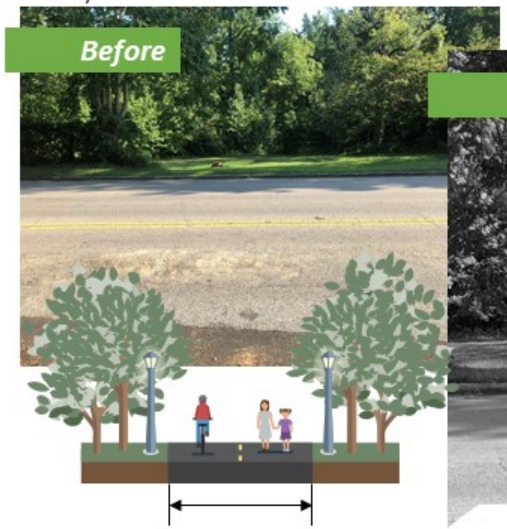
Task 3: Developing Implementation Plan

- Task 3.1: Steering Committee Meeting #3
- Task 3.2: Public Engagement and Online Survey
- Task 3.3: Updated List of Prioritized Projects
- Task 3.4: Draft Implementation Plan and Appendix
- Task 3.5: Town Review
- Task 3.6: NCDOT Review and Final Plan Presentation
- Task 3.7: Final Plan and Data Delivery

FOR CONCEPTUAL USE ONLY

Project #25: Horse Creek Greenway

This project is a new 1 mile shared-use path facility for pedestrians and bicyclists that runs North-South on the west side of Warrenton. The greenway parallels Horse Creek and crosses W Ridgeway Street, W Franklin Street, and ends at Cousin Lucy's Lane. The path uses a new portion of sidewalk along W Franklin St as an overland connector before transitioning south at the Hawkins Campus Drive crosswalk (Project #40).



Location: Along Horse Creek

Length: Approximately 1 mile

Planning-Level Cost Estimate: $563,000
BPCE Estimate: $2,415,000

Amenities: Paved shared-use path, curb ramps, truncated domes, lighting, signage, and high visibility continental marked crosswalks.

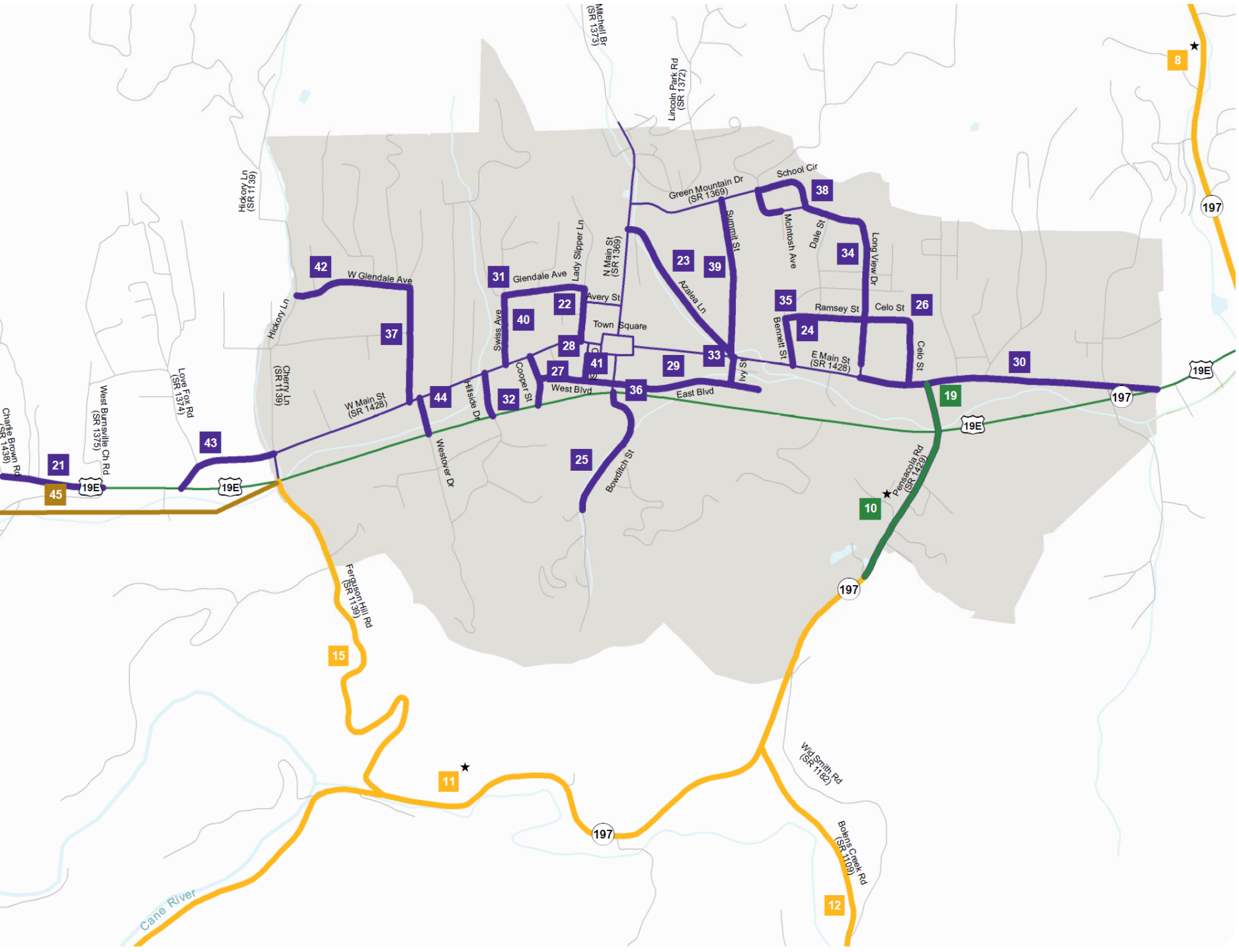
Constraints: The pilot project is located within a riparian zone, near wetlands on the north section, and passes through private property.

Estimated Unit Costs:
- Curb ramp ~ $890 each
- Truncated domes ~ $46 ft²
- Crosswalk ~ $2800 each
- Lighting ~ $5400 each
- Signage ~ $330 each
- Shared-use path (paved) ~ $530,000 / mile

Data Needs

Data Needs

- High Country RPO GIS, Yancey County GIS and Town of Burnsville GIS
  - Have existing and planned bicycle and pedestrian facilities based on PBIN, Regional Bike Plan, CTP
  - Have AADT and bike ped crash data from NCDOT
  - Any recent traffic counts that might have bike ped count data?
- Points of interest in Town, field visit locations of interest/potential route
- Future land use plans/developments recently permitted or pending
- Pending NCDOT or local repaving/improvement projects
- Town ordinances and zoning relating to biking/walking (Burnsville UDO)
- If applicable: Participation in the Active Routes to School Program (report summary) and plan, Learn to Ride/Bike Rodeo events
- Key town events/festivals (list): especially for the summer to help with scheduling public engagement



YANCEY COUNTY

TOWN OF BURNSVILLE INSET

Comprehensive Transportation Plan

Bicycle and Pedestrian Features

	Proposal ID #	Existing	Proposed
Bicycle	#		
Pedestrian	#		
Bicycle and Pedestrian	#		
Multiuse Path	#		
Bicycle and Pedestrian Bridge	#	○	●

Denotes Highway Incidental ★

Other Features

Studied Roads

Full report at:
https://tinyurl.com/Yancey-County-CTP

N

0 0.25 0.5 Miles

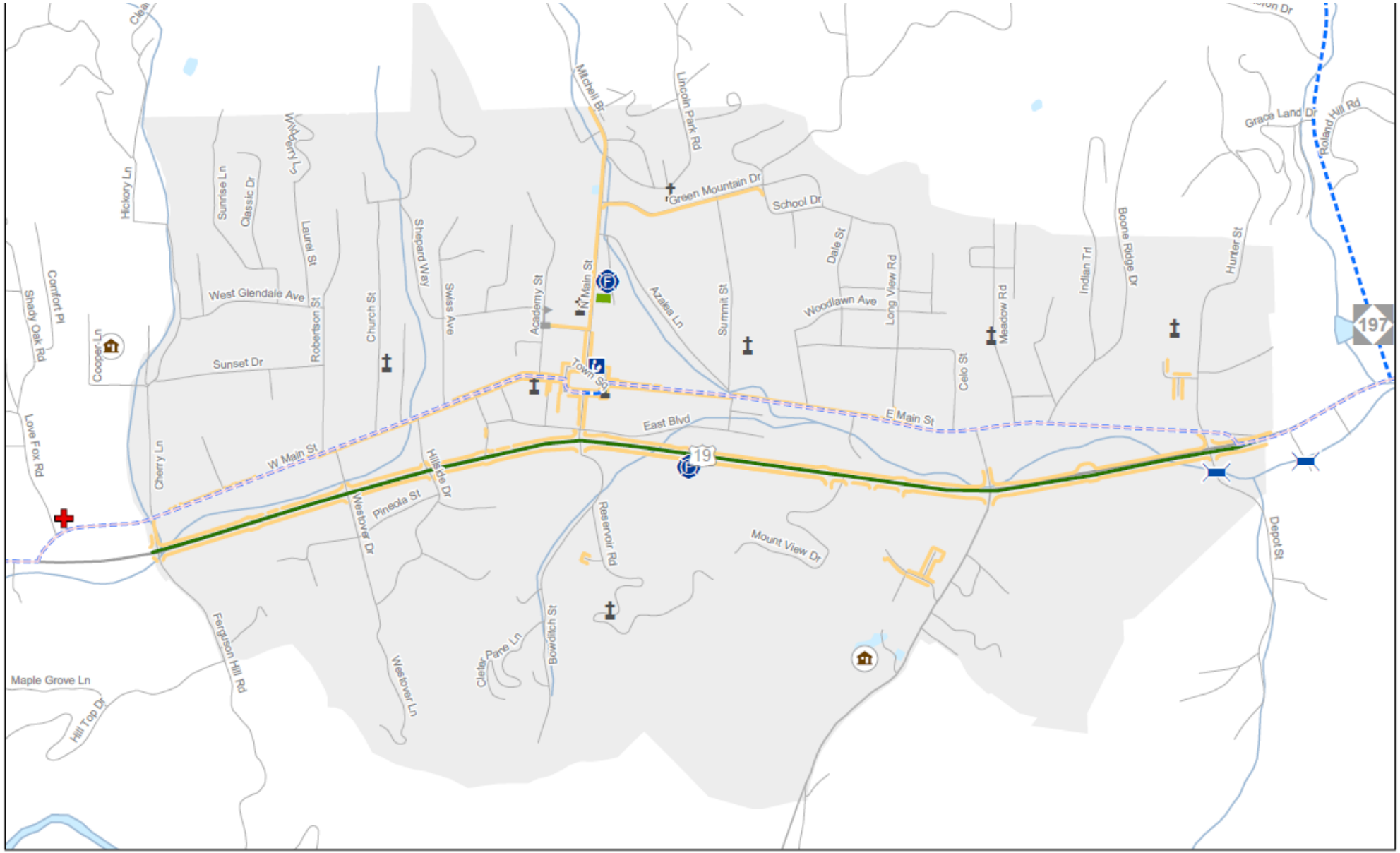
Sheet 4 of 4

Base map date: November 05, 2019

Legal Disclaimer

These concepts will need additional analysis to meet state and federal environmental regulations, to determine final locations and designs, and to be funded for implementation. Local zoning or subdivision ordinances may require the dedication of right of way based on the concepts shown on the Comprehensive Transportation Plan and local collector street plans, based on N.C.G.S. § 136-66.2 and § 136-66.10.

DRAFT
Plan Date: May 05, 2021



Burnsville Bike Ped Acceleration Project

Existing Bike Ped Facilities & Destinations

Community Destinations

- Place of Worship
- Emergency Medical Service
- Fire Station
- Nursing Home
- Public Library
- Nonpublic School

Bike Route Segment Priorities

Existing Facilities

- Shared Use Path
- Sidewalk
- Bicycle Facility

0 500 1,000 Feet

vhb

Share Additional Data

- See Data Needs list
- Drag and drop data into the OneDrive portal >> https://vhb-my.sharepoint.com/:f:/p/lzuyeva/Elso4qe105ROqAUJ09s8lccBwUUpDxTm4Kmbl5gScDGDYg?e=xaahEd
- Noteworthy role of previous plans
- Upcoming or pending developments, pending transportation improvements, Burnsville UDO, other plans
- Any important themes or issues to focus on?

Steering Committee - Meeting Logistics

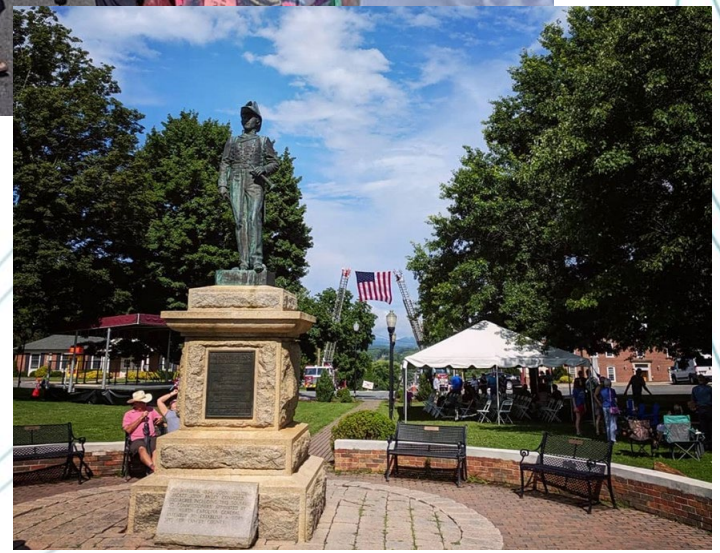
- Virtual, in-person, and hybrid
- Town's preference on platform
- Local meeting requirements
- Role of municipal participation, discussions
- Field visit for Task 1

Image: https://townofburnsville.org/

Public Engagement - Meeting Locations –

- Town's policy on large in-person gatherings
- Experience with virtual, in-person, and hybrid meetings
- Feedback on community engagement during COVID
- Potential pop up/festival events in 2022?

4/30/22	Burnsville Fit Family 5k
	Music & Fireworks on the Town Square
8/5/22	Mt Mitchell Crafts Fair, 9am-5pm
8/6/22	Mt. Mitchell Toy Run Fundraiser, 10am-3pm
9/8, 9/9, 9/10	Carolina Mountains Literary Festival
9/10/22	March For Jesus, 8am-4pm



Images: https://townofburnsville.org/

Next Steps and Other Discussion Items

1. Update Project Work Plan and schedule, send to the Project Team
2. Confirm monthly check-in meeting days/times
3. Identify Steering Committee members and schedule SC meeting #1 and field visit
4. Any other items?

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Offices located throughout the east coast

Image: https://townofburnsville.org/