

# SIDEWALK EXTENSION SCOPING STUDY

LINCOLN, VT

ALTERNATIVES PRESENTATION

December 1, 2020



# Project Study Area



- East River Road
- From end of existing sidewalk, approximately 293 East River Road
- To Lincoln Community School

# Project Need

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Narrow Shoulder/Limited Space for Pedestrians



Limits Space for Bicycles



Vehicle Speed



High Volume of Children Biking



High Volume of Children Walking



Truck Traffic



High Volumes of Bicycle Traffic



High Volumes of Pedestrian Traffic

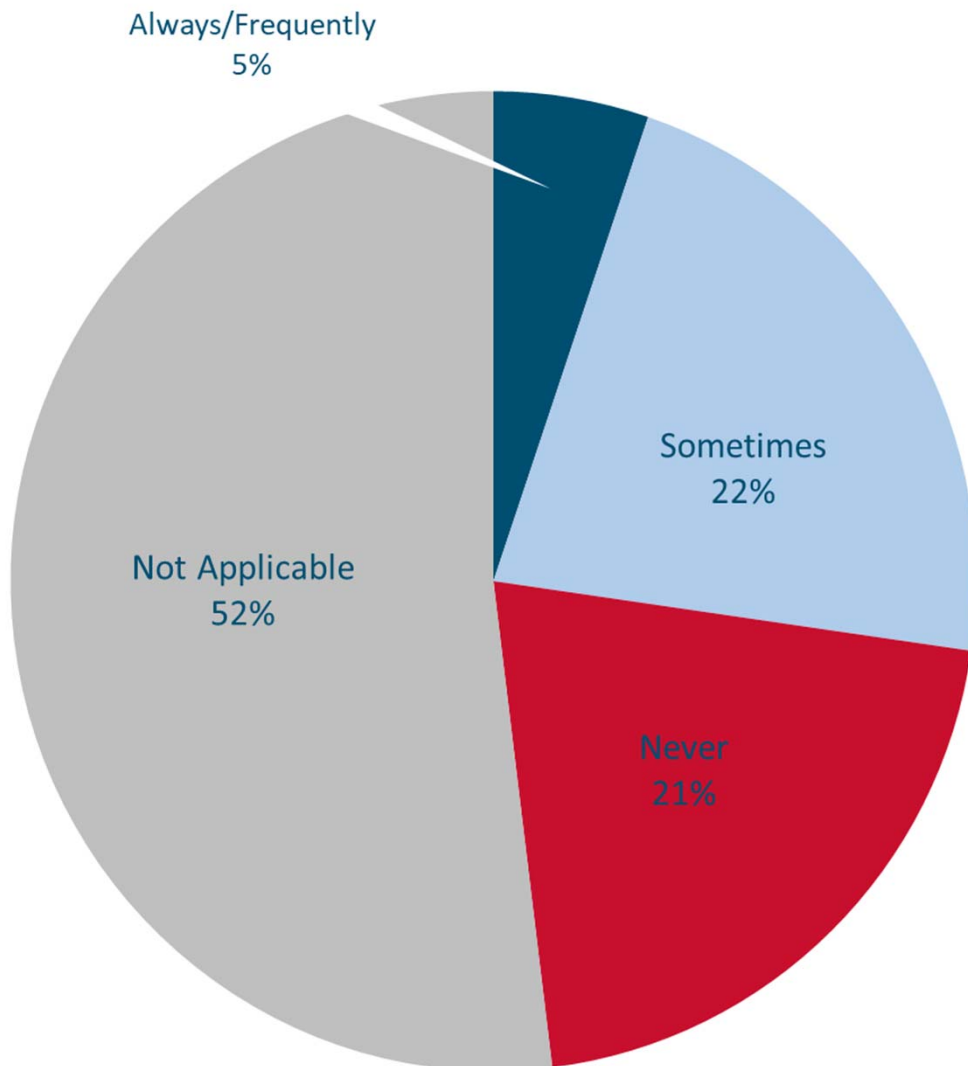


Other

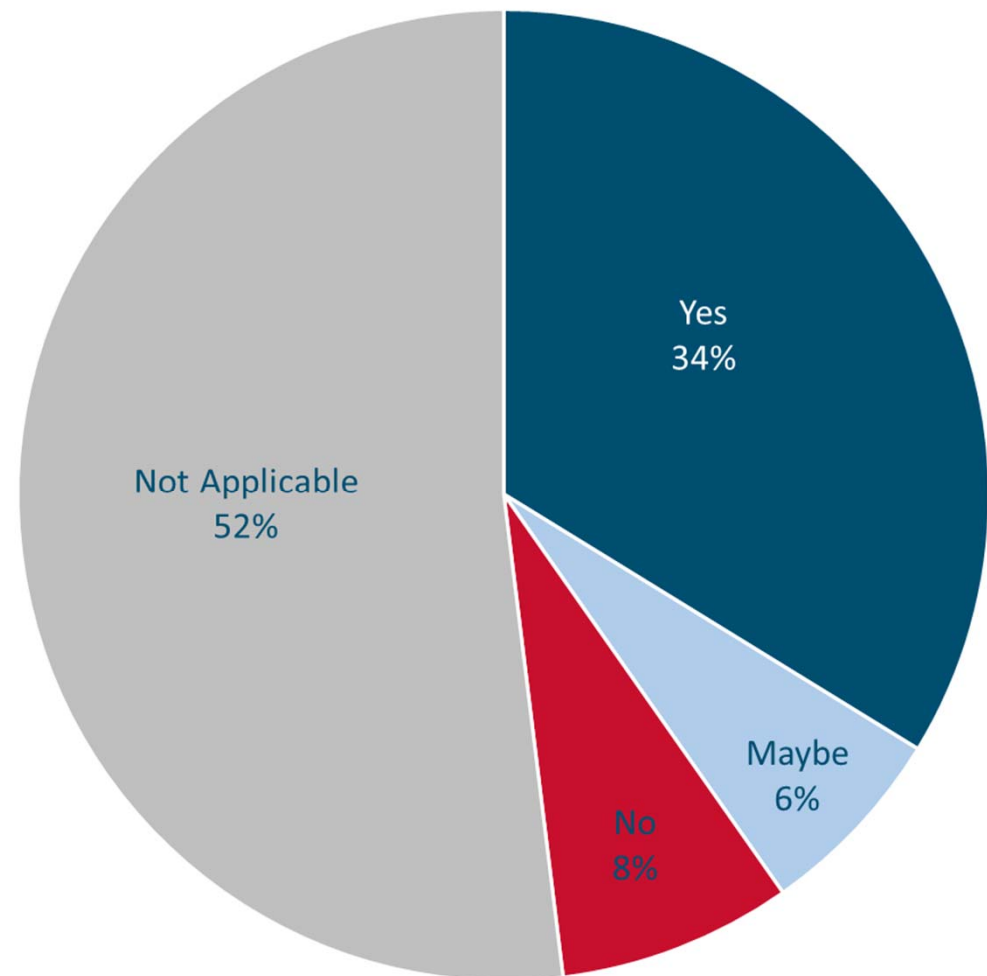


# Project Need

## Existing Conditions



## Future Potential

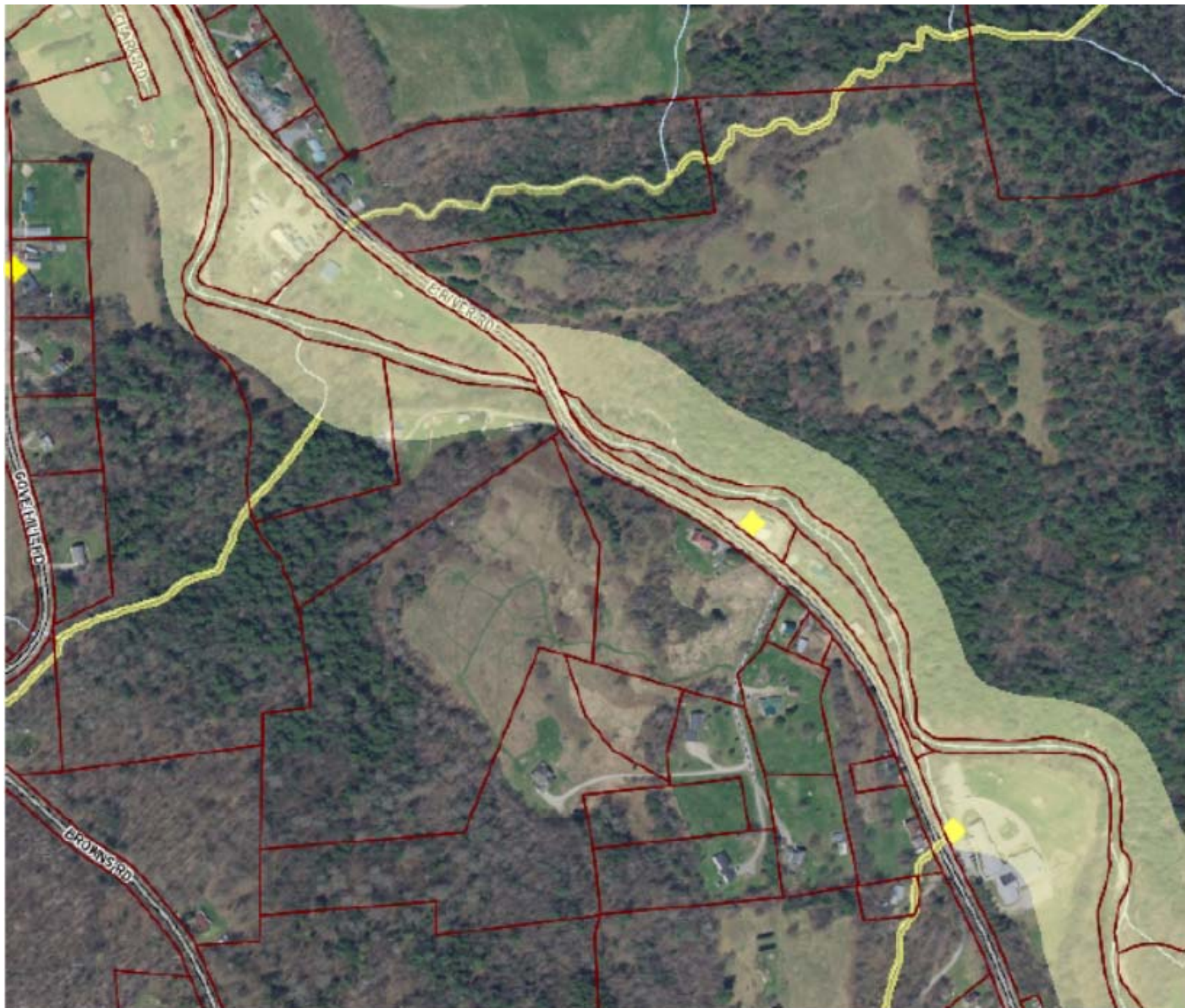


# Project Purpose & Goals

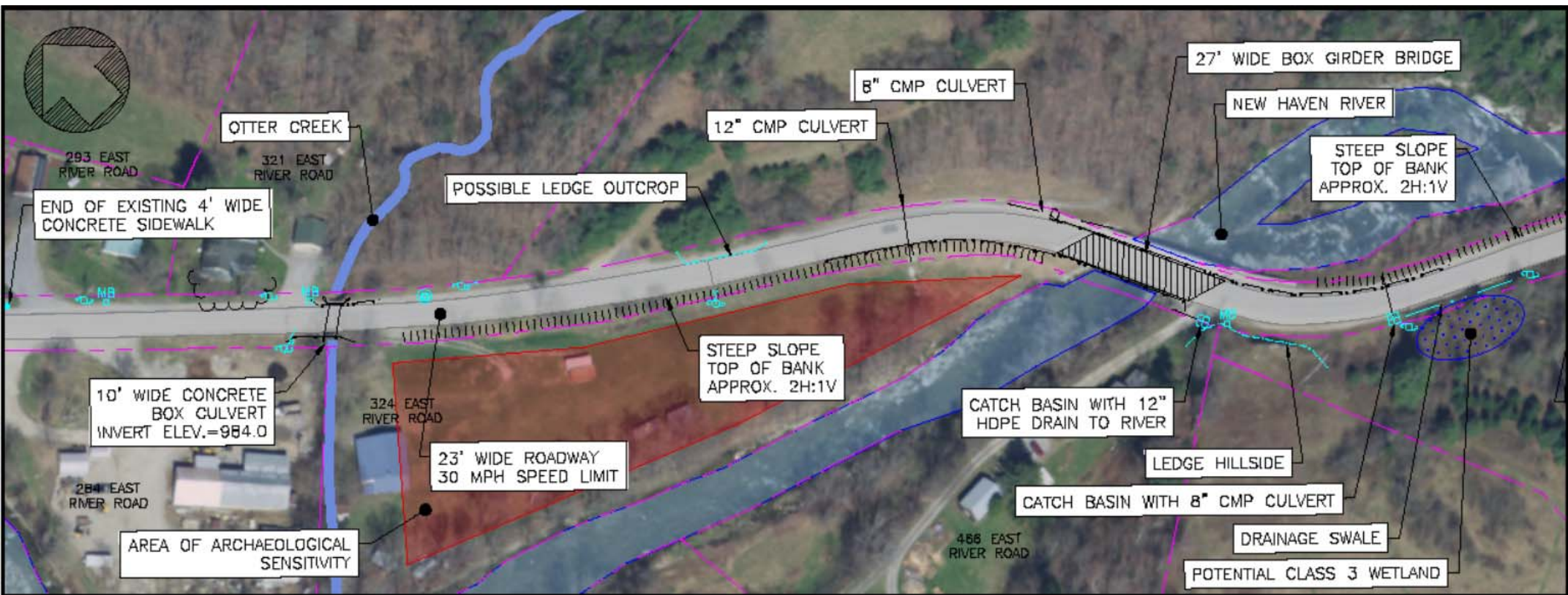
- Improve connectivity for pedestrians and bicyclists from the Village Center to the Lincoln Community School
- Improve pedestrian and bicycle safety along East River Road

# Challenges

- Existing sidewalk ends abruptly
- Limited space along road
- Steep slopes down to the river
- Ledge outcrops
- Potential Wetlands

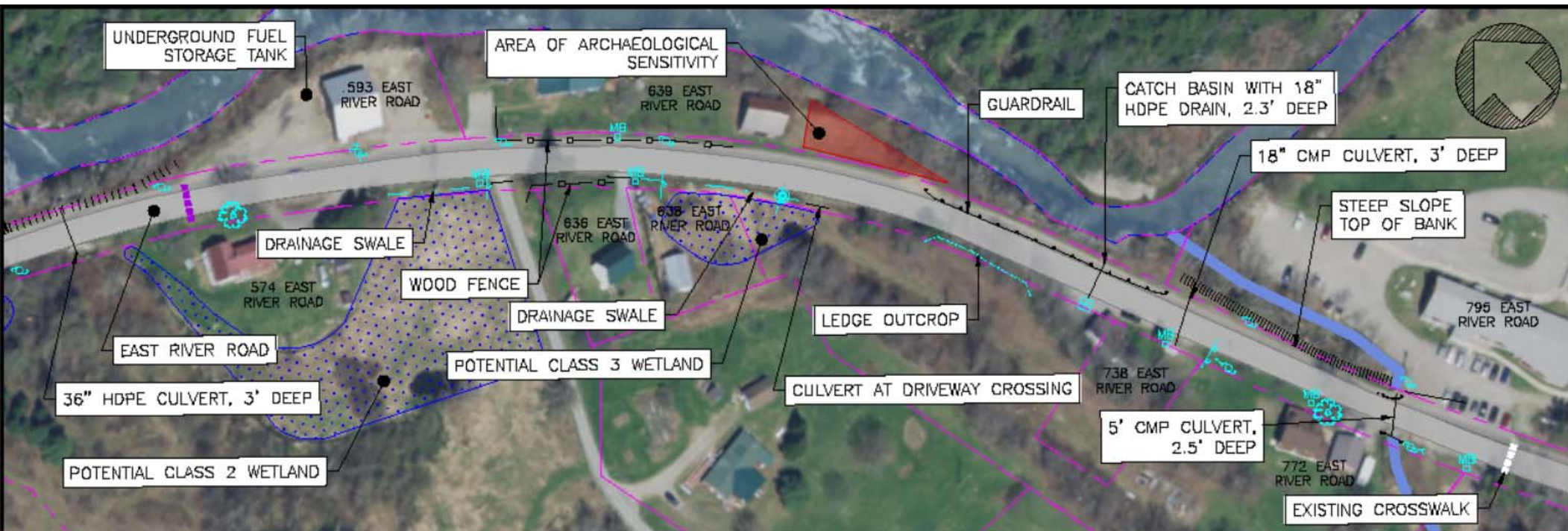


# Existing Conditions – North Half





# Existing Conditions – South Half



# Alternatives Identification Criteria

- Minimize Permanent Easements
- Minimize Crossings
- Minimize Permitting Requirements
- Sidewalk vs Shared Use Path
  - Materials: Concrete, Asphalt, Gravel
- ADA Compliance

# Cross Section Options







Sidewalk w/ Curb

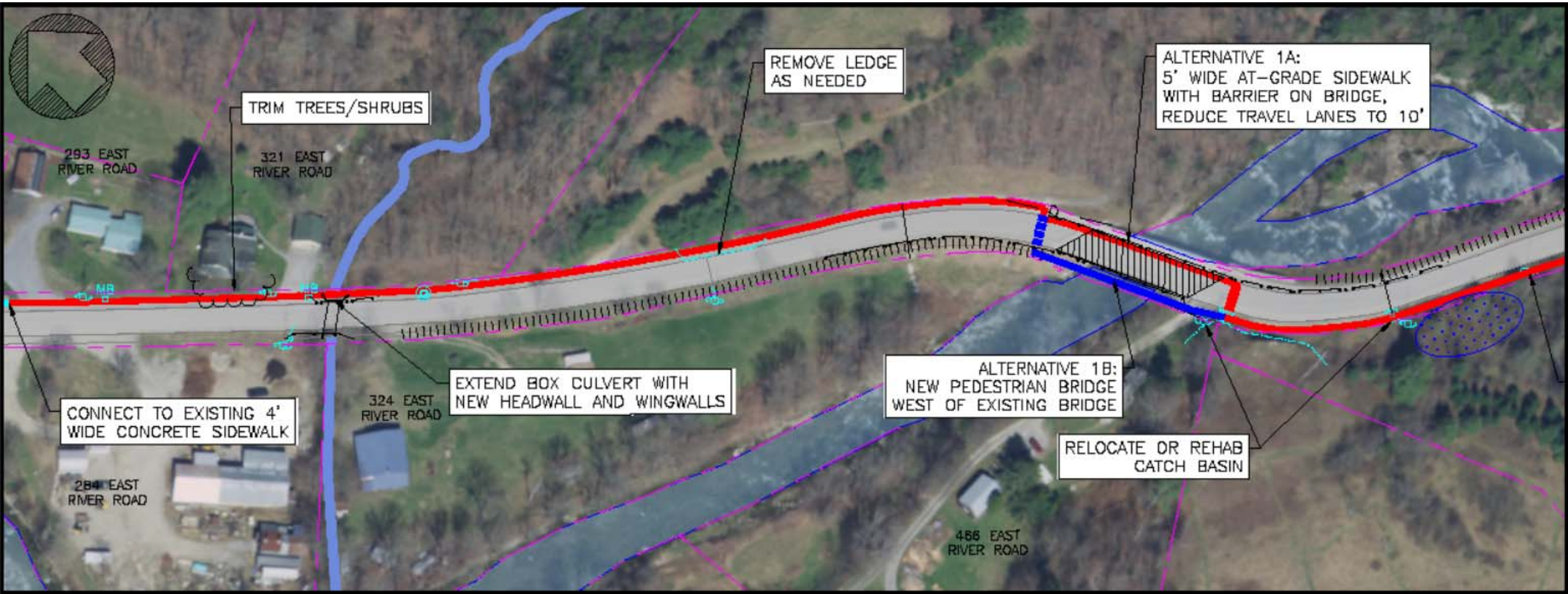


Sidewalk w/ Greenspace

With or Without Curb

# Alternatives – North Half

- ALTERNATIVE 1A 
- ALTERNATIVE 1B 
- ALTERNATIVE 2A 
- ALTERNATIVE 2B 



# Alternatives – North Half



Delineator Posts



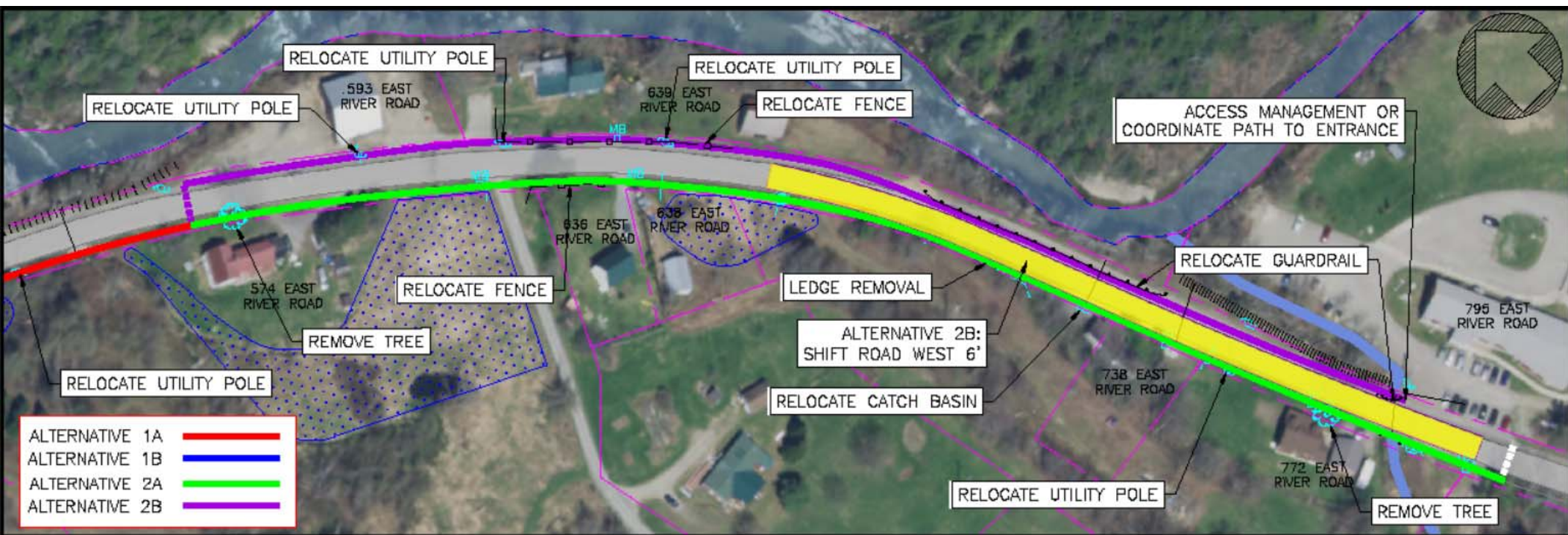
Jersey Barrier

# Alternatives – North Half



Pedestrian Bridges

# Alternatives – South Half



# Alternatives – Bicycles



Shared Lane  
Manchester, Vermont



Bicycle Lanes  
Springfield, Vermont





# Alternatives – Options

- Traffic Calming
- Drainage
- Lighting
- Barriers
- Education

# Evaluation Criteria

- Right-of-Way Acquisition
- Road Crossings
- Environmental Impacts
- Utility Relocation
- Maintenance Requirements
- Cost

Criteria	No Build	Alternative 1A	Alternative 1B	Alternative 2A	Alternative 2B
		Existing Bridge	New Bridge	West Side	East Side
<b>Impacts</b>					
ROW Acquisition	None	Minimal	Minimal	Minimal	Minimal
Stormwater/Drainage	None	Significant	Significant	Minimal	Minimal
Elevations/Grading	None	Minimal	Moderate	Minimal	Moderate
Utility Relocation	None	Moderate	Moderate	Moderate	Moderate
Archeological & Historic	None	None	None	Minimal	None
Prime Agriculture Soils	None	None	None	None	None
Hazardous Materials	None	None	None	None	None
Floodplains	None	None	Moderate	None	Minimal
T&E Species	None	None	None	None	None
Wetlands	None	Moderate	Moderate	Moderate	None
<b>Local &amp; Regional Issues</b>					
Maintenance	No Change	Minimal	Moderate	Moderate	Minimal
Character	No Change	Minimal	Minimal	Minimal	Minimal
Conformance to Town/Regional Plan	No	Yes	Yes	Yes	Yes
Satisfies Purpose & Need	No	Yes	Yes	Yes	Yes
<b>Permits/Approvals</b>					
19 V.S.A. 1111 Access Permit	No	No	No	No	No
Act 250	No	No	No	No	No
Floodplain	No	No	Yes	No	Yes
Stream Alteration	No	No	Yes	No	Yes
Stormwater Discharge	No	No	No	No	No
Stormwater Construction	No	No	No	No	No
Shoreline	No	No	No	No	No
Wetlands	No	Potentially	Potentially	Potentially	No
<b>Miscellaneous</b>					
New Bridges	None	0	1	0	0
Road Crossings	None	1	1	1	1
<b>Cost</b>					
Preliminary Estimated Construction Cost	\$0	\$270,000	\$510,000	\$150,000	\$180,000

# Next Steps

- Select a “Preferred” Alternative
- Further Refinement of Preferred Alternative
- Draft Report
- Final Presentation
- Final Report

Concerns / Comments / Questions ??

Thank You!