BRISTOL AIRPORT DRIVE SIDEWALK SCOPING STUDY

Addison County Regional Planning Commission
Transportation Advisory Committee (TAC) Meeting
SEPTEMBER 21, 2022
BRISTOL AIRPORT DRIVE SIDEWALK SCOPING STUDY: ACRPC TAC MEETING

- Project Overview
- Kick-Off Meeting
- Existing Conditions
- Local Concerns Meeting
- Project Alternatives & Evaluations
- Alternatives Presentation Meeting
- Planning Study Report
PROJECT GOAL:

Develop a Scoping Study Report that identifies and evaluates alternatives for pedestrian infrastructure options along Airport Drive for the Town to consider for future design and construction.

Project funded through ACRPC Transportation Planning Initiative Grant.
KICK-OFF MEETING:

- Attendees included representatives from the Town, ACRPC, and D&K.
- Reviewed project scope, project area limits, schedule, and project logistics.
Existing Conditions: Destinations in and around the Project Area

- Destinations in and around the Project Area
  - American Legion
  - Mt. Abraham Union High School
  - Bristol Recreation Club Fields
  - The Hub Teen Center & Skatepark
  - Bristol Recreation Club Fields
  - Connect to existing Sidewalk on VT 116/17/Stoney Hill Rd
  - Connect to path on north side of recreation fields
  - Project Area

BRISTOL AIRPORT DRIVE
SIDEWALK SCOPING STUDY:
ACRPC TAC MEETING

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**Existing Conditions: Overall Project Area**

- Water line on east side of road
- Road width approx. 24’ to 26’ wide
- Gates to high school ground
- Striped parking
- Airport Drive (TH 32) appears to be located within the School right-of-way
- Nearby building with parking
- No known environmental resources within the project area

**Brickston Airport Drive Sidewalk Scoping Study: ACRPC TAC Meeting**

- Opportunity to connect to existing path
- No known environmental resources within project area
- 13’ from edge of road to fence
- Right-of-way approx. 14’ to 17’ from edge of Airport Drive
- 15’ from edge of road to fence
- Opportunity to connect to existing sidewalk

**Legend**
- Edge of road
- Gate
- Project Area
- Fence
- Utility pole
- Overhead utilities
- Existing pedestrian facilities
- Parcels
LOCAL CONCERNS MEETING:

- Public meeting to solicit public input on the interests, concerns, and thoughts on pros/cons of the project area.

- At this meeting, there was general preference for a sidewalk on the east side of the road.

- Discussion regarding right-of-way along Airport Drive.
Alternatives for Evaluation:

1: Curbed sidewalk on east side (alternative broken out into northern and southern sections)

2: Sidewalk with grass strip on east side (alternative broken out into northern and southern sections)

3: Sidewalk with grass strip on east side with shifted road
ALTERNATIVE 1

East side: 5’ curbed sidewalk

5’ curbed concrete sidewalk

tie into existing sidewalk

5’ curbed concrete sidewalk

relocate pole

shift sidewalk to behind gate, relocate section of fence

tie into existing path
Bristol Airport Drive Sidewalk Scoping Study: ACRPC TAC Meeting

**Alternative 2**

East side: 5’ sidewalk with 5’ grass strip

- 5’ concrete sidewalk with 5’ grass strip
- Tie into existing sidewalk
- Relocate pole
- Relocate hydrant
- Relocate pole

- 5’ concrete sidewalk with 5’ grass strip
- Relocate pole
- Shift sidewalk to behind gate, relocate section of fence
- Tie into existing path
BRISTOL AIRPORT DRIVE SIDEWALK SCOPING STUDY: ACRPC TAC MEETING

ALTERNATIVE 3

East side: 5’ sidewalk, varying width grass strip, and shifting road

- 5’ concrete sidewalk with 4’ grass strip
  - Maintain 20’ in front of maintenance building for parking
- Shift road approx. 3’
- Tie into existing sidewalk

- 5’ concrete sidewalk with 9’-12’ grass strip
  - Shift road approx. 3’
  - Relocate pole
  - Shift sidewalk to behind gate, relocate section of fence
- Tie into existing path

Revised: September 5, 2014
### BRISTOL AIRPORT DRIVE SIDEWALK SCOPING STUDY: ACRPC TAC MEETING

#### OPINION OF PROBABLE CONSTRUCTION COSTS

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<th>Item</th>
<th>Description</th>
<th>Unit</th>
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</table>

| Subtotal Construction | $149,580 | $135,060 | $103,160 | $91,420 | $464,510 |
| 20% Contingency on Alternative Specific Items | $4,200 | $4,940 | $1,840 | $3,580 | $55,490 |
| Opinion of Probable Construction Cost, Conceptual | $150,000 | $140,000 | $105,000 | $95,000 | $520,000 |
| Preliminary Engineering and Administration Costs** | 22% | $34,000 | $35,000 | $25,000 | $22,000 | $117,000 |
| Construction Admin** | 14% | $21,000 | $20,000 | $15,000 | $13,000 | $73,000 |
| Non-Construction Related Project Costs | $55,000 | $55,000 | $40,000 | $35,000 | $190,000 |
| subtotal | $205,000 | $195,000 | $145,000 | $130,000 | $710,000 |

| Rounded Total (Excluding ROW costs) | $205,000 | $195,000 | $145,000 | $130,000 | $710,000 |

** Alternative 1A + 1B: $400,000 **

** Alternative 2A + 2B: $275,000 **

** Alternative 3: $710,000 **

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* Average base sidewalk construction cost value from the VTrans Report on Shared-Use Path and Sidewalk Costs, January 2020.

** Percentages based on VTrans Report on Shared-Use Path and Sidewalk Costs, January 2020, rounded to the nearest $1,000.

Assumption: Utility company will pay for costs associated with required relocation of utility poles.
## BRISTOL AIRPORT DRIVE SIDEWALK SCOPING STUDY: ACRPC TAC MEETING

### EVALUATION MATRIX

<table>
<thead>
<tr>
<th>Land Use</th>
<th>ROW Impacts</th>
<th>Utility relocation</th>
<th>Streams/Floodplain</th>
<th>Fish &amp; Wildlife</th>
<th>Wetlands</th>
<th>Wildlife/Cons. Areas</th>
<th>Agricultural Lands</th>
<th>Archaeological / Historic</th>
<th>Public Lands (Section 4f)</th>
<th>LWCP (Section 6(f))</th>
<th>Hazardous Waste</th>
<th>Act 250 or CE</th>
<th>Section 404 (wetlands)</th>
<th>Section 401 Water Quality</th>
<th>State Wetlands Permit</th>
<th>Stream Alteration Permit</th>
<th>Construction Stormwater</th>
<th>Discharge Permit</th>
<th>Operational Stormwater</th>
<th>Discharge Permit</th>
<th>Lakes &amp; Ponds</th>
<th>R, T, E Species</th>
<th>Section 1111 Permit</th>
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### Project Costs

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<th>Construction</th>
<th>Design, Admin, and Resident Engineer</th>
<th>Total Project Costs (excluding ROW)</th>
<th>Total Project Costs for Combined A + B</th>
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### Level of Meeting

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<th>Goal of Focus Area</th>
<th>Improved Safety for Pedestrians along Project Area</th>
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<td>Improved for southern portion of project area</td>
<td>Improved for northern portion of project area</td>
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<tr>
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<td>Improved for northern portion of project area</td>
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### Environmental/Cultural Resource Impacts

- Streams/Floodplain: no, no, no, prime soils (statewide), prime soils (statewide), no, no, no, no, no, no
- Fish & Wildlife: no, no, no, no, no, no, no, no, no, no
- Wetlands: no, no, no, no, no, no, no, no, no, no
- Wildlife/Cons. Areas: no, no, no, no, no, no, no, no, no, no
- Agricultural Lands: prime soils (statewide), prime soils (statewide), prime soils (statewide), prime soils (statewide), prime soils (statewide), no, no, no, no, no, no
- Archaeological / Historic: unknown, unknown, unknown, unknown, unknown, unknown, unknown, unknown, unknown, unknown

### Permitting

- Act 250 or CE: CE, CE, CE, CE, CE, no
- Section 404 (wetlands): no, no, no, no, no, no
- Section 401 Water Quality: no, no, no, no, no, no
- State Wetlands Permit: no, no, no, no, no, no
- Stream Alteration Permit: no, no, no, no, no, no
- Construction Stormwater: no, no, no, no, no, no
- Discharge Permit: no, no, no, no, no, no
- Operational Stormwater Discharge Permit: no, no, no, no, no, no
- Lakes & Ponds: no, no, no, no, no, no
- R, T, E Species: no, no, no, no, no, no
- Section 1111 Permit: no, no, no, no, no, no

* An operational stormwater discharge permit would likely be needed for Alternative 3 if the roadway is determined to be owned by the school parcel due to the school currently having an existing operational stormwater permit.
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ACRPC TAC MEETING

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FINAL STEPS:
- ACRPC TAC Meeting
- Finalize Scoping Study Report

Planning Study Report
BRISTOL AIRPORT DRIVE SIDEWALK SCOPING STUDY:
ACRPC TAC MEETING

Comments?

Questions?

Valerie Capels
Bristol Town Administrator

Mike Winslow
Addison County Regional Planning Commission

Jenny Austin, P.E.
DuBois & King, Inc.