



September 8, 2021

Ms. Valerie Capels  
Town Administrator  
1 South Street  
P.O. Box 249  
Bristol, VT 05443

Subject: Town of Bristol - West Street Crosswalk Design  
Cost Proposal for Engineering Design Services

Dear Valerie:

Thank you for the opportunity to provide this cost proposal for engineering services for the West Street Crosswalk Design. We appreciate your consideration and an opportunity to assist the Town with this project. Since this is a cost proposal, we have not provided an extensive amount of firm qualifications and experience.

#### **PROJECT UNDERSTANDING AND RELEVANT EXPERIENCE**

It is our understanding that the Town is looking to install a new crosswalk on West Street which will allow pedestrian access from a public trail network and the new business park off of Firehouse Drive. Our firm has designed pedestrian accesses in a wide array of applications including municipal, commercial, and institutional settings. We have conducted studies throughout Vermont that analyzed traffic patterns, speed, sight distance, and drainage, prior to completing design and permitting. Most recently, our firm assisted a commercial client with a similar situation. The project involved providing safe refuge and crossing for pedestrians across a busy state highway in a midblock location. We have attached a written project narrative and description, along with a reference name and number to demonstrate our experience.

#### **SCOPE OF WORK AND SCHEDULE**

We generally concur with the scope as described and anticipate the following steps:

1. Evaluate the existing conditions by gathering existing files and information available from the Town and determining the appropriate design parameters including stopping sight distance.
2. Complete a limited topographic survey of the project area and confirm whether a crossing at Firehouse Drive is most appropriate.
3. Evaluate up to two alternatives, prepare opinions of probable construction cost and summarize them in a written recommendation to the Selectboard.

4. Attend a Selectboard meeting to present the alternatives and recommendations and respond to citizen comments.
5. Prepare final design plans and applicable specifications for construction of the selected alternative, provided it is within the Town's available budget.

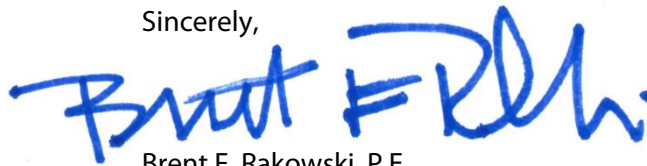
Brent F. Rakowski, P.E. will be the primary contact and engineer of record. Brent will be assisted by Ryan Augustine, E.I. and OCE's dedicated support staff. If authorized to proceed on Tuesday September 14, 2021, and provided all existing materials and information associated with the developments on Firehouse Drive are made available, we envision being prepared to present the results of the project to the Selectboard at the October 11, 2021 meeting.

#### **BUDGET AND ESTIMATED HOURS**

We propose to provide services outlined in the Request for Proposal for a lump sum, not-to-exceed fee of three thousand eight hundred dollars (\$3,800).

We appreciate the opportunity to submit this proposal. If you have any questions regarding its content, or you wish to meet to discuss the proposal, please do not hesitate to call me.

Sincerely,



Brent F. Rakowski, P.E.  
Vice President  
(802) 382-8522 ext. 205  
*P2021*



**Client:** Town of Bristol  
**Project:** West Street Crosswalk Design  
**Date:** September 7, 2021

Task Number	Task Description	B. F. Rakowski, P.E. Senior Project Engineer	R. Augustine, E.I. Project Engineer	Engineering Technician	Administrative	Expenses	Cost Per Task
<b>1</b>	<b>Scope of Work</b>						
	Topographic Survey and Basemap of the project areas. Evaluate appropriate location for a crosswalk based on the stopping/sight distances (west and east) and traffic speed on West Street in the vicinity of Firehouse Drive.	2		8		\$30	\$920
	Evaluate design considerations such as utility conflicts, drainage, and slope on the north side of West Street to accommodate a new crosswalk in the vicinity of Firehouse Drive.	2	4				\$630
	Identify the most appropriate location for a crosswalk in the vicinity of Firehouse Drive.	1	1				\$220
	Develop design plans and cost estimates for a traditional striped crosswalk and one with electronic (solar) pedestrian-actuated signals.	2	4	8		\$30	\$1,300
	Determine what permits, if any, may be required	1					
	Present alternatives to the Selectboard at a regular Selectboard meeting, either in person or remotely via Zoom.	2				\$20	\$270
	Develop specifications for construction for the preferred option.	2	2			\$20	\$460
<b>Total Hours</b>		12	11	16	0	\$100	
<b>Percent of Total Hours</b>		31%	28%	41%	0%		
<b>Hourly Rate</b>		\$125.00	\$95.00	\$80.00	\$65.00		
<b>Subtotals</b>		\$1,500	\$1,045	\$1,280	\$0	\$100	\$3,800

<b>TOTAL</b>	<b>\$3,800</b>
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# Lake Bomoseen Lodge Crosswalk

Crosswalk Development, Castleton, VT



Stratton Mountain in Winter.

Lake Bomoseen Lodge hosts a number of events throughout the year at their outdoor location, located on the lake side of Route 30, and their new event space on the third floor of the Tap Room on the east side of the road. In addition to normal pedestrian traffic at the Lodge, during events the guests (up to 150 people) will need to cross back and forth across Vermont Route 30. OCE evaluated the location for site distances and traffic speed and considered utility conflicts, drainage, and slope when identifying the most appropriate location. OCE prepared the VTrans State Highway Access and Work Permit and prepared design drawings, which included new signage and grading profiles.

## Contact

Khele Sparks

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413.519.9362

