



**Colorado State University
Alternative Transportation Fee Advisory Board
2019-2020 Project Proposal Form**



Project Name/Location: Braiden Hall – Northeast Courtyard Bike Shelter

Estimated Initial Cost: \$27,770 Estimated Recurring Cost (if applicable): \$0

Funding Request from ATFAB: \$27,770 Matching Funds (if applicable): Up to \$25k to add solar to the shelter

Please Attach the Full Budget: Include total cost, amount requested from ATFAB, breakdown of all expenses, funding from other sources, etc. Please be thorough and specific.

Submitting Unit:

Name: Mary Liang

Telephone: 970.491.3871

Email Address: mary.liang@colostate.edu

Department: Housing and Dining Services

College or Division:

Approvals (Signatures):

Provost/VP: _____ Signature/Date: _____

Department Head/Director *

Name: *Maria Miles* Signature/Date: *21 January 2020*

*Whoever oversees the areas affected by the proposed project. For example, if the proposal was to add covered bike parking near the LSC, you need to contact the Director/Department Head in charge of the LSC. Please contact ATFAB with any questions.

Facilities Management Approval of Estimated Budget/Schedule

Name: *David Hansen* Signature/Date: *1/21/2020*

Fill out and return proposal documents via email to ATFAB_CSU@colostate.edu and Aaron.Fodge@colostate.edu Deadline – Tuesday January 21, 2020

If project involves infrastructure construction, CSU Facilities must review cost estimates and proposal schedule. Facilities Deadline – Tuesday December 17, 2019 Please email to David Hansen at David.Hansen@colostate.edu

If accepted, you will be asked to give a 30-minute formal presentation to the ATFAB.

1. Description of the project (limit to ½ page):

Housing and Dining Services (HDS) is proposing a covered bike shelter at Braiden Hall – Northeast Courtyard. Please see attached for a map of the proposed site. As of Fall 2019, Braiden Hall is home to 573 students, serving approximately 9% of our on-campus residents. This bike parking area provides approximately 144 bike parking spaces, although currently uncovered. This location was selected after identifying HDS bike parking areas with unobstructed solar exposure, close proximity to the building, and high student visibility. In the future, HDS plans to submit a proposal through the HDS Sustainability Fund, as well as look for other funding mechanisms, to install solar on top of the proposed bike shelter.

CSU's Off-Campus Life 2018 Student Rental Housing Survey shows that 38.6% of respondents say that bike storage/parking is extremely or very important to them and 41.2% of respondents say it is moderately or slightly important to them. This number indicates that bike storage is an important student issue. Our Eco Leaders, student peer educators in the residence halls and Aggie Village, report that many of our students desire bike shelters or indoor bike parking, where their bikes can be protected from the weather. As we currently don't have the infrastructure to support indoor bike parking, this covered bike shelter feels like the most viable option to pilot.

Eco Leaders have also noted that when speaking with their peers, students may hesitate to bring a bike on-campus because there are no good areas to protect/ store their bikes during the winter months, during which they are less likely to ride their bikes. Furthermore, the longer the bikes sit outside unriden and untouched, the more deteriorated the bikes become, and the more likely students will leave their bikes behind during move-out, exacerbating our problem of abandoned bikes at the end of the academic year.

2. Approximate timeline for the project (have you contacted Facilities for a bid and proposed schedule, if applicable?):

The timeline for this project is the end of calendar year 2020. The attached budget is an estimate for a 2020 installation.

3. Please provide a discussion of how users will be supported (limit to ¼ page):

As this will be the first bike shelter in a residential area, HDS will provide communications when the shelter has been installed. Additionally, given that this is an infrastructure project, outside a large residential building with an attached dining hall, this shelter will be highly visible and available for students to use. We also have one Eco Leader in Braiden Hall, who will provide assistance and support to their peers if needed. We will collect feedback on the shelter from Braiden residents.

4. Please describe the benefits to students in accordance with ATFAB By-Laws (see Article VII, Funding Rules). Website: <https://atfab.colostate.edu/atfab-bylaws/>

Part of ATFAB's mission is to "to review all project proposals for allocations used to provide new facilities and/or to improve current facilities that directly benefit the students of Colorado State University." Our students have consistently asked for covered bike parking and providing such infrastructure will directly benefit the students living in Braiden Hall, as well as other students dining in the building as well.

- 5. Please provide any evidence that there is student support for the following proposal (i.e. petitioning, letters of support, requests for proposal by students, ASCSU Resolutions, College Council approvals, etc.) It is highly recommended that proposals reach out to students; the level of student support for your proposal will likely affect the board's decision to fund it.**

Results from CSU's Off-Campus Life 2018 Student Rental Housing Survey show that 38.6% of respondents say that bike storage/parking is extremely or very important to them, while 41.2% of respondents say it is moderately or slightly important to them.

We have also observed that more bikes are parked in sheltered areas, usually from building overhangs, anecdotally telling us that individuals are searching for and parking under covered spaces.

- 6. Is your project mentioned in any of the CSU Campus Master Plan documents? Have any campus advisory committees discussed this project? It is recommended that you consult an applicable planning or advisory committee for letters of support and advice regarding your proposal. Please attach any documents if applicable.**

There is no mention of covered bike parking in the university's campus master plan. However, there has been conversations with CSU's Alternative Transportation to install more shelters (bike and bus). The campus Physical Development Committee has approved this bike shelter design and one has successfully been installed at CSU Facilities as a pilot. Furthermore, a solar-ready bike shelter is an excellent opportunity to increase CSU's on-site renewable energy production. In 2017 CSU pledged to 100% renewable electricity by 2030 and the university has committed to carbon neutrality by 2050.

- 7. Please provide any additional information below.**

Currently, all new HDS buildings must be outfitted for bike racks to accommodate 80% of building residents outside each building as indicated in the construction manual. HDS has been and is actively looking for areas where we can install solar bike shelters around our facilities, and this project will provide us with data specific to our students. As mentioned earlier, we hope to receive funding from the HDS Sustainability Fund to install solar panels on this proposed bike shelter, should this project get funded and executed.

HDS - Covered Bike Parking Structure

PROJECT COST ESTIMATE - Revised 1/12/20

Item No.	Description	Quantity	Unit	Unit Cost	Total Proj.
1	2 Concrete Footers	2	EA	\$ 2,100.00	\$ 4,200.00
2	Fabricate, Powder Coat and Install Structure	1	ALLOW	\$ 15,500.00	\$ 15,500.00
3	Repair existing paving affected by concrete footers	1	ALLOW	\$ 1,200.00	\$ 1,200.00
	SUBTOTAL				\$ 20,900.00
	Project Management Fee (10%)				\$ 2,090.00
	Code Review				\$ 600.00
	Estimating Contingency (10%)				\$ 2,090.00
	Design Fees (10%)				\$ 2,090.00
	PROJECT TOTAL			Total	\$ 27,770.00



3

2

1

CLOSED TO THROUGH TRAFFIC

412

Hartshorn

415

410

425

HUGHES WAY

Study Cube

Morgan Library

Eddy

Newsom

MERIDIAN AVE

236

475

Aylesworth

470

Braiden



Education

W PITKIN ST

W PITKIN ST