



Colorado State University  
Alternative Transportation Fee Advisory Board  
2021-2022 Project Proposal Form



**Project Name/Location: Improving Bike Security and Education on CSU Campus**

Estimated Initial Cost: \$55,200.00

Estimated Recurring Cost (if applicable): \$55,200.00

Funding Request from ATFAB: \$55,200.00

Matching Funds (if applicable):

**Please Attach the Full Budget:**

**Total Budget:**

Total Cost = \$55,200.00

Storage = \$20 x 5 x 12 = \$1,200 (for 12 months x 5 pallets – overestimate to be safe) in Central Receiving

Freight is free by Rocky Mounts for Maddox lock\* (view the email in the supplementary document)

**Funding From ATFAB:**

Option 1. Desired Option:

Maddox Qty Buy 6000 x \$9.00 = \$54,000

OR

Option 2. Second Choice

Maddox Qty Buy 6000 x \$9.50 = \$57,000 (if delayed placement of order)

OR

Option 3. Third Choice

Maddox Qty Buy 4000 x \$9.50 = \$38,000

OR

Option 4. Fourth Choice

Maddox Qty Buy 4000 x \$10.00 = \$40,000 (if delayed placement of order)

**Submitting Unit:**

Name: Benton Roesler and Christian Dykson

Telephone: Benton (309) 370-7534

Email Address:  
ascsu\_housing\_security@colostate.edu

Department: ASCSU in the LSC

College or Division: ASCSU in the LSC

**Approvals (Signatures):**

Department Head/Director \*

Name: Frank Johnson Signature/Date: 

\*Whomever 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: \_\_\_\_\_ Signature/Date: \_\_\_\_\_

***Fill out and return proposal documents via email to ATFAB\_CSU@colostate.edu and Aaron.Fodge@colostate.edu **Deadline for final submissions – Friday January 21<sup>st</sup>, 2022*****

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

**As an attached document, please answer the following questions:**

- 1. Description of the project (limit to ½ page):**
  
- 2. Approximate timeline for the project (have you contacted Facilities for a bid and proposed schedule, if applicable?):**
  
- 3. Please provide a discussion of how users will be supported (limit to ¼ page):**
  
- 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/>**
  
- 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.**
  
- 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.**
  
- 7. Please provide any additional information below.**

**As an attached document, please answer the following questions:**

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

In short, ASCSU and CSUPD are hoping to use ATFAB funds to purchase 6,000 U locks - Maddox 4.5in x 7.4in, 13 mm shackle from Rocky Mounts - that ASCSU will store and distribute in collaboration with Parking and Transportation Services, The Spoke, and CSUPD free of charge to CSU students who register their bikes with CSUPD. When the student registers, CSUPD will provide both the U-lock and information about bike safety and theft prevention when using a U lock with the hope that students will begin locking their bikes properly and more safely which will significantly reduce bike thefts in the future. We want to make this program recurrent so that after about four years of operation, every student with a bike on CSU campus will have a U-lock. According to a study performed by Erika Benti, the Active Transportation Professional with Parking and Transportation Services, "Bike theft is the most common crime on the Colorado State University (CSU) campus, with an average of 190 bikes reported stolen each year. Rates of bike theft are highest in the beginning of the school year and disproportionately impact racks near residence halls, where bikes are parked overnight." At CSU from 2018 to 2021, over 500 bikes were stolen that were collectively valued at over \$350,000, an average of over \$100,000 worth of bikes stolen per year. Data from 2016-2019 show that 70% of bikes reported stolen were NOT secured with u-lock, but rather with a cable lock only (60%), not locked at all (4%), or unknown (5%). Campuses around the nation are starting to require U locks on their campuses, like Denver University who wrote on their website, "Students, staff and faculty often wonder why we require the use of U-Locks. The reason is simple: cable locks are easily cut with basic tools and allow bikes to be stolen in a matter of a few short moments." The current high rate of bike theft makes up 10-15% of all CSUPD cases yearly and removes the opportunity for students to practice using alternative transportation when going to and around campus. As a Platinum Bike Friendly University, we need to make sure people can safely ride their bikes and leave their bikes on campus. Rather than mandating U-locks at CSU like elsewhere, we are hoping that this collaboration will lead to students opting into bike security efforts rather than being forced into them, and this will lead to a campus with significantly fewer bike thefts in the future.

**2. Approximate timeline for the project:**

If this proposal is accepted, the U-locks will be purchased immediately and marketing materials will be created between CSUPD and ASCSU to inform students of this opportunity, especially targeting first year students. Distribution will start Fall of 2022 during Ram Welcome if the U-Locks are purchased by mid to late February 2022. If the U-Lock purchase is delayed, distribution may start mid semester of Fall 2022, or even the start of the Spring 2023 semester.

Following the completion of this first run, any necessary changes will be made to improve the program and another request for U-Locks will be made at that time for the next class of students.

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

Students will be given free U-locks, they will get their bikes registered with CSUPD, and they will have the education necessary to use the locks properly and significantly reduce theft in the future. Users will feel safer biking to campus and leaving their bikes on campus, they will be able to lock their bikes and reduce thefts more confidently, and they will have confidence in using alternative modes of transportation on CSU campus. The whole intention of this project is to protect biking as an effective and reasonable alternative mode of transportation to cars and other vehicles. We want to give students the tools and the confidence that this campus is bike friendly and that their bike is safe here if they follow the right safety measures.

**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/>**

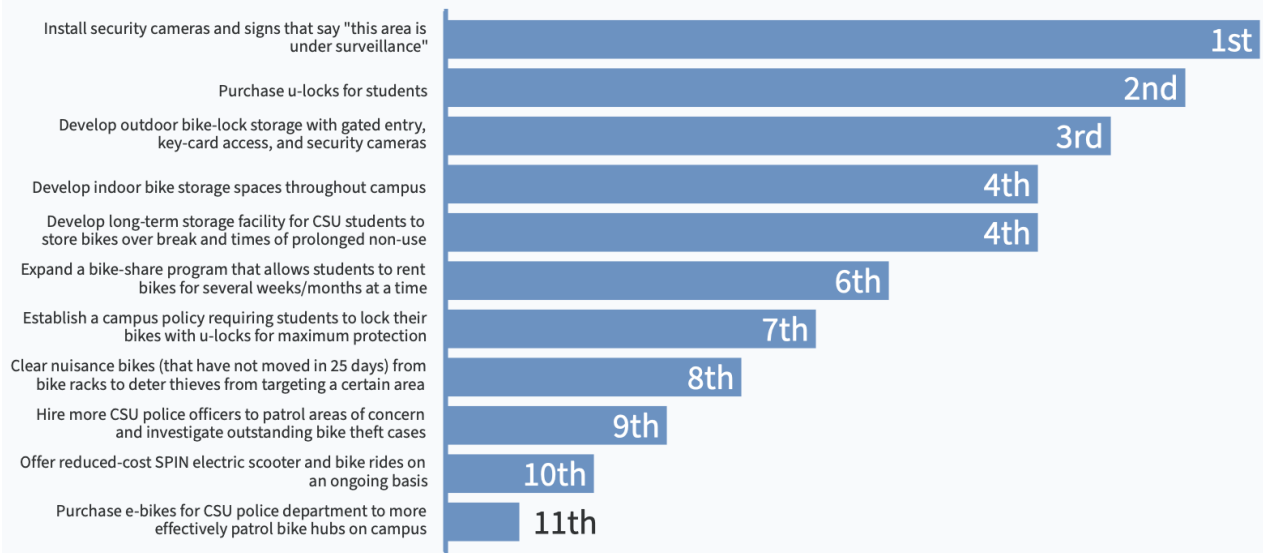
This project was created for CSU students to take control of their bike security and ensure everyone on our campus can protect their bikes as effectively as possible. This project directly provides students U-locks, taking away financial barriers, and it enhances transportation safety by giving students confidence to bike to campus knowing their bike will be adequately secured while they are in a class or doing anything around campus. This project also has the potential to be continued long term with almost no effort necessary aside from purchasing more U-locks. There are no maintenance or construction times and U-locks have long lifetimes. The environmental benefits are significant, where if we can provide students with U-locks and confidence in them, they will opt out of driving cars to campus and opt into biking to campus and around town more. Being given a free lock is a significant motivator to ride a bike. This leads to lower carbon emissions, less traffic and vehicular idling, and fewer car-related accidents. Further, beyond confidence to ride bikes, fewer bikes will be stolen which will then allow students to continue biking. If a student has a bike stolen, odds are they probably won't buy another because they'll assume it will be stolen again. Preventing theft leads to more people having alternative transportation options available.

**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.**

The u-lock proposal emerged from multiple conversations between ASCSU and campus stakeholders, including: The Spoke, CSUPD, Parking and Transportation, and students that have been personally impacted by bike theft. Diane O’Neill’s son, a student at CSU, had his bike stolen this past semester. See the [recording from our conversation](#) with Diane and the taskforce that is working to address this issue. We are performing stakeholder engagement to determine which of the following mitigation policies/strategies the university should pursue. This proposal will be employed alongside these other critical strategies, which we are actively receiving feedback. As highlighted previously, 500 students have been directly impacted by bike theft over the past few years, of the cases that were reported. Bike theft also impacts thousands of students who may choose to bring a bike to campus over concerns of the bike theft culture at CSU. There is wide student support for this endeavor and this proposal is a critical first-step in improving the culture of bike safety at CSU.

## Which strategy should CSU employ to decrease bike thefts?



January 20, 2022. Preliminary data on which strategies the university should employ to combat bike theft. Survey received 29 responses from various campus experts (Parking/Transportation and CSUPD), as well as various CSU student leaders. As shown above, purchasing u-locks was ranked #2 (out of 11).

We will continue to collect quantitative data through January and February by tabling on the LSC plaza and will provide this data when completed. The ASCSU Director of Environmental Affairs, Adam Vance, and the Director of the Student Sustainability Club, Sam Moccia, both expressed support on behalf of their constituents as well.

- 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.**

This project is being spearheaded by ASCSU but was initially thought up by CSUPD in a meeting between ASCSU, the Security and Technology Committee (STC), and CSUPD regarding bike security. The Security Technology Committee expressed interest in this project and CSUPD expressed their desire to implement bike security efforts such as providing students with U-Locks without mandating them. Letter of support from Co-Chair of STC James Graham is attached.

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

As mentioned above, this is only one piece of the bike security puzzle. We need to implement multiple solutions in order to see a real decrease in bike theft. We hope that this project will be recurrent and, compounding with other actions, eventually all CSU students will have effective bike locks and feel comfortable biking on campus.

The longer we take to purchase the bike locks, the more expensive they may be. If we purchase 6,000 immediately (Jan/Feb 2022), it may be \$9.00, but if we wait until March or April, it may be \$9.50 or \$10.00. Below you'll find our justification for why we determined 6,000 bike locks and the Maddox lock specifically. We first determined roughly how many new students CSU will be getting, then we determined what the best quantity and quality would be based on the number of students and the prices provided by manufacturers, wholesalers, and retail distributors.

Lock Type	Retail	JBI (Wholesale)	Direct	Qty Buy - 2000	Qty Buy - 4000	Qty Buy - 6000
Maddox	\$24.95	\$14.99	\$12.50	\$10.00	\$9.50	\$9.00
Shackleton	\$34.95	\$18.99	\$17.50	\$15.00	\$14.50	\$14.00
KryptoLok Combo ULock		\$31.99				
Keeper 12 STD w/ Bracket		\$24.69				
Original Keeper Std. w/ Bracket		\$19.39				

The Maddox lock was determined to be the most cost effective and simultaneously safe for students. Some other locks are considered safer, but we could only buy one quarter to one half of the quantity with the same budget, leaving thousands of students without bike locks, exactly the opposite of our intention of reaching the most students with effective bike locks. This is currently the lock sold at The Spoke and they provided one to CSUPD where they sawed through the Maddox lock in about 1 ½ - 2 minutes. We determined that this amount of time is reasonable for a bike lock to be cut as security cameras and bystanders would most likely catch the act and report it.

Email from Rocky Mounts regarding Freight and timeline for funding:

**From:** Steve Vanica <steve@rockymounts.com>  
**Sent:** Wednesday, January 12, 2022 9:01 AM  
**To:** Reimer, Heather <Heather.Reimer@colostate.edu>  
**Subject:** Re: Shackle Diameter

**\*\* Caution: EXTERNAL Sender \*\***

We would cover the freight to Ft. Collins. I also had a quick conversation with our owner, Bobby, about ricing and we are in the ballpark for sure.

August should be just fine in terms of a time frame. The earlier you can put the order in the better, but at least by March 1st.

Getting the samples sent today as well.

-Steve