



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



**Project Name/Location:** Covered Bus Shelters

Estimated Initial Cost: \$141,943.86 Estimated Recurring Cost (if applicable): \_\_\_\_\_

Funding Request from ATFAB: \$141,943.86 Matching Funds (if applicable): \_\_\_\_\_

**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: David Hansen

Telephone: 970.567.0031

Email Address: david.hansen@colostate.edu

Department: Facilities Management

College or Division: University Operations

**Approvals (Signatures):**

Provost/VP: Lynn Johnson Signature/Date:  Jan 18, 2022

Department Head/Director \*

Name: Thomas Satterly Signature/Date:  Jan 18, 2022

\*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:  Signature/Date: 01/14/2022

**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 project involves infrastructure construction, CSU Facilities must review cost estimates and proposal schedule. Facilities Deadline – Friday December 10<sup>th</sup>, 2021 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.

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

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

The Horn route on the CSU campus was started in the Fall of 2014. Since that time the route has been expanded twice at the request of students who saw the convenience of the route in accessing the campus. The route provides direct access to all resident halls, perimeter parking lots as well as the Veterinary Medical complex on South Campus. Today, the transit stops lack amenities that do exist on some Transfort routes throughout the community. Campus riders have frequently approached Parking and Transportation Services, ASCSU, and Transfort to see if covering campus stops could be a possibility. Likewise the community in general requests this of Transfort as a basic desired amenity. In 2018 ATFAB requested funding from PSFAC for 3 shelters to be installed. These shelters were ultimately funded by Central Administration funding and were installed during the Summer of 2021. Three additional shelters were funded by ATFAB in 2021 and will be installed during the Summer of 2022.

This proposal could specifically provide shelters for as many as 3 additional Horn stops on the Main and South CSU campuses utilizing the standard shelter that we have begun to implement here at CSU.

Each proposed shelter would also include the following:

- Map panel
- LED lighting that is powered via solar panels
- a bench
- trash and recycle containers
- Realtime bus arrival signs- *(These are included in the attached proposed budget unless escalating costs keep these from being attainable).*

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

*If this project was awarded funding:*

- *Project Design development Fall/ Winter 2022*
- *Project installation Spring/ Summer 2023*
  - Purchase and installation time: allow 4-6 months

CSU Facilities Management has been involved with the proposed costs and schedule proposed above.

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

Pre-pandemic statistics from 2019 show the highest ridership for the Horn since the route was established. There were 417,512 boardings with a daily average of 1364 riders. Ridership on the Horn rebounded with the return of students to campus in 2021. Average daily ridership in November hovered around 900 boardings per day.

The Horn is the second most utilized route in the Transfort system second only to MAX. With this magnitude of ridership, users would inevitably be supported along the system with this additional amenity.

Adding shelters to existing stops benefits users in the following manner:

1. Covered transit stops protect riders from weather impacts
2. Serves as an encouragement tool for those reluctant to wait outside for the bus
3. Demonstrates continuity with the Transfort system throughout Fort Collins
4. Supports ADA requirements for transit stops

**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/>**

The majority of ridership on the Horn is that of students thus any amenity that can be added to a stop provides a direct benefit to the student population. Making a more inclusive campus is a goal for all within the community. If stop shelters might promote and support ridership for those with special needs or otherwise, they would also be seen as a benefit. Several routes on campus are also in alignment with other Transfort routes that ASCSU student fees aid in funding. Shelters in some locations will benefit these additional routes.

**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.**

On-board bus rider surveys performed in the past by Transfort have yielded the request for shelters at stops on campus and throughout the community. Shelters are a goal of Transfort throughout their entire system as represented in the current transit master plan. The city has a goal to implement shelters at all of their stops within the next 3 years.

**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.**

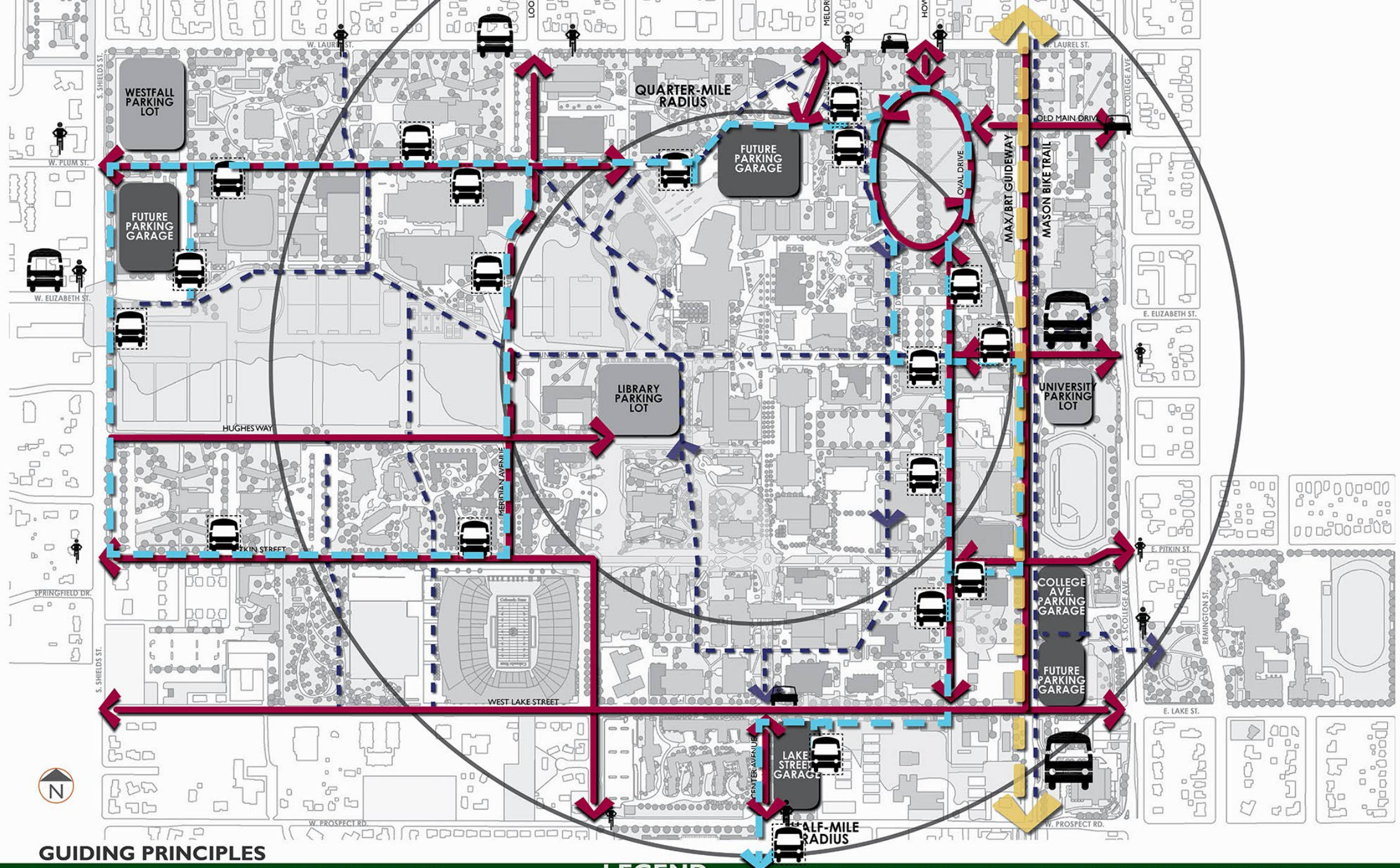
Covered transit shelters are an aspiration of both the University and City of Fort Collins Transportation Masterplans. The shelters were approved by the University Physical development committee in 2019, and were seen as an appropriate and acceptable physical amenity on campus.

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

Within the construction documents of the Biology Building, planning for a covered shelter was considered at the adjacent transit stop and as such a concrete pad already exists. This proposal anticipates the use of this pad in one of the installations, reducing some costs in the attached budget.

Please see attached graphics and cost opinion for additional information.





### GUIDING PRINCIPLES

- Make Campus Permeable to the Community
- Maintain Vehicle Access
- Provide Parking at Campus Edges + Key Internal Locations
- Establish Mass Transit Centers
- Develop Internal Campus Transit
- Maximize Alternative Modes of Transportation

### LEGEND



Pedestrian + Bicycles + Transit + Parking: 35,000 Students  
**MAIN CAMPUS:**  
**FRAMEWORK DIAGRAM**  
 Colorado State University

12-2014





## Current Transfort stop on campus

- Signage
- Bench (*in a few instances*)
- Bike parking via adjacent infrastructure
- Site lighting via adjacent walks & street poles
- Realtime bus information provided via app, texting or QR
- Maintained by Transfort





### **Standard Shelter Details:**

- 4' Deep x 15' Long x 9' Tall
- Bench
- Trash-Recycle Containers
- LED lighting – PV powered

### **Benefits:**

- Protection during inclement weather
- Wind barrier (esp. Foothills Campus)
- Campus wayfinding opportunity
- Commonality in Transfort system branding

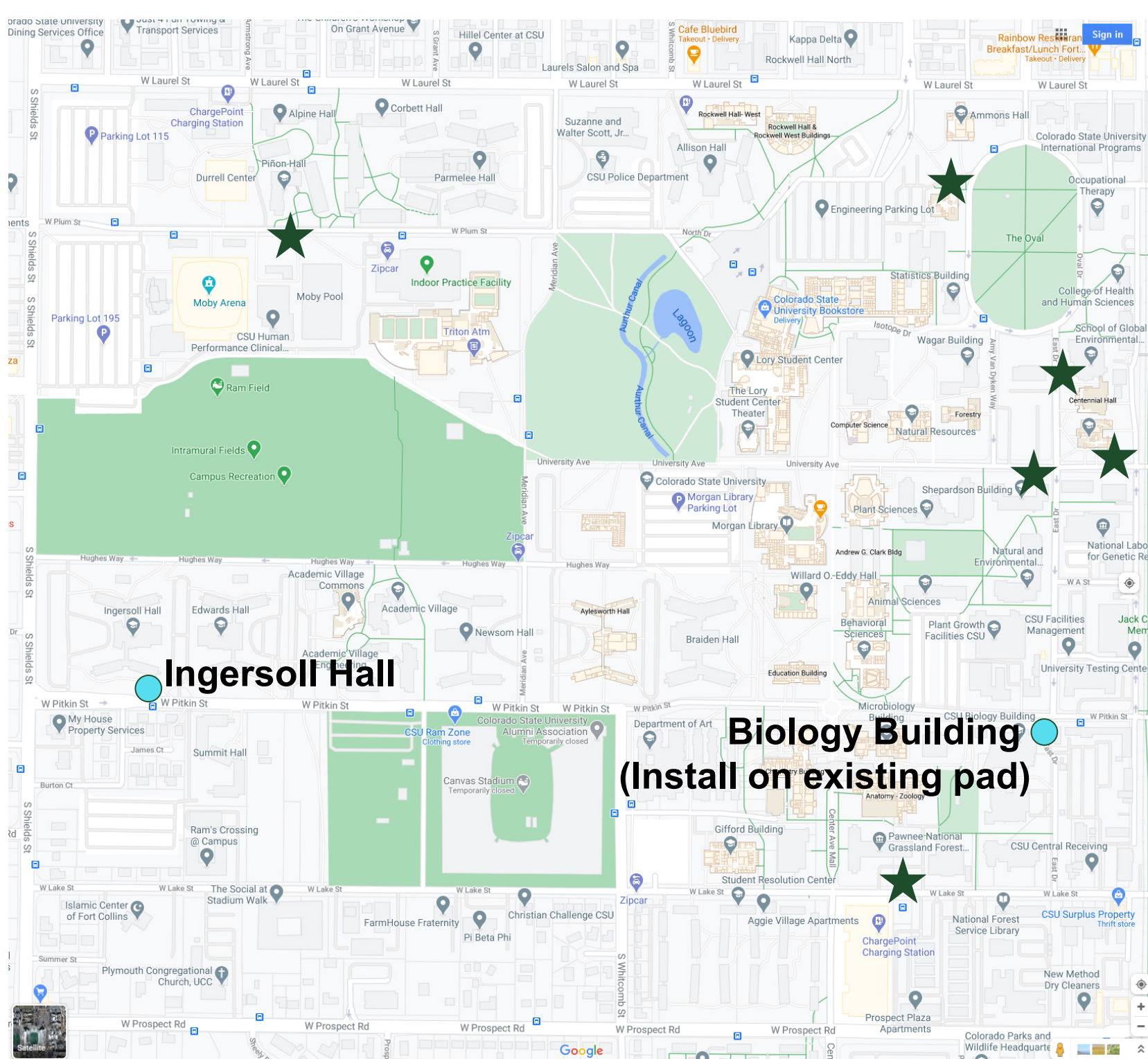
***Transfort system goal to have as many shelters as possible throughout the community for the benefit of their riders.***



### **Realtime Bus arrival information**

- **Low voltage power from solar PV**
- **Cellular communication with Transfort hub**
- **Audible messaging for visually impaired**

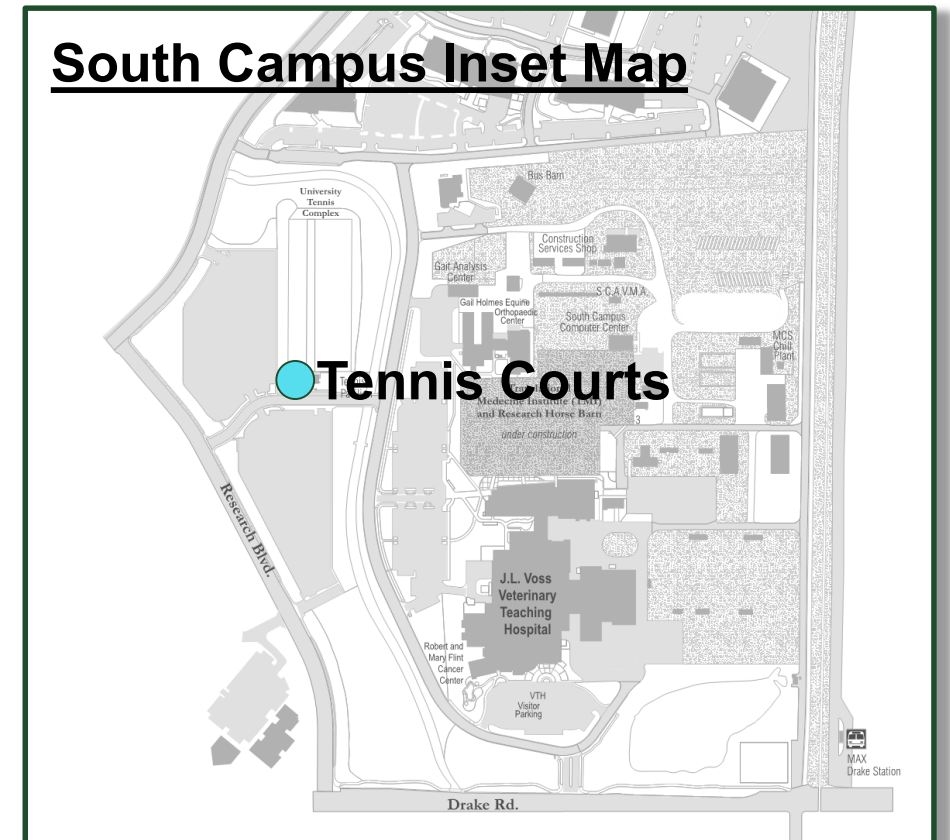




## LEGEND

- **Proposed Covered Shelter Locations**  
(ATFAB Submittal January 2022)
- ★ **Previously funded Shelter Locations**  
(Installation Summer 2021 & Summer 2022 – 6 stops)

### South Campus Inset Map



# REMODEL SERVICES

## BUDGET OPINION

This Budget Opinion is for budgetary purposes only. Prices may change after design is complete

To: David Hansen  
Facilities Management  
567-0031

Date: 01/15/22  
Project #: 210331A  
Customer ID# 6030  
Expiration Date: 04/15/22

P.M.	Phone #	Project title
Colin Glath	567-1625	ATFAB Transit Shelters PH III

[illegible]

This is a preliminary cost evaluation. Estimated pricing is based on currently available pricing information. It is possible that unknown conditions, a more detailed analysis, changes in scope and the bidding process could cause substantial changes in the estimate. Please do not send payment for construction based upon this amount.

Budget Opinion is for this project only and is subject to the conditions noted below:

1. Packing of book shelves or files prior to moving is not included.
2. Asbestos or Lead hazard assessment or abatement is not covered unless stated
3. This quote does not cover the activation of phone and data lines; customer will need to contact Telecom to activate lines

\$ 15,336.05

To proceed please submit a Kuali Transfer of Funds document for the amount shown in red to the right, covering Design fees, Code Review fees, and 1/2 the PM fee. Our account is 7741480 OC 9904; your OC is 9905. For questions with this process, please call our Finance section at 970-566-1497. \*For 53 funds please process a Kuali WOA.

## Thank You For Your Business