Colorado State University
Alternative Transportation Fee Advisory Board
2020-2021 Project Proposal Form

Project Name/Location: **Covered Bus Shelters – Main Campus**

Estimated Initial Cost: _$125,240.14___ Estimated Recurring Cost (if applicable): _____

Funding Request from ATFAB: __$125,240.14 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: Facilities Management

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 8, 2021

Department Head/Director *

Name: T A Satterly Signature/Date: Jan 6, 2021

*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: 1/06/2021

Fill out and return proposal documents via email to ATFAB_CSU@colostate.edu and Aaron.Fodge@colostate.edu Deadline – Wednesday January 20, 2021

If project involves infrastructure construction, CSU Facilities must review cost estimates and proposal schedule. Facilities Deadline – Friday December 18, 2020 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 will be installed during the late Spring of 2021.

This proposal could specifically provide shelters for as many as 3 additional Horn stops on the Main CSU campus utilizing the standard shelter that Transfort uses throughout the community. In nearly all conditions, an additional concrete pad will need to be constructed to accommodate the shelter.

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 2021*
- *Project installation Spring/ Summer 2022*
    - 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. 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 theirs stops within the next 3 years. A previous ATFAB leadership team proposed that shelters be considered as part of a proposal to PASFC. This proposal suggests that students are requesting this infrastructure of ATFAB directly as their representative board. The proposal was ultimately funded and the first 3 shelters will be installed during the Spring of 2021.

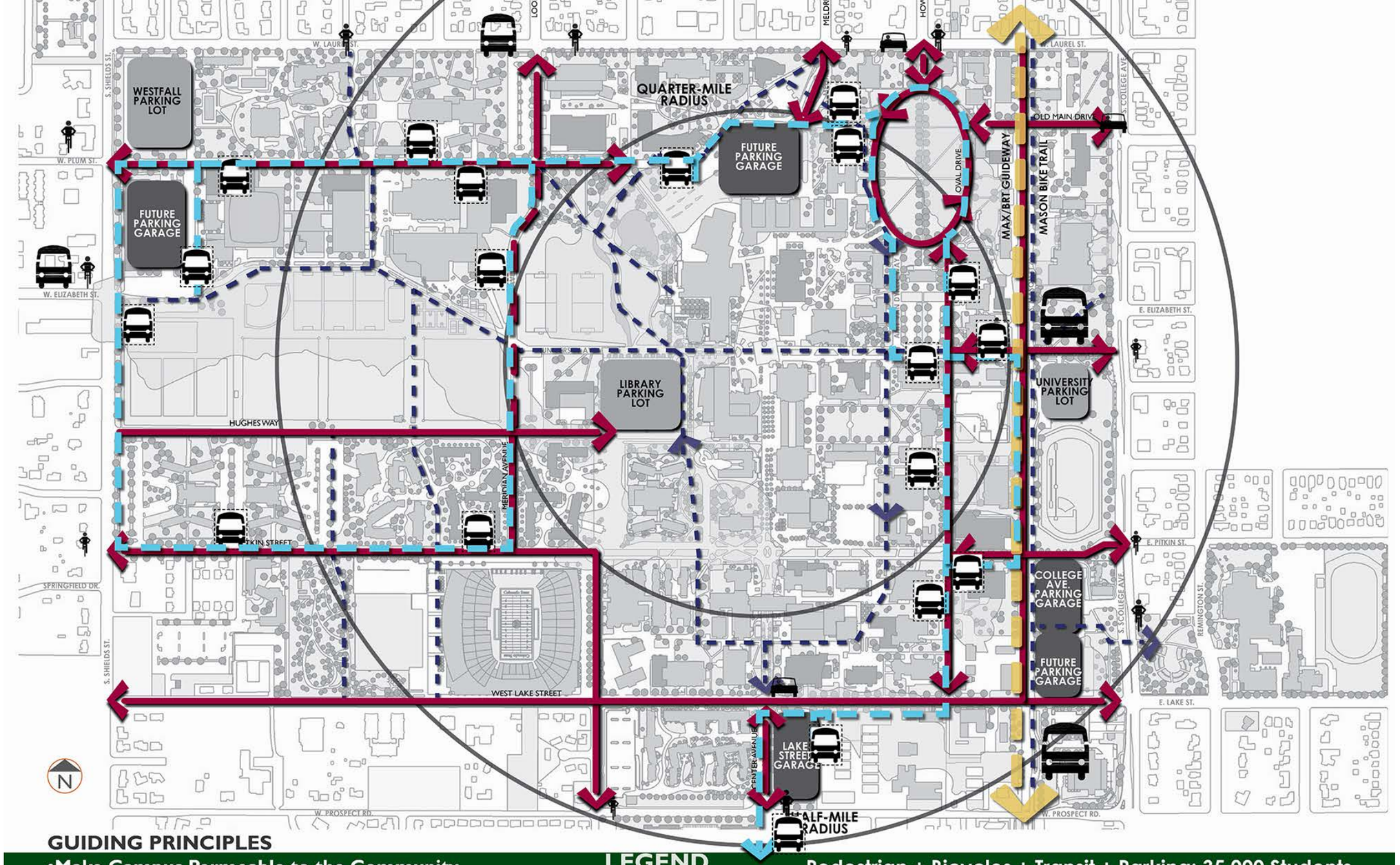
6. Is your project mentioned in any of the CSU Campus Master Plan documents? Have any campus advisory committees discussed this project? It is recommended that you consult an applicable planning or advisory committee for letters of support and advice regarding your proposal. Please attach any documents 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 Nutrien Ag Sciences Building (Shepardson) planning for a covered shelter was considered. During the Spring/ Summer of 2021 concrete flatwork will be installed on the site which includes a pad for a future shelter. This proposal anticipates the use of the pad in one of the installations, reducing some costs in the attached budget.

Please see attached graphics 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

- Bike Path
- Bike Lane
- MAX Bus Rapid Transit
- Around the Horn
- Campus Shuttle

Pedestrian + Bicycles + Transit + Parking: 35,000 Students

MAIN CAMPUS: FRAMEWORK DIAGRAM

12-2014

Colorado State University

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**

<u>Standard Shelter Details</u>:

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

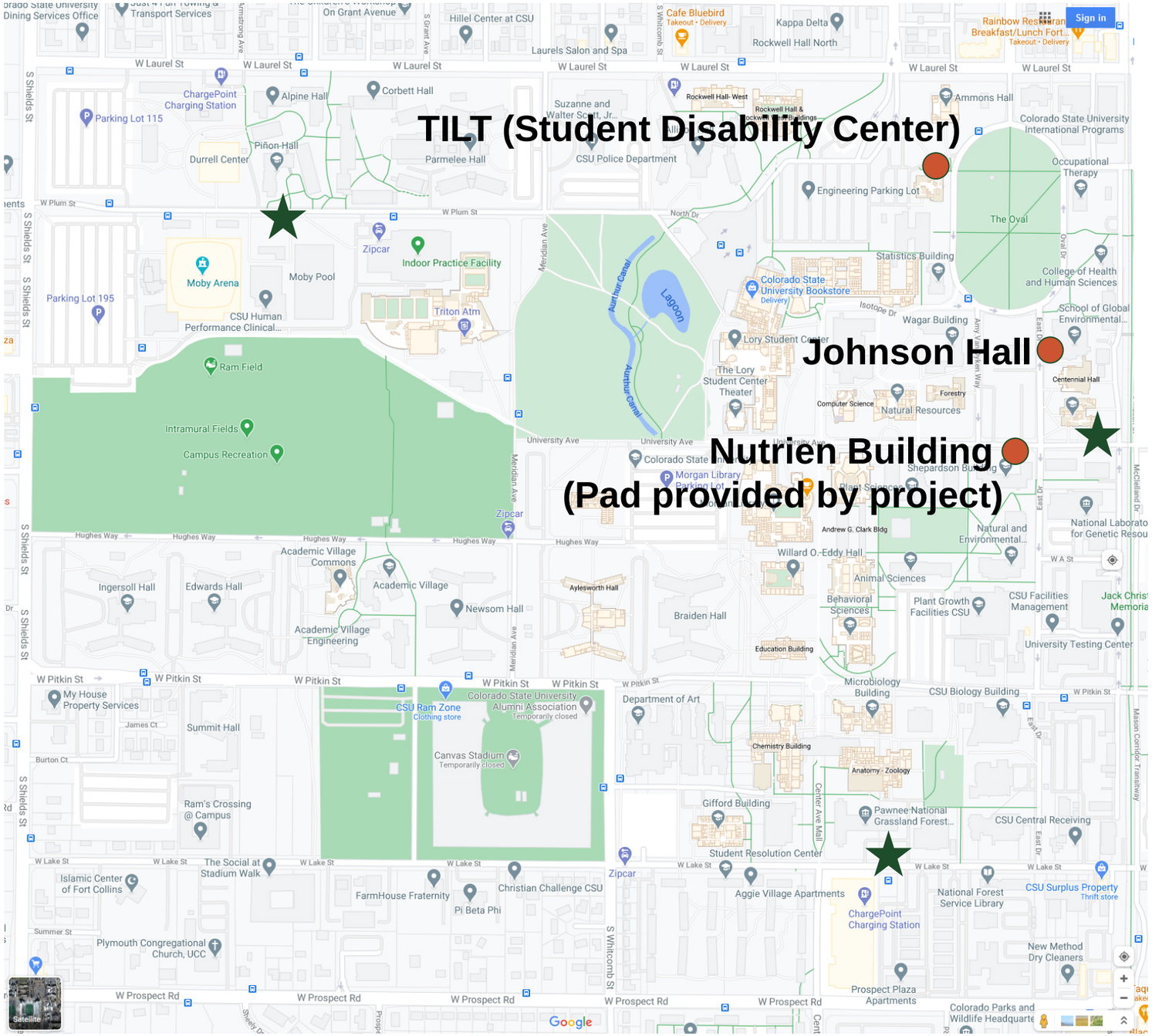
<u>Benefits:</u>

- **Protection during in climate 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 PV**
- **Cellular communication with Transfort hub**



LEGEND

- Proposed Covered Shelter Locations
- ★ Previously funded Shelter Locations (Installation Spring 2021 – 3 stops)

FACILITIES MANAGEMENT
AT COLORADO STATE UNIVERSITY

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: 12/30/20
Project #: 201207A
Customer ID# 6030
Expiration Date: 3/30/2021

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

Quantity	Labor/Material	Description	Unit Price	Less received	Line Total
		Install covered transit shelters at 3 locations on campus. Tilt - Install concrete pad, modify irrigation, install transit shelter. Johnson Hall - Install concrete pad, modify irrigation, install transit shelter. Shepardson - Install transit shelter.			
1.00	Vendor	Allowance to provide transit shelter material for (3) 14' covered non-advertising shelters including aluminum roof panels, perferorated aluminum wall panels, solar panels, lighting and bus time arrival signage	$ 74,222.50		$ 74,222.50
1.00	XDRY	Allowance to assenble and install transit shelters	$ 14,784.00		$ 14,784.00
1.00	XELEC	Allowance to wire and terminate solar panels	$ 1,106.60		$ 1,106.60
1.00	Contractor	Allowance to excavate and install concrete pads for transit shelters	$ 5,030.00		$ 5,030.00
1.00	Contractor	Allowance to relocate irrigation as needed for concrete pad install and touch up landscaping	$ 1,940.00		$ 1,940.00
				Construction Subtotal	$ 97,083.10
				Contingency	$ 9,708.31
				Design Fees	$ 7,766.65
				Third Party Code Review Fees	$ 973.77
				Project Management Fees	$ 9,708.31
				Advertisement Fees	
				Total	$ 125,240.14

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

$ 13,594.57

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

ATFAB-2020-2021-Covered bus shelters proposal

Final Audit Report 2021-01-06

Created:	2021-01-06
By:	Karin Rees (karin.rees@colostate.edu)
Status:	Signed
Transaction ID:	CBJCHBCAABAAKX31t9OKCazBwgRM-cziyf2Wn7eHFRTc

"ATFAB-2020-2021-Covered bus shelters proposal" History

Document created by Karin Rees (karin.rees@colostate.edu)
2021-01-06 - 11:17:52 PM GMT- IP address: 76.25.203.218

Document emailed to Thomas Satterly (Tom.Satterly@colostate.edu) for signature
2021-01-06 - 11:18:58 PM GMT

Email viewed by Thomas Satterly (Tom.Satterly@colostate.edu)
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Thomas Satterly (Tom.Satterly@colostate.edu) has explicitly agreed to the terms of use and to do business electronically with COLORADO STATE UNIVERSITY/RAMTECH
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Adobe Sign

ATFAB-2020-2021-Covered bus shelters proposal - signed

Final Audit Report 2021-01-08

Created:	2021-01-08
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Document created by Karin Rees (karin.rees@colostate.edu)
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