UNIVERSITY of ALASKA
Many Traditions One Alaska

SCHEMATIC DESIGN APPROVAL

Name of Project:	**UAS Technical Education Center Renewal, Phase I**
Project Type:	**Renewal and Replacement**
Location of Project:	**UAS, Juneau Campus, Technical Education Center and Welding Lab, Juneau**
Project Number:	**2013-02**
Date of Request:	**April 15, 2014**

Total Project Cost:	**$4,620,000**	**$1,500,000 (This Phase)**
Approval Required:	**FLMC Chair**	
Prior Approvals:	**Preliminary Administrative Approval**	**June 2012**
	Formal Project Approval	**December12, 2013**

A Schematic Design Approval (SDA) is required for all Capital Projects with a Total Project Cost in excess of $250,000.

SDA represents approval of the location of the facility, its relationship to other facilities, the functional relationship of interior areas, the basic design including construction materials, mechanical, electrical, technology infrastructure and telecommunications systems, and any other changes to the project since formal project approval. Unless otherwise designated by the approval authority or a material change in the project is subsequently identified, SDA also represents approval of the proposed cost of the next phases of the project and authorization to complete the design development process, to bid and award a contract within the approved budget, and to proceed to completion of project construction. Provided however, if a material change in the project is subsequently identified, such change will be subject to the approval process.

Action Requested

The Chair of the Facilities and Land Management Committee approves the Schematic Design Approval request for the University of Alaska Southeast Technical Education Center Renewal, Phase I as presented in compliance with the campus master plan, and authorizes the university administration to complete construction bid documents to bid and award a contract within the approved budget, and to proceed to completion of project construction not to exceed a Total Project Cost of $1,500,000.

Project Abstract

The Technical Education Center Renewal, Phase I, is the first year of a multi-year project of building upgrades to the Technical Education Center and the Welding Lab. Academic programs and curriculum have changed significantly since the Technical Education Center and Welding Lab were put into service in 1984 and 1981 respectively. As a consequence, current programs are not well supported. The Technical Education Center received additions in 1985 and 1992, but neither building has had a major remodel since then. Mechanical and electrical systems in both buildings are largely original. This project began as an expansion of the current diesel technology lab and the project scope has expanded based on the conceptual planning process over the last year.

RATIONALE AND REASONING

Background
The project is phased: 1) to fit within available funds and 2) so that the work can be done during the summer break as the programs have no alternative locations to teach in during the academic year.

Programmatic Need
The Power Technology Program has had a waiting list for many years. Program capacity is limited by the available lab space. Phase I will improve and expand lab space to accommodate 50% more students, removing that constraint on program capacity. Some wood shop equipment used by the Construction Technology Program is unnecessary and can be removed. Reducing the area occupied by wood shop equipment will free up space for classrooms needed in tandem with lab space in accordance with current teaching practices.

Project Scope
In Phase I, the Power Technology Program will receive upgraded space, configured to meet current program requirements. The Center for Mine Training will receive an exhaust system so that generators can be run with the overhead door closed. Failing building equipment and up to 10 existing overhead doors with poor thermal properties will be replaced. Construction Technology Program equipment will be relocated. Phase 1 prepares for but does not require future phases.

Future phases include replacement of additional building equipment systems and components that are nearing the end of their service lives, upgrading building common areas, and upgrading additional program spaces.

Based on the current level of funding and the current construction cost estimate, the scope for this phase would be the base bid plus additive alternate #1. See plan A004.

Project Impacts
Conceptual and schematic design for all phases is complete. Project phasing is tailored to minimize impacts on academic programs. All programs will remain in TEC at full capacity throughout the project. Each phase will be self-contained, though building on previous phases.

Variances
None.

Total Project Cost and Funding Sources

Funding Title	Fund Account	Amount
Phase 1 Funding		
2013 R&R capital	563138	$1,500,000
Phase 1 Project Cost		**$1,500,000**

Annual Program and Facility Cost Projections

Program Costs	Amount
Salaries and benefits for new program Staff and Faculty	unchanged
Program Operational Costs	unchanged
Total Annual Program Cost Increase	unchanged
Facilities Costs:	
Maintenance & Repair	unchanged
Operations	unchanged

Annual O&M Cost	will be reduced
Total Annual Cost Projections	**will be reduced**

Project Schedule – Phase 1

DESIGN	
Conceptual Design	September, 2013
Formal Project Approval	December, 2013
Schematic Design, Phase I	February, 2014
Schematic Design Approval, Phase I	April, 2014
Construction Documents, Phase I	May, 2014
BID & AWARD - Phase 1	
Advertise and Bid	May, 2014
Construction Contract Award	May, 2014
CONSTRUCTION	
Start of Construction	June, 2014
Construction Complete	August, 2014
Date of Beneficial Occupancy	August, 2014
Warranty Period	One year

Project Delivery Method

Design-Bid-Build

Supporting Documents

- One-page Project Budget
- Design Narrative Document
- Drawings
  - Floor Plans

Affirmation

This project complies with Regents Policy, the campus master plan, and the Project Agreement.

Approvals

The level of approval required for SDA shall be based upon the estimated TPC as follows:

- TPC > $4.0 million will require approval by the board based on the recommendations of the Facilities and Land Management Committee (FLMC).
- TPC > $2.0 million but not more than $4.0 million will require approval by the FLMC.
- **TPC > $1.0 million but not more than $2.0 million will require approval by the Chair of the FLMC.**
- TPC ≤ $1.0 million will require approval by the AVP of Facilities and Land Management.

Recommends Approval:

4.23.14

Kit Duke, AVP F&LM — Date

Schematic Design Approval is hereby granted:

May 4, 2014

Fuller A. Cowell, Chair FLMC — Date

This Approval is subject to the following provisions: