



October 2, 2015

Mr. Gene Emmans
Office of Financial Management
Budget Division
Insurance Building (Third Floor)
302 Sid Snyder Avenue NW
P.O. Box 43113
Olympia, WA 98504-3113

Re: 2016 UW Capital Budget Supplemental Request

Dear Gene:

Attached are seven copies of the 2016 UW Capital Budget Supplemental Request for the Office of Financial Management and distribution to legislative staff, executive staff, archives, and the State Library. Per instructions for 2016 supplemental budget submittals, capital budget revisions have also been submitted to OFM using the Capital Budget System (CBS), and have been released for electronic review.

The UW is submitting two capital budget supplemental requests, which affect appropriations for three projects within the CBS. One request is for an adjustment in 2015-17 appropriated funds for the Computer Science & Engineering (CSE) Expansion. The UW requests \$15 million in state bond funds be appropriated for CSE Expansion, and in exchange, \$15 million from the UW Building Account be appropriated for UW Minor Preservation projects as originally requested. The second request is for the appropriation of the remaining \$20.2 million of the total \$46.2 million 2015-17 capital budget request for the Burke Museum. This will ensure the project maintains its momentum to complete on schedule.

Please feel free to contact me at seidj@uw.edu, or 206-616-0590 if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'John Seidelmann'.

John Seidelmann
Director, Capital and Space Planning

Attachments

University of Washington
2016 Capital Budget Supplemental Request

Computer Science & Engineering Expansion Project Number 30000603

The UW requests an adjustment in 2015-17 appropriated funds for the Computer Science & Engineering (CSE) Expansion. The UW requests \$15 million in state bond funds be appropriated for CSE Expansion, and in exchange, \$15 million from the UW Building Account be appropriated for UW Minor Preservation projects as originally requested.

2016 Supplemental Request

2015-17 Appropriation:	\$17,500,000	057 State Building Construction Account (T64)
2015-17 Adjustment:	(\$15,000,000)	064 UW Building Account (T71)
New Appropriation:	<u>\$15,000,000</u>	057 State Building Construction Account
Total:	\$32,500,000	

Minor Capital Repairs – Preservation Project Number 30000604

In exchange for state bond funding for Computer Science & Engineering Expansion, the UW requests \$15 million from the UW Building Account be appropriated for UW Minor Preservation projects as originally requested. This funding is critical for the UW to support repairs and maintenance to aging buildings and infrastructure to ensure building integrity, performance, and health and life safety of their occupants. The UW Building Account is the UW's only reliable source of funds dedicated for preservation of state physical assets, and maintaining the function of these facilities that support the institution's educational mission. Underfunding in this area makes it increasingly difficult for the UW to address its deferred maintenance backlog.

2016 Supplemental Request

2015-17 Appropriation:	\$28,175,000	064 UW Building Account (T49)
New Appropriation:	<u>\$15,000,000</u>	064 UW Building Account
Total:	\$43,175,000	

Burke Museum Project Number 20082850

The UW requests \$20.2 million in state bond funds to fully support the 2015-17 capital budget request of \$46.2 million for the construction of the Burke Museum. With this full commitment of funds, the UW will be able to ensure the project maintains its momentum through construction to deliver a complete and fully functional building on schedule. Waiting until the 2017-19 biennium for the balance of funding would delay the project and increase cost due to escalation.

2016 Supplemental Request

2015-17 Appropriation:	\$26,000,000	057 State Building Construction Account (T78)
New Appropriation:	<u>\$20,200,000</u>	057 State Building Construction Account
Total:	\$46,200,000	

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Capital Project Request
2015-17 Biennium

Version: 04 FY16 Supplemental Capital Request

Report Number: CBS002

Date Run: 10/2/2015 11:17AM

Project Number: 30000603

Project Title: Computer Science & Engineering Expansion

Description

Starting Fiscal Year: 2016

Project Class: Program

Agency Priority: 1

Project Summary

The University of Washington (UW) requests an adjustment in 2015-17 appropriated funds for the Computer Science & Engineering (CSE) Expansion. The UW requests \$15 million in state bond funds (057) be appropriated for CSE Expansion, and in exchange, \$15 million from the UW Building Account (064) be appropriated for UW Minor Preservation projects as originally requested. The CSE project is a top priority for the UW in response to high demand for enrollment and for graduates in UW's Computer Science and Engineering fields.

Project Description

Proposed Project: The project is a 130,000 gross square foot building to create new instructional spaces, undergraduate student spaces, research and educational labs, shops, offices and event spaces for UW CSE. The project will enable further expansion of CSE interdisciplinary collaboration in data-driven discovery, K-12 education technologies, and activities aimed at applying computing to global challenges, such as energy, health, security and privacy, and education.

Opportunity or Problem Driving the Request: UW Computer Science & Engineering program (CSE) is at capacity and cannot accommodate current programmatic needs, let alone the growth needed to meet the documented demands for CSE and STEM professionals. The significant rate of growth at every level is due to the success of UW CSE's cutting-edge instruction and research initiatives that produce highly-skilled and desirable CSE graduates. In the past decade, undergraduate majors in CSE have increased 60 percent, graduate majors increased 55 percent, and annual enrollment in CSE's introductory courses increased by 115 percent. Despite this significant growth in the size of CSE's program, in the last admissions cycle CSE was able to accommodate only 25 percent of the undergraduate applicants due to capacity limitations.

Support Agency and Statewide Results: By providing additional academic space to 1) meet the demand for CSE instruction and 2) grow the CSE program, the proposed project directly supports the *Results Washington* goal of increasing STEM graduates. Another important reason to expand UW CSE is Governor Inslee's top priority is to create an economic climate where innovation and entrepreneurship can continue to thrive and create good jobs in every corner of the state. Because the tech industry is a powerhouse for the state's economy, expanding the number one producer of tech professionals – UW CSE – is a top priority for the UW.

Specific Benefits: A 2011 Higher Education Coordinating (HEC) Board study identified four fields with significant gaps between employer demand and student supply in our state; *Computer Science ranked first* by a large margin. Job growth and high demand is also projected in clean and health-based technologies, and in engineering to support aerospace and aging infrastructure. As a result, a strong research base in CSE is crucial to the state's economy. In addition, more Computer Science majors and improved interdisciplinary computing education and research are needed to support the regional demand for these skills.

Clients Affected: Nationally, 57 percent of all job openings in all STEM fields in the current decade are projected to be in computer science. Washington State's technology sector comprises a robust and evolving set of industries that contribute to achieving the Governor's goal. Washington's tech industry is rooted in the talent and leadership of its residents. For the ongoing success of the UW and the economic success of the state, it is imperative that the UW grow its CSE program to meet these needs.

State Programs or Units of Government Affected: UW CSE is among the top national suppliers of students to leading high-tech firms such as Microsoft, Amazon, Google, countless regional tech firms, and startups. In the course of their education, the majority of CSE undergraduates participate in co-ops or internships. Because Washington State has a vibrant computing industry, more than two-thirds of UW CSE graduates remain in-state. The UW CSE program is engaged in a broad range of research and interdisciplinary initiatives that produce far-reaching educational and economic benefits to the university, region and world.

Impact of State Operating Budget: The project site will be located within close proximity to the Paul G. Allen Center to centralize

Capital Project Request

2015-17 Biennium

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Project Number: 30000603

Project Title: Computer Science & Engineering Expansion

Description

the program and operational needs and may involve decommissioning underperforming/high maintenance temporary trailers. The project will enable approximately 800 additional FTE.

Funding Strategy: The UW requests \$40 million in state funds in the 2015-2017 biennium to complement UW local funded debt and donor fund sources.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

New Facilities/Additions (Major Projects)

Growth Management impacts

The Growth Strategies legislation of 1992 requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the University of Washington acknowledges through the development of the Campus Master Plan. The University has surveyed the wetland areas on campus as required by the Growth Management Act and Governor's Executive Order. Surveys were prepared for use during capital project planning to ensure that wetland resources remain protected. No wetlands or other environmentally sensitive areas are anticipated to be affected by the project.

New Facility: Yes**How does this fit in master plan**

The 2001 Seattle Campus Master Plan was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The proposed project is consistent with the Seattle Campus Master Plan which serves a general regulatory guide to UW campus land use development.

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2015-17 Fiscal Period	
			Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	15,000,000				15,000,000
064-1	UW Building Account-State	(15,000,000)				(15,000,000)
	Total	0	0	0	0	0
Future Fiscal Periods						
		2017-19	2019-21	2021-23	2023-25	
057-1	State Bldg Constr-State					
064-1	UW Building Account-State					
	Total	0	0	0	0	

Schedule and StatisticsStart DateEnd Date

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Capital Project Request
 2015-17 Biennium

Version: 04 FY16 Supplemental Capital Request

Report Number: CBS002

Date Run: 10/2/2015 11:17AM

Project Number: 30000603

Project Title: Computer Science & Engineering Expansion

Schedule and Statistics

	<u>Start Date</u>	<u>End Date</u>
Predesign	10/01/2014	12/01/2014
Design	1/1/2015	6/1/2015
Construction	7/1/2015	6/1/2017

	<u>Total</u>
Gross Square Feet:	130,416
Usable Square Feet:	117,374
Efficiency:	90.0%
Escalated MACC Cost per Sq. Ft.:	479
Construction Type:	Science Labs (teaching)
Is this a remodel?	No
A/E Fee Class:	B
A/E Fee Percentage:	5.96%

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	371,875	0.4%
Construction Documents	2,987,593	2.9%
Extra Services	2,728,983	2.6%
Other Services	2,443,896	2.3%
Design Services Contingency	1,066,810	1.0%
Consultant Services Total	9,149,418	8.8%
Maximum Allowable Construction Cost(MACC)	62,463,253	
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	62,463,253	59.7%
GCCM Risk Contingency	1,411,280	1.4%
GCCM or Design Build Costs	10,602,486	10.1%
Construction Contingencies	3,123,163	3.0%
Non Taxable Items	0	0.0%
Sales Tax	7,372,017	7.1%
Construction Contracts Total	84,972,198	81.2%
Equipment		
Equipment	6,983,400	6.7%
Non Taxable Items	0	0.0%
Sales Tax	618,792	0.6%

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Report Number: CBS002

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Project Number: 30000603

Project Title: Computer Science & Engineering Expansion

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Equipment Total	7,132,392	6.8%
Art Work Total	275,767	0.3%
Other Costs Total	1,185,258	1.1%
Project Management Total	1,885,157	1.8%
Grand Total Escalated Costs	<u>104,600,190</u>	
Rounded Grand Total Escalated Costs	104,600,000	

Operating Impacts

No Operating Impact

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Capital Project Request

2015-17 Biennium

Version: 04 FY16 Supplemental Capital Request

Report Number: CBS002

Date Run: 10/2/2015 10:54AM

Project Number: 30000604

Project Title: UW Minor Capital Repairs - Preservation

Description

Starting Fiscal Year: 2016

Project Class: Preservation

Agency Priority: 2

Project Summary

In exchange for state bond funding for Computer Science & Engineering Expansion, the University of Washington (UW) requests \$15 million from the UW Building Account be appropriated for UW Minor Preservation projects as originally requested. This funding is critical for the UW to support repairs and maintenance to aging buildings and infrastructure to ensure building integrity, performance, and health and life safety of their occupants. The UW Building Account is the UW's only reliable source of funds dedicated for preservation of state physical assets, and maintaining the function of these facilities that support the institution's educational mission. Underfunding in this area makes it increasingly difficult for the UW to address its deferred maintenance backlog.

Project Description

Projects in this category are estimated to cost between \$25,000 and \$2 million and are prioritized as the most urgent of the University's minor capital preservation needs. Sub-projects have been defined within the following broad categories: 1) Building Repair and Renewal, 2) Mechanical and Electrical Systems, 3) Utilities and Site Work, 4) Roads and Pathways 5) Fire and Life Safety Improvements, 6) Data and Communications Infrastructure, 7) Seattle Campus Classroom Improvements, 8) UW Bothell Preservation, and 9) UW Tacoma Preservation. All preservation projects aim to preserve and extend the life of existing campus facilities and their supporting infrastructure systems.

Location

City: Seattle

County: King

Legislative District: 043

Project Type

Facility Preservation (Minor Works)

Growth Management impacts

The Growth Strategies legislation of 1992 requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the University of Washington acknowledges through the development of the Campus Master Plan. The University has surveyed the wetland areas on campus as required by the Growth Management Act and Governor's Executive Order. Surveys were prepared for use during capital project planning to ensure that wetland resources remain protected. No wetlands or other environmentally sensitive areas are anticipated to be affected by the project.

Funding

Acct Code	Account Title	Estimated Total	Expenditures		2015-17 Fiscal Period	
			Prior Biennium	Current Biennium	Reappropriations	New Appropriations
064-1	UW Building Account-State					
064-1	UW Building Account-State	15,000,000				15,000,000
	Total	15,000,000	0	0	0	15,000,000
Future Fiscal Periods						
		2017-19	2019-21	2021-23	2023-25	
064-1	UW Building Account-State					
064-1	UW Building Account-State					
	Total	0	0	0	0	

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Capital Project Request
2015-17 Biennium

Version: 04 FY16 Supplemental Capital Request

Report Number: CBS002

Date Run: 10/2/2015 10:53AM

Project Number: 20082850

Project Title: Burke Museum

Description

Starting Fiscal Year: 2008

Project Class: Preservation

Agency Priority: 3

Project Summary

The University of Washington (UW) requests an additional \$20.2 million in state bond funds to fully support the 2015-17 capital budget request of \$46.2 million for the construction of the Burke Museum. With this full commitment of funds, the UW will be able to ensure the project maintains its momentum through construction to deliver a complete and fully functional building on schedule. Waiting until the 2017-19 biennium for the balance of funding would delay the project and increase cost due to escalation. Designated as the Washington State Museum of Natural History and Culture in 1899, the Burke Museum is responsible for the care of state collections of natural and cultural heritage.

Project Description

The New Burke Museum project will provide a new and larger building to address the limitations and shortcomings of the existing building, constructed in 1962, is a two-story brick building located on the University of Washington Seattle Campus. The current facility does not provide or have adequate: climate controls; meeting facilities; public elevator; storage space for collections and traveling programs; exhibit space; work space; or adequate accessible amenities. In addition to addressing critical collection needs, the project will create an architecturally noteworthy facility that reflects the museum's core institutional values; makes the collections and research accessible and engaging; integrates a cross-disciplinary approach to achieving the museum's vision; and facilitates meaningful visitor engagement with exhibitions, on-site programs, public amenities, and outreach services.

This project is intended to enhance the visitor experience with new exhibit space and new opportunities to view and understand collections based-research in the museum. It will revitalize and renew the existing building to preserve, protect, and support research and public interactions with the collections. The building will provide an opportunity to educate visitors about protecting the natural and cultural heritage of the earth and will achieve Leadership in Energy and Environment Design (LEED) rating of gold or higher.

The new 110,000 GSF building will be 60% larger than the current facility. Exhibits and learning spaces will be integrated with working spaces throughout the museum. Improved labs will serve more students, researchers and artists. Larger collections storage spaces and climate control will ensure the Burke can properly care for the objects. The project will also address issues of long-term flexibility and will implement sustainable design practices to achieve a facility that functions efficiently and can be maintained with limited resources. Demolition of the existing Burke Museum and site restoration of the area east of the New Burke Museum between NE 43rd Street, NE 45th Street, and Memorial Way NE for parking and landscape are now included in the project scope.

Location

City: Statewide

County: Statewide

Legislative District: 098

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

The Growth Strategies legislation requires state agencies to comply with local land use regulations adopted pursuant to the Growth Management Act, which the University of Washington acknowledges through the development of the 2001 Seattle Campus Master Plan which was approved by the Seattle City Council in December of 2002 and by the UW Board of Regents in January 2003. The proposed project is consistent with the Seattle Campus Master Plan which serves a general regulatory guide to UW campus land use development.

Funding

Expenditures

2015-17 Fiscal Period

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Project Number: 20082850

Project Title: Burke Museum

Funding

Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reappropriations	New Appropriations
057-1	State Bldg Constr-State	(4,347,372)		(997,372)	650,000	20,200,000
252-7	HI Ed N-Prop Lcl Cap-Private/Loca					
	Total	(4,347,372)	0	(997,372)	650,000	20,200,000

Future Fiscal Periods

	2017-19	2019-21	2021-23	2023-25
057-1 State Bldg Constr-State	(24,200,000)			
252-7 HI Ed N-Prop Lcl Cap-Private/Loca				
Total	(24,200,000)	0	0	0

Schedule and Statistics

	Start Date	End Date
Predesign	04/01/2008	07/01/2011
Design	12/1/2012	6/1/2015
Construction	7/1/2015	6/1/2017

	Total
Gross Square Feet:	110,000
Usable Square Feet:	76,000
Efficiency:	69.1%
Escalated MACC Cost per Sq. Ft.:	389
Construction Type:	Museums
Is this a remodel?	Yes
A/E Fee Class:	A
A/E Fee Percentage:	10.36%

Cost Summary

	Escalated Cost	% of Project
Acquisition Costs Total	0	0.0%
Consultant Services		
Pre-Schematic Design Services	529,000	0.7%
Construction Documents	144,000	0.2%
Extra Services	1,426,000	1.9%
Other Services	586,685	0.8%
Design Services Contingency	971,038	1.3%
Consultant Services Total	8,401,527	11.2%

Maximum Allowable Construction Cost(MACC) 42,742,230

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Project Number: 20082850

Project Title: Burke Museum

Cost Summary

	<u>Escalated Cost</u>	<u>% of Project</u>
Construction Contracts		
Site work	0	0.0%
Related Project Costs	0	0.0%
Facility Construction	42,742,230	57.0%
GCCM Risk Contingency	846,800	1.1%
GCCM or Design Build Costs	7,094,067	9.5%
Construction Contingencies	4,918,045	6.6%
Non Taxable Items	0	0.0%
Sales Tax	5,282,108	7.0%
Construction Contracts Total	60,883,250	81.2%
Equipment		
Equipment	967,497	1.3%
Non Taxable Items	0	0.0%
Sales Tax	91,206	0.1%
Equipment Total	1,051,266	1.4%
Art Work Total	213,711	0.3%
Other Costs Total	1,657,297	2.2%
Project Management Total	2,792,969	3.7%
Grand Total Escalated Costs	75,000,020	
Rounded Grand Total Escalated Costs	75,000,000	

Operating Impacts

No Operating Impact