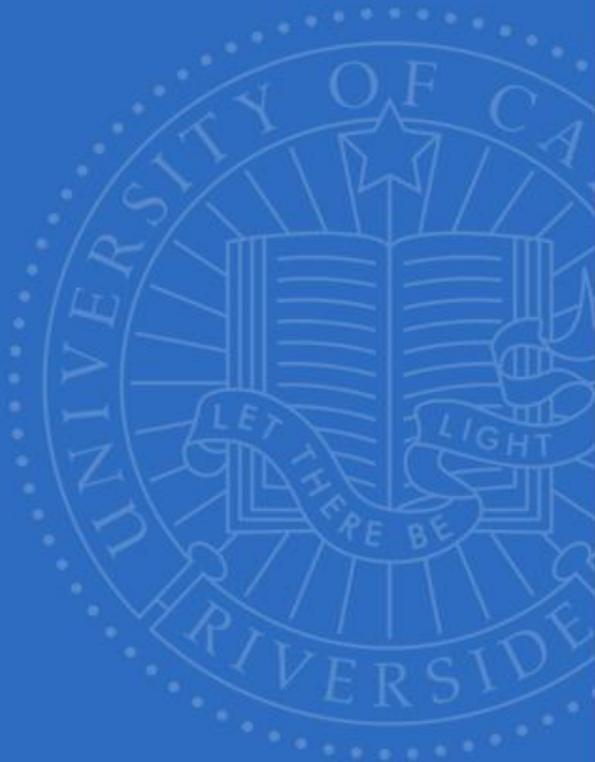


# UCR



## Department Chair Fall Forum

October 3, 2017

UNIVERSITY OF CALIFORNIA, RIVERSIDE

Architects & Engineers

# Construction Future and Present Programs

**Blythe Wilson, Architect**  
**Director of Project Management**

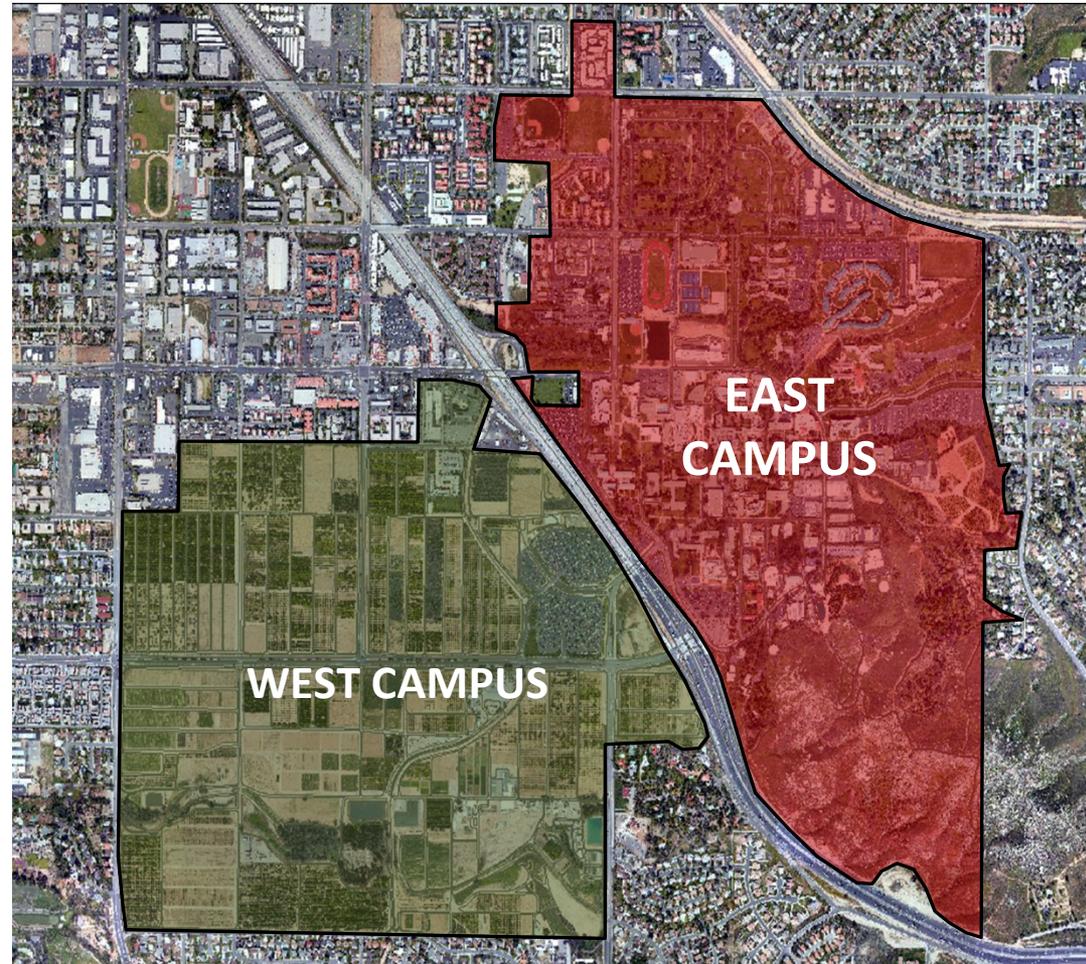
## UC Riverside History



- **1907** - Riverside Citrus Experiment Station, the forbearer of the university opens
- **1948** - Signed legislation authorizes UC to open campuses in Riverside and Davis
- **1952** - UCR holds groundbreaking ceremonies and begins construction of 5 buildings
- **1954** - 125 students and 65 faculty arrive on campus for first day of classes; first 20 students graduate from UCR
- **1959** - UC Regents vote to make UCR a “general” campus

## UC Riverside Today

- 1,127 contiguous acres
- 22,921 students
- 8,686 academic and staff employees
- 6,800 on-campus residents
- Over 7 million square feet in buildings
- Over 10,000 Parking Spaces



# Summary of A&E Capital Project Expenditures 2014-2017

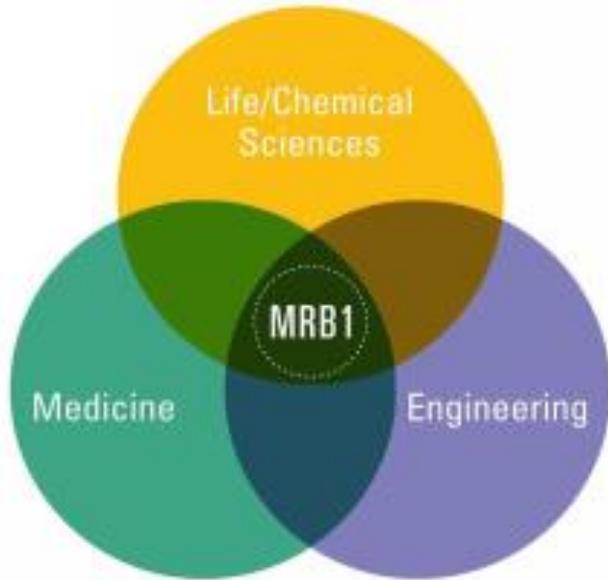
Fiscal Year	# of Capital Projects	Total Capital Project Expenditures
2014-15	55	\$42,422,699.35
2015-16	97	\$29,103,951.28
2016-17	166	\$84,622,647.75

## *Expected Expenditure Next 5 Years*

\$500,000,000 to \$2,500,000,000\*

\*Depends on PPP Portfolio Approval and Completion

# MRB1 Project Data



## PROJECT PROGRAM

Laboratories, Support, Research Offices:	71,021 ASF
Core Laboratories:	15,547 ASF
Conference, Collaboration, Bldg Support	25,341 ASF
<b>TOTAL</b>	<b>111,910 ASF</b>
	<b>179,100 GSF</b>
Additional Shell Space	15,210 ASF

---

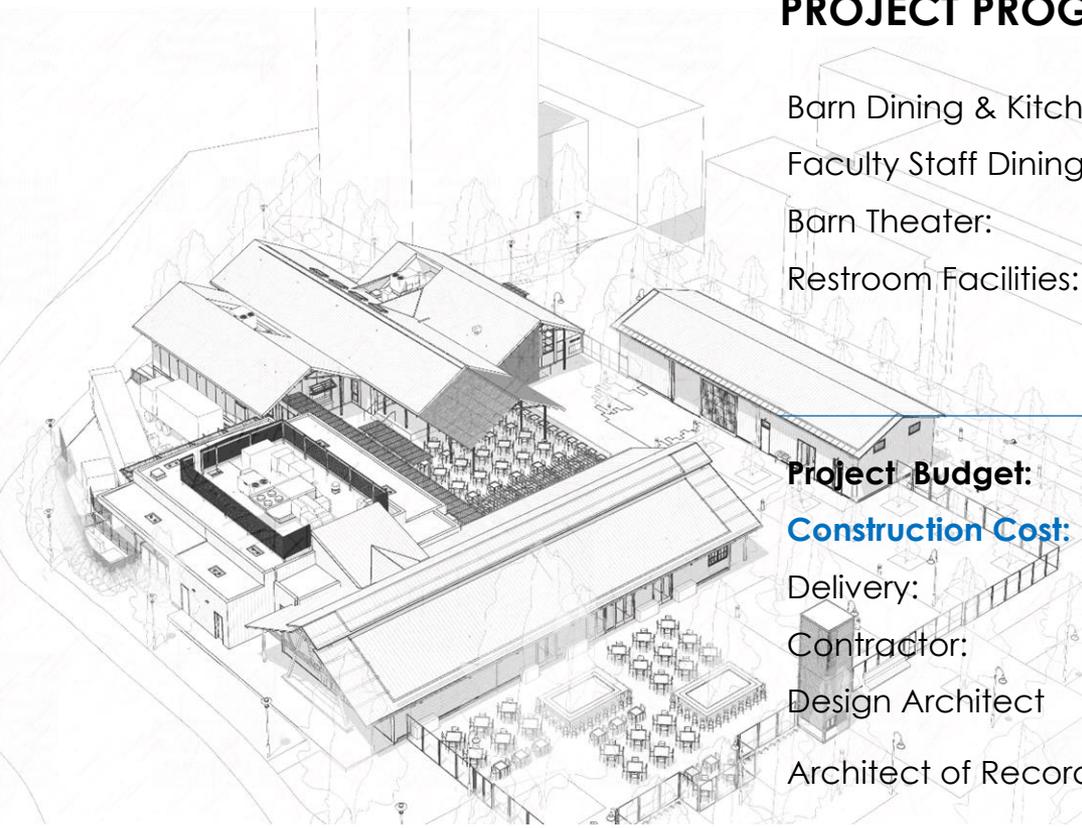
<b>Project Budget:</b>	<b>\$150,000,000</b>
<b>Construction Cost:</b>	<b>\$116,477,000</b>
Delivery:	Design-Build
Contractor:	Hensel Phelps
Architect of Record:	SmithGroup, JJR
<b>Construction Completion:</b>	<b>September 2018</b>
<b>Move-In and Use</b>	<b>Spring 2019</b>

# *MRB1 Project Example*



# Barn Project Data

## PROJECT PROGRAM



Barn Dining & Kitchen Addition:	8,700 SF
Faculty Staff Dining:	3,900 SF
Barn Theater:	1,700 SF
Restroom Facilities:	1,100 SF
<b>TOTAL</b>	<b>15,400 SF</b>

**Project Budget:** **\$28,990,000**

**Construction Cost:** **\$19,300,000**

Delivery: CMAR

Contractor: Tilden-Coil

Design Architect: Fernau & Hartman

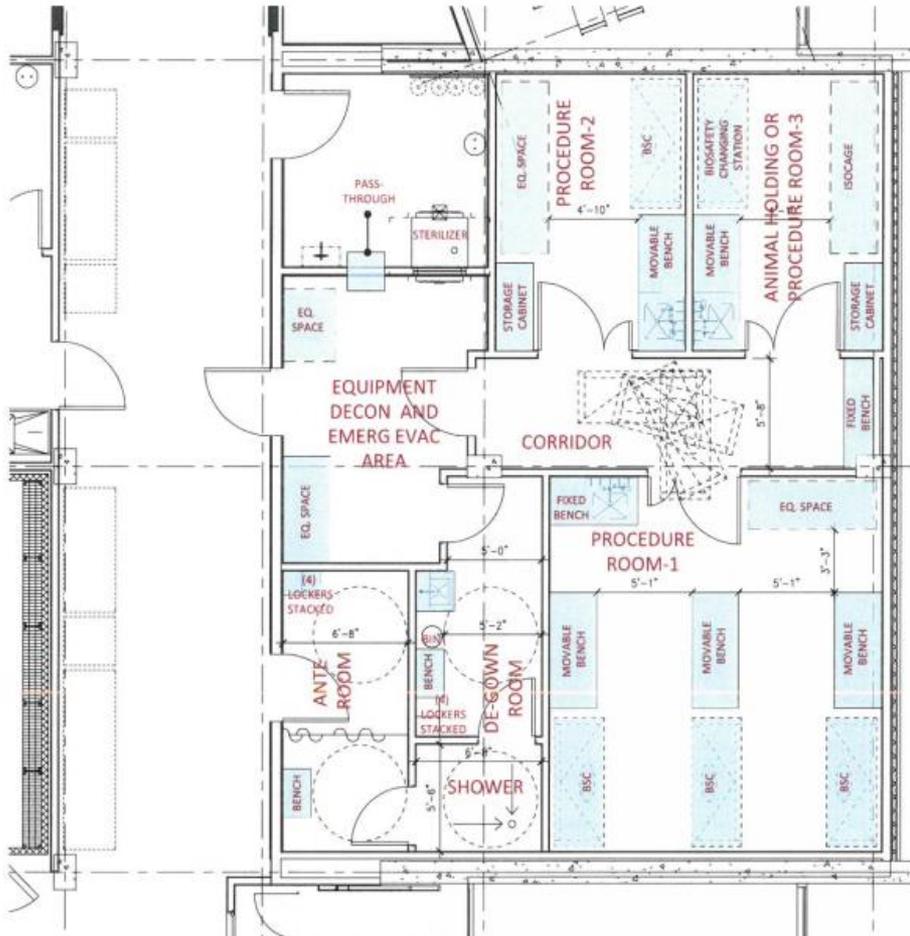
Architect of Record: SVA Architects

**Construction Completion:** **June 2019**

# BARN Project Examples



# Biosafety Laboratory 3



## PROJECT PROGRAM

BSL-3: 1,340 SF  
 3 procedure Rooms

**Project Budget:** \$2,600,000

**Construction Cost:** \$2,000,000

Delivery: Design-Bid-Build

Contractor: BN Builders

Architect of Record: CRB

**Construction Completion:** August 2017

**Commissioning:** October 2017

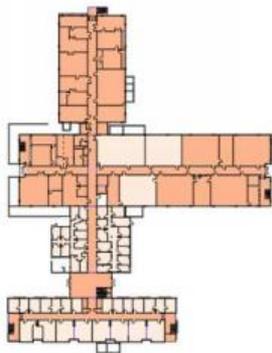
# BSL3 Project Example



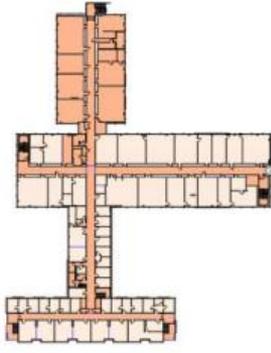
# Pierce Hall Project Data

## PROJECT PROGRAM

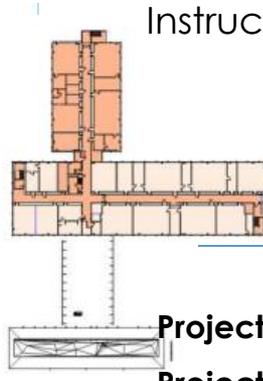
Laboratories, Support, Research Offices:	47,855 ASF
Instructional Laboratories:	18,880 ASF
<b>TOTAL</b>	<b>66,735 ASF</b>
	<b>114,400 GSF</b>



First Floor



Second Floor



Third Floor

**Project Budget MEP Replacement:** **\$34,680,000**

**Project Budget Tenant Improvement:** **\$21,475,000**

**Construction Cost:** **\$44,189,000**

Delivery: CMAR

Contractor: W. E. O'Neil

Architect of Record: RBB Architects

**Construction Completion:** **August 2021**

# Pierce Hall Project Example



# Bachelor Hall Project Data

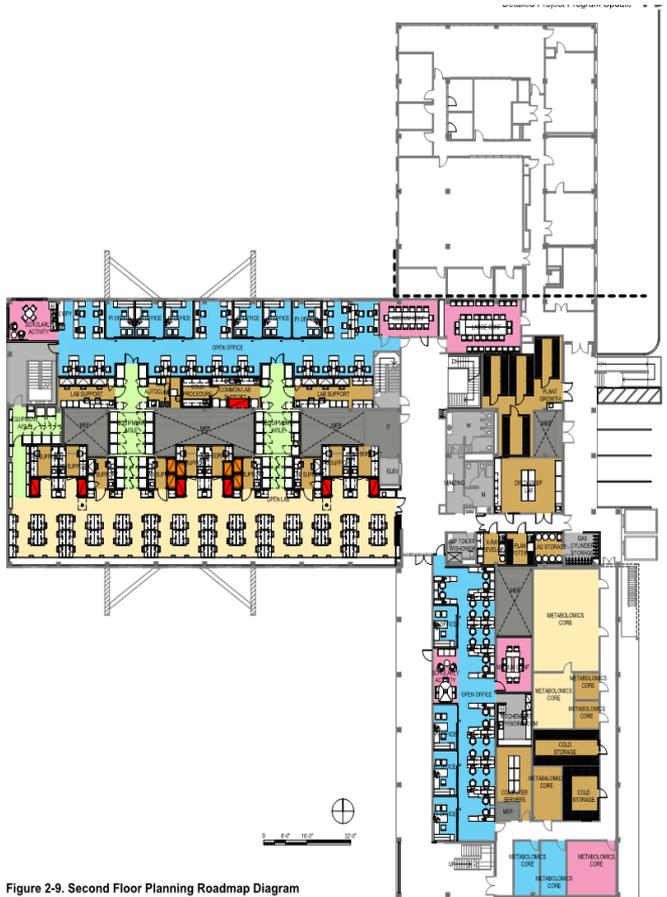


Figure 2-9. Second Floor Planning Roadmap Diagram

## PROJECT PROGRAM

Laboratories, Support, Research Offices:	56,580 ASF
<b>TOTAL</b>	<b>56,580 ASF</b>
	<b>114,848 GSF</b>

<b>Project Budget MEP Replacement:</b>	<b>\$18,179,000</b>
<b>Project Budget Tenant Improvement:</b>	<b>\$ 8,525,000</b>
<b>Construction Cost:</b>	<b>\$ 26,704,000</b>
Delivery:	Design-Bid-Build
Contractor:	TBD
Architect of Record:	HDR Architects
<b>Construction Completion:</b>	<b>April 2020</b>



# Bachelor Hall Project Example



# *Classroom Upgrades Year 1*

- Renovation of 45 Classrooms in 4 Buildings
  - Sproul Hall
  - Watkins Hall
  - Olmsted
  - Life Sciences

# Sproul 2360

Before



After



# Sproul 1102

Before



After



# Watkins 1117

Before



After



# Watkins 1101

Before



After



# Life Sciences 1500

Before

After



# Outpatient Pavilion

## PROJECT PROGRAM



UCR Health Medical, Research Offices:	110,000 ASF
<b>TOTAL</b>	<b>155,000 GSF</b>
<hr/>	
<b>Project Budget (estimated):</b>	<b>\$ 100,000,000</b>
<b>Parking Structure (estimated):</b>	<b>\$ 35,000,000</b>
<b>Construction Cost Outpatient Pavilion:</b>	<b>\$ 80,000,000</b>
<b>Parking Structure Construction:</b>	<b>\$ 28,000,000</b>
Delivery:	P3
Contractor:	TBD
Architect of Record:	TBD
<b>Construction Completion:</b>	<b>Summer 2020</b>

# Student Success Center

## PROJECT PROGRAM

General Assignment Classrooms

Academic Advising, & Student Life: 39,000 ASF

**TOTAL 57,000 GSF**

**Project Budget (estimated):**

**\$ 60,225,000**

**Construction Cost:**

**\$ 45,000,000**

Delivery:

Design-Build

Contractor:

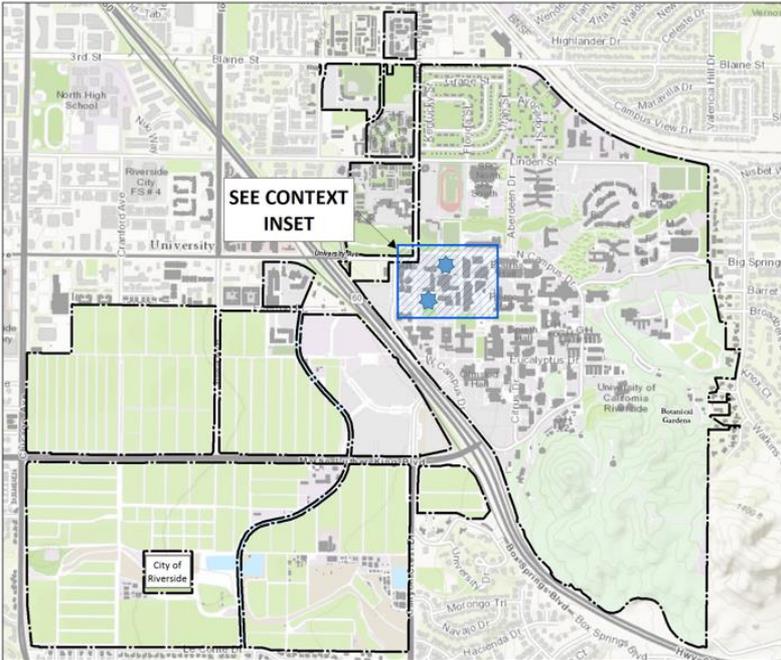
TBD

Architect of Record:

TBD

**Construction Completion:**

**Summer 2021**



Legend

--- UCR Campus Boundary

★ Potential Project Site

# Mobility Hub & Central Campus Neighborhood Improvements

**Project Budget :**

**\$ 15,126,000**

**Construction Cost:**

**\$ 11,630,000**

**Delivery:**

**Design-Bid- Build**

**Architect of Record:**

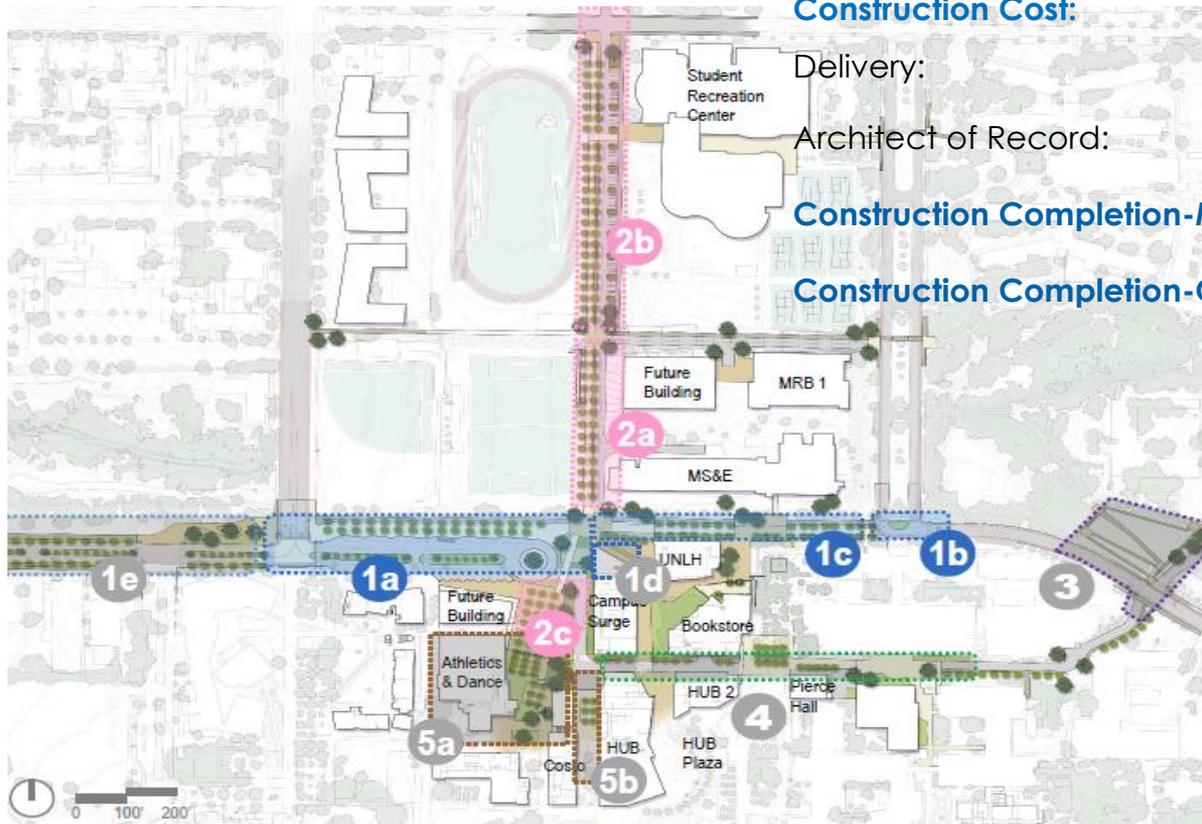
**Gruen Associates**

**Construction Completion-Mobility Hub:**

**June 2019**

**Construction Completion-CCNI:**

**December 2019**



## LEGEND

- 1** Mobility Hub and Aberdeen Intersection
- 2** Recreation Mall
- 3** Student Housing Connection
- 4** Service Drive Improvements
- 5** Athletics & Dance Building and Costo/Highlander Union Building Improvements

# North District Development Project

## PROJECT PROGRAM

Mixed-use, living-learning, multi-phased student housing development:

<b>TOTAL (Est. Phase-I)</b>	<b>600,000 GSF</b>
<b>TOTAL (Est. all Phases)</b>	<b>1,200,000 GSF</b>

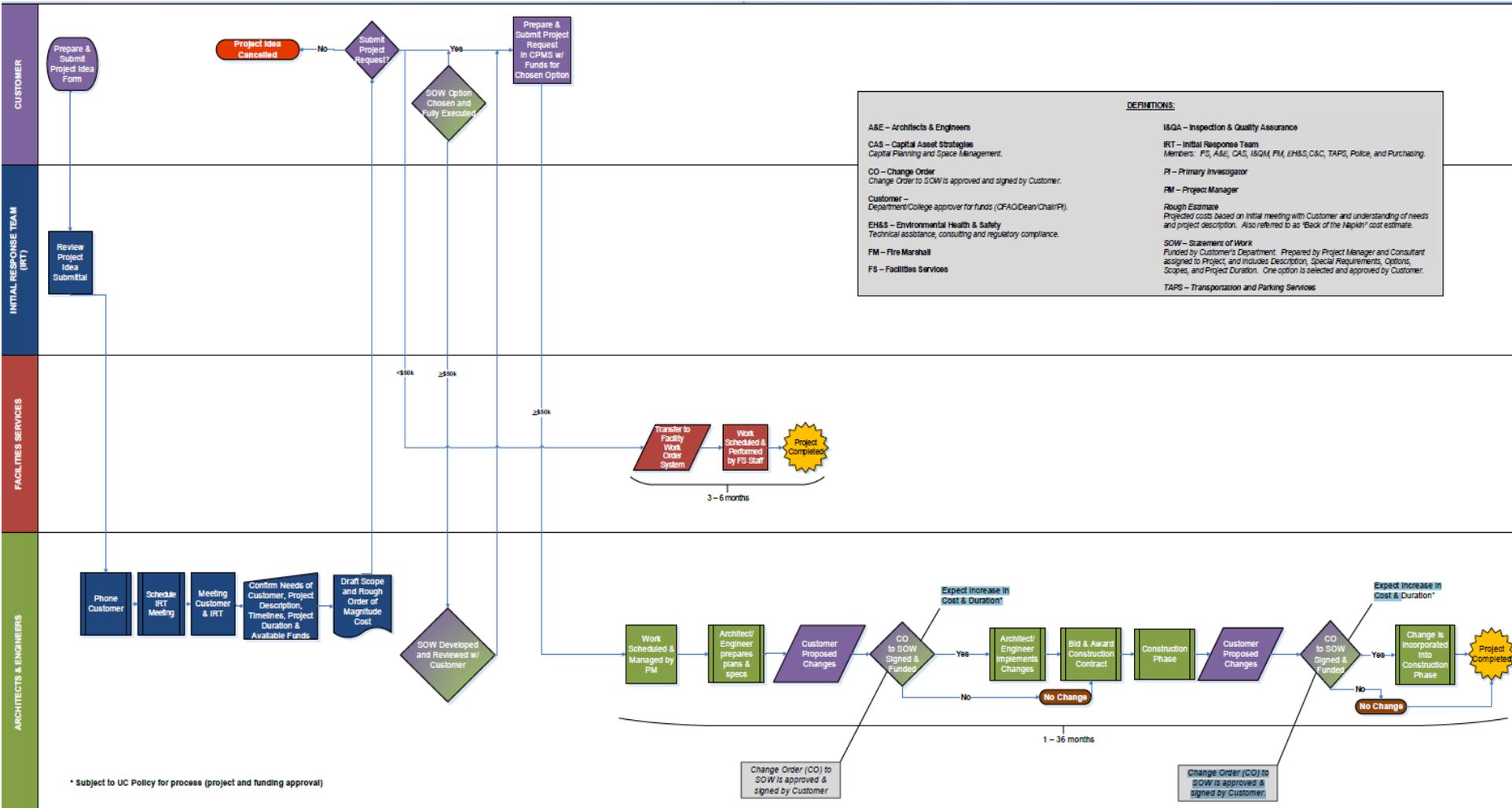


<b>Project Budget (Estimated Phase-I):</b>	<b>\$ 350,000,000</b>
<b>Project Budget (Estimated all phases):</b>	<b>\$ 800,000,000</b>
Delivery:	P3
Developer:	TBD
Contractor:	TBD
Architect of Record:	TBD
<b>Construction Completion (Phase-I only):</b>	<b>Summer 2020</b>

## *Programs Over Next 5 Years*

- North District
- Mobility Hub
- MRB2
- Outpatient Pavilion
- Student Success Center
- Plant Growth Environments Facility
- Various Laboratory Renovations
- New School of Business

# CPMS Project Request Flowchart (Minor Capital Projects)



## *Process Summary*

- Single intake process :Google Form, Rprojects or A&E Website
- Review by Initial Response Team (IRT)  
Determination : Facilities or Capital Programs
- A&E provides rough back of napkin estimate
- Requestor acknowledges and provides direction as to process or not
- Develop Statement of Work (SOW) with project budget and options
- Requestor selects option, and enters into CPMS with requisite funding



## R'Projects: Project Information and Resources

There are several types of projects at the University. Each type of project has requirements for its funding, planning and approval process. It is important to understand what type of project your request will be in order to provide the right information and estimate the timeline required to complete the request.

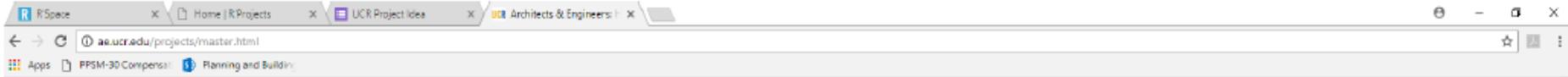
[REQUEST A PROJECT PRIOR TO CPMS](#)

[I HAVE A PROJECT IDEA - HOW DO I SUBMIT MY REQUEST?](#)

[I HAVE A PROJECT IDEA - HOW DO I UNDERSTAND HOW MUCH IT MIGHT COST?](#)

[PROJECTS AND SCHEDULES BY CAMPUS PRIORITY](#)

[CPMS PROJECT REQUEST FLOWCHART](#)



UNIVERSITY OF CALIFORNIA, RIVERSIDE



## Architects and Engineers

UCR Home > Business & Administrative Services > Architects & Engineers > Home

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Search for:

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### Projects

Architects & Engineers (A&E) provides the Riverside campus with a physical environment which supports the teaching, research and public service goals of the university.

- [MRB1 Information](#)
- [Completed Projects](#)
- [Request A Project](#)



MRB1 Live Video Feed

#### General Campus Information

University of California, Riverside  
900 University Ave.  
Riverside, CA 92521  
Tel: (951) 827-1012

- [UCR Library](#)
- [Campus Statue](#)
- [Campus Store](#)
- [Career Opportunities](#)

#### Department Information

**Architects and Engineers**  
1223 University Ave., Suite 240, Riverside,  
CA 92507

Tel: (951) 827-2268  
Fax: (951) 827-2482

Visit UCR's Facebook page

#### Related Links

- [Capital & Physical Planning](#)
- [Facilities Manual](#)
- [Physical Plant](#)



The University of California, Riverside ([www.ucr.edu](#)) is a doctoral research university, a living laboratory for groundbreaking exploration of issues critical to Inland Southern California, the state and communities around the world. Reflecting California's diverse culture, UCR's enrollment has



**UCR Project Idea**

Please answer these questions with as much detail as possible. If you have photos or drawings, or questions, please email them to [AandE.ucr@gmail.com](mailto:AandE.ucr@gmail.com).

\* Required

Email address \*

Your email

First Name \*

Your answer

Last Name \*

Your answer

Office Phone Number \*

Your answer

Mobile Phone Number \*

Your answer

Org Name \*

Your answer

Department \*

Your answer

Project Description \*

Your answer

Desired Timeline \*

Your answer

Target Budget \*

Your answer

Draft Scope \*

Your answer

What is the purpose of this project? \*

Your answer

Does this project request have approval from your department chair? \*

Yes

No

Does this project request have support from the Dean or Dean's delegate? \*

Yes

No

Send me a copy of my responses.

SUBMIT

Page 1 of 1

## ***Continue to Develop Strong External Contractor and Design Workforce***

- Meet with existing contractors and get their input on process improvements
- Develop contractor pool in eastern LA County, northern San Diego County
- Keep Riverside County and San Bernardino County contractor pool strong
- Meet with Consultant regularly and appreciate them but also have hard conversations

# UCR 2020: Path to Preeminence

- Hire 300 new faculty
- Increase extramural grant funding
- Foster interdisciplinary centers
- Optimize organizational structure in support of research & creative activity

## Strategic Goal #1: Academic Excellence

- Grow graduate and professional programs
- Increase graduate student diversity
- Afford undergraduate students opportunities to participate in research

## Strategic Goal #2: Access

- Establish new alliances
- Create meaningful engagement opportunities for faculty & students

## Strategic Goal #4: Engagement

- Promote diversity in research and creative activities.
- Enhance UCR's teaching, research and service endeavors with a focus on sustainable practices
- Enhancing a sense of place

## Strategic Goal #3: Diversity

