



FINAL | November 2015

# Highlander Hall Demolition Project Initial Study/ Mitigated Negative Declaration

Prepared for:  
**University of California - Riverside**

Prepared by:  
**Michael Baker International**



**FINAL**

**INITIAL STUDY/  
MITIGATED NEGATIVE DECLARATION**

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# **Highlander Hall Demolition Project**

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**SCH No. 2015091050**

**LEAD AGENCY:**

**University of California, Riverside**

1223 University Avenue, Suite 200  
Riverside, California 92507

**Contact: Ms. Tricia Thrasher**  
951.827.1484

**PREPARED BY:**

**Michael Baker International**

14725 Alton Parkway  
Irvine, California 92718

**Contact: Mr. Eddie Torres, INCE**  
949.472.3505

November 2015

JN 144698

This document is designed for double-sided printing to conserve natural resources.

## 1.0 Introduction

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## **1.0 Introduction**

The approximate three-acre Highlander Hall Demolition Project (project) site is located on the University of California, Riverside campus (UCR), west of downtown City of Riverside and east of Interstate 215 (I-215)/State Route 60 (SR-60), in Riverside County, California. The site is specifically located at the southwest corner of University Avenue and I-215/SR-60, at 1150 and 1160 University Avenue (Assessor's Parcel Numbers [APNs] 253-050-007 and -006, respectively). The project site is currently developed with two vacant office buildings (Highlander Hall) totaling 61,251 square feet and a recently fire-damaged office building (Human Resources Building) totaling 8,242 square feet. The former Highlander Hall included offices and 96 parking spaces. The Human Resources Building, prior to a recent fire, included offices, a tutorial room, and a conference room. Considering the need to demolish Highlander Hall as a result of a "POOR" seismic rating under current seismic codes and a recent fire at the Human Resources Building, UCR has determined that additional surface parking for existing student, faculty, and staff displaced from other parking areas on campus could be added to this location. The proposed project involves the demolition of 61,251 square feet of vacant office space in the Highlander Hall structures and 8,242 square feet of vacant office space in the Human Resources Building. Upon completion of demolition, the project proposes to construct additional surface parking within a reconfiguration of the existing Parking Lot 50.

In accordance with the California Environmental Quality Act (CEQA) Guidelines, an Initial Study/Mitigated Negative Declaration (IS/MND) has been prepared for the proposed Highlander Hall Demolition Project.

The IS/MND was made available for public review and comment pursuant to CEQA Guidelines Section 15070. The public review commenced on September 18, 2015 and concluded on October 19, 2015. The IS/MND and supporting attachments were available for review by the general public at:

- UCR's Official Website, <http://pdc.ucr.edu/environmental/ceqadocs.html>; and
- UCR Capital Planning, Capital Asset Strategies, 1223 University Avenue, Suite 240, Riverside, CA 92507-7209.

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## 2.0 Response to Comments

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## 2.0 Response to Comments

During the public review period, comments were received on the IS/MND from certain interested public agencies and private parties. The following is a list of the persons, firms, or agencies that submitted comments on the IS/MND during the public review period:

Comment Letter No.	Person, Firm, or Agency	Letter Dated
1	Scott Morgan, Director State Clearinghouse and Planning Unit Governor's Office of Planning and Research	October 20, 2015
Late Letters Received After the Close of Public Review		
2	Mark Roberts, Office Chief California Department of Transportation District 8, Planning	October 21, 2015

Although the CEQA Guidelines do not require a Lead Agency to prepare written responses to comments received (see CEQA Guidelines Section 15088), UCR has elected to prepare the following written responses with the intent of conducting a comprehensive and meaningful evaluation of the proposed project. The number designations in the responses are correlated to the bracketed and identified portions of each comment letter.



Edmund G. Brown Jr.  
Governor

STATE OF CALIFORNIA  
Governor's Office of Planning and Research  
State Clearinghouse and Planning Unit



Ken Alex  
Director

October 20, 2015

Tricia D. Thrasher  
University of California, Riverside  
1223 University Avenue, Suite 240  
Riverside, CA 92507

Subject: Highlander Hall Demolition Project  
SCH#: 2015091050

Dear Tricia D. Thrasher:

The State Clearinghouse submitted the above named Mitigated Negative Declaration to selected state agencies for review. The review period closed on October 19, 2015, and no state agencies submitted comments by that date. This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act.

Please call the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process. If you have a question about the above-named project, please refer to the ten-digit State Clearinghouse number when contacting this office.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Morgan".

Scott Morgan  
Director, State Clearinghouse

1-1

**Document Details Report  
State Clearinghouse Data Base**

**SCH#** 2015091050  
**Project Title** Highlander Hall Demolition Project  
**Lead Agency** University of California, Riverside

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**Type** MND Mitigated Negative Declaration

**Description** The project site is currently developed with two vacant office buildings (Highlander Hall) totaling 61,251 sf and a recently fire-damaged office building (Human Resources Building) totaling 8,242 sf. The former Highlander Hall included offices and 96 parking spaces. The Human Resources Building, prior to a recent fire, included offices, a tutorial room, and a conference room. considering the need to demolish Highlander Hall as a result of a "POOR" seismic rating under current seismic codes and a recent fire at the Human Resources Building, UCR has determined that additional surface parking for existing student, faculty, and staff displaced from other parking areas on campus could be added to this location. The proposed project involves the demolition of 61,251 sf of existing office uses in the Highlander Hall structures and 8,242 sf of existing office uses in the Human Resources Building. Upon completion of demolition, the project proposes to construct additional surface parking within a reconfiguration of the existing Parking Lot 50. The project site is not identified on any lists of hazardous waste sites compiled pursuant to California Government Code Section 65962.5.

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**Lead Agency Contact**

**Name** Tricia D. Thrasher  
**Agency** University of California, Riverside  
**Phone** (951) 827-1484 **Fax**  
**email**  
**Address** 1223 University Avenue, Suite 240  
**City** Riverside **State** CA **Zip** 92507

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**Project Location**

**County** Riverside  
**City** Riverside  
**Region**  
**Lat / Long** 33° 58' 29.80" N / 117° 20' 10.97" W  
**Cross Streets** University Avenue and Iowa Avenue  
**Parcel No.** 253-050-007 and -006  
**Township** 2S **Range** 4W **Section** 30 **Base** SBB&M

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**Proximity to:**

**Highways** I-215 and SR 60  
**Airports**  
**Railways**  
**Waterways** Gage Canal  
**Schools** UC Riverside  
**Land Use** Various

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**Project Issues** Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Drainage/Absorption; Flood Plain/Flooding; Forest Land/Fire Hazard; Geologic/Seismic; Minerals; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Schools/Universities; Septic System; Sewer Capacity; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian; Wildlife; Growth Inducing; Landuse; Cumulative Effects; Other Issues

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**Reviewing Agencies** Resources Agency; Department of Fish and Wildlife, Region 6; Office of Historic Preservation; Department of Parks and Recreation; Department of Water Resources; California Highway Patrol; Caltrans, District 8; Air Resources Board; Regional Water Quality Control Board, Region 8; Native American Heritage Commission

**Document Details Report  
State Clearinghouse Data Base**

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***Date Received*** 09/18/2015      ***Start of Review*** 09/18/2015      ***End of Review*** 10/19/2015

**1. RESPONSES TO COMMENTS FROM STATE OF CALIFORNIA OFFICE OF PLANNING AND RESEARCH, STATE CLEARINGHOUSE, OCTOBER 20, 2015.**

- 1-1 This comment indicates that the State Clearinghouse submitted the Draft EIR to select State agencies for review and that the comment period for the Draft IS/MND concluded on October 19, 2015. The comment indicates that the lead agency complied with the public review requirements for draft environmental documents pursuant to CEQA. As such, the comment does not provide specifics regarding information presented in the Draft IS/MND, and no further response is necessary.

**DEPARTMENT OF TRANSPORTATION**

DISTRICT 8  
 PLANNING (MS 722)  
 464 WEST 4<sup>th</sup> STREET, 6<sup>th</sup> Floor  
 SAN BERNARDINO, CA 92401-1400  
 PHONE (909) 383-4557  
 FAX (909) 383-5936  
 TTY (909) 383-6300  
 www.dot.ca.gov/dist8



*Serious drought  
 Help save water!*

October 21, 2015

Highlander Hall Demolition Project  
 University of California, Riverside  
 Tricia D. Thrasher  
 1223 University Avenue, Suite 240  
 Riverside, CA 92507-7209

UCR CAPITAL PLANNING DATE RECEIVED <u>10-26-15</u>
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TOT

Highlander Hall Demolition Project (RIV 215 PM 41.49)

Ms. Thrasher,

We have completed our review of the Notice of Completion & Environmental Document Transmittal for the above mentioned proposal of the demolition of 61,251 square feet of existing office uses in the Highlander Hall structure and 8,242 square feet of existing office in the Human Resource Building. At completion of demolition, the project proposes to construct additional surface parking within a reconfiguration of the existing Parking Lot 50. Project location is at the southwest corner of University Avenue and Interstate-215/State Route-60.

As the owner and operator of the State Highway System (SHS), it is our responsibility to coordinate and consult with local jurisdictions when proposed development may impact our facilities. Under the California Environmental Quality Act (CEQA), we are required to make recommendations to offset associated impacts with the proposed project. Although the project is under the jurisdiction of the City of Riverside due to the Project's potential impact to State facilities it is also subject to the policies and regulations that govern the SHS.

**2-1**

We recommend the following:

**Traffic**

- Exhibits 4, and 10; all the existing and horizon years turning peak hour volumes need to be balanced. We are aware of the roadway entry and exit points between the studied intersections, but unbalanced vehicles will disappear during the traffic simulation if volumes are not balanced. Therefore volumes must be balanced as part of the post process procedure especially at the on/off ramp intersections.
- Exhibit 10 (Forecast Existing Plus Project Conditions); AM & PM peak hour turning movement volumes have decreased at the several turning legs compared to the existing volumes (see Exhibit 4). Need justification.
- Need to include traffic data for an opening year with and without project conditions.

**2-2**

**2-3**



- At permit application, Developer's Engineer should provide a final drainage report demonstrating that the proposed development will not adversely impact any of Caltrans drainage facilities.

2-4

Prior to your submission for an Encroachment Permit, a follow-up Traffic Study Report letter will be required from the Department of Planning.

2-5

We appreciate the opportunity to offer comments concerning this project. If you have any questions regarding this letter, please contact Talvin Dennis at (909) 806-3957 or myself at (909) 383-4557 for assistance.

Sincerely,



MARK ROBERTS  
Office Chief  
Intergovernmental Review, Community and Regional Planning

**2. RESPONSES TO COMMENTS FROM THE CALIFORNIA DEPARTMENT OF TRANSPORTATION, OCTOBER 21, 2015.**

- 2-1 The traffic count volume differences on University Avenue between the Interstate 215 (I-215) southbound/State Route 60 (SR-60) eastbound ramp intersection and the I-215 northbound/SR-60 westbound ramp intersection are very small. The AM peak hour traffic differences are 20 vehicles in the eastbound direction and 29 vehicles in the westbound direction, which are less than one vehicle every 2 minutes. The PM peak hour traffic differences are one vehicle in the eastbound direction and one vehicle in the westbound direction. From a traffic analysis standpoint, these small traffic volume differences would not substantially affect the level of service results and the traffic simulation results. Both ramp intersections would continue to operate at a Level of Service (LOS) B and C, respectively, and would not cause significant project impact, as shown in Table 4.16-5, Forecast Existing Plus Project Conditions AM and PM Peak Hour Study Intersection LOS, of the Draft IS/MND.
- 2-2 The proposed project would not generate new trips in relation to the University of California, Riverside (UCR) campus operations since the proposed parking lot is intended to accommodate the existing parking demand from displaced parking supply resulting from the removal of existing parking spaces currently located on the main campus areas east of I-215/SR-60. The proposed project is not associated with an increase in land uses or student enrollment because the project would replace existing on-site buildings with a surface parking lot. Therefore, the project results in redistribution of existing traffic that change their destination from the main campus parking areas east of I-215/SR-60 to the project site west of I-215/SR-60, as shown on Exhibit 7, *Forecast Project Trip Redistribution Patterns*, and Exhibit 8, *Existing Trip Distribution Patterns*, of the Traffic Impact Analysis provided in Appendix 8.3, Traffic Impact Analysis, of the Draft IS/MND. With no new project trips, the traffic redistribution would result in a traffic decrease on Campus Drive and University Avenue east of I-215/SR-60.
- 2-3 The “Existing Plus Project” condition is presented in the Draft IS/MND and Traffic Impact Analysis (enclosed in Appendix 8.3, Traffic Impact Analysis, of the Draft IS/MND), as the project only results in redistribution of existing traffic and no additional new traffic increase. As the proposed project would not result in any enrollment increase, no additional traffic growth is expected.
- 2-4 UCR would be required to comply with all standards and regulations should a Caltrans encroachment permit be required.
- 2-5 Refer to Response to Comment 2-4.

### **3.0 Mitigation Monitoring and Reporting Program**



## **3.0 MITIGATION MONITORING AND REPORTING PROGRAM**

### **3.1 INTRODUCTION**

State California Environmental Quality Act (CEQA) Guidelines Section 15097 requires that when a public agency completes an environmental document which includes measures to mitigate or avoid significant environmental effects, the public agency must adopt a reporting or monitoring program for the changes to the project which it has adopted or made a condition of project approval in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program must be designed to ensure compliance during project implementation.

As this analysis is tiered from the Long Range Development Plan (LRDP) EIR and LRDP Amendment 2 EIR, applicable established campus avoidance, minimization, and mitigation measures as contained in the adopted Mitigation Monitoring and Reporting Program (MMRP) for the LRDP EIR and LRDP Amendment 2 EIR to the proposed project. For ease of tracking, the 2005 LRDP EIR Planning Strategies (PSs), Programs and Practices (PPs), and Mitigation Measures (MMs) incorporated by the proposed project have been included in the project MMRP. The UCR Capital Planning office will coordinate monitoring and reporting of the implementation of the MMRP for the proposed project. Monitoring will include: (1) verification that each mitigation measure has been implemented; (2) recordation of the verification and any necessary notations regarding implementation of each mitigation measure; and (3) retention of records in the Highlander Hall Demolition Project Mitigation Monitoring file.

### **3.2 PURPOSE**

A listing of all applicable 2005 LRDP, and LRDP Amendment 2, PSs, PP, and MM incorporated by the project is provided in this MMRP. The objectives of the MMRP for the Highlander Hall Demolition Project include the following:

- To provide assurance and documentation that mitigation measures are implemented as planned;
- To provide information to assist the campus administration in understanding the effectiveness of the adopted mitigation measures;
- To maintain a campus record of compliance with applicable mitigation measures.

The implementation of the mitigation measures applicable to the project shall be performed and monitored by the campus staff, consultants, and appropriate agencies in conjunction with project implementation as follows:

- Development of the design
- Preparation of Construction Contracts
- Construction phase
- Post-construction and project operation

By including both monitoring and reporting provisions, the campus has voluntarily exceeded the minimum requirements of the State CEQA Guideline Section 15097(c), which allows selection of monitoring or reporting, but does not require both.

### **3.3 PROJECT OVERVIEW**

The approximate three-acre project site is located on the University of California, Riverside campus (UCR), west of downtown City of Riverside and east of Interstate 215 (I-215)/State Route 60 (SR-60), in Riverside County, California. The site is specifically located at the southwest corner of University Avenue and I-215/SR-60, at 1150 and 1160 University Avenue (Assessor's Parcel Numbers [APNs] 253-050-007 and -006, respectively). The project site is currently developed with two vacant office buildings (Highlander Hall) totaling 61,251 square feet and a recently fire-damaged office building (Human Resources Building) totaling 8,242 square feet. The former Highlander Hall included offices and 96 parking spaces. The Human Resources Building, prior to a recent fire, included offices, a tutorial room, and a conference room. Considering the need to demolish Highlander Hall as a result of a "POOR" seismic rating under current seismic codes and a recent fire at the Human Resources Building, UCR has determined that additional surface parking for existing student, faculty, and staff displaced from other parking areas on campus could be added to this location. The proposed project involves the demolition of 61,251 square feet of vacant office space in the Highlander Hall structures and 8,242 square feet of vacant office space in the Human Resources Building. Upon completion of demolition, the project proposes to construct additional surface parking within a reconfiguration of the existing Parking Lot 50.

It has been determined that with incorporation of applicable LRDP and LRDP Amendment 2 Planning Strategies (PSs), Programs and Practices (PPs), and Mitigation Measures (MMs), this project would not result in any new significant impacts that are not examined in the UCR 2005 LRDP EIR as supplemented and updated by the UCR 2005 LRDP Amendment 2 EIR or in a significant increase in the previously identified impacts.

### **3.4 RESPONSIBILITIES AND DUTIES**

The Environmental Planning unit of UCR Capital Planning would be responsible for coordinating the reporting of compliance with the mitigation measures listed in this MMRP. These responsibilities include:

- Coordination with UCR Architects & Engineers to ensure that design and construction contracts contain the relevant mitigation measures adopted in the Final IS/MND, and that these mitigation measures are implemented during the design and construction phases of the project.
- Coordination with Project Inspectors to assure compliance and reporting during the construction phase of the project.
- Coordination and assistance to other Campus units and/or Departments with monitoring and reporting responsibilities to ensure that they understand their charge and complete their reporting procedures accurately and on schedule, during construction and on-going project operations.

### **3.5 IMPLEMENTATION AND MONITORING PROCEDURES**

In general, monitoring would consist of the responsible units verifying that the relevant mitigation measures were implemented.

Reporting consists of establishing a record that a mitigation measure is being implemented, and generally involves the following steps:

- Capital Planning distributes reporting forms to the appropriate responsible entity or employs the entity’s existing reporting procedures for verification of compliance.
- Responsible entities verify compliance and document compliance by signing the monitoring form and/or documenting compliance using their own internal procedures when monitoring is triggered.
- Responsible entities provide Capital Planning with verification that monitoring has been conducted and ensure, as applicable, that mitigation measures have been implemented.

The project-specific reporting forms prepared by Capital Planning document the implementation status of the mitigation measures and applicable LRDP measures for the project. Project reporting forms and documentation will be available at Capital Planning, upon request, during normal business hours.

### **3.6 LIST OF APPLICABLE PROJECT-SPECIFIC MITIGATION MEASURES AND LRDP MEASURES**

The following summary table lists the applicable LRDP and LRDP Amendment 2 measures, as well as the timing and responsible entities for their implementation, monitoring, and reporting. It is noted that there are no applicable project-specific mitigation measures required for the proposed project.

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**Table 3-1  
Mitigation Monitoring and Reporting Program**

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
<b>Monitoring Triggers</b> 1. Design stage 2. Construction documents 3. Construction 4. Commencement of occupancy 5. Post-construction 6. On-going through Project operation		<b>UCR Responsible Entities</b> CAS – Capital Asset Strategies A&E – Architects & Engineers TAPS – Transportation and Parking Services Sustainability – Sustainability Office					
<b>Aesthetics</b>							
Substantially degrade the existing visual character or quality of the site and its surroundings.	<u>Applicable LRDP EIR Planning Strategies:</u>  <b>PS Open Space 4.</b> Provide landscaped buffers and setbacks along campus edges, such as Valencia Hills Drive and its extension south of Big Springs Road, Martin Luther King Boulevard, and the I-215/SR-60 freeway.	CAS	1	Once to confirm inclusion in <b>Parking Lot</b> design documents			
	<u>Applicable LRDP EIR Programs and Practices:</u>  <b>PP 4.1-2(b).</b> The campus shall continue to relocate, where feasible, mature “specimen” trees that would be removed as a result of construction activities on the campus. (This is identical to Land Use PP 4.9-1(c).)	CAS	1	Once to confirm inclusion in project design			
Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area.	<u>Applicable LRDP EIR Planning Strategies:</u>  Refer to PS Open Space 4.  <u>Applicable LRDP EIR Programs and Practices:</u>  <b>PP 4.1-1.</b> The campus shall provide design architects with the Campus Design Guidelines and instructions to implement the guidelines, including those sections related to use of consistent scale and massing, compatible architectural style,	A&E	1	Once to confirm in relation to <b>Parking Lot</b> design			

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
	<p>complementary color palette, preservation of existing site features, and appropriate site and exterior lighting design.</p> <p><b>Applicable LRDP EIR Mitigation Measures:</b></p> <p><b>MM 4.1-3(b).</b> All outdoor lighting on campus resulting from new development shall be directed to the specific location intended for illumination (e.g., roads, walkways, or recreation fields) to prevent stray light spillover onto adjacent residential areas. In addition, all fixtures on elevated light standards in parking lots, parking structures, and athletic fields shall be shielded to reduce glare. Lighting plans shall be reviewed and approved prior to project-specific design and construction document approval. (LRDP EIR)</p>	A&E	1, 2	Once to confirm inclusion in <b>Parking Lot</b> design; Once to confirm inclusion in construction documents			
<b>Air Quality</b>							
Conflict with or obstruct implementation of the applicable Air Quality Management Plan or Congestion Management Plan.	<p><b>Applicable LRDP EIR Planning Strategies:</b></p> <p><b>PS Transportation 5.</b> Provide bicycle parking at convenient locations.</p>	CAS, A&E, TAPS	1, 2	Once to confirm inclusion in <b>Parking Lot</b> design; Once to confirm inclusion in construction documents			
	<p><b>PS Transportation 6.</b> Implement parking management measures that may include:</p> <ul style="list-style-type: none"> <li>• Restricted permit availability.</li> <li>• Restricted permit mobility.</li> <li>• Differential permit pricing.</li> </ul>	TAPS	6	Ongoing verification through LRDP monitoring and implementation	N/A	N/A	N/A

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
	<p><b><u>Applicable LRDP EIR Programs and Practices:</u></b></p> <p><b>PP 4.3-2(a).</b> Construction contract specifications shall include the following:</p> <ul style="list-style-type: none"> <li>(i) Compliance with all SCAQMD rules and regulations.</li> <li>(ii) Maintenance programs to assure vehicles remain in good operating condition.</li> <li>(iii) Avoid unnecessary idling of construction vehicles and equipment.</li> <li>(iv) Use of alternative fuel construction vehicles.</li> <li>(v) Provision of electrical power to the site, to eliminate the need for on-site generators.</li> </ul>	A&E	2	Once to confirm inclusion in final bid specifications.			
	<p><b>PP 4.3-2(b).</b> The Campus shall continue to implement dust control measures consistent with SCAQMD Rule 403—Fugitive Dust during the construction phases of new project development. The following actions are currently recommended to implement Rule 403 and have been quantified by the SCAQMD as being able to reduce dust generation between 30 and 85 percent depending on the source of the dust generation. The Campus shall implement these measures as necessary to reduce fugitive dust. Individual measures shall be specified in construction documents and require implementation by construction contractor:</p>	A&E	2	Once to confirm inclusion in final bid specifications.			
	<ul style="list-style-type: none"> <li>(i) Apply water and/or approved non-toxic chemical soil stabilizers according to manufacturer’s specification to all inactive construction areas (previously graded areas that have been inactive for 10 or more days).</li> <li>(ii) Replace ground cover in disturbed areas as quickly as possible.</li> </ul>	A&E	3	Periodic verification during construction.			

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
	<p>(iii) Enclose, cover, water twice daily, or apply approved chemical soil binders to exposed piles with 5 percent or greater silt content.</p> <p>(iv) Water active grading sites at least twice daily.</p> <p>(v) Suspend all excavating and grading operations when wind speeds (as instantaneous gusts) exceed 25 miles per hour over a 30-minute period.</p> <p>(vi) All trucks hauling dirt, sand, soil, or other loose materials shall be covered or maintain at least 2 feet of freeboard (i.e., minimum vertical distance between top of the load and the top of the trailer), in accordance with Section 23114 of the California Vehicle Code.</p> <p>(vii) Sweep streets at the end of the day if visible soil material is carried over to adjacent roads.</p> <p>(ix) Apply water three times daily or chemical soil stabilizers according to manufacturers' specifications to all unpaved parking or staging areas or unpaved road surfaces.</p> <p>(x) Post and enforce traffic speed limits of 15 miles per hour or less on all unpaved roads.</p> <p><b>Applicable LRDP EIR Mitigation Measures:</b></p> <p><b>MM 4.3-1a.</b> For each construction project on the campus, the project contractor will implement Programs and Practices 4.3-2(a) and 4.3-2(b). In addition, the following PM10 and PM2.5 control measure shall be implemented for each construction project:</p> <ul style="list-style-type: none"> <li>Post a publicly visible sign with the telephone number and person to contact at the lead agency regarding dust complaints.</li> </ul>	A&E	2, 3	Once to confirm inclusion in final bid specifications; Periodic verification during construction.			

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
	<p>This person shall respond and take corrective action within 48 hours. The phone number of the District shall also be visible to ensure compliance. (LRDP Amendment 2 EIR)</p> <p><b>MM 4.3-1b.</b> For each construction project on the campus, the University shall require that the project include a construction emissions control plan that includes a comprehensive inventory of all off-road construction equipment, equal to or greater than 50 horsepower, that will be used for an aggregate of 40 or more hours during any portion of the construction project. During construction activity, the contractor shall utilize CARB certified equipment or better for all on-site construction equipment according to the following schedule:</p> <ul style="list-style-type: none"> <li>January 1, 2011 to December 31, 2011: All off-road diesel-powered construction equipment greater than 50 hp shall meet Tier 2 off-road emissions standards. In addition, all construction equipment shall be outfitted with the BACT devices certified by CARB. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 2 or Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations.</li> <li>January 1, 2012 to December 31, 2014: All off-road diesel-powered construction equipment greater than 50 hp shall meet Tier 3 off-road emissions standards. In addition, all construction equipment shall be outfitted with BACT devices certified by CARB. Any emissions control device used</li> </ul>	A&E	2, 3	Once to confirm inclusion in final bid specifications; Periodic verification during construction.			

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
	<p>by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations.</p> <ul style="list-style-type: none"> <li>• Post January 1, 2015: All off-road diesel-powered construction equipment greater than 50 hp shall meet the Tier 4 emission standards, where available. In addition, all construction equipment shall be outfitted with BACT devices certified by CARB. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations.</li> <li>• A copy of each unit's certified specification, BACT documentation and CARB or SCAQMD operating permit shall be provided at the time of mobilization of each applicable unit or equipment.</li> <li>• Encourage construction contractors to apply for AQMD "SOON" funds. Incentives could be provided for those construction contractors who apply for AQMD "SOON" funds. The "SOON" program provides funds to accelerate clean-up of off-road diesel vehicles, such as heavy duty construction equipment. More information on this program can be found at the following website: <a href="http://www.aqmd.gov/tao/implementation/soonprogram.htm">http://www.aqmd.gov/tao/implementation/soonprogram.htm</a>.</li> </ul> <p>The contractor shall also implement the following measures during construction:</p>						

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
	<ul style="list-style-type: none"> <li>Prohibit vehicle and engine idling in excess of 5 minutes and ensure that all off-road equipment is compliant with the California Air Resources Board's (CARB) in-use off-road diesel vehicle regulation and SCAQMD Rule 2449.</li> <li>Configure construction parking to minimize traffic interference.</li> <li>Provide temporary traffic controls such as a flag person, during all phases of construction to maintain smooth traffic flow.</li> <li>Provide dedicated turn lanes for movement of construction trucks and equipment on and off site.</li> <li>Schedule construction activities that affect traffic flow on the arterial system to off-peak hour to the extent practicable.</li> <li>Improve traffic flow by signal synchronization, and ensure that all vehicles and equipment will be properly tuned and maintained according to manufacturers' specifications.</li> <li>Use diesel-powered construction vehicles and equipment that operate on low-NOx fuel where possible.</li> <li>Reroute construction trucks away from congested streets or sensitive receptor areas.</li> <li>Maintain and tune all vehicles and equipment according to manufacturers' specifications.</li> </ul> <p>(LRDP Amendment 2 EIR)</p> <p><b>MM 4.3-1c.</b> To minimize VOC emissions from the painting/finishing phase, for each construction project on the campus, the project contractor will implement the following VOC control measures:</p>	A&E	2	Once to confirm inclusion in <b>Parking Lot</b> construction documents.			

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
	<ul style="list-style-type: none"> <li>Construct or build with materials that do not require painting, or use prepainted construction materials.</li> <li>If appropriate materials are not available or are cost-prohibitive, use low VOC-content materials more stringent than required under SCAQMD Rule 113.</li> </ul> (LRDP Amendment 2 EIR)	Sustainability	6	Ongoing verification through LRDP monitoring and implementation.	N/A		
	<p><b>MM 4.3-2b.</b> UCR shall continue to participate in greenhouse gas (GHG) reduction programs such as the American College and University Presidents' Climate Commitment (ACUPCC) and shall adhere to the UC Policy on Sustainable Practices. The measures adopted by UCR are presented in Tables 4.16-9 and 4.16-10 in Section 4.16 Greenhouse Gas Emissions of the 2005 LRDP Amendment 2 EIR. While these measures are typically targeted at GHG emissions, many act to reduce energy consumption and vehicle use on campus and would consequently also reduce air pollutant emissions from both area and mobile sources. In accordance with the ACUPCC and the UC Policy on Sustainable Practices and through implementation of its Climate Action Plan, UCR shall commit to reducing GHG emissions to 1990 levels by 2020, which would require significant reductions (on the order of 70 percent) from these sources in terms of GHG and therefore reductions in other air pollutants as well. (LRDP Amendment 2 EIR)</p> <p><b>MM 4.3-6.</b> The University will implement Mitigation Measure 4.3-1 which is designed to reduce construction emissions. It will also implement Mitigation Measure 4.3-2b which will reduce air pollutant emissions resulting from traffic and energy consumption during campus operations. (LRDP Amendment 2 EIR)</p>	N/A	N/A	See Previous Listing for individual MMs			



Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
Violate any air quality standard or contribute substantially to an existing or projected air quality violation,	<p><b><u>Applicable LRDP EIR Programs and Practices:</u></b></p> <p>Refer to PP 4.3-2(a) and PP 4.3-2(b).</p> <p><b>PP 4.3-2(c).</b> The UCR shall continue to implement SCAQMD Rule 1403—Asbestos when demolishing existing buildings on the campus.</p> <p><b><u>Applicable LRDP EIR Mitigation Measures:</u></b></p> <p><b>MM 4.3-2.</b> Programs and Practices 4.3-2(a), (b), and (c), or their equivalent, shall be included in construction contract specifications. The contract specifications shall require the use of low NOX diesel fuel and construction equipment to the extent that it is readily available at the time of development. (LRDP EIR)</p> <p><b>MM 4.3-3.</b> To reduce energy consumption and areawide emission of criteria pollutants, the campus shall annually inspect and enforce an emissions reduction control strategy, which may include, where feasible, the following:</p> <p><u>Design</u></p> <ul style="list-style-type: none"> <li>Provide electric vehicle charging systems at convenient location in campus parking facilities.</li> </ul> <p>(LRDP EIR)</p>	A&E	2, 3	Once to confirm inclusion in final bid specifications; Periodic verification during construction.			
Result in a cumulatively considerable net increase of any criteria pollutant for which the air basin is	<p><b><u>Applicable LRDP EIR Programs and Practices:</u></b></p> <p>Refer to PP 4.3-1, PP 4.3-2(a) through PP 4.3-2(c).</p> <p><b><u>Applicable LRDP EIR Mitigation Measures:</u></b></p>						

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
nonattainment under an applicable Federal or State ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors).	Refer to MM 4.3-2 and MM 4.3-3.						
<b>Biological Resources</b>							
Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites.	<p><b>Applicable LRDP EIR Mitigation Measures:</b></p> <p><b>MM 4.4-4(a).</b> Prior to the onset of construction activities that would result in the removal of mature trees that would occur between March and mid-August, surveys for nesting special status avian species and raptors shall be conducted on the affected portion of the campus following USFWS and/or CDFG (now CDFW) guidelines. If no active avian nests are identified on or within 250 feet of the construction site, no further mitigation is necessary. (LRDP EIR)</p>	CAS	3	As needed, prior to start of construction.			
	<p><b>MM 4.4-4(b).</b> If active nests for avian species of concern or raptor nests are found within the construction footprint or a 250-foot buffer zone, exterior construction activities shall be delayed within the construction footprint and buffer zone until the young have fledged or appropriate mitigation measures responding to the specific situation have been developed and implemented in consultation with USFWS and CDFG (now CDFW). (LRDP EIR)</p>	CAS	3	As needed, prior to start of construction.			
Conflict with any local policies or ordinances protecting biological resources, such as	<p><b>Applicable LRDP EIR Planning Strategies:</b></p> <p><b>PS Conservation 1.</b> Protect natural resources, including native habitat; remnant arroyos, and mature trees, identified as in good health as determined by a</p>	CAS, Biologist	1	Compliance established, biological resources			

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
tree preservation policy or ordinance	qualified arborist, to the extent feasible. (LRDP EIR)			report provided in IS/MND.			
<b>Cultural Resources</b>							
Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.	<p><b>Applicable LRDP EIR Programs and Practices:</b></p> <p><b>PP 4.5-4.</b> Construction specifications shall require that if a paleontological resource is uncovered during construction activities:</p> <ul style="list-style-type: none"> <li>(i) A qualified paleontologist shall determine the significance of the find.</li> <li>(ii) The campus shall make an effort to preserve the find intact through feasible project design measures.</li> <li>(iii) If it cannot be preserved intact, then the University shall retain a qualified non-University paleontologist to design and implement a treatment plan to document and evaluate the data and/or preserve appropriate scientific samples.</li> <li>(iv) The paleontologist shall prepare a report of the results of the study, following accepted professional practice.</li> <li>(v) Copies of the report shall be submitted to the University and the Riverside County Museum.</li> </ul>	A&E	2, 3	Confirm inclusion in construction documents; ongoing verification during construction, if required.			
Disturb any human remains, including those interred outside of formal cemeteries.	<p><b>Applicable LRDP EIR Programs and Practices:</b></p> <p><b>PP 4.5-5.</b> In the event of the discovery of a burial, human bone, or suspected human bone, all excavation or grading in the vicinity of the find shall halt immediately and the area of the find shall be protected and the University immediately shall notify the Riverside County Coroner of the find and comply with the provisions of P.R.C. Section 5097 with respect to Native American involvement, burial treatment, and re-burial, if necessary.</p>	A&E	3	Confirm inclusion in construction documents; ongoing verification during ground disturbance phases, if required.			

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
	(LRDP EIR)						
<b>Geology and Soils</b>							
Result in substantial soil erosion or the loss of topsoil.	<p><b>Applicable LRDP EIR Planning Strategies:</b></p> <p>Refer to PS Open Space 4</p> <p><b>PS Conservation 2.</b> Site buildings and plan site development to minimize site disturbance, reduce erosion and sedimentation, reduce stormwater runoff, and maintain existing landscapes, including healthy mature trees whenever possible.</p> <p><b>Applicable LRDP EIR Programs and Practices:</b></p> <p><b>PP 4.6-2(a).</b> This is identical to Air Quality PP 4.3-2(b). (LRDP)</p>	CAS, A&E	1	Once to confirm inclusion in <b>Parking Lot</b> design;			
<b>Greenhouse Gas Emissions</b>							
Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.	<p><b>Applicable LRDP EIR Mitigation Measures:</b></p> <p><b>MM 4.16-1.</b> All projects developed under the amended 2005 LRDP shall be evaluated for consistency with the GHG reduction policies of the UCR CAP and the UC Policy on Sustainable Practices, as may be updated from time to time by the University. GHG reduction measures, including, but not limited to, those found within the UCR CAP and UC Policy identified in Tables 4.16-9 and 4.16-10 shall be incorporated in all campus projects so that at a minimum an 8 percent reduction in emissions from BAU is achieved. It is expected that the GHG reduction measures in the UCR CAP will be refined from time to time, especially in light of the evolving regulations and as more information becomes available regarding the effectiveness of specific GHG reduction measures. As part of the implementation of the UCR CAP, the Campus will also monitor its progress in reducing GHG emissions to ensure it will</p>	Sustainability	6	Ongoing verification through LRDP monitoring and implementation.	N/A	N/A	N/A

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
	attain the established targets. (LRDP Amendment 2 EIR)						
Conflict with an applicable plan, policy, or regulations adopted for the purpose of reducing the emissions of greenhouse gases.	<b>Applicable LRDP EIR Mitigation Measures:</b>  Refer to LRDP Amendment 2 EIR Mitigation Measure MM 4.16-1.						
<b>Hazards and Hazardous Materials</b>							
Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials.	<b>Applicable LRDP EIR Programs and Practices:</b>  <b>PP 4.7-2.</b> The campus shall perform hazardous materials surveys on buildings and soils, if applicable, prior to demolition. When remediation is deemed necessary, surveys shall identify all potential hazardous materials within the structure to be demolished, and identify handling and disposal practices. The campus shall follow the practices during building demolition to ensure construction worker and public safety.	A&E	2, 3	Once to confirm inclusion in construction documents. Periodic verification during construction.			
Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<b>Applicable LRDP EIR Programs and Practices:</b>  Refer to PP 4.7-2.						
Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter	<b>Applicable LRDP EIR Programs and Practices:</b>  Refer to PP 4.7-2.						

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
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mile of an existing or proposed school.							
Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.	<p><b>Applicable LRDP EIR Mitigation Measures:</b></p> <p><b>MM 4.7-7(a).</b> Evacuation zones designated in the UCR Emergency Operations Plan will be avoided, to the extent feasible, when siting construction staging areas. Where evacuation zones cannot be avoided, alternative evacuation zones shall be identified. UCASD and the Riverside Fire Department shall be notified of alternative evacuation zones so that they can respond accordingly to any emergencies. (LRDP EIR)</p>	A&E	2	Once to confirm inclusion in final bid specifications.			
<b>Hydrology and Water Quality</b>							
Violate any water quality standards or waste discharge requirements.	<p><b>Applicable LRDP EIR Programs and Practices:</b></p> <p><b>PP 4.8-1.</b> The campus will continue to comply with all applicable water quality requirements established by the SARWQCB. (This is identical to Utilities PP 4.15-5.)</p>	A&E	2	Once to confirm inclusion in construction specifications.			
Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of stream or river, in a manner, which would result in substantial erosion or siltation on- or off-site.	<p><b>Applicable LRDP EIR Programs and Practices:</b></p> <p><b>PP 4.8-3(c).</b> This is identical to Air Quality PP 4.3-2(b) and Geology PP 4.6-2(a). (LRDP EIR)</p> <p><b>PP 4.8-3(d).</b> In compliance with NPDES, the campus would continue to implement Best Management Practices, as identified in the UCR Stormwater Management Plan (UCR 2003):</p> <ul style="list-style-type: none"> <li>(i) Public education and outreach on stormwater impacts.</li> <li>(ii) Public involvement/participation.</li> <li>(iii) Illicit discharge detection and elimination.</li> <li>(iv) Pollution prevention/good housekeeping for facilities.</li> </ul>	A&E	2	Once to confirm inclusion in construction specifications.			

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
	(v) Construction site stormwater runoff control. (vi) Post-construction stormwater management in new development and redevelopment. (This is identical to Biological Resources PP 4.4-2(b) and Geology and Soils PP 4.6-2(b).)						
Otherwise substantially degrade water quality.	<b>Applicable LRDP EIR Programs and Practices:</b> Refer to LRDP Programs and Practices 4.8-1 and 4.8-3(d).						
<b>Land Use and Planning</b>							
Conflict with applicable land use plan, policy or regulation of an agency with jurisdiction over the project (including but not limited to the general plan, specific plan, coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect.	<b>Applicable LRDP EIR Planning Strategies:</b>  <b>PS Land Use 7.</b> Over time, relocate parking from central campus locations to the periphery of the academic core and replace surface parking with structures, where appropriate.  Refer to PS Open Space 4, PS Transportation 5, and PS Transportation 6.	CAS	1	Once to confirm inclusion in <b>Parking Lot</b> siting & design.			
	<b>Applicable LRDP EIR Programs and Practices:</b>  <b>PP 4.9-1(b).</b> The Campus shall continue to provide design professionals with the 2007 Campus Design Guidelines and instructions to develop project-specific landscape plans that are consistent with the Guidelines with respect to the selection of plants, retention of existing trees and use of water conserving plants were feasible. (This is identical to Aesthetics PP 4.1-2[a].) (LRDP EIR)	CAS	1	Once to confirm inclusion in project design			
<b>Noise</b>							
Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or	<b>Applicable LRDP EIR Programs and Practices:</b>  <b>PP 4.10-7(a).</b> To the extent feasible, construction activities shall be limited to 7:00 a.m. to 9:00 p.m. Monday through Friday, 8:00 a.m. to 6:00 p.m. on Saturday, and no construction on Sunday and national holidays, as appropriate, in order to minimize	A&E	2	Once to confirm inclusion in construction documents.			

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
applicable standards of other agencies.	<p>disruption to area residences surrounding the campus and to on-campus uses that are sensitive to noise. (LRDP EIR)</p> <p><b>PP 4.10-7(b).</b> The campus shall continue to require by contract specifications that construction equipment be required to be muffled or otherwise shielded. Contracts shall specify that engine-driven equipment be fitted with appropriate noise mufflers. (LRDP EIR)</p>	A&E	2	Once to confirm inclusion in construction documents.			
	<p><b>PP 4.10-7(c).</b> The campus shall continue to require that stationary construction equipment material and vehicle staging be placed to direct noise away from sensitive receptors. (LRDP EIR)</p>	A&E	2	Once to confirm inclusion in construction documents.			
	<p><b>PP 4.10-7(d).</b> The campus shall continue to conduct regular meetings, as needed, with on campus constituents to provide advance notice of construction activities in order to coordinate these activities with the academic calendar, scheduled events, and other situations, as needed. (LRDP EIR)</p>	A&E	2	Once to confirm communication prior to commencement of construction activities.			
	<p><b>PP 4.10-8.</b> The campus shall continue to conduct meetings, as needed, with off-campus constituents that are affected by campus construction to provide advance notice of construction activities and ensure that the mutual needs of the particular construction project and of those impacted by construction noise are met, to the extent feasible. (LRDP EIR)</p>	A&E	2	Once to confirm communication schedule.			
Exposure of persons to or generation of excessive groundborne	<p><b>Applicable LRDP EIR Programs and Practices:</b></p> <p><b>PP 4.10-2.</b> The UCR campus shall limit the hours of exterior construction activities from 7:00 a.m. to 9:00</p>	A&E	2, 3	Once to confirm inclusion in			



Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
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vibration or groundborne noise levels?	<p>p.m. Monday through Friday and 8:00 a.m. to 6:00 p.m. on Saturday when necessary. Construction traffic shall follow transportation routes prescribed for all construction traffic to minimize the impact of this traffic (including noise impacts) on the surrounding community.</p> <p><b>Applicable LRDP EIR Mitigation Measures:</b></p> <p><b>MM 4.10-2(a).</b> The campus shall notify all academic and residential facilities within 300 feet of approved construction sites of the planned schedule of vibration causing activities so that the occupants and/or researchers can take necessary precautionary measures to avoid negative effects to their activities and/or research. (LRDP EIR)</p>	A&E	3	<p>construction documents; Ongoing verification during construction.</p> <p>Once to confirm notification prior to commencement of vibration causing activities; Ongoing verification of precautionary measures, if any, during construction.</p>			
A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<p><b>Applicable LRDP EIR Programs and Practices:</b></p> <p>Refer to PP 4.10-2, PP 4.10-7(a) through PP 4.10-7(d), and PP 4.10-8.</p> <p><b>Applicable LRDP EIR Mitigation Measures:</b></p> <p>Refer to LRDP EIR Mitigation Measure MM 4.10-2(a).</p>						
<b>Transportation/Traffic</b>							
Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation	<p><b>Applicable LRDP EIR Planning Strategies:</b></p> <p>Refer to PS Land Use 7 and PS Transportation 6.</p>						

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
					Signature	Date	Remarks
including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit.							
Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<p><b>Applicable LRDP EIR Planning Strategies:</b></p> <p><b>PP 4.14-4.</b> The campus shall provide design architects for roadway and parking improvements with the Campus Design Guidelines and instructions to implement those elements of the guidelines relevant to parking and roadway design.</p>	A&E	1	Once to confirm in relation to <b>Parking Lot</b> design			
Result in inadequate emergency access.	<p><b>Applicable LRDP EIR Mitigation Measures:</b></p> <p>Refer to MM 4.7-7(a).</p>						
<b>Utilities and Service Systems</b>							
Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<p><b>Applicable LRDP EIR Planning Strategies:</b></p> <p><b>PS Conservation 5.</b> Continue to adhere to the conservation requirements of Title 24 of the California Code of Regulations and comply with any future conservation goals or programs enacted by the University of California.</p> <p><b>Applicable LRDP EIR Programs and Practices:</b></p> <p><b>PP 4.15-1(b).</b> To further reduce the campus' impact</p>	A&E	2	Once to confirm inclusion in construction documents.			
		A&E	1, 2	Once to confirm			

Impact	Mitigation Measures	Responsible Entity	Monitoring Triggers	Frequency of Reporting	Verification of Compliance		
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	<p>on domestic water resources, to the extent feasible, UCR will:</p> <ul style="list-style-type: none"> <li>(i) Install hot water recirculation devices (to reduce water waste).</li> <li>(ii) Continue to require all new construction to comply with applicable State laws requiring water-efficient plumbing fixtures, including but not limited to the Health and Safety Code and Title 24, California Code of Regulations, Part 5 (California Plumbing Code).</li> <li>(iii) Retrofit existing plumbing fixtures that do not meet current standards on a phased basis over time.</li> <li>(iv) Install recovery systems for losses attributable to existing and proposed steam and chilled-water systems.</li> <li>(iv) Prohibit using water as a means of cleaning impervious surfaces.</li> <li>(v) Install water-efficient irrigation equipment to local evaporation rates to maximize water savings for landscaping and retrofit existing systems over time.</li> </ul> <p>(This is identical to Hydrology PP 4.8-2(a).) (LRDP EIR)</p> <p><b>PP 4.15-1(c).</b> The campus shall promptly detect and repair leaks in water and irrigation pipes. (This is identical to Hydrology PP 4.8-2(b).) (LRDP EIR)</p>	TAPS/Grounds	6	<p>inclusion in <b>Parking Lot</b> design; Once to confirm inclusion in construction documents, if needed.</p> <p>Ongoing verification through LRDP monitoring and implementation.</p>	N/A		
Encourage the wasteful or inefficient use of energy.	<p><b><u>Applicable LRDP EIR Planning Strategies:</u></b></p> <p>Refer to PS Conservation 5.</p> <p><b><u>Applicable LRDP EIR Programs and Practices:</u></b></p> <p>Refer to PP 4.15-1(b) and PP 4.15-1(c).</p>						

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