Initial Study

2016 Master Plan

California State University, San Bernardino

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Lead Agency
The Board of Trustees of the California State University;
California State University, San Bernardino

Consultant to Lead Agency
WSP | Parsons Brinckerhoff

Initial Study

1. **Project Title:** California State University San Bernardino 2016 Master Plan

2. **Lead Agency Name and Address:** The Board of Trustees of the California State University;
California State University, San Bernardino
5500 University Parkway
San Bernardino, CA 92407-2393

3. **Contact Person and Phone Number:** Hamid Azhand, Director
Facilities Planning, Design and Construction
(909) 537-5136

4. **Project Location:** California State University San Bernardino, Main Campus, San Bernardino, San Bernardino County

5. **Project Sponsor's Name and Address:** Same as Lead Agency

6. **Campus Master Plan Designation:** Various academic, student housing, sport and recreation, support, administrative, and other designations

7. **Project Description:** The project is the adoption and implementation of the California State University San Bernardino main campus (CSUSB) 2016 Master Plan. The current Master Plan provided for campus facilities accommodating up to 20,000 full-time equivalent (FTE) students. The 2016 Master Plan provides a framework for implementation of the University's goals and programs, by identifying needed facilities and improvements to accommodate a gradual growth in student enrollment projected to reach 25,000 FTEs by 2035.

   University Objectives: The main objective of the Master Plan is to guide the development of the campus over the next 20 years to accommodate gradual student enrollment growth while enhancing the quality of campus life. To do so, the Master Plan creates a physical campus environment that facilitates the CSUSB's ability to achieve the following objectives:

   - Support students, faculty and staff with appropriate teaching, research and administrative facilities
   - Serve as a regional center for intellectual, cultural, and life-long learning
   - Reinforce the University's active learning focus by providing opportunities for interactions and collaborations among students, faculty, staff and the greater community
   - Support the creation and maintenance of residential and non-residential learning communities on the campus, including the accommodation of smaller learning communities within a variety of campus spaces such as the Pfau Library, classroom/laboratory buildings, the Santos Manuel Student Union, and the Commons

- Support the creation of a range of student learning/research/incubator type spaces through public-private and public-public partnerships
- Where appropriate, offer student learning and community-oriented/outreach programs in University-controlled centers off the main CSUSB campus
- Reinforce positive intrinsic features of the CSUSB campus including views to the San Bernardino Mountains, the signature campus gateway/quad lawn, and physical connections with surrounding neighborhoods and facilities
- Make efficient use of developable campus land and preserve a balance between built-up areas and open space
- Create a series of campus outdoor spaces framed by buildings and protected from extremes of sun and wind that facilitate student interaction, student learning and passive recreation
- Provide appropriate facilities for informal and organized recreation and intercollegiate athletics
- Serve as an accessible, safe and attractive campus for students, staff, faculty and the community;
- Provide for a range of ways for students and the community to access the campus and its facilities including public transportation and distance learning
- Through a comprehensive approach to sustainability, maintain CSUSB's stewardship of campus landscape and natural resources
- Conserve natural resources while creating and fostering an environmentally, socially, and economically sustainable physical and operational campus
- Create and foster campus facilities that efficiently utilize university human, natural, and financial resources
- Provide for correctly sized and oriented Teaching Resource Center (TRC) to accommodate the range of faculty needs

Project Characteristics: The Master Plan capitalizes on the most vivid, character-defining attributes of the campus - its regal setting at the base of the San Bernardino Mountains and its extensive and well-cared-for landscape setting, and creates a long range plan for strategic infill within the existing campus to accommodate future growth. This approach avoids campus sprawl, reduces pedestrian travel distances, and creates smaller, more human open spaces all connected by a network of shaded, activated pedestrian walkways and paths.

The Master Plan also makes use of some existing surface parking lots for new building sites and proposes other building sites that are currently occupied by facilities that already have or will reach the end of their useful lives within the Master Plan's planning horizon. As illustrated in Figures 1 and 2, this new strategic infill approach provides for the use of the existing campus land to accommodate all needed facilities while preserving campus open space, and utilizes new buildings to frame smaller, more intimate courtyards and open spaces and ultimately create a denser, more walkable and collegial campus environment while at the same time reinforcing existing land uses.

To achieve this, the Master Plan incorporates a series of key features that will transform the campus in a phased manner over the next 20 years. These key features were formulated and designed in response to Master Plan objectives and specific needs identified

throughout a comprehensive Master Plan development process guided by a Master Plan Steering Committee representing faculty, administration, students and staff, and by input from the campus community and stakeholders through an extensive series of Town Hall meetings.

With the key features, the Master Plan:

- Locates all new academic facilities to infill along the main campus pedestrian spine ("Coyote Walk") to reinforce this area as the “heart” of the campus.
- Encourages multi-disciplinary shared academic buildings to accommodate future advances in specific program growth and new education/teaching approaches and strategies.
- Creates two campus housing villages and provides for student apartments to encourage a more 24/7 campus environment within the campus core to integrate campus life and activities.
- Transforms "Sycamore Walk" to become the "residential street" within the campus linking all residential villages and the academic core.
- Provides new strategically located parking structures positioned at the terminus of all primary pedestrian pathways to facilitate the transition from parking into the campus.
- Redefines and enhances the main campus gateway through redirection of parking entries to reduce vehicle congestion; and new signage, landscape, and housing to enhance the campus entry identity.
- Enhances campus Athletics, Student Recreation, and Kinesiology facilities to include college level baseball and softball fields, soccer fields, expanded tennis courts, basketball courts, and a stadium.
- Provides a series of sustainability initiatives that will make responsible use of campus resources and conserve water and energy.
- Preserves the "Land Lab" area between the San Bernardino Mountains and the campus used extensively by faculty and students for research, and to provide a buffer or firebreak for the threat of brush fires from the mountain environment.
- Addresses near term space needs through more efficient use of existing campus space.

These Master Plan features are integrated with and connected through an enhanced campus open space network, clear pedestrian/bicycle circulation system, and a peripheral system of structured and surface parking. The Master Plan also reinforces the current location of the transit center at the main campus entry.

Figure 1 illustrates the Master Plan and Figure 2 illustrates planned uses for all new buildings included in the Master Plan.

Illustrative 2016 Master Plan
Figure 1

Master Plan New Facilities
Figure 2

Legend

- Physical Education
- Assembly & Exhibit
- Student Support
- Instructional
- Library, Media & Collaborative
- Physical Plant
- General Administration
- Housing
- Residential Halls
- Residential Suites
- Apartments
- Lodging
- Discovery/Innovation Park
- Under Development
- 5-min Walking Radius

8. Surrounding Land Uses and Setting: The CSU San Bernardino 441-acre campus is located at the base of the San Bernardino Mountains, and is separated from the existing surrounding residential development to the south, west, and east by Northpark Boulevard. Northpark Boulevard also provides access to the campus from I-215 freeway.

9. CSU and Other Public Agencies whose approval will be sought:

- CSU Board of Trustees
  Approval and adoption of the Campus Master Plan

- City of San Bernardino
  Approval of any improvements within the City rights-of-way
  Approval of new connections and/or increase in quantity of water delivery to campus, as needed

- San Bernardino County Sanitation District
  Approval of new connections and/or increase in quantity of wastewater, as needed

- Division of State Architect
  Approval of accessibility for future facilities

- State Fire Marshall
  Fire safety review and approval of future facilities and improvements

- Others, as may be necessary

Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☒	Aesthetics	☐	Agriculture and Forestry Resources	☒	Air Quality
☒	Biological Resources	☐	Cultural Resources	☒	Greenhouse Gas Emissions
☐	Geology /Soils	☐	Hazards & Hazardous Materials	☒	Hydrology / Water Quality
☐	Land Use / Planning	☐	Mineral Resources	☒	Noise
☐	Population / Housing	☒	Public Services	☐	Recreation
☒	Transportation/Traffic	☒	Utilities / Service Systems	☒	Mandatory Findings of Significance

Determination

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☒ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Hamid U. Azhand Signature Hamid U. Azhand	9/26/2016 Date

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS -- Would the project:				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?	☐	☐	☐	☒
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	☐	☐	☒	☐
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☒	☐	☐	☐
a through c. New development pursuant to the Master Plan 2035 will be located within the interior of the campus and primarily out of sight of the adjacent street and off-campus uses to the south and west. The new campus facilities will infill the existing campus core, with no potential to obstruct views to the San Bernardino Mountains to the north of the campus. Overall, implementation of the Master Plan is anticipated to improve the visual and aesthetic character of the campus through preservation and enhancement of open space, targeted infill development, and innovative design. However, since the new facilities will create additional lighting at the campus, this issue will be addressed in the EIR.				
II. AGRICULTURE AND FOREST RESOURCES: In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement technology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined in Public Resources section 4256) or timberland zoned Timberland Production (as defined by Government Code section 51104(g)?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒
a through e. The campus does not contain farmland or forest land. No property under Williamson Act contract or land designated as forest land exists on the campus. Future development pursuant to the Master Plan will not involve any changes to the existing environment that could result in conversion of farmland or forest land to other uses. No adverse impact will result and these issues will not be addressed in the EIR.				
III. AIR QUALITY -- Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☐	☒
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	☐	☐	☒	☐

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	☒	☐	☐	☐
d) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
e) Create objectionable odors affecting a substantial number of people?	☐	☐	☐	☒
a. The implementation of the Master Plan will not conflict with nor obstruct the implementation of the South Coast Air Quality Management Plan. The Master Plan will not create additional regional growth but accommodates the projected growth in student enrollment caused by the regional population, housing, and employment growth. The Air Quality Management Plan is based on these regional growth projects and the implementation of the Master Plan at the campus will not affect these regional projections. In addition, the Master Plan includes additional student housing that will have a beneficial effect of reducing vehicular commute trips to and from the campus, as well as energy conservation initiatives, and thus reducing vehicular and stationary emissions.				
b through d. Accommodating the projected growth in student enrollment on the campus pursuant to the Master Plan, even with the provision of additional student housing on campus, has the potential to generate additional vehicular trips that produce exhaust emissions, and short-term emissions associated with development of new facilities and improvements. These issues will be addressed in the EIR.				
e. The campus development and operations are not associated with the generation of objectionable odors that could affect a substantial number of people. No adverse impact will result.				
IV. BIOLOGICAL RESOURCES -- Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☒	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or US Fish and Wildlife Service?	☐	☐	☒	☐

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d) 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?	☐	☐	☐	☒
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒
a through f. The Master Plan provides a new strategic infill approach to the long-term campus development which utilizes the existing campus land to provide all needed facilities while preserving campus open space, including the continuing preservation of the Badger Hill natural area. As no new development within undeveloped natural land that could potentially affect sensitive species or habitats is anticipated to occur pursuant to the Master Plan, no significant impact is anticipated. Nonetheless, since some new facilities are planned at the edges of the developed campus, these of issues will be further addressed in the EIR.				
V. CULTURAL RESOURCES -- Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	☐	☐	☒	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☐	☐	☒
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☐	☒

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☐	☒

a through d. There are no known historic resources within the campus and therefore, the Master Plan is not anticipated to result in a significant impact to such resources. However, since the Master Plan will result in removal and/or replacement of some functionally obsolete facilities, including the Administration building and the Chaparral and Sierra Halls that were built in mid-1960s as temporary facilities, this issue will be addressed in the EIR.

No known paleontological or archaeological resources are located on campus. The potential for uncovering such significant resources is considered remote, given that no such resources have been discovered during prior development activity within the campus, and that the Master Plan consolidates new facilities and development within the developed campus area. While the potential for uncovering such significant resources is considered remote, in an unlikely event that such resources are discovered during project construction, compliance with existing laws and regulations will ensure no significant impact. These laws and regulations include: (1) stopping work in the event that a paleontological resource is discovered until a qualified paleontologist can visit the site and assess the significance of the potential paleontological resource.; (2) the paleontologist will then conduct on-site paleontological monitoring, including inspection of exposed surfaces to determine if fossils are present, and (3) if fossils are present, the monitor will have the authority to divert grading away from exposed fossils temporarily in order to recover the fossil specimens. In addition, in an unlikely event that containing human remains are inadvertently discovered during construction, compliance with existing laws and regulations will ensure no significant impact. These laws and regulations include: (1) ceasing construction in the vicinity of the discovery or any nearby area, and (2) immediately notifying the Los Angeles County Coroner's Office. Furthermore, if the county coroner determines that the remains are Native American, then (1) contacting the Native American Heritage Commission within 24 hours, (2) the Native American Heritage Commission will then designate a most likely descendent who may make recommendations concerning the disposition of the remains and associated grave goods in consultation, and (3) if the Native American Heritage Commission is unable to identify a most likely descendant or if the most likely descendent failed to make a recommendation within 24 hours, reburying the remains and associated grave goods on the property in a location that will not be disturbed. Compliance with these existing laws and regulations will ensure a less than significant impact in an unlikely event that such resources are uncovered. No adverse impact is anticipated and these issues will not be addressed further in the EIR.

VI. GEOLOGY AND SOILS -- Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
a. through d. The campus is located in the seismically active Southern California region and therefore all design and construction of new facilities and improvements will be in compliance with the California State University seismic safety rules and regulations, Development pursuant to the Master Plan will be infill development on land that is already developed with University facilities and all facilities will be designed and use engineering techniques for the specific soil conditions on campus, and the site of each new facility. The Master Plan consolidates new development with the existing campus area located on relatively flat terrain away from hillsides; thereby it is not at risk for landslides. Impact will be less than significant and these issues will not be addressed further in the EIR.				
e. The campus is served by sewer systems and no septic tanks or alternative wastewater disposal systems are needed. No impact will result.				
VII. GREENHOUSE GAS EMISSIONS -- Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☒	☐	☐
b) Conflict with applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☐	☒

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
a and b. Accommodating the projected growth in student enrollment on the campus pursuant to the Master Plan has the potential to generate additional vehicular trips that produce exhaust emissions and short-term emissions associated with development of new facilities and improvements, which include greenhouse gas. These issues will be addressed in the EIR. The implementation of the Master Plan will not conflict nor obstruct the implementation of the South Coast Air Quality Management Plan which aims at reducing overall emissions, including greenhouse gas (GHG) emissions. The Master Plan will not create additional regional growth but accommodate the projected growth in student enrollment caused by the regional population, housing and employment growth. The Air Quality Management Plan is based on these regional growth projects and the implementation of the Master Plan at campus will not affect these regional projections. In addition, the Master Plan enhances connectivity to the existing transit center to facilitate the use of transit that reduces commute trips.				
VIII. HAZARDS AND HAZARDOUS MATERIALS -- Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b) 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?	☐	☐	☒	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☒
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☒

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	☐	☐	☒	☐
a through c. For most of the new facilities on-site use and storage of hazardous materials will be limited to small amounts of everyday household cleaners and common chemicals used for landscaping and maintenance. Materials used for laboratory academic research and instructions will be handled and disposed of in accordance with established University safety procedures. The University's environmental health and safety staff will continue to monitor the use of such materials in research and science instructions to ensure safe and lawful handling, movement, storage, and disposal. Impact will be less than significant and these issues will not be addressed further in the EIR.				
d. The campus is not included on the Department of Toxic Substances Control Hazardous Waste and Substance List (Cortese List) or any other list of hazardous materials sites. No impact will result.				
e and f. The campus is not located within two miles of a public use airport or private airport. No adverse impact will result.				
g. All new facilities developed pursuant to the Master Plan will include the provision of all necessary emergency access in compliance with existing regulations. Therefore, the project will not impair implementation nor physically interfere with any adopted emergency response or evacuation plans. No adverse impact will result.				
h. The Master Plan provides a new strategic infill approach to the long-term campus development which utilizes the existing developed campus land to provide all needed facilities. Therefore, no new development within undeveloped land separating the developed campus from San Bernardino Mountains - which are subject to wildfire hazards, is anticipated to occur pursuant to the Master Plan. The Master Plan also preserves the open space areas between the San Bernardino Mountains and the campus to provide a buffer/firebreak for the threat of brush fires from the mountain environment. In addition, as with the existing campus facilities, all new facilities, and landscaping as well, will be designed to reduce the risk of fire with proper choice of building materials and landscaping, provision of interior sprinklering systems, and appropriate fire hydrants and water flows. As with all University facilities, the new facilities developed pursuant to the Master Plan are subject to review and approval by State Fire Marshall, ensuring that fire protection equipment and facilities within the campus are adequate. With compliance with these regulations and design procedures impact will be less than significant, and this issue will not be addressed further in the EIR.				
IX. HYDROLOGY AND WATER QUALITY -- Would the project:				
a) Violate any water quality standards or waste discharge requirements?	☐	☐	☐	☒

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	☐	☐	☒	☐
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	☐	☐	☐	☒
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☐	☐	☒	☐
f) Otherwise substantially degrade water quality?	☐	☐	☐	☒
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	☐	☐	☐	☒
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	☐	☐	☒	☐
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	☐	☐	☒	☐

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
j) Inundation by seiche, tsunami, or mudflow?	☐	☐	☒	☐

a, c through f. New facilities and improvements developed pursuant to the Master Plan will predominantly replace and/or re-use existing impervious surfaces, including the existing surface parking lots and thus, no major changes to the existing drainage patterns within the campus are anticipated. All new facilities will include any necessary drainage improvements, including appropriate stormwater retention measures, including bioswales. While impact is considered less than significant, drainage utilities issue will be further addressed in the EIR.

b. Water use on campus pursuant to the Master Plan is not expected to result in substantially increased water ground water pumping such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level. Nonetheless, since the increased student enrollment on campus will result in additional water use, this issue will be addressed in the EIR.

g and h. The National Flood Insurance Rate Maps do not identify 100-year flood hazard areas within the existing campus area where new facilities will be located pursuant to the Master Plan. The closest designated flood areas are to the northwest and northeast along the campus boundary. Since the Master Plan consolidates new facilities away from those zones, the project will not place structures or housing within a flood zone area. No significant impact will result.

There are a number of percolation basins (Badger, West Badger, North Badger, and Devils Canyon) within a vicinity of the campus to the north. Therefore, the campus was designed to ensure appropriate protection from potential failure of these basins, including the construction of an approximate 6-foot wide "V" ditch located along the north side of North Campus Circle, which was designed to handle flows from areas north of the campus. Therefore, potential impact from flooding is considered less than significant.

j. The campus is located inland and is not subject to tsunamis, nor is it subject to a seiche as it is not located near a large body of water. The existing campus area is not subject to mudflows as it is relatively flat and not located adjacent to hillsides. No significant impact will result.

X. LAND USE AND PLANNING -- Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Conflict with any 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, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	☐	☐	☐	☒

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
a through c. The Master Plan provides for new facilities and improvements within the campus and will not physically divide an established community. No other land use plans apply to the campus and no adverse impact will result.				
XI. MINERAL RESOURCES -- Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒
a and b. No mineral resources are known to exist on the CSU San Bernardino campus. No adverse impact will result.				
XII. NOISE -- Would the project result in:				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☐	☒
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☐	☒	☐
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	☒	☐	☐	☐
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒
a through d. Implementation of the Master Plan will result in noise associated with **c**onstruction of new facilities and improvements, and with day-today campus activities. These issues will be addressed in the EIR.				
b. The long-term facilities and improvements provided pursuant to the Master Plan will continue the University uses and functions that do not involve generating excessive vibration or groundborne noise. No adverse impact will result and this issue will not be addressed in the EIR.				
e and f. The campus is not located within an airport land use plan, within two miles of an airport or public use airport, or within the vicinity of a private airstrip. No impact will result.				
XIII. POPULATION AND HOUSING -- Would the project:				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
a. The implementation of the Master Plan will provide additional on-campus student housing, and will not displace any housing or people. The Master Plan is designed to accommodate the projected gradual increase in student enrollment resulting from growth and development within the area and the region and by itself, will not induce substantial population growth or housing demand. The University is primarily a commuter campus with the majority of students and faculty already residing within San Bernardino and Riverside counties and commuting to campus from their residences; this pattern will continue under the proposed Master Plan. Nearby residential areas are fully urbanized and served by existing infrastructure, and the provision of University facilities and improvements within the campus has no potential to induce substantial growth in the surrounding areas or the region. No significant impact will result and this issue will not be addressed in the EIR.				
b and c. The project does not involve the removal of housing or displacement of people. No impact will result.				

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. PUBLIC SERVICES				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
Fire protection?	☒	☐	☐	☐
Police protection?	☒	☐	☐	☐
Schools?	☐	☐	☐	☒
Parks?	☐	☐	☐	☒
Other public facilities?	☐	☐	☐	☒

a. The Master Plan provides for needed facilities and improvements to accommodate the projected student enrollment over the next 20 years, which will generate additional demand for fire and police protection services. Potential impact on these services will be evaluated in the EIR.

The Master Plan provides needed facilities and improvements to accommodate the projected student enrollment and has no potential to generate a substantial demand for schools. The Master Plan also provides for new and enhanced sports and recreation facilities, protection and maintenance of open space, and landscape improvements within the campus, as well as for adequate student and faculty support services, including student housing, parking, and other facilities. Thus, the Master Plan will not generate a need for construction of new public facilities in the surrounding community. No adverse impact will result and these issues will not be addressed in the EIR.

XV. RECREATION				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
a and b. Implementation of the Master Plan will not induce substantial new population growth that will require the construction of new parks or recreational facilities that might have an adverse physical effect on the environment. The Master Plan provides for new and improved sports and recreation facilities within the campus, including college level baseball and softball fields, soccer fields, expanded tennis courts, and basketball courts. No adverse impact will result and these issues will not be addressed in the EIR.				
XVI. TRANSPORTATION/TRAFFIC -- Would the project:				
a) 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 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?	☒	☐	☐	☐
b) Conflict with applicable congestion management program, including but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	☒	☐	☐	☐
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location which results in substantial safety risks?	☐	☐	☐	☒
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☒
e) Result in inadequate emergency access?	☐	☐	☐	☒
f) Conflict with adopted policies plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the safety of such facilities?	☐	☐	☐	☒

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
a and b. The Master Plan provides for additional student housing on campus and continued use of public transit which will reduce commuter vehicular trips to campus. However, since the gradual increase in student enrollment accommodated by the Master Plan will result in vehicular trips in vicinity of the University, a traffic study will be prepared as part of the EIR to address these issues.				
c through f. The provision of University facilities and improvements will not affect air traffic patterns. The new facilities and improvements pursuant to the Master Plan will include the provision of all required emergency access in compliance with existing regulations. No design features or uses that could result in increased hazards are part of the Master Plan. The Master Plan provides for continuing use of public transit and enhanced bicycle and pedestrian circulation within the campus. No adverse impact will result and these issues will not be addressed further in the EIR.				
XVII. UTILITIES AND SERVICE SYSTEMS -- Would the project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	☐	☐	☐	☒
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☒	☐
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☒	☐
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	☒	☐	☐	☐
e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	☐	☐	☒	☐

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
g) Comply with federal, State, and local statutes and regulations related to solid waste?	☐	☐	☐	☒
a. The new facilities and uses developed pursuant to the Master Plan will generate wastewater similar to existing flows. The quality of the wastewater flows associated with these typical urban educational uses meet all applicable requirements. No adverse impact will result and this issue will not be addressed in the EIR.				
b. Implementation of the Master Plan will result in infill development on sites currently developed as surface parking lots and other impervious surfaces and therefore, no substantial increase in stormwater will result. While upgrades or improvements to the existing infrastructure serving the campus may occur, the project will not require the construction of new off-campus drainage facilities. Impact will be less than significant. Construction effects associated with utility infrastructure improvements on campus will be evaluated in the EIR.				
c through e. The new facilities and improvements developed pursuant to the Master Plan accommodating the projected growth in student enrollment will use water and generate wastewater. These issues will be addressed in the EIR.				
f and g. The University implements a recycling program to minimize the amount of solid waste disposed at the County landfills. The recycling program and other waste-reduction measures will continue to be implemented in additional uses and facilities developed pursuant to the Master Plan. Nonetheless, since the development pursuant to the Master Plan will generate solid waste, these issues will be further addressed in the EIR.				
XVIII. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☒	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☒	☐	☐	☐

Issues:	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☒	☐

a. Implementation of the Master Plan will result in infill development within an existing campus primarily in areas currently developed with surface parking lots and other impervious surfaces. The Master Plan preserves the Badger Hill natural area other open space resources on campus, and is not anticipated to affect biological resources. No known important examples of California history or prehistory are present on the portions of the campus where new development may occur. Therefore, no significant impact is anticipated to occur.

b. The area-wide growth, and the growth and development within the City of San Bernardino may result in significant air quality, traffic, and other impacts. While the effects of the Master Plan itself will be relatively limited, when combined together with the effects of the area-wide growth and development the cumulative impact may be significant. This issue will be addressed in the EIR.

c. The Master Plan will result in the provision of needed facilities and improvements at the CSU San Bernardino campus. These facilities and improvements are necessary to continue the University functions and the provision of higher education opportunities to the residents of the surrounding area and the state as reflected by the projected student enrollment, with no potential to result in substantial adverse effects on people.

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