

Chapter 4

Revised Summary of Impacts and Mitigation Measures

This chapter contains an updated summary table of impacts, levels of significance, and mitigation measures. The following Table 4-1 supersedes Table 1-2 found in the DEIR.

Changes made to the text of the EIR include a number of revisions to the mitigation measures described in the DEIR. The changes were made for purposes of clarifying the mitigation measures or as a result of information received during the public comment period. The revisions to the EIR and mitigation measures did not result in substantial changes to the significance of the project's impacts.

The following Table 4-1 incorporates the changes to the mitigation measures without notation. See Chapter 3 of this Final EIR for a marked version of each measure that illustrates the text deletions and additions.

Table 4-1. Summary of Impacts and Levels of Significance

Impact	Level of Significance Before Mitigation	Mitigation Measures	Level of Significant After Mitigation
Impact AES-1: Temporary Visual Impacts Caused by Construction Activities	Significant and unavoidable	None available	Significant and unavoidable
Impact AES-2: Adverse Effect on a Scenic Vista	No impact	None required	No impact
Impact AES-3: Damage to Scenic Resources along a Scenic Highway	No impact	None required	No impact
Impact AES-4: Degradation of the Existing Visual Character or Quality of the Site and Its Surroundings	Significant and unavoidable	Mitigation Measure AES-1: Reduce Visibility of New Structures	Significant and unavoidable
Impact AES-5: Creation of a New Source of Light or Glare	No impact	Mitigation Measure AES-1: Reduce Visibility of New Structures	No impact
Impacts related to agricultural resources	No impact	None required	No impact
Impact AIR-1: Temporary Increase in Construction-Related Emissions during Construction Activities	Significant	Mitigation Measure AIR-1a: Implement Construction Control Technology Mitigation Measure AIR-1b: Limit Concurrent Construction to Two Sites if Mitigation Measure AIR-1a Is Not Implemented	Less than significant
Impact AIR-2: Construction-Related Diesel Health Risk	Significant	Mitigation Measure AIR-1a: Implement Construction Control Technology Mitigation Measure AIR-2: Require Large Diesel-Powered Off-Road Equipment, Such as the Excavator, Cranes, and Backhoe/Loader, to Meet Federal Emissions Standards for Tier 1 or Tier 2	Less than significant

Impact	Level of Significance Before Mitigation	Mitigation Measures	Level of Significant After Mitigation
Impact AIR-3: Potential Exposure of Sensitive Receptors to Naturally Occurring Asbestos	No impact	None required	No impact
Impact AIR-4: Creation of Objectionable Odors Affecting a Substantial Number of People	Less than significant	None required	Less than significant
Impact AIR-5: Conflicts with Implementation of State Goals for Reducing GHG Emissions Relative to Construction Emissions	Less than significant	None required	Less than significant
Impact BIO-1: Potential Impacts on Wetlands and Other Waters of the United States	Significant	<p>Mitigation Measure BIO-1: Avoid and Minimize Impacts on Sensitive Biological Resources through Project Design</p> <p>Mitigation Measure BIO-2: Conduct Mandatory Contractor/Worker Awareness Training for Construction Personnel</p> <p>Mitigation Measure BIO-3: Install Construction Barrier Fencing to Protect Riparian Habitat and Other Sensitive Biological Resources Adjacent to the Construction Zone</p> <p>Mitigation Measure BIO-4: Retain a Biologist to Monitor Construction Activities</p> <p>Mitigation Measure BIO-5: Compensate for Loss of Wetlands and Other Waters of the United States</p>	Less than significant

Impact	Level of Significance Before Mitigation	Mitigation Measures	Level of Significant After Mitigation
Impact BIO-2: Potential Loss or Disturbance of Aquatic and Upland Habitat for California Red-Legged Frog during Construction	Significant	Mitigation Measure BIO-6: Implement USFWS Recommendations to Avoid and Minimize Potential Project Effects on CRLF into Project Design	Less than significant
Impact BIO-3: Potential Impacts on California Horned Lizard	Less than significant	None required	Less than significant
Impact BIO-4: Potential Impacts on Northwestern Pond Turtles	Less than significant	None required	Less than significant
Impact BIO-5: Potential Impacts on Nesting Migratory Birds	Significant	Mitigation Measure BIO-7: Conduct Tree and Shrub Trimming and Removal Activities during the Nonbreeding Season for Raptors and Other Migratory Birds or Retain a Qualified Biologist to Conduct a Nesting Bird Survey before Tree Removal Activities	Less than significant
Impact BIO-6: Disturbance or Removal of Landmark Trees or Trees Adjacent to Work Zones	Significant	Mitigation Measure BIO-3: Install Construction Barrier Fencing to Protect Riparian Habitat and Other Sensitive Biological Resources Adjacent to the Construction Zone Mitigation Measure BIO-8: Install Temporary Construction Fencing or Flagging to Protect Trees Adjacent to Work Zones Mitigation Measure BIO-9: Mulch below Trees after Work Mitigation Measure BIO-10: Compensate for Disturbance or Loss of Landmark Trees	Less than significant

Impact	Level of Significance Before Mitigation	Mitigation Measures	Level of Significant After Mitigation
Impact BIO-7: Introduction or Spread of Invasive Plants	Significant	Mitigation Measure BIO-11: Conduct an Invasive-Plant Survey and Document Invasive-Plant Infestation Mitigation Measure BIO-12: Avoid the Dispersal of Invasive Plants into Uninfested Areas Mitigation Measure BIO-13: Conduct a Follow-Up Invasive-Plant Inventory	Less than significant
Impact CR-1: Substantial Adverse Change in the Significance of a Historical Resource as Defined in 14 CCR 15064.5	No impact	Mitigation Measure CR-1. Prepare and Maintain a Photographic Record of the Flumes Prior to Demolition.	No impact
Impact CR-2: Substantial Adverse Change in the Significance of an Archaeological Resource as Defined in 14 CCR 15064.5	Significant	Mitigation Measure CR-2: Implement Plan to Address Discovery of Unanticipated Buried Cultural or Paleontological Resources	Less than significant
Impact CR-3: Direct or Indirect Destruction of a Unique Paleontological Resource or Site or Unique Geologic Feature	Significant	Mitigation Measure CR-2: Implement Plan to Address Discovery of Unanticipated Buried Cultural or Paleontological Resources	Less than significant
Impact CR-4: Disturbance of any Human Remains, Including Those Interred outside of Formal Cemeteries	Significant	Mitigation Measure CR-3: Implement Plan to Address Discovery of Human Remains	Less than significant

Impact	Level of Significance Before Mitigation	Mitigation Measures	Level of Significant After Mitigation
Impact SG-1: Exposure of People or Structures to Potential Substantial Adverse Effects, Including the Risk of Loss, Injury, or Death Involving the 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; Strong Seismic Ground Shaking; Seismic-Related Ground Failure, Including Liquefaction; or Landslides	Significant	Mitigation Measure SG-1: Enact Erosion Controls Prior to and during Grading and Foundation Work to Reduce Erosion and the Possibility of a Landslide	Less than significant
Impact SG-2: Soil Erosion or a Loss of Topsoil	Significant	Mitigation Measure SG-1: Enact Erosion Controls Prior to and during Grading and Foundation Work to Reduce Erosion and the Possibility of a Landslide Mitigation Measure HYD-2: Monitor Water Quality during Construction Activities	Less than significant
Impact SG-3: Location on a Geologic Unit or Soil that Is Unstable or that Would Become Unstable as a Result of the Project, and the Potential to Result in On- or Off-site Landslide, Lateral Spreading, Subsidence, Liquefaction, or Collapse	No impact	Mitigation Measure SG-2: Implement the Engineering Recommendations and Design Standards in the Geotechnical Report for the Project	No impact
Impact SG-4: Location on Expansive Soil, as Defined in Table 18-1-B of the Uniform Building Code (1994), Creating Substantial Risks to Life or Property	No impact	None required	No impact
Impact HAZ-1: Creation of a Significant Hazard to the Public or the Environment through the Routine Transport, Use, or Disposal of Hazardous Materials	No impact	None required	No impact
Impact HAZ-2: Creation of 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	No impact	None required	No impact

Impact	Level of Significance Before Mitigation	Mitigation Measures	Level of Significant After Mitigation
Impact HAZ-3: Hazardous Emissions or the Handling of Hazardous or Acutely Hazardous Materials, Substances, or Waste within 0.5 Mile of an Existing or Proposed School	No impact	None required	No impact
Impact HAZ-4: Location on a Site that Is Included on a List of Hazardous Materials Sites Compiled Pursuant to Government Code Section 65962.5 and, as a Result, Creation of a Significant Hazard to the Public or the Environment	Significant	Mitigation Measure HAZ-1: Prepare and Implement Soil Management Plan to Avoid Release of Metals in Soil During Construction	Less than significant
Impact HAZ-5: Safety Hazard for People Residing or Working within an Airport Land-Use Plan or, Where Such a Plan Has Not Been Adopted, within 2 Miles of a Public Airport or Public-Use Airport, or in the Vicinity of a Private Airstrip	No impact	None required	No impact
Impact HAZ-6: Impairment of the Implementation of, or Physical Interference with, an Adopted Emergency Response Plan or Emergency Evacuation Plan	No impact	None required	No impact
Impact HAZ-7: Exposure of 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	Significant	Mitigation Measure HAZ-2: Prepare and Implement a Fire Protection Plan for Construction Activities	Less than significant
Impact HYD-1: Potential Violation of Water Quality Standards or Degradation of Water Quality	Significant	Mitigation Measure HYD-1: Implement Measures to Maintain Groundwater or Surface Water Quality Mitigation Measure HYD-2: Monitor Water Quality during Construction Activities	Less than significant
Impact HYD-2: Substantial Depletion of Groundwater Resources or Interference with Groundwater Recharge Such that There Would Be a Net Deficit in Aquifer Volume or Cause Lowering of the Groundwater Aquifer	Less than significant	None required	Less than significant

Impact	Level of Significance Before Mitigation	Mitigation Measures	Level of Significant After Mitigation
Impact HYD-3: Substantial Alteration of the Drainage Patterns in a Way that Would Result in Substantial Erosion or Sedimentation on or off the Site	Significant	Mitigation Measure HYD-2: Monitor Water Quality during Construction Activities	Less than significant
Impact HYD-4: Substantial Alteration of the Drainage Patterns in a Way that Would Result in Flooding on or off the Site	Significant	Mitigation Measure HYD-2: Monitor Water Quality during Construction Activities	Less than significant
Impact HYD-5: Creation of or Contribution to Runoff Water that Would Exceed the Capacity of Existing or Planned Stormwater Drainage Systems in a Manner that Would Result in Flooding on or off the Site	Less than significant	None required	Less than significant
Impact HYD-6: Other Substantial Degradation of Water Quality	Significant	Mitigation Measure HYD-1: Implement Measures to Maintain Groundwater or Surface Water Quality	Less than significant
Impact HYD-7: Placement of Structures within a 100-Year Flood Hazard Area or Exposure of People or Structures to a Significant Risk of Loss, Injury, or Death Involving Flooding, including Flooding as a Result of the Failure of a Dam	Significant	Mitigation Measure HYD-1: Implement Measures to Maintain Groundwater or Surface Water Quality Mitigation Measure HYD-2: Monitor Water Quality during Construction Activities	Less than significant
Impact HYD-8: Inundation of Public or Private Property by a Seiche, Tsunami, or Mudflow	Less than significant	None required	Less than significant
Impact LU-1: Division of an Established Community	Less than significant	None required	Less than significant
Impact LU-2: Conflicts with Adopted Land Use Plans	No impact	None required	No impact
Impact LU-3: Conflicts with an Adopted Habitat Conservation Plan	No impact	None required	No impact
Impacts related to mineral resources	No impact	None required	No Impact

Impact	Level of Significance Before Mitigation	Mitigation Measures	Level of Significant After Mitigation
Impact NOI-1: Exposure of Noise-Sensitive Receptors to Noise from Construction Activities in Excess of Local Noise Standards	Significant and unavoidable	None available	Significant and unavoidable
Impact NOI-2: Exposure of Persons to, or Generation of, Excessive Groundborne Vibration or Groundborne Noise Levels	Less than significant	None required	Less than significant
Impacts related to population and housing	No impact	None required	No impact
Impacts related to public services	No impact	None required	No impact
Impacts related to recreation	No impact	None required	No impact
Impact TRANS-1: Temporary Increase in Traffic as a Result of Construction	Significant	Mitigation Measure TRANS-1: Restore Roads to Existing Conditions Mitigation Measure TRANS-2: Prepare a Plan for Traffic Control, Including Emergency Access Mitigation Measure TRANS-3: Notify Residents of Local Construction Schedule and Access Restrictions	Less than significant
Impact TRANS-2: Exceedance of Level of Service Standard Established by County Congestion Management Agency	Less than significant	None required	Less than significant
Impact TRANS-3: Change in Air Traffic Patterns	No impact	None required	No impact

Impact	Level of Significance Before Mitigation	Mitigation Measures	Level of Significant After Mitigation
Impact TRANS-4: Substantial Increase in Hazards Due to a Design Feature or Incompatible Uses	Significant	Mitigation Measure TRANS-1: Restore Roads to Existing Conditions Mitigation Measure TRANS-2: Prepare a Plan for Traffic Control, Including Emergency Access Mitigation Measure TRANS-3: Notify Residents of Local Construction Schedule and Access Restrictions	Less than significant
Impact TRANS-5: Inadequate Emergency Access	Significant	Mitigation Measure TRANS-2: Prepare a Plan for Traffic Control, Including Emergency Access	Less than significant
Impact TRANS-6: Inadequate Parking Capacity	Significant	Mitigation Measure TRANS-2: Prepare a Plan for Traffic Control, Including Emergency Access	Less than significant
Impact TRANS-7: Conflicts with Adopted Policies, Plans, or Programs Supporting Alternative Transportation (e.g., Bus Turnouts and Bicycle Racks)	No impact	None required	No impact
Impacts related to utilities and service systems	No impact	None required	No impact
Impact GI-1: Fostering of Economic or Population Growth	Less than significant	None required	Less than significant
Impact GI-2: Removal of Obstacles to Growth	Less than significant	None required	Less than significant
Impact GI-3: Tax on Community Services or Facilities to Such an Extent that New Services or Facilities Would Be Necessary	Less than significant	None required	Less than significant
Impact CU-1: Increase in Greenhouse Gas Emissions	Cumulatively considerable	None available	Cumulatively considerable

Impact	Level of Significance Before Mitigation	Mitigation Measures	Level of Significant After Mitigation
Impact CU-2: Change in Water-Dependent and Water-Enhanced Recreation Opportunities in Regional Water Bodies	Less than Cumulatively considerable	None required	