

## Attachment D Summary of Significant Environmental Effects and Mitigation Measures

Significant Impact	Mitigation Measures	Level of Significance
<i>Transportation</i>		
TRN-2a (Traffic Impact at Capitol Expressway/Capitol Avenue in 2018)	TRN-2a (Provide a straight-through lane and add a left-turn lane on westbound South Capitol Avenue and eastbound Excalibur Drive)	Less than Significant with Mitigation
TRN-2c (Traffic Impact at Capitol Expressway/Ocala Avenue in 2018)	No mitigation is feasible	<b>Significant and Unavoidable</b>
TRN-8a (Traffic Impact at Capitol Expressway/Capitol Avenue in 2035)	TRN-2a (Provide a straight-through lane and add a left-turn lane on westbound South Capitol Avenue and eastbound Excalibur Drive)	Less than Significant with Mitigation
TRN-8c (Traffic Impact at Capitol Expressway/Ocala Avenue in 2035)	No mitigation is feasible	<b>Significant and Unavoidable</b>
<i>Biological Resources</i>		
BIO-7 (Permanent Loss of Habitat and Disturbance to Species)	BIO-7 (Conduct Preconstruction Surveys for Western Burrowing Owls and Implement Measures to Avoid or Minimize Adverse Effects if Owls Are Present)	Less than Significant with Mitigation
BIO-14 (Temporary Disturbance of Nesting)	BIO-14a (Conduct a Preconstruction Survey for	Less than Significant with Mitigation

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Raptors)	Nesting Raptors) and BIO-14b (Avoid Active Raptor Nests)	
BIO-15 (Temporary Disturbance to Nesting Habitat for Migratory Birds)	BIO-15 (Conduct Preconstruction Surveys for Nesting Migratory Birds and Stop Construction until the Young have Fledged or the Nest is Removed in Accordance with CDFG Approval)	Less than Significant with Mitigation
BIO-18 (Loss of Trees)	BIO-18a (Conduct a Tree Survey) and BIO-18b (Replace Trees)	Less than Significant with Mitigation
<i>Cultural Resources</i>		
CR-5 (Direct or Indirect Impacts to an Archaeological Resource)	CR-5a (Develop and Implement a Historic Properties Treatment Plan Prior to Construction Activities)	Less than Significant with Mitigation
<i>Geology, Soils, and Seismicity</i>		
GEO-4 (Risk Caused by Strong Seismic Ground Shaking)	GEO-4 (Incorporate Caltrans Seismic Design Criteria)	Less than Significant with Mitigation
GEO-5 (Risk Caused by Seismic-Related Ground Failure, Including Liquefaction)	GEO-5 (Incorporate Liquefaction Minimization Methods)	Less than Significant with Mitigation
GEO-6 (Risks from Lateral Spreading, Subsidence, and	GEO-6 (Minimize Risk of Lateral Spreading, Subsidence,	Less than Significant with Mitigation

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Collapse)		
GEO-7 (Risk Caused by Expansive Soil)	GEO-7 (Minimize Risk of Soil Expansivity)	Less than Significant with Mitigation
<i>Hazardous Materials</i>		
HAZ-9 (Hazard Caused by the Release of Hazardous Materials)	HAZ-9a (Conduct Subsurface Investigations in Areas that may be Contaminated) and HAZ-9b (Control Contamination) HAZ-9c (Comply with Regulations Regarding the Disposal of Lead-Based Paint) HAZ-9d (Comply with the National Emission Standards For Hazardous Air Pollutants Regarding Asbestos Containing Materials)	Less than Significant with Mitigation
<i>Hydrology and Water Quality</i>		
HYD-11 (Violation of Water Quality Standards or Waste Discharge Requirements)	HYD-11 (Comply with Water Quality Control Regulations and Permit Programs)	Less than Significant with Mitigation
HYD-14 (Exposure to Flood Hazards)	HYD-14 (Minimize Flood Impacts)	Less than Significant with Mitigation

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<i>Noise and Vibration</i>		
NV-1 (Noise Levels from Transit Operations that Exceed FTA Criteria for a Severe Impact)	NV-1a (Construct Aerial Sound Walls), NV-1b (Provide Noise Insulation), and NV-1c (Provide Quiet Pavement)	Less than Significant with Mitigation
NV-4 (Vibration Levels from Transit Operations that Exceed FTA Criteria for a Severe Impact)	NV-4a (Consider Follow-up Vibration Mitigation Assessments), NV-4b (Use Vibration Dampening Track Construction Materials)	Less than Significant with Mitigation
<i>Safety and Security</i>		
SS-3 (Pedestrian and/or Bicycle Safety Risks at Gated Crossings)	SS-3 (Incorporate Pedestrian-Friendly Features)	Less than Significant with Mitigation
SS-4 (Inadequate Lighting or Visual Obstructions at Park-and-Ride Lots)	SS-4a (Implement Measures to Deter Crime), SS-4b (Use Lighting, Cameras, and Security Patrols to Enhance Safety), and SS-4c (Define Fire and Life Safety Procedures and Develop Evacuation Plans)	Less than Significant with Mitigation
<i>Socioeconomics</i>		
SOC-16 (Displacement of Existing Businesses or Housing)	SOC-16a (Comply with Legislation for Acquisition and Relocation) and SOC-16b (Inform Residents and	Less than Significant with Mitigation

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<i>Utilities</i>		
UTIL-3 (Require Construction of New Stormwater Drainage Facilities or Expansion of Existing Facilities)	HYD-11 (Maintain Operational Water Quality)	Less than Significant with Mitigation
<i>Visual Quality</i>		
VQ-1 (Creation of Substantial Light or Glare)	VQ-1 (Minimize Light and Glare)	Less than Significant with Mitigation
VQ-3 (Degradation of Existing Visual Quality)	VQ-3 (Involve Public in Station Design) and VQ-4 (Incorporate Landscaping)	Less than Significant with Mitigation
<i>Construction</i>		
TRN-1 (Long-Term Street or Lane Closure)	TRN (CON)-2a (Prepare Traffic Management Plan), TRN-2b (Inform Public of Traffic Detours), TRN-2c (Inform Public of Transit Service Changes)	Less than Significant with Mitigation
TRN-2 (Long-Term Loss of Parking or Access Essential for Business Operations)	TRN (CON)-2a (Prepare Traffic Management Plan), CON-2 (Provide Signage for Bicyclists and Pedestrians), CON-3 (Coordinate with Residents), CON-4 (Coordinate with Businesses)	Less than Significant with Mitigation
AQ-1 (Increase in	CON-5 (Implement Dust and	Less than Significant with

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Construction-Related Emissions)	Emission Control Measures)	Mitigation
AQ-2 (Generate GHG Emissions as a Result of Construction)	AQ (CON)-2 (Implement the BAAQMD's Best Management Practices for GHG Emissions)	Less than Significant with Mitigation
CS-1 (Disruption of Emergency Access)	CS (CON)-1 (Coordinate with Emergency Service Providers)	Less than Significant with Mitigation
E-1 (Wasteful Consumption of Nonrenewable Energy Resources)	E (CON)-1 (Adopt Energy Conservation Measures)	Less than Significant with Mitigation
GEO-1 (Lateral Spreading, Subsidence, and Collapse)	GEO (CON)-1 (Minimize Lateral Spreading, Subsidence, and Collapse)	Less than Significant with Mitigation
GEO-2 (Presence of Expansive Soil)	GEO (CON)-2 (Minimize Risk of Soil Expansivity)	Less than Significant with Mitigation
HAZ-1 (Release of Hazardous Materials into the Environment)	HAZ (CON)-1a (Conduct Subsurface Investigations), HAZ (CON)-1b (Control Contamination)	Less than Significant with Mitigation
HYD-1 (Impair Water Quality)	HYD (CON)-1 (Implement Water Quality Control Measures)	Less than Significant with Mitigation
HYD-2 (Depletion of Groundwater Supplies)	HYD (CON)-2 (Use Non-Potable Water)	Less than Significant with Mitigation
NV-2 (Generate Noise from Pile Driving)	NOI-2 (Employ Measures to Reduce Construction Noise and Vibration)	<b>Significant and Unavoidable</b>

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NV-3 (Generate Vibration from Pile Driving)	NOI-2 (Employ Measures to Reduce Construction Noise and Vibration)	<b>Significant and Unavoidable</b>
SS-1 (Safety Risks During Construction)	SS (CON)-1 (Implement Construction Best Management Practices)	Less than Significant with Mitigation
UTL-1 (Disruption of Utility Service)	UTL (CON)-1 (Coordinate with Utility Providers)	Less than Significant with Mitigation
VQ-1 (Creation of New Source of Light or Glare)	VQ (CON)-1 (Direct Lighting Toward Construction Area)	Less than Significant with Mitigation
<i>Cumulative Effects</i>		
None		

