Table 4-1 Summary of Direct Environmental Effects and Mitigation Measures to Avoid, Minimize, or Reduce Impacts (continued on next page)

Probable Unavoidable Adverse Environmental Effects	Although mitigation measures will minimize many adverse visual effects by providing visual buffers and reducing visual contrasts between the project elements and their surroundings, the Final EIS acknowledges, as concluded in the Draft EIS, that unavoidable adverse effects, such as view blockage, cannot be mitigated and will be significant (noted as a "high" level of visual impact in the Draft EIS) in some areas.
Air Quality, Section 4.9	
Environmental Effects	The Project will reduce regional pollutant emissions between 3.9 to 4.6 percent. The study area is in attainment for all national ambient air-quality standards. The Project will reduce emissions of greenhouse gases.
Mitigation Measures	Because no substantial air quality impacts are anticipated, no mitigation will be required.
Probable Unavoidable Adverse Environmental Effects	No unavoidable adverse environmental effects are anticipated.
Noise and Vibration, Section 4.10	
Environmental Effects	Without mitigation, the Project would have moderate noise impacts at eight locations. The Project will have no vibration impacts.
Mitigation Measures	The elevated guideway will include a parapet wall on both sides of the guideway that extends 3 feet above the top of the rail. The design specification for the rail vehicles will require wheel skirts that block noise coming from the undercarriage. At three locations where the noise analysis shows that moderate noise impacts will occur even with the parapet wall and wheel skirts, the guideway structure will be lined with a material designed to absorb noise. The design specification for the traction power substations will require that the substations be designed to meet the standards in (HAR Section 11-46). Automatic track lubrication devices will be installed on tight-radius curves in the maintenance and storage facility to eliminate wheel squeal on those curves.
Probable Unavoidable Adverse Environmental Effects	No unavoidable adverse environmental effects are anticipated.
Energy and Electric and Magnetic Fields, Section 4.11	
Environmental Effects	The Project will reduce daily transportation energy demand by 3 percent. Motor vehicle consumption islandwide: 90,760 MBTUs. Fixed guideway energy consumption: 1,690 MBTUs.
Mitigation Measures	None required.
Probable Unavoidable Adverse Environmental Effects	No unavoidable adverse environmental effects are anticipated.
Hazardous Waste and Materials, Section 4.12	
Environmental Effects	Sites of concern near the Project could be contaminated. Sites where hazardous materials are or have been used or stored will be acquired. The City will perform a Phase I Environmental Site Assessment for properties that will be acquired for the Project. Depending on the outcome, a Phase II Environmental Site Assessment may be appropriate. The City will decide the necessity of the Environmental Site Assessment for each property acquisition.
Mitigation Measures	Properties identified as contaminated will be remediated in accordance with regulations.
Probable Unavoidable Adverse Environmental Effects	No unavoidable adverse environmental effects are anticipated.

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