

Contents

| | | |
|----|--|-------------|
| 1 | | |
| 2 | | |
| 3 | Executive Summary | ES-1 |
| 4 | ES.1 Introduction..... | ES-1 |
| 5 | ES.2 Purpose of this Draft EIS/EIR..... | ES-3 |
| 6 | ES.2.1 NEPA Introduction | ES-3 |
| 7 | ES.2.2 CEQA Introduction | ES-4 |
| 8 | ES.2.3 USACE Purpose and Need..... | ES-4 |
| 9 | ES.2.4 CEQA Project Objectives | ES-5 |
| 10 | ES.2.5 Baselines | ES-5 |
| 11 | ES.3 Proposed Project | ES-6 |
| 12 | ES.3.1 Overview..... | ES-6 |
| 13 | ES.3.2 Local Setting | ES-9 |
| 14 | ES.3.3 Project Site and Surrounding Uses | ES-11 |
| 15 | ES.4 Alternatives to the Project | ES-16 |
| 16 | ES.4.1 Basis of Alternatives | ES-16 |
| 17 | ES.4.2 Alternatives Considered..... | ES-16 |
| 18 | ES.4.3 Alternatives Eliminated from Further Consideration | ES-21 |
| 19 | ES.5 Environmental Impacts..... | ES-22 |
| 20 | ES.5.1 Impacts Considered in this Draft EIS/EIR..... | ES-22 |
| 21 | ES.5.2 Impacts of the Proposed Project and Alternatives | ES-22 |
| 22 | ES.5.3 Environmentally Preferred and Environmentally Superior Alternative..... | ES-69 |
| 23 | ES.5.4 Public Comment | ES-71 |
| 24 | ES.5.5 Issues to be Resolved..... | ES-74 |
| 25 | Chapter 1 Introduction | 1-1 |
| 26 | 1.1 Introduction | 1-3 |
| 27 | 1.2 Background..... | 1-4 |
| 28 | 1.2.1 Project Location and Brief Project Overview | 1-4 |
| 29 | 1.2.2 Goods Movement Overview..... | 1-6 |
| 30 | 1.2.3 San Pedro Bay Ports Cargo Growth and Port Capacity..... | 1-22 |
| 31 | 1.3 Purpose of an EIS/EIR..... | 1-29 |
| 32 | 1.3.1 NEPA and the Purpose of an EIS | 1-29 |

| | | | |
|----|------------------|---|------------|
| 1 | 1.3.2 | CEQA and the Purpose of an EIR..... | 1-29 |
| 2 | 1.4 | Lead, Responsible, and Trustee Agencies..... | 1-30 |
| 3 | 1.5 | Scope and Content of the Draft EIS/EIR | 1-34 |
| 4 | 1.5.1 | Scope of Analysis | 1-39 |
| 5 | 1.5.2 | Intended Uses of This Draft EIS/EIR | 1-40 |
| 6 | 1.5.3 | Draft EIS/EIR Organization | 1-42 |
| 7 | 1.6 | Key Principles Guiding Preparation of this Draft EIS/EIR | 1-43 |
| 8 | 1.6.1 | CEQA/NEPA Terminology | 1-43 |
| 9 | 1.6.2 | Emphasis on Significant Environmental Effects | 1-44 |
| 10 | 1.6.3 | Forecasting..... | 1-45 |
| 11 | 1.6.4 | Reliance on Environmental Thresholds and Substantial Evidence | 1-45 |
| 12 | 1.6.5 | Disagreement Among Experts | 1-46 |
| 13 | 1.6.6 | Duty to Mitigate..... | 1-46 |
| 14 | 1.6.7 | Requirements to Evaluate Alternatives | 1-48 |
| 15 | 1.6.8 | Port of Los Angeles Plans and Programs..... | 1-49 |
| 16 | 1.7 | Availability of the Draft EIS/EIR..... | 1-54 |
| 17 | Chapter 2 | Project Description | 2-1 |
| 18 | 2.1 | Introduction | 2-5 |
| 19 | 2.2 | Background and Project Overview | 2-5 |
| 20 | 2.2.1 | Port Planning | 2-5 |
| 21 | 2.2.2 | Project Overview..... | 2-7 |
| 22 | 2.3 | NEPA Purpose and Need | 2-7 |
| 23 | 2.3.1 | Project Purpose | 2-7 |
| 24 | 2.3.2 | Project Need..... | 2-8 |
| 25 | 2.4 | CEQA Project Objectives | 2-8 |
| 26 | 2.5 | Project Location and Setting | 2-9 |
| 27 | 2.5.1 | Regional Setting | 2-9 |
| 28 | 2.5.2 | Local Setting | 2-9 |
| 29 | 2.5.3 | Project Site and Surrounding Uses | 2-9 |
| 30 | 2.5.4 | Existing Terminal Facilities, Operations, and Project Site..... | 2-11 |
| 31 | 2.5.5 | Historical Use of the Proposed Project Site..... | 2-26 |
| 32 | 2.6 | Proposed Project Development..... | 2-27 |
| 33 | 2.6.1 | Proposed Project Elements..... | 2-27 |
| 34 | 2.6.2 | Proposed Project Operations | 2-38 |
| 35 | 2.7 | Analysis Baselines | 2-40 |
| 36 | 2.7.1 | CEQA Baseline | 2-40 |
| 37 | 2.7.2 | NEPA Baseline | 2-41 |
| 38 | 2.8 | Federal Scope of Analysis | 2-42 |
| 39 | 2.9 | Alternatives | 2-44 |

| | | | |
|----|---|--|---------|
| 1 | 2.9.1 | Alternatives Evaluated in this Draft EIS/EIR | 2-44 |
| 2 | 2.9.2 | Alternatives Considered but not Further Evaluated | 2-53 |
| 3 | 2.10 | Relationship to Existing Statutes, Plans, Policies, and Other Regulatory Requirements | 2-57 |
| 5 | Chapter 3 Environmental Analysis | 3-1 | |
| 6 | 3.1 | Introduction | 3-1 |
| 7 | 3.2 | Terminology Used in This Environmental Analysis..... | 3-2 |
| 8 | 3.3 | Requirements to Evaluate Alternatives | 3-3 |
| 9 | Section 3.1 Aesthetics and Visual Resources..... | 3.1-1 | |
| 10 | 3.1.1 | Introduction..... | 3.1-3 |
| 11 | 3.1.2 | Environmental Setting..... | 3.1-4 |
| 12 | 3.1.3 | Applicable Regulations | 3.1-14 |
| 13 | 3.1.4 | Impacts and Mitigation Measures..... | 3.1-14 |
| 14 | 3.1.2 | Significant Unavoidable Impacts | 3.1-49 |
| 15 | Section 3.2 Air Quality and Meteorology | 3.2-1 | |
| 16 | 3.2.1 | Introduction | 3.2-5 |
| 17 | 3.2.2 | Environmental Setting | 3.2-5 |
| 18 | 3.2.3 | Applicable Regulations | 3.2-10 |
| 19 | 3.2.4 | Impacts and Mitigation Measures..... | 3.2-12 |
| 20 | 3.2.5 | Significant Unavoidable Impacts | 3.2-263 |
| 21 | Section 3.3 Biological Resources | 3.3-1 | |
| 22 | 3.3.1 | Introduction | 3.3-3 |
| 23 | 3.3.2 | Environmental Setting | 3.3-3 |
| 24 | 3.3.3 | Applicable Regulations | 3.3-26 |
| 25 | 3.3.4 | Impacts and Mitigation Measures..... | 3.3-28 |
| 26 | 3.3.5 | Significant Unavoidable Impacts | 3.3-91 |
| 27 | Section 3.4 Cultural Resources..... | 3.4-1 | |
| 28 | 3.4.1 | Introduction | 3.4-3 |
| 29 | 3.4.2 | Environmental Setting | 3.4-4 |
| 30 | 3.4.3 | Applicable Regulations | 3.4-51 |
| 31 | 3.4.4 | Impacts and Mitigation Measures..... | 3.4-61 |
| 32 | 3.4.5 | Significant Unavoidable Impacts | 3.4-100 |
| 33 | Section 3.5 Greenhouse Gas Emissions | 3.5-1 | |
| 34 | 3.5.1 | Introduction | 3.5-3 |
| 35 | 3.5.2 | Environmental Setting | 3.5-3 |
| 36 | 3.5.3 | Greenhouse Gas Pollutants | 3.5-3 |
| 37 | 3.5.4 | Applicable Regulations | 3.5-5 |
| 38 | 3.5.5 | Impacts and Mitigation Measures..... | 3.5-14 |
| 39 | 3.5.6 | Significant Unavoidable Impacts | 3.5-111 |

| | | |
|----|---|---------------|
| 1 | Section 3.6 Ground Transportation | 3.6-1 |
| 2 | 3.6.1 Introduction | 3.6-3 |
| 3 | 3.6.2 Environmental Setting | 3.6-3 |
| 4 | 3.6.3 Applicable Regulations | 3.6-24 |
| 5 | 3.6.4 Impacts and Mitigation Measures..... | 3.6-22 |
| 6 | 3.6.5 Significant Unavoidable Impacts | 3.6-210 |
| 7 | Section 3.7 Groundwater and Soils | 3.7-1 |
| 8 | 3.7.1 Introduction..... | 3.7-3 |
| 9 | 3.7.2 Environmental Setting..... | 3.7-3 |
| 10 | 3.7.3 Applicable Regulations | 3.7-15 |
| 11 | 3.7.4 Impacts and Mitigation Measures..... | 3.7-19 |
| 12 | 3.7.5 Significant Unavoidable Impacts | 3.7-49 |
| 13 | Section 3.8 Hazards and Hazardous Materials..... | 3.8-1 |
| 14 | 3.8.1 Introduction | 3.8-3 |
| 15 | 3.8.2 Environmental Setting..... | 3.8-3 |
| 16 | 3.8.3 Applicable Regulations | 3.8-8 |
| 17 | 3.8.4 Impacts and Mitigation Measures..... | 3.8-9 |
| 18 | 3.8.5 Significant Unavoidable Impacts | 3.8-27 |
| 19 | Section 3.9 Marine Transportation | 3.9-1 |
| 20 | 3.9.1 Introduction | 3.9-5 |
| 21 | 3.9.2 Environmental Setting..... | 3.9-5 |
| 22 | 3.9.3 Applicable Regulations | 3.9-15 |
| 23 | 3.9.4 Impacts and Mitigation Measures..... | 3.9-18 |
| 24 | 3.9.5 Significant Unavoidable Impacts | 3.9-49 |
| 25 | Section 3.10 Noise..... | 3.10-1 |
| 26 | 3.10.1 Introduction | 3.10-3 |
| 27 | 3.10.2 Environmental Setting..... | 3.10-10 |
| 28 | 3.10.3 Applicable Regulations | 3.10-18 |
| 29 | 3.10.4 Impacts and Mitigation Measures..... | 3.10-20 |
| 30 | 3.10.5 Significant Unavoidable Impacts | 3.10-59 |
| 31 | Section 3.11 Water Quality, Sediments, and Oceanography..... | 3.11-1 |
| 32 | 3.11.1 Introduction | 3.11-3 |
| 33 | 3.11.2 Environmental Setting..... | 3.11-3 |
| 34 | 3.11.3 Applicable Regulations | 3.11-21 |
| 35 | 3.11.4 Impacts and Mitigation Measures..... | 3.11-28 |
| 36 | 3.11.5 Significant Unavoidable Impacts | 3.11-86 |
| 37 | Chapter 4 Cumulative Analysis | 4-1 |
| 38 | 4.1 Introduction..... | 4-3 |
| 39 | 4.1.1 Requirements for Cumulative Impact Analysis | 4-3 |

| | | | |
|----|------------------|--|------------|
| 1 | 4.1.2 | Projects Considered in the Cumulative Analysis | 4-4 |
| 2 | 4.2 | Cumulative Impact Analysis | 4-21 |
| 3 | 4.2.1 | Aesthetics and Visual Resources | 4-21 |
| 4 | 4.2.2 | Air Quality and Meteorology | 4-30 |
| 5 | 4.2.3 | Biological Resources | 4-49 |
| 6 | 4.2.4 | Cultural Resources | 4-64 |
| 7 | 4.2.5 | Greenhouse Gas Emissions | 4-70 |
| 8 | 4.2.6 | Ground Transportation | 4-72 |
| 9 | 4.2.7 | Groundwater and Soils | 4-104 |
| 10 | 4.2.8 | Hazards and Hazardous Materials | 4-108 |
| 11 | 4.2.9 | Marine Transportation | 4-111 |
| 12 | 4.2.10 | Noise | 4-113 |
| 13 | 4.2.11 | Water Quality, Sediments, and Oceanography | 4-118 |
| 14 | Chapter 5 | Environmental Justice..... | 5-1 |
| 15 | 5.1 | Introduction | 5-3 |
| 16 | 5.2 | Environmental Setting | 5-3 |
| 17 | 5.2.1 | Minority and Low-Income Populations..... | 5-3 |
| 18 | 5.3 | Applicable Regulations | 5-9 |
| 19 | 5.3.1 | Executive Order 12898: Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations..... | 5-9 |
| 20 | 5.3.2 | Council on Environmental Quality: Environmental Justice—Guidance under the National Environmental Policy Act..... | 5-10 |
| 21 | 5.3.3 | California Government Code Sections 65041–65049; Public Resources Code Sections 71110–71116 | 5-12 |
| 22 | 5.3.4 | California State Lands Commission Environmental Justice Policy | 5-13 |
| 23 | 5.3.5 | City of Los Angeles General Plan | 5-14 |
| 24 | 5.3.6 | South Coast Air Quality Management District: Environmental Justice Program..... | 5-14 |
| 25 | 5.4 | Assessment | 5-15 |
| 26 | 5.4.1 | Methodology | 5-15 |
| 27 | 5.4.2 | Proposed Project and Cumulative Effects | 5-17 |
| 28 | 5.4.3 | Alternative 1 – No Federal Action..... | 5-29 |
| 29 | 5.4.4 | Alternative 2 – No Project | 5-30 |
| 30 | 5.4.5 | Alternative 3 – Reduced Project: Reduced Wharf Improvements | 5-30 |
| 31 | 5.4.6 | Alternative 4 – Reduced Project: No Backland Improvements..... | 5-32 |
| 32 | 5.4.7 | Alternative 5 – Expanded On-Dock Railyard: Wharf and Backland Improvements with an Expanded TICTF | 5-34 |
| 33 | 5.4.8 | Summary of Disproportionate Effects on Minority and/or Low-Income Populations | 5-37 |
| 34 | 5.5 | Public Outreach | 5-38 |

| | | | |
|----|--|---|-------------|
| 1 | 5.5.1 | Alternative Forms of Distribution | 5-39 |
| 2 | 5.5.2 | Spanish Translation | 5-39 |
| 3 | Chapter 6 | Comparison of Alternatives | 6-1 |
| 4 | 6.1 | Introduction | 6-3 |
| 5 | 6.2 | CEQA Evaluation of Alternatives..... | 6-4 |
| 6 | 6.2.1 | CEQA Requirements | 6-4 |
| 7 | 6.2.2 | CEQA Alternatives Comparison | 6-5 |
| 8 | 6.2.3 | NEPA Requirements..... | 6-8 |
| 9 | 6.2.4 | NEPA Alternatives Comparison | 6-8 |
| 10 | Chapter 7 | Socioeconomics | 7-1 |
| 11 | 7.1 | Introduction | 7-3 |
| 12 | 7.2 | Environmental Setting..... | 7-3 |
| 13 | 7.2.1 | Socioeconomic Topics | 7-3 |
| 14 | 7.2.2 | Environmental Quality and the Role of the Port..... | 7-29 |
| 15 | 7.3 | Project Effects Related to Socioeconomics | 7-31 |
| 16 | 7.3.1 | Impact Methodology..... | 7-32 |
| 17 | 7.3.2 | Impact Determination..... | 7-38 |
| 18 | 7.3.3 | Summary of Impact Determinations | 7-56 |
| 19 | Chapter 8 | Growth-Inducing Impacts | 8-1 |
| 20 | 8.1 | Introduction | 8-1 |
| 21 | 8.2 | Summary of Growth-Inducing Impacts | 8-2 |
| 22 | 8.2.1 | Direct Growth-Inducing Impacts | 8-2 |
| 23 | 8.2.2 | Indirect Growth-Inducing Impacts..... | 8-3 |
| 24 | Chapter 9 | Significant Irreversible Impacts | 9-1 |
| 25 | 9.1 | Introduction | 9-1 |
| 26 | 9.2 | Analysis of Irreversible Changes..... | 9-1 |
| 27 | Chapter 10 References | | 10-1 |
| 28 | Executive Summary | | 10-1 |
| 29 | Chapter 1 Introduction..... | | 10-1 |
| 30 | Chapter 2 Project Description..... | | 10-2 |
| 31 | Chapter 3, Environmental Analysis..... | | 10-4 |
| 32 | Section 3.1 Aesthetics and Visual Resources..... | | 10-4 |
| 33 | Section 3.2 Air Quality and Meteorology..... | | 10-5 |
| 34 | Section 3.3 Biological Resources | | 10-7 |
| 35 | Section 3.4 Cultural Resources | | 10-15 |
| 36 | Section 3.5 Greenhouse Gas Emissions | | 10-24 |
| 37 | Section 3.6 Ground Transportation..... | | 10-27 |
| 38 | Section 3.7 Groundwater and Soils | | 10-28 |

| | | |
|----|---|-------------|
| 1 | Section 3.8 Hazards and Hazardous Materials | 10-30 |
| 2 | Section 3.9 Marine Transportation..... | 10-30 |
| 3 | Section 3.10 Noise | 10-31 |
| 4 | Section 3.11 Water Quality, Sediments, and Oceanography | 10-32 |
| 5 | Chapter 4 Cumulative Analysis | 10-37 |
| 6 | Chapter 5 Environmental Justice..... | 10-42 |
| 7 | Chapter 6 Comparison of Alternatives..... | 10-43 |
| 8 | Chapter 7 Socioeconomics..... | 10-43 |
| 9 | Chapter 8 Growth-Inducing Impacts | 10-45 |
| 10 | Chapter 9 Significant Irreversible Impacts | 10-45 |
| 11 | Chapter 11 List of Preparers and Contributors..... | 11-1 |
| 12 | 11.1 Los Angeles Harbor Department..... | 11-1 |
| 13 | 11.2 U. S. Army Corps of Engineers | 11-1 |
| 14 | 11.3 CDM Smith Inc..... | 11-1 |
| 15 | 11.3.1 Project Management Team..... | 11-1 |
| 16 | 11.3.2 Technical Team | 11-2 |
| 17 | 11.4 CDM Smith Inc. Subconsultant Firms..... | 11-2 |
| 18 | 11.4.1 EnviCraft..... | 11-2 |
| 19 | 11.4.2 Castle Environmental Consulting | 11-2 |
| 20 | 11.4.3 Starcrest Consulting Group, LLC | 11-2 |
| 21 | 11.4.4 MBC Applied Environmental Sciences | 11-2 |
| 22 | 11.4.5 Iteris, Inc. | 11-2 |
| 23 | 11.4.6 Cambridge Systematics, Inc. | 11-2 |
| 24 | 11.4.7 Illingworth & Rodkin, Inc..... | 11-3 |
| 25 | 11.4.8 SWCA Environmental Consultants..... | 11-3 |
| 26 | Chapter 12 Acronyms and Abbreviations | 12-1 |
| 27 | | |

Appendices

Figures

1

| | | Page |
|----|--|-------------|
| 2 | | |
| 3 | Figure ES-1 Regional Location Map | ES-2 |
| 4 | Figure ES-2 Project Vicinity Map | ES-8 |
| 5 | Figure ES-3 Proposed Project | ES-10 |
| 6 | Figure 1-1 Goods Movement Chain: Transportation Distribution | 1-7 |
| 7 | Figure 1-2 General Container Terminal Operations..... | 1-11 |
| 8 | Figure 1-3 Local Cargo Distribution from Port of Los Angeles..... | 1-16 |
| 9 | Figure 1-4: Transloaded Cargo | 1-17 |
| 10 | Figure 1-5: Direct Intermodal Cargo Flow | 1-18 |
| 11 | Figure 1-6 Location of Existing Near-Dock and Off-Dock Railyards..... | 1-20 |
| 12 | Figure 1-7 Cargo Forecasts for the San Pedro Bay Port Complex | 1-24 |
| 13 | Figure 1-8 San Pedro Bay Port Complex On-Dock Railyards..... | 1-28 |
| 14 | Figure 2-1 Regional Location Map | 2-10 |
| 15 | Figure 2-2 Project Vicinity Map | 2-12 |
| 16 | Figure 2-3 Project Site Map | 2-13 |
| 17 | Figure 2-4 Proposed Project | 2-28 |
| 18 | Figure 2-5 Proposed Buildings to be Demolished and Streets to be Closed or Improved..... | 2-30 |
| 20 | Figure 2-6 Berths 226-229 Typical Cross Sections | 2-32 |
| 21 | Figure 2-7 Berths 230-232 Typical Cross Sections | 2-33 |
| 22 | Figure 2-8 USACE Scope of Federal Review Permit Area | 2-45 |
| 23 | Figure 3.1-1 Location of Viewpoints and Scenic Routes | 3.1-8 |
| 24 | Figure 3.1-2 Simulation of Main Channel Viewpoint..... | 3.1-21 |
| 25 | Figure 3.1-3 Simulation of San Pedro Waterfront Viewpoint..... | 3.1-22 |

| | | | |
|----|---------------|--|---------|
| 1 | Figure 3.1-4 | Simulation of Nearest San Pedro Residential Area O'Farrell/Palos Verdes Viewpoint (VP-3)..... | 3.1-23 |
| 3 | Figure 3.2-1 | Isopleths of Residential Cancer Risk – Unmitigated Proposed Project – Future CEQA Increment..... | 3.2-70 |
| 5 | Figure 3.2-2 | Isopleths of Residential Cancer Risk – Unmitigated Proposed Project – NEPA Increment | 3.2-73 |
| 7 | Figure 3.2-3 | Isopleths of Residential Cancer Risk – Mitigated Proposed Project – NEPA Increment | 3.2-75 |
| 9 | Figure 3.2-4 | Isopleths of Residential Cancer Risk – Unmitigated Alternative 3 – Future CEQA Increment..... | 3.2-155 |
| 11 | Figure 3.2-5 | Isopleths of Residential Cancer Risk – Unmitigated Alternative 3 – NEPA Increment | 3.2-159 |
| 13 | Figure 3.2-6 | Isopleths of Residential Cancer Risk – Mitigated Alternative 3 – NEPA Increment..... | 3.2-161 |
| 15 | Figure 3.2-7 | Isopleths of Residential Cancer Risk – Unmitigated Alternative 4 – Future CEQA Increment..... | 3.2-200 |
| 17 | Figure 3.2-8 | Isopleths of Residential Cancer Risk – Unmitigated Alternative 4 – NEPA Increment | 3.2-203 |
| 19 | Figure 3.2-9 | Isopleths of Residential Cancer Risk – Unmitigated Alternative 5 – Future CEQA Increment..... | 3.2-239 |
| 21 | Figure 3.2-10 | Isopleths of Residential Cancer Risk – Unmitigated Alternative 5 – NEPA Increment | 3.2-242 |
| 23 | Figure 3.2-11 | Isopleths of Residential Cancer Risk – Mitigated Alternative 5 – NEPA Increment..... | 3.2-244 |
| 25 | Figure 3.3-1 | Location of the Project site in Los Angeles Harbor. Fish/invertebrate Stations LA 4 and LA 15 (MBC, 2016) marked with green circle. | 3.3-4 |
| 27 | Figure 3.3-2 | Least Tern Nesting at Los Angeles Harbor Nesting Sites, 1981–2014 | 3.3-15 |
| 28 | Figure 3.4-1 | Project Site and USACE Permit Area..... | 3.4-5 |
| 29 | Figure 3.4-2 | Port Development | 3.4-6 |
| 30 | Figure 3.4-3 | Geologic Map..... | 3.4-8 |
| 31 | Figure 3.4-4 | Former Rattlesnake Island | 3.4-9 |
| 32 | Figure 3.4-5 | Built Environment Survey Results | 3.4-31 |
| 33 | Figure 3.4-6 | Cultural Resources Within and Adjacent to Project Site and USACE Permit Area..... | 3.4-44 |
| 35 | Figure 3.4-7 | Archaeological Survey Map | 3.4-45 |

| | | | |
|----|---------------|---|---------|
| 1 | Figure 3.5-1 | GHG Emissions 2005-2015 | 3.5-42 |
| 2 | Figure 3.5-2 | Actual GHG Emissions 2005-2015 & 2015-2050 GHG Compliance Trajectory..... | 3.5-43 |
| 4 | Figure 3.6-1 | Study Intersections | 3.6-4 |
| 5 | Figure 3.6-2 | Study Freeway Segments..... | 3.6-9 |
| 6 | Figure 3.6-3 | Map of Southern California Freight Railroad Lines | 3.6-22 |
| 7 | Figure 3.6-4 | Total Arrivals and Departures for an Isolated Blockage..... | 3.6-30 |
| 8 | Figure 3.7-1 | Areas of Potential Concern | 3.7-6 |
| 9 | Figure 3.9-1 | Precautionary Area and Designated Vessel Traffic Lanes..... | 3.9-5 |
| 10 | Figure 3.10-1 | Noise Sensitive Receptors and Corresponding Noise Monitoring Sites..... | 3.10-11 |
| 11 | Figure 3.10-2 | Noise Measurement Results at LT-1 | 3.10-13 |
| 12 | Figure 3.10-3 | Noise Measurement Results at LT-2 | 3.10-14 |
| 13 | Figure 3.10-4 | Noise Measurement Results at LT-3 | 3.10-15 |
| 14 | Figure 3.11-1 | Location of proposed Project site and water quality stations LA 26 and LA 30 | 3.11-5 |
| 16 | Figure 3.11-2 | Temperature, DO, & pH in 2013 at Stations LA 26 (left) and LA 30 (right) | 3.11-7 |
| 18 | Figure 3.11-3 | Light transmission, turbidity, & salinity in 2013 at Stations LA 26 (left) and LA 30 (right) | 3.11-10 |
| 20 | Figure 3.11-4 | Location of Everport DMMUs and sediment sampling locations (from Ramboll Environ, 2015)..... | 3.11-15 |
| 22 | Figure 3.11-5 | Current patterns in Los Angeles and Long Beach Harbors predicted by the WRAP Model (POLA and POLB, 2009). Top: Typical flood tide currents. Bottom: Typical ebb tide currents | 3.11-20 |
| 25 | Figure 4-1 | Related and Cumulative Projects | 4-5 |
| 26 | Figure 5-1 | Percent Minority Population | 5-7 |
| 27 | Figure 5-2 | Percent of Low-Income Populations..... | 5-8 |
| 28 | | | |
| 29 | | | |
| 30 | | | |

Tables

| 2 | | Page |
|----|---|-------------|
| 3 | Table ES-1: Everport Container Terminal Crane Specifications..... | ES-13 |
| 4 | Table ES-2: Summary of Proposed Project and Alternatives | ES-17 |
| 5 | Table ES-3: Summary of Potential Significant Impacts and Mitigation for the 6 Proposed Project and Alternatives | ES-24 |
| 7 | Table ES-4: Summary of Comments on the NOI/NOP..... | ES-71 |
| 8 | Table 1-1: San Pedro Bay Ports Direct Intermodal Cargo Forecast | 1-26 |
| 9 | Table 1-2: Existing and Planned On-Dock Railyards..... | 1-27 |
| 10 | Table 1-3: Agencies that Are Expected to Use This EIS/EIR..... | 1-31 |
| 11 | Table 1-4: Summary of Key NOI/NOP Comments | 1-35 |
| 12 | Table 1-5: Organization and Contents of the Draft EIS/EIR | 1-42 |
| 13 | Table 1-6: Correlated CEQA and NEPA Terminology | 1-44 |
| 14 | Table 2-1: Existing and Projected Berths 226-236 [Everport] Container Terminal 15 Throughput | 2-4 |
| 16 | Table 2-2: Existing Everport Container Terminal Crane Specifications | 2-14 |
| 17 | Table 2-3: Construction Schedule..... | 2-37 |
| 18 | Table 2-4: Terminal Throughput for NEPA Baseline Study Years | 2-42 |
| 19 | Table 2-5: Summary of Proposed Project and Alternatives | 2-46 |
| 20 | Table 2-6: Consistency with Applicable Plans, Policies, and Regulatory 21 Requirements | 2-58 |
| 22 | | |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |

| | | |
|----|--|--------|
| 1 | | |
| 2 | Table 3.1-1: Visual Modification Class Definitions..... | 3.1-17 |
| 3 | Table 3.1-2: Everport Container Terminal Crane Specifications..... | 3.1-18 |
| 4 | Table 3.1-3: Summary of AES-5 Impacts for Proposed Project..... | 3.1-27 |
| 5 | Table 3.1-4: Summary Matrix of Potential Impacts and Mitigation Measures for 6 Aesthetics and Visual Resources Associated with the Proposed 7 Project and Alternatives | 3.1-43 |
| 8 | Table 3.2-1: Adverse Effects Associated with Criteria Pollutants | 3.2-7 |
| 9 | Table 3.2-2: Maximum Pollutant Concentrations Measured at the TITP Station..... | 3.2-9 |
| 10 | Table 3.2-3: Peak Daily Operational Emissions: CEQA Baseline (2013) (lbs/day) | 3.2-16 |
| 11 | Table 3.2-4: Peak Daily Construction Emissions—NEPA Baseline (lbs/day)..... | 3.2-17 |
| 12 | Table 3.2-5: Peak Daily Operational Emissions—NEPA Baseline (lbs/day) | 3.2-18 |
| 13 | Table 3.2-6: SCAQMD Thresholds for Construction Emissions..... | 3.2-20 |
| 14 | Table 3.2-7: SCAQMD Thresholds for Ambient Air Quality Concentrations 15 Associated with Project Construction | 3.2-21 |
| 16 | Table 3.2-8: SCAQMD Thresholds for Operational Emissions | 3.2-22 |
| 17 | Table 3.2-9: SCAQMD Thresholds for Ambient Air Quality Concentrations 18 Associated with Project Operation | 3.2-23 |
| 19 | Table 3.2-10A: Peak Daily Construction Emissions — Proposed Project — Ocean 20 Disposal (lbs/day) | 3.2-25 |
| 21 | Table 3.2-10B: Peak Daily Construction Emissions — Proposed Project — Upland 22 Disposal (lbs/day) | 3.2-27 |
| 23 | Table 3.2-11: Peak Daily Combined Construction and Operational Emissions — 24 Proposed Project (lbs/day) | 3.2-29 |
| 25 | Table 3.2-12: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations 26 (CEQA) — Proposed Project Construction..... | 3.2-35 |
| 27 | Table 3.2-13: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (CEQA) 28 — Proposed Project Construction | 3.2-36 |
| 29 | Table 3.2-14: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations 30 (CEQA) — Proposed Project Combined Construction and Operation | 3.2-37 |
| 31 | Table 3.2-15: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (CEQA) 32 — Proposed Project Combined Construction and Operation..... | 3.2-38 |
| 33 | Table 3.2-16: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations 34 (NEPA) — Proposed Project Construction | 3.2-41 |

| | | |
|----|--|--------|
| 1 | Table 3.2-17: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (NEPA) — Proposed Project Construction | 3.2-42 |
| 3 | Table 3.2-18: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (NEPA) — Proposed Project Combined Construction and Operation..... | 3.2-43 |
| 5 | Table 3.2-19: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (NEPA) — Proposed Project Combined Construction and Operation..... | 3.2-44 |
| 7 | Table 3.2-20: Peak Daily Operational Emissions — Proposed Project (lbs/day)..... | 3.2-46 |
| 8 | Table 3.2-21: Comparison between San Pedro Bay Ports 2010 CAAP Update Control Measures and Proposed Project Mitigation Measures | 3.2-53 |
| 10 | Table 3.2-22: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (CEQA) — Proposed Project Operation | 3.2-60 |
| 12 | Table 3.2-23: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (CEQA) — Proposed Project Operation | 3.2-61 |
| 14 | Table 3.2-24: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (NEPA) — Proposed Project Operation | 3.2-63 |
| 16 | Table 3.2-25: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (NEPA) — Proposed Project Operation | 3.2-64 |
| 18 | Table 3.2-26: Maximum CEQA Health Impacts Estimated for Construction and Operation of the Proposed Project | 3.2-68 |
| 20 | Table 3.2-27: Maximum NEPA Health Impacts Estimated for Construction and Operation of the Proposed Project | 3.2-71 |
| 22 | Table 3.2-28: Comparison of Air Quality Impacts Associated with Proposed Project and Alternatives | 3.2-78 |
| 24 | Table 3.2-29: Peak Daily Construction Emissions — Alternative 1, No Federal Action (lbs/day) | 3.2-83 |
| 26 | Table 3.2-30: Peak Daily Combined Construction and Operational Emissions — Alternative 1, No Federal Action (lbs/day) | 3.2-85 |
| 28 | Table 3.2-31: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (CEQA)—Alternative 1 Construction | 3.2-89 |
| 30 | Table 3.2-32: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (CEQA)—Alternative 1 Construction | 3.2-90 |
| 32 | Table 3.2-33: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (CEQA)—Alternative 1 Construction and Operation | 3.2-91 |
| 34 | Table 3.2-34: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (CEQA)—Alternative 1 Construction and Operation | 3.2-92 |
| 36 | Table 3.2-35: Peak Daily Operational Emissions—Alternative 1 (lbs/day) | 3.2-95 |

| | | |
|----|--|---------|
| 1 | Table 3.2-36: Maximum Off-site NO ₂ , SO ₂ , and CO Concentrations (CEQA)—Alternative 1 Operation | 3.2-100 |
| 3 | Table 3.2-37: Maximum Off-site PM10 and PM2.5 Concentrations (CEQA)—Alternative 1 Operation | 3.2-101 |
| 5 | Table 3.2-38: Maximum CEQA Health Impacts Estimated for Construction and Operation of Alternative 1 | 3.2-105 |
| 7 | Table 3.2-39: Maximum Off-site NO ₂ , SO ₂ , and CO Concentrations (CEQA)—Alternative 2 Operation | 3.2-112 |
| 9 | Table 3.2-40: Maximum Off-site PM10 and PM2.5 Concentrations (CEQA)—Alternative 2 Operation | 3.2-113 |
| 11 | Table 3.2-41: Maximum CEQA Health Impacts Estimated for Operation of Alternative 2..... | 3.2-117 |
| 13 | Table 3.2-42A: Peak Daily Construction Emissions — Alternative 3 – Ocean Disposal (lbs/day) | 3.2-121 |
| 15 | Table 3.2-42B: Peak Daily Construction Emissions — Alternative 3 – Upland Disposal (lbs/day) | 3.2-123 |
| 17 | Table 3.2-43: Peak Daily Combined Construction and Operational Emissions – Alternative 3 (lbs/day) | 3.2-125 |
| 19 | Table 3.2-44: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (CEQA) — Alternative 3 Construction | 3.2-130 |
| 21 | Table 3.2-45: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (CEQA) — Alternative 3 Construction | 3.2-131 |
| 23 | Table 3.2-46: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (CEQA)—Alternative 3 Construction and Operation..... | 3.2-132 |
| 25 | Table 3.2-47: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (CEQA)—Alternative 3 Construction and Operation..... | 3.2-133 |
| 27 | Table 3.2-48: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (NEPA)—Alternative 3 Construction..... | 3.2-135 |
| 29 | Table 3.2-49: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (NEPA) — Alternative 3 Construction | 3.2-136 |
| 31 | Table 3.2-50: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (NEPA) — Alternative 3 Construction and Operation | 3.2-137 |
| 33 | Table 3.2-51: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (NEPA)—Alternative 3 Construction and Operation without Mitigation | 3.2-138 |
| 35 | Table 3.2-52: Peak Daily Operational Emissions — Alternative 3 (lbs/day) | 3.2-141 |

| | | |
|----|--|---------|
| 1 | Table 3.2-53: Maximum Off-site NO ₂ , SO ₂ , and CO Concentrations (CEQA) — Alternative 3 Operation | 3.2-146 |
| 3 | Table 3.2-54: Maximum Off-site PM10 and PM2.5 Concentrations (CEQA) — Alternative 3 Operation | 3.2-147 |
| 5 | Table 3.2-55: Maximum Off-site NO ₂ , SO ₂ , and CO Concentrations (NEPA) — Alternative 3 Operation | 3.2-149 |
| 7 | Table 3.2-56: Maximum Off-site PM10 and PM2.5 Concentrations (NEPA) — Alternative 3 Operation | 3.2-150 |
| 9 | Table 3.2-57: Maximum CEQA Health Impacts Estimated for Construction and Operation of Alternative 3 | 3.2-153 |
| 11 | Table 3.2-58: Maximum NEPA Health Impacts Estimated for Construction and Operation of Alternative 3 | 3.2-157 |
| 13 | Table 3.2-59A: Peak Daily Construction Emissions — Alternative 4 – Ocean Disposal (lbs/day) | 3.2-164 |
| 15 | Table 3.2-59B: Peak Daily Construction Emissions — Alternative 4 – Upland Disposal (lbs/day) | 3.2-166 |
| 17 | Table 3.2-60: Peak Daily Combined Construction and Operational Emissions — Alternative 4 (lbs/day) | 3.2-168 |
| 19 | Table 3.2-61: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (CEQA) — Alternative 4 Construction | 3.2-173 |
| 21 | Table 3.2-62: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (CEQA) — Alternative 4 Construction | 3.2-174 |
| 23 | Table 3.2-63: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (CEQA) — Alternative 4 Construction and Operation | 3.2-175 |
| 25 | Table 3.2-64: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (CEQA) — Alternative 4 Construction and Operation | 3.2-176 |
| 27 | Table 3.2-65: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (NEPA) — Alternative 4 Construction | 3.2-178 |
| 29 | Table 3.2-66: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (NEPA) — Alternative 4 Construction | 3.2-179 |
| 31 | Table 3.2-67: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (NEPA) — Alternative 4 Construction and Operation | 3.2-180 |
| 33 | Table 3.2-68: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (NEPA) — Alternative 4 Construction and Operation | 3.2-181 |
| 35 | Table 3.2-69: Peak Daily Operational Emissions — Alternative 4 (lbs/day) | 3.2-184 |

| | | |
|----|---|---------|
| 1 | Table 3.2-70: Maximum Off-site NO ₂ , SO ₂ , and CO Concentrations (CEQA) — Alternative 4 Operation | 3.2-190 |
| 3 | Table 3.2-71: Maximum Off-site PM10 and PM2.5 Concentrations (CEQA) — Alternative 4 Operation | 3.2-191 |
| 5 | Table 3.2-72: Maximum Off-site NO ₂ , SO ₂ , and CO Concentrations (NEPA) — Alternative 4 Operation | 3.2-193 |
| 7 | Table 3.2-73: Maximum Off-site PM10 and PM2.5 Concentrations (NEPA) — Alternative 4 Operation | 3.2-194 |
| 9 | Table 3.2-74: Maximum CEQA Health Impacts Estimated for Construction and Operation of Alternative 4 | 3.2-198 |
| 11 | Table 3.2-75: Maximum NEPA Health Impacts Estimated for Construction and Operation of Alternative 4 | 3.2-202 |
| 13 | Table 3.2-76A: Peak Daily Construction Emissions — Alternative 5 – Ocean Disposal (lbs/day) | 3.2-206 |
| 15 | Table 3.2-76B: Peak Daily Construction Emissions — Alternative 5 — Upland Disposal (lbs/day) | 3.2-208 |
| 17 | Table 3.2-77: Peak Daily Combined Construction and Operational Emissions — Alternative 5 (lbs/day) | 3.2-210 |
| 19 | Table 3.2-78: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (CEQA)—Alternative 5 Construction | 3.2-215 |
| 21 | Table 3.2-79: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (CEQA) — Alternative 5 Construction | 3.2-216 |
| 23 | Table 3.2-80: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (CEQA)— Alternative 5 Combined Construction and Operation | 3.2-217 |
| 25 | Table 3.2-81: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (CEQA) — Alternative 5 Combined Construction and Operation | 3.2-218 |
| 27 | Table 3.2-82: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (NEPA) — Alternative 5 Construction..... | 3.2-220 |
| 29 | Table 3.2-83: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (NEPA)— Alternative 5 Construction..... | 3.2-221 |
| 31 | Table 3.2-84: Maximum Off-site Ambient NO ₂ , SO ₂ , and CO Concentrations (NEPA) — Alternative 5 Combined Construction and Operation | 3.2-222 |
| 33 | Table 3.2-85: Maximum Off-site Ambient PM10 and PM2.5 Concentrations (NEPA) — Alternative 5 Combined Construction and Operation | 3.2-223 |
| 35 | Table 3.2-86: Peak Daily Operational Emissions — Alternative 5 (lbs/day) | 3.2-225 |

| | | |
|----|---|---------|
| 1 | Table 3.2-87: Maximum Off-site NO ₂ , SO ₂ , and CO Concentrations (CEQA) — Alternative 5 Operation | 3.2-230 |
| 3 | Table 3.2-88: Maximum Off-site PM10 and PM2.5 Concentrations (CEQA) — Alternative 5 Operation | 3.2-231 |
| 5 | Table 3.2-89: Maximum Off-site NO ₂ , SO ₂ , and CO Concentrations (NEPA) — Alternative 5 Operation | 3.2-233 |
| 7 | Table 3.2-90: Maximum Off-site PM10 and PM2.5 Concentrations (NEPA) — Alternative 5 Operation | 3.2-234 |
| 9 | Table 3.2-91: Maximum CEQA Health Impacts Estimated for Construction and Operation of Alternative 5 | 3.2-237 |
| 11 | Table 3.2-92: Maximum NEPA Health Impacts Estimated for Construction and Operation of Alternative 5 | 3.2-241 |
| 13 | Table 3.2-93: Summary Matrix of Potential Impacts and Mitigation Measures for Air Quality Associated with the Proposed Project and Alternatives..... | 3.2-247 |
| 15 | Table 3.3-1: Plant Species Observed at the 22-acre Expansion Site, January 2015 | 3.3-6 |
| 16 | Table 3.3-2: Bird Species Observed and Heard at the 22-acre Expansion Site, January 2015 | 3.3-7 |
| 18 | Table 3.3-3: Threatened and Endangered Bird Species in the Proposed Project Area | 3.3-12 |
| 20 | Table 3.3-4: Special Status Bird Species (Designated by CDFW and USFWS) in the Proposed Project Area | 3.3-13 |
| 22 | Table 3.3-5: Special-Status Marine Mammal Species (Designated by CDFW and USFWS) in the Project Area | 3.3-17 |
| 24 | Table 3.3-6: Managed Fish/Invertebrate Species Most Likely to Occur at or near the Project Site in Los Angeles Harbor Based on Past Occurrences..... | 3.3-22 |
| 26 | Table 3.3-7: Summary Matrix of Potential Impacts and Mitigation Measures for Biological Resources Associated with the Proposed Project and Alternatives | 3.3-85 |
| 29 | Table 3.4-1: Properties on Terminal Island Evaluated for Historic Significance | 3.4-32 |
| 30 | Table 3.4-2: Coordination with Local Native American Groups by LAHD | 3.4-49 |
| 31 | Table 3.4-3: Summary Matrix of Potential Impacts and Mitigation Measures for Cultural Resources Associated with the Proposed Project and Alternatives | 3.4-95 |
| 34 | Table 3.5-1: Annual Operational GHG Emissions—CEQA Baseline 2013 (mty) | 3.5-17 |
| 35 | Table 3.5-2: Annual Construction GHG Emissions – NEPA Baseline (mty) | 3.5-19 |

| | | |
|----|--|--------|
| 1 | Table 3.5-3: Annual Operational GHG Emissions – NEPA Baseline (mty) | 3.5-20 |
| 2 | Table 3.5-4A: Construction GHG Emissions without Mitigation – Proposed Project – 3 Ocean Disposal (mty) | 3.5-26 |
| 4 | Table 3.5-4B: Construction GHG Emissions without Mitigation – Proposed Project – 5 Upland Disposal (mty)..... | 3.5-26 |
| 6 | Table 3.5-5: Construction and Operational GHG Emissions without Mitigation – 7 Proposed Project (mty) | 3.5-27 |
| 8 | Table 3.5-6A: Construction GHG Emissions with Mitigation – Proposed Project (mty) 9 – Ocean Disposal..... | 3.5-35 |
| 10 | Table 3.5-6B: Construction GHG Emissions with Mitigation – Proposed Project (mty) 11 – Upland Disposal..... | 3.5-35 |
| 12 | Table 3.5-7: Construction and Operational GHG Emissions with Mitigation – 13 Proposed Project (mty) | 3.5-36 |
| 14 | Table 3.5-8: Consideration of Key State and Local GHG-Reducing Plans and 15 Policies | 3.5-44 |
| 16 | Table 3.5-9: Construction GHG Emissions without Mitigation – Alternative 1 (mty)..... | 3.5-53 |
| 17 | Table 3.5-10: Construction and Operational GHG Emissions without Mitigation – 18 Alternative 1 (mty)..... | 3.5-53 |
| 19 | Table 3.5-11: Construction and Operational GHG Emissions with Mitigation – 20 Alternative 1 (mty)..... | 3.5-56 |
| 21 | Table 3.5-12: Operational GHG Emissions – Alternative 2 (mty)..... | 3.5-60 |
| 22 | Table 3.5-13A: Construction GHG Emissions without Mitigation – Alternative 3 – 23 Ocean Disposal (mty) | 3.5-64 |
| 24 | Table 3.5-13B: Construction GHG Emissions without Mitigation – Alternative 3 – 25 Upland Disposal (mty)..... | 3.5-64 |
| 26 | Table 3.5-14: Construction and Operational GHG Emissions without Mitigation – 27 Alternative 3 (mty)..... | 3.5-65 |
| 28 | Table 3.5-15A: Construction GHG Emissions With Mitigation – Alternative 3 – Ocean 29 Disposal (mty) | 3.5-71 |
| 30 | Table 3.5-15B: Construction GHG Emissions With Mitigation – Alternative 3 – Upland 31 Disposal (mty) | 3.5-71 |
| 32 | Table 3.5-16: Construction and Operational GHG Emissions with Mitigation – 33 Alternative 3 (mty)..... | 3.5-72 |
| 34 | Table 3.5-17A: Construction GHG Emissions without Mitigation – Alternative 4 – 35 Ocean Disposal (mty) | 3.5-78 |

| | | |
|----|--|---------|
| 1 | Table 3.5-17B: Construction GHG Emissions without Mitigation – Alternative 4 – Upland Disposal (mty)..... | 3.5-79 |
| 3 | Table 3.5-18: Construction and Operational GHG Emissions without Mitigation – Alternative 4 (mty)..... | 3.5-79 |
| 5 | Table 3.5-19A: Construction GHG Emissions with Mitigation – Alternative 4 (mty) – Ocean Disposal | 3.5-85 |
| 7 | Table 3.5-19B: Construction GHG Emissions with Mitigation – Alternative 4 (mty) – Upland Disposal..... | 3.5-86 |
| 9 | Table 3.5-20: Construction and Operational GHG Emissions with Mitigation – Alternative 4 (mty)..... | 3.5-86 |
| 11 | Table 3.5-21A: Construction GHG Emissions without Mitigation – Alternative 5 – Ocean Disposal (mty) | 3.5-93 |
| 13 | Table 3.5-21B: Construction GHG Emissions without Mitigation – Alternative 5 – Upland Disposal (mty)..... | 3.5-93 |
| 15 | Table 3.5-22: Construction and Operational GHG Emissions without Mitigation – Alternative 5 (mty)..... | 3.5-94 |
| 17 | Table 3.5-23A: Construction GHG Emissions with Mitigation – Alternative 5 (mty) – Ocean Disposal | 3.5-100 |
| 19 | Table 3.5-23B: Construction GHG Emissions with Mitigation – Alternative 5 (mty) – Upland Disposal..... | 3.5-100 |
| 21 | Table 3.5-24: Construction and Operational GHG Emissions with Mitigation – Alternative 5 (mty)..... | 3.5-101 |
| 23 | Table 3.5-25: Summary Matrix of Impacts and Mitigation Measures for GHG Associated with the Proposed Project and Alternatives..... | 3.5-107 |
| 25 | Table 3.6-1: Level of Service Criteria—Intersections | 3.6-11 |
| 26 | Table 3.6-2: Freeway HCM Level of Service Criteria | 3.6-13 |
| 27 | Table 3.6-3: Freeway CMP Level of Service Criteria..... | 3.6-14 |
| 28 | Table 3.6-4: CEQA Baseline Intersection Level of Service..... | 3.6-15 |
| 29 | Table 3.6-5: CEQA Baseline Freeway Level of Service | 3.6-16 |
| 30 | Table 3.6-6: Baseline Transit Service | 3.6-19 |
| 31 | Table 3.6-7: Time Periods of the Day..... | 3.6-33 |
| 32 | Table 3.6-8: Alameda Corridor Train Volume by Time of Day, 2010 | 3.6-34 |
| 33 | Table 3.6-9: BNSF Train Volume at Highgrove in Riverside County by Time of Day, 2010..... | 3.6-34 |

| | | |
|----|---|--------|
| 1 | Table 3.6-10: Hourly Factors Applied to Average Daily Traffic (ADT), by County | 3.6-35 |
| 2 | Table 3.6-11: BNSF San Bernardino Subdivision, from Hobart Yard to San Bernardino, 2013 CEQA Baseline | 3.6-36 |
| 4 | Table 3.6-12: BNSF Cajon Subdivision from San Bernardino to Barstow, 2013 CEQA Baseline | 3.6-39 |
| 6 | Table 3.6-13: UP Alhambra Subdivision from Los Angeles Transportation Center (LATC) to Colton Crossing, 2013 CEQA Baseline (Excluding Segment That is Combined with UP Los Angeles Subdivision) | 3.6-40 |
| 9 | Table 3.6-14: UP Los Angeles Subdivision from East Los Angeles Yard to West Riverside Junction, 2013 CEQA Baseline (Excluding Segment That is Combined with UP Alhambra Subdivision) | 3.6-42 |
| 12 | Table 3.6-15: Combined UP Alhambra and Los Angeles Subdivisions in Pomona and Montclair Area, 2013 CEQA Baseline..... | 3.6-44 |
| 14 | Table 3.6-16: UP Yuma Subdivision from Colton Crossing to Indio, 2013 CEQA Baseline | 3.6-45 |
| 16 | Table 3.6-17: Annual TEUs: CEQA Baseline and 2038 Proposed Project and Alternatives | 3.6-52 |
| 18 | Table 3.6-18: Analysis Scenario Average Vehicle Miles Traveled by Trip | 3.6-54 |
| 19 | Table 3.6-19: Impact Threshold for Rail Impacts..... | 3.6-57 |
| 20 | Table 3.6-20: Intersection Level of Service Analysis—CEQA Baseline Compared to Proposed Project Construction Period Conditions..... | 3.6-61 |
| 22 | Table 3.6-21: Intersection Level of Service Analysis—2017 NEPA Baseline Compared to Proposed Project - 2017 Construction Period Conditions | 3.6-62 |
| 24 | Table 3.6-22: Intersection Level of Service Analysis—2018 NEPA Baseline Compared to Proposed Project - 2018 Construction Period Conditions | 3.6-63 |
| 26 | Table 3.6-23: Trip Generation Analysis Assumptions and Input Data for Everport Container Terminal: CEQA Impact Determination | 3.6-66 |
| 28 | Table 3.6-24: Trip Generation Analysis Assumptions and Input Data for Everport Container Terminal: Year 2019 | 3.6-67 |
| 30 | Table 3.6-25: Trip Generation Analysis Assumptions and Input Data for Everport Container Terminal: Year 2026 | 3.6-67 |
| 32 | Table 3.6-26: Trip Generation Analysis Assumptions and Input Data for Everport Container Terminal: Year 2038 | 3.6-67 |
| 34 | Table 3.6-27: Intersection Level of Service Analysis—CEQA Baseline Compared to 2038 With Proposed Project | 3.6-69 |

| | | |
|----|--|--------|
| 1 | Table 3.6-28: Intersection Level of Service Analysis—2019 NEPA Baseline Compared to 2019 With Proposed Project | 3.6-70 |
| 3 | Table 3.6-29: Intersection Level of Service Analysis—2026 NEPA Baseline Compared to 2026 With Proposed Project | 3.6-71 |
| 5 | Table 3.6-30: Intersection Level of Service Analysis—2038 NEPA Baseline Compared to 2038 With Proposed Project | 3.6-72 |
| 7 | Table 3.6-31: State Highway System Queuing Analysis – 2038 With Project Conditions..... | 3.6-75 |
| 9 | Table 3.6-32: CEQA Baseline Compared to 2038 With Proposed Project - Freeway Analysis—A.M. Peak | 3.6-77 |
| 11 | Table 3.6-33: CEQA Baseline Compared to 2038 With Proposed Project - Freeway Analysis—P.M. Peak | 3.6-78 |
| 13 | Table 3.6-34: 2019 NEPA Baseline Compared to 2019 With Proposed Project - Freeway Analysis—A.M. Peak | 3.6-79 |
| 15 | Table 3.6-35: 2019 NEPA Baseline Compared to 2019 With Proposed Project - Freeway Analysis—P.M. Peak | 3.6-80 |
| 17 | Table 3.6-36: 2026 NEPA Baseline Compared to 2026 With Proposed Project - Freeway Analysis—A.M. Peak | 3.6-81 |
| 19 | Table 3.6-37: 2026 NEPA Baseline Compared to 2026 With Proposed Project - Freeway Analysis—P.M. Peak..... | 3.6-82 |
| 21 | Table 3.6-38: 2038 NEPA Baseline Compared to 2038 With Proposed Project - Freeway Analysis—A.M. Peak | 3.6-83 |
| 23 | Table 3.6-39: 2038 NEPA Baseline Compared to 2038 With Proposed Project - Freeway Analysis—P.M. Peak | 3.6-84 |
| 25 | Table 3.6-40: CEQA Baseline Conditions (2013) Average Daily Rail Volumes in the Peak Month and Project Trains by Rail Segment, Trains per Day | 3.6-86 |
| 27 | Table 3.6-41: BNSF Cajon Subdivision, from San Bernardino to Barstow, 2013 Baseline Plus 2038 Proposed Project | 3.6-90 |
| 29 | Table 3.6-42: BNSF San Cajon Subdivision, from San Bernardino to Barstow, 2013 Baseline Plus 2038 Proposed Project | 3.6-94 |
| 31 | Table 3.6-43: UP Alhambra Subdivision from Los Angeles Transportation Center (LATC) to Colton Crossing, 2013 Baseline Plus 2038 Proposed Project (Excluding Segment That is Combined with UP Los Angeles Subdivision) | 3.6-96 |
| 35 | Table 3.6-44: UP Los Angeles Subdivision from East Los Angeles Yard to West Riverside Junction, 2013 Baseline Plus 2038 Proposed Project (Excluding Segment That is Combined with UP Alhambra Subdivision) | 3.6-98 |

| | | |
|----|---|---------|
| 1 | Table 3.6-45: Combined UP Alhambra and Los Angeles Subdivisions in Pomona and Montclair Area, 2013 Baseline Plus 2038 Proposed Project..... | 3.6-100 |
| 3 | Table 3.6-46: UP Yuma Subdivision from Colton Crossing to Indio, 2013 Baseline Plus 2038 Proposed Project..... | 3.6-101 |
| 5 | Table 3.6-47: Trip Generation Analysis Assumptions and Input Data for Everport Container Terminal: CEQA Impact Determination | 3.6-106 |
| 7 | Table 3.6-48: Intersection Level of Service Analysis—CEQA Baseline Compared to Alternative 1 - 2038 Conditions | 3.6-109 |
| 9 | Table 3.6-49: CEQA Baseline Compared to Alternative 1 - 2038 Freeway Analysis—A.M. Peak | 3.6-113 |
| 11 | Table 3.6-50: CEQA Baseline Compared to Alternative 1 - 2038 Freeway Analysis—P.M. Peak | 3.6-114 |
| 13 | Table 3.6-51: Trip Generation Analysis Assumptions and Input Data for Everport Container Terminal: Year 2038 | 3.6-124 |
| 15 | Table 3.6-52: Trip Generation Analysis Alternative 3 Assumptions and Input Data for Everport Container Terminal: Year 2019..... | 3.6-125 |
| 17 | Table 3.6-53: Trip Generation Analysis Alternative 3 Assumptions and Input Data for Everport Container Terminal: Year 2026..... | 3.6-125 |
| 19 | Table 3.6-54: Trip Generation Analysis Alternative 3 Assumptions and Input Data for Everport Container Terminal: Year 2038..... | 3.6-125 |
| 21 | Table 3.6-55: Intersection Level of Service Analysis—CEQA Baseline Compared to 2038 with Alternative 3..... | 3.6-127 |
| 23 | Table 3.6-56: Intersection Level of Service Analysis—2019 NEPA Baseline Compared to 2019 with Alternative 3 | 3.6-128 |
| 25 | Table 3.6-57: Intersection Level of Service Analysis—2026 NEPA Baseline Compared to 2026 with Alternative 3 | 3.6-129 |
| 27 | Table 3.6-58: Intersection Level of Service Analysis—2038 NEPA Baseline Compared to 2038 with Alternative 3 | 3.6-130 |
| 29 | Table 3.6-59: CEQA Baseline Compared to Alternative 3 - 2038 Freeway Analysis—A.M. Peak | 3.6-133 |
| 31 | Table 3.6-60: CEQA Baseline Compared to Alternative 3 - 2038 Freeway Analysis—P.M. Peak | 3.6-134 |
| 33 | Table 3.6-61: 2019 NEPA Baseline Compared to 2019 With Alternative 3 - Freeway Analysis—A.M. Peak | 3.6-135 |
| 35 | Table 3.6-62: 2019 NEPA Baseline Compared to 2019 With Alternative 3 - Freeway Analysis—P.M. Peak | 3.6-136 |

| | | |
|----|---|---------|
| 1 | Table 3.6-63: 2026 NEPA Baseline Compared to 2026 With Alternative 3 - Freeway Analysis—A.M. Peak | 3.6-137 |
| 3 | Table 3.6-64: 2026 NEPA Baseline Compared to 2026 With Alternative 3 - Freeway Analysis—P.M. Peak | 3.6-138 |
| 5 | Table 3.6-65: 2038 NEPA Baseline Compared to 2038 With Alternative 3 - Freeway Analysis—A.M. Peak | 3.6-139 |
| 7 | Table 3.6-66: 2038 NEPA Baseline Compared to 2038 With Alternative 3 - Freeway Analysis—P.M. Peak | 3.6-140 |
| 9 | Table 3.6-67: Trip Generation Analysis Assumptions and Input Data for Everport Container Terminal: Year 2038 – Alternative 4..... | 3.6-144 |
| 11 | Table 3.6-68: Trip Generation Analysis Alternative 4 Assumptions and Input Data for Everport Container Terminal: Year 2019..... | 3.6-145 |
| 13 | Table 3.6-69: Trip Generation Analysis Alternative 4 Assumptions and Input Data for Everport Container Terminal: Year 2026..... | 3.6-146 |
| 15 | Table 3.6-70: Trip Generation Analysis Alternative 4 Assumptions and Input Data for Everport Container Terminal: Year 2038..... | 3.6-146 |
| 17 | Table 3.6-71: Intersection Level of Service Analysis—CEQA Baseline Compared to 2038 With Alternative 4 | 3.6-149 |
| 19 | Table 3.6-72: Intersection Level of Service Analysis—2019 NEPA Baseline Compared to 2019 With Alternative 4..... | 3.6-150 |
| 21 | Table 3.6-73: Intersection Level of Service Analysis—2026 NEPA Baseline Compared to 2026 With Alternative 4..... | 3.6-151 |
| 23 | Table 3.6-74: Intersection Level of Service Analysis—2038 NEPA Baseline Compared to 2038 With Alternative 4..... | 3.6-154 |
| 25 | Table 3.6-75: CEQA Baseline Compared to Alternative 4 - 2038 Freeway Analysis—A.M. Peak | 3.6-155 |
| 27 | Table 3.6-76: CEQA Baseline Compared to Alternative 4 - 2038 Freeway Analysis—P.M. Peak | 3.6-156 |
| 29 | Table 3.6-77: 2019 NEPA Baseline Compared to 2019 With Alternative 4 - Freeway Analysis—A.M. Peak | 3.6-157 |
| 31 | Table 3.6-78: 2019 NEPA Baseline Compared to 2019 With Alternative 4 - Freeway Analysis—P.M. Peak | 3.6-158 |
| 33 | Table 3.6-79: 2026 NEPA Baseline Compared to 2026 With Alternative 4 - Freeway Analysis—A.M. Peak | 3.6-159 |
| 35 | Table 3.6-80: 2026 NEPA Baseline Compared to 2026 With Alternative 4 - Freeway Analysis—P.M. Peak | 3.6-160 |

| | | |
|----|---|---------|
| 1 | Table 3.6-81: 2038 NEPA Baseline Compared to 2038 With Alternative 4 - Freeway Analysis—A.M. Peak | 3.6-161 |
| 3 | Table 3.6-82: 2038 NEPA Baseline Compared to 2038 With Alternative 4 - Freeway Analysis—P.M. Peak | 3.6-162 |
| 5 | Table 3.6-83: Trip Generation Analysis Assumptions and Input Data for Everport Container Terminal: Year 2038 – Alternative 5..... | 3.6-166 |
| 7 | Table 3.6-84: Trip Generation Analysis Alternative 5 Assumptions and Input Data for Everport Container Terminal: Year 2019..... | 3.6-167 |
| 9 | Table 3.6-85: Trip Generation Analysis Alternative 5 Assumptions and Input Data for Everport Container Terminal: Year 2026..... | 3.6-167 |
| 11 | Table 3.6-86: Trip Generation Analysis Alternative 5 Assumptions and Input Data for Everport Container Terminal: Year 2038..... | 3.6-168 |
| 13 | Table 3.6-87: Intersection Level of Service Analysis—CEQA Baseline Compared to 2038 With Alternative 5 | 3.6-169 |
| 15 | Table 3.6-88: Intersection Level of Service Analysis—2019 NEPA Baseline Compared to 2019 With Alternative 5..... | 3.6-170 |
| 17 | Table 3.6-89: Intersection Level of Service Analysis—2026 NEPA Baseline Compared to 2026 With Alternative 5..... | 3.6-171 |
| 19 | Table 3.6-90: Intersection Level of Service Analysis—2038 NEPA Baseline Compared to 2038 With Alternative 5..... | 3.6-172 |
| 21 | Table 3.6-91: CEQA Baseline Compared to Alternative 5 - 2038 Freeway Analysis—A.M. Peak | 3.6-175 |
| 23 | Table 3.6-92: CEQA Baseline Compared to Alternative 5 - 2038 Freeway Analysis—P.M. Peak | 3.6-176 |
| 25 | Table 3.6-93: 2019 NEPA Baseline Compared to 2019 With Alternative 5 - Freeway Analysis—A.M. Peak | 3.6-177 |
| 27 | Table 3.6-94: 2019 NEPA Baseline Compared to 2019 With Alternative 5 - Freeway Analysis—P.M. Peak | 3.6-178 |
| 29 | Table 3.6-95: 2026 NEPA Baseline Compared to 2026 With Alternative 5 - Freeway Analysis—A.M. Peak | 3.6-179 |
| 31 | Table 3.6-96: 2026 NEPA Baseline Compared to 2026 With Alternative 5 - Freeway Analysis—P.M. Peak | 3.6-180 |
| 33 | Table 3.6-97: 2038 NEPA Baseline Compared to 2038 With Alternative 5 - Freeway Analysis—A.M. Peak | 3.6-181 |
| 35 | Table 3.6-98: 2038 NEPA Baseline Compared to 2038 With Alternative 5 - Freeway Analysis—P.M. Peak | 3.6-182 |

| | | |
|----|--|---------|
| 1 | Table 3.6-99: CEQA Baseline Conditions (2013) Average Daily Rail Volumes in the Peak Month and Alt 5 – Additional TCITF - Project Trains by Rail Segment (Trains per Day)..... | 3.6-184 |
| 4 | Table 3.6-100: BNSF Cajon Subdivision, from San Bernardino to Barstow, 2013 Baseline Plus 2038 Alternative 5 – Additional TCITF Capacity Project..... | 3.6-187 |
| 6 | Table 3.6-101: BNSF San Cajon Subdivision, from San Bernardino to Barstow, 2013 Baseline Plus 2038 Alternative 5 – Additional TCITF Capacity Project..... | 3.6-191 |
| 8 | Table 3.6-102: UP Alhambra Subdivision from Los Angeles Transportation Center (LATC) to Colton Crossing, 2013 Baseline Plus 2038 Alternative 5 – Additional TCITF Capacity Project (Excluding Segment That is Combined with UP Los Angeles Subdivision)..... | 3.6-193 |
| 12 | Table 3.6-103: UP Los Angeles Subdivision from East Los Angeles Yard to West Riverside Junction, 2013 Baseline Plus 2038 Alternative 5 – Additional TCITF Capacity Project (Excluding Segment That is Combined with UP Alhambra Subdivision) | 3.6-195 |
| 16 | Table 3.6-104: Combined UP Alhambra and Los Angeles Subdivisions in Pomona and Montclair Area, 2013 Baseline Plus 2038 Alternative 5 – Additional TCITF Capacity Project | 3.6-198 |
| 19 | Table 3.6-105: UP Yuma Subdivision from Colton Crossing to Indio, 2013 Baseline Plus 2038 Alternative 5 – Additional TCITF Capacity Project | 3.6-199 |
| 21 | Table 3.6-106: Summary Matrix of Potential Impacts and Mitigation Measures for Ground Transportation Associated with the Proposed Project and Alternatives | 3.6-203 |
| 24 | Table 3.7-1: Summary Matrix of Potential Impacts and Mitigation Measures for Groundwater and Soils Associated with the Proposed Project and Alternatives | 3.7-46 |
| 27 | Table 3.8-1: Summary Matrix of Potential Impacts and Mitigation Measures for Hazards and Hazardous Materials Associated with the Proposed Project and Alternatives | 3.8-25 |
| 30 | Table 3.9-1: Existing and Projected Terminal Throughput, Vessel Activity, and Vessel Size for the Proposed Project and Alternatives..... | 3.9-3 |
| 32 | Table 3.9-2: Allisions, Collisions, and Groundings – Port Complex (Ports of Los Angeles and Long Beach), 1996–2013 | 3.9-11 |
| 34 | Table 3.9-3: Number of VTS-Recorded Close-Quarters Incidents, Ports of Los Angeles and Long Beach (1998–2013) | 3.9-12 |
| 36 | Table 3.9-4: Water Depths within the Port of Los Angeles | 3.9-14 |
| 37 | Table 3.9-5: Ship Calls at the Port of Los Angeles | 3.9-15 |
| 38 | Table 3.9-6: Proposed Project Marine-Based Construction Equipment..... | 3.9-22 |

| | | |
|----|---|---------|
| 1 | Table 3.9-7: Existing and Projected Annual Ship Calls under the Proposed Project at Full Build-Out (2038) | 3.9-25 |
| 3 | Table 3.9-8: Existing and Projected Annual Ship Calls under Alternative 1 at Full Build-Out (2038) | 3.9-29 |
| 5 | Table 3.9-9: Existing and Projected Annual Ship Calls under Alternative 2 at Full Build-Out (2038) | 3.9-31 |
| 7 | Table 3.9-10: Existing and Projected Annual Ship Calls under Alternative 3 at Full Build-Out (2038) | 3.9-35 |
| 9 | Table 3.9-11: Existing and Projected Annual Ship Calls under Alternative 4 at Full Build-Out (2038) | 3.9-39 |
| 11 | Table 3.9-12: Existing and Projected Annual Ship Calls under Alternative 5 at Full Build-Out (2038) | 3.9-43 |
| 13 | Table 3.9-13: Summary Matrix of Potential Impacts and Mitigation Measures for Marine Transportation Associated with the Proposed Project and Alternatives | 3.9-46 |
| 16 | Table 3.10-1: Definitions of Acoustical Terms | 3.10-3 |
| 17 | Table 3.10-2: Typical Noise Levels in the Environment | 3.10-5 |
| 18 | Table 3.10-3: Typical Levels of Groundborne Vibration..... | 3.10-9 |
| 19 | Table 3.10-4: Long-Term Noise Monitoring Results | 3.10-17 |
| 20 | Table 3.10-5: Short-Term Noise Monitoring Results..... | 3.10-17 |
| 21 | Table 3.10-6: City of Los Angeles General Plan - Guidelines for Noise Compatible Land Uses..... | 3.10-20 |
| 23 | Table 3.10-7: LA CEQA Thresholds Guide Land Use Noise Compatibility Guidelines..... | 3.10-23 |
| 24 | Table 3.10-8: Construction Equipment Maximum Noise Emission Levels | 3.10-24 |
| 25 | Table 3.10-9: Summary of Daytime Construction Noise Impacts..... | 3.10-26 |
| 26 | Table 3.10-10: Summary of Nighttime Construction Noise Impacts..... | 3.10-29 |
| 27 | Table 3.10-11: Summary Matrix of Potential Impacts and Mitigation Measures for Noise Associated with the Proposed Project and Alternatives..... | 3.10-54 |
| 29 | Table 3.11-1: Sediment Grain Size Results | 3.11-16 |
| 30 | Table 3.11-2: Sediment Chemistry Results | 3.11-17 |
| 31 | Table 3.11-3: Summary Matrix of Potential Impacts and Mitigation Measures for Water Quality, Sediments and Oceanography Associated with the Proposed Project and Alternatives | 3.11-85 |
| 34 | Table 4-1: Related and Cumulative Projects | 4-8 |

| | | | |
|----|-------------|--|-------|
| 1 | Table 4-2: | Passenger Car Equivalent (PCE) Trip Generation Estimates for the Proposed Project | 4-74 |
| 3 | Table 4-3: | Passenger Car Equivalent (PCE) Trip Generation Estimates for the Alternative 3..... | 4-74 |
| 5 | Table 4-4: | Passenger Car Equivalent (PCE) Trip Generation Estimates for the Alternative 4..... | 4-74 |
| 7 | Table 4-5: | Passenger Car Equivalent (PCE) Trip Generation Estimates for the Alternative 5..... | 4-75 |
| 9 | Table 4-5: | Intersection Level of Service Analysis—2019 Cumulative Baseline Compared to 2019 Cumulative Baseline with Proposed Project..... | 4-79 |
| 11 | Table 4-6: | Intersection Level of Service Analysis—2026 Cumulative Baseline Compared to 2026 Cumulative Baseline with Proposed Project..... | 4-80 |
| 13 | Table 4-7: | Intersection Level of Service Analysis—2038 Cumulative Baseline Compared to 2038 Cumulative Baseline with Proposed Project..... | 4-81 |
| 15 | Table 4-8: | 2038 Cumulative Baseline Compared to 2038 Cumulative Baseline With Proposed Project Freeway Analysis—A.M. Peak | 4-86 |
| 17 | Table 4-9: | 2038 Cumulative Baseline Compared to 2038 Cumulative Baseline With Proposed Project Freeway Analysis—P.M. Peak | 4-87 |
| 19 | Table 4-10: | 2038 Cumulative Baseline Scenario and 2038 Cumulative Baseline with proposed Project Scenario Peak Month Average Daily Rail Volumes by Segment, Trains per Day..... | 4-89 |
| 22 | Table 4-11: | BNSF San Bernardino Subdivision, from Hobart Yard to San Bernardino, 2038 with Proposed Project Scenario | 4-91 |
| 24 | Table 4-12: | BNSF Cajon Subdivision from San Bernardino to Barstow, 2038 with Proposed Project Scenario | 4-95 |
| 26 | Table 4-13: | UP Alhambra Subdivision from Los Angeles Transportation Center (LATC) to Colton Crossing, 2038 with Proposed Project Scenario (Excluding Segment that Is Combined with UP LA Subdivision)..... | 4-96 |
| 29 | Table 4-14: | UP Los Angeles Subdivision from East Los Angeles Yard to West Riverside Junction, 2038 with Proposed Project Scenario (Excluding Segment that Is Combined with UP Alhambra Subdivision) | 4-98 |
| 32 | Table 4-15: | Combined UP Alhambra and LA Subdivisions in Pomona and Montclair Area, 2038 with Proposed Project Scenario..... | 4-100 |
| 34 | Table 4-16: | UP Yuma Subdivision from Colton Crossing to Indio, 2038 with Proposed Project Scenario | 4-101 |
| 36 | Table 5-1: | Minority and Low-Income Populations..... | 5-4 |

| | | |
|----|---|------|
| 1 | Table 5-2: Minority and Low-Income Characteristics in the Vicinity of the Proposed Project Site | 5-5 |
| 3 | Table 5-3: Summary of Disproportionate Effects on Minority and/or Low-Income Populations Associated with the Proposed Project and Alternatives | 5-37 |
| 5 | Table 6-1: Summary of Proposed Project and Alternatives | 6-4 |
| 6 | Table 6-2: Summary of CEQA Significance Analysis by Alternative | 6-5 |
| 7 | Table 6-3: Summary of NEPA Significance Analysis by Alternative | 6-9 |
| 8 | Table 7-1: Total Civilian Employment by County (1990–2015) | 7-4 |
| 9 | Table 7-2: Total Civilian Employment Projection by County and City (2020–2035) | 7-6 |
| 10 | Table 7-3: Unemployment Rate (%) by County (1990–2015) | 7-7 |
| 11 | Table 7-4: Total Farm and Non-Farm Employment for Los Angeles County, California (1990–2015) | 7-8 |
| 13 | Table 7-5: Distribution of Direct Cargo Jobs by Place of Residency for the Port of Los Angeles | 7-12 |
| 15 | Table 7-6: Occupational Breakdown (%) by Place of Residence (Zip Code Area) 2010–2014 Five-Year Estimate (Employed Civilian Population 16 years and over) | 7-13 |
| 18 | Table 7-7: Household and Family Income by Source of Income by County, 2010–2014 Five-Year Estimate | 7-15 |
| 20 | Table 7-8: Household and Family Income by Source of Income by Zip Code, 2010–2014 Five-Year Estimate | 7-16 |
| 22 | Table 7-9: Population by Region, County, and Local Jurisdictions (1990–2010) | 7-17 |
| 23 | Table 7-10: Population Projections for Region and County (2010–2060) | 7-18 |
| 24 | Table 7-11: Housing Characteristics between 2010 and 2014 | 7-21 |
| 25 | Table 7-12: Existing Home Sale Prices (Median) by County (2004–2014) | 7-24 |
| 26 | Table 7-13: New Home Sale Prices (Median) by County (2004–2014) | 7-25 |
| 27 | Table 7-14: Average Home Sale Prices by Community (2001–2012) | 7-27 |
| 28 | Table 7-15: Port Industry Activities Associated with Cargo Movement | 7-33 |
| 29 | Table 7-16: Proposed Project: Direct and Secondary Construction Employment Over the Construction Period | 7-40 |
| 31 | Table 7-17: Proposed Project: Net Direct and Secondary Operations Employment | 7-41 |
| 32 | Table 7-18: Proposed Project: Gross Direct and Secondary Operations Employment | 7-41 |

| | | | |
|----|-------------|---|------|
| 1 | Table 7-19: | Alternative 1: Direct and Secondary Construction Employment Over the Construction Period..... | 7-44 |
| 3 | Table 7-20: | Alternative 1: Net Direct and Secondary Operations Employment..... | 7-44 |
| 4 | Table 7-21: | Alternative 1: Gross Direct and Secondary Operations Employment..... | 7-45 |
| 5 | Table 7-22: | Alternative 2: Net Direct and Secondary Operations Employment..... | 7-47 |
| 6 | Table 7-23: | Alternative 2: Gross Direct and Secondary Operations Employment..... | 7-47 |
| 7 | Table 7-24: | Alternative 3: Direct and Secondary Construction Employment Over the Two-Year Construction Period | 7-50 |
| 9 | Table 7-25: | Alternative 3: Net Direct and Secondary Operations Employment..... | 7-50 |
| 10 | Table 7-26: | Alternative 3: Gross Direct and Secondary Operations Employment..... | 7-50 |
| 11 | Table 7-27: | Alternative 4: Direct and Secondary Construction Employment Over the Two-Year Construction Period | 7-52 |
| 13 | Table 7-28: | Alternative 4: Net Direct and Secondary Operations Employment..... | 7-52 |
| 14 | Table 7-29: | Alternative 4: Gross Direct and Secondary Operations Employment..... | 7-53 |
| 15 | Table 7-30: | Alternative 5: Direct and Secondary Construction Employment Over the Two-Year Construction Period | 7-55 |
| 17 | Table 7-31: | Alternative 5: Net Direct and Secondary Operations Employment..... | 7-55 |
| 18 | Table 7-32: | Alternative 5: Gross Direct and Secondary Operations Employment..... | 7-55 |