

TABLE OF CONTENTS

Brisbane Baylands

Draft Environmental Impact Report

	<u>Page</u>
1. Introduction	1-1
1.1 Environmental Review	1-5
1.2 Purpose and Intended Use of this EIR.....	1-7
1.3 Public Participation	1-8
1.4 Organization of this Draft EIR	1-9
2. Executive Summary	2-1
2.1 Purpose of the Executive Summary	2-1
2.2 Regional Location and Project Site.....	2-1
2.3 Project Overview	2-2
2.4 Proposed Project Approvals	2-3
2.5 Project Objectives.....	2-6
2.6 Environmental Impacts and Mitigation Measures	2-9
2.7 Alternatives	2-11
2.8 Environmentally Superior Alternative.....	2-15
2.9 Areas of Controversy and Issues to be Resolved.....	2-16
3. Project Description	3-1
3.1 Regional Setting	3-4
3.2 Project Site Setting	3-4
3.3 Existing Project Site Land Ownership.....	3-24
3.4 Existing Land Use Regulations.....	3-24
3.5 Concept Plan Development Scenarios	3-27
3.6 General Plan Amendments.....	3-52
3.7 Draft Brisbane Baylands Specific Plan	3-54
3.8 Specific Plan for the CPP and CPP-V Scenarios.....	3-58
3.9 Project Infrastructure	3-59
3.10 Water Supply	3-66
3.11 Remedial Actions.....	3-68
3.12 Site Preparation and Grading	3-71
3.13 Project Objectives.....	3-72
3.14 Phasing and Implementation	3-76
3.15 Use of this EIR.....	3-77
3.16 References	3-81
4. Environmental Settings, Impacts, and Mitigation Measures	4-1
4.A Aesthetics and Visual Resources	4.A-1
4.B Air Quality	4.B-1
4.C Biological Resources	4.C-1

	<u>Page</u>
4. Environmental Settings, Impacts, and Mitigation Measures (continued)	
4.D Cultural Resources	4.D-1
4.E Geology, Soils, and Seismicity	4.E-1
4.F Greenhouse Gas Emissions	4.F-1
4.G Hazards and Hazardous Materials	4.G-1
4.H Surface Water Hydrology and Water Quality	4.H-1
4.I Land Use and Planning Policy	4.I-1
4.J Noise and Vibration	4.J-1
4.K Population and Housing.....	4.K-1
4.L Public Services	4.L-1
4.M Recreational Resources	4.M-1
4.N Traffic and Circulation.....	4.N-1
4.O Utilities, Service Systems, and Water Supply	4.O-1
4.P Energy Resources	4.P-1
5. Alternatives	5-1
5.1 Introduction.....	5-1
5.2 Summary of Alternatives.....	5-2
5.3 Analysis of Alternatives.....	5-13
5.4 Environmentally Superior Alternative.....	5-66
5.5 References	5-67
6. Impact Overview, Growth Inducement and Cumulative	6-1
6.1 Significant and Unavoidable Environmental Impacts	6-1
6.2 Growth-Inducing Impacts.....	6-3
6.3 Cumulative Impacts	6-7
6.4 Significant Irreversible Environmental Effects.....	6-50
6.5 Effects Found Not to Be Significant	6-51
6.6 References	6-53
7. Sustainability	7-1
7.1 Introduction.....	7-1
7.2 Principles of Sustainable Community Development	7-2
7.3 How Sustainability Relates to CEQA	7-3
7.4 The Baylands Project's Relationship to Principles of Sustainability.....	7-4
7.5 References	7-21
8. Report Preparers	8-1

	<u>Page</u>
Appendices: Volumes 1 – 4 (provided on CD back of front cover)	
Volume 1	
A. Notice of Preparation and Comments Received	A-1
A.1 2012 Notice of Preparation	A.1-1
A.2 2012 NOP Notice of Availability	A.2-1
A.3 Comments Received in Response to the 2012 Notice of Preparation	A.3-1
A.4 2010 Notice of Preparation	A.4-1
A.5 2010 Notice of Completion and Mailing List.....	A.5-1
A.6 2010 NOP Notice of Availability	A.6-1
A.7 Comments Received in Response to the 2010 Notice of Preparation	A.7-1
A.8 2006 Notice of Preparation and Mailing List	A.8-1
A.9 2006 Initial Study	A.9-1
A.10 Comments Received in Response to the 2006 Notice of Preparation	A.10-1
B. Brisbane Baylands Infrastructure Plan and Select Appendices	B-1
B.1 Draft Brisbane Baylands Infrastructure Plan	B.1-1
B.2 Infrastructure Plan Appendix F, Preliminary Geotechnical Investigation and Recommendations Report, Brisbane Landfill.....	B.2-1
Volume 2	
B. Brisbane Baylands Infrastructure Plan and Select Appendices (continued)	B-1
B.2 Infrastructure Plan Appendix F, Preliminary Geotechnical Investigation and Recommendations Report, Brisbane Landfill (continued)	
B.3 Infrastructure Master Plan Appendix G, Preliminary Geotechnical Evaluation, Brisbane Baylands, Former Railyards.....	B.3-1
C. Universal Paragon Corporation Draft Brisbane Baylands Specific Plan	C-1
D. Air Quality	D-1
D.1 Construction Calculations	D.1-1
D.2 Operational Calculations.....	D.2-1
D.3 Health Risk Analysis.....	D.3-1
E. Biological Resources: Special-status Species Documented or with Potential to Occur on the Project Site	E-1
F. Cultural Resources	F-1
F.1 Secretary of the Interior's Standards for Rehabilitation	F.1-1
F.2 National Park Service - Preservation Brief #17, Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving Their Architectural Character	F.2-1
F.3 National Park Service - Preservation Brief #18, Rehabilitating Interiors in Historic Buildings - Identifying and Preserving Character-Defining Elements.....	F.3-1
F.4 National Park Service - Preservation Brief #31, Mothballing Historic Buildings	F.4-1
F.5 Southern Pacific Company Coast Division Station Plan for Bayshore- Visitacion, Revised August 11, 1950	F.5-1
G. Greenhouse Gas Emissions	G-1
G.1 Construction GHG Calculations.....	G.1-1
G.2 Operational GHG Calculations	G.2-1
H. Hazards	H-1
H.1 The EDR Radius MapTM Report with Geocheck®.....	H.1-1

Appendices (continued)**Volume 3**

H. Hazards (continued).....	H-1
H.1 The EDR Radius Map™ Report with Geotcheck® (continued)	
H.2 Hazardous Materials Summary Report, Brisbane Landfill	H.2-1
H.3 Hazardous Materials Summary Report, Operable Units 1 and 2	H.3-1
H.4 Geosyntech Memo, March 2, 2012: Potential Remediation Technologies for Brisbane Baylands OU1 and OU2.....	H.4-1
I. Noise and Vibration	I-1
I.1 Long Term Noise Monitoring	I.1-1
I.2 Noise Impact Calculations	I.2-1

Volume 4

J. Recreation: Windsurfing	J-1
K. Transportation and Circulation.....	K-1
K.1 LOS Existing No Project AM.....	K.1-1
K.2 LOS Existing No Project PM.....	K.2-1
K.3 LOS Existing DSP AM	K.3-1
K.4 LOS Existing DSP PM	K.4-1
K.5 LOS Existing DSP-V AM.....	K.5-1
K.6 LOS Existing DSP-V PM.....	K.6-1
K.7 LOS Existing DSP-V Special Event PM.....	K.7-1
K.8 LOS Existing CPP AM	K.8-1
K.9 LOS Existing CPP PM	K.9-1
K.10 LOS Existing CPP-V AM.....	K.10-1
K.11 LOS Existing CPP-V PM.....	K.11-1
K.12 LOS Cumulative No Project AM	K.12-1
K.13 LOS Cumulative No Project PM	K.13-1
K.14 LOS Cumulative No Project No Geneva AM	K.14-1
K.15 LOS Cumulative No Project No Geneva PM	K.15-1
K.16 LOS Cumulative DSP AM.....	K.16-1
K.17 LOS Cumulative DSP PM.....	K.17-1
K.18 LOS Cumulative DSP-V AM	K.18-1
K.19 LOS Cumulative DSP-V PM	K.19-1
K.20 LOS Cumulative DSP-V Special Event PM	K.20-1
K.21 LOS Cumulative CPP AM.....	K.21-1
K.22 LOS Cumulative CPP PM.....	K.22-1
K.23 LOS Cumulative CPP-V AM	K.23-1
K.24 LOS Cumulative CPP-V PM	K.24-1
L. Water Supply Assessment.....	L-1
M. San Francisco Household Hazardous Waste Collection Facility Operation Plan.....	M-1
N. Renewable Energy Feasibility Study	N-1
O. Draft Baylands Public Space Master Plan	O-1

List of Figures

3-1	Project Site Location	3-5
3-2	Existing Project Site	3-6
3-3	Existing Site Topography	3-9
3-4	Project Site Historical Fill	3-11
3-5	Former Railyard Site Over Time	3-13
3-6	Former Landfill Site and Former Railyard Site (Remediation Areas)	3-15
3-7	Existing Roadways	3-21
3-8	Site Ownership and Easements.....	3-25
3-9	General Plan Land Use Designations.....	3-26
3-10	Zoning Map.....	3-28
3-11	Developer-Sponsored Plan (DSP) Proposed Land Use Plan	3-33
3-12	Developer-Sponsored Plan-Entertainment Variant (DSP-V) Proposed Land Use Plan	3-33
3-13	Community Proposed Plan (CPP) Proposed Land Use Plan.....	3-41
3-14	Community Proposed Plan Recology Expansion Variant (CPP-V) Proposed Land Use Plan	3-41
3-15	Community Proposed Plan Expansion Variant (CPP-V) Proposed Site Plan	3-47
3-16	Proposed Lumberyard Relocation	3-48
3-17	DSP and DSP-V District Plan	3-56
4.A-1	Viewpoint Locations	4.A-3
4.A-2a	Icehouse Hill	4.A-5
4.A-2b	Visitacion Creek.....	4.A-5
4.A-2c	Brisbane Lagoon.....	4.A-5
4.A-2d	Aerial View of the Roundhouse.....	4.A-6
4.A-2e	Extant Historic Railroad Building on the Project Site	4.A-6
4.A-2f	Industrial Structures	4.A-6
4.A-3a	View from Visitacion Creek.....	4.A-8
4.A-3b	View from Icehouse Hill	4.A-8
4.A-3c	View from Visitacion Creek.....	4.A-8
4.A-3d	View from Lagoon Road	4.A-8
4.B-1	Existing and Proposed Sensitive Receptor Locations.....	4.B-11
4.C-1	Vegetation and Habitat Types.....	4.C-5
4.D-1	Van Arsdale-Harris Lumber Company	4.D-7
4.D-2	Sierra Point Lumber and Plywood Company	4.D-7
4.D-3	Bayshore Railroad Yard at Visitacion Bay, View from Bayshore Point, February 24, 1911	4.D-9
4.D-4	The Roundhouse	4.D-10
4.D-5	Lazzari Charcoal Building (former Southern Pacific Tank and Boiler Shop)	4.D-12
4.D-6	Machinery & Equipment Building (former SPRR Ice Manufacturing Plant)	4.D-13
4.E-1	Land Reclamation Sequence, Historic Fill and Shoreline of the Project Site	4.E-2
4.E-2	Existing Site Topography	4.E-5
4.E-3	Regional and Local Stratigraphic Cross Sections	4.E-7
4.E-4	Young Bay Mud Isopach Map for the Project Site Vicinity	4.E-9
4.E-5	Top of Bedrock Contour Map for the Project Site Vicinity	4.E-10
4.E-6	Geologic Map of the Project Site Vicinity	4.E-12
4.E-7	Explanation for Geologic Map of the Project Site Vicinity	4.E-13
4.E-8	Regional Map of Active and Potentially Active Faults	4.E-15
4.E-9	Level of Earthquake Hazard in the Project Site Vicinity	4.E-18
4.E-10	Ground Shaking Amplification Map of the Project Site Vicinity	4.E-19

	<u>Page</u>
List of Figures (continued)	
4.E-11 Liquefaction Susceptibility Map of the Project Site Vicinity	4.E-29
4.G-1 Former Landfill Site and Former Railyard Site (Remediation Areas)	4.G-5
4.G-2a Shallow Groundwater Contours Under Brisbane Landfill	4.G-25
4.G-2b Deep Groundwater Contours Under Brisbane Landfill	4.G-26
4.G-3 Groundwater Monitoring Stations at Brisbane Landfill	4.G-27
4.G-4 Seep and Surface Water Sampling Sites at Brisbane Landfill	4.G-28
4.G-5 Groundwater Contour Map of OU-1 and OU-2	4.G-29
4.G-6a Historical Maximum Concentrations of Other Volatile Organic Compounds in Soil at OU-1 and OU-2	4.G-35
4.G-6b Historical Maximum Concentrations of Chlorinated Ethenes in Soil at OU-1 and OU-2	4.G-36
4.G-6c Arsenic in Soil at OU-1 and OU-2	4.G-37
4.G-6d Cadmium in Soil at OU-1 and OU-2	4.G-38
4.G-6e Lead in Soil at OU-1 and OU-2	4.G-39
4.G-6f Mercury in Soil at OU-1 and OU-2	4.G-40
4.G-6g PCBs in Soil at OU-1 and OU-2	4.G-41
4.G-6h Historical Maximum Concentrations of Bunker C Oil in Soil at OU-1 and OU-2	4.G-42
4.G-6i Historical Maximum Concentrations of Tetrachloroethene in Groundwater at OU-1 and OU-2	4.G-43
4.G-6j Historical Maximum Concentrations of Trichloroethene in Groundwater at OU-1 and OU-2	4.G-44
4.G-6k Historical Maximum Concentrations of Dichloroethene in Groundwater at OU-1 and OU-2	4.G-45
4.G-6l Historical Maximum Concentrations of Vinyl Chloride in Groundwater at OU-1 and OU-2	4.G-46
4.G-6m Current TCE Concentrations in Groundwater at OU-1 and OU-2	4.G-47
4.G-7 Identified Hazardous Materials Sites	4.G-58
4.H-1 Existing Drainage Facilities	4.H-3
4.H-2 Watershed Boundaries	4.H-4
4.H-3 100-Year Flood Zones	4.H-6
4.H-4 Projected Sea Level Rise	4.H-9
4.I-1 Existing Project Site and Surrounding Land Uses	4.I-4
4.I-2 Areas Subject to BCDC Jurisdiction	4.I-7
4.J-1 Noise Monitoring Locations	4.J-7
4.J-2 Existing and Proposed Sensitive Receptor Locations	4.J-8
4.J-3 Land Use Compatibility for Community Noise Environment	4.J-11
4.K-1 San Francisco/San Mateo Bi-County Area Priority Development Area	4.K-14
4.M-1 Parks Serving Brisbane	4.M-3
4.M-2 Study Areas with Wind Tunnel Measurement Points	4.M-13
4.N-1 Transportation Study Area	4.N-2
4.N-2 Existing Roadways	4.N-3
4.N-3 Traffic Analysis Locations	4.N-8
4.N-4 Traffic Analysis Location Lane Geometries	4.N-9
4.N-5 Existing Transit Circulation	4.N-18
4.N-6 Existing and Planned Bicycle Route Network	4.N-20
4.N-7 Crocker Industrial Park Shuttle	4.N-24
4.N-8 Assumed Roadway and Interchange Improvements	4.N-45
4.N-9 Bayshore Intermodal Station Access Study (Alternative 1)	4.N-47
4.N-10 Bayshore Intermodal Station Access Study (Alternative 2)	4.N-48
4.N-11 Long Term CPHPS Transit Service (Planned)	4.N-49

	<u>Page</u>
List of Figures (continued)	
4.N-12 DSP/DSP-V Project Site Road Network Improvements	4.N-54
4.N-13 CPP Conceptual Road Network Improvements	4.N-55
4.N-14 CPP-V Conceptual Road Network Improvements	4.N-55
4.N-15 DSP/DSP-V Proposed Transit Circulation	4.N-57
4.N-16 CPP/ CPP-V Proposed Transit Circulation	4.N-58
4.N-17 Proposed DSP/DSP-V and Presumed CPP/ CPP-V Project Site Pedestrian and Bicycle Circulation	4.N-62
4.O-1 City of Brisbane Existing Water Distribution System.....	4.O-10
4.O-2 Bayshore Sanitary District Service Area	4.O-12
4.O-3 Stormwater System on the Baylands Site.....	4.O-17
5-1 Renewable Energy Alternative.....	5-30
6.1A Cumulative Projects-Local, Brisbane Baylands EIR	6-12
6.1B Cumulative Projects-Regional, Brisbane Baylands EIR.....	6-13

List of Tables

1-1 Project Components Analyzed in this EIR	1-3
2-1 Summary of Impacts, Mitigation Measures, and Residual Impacts.....	2-18
3-1 Project Components Analyzed in this EIR	3-3
3-2A Land Area Types on Brisbane Baylands Project Site	3-29
3-2B Proposed Land Use Changes for Brisbane Baylands Project Site.....	3-29
3-2C Proposed Development for Brisbane Baylands Project Site Buildable Area	3-30
3-3 Proposed Development Intensity (for both DSP and DSP-V)	3-36
3-4 Community Proposed Plan (CPP) and Variant (CPP-V): Proposed Development Standards	3-45
3-5 Proposed Circulation System and Functional Classifications	3-61
3-6 Potential Remedial Technologies for Operable Unit 1 (OU-1) and Operable Unit 2 (OU-2).....	3-70
4.A-1 Viewpoints	4.A-16
4.B-1 Summary of San Francisco Air Quality Monitoring Data (2006-2010)	4.B-4
4.B-2 State and Federal Ambient Air Quality Standards and Attainment Status	4.B-6
4.B-3 Stationary Sources of TACs within 1,000 feet of the Project Site	4.B-8
4.B-4 Average Daily Construction-related Emissions Western Portion of Project Site	4.B-24
4.B-5 Average Daily Construction-related Emissions Eastern Portion of Project Site	4.B-25
4.B-6 Mitigated Average Daily Construction-related Emissions Western Portion of Site	4.B-28
4.B-7 Mitigated Average Daily Construction-related Emissions Western Portion of Site	4.B-28
4.B-8 Construction-related Health Impacts Developer-Sponsored Plan.....	4.B-30
4.B-9 Construction-related Health Impacts Developer-Sponsored Plan with Entertainment Variant.....	4.B-31
4.B-10 Construction-related Health Impacts Community Proposed Plan	4.B-32
4.B-11 Construction-related Health Impacts Community Proposed Plan with Recology Variant	4.B-33
4.B-12 Construction-related Cancer Risks for the Four Scenarios	4.B-34
4.B-13 Average Daily Operational Emissions.....	4.B-36

	<u>Page</u>
List of Tables (continued)	
4.B-14 Maximum Annual Operational Emissions	4.B-36
4.B-15 Transportation-related Health Impacts Developer-Sponsored Plan	4.B-39
4.B-16 Transportation-related Health Impacts Developer-Sponsored Plan with Entertainment Variant	4.B-40
4.B-17 Transportation-related Health Impacts Community Proposed Plan	4.B-41
4.B-18 Transportation-related Health Impacts Community Proposed Plan with Recology Variant	4.B-42
4.B-19 Transportation-related Cancer Risks for the Four Scenarios	4.B-42
4.B-20 Health Impacts from Stationary, Roadway and Rail Sources for New Receptors	4.B-44
4.B-21 Control Strategies of the 2010 Clean Air Plan	4.B-50
4.C-1 Special-Status Species Potentially Occurring within the Project Site	4.C-63
4.D-1 Historical Significance of Resources Within or Adjacent to Project Site	4.D-16
4.E-1 Summary of Geologic Materials on Project Site	4.E-4
4.E-2 Active Faults in the Vicinity of the Project Site	4.E-14
4.E-3 National Earthquake Hazard Reduction Program (NEHRP) Soil Classifications	4.E-20
4.E-4 Modified Mercalli Intensity Scale	4.E-21
4.E-5 Estimated Peak Ground Accelerations for Project Site	4.E-22
4.F-1 Estimated Emissions of Greenhouse Gases (2040) from Operation of the DSP and DSP-V Scenarios	4.F-17
4.F-2 Estimated Emissions of Greenhouse Gases (Year 2040) from Operation of the CPP and CPP-V Scenarios	4.F-18
4.F-3 Mitigated Emissions of Greenhouse Gases from Operation of the CPP and CPP-V Scenarios	4.F-20
4.F-4 Additional Greenhouse Gas Emission Reduction Strategies and Data Required	4.F-22
4.G-1 Summary of Brisbane Landfill Groundwater Depths and Elevations	4.G-24
4.G-2 Brisbane Landfill Maximum Concentrations of Chemical Compounds in Leachate Wells	4.G-32
4.G-3 Brisbane Landfill Maximum Concentrations of Chemical Compounds in Groundwater Wells	4.G-33
4.G-4 Maximum Concentrations of Chemical Compounds in Operable Unit No. 1 Wells	4.G-50
4.G-5 Maximum Concentrations of Chemical Compounds in Operable Unit No. 2 Wells	4.G-53
4.G-6 Maximum Concentrations of Chemical Compounds in Recology Wells	4.G-55
4.G-7 Government Databases Listing Hazardous Sites in Project Site Vicinity	4.G-59
4.G-8 Soil/Groundwater Contamination Sites Pending in Project Site Vicinity (Open Leading Underground Storage Tank and Spills, Leaks Investigation and Cleanup Sites)	4.G-62
4.I-1 Consistency of Project Components with Applicable Local and Regional Land Use Policies	4.I-17
4.J-1 Measured Long-Term Noise Levels On or Within the Vicinity of the Project Site	4.J-6
4.J-2 Noise Standards of the Brisbane Municipal Code	4.J-12
4.J-3 Measures of Substantial Increase in Transportation Noise Exposure	4.J-16
4.J-4 Traffic Noise Increases Along Roads in the Project Site Vicinity	4.J-27
4.J-5 Measures of Substantial Increase in Transportation Noise Exposure	4.J-28
4.J-6 Wind Turbine Noise Levels	4.J-30

	<u>Page</u>
List of Tables (continued)	
4.J-7 Typical Construction Activity Noise Levels.....	4.J-32
4.J-8 Typical Noise Levels from Construction Equipment.....	4.J-34
4.K-1 Bay Area Housing Vacancy Rates by County, 2010.....	4.K-3
4.K-2 Housing Vacancy Rates in Brisbane and Adjacent Cities, 2010.....	4.K-3
4.K-3 Brisbane Population and Housing Trends, 1970-2010.....	4.K-4
4.K-4 Population Trends for Brisbane, Adjacent Cities, and Bay Area, 1990 – 2010.....	4.K-5
4.K-5 Job Trends for Brisbane and Adjacent Cities, 1990-2010.....	4.K-6
4.K-6 Ratio of Jobs to Employed Residents for Brisbane, Adjacent Cities, and Bay Area, 2010 and 2020.....	4.K-8
4.K-7 Population and Household Growth Indicated by Projections 2009 for Brisbane Surrounding Cities, and the Bay Area, 2020 and 2035.....	4.K-10
4.K-8 Projections 2009 Employment Projections for Brisbane, nearby Cities, and Bay Area, 2010 – 2035.....	4.K-11
4.K-9 Draft Plan Bay Area Employment and Household Projections.....	4.K-15
4.K-10 Regional Housing Need Allocation for Brisbane and San Mateo County 2007-2014 and 2014-2022.....	4.K-20
4.K-11 Brisbane Municipal Code Inclusionary Housing Requirements for Residential Projects.....	4.K-21
4.K-12 Estimated Project Population and Number of Jobs: DSP, DSP-V, CPP, and CPP-V Scenarios.....	4.K-24
4.K-13 Households Associated with Project Employment.....	4.K-26
4.K-14 DSP Population, Housing and Jobs.....	4.K-26
4.K-15 DSP-V Population, Housing, and Jobs.....	4.K-29
4.K-16 CPP Population, Housing, and Jobs.....	4.K-31
4.K-17 CPP-V Population, Housing, and Jobs.....	4.K-33
4.L-1 Projected Calls for Police Service by Scenario.....	4.L-4
4.L-2 School District Enrollment Trends, 1996-2011.....	4.L-18
4.L-3 Library Branches within 3.5 Miles of the Project Site.....	4.L-30
4.M-1 Parks Serving Brisbane.....	4.M-2
4.M-2 Recreational Facilities in Brisbane.....	4.M-4
4.M-3 Parks and Open Space Areas Proposed by DSP and DSP-V Scenarios.....	4.M-15
4.N-1 Level of service (LOS) Definitions for Signalized and Unsignalized Intersections.....	4.N-6
4.N-2 Intersection Level of Service – Existing Conditions.....	4.N-10
4.N-3 Level of Service Definitions for Freeway Segments.....	4.N-11
4.N-4 Existing Freeway Mainline Operating Level of Service Conditions.....	4.N-12
4.N-5 Existing Caltrain Average Weekday Ridership.....	4.N-13
4.N-6 Existing Public Transit Service Characteristics.....	4.N-17
4.N-7 Bicycle Components of the DSP and DSP-V Scenarios.....	4.N-63
4.N-8 Pedestrian Components of the DSP and DSP-V Scenarios.....	4.N-65
4.N-9 Project Site Development Trip Distribution – All Trips, All Development Scenarios.....	4.N-75
4.N-10 Project Site Development Trip Distribution – Work Trips, All Development Scenarios.....	4.N-75
4.N-11 Project Site Development Trip Distribution – Non-Work Trips, All Development Scenarios.....	4.N-75
4.N-12 Project Daily Person Trip Generation – DSP and DSP-V.....	4.N-78
4.N-13 Project Daily Person Trip Generation – CPP and CPP-V.....	4.N-79
4.N-14 Project Peak Hour Vehicle Trip Generation – DSP and DSP-V.....	4.N-80
4.N-15 Project Peak Hour Vehicle Trip Generation – CPP and CPP-V.....	4.N-81
4.N-16 Project Person and Vehicle Trips by Mode.....	4.N-82

	<u>Page</u>
List of Tables (continued)	
4.N-17 Project Weekday Peak Hour Distribution Patterns.....	4.N-82
4.N-18 Person and Vehicle Trips by Mode for DSP-V with Sell-Out Event at Arena	4.N-84
4.N-19 Project Loading Demand	4.N-85
4.N-20 Transit Trip Distribution by Origin/Destination.....	4.N-87
4.N-21 Transit Trip Distribution by Transit Corridor	4.N-87
4.N-22 Transit Trip Distribution by Transit Operator and Corridor	4.N-88
4.N-23 Daily Transit Trip Assignment by Transit Operator and Corridor	4.N-88
4.N-24 Transit Trip Assignment (PM Peak Hour Trips)	4.N-89
4.N-25 Intersection Level of Service – Existing and Existing Plus Project Conditions – Weekday AM Peak Hour.....	4.N-91
4.N-26 Intersection level of service – Existing and Existing Plus Project Conditions – Weekday PM Peak Hour	4.N-93
4.N-27 Intersection level of service – Existing plus Project with the DSP-V Scenario, No Event and Sold-Out Arena Event – Weekday PM Peak Hour	4.N-101
4.N-28 US 101 Mainline Segment level of service – Existing and Existing Plus Project Conditions.....	4.N-105
4.N-29 Intersection Level of Service – Cumulative Without Project Conditions Without and With Geneva Extension – Weekday AM Peak Hour	4.N-107
4.N-30 Intersection Level of Service – Cumulative Without Project Conditions Without and With Geneva Extension – Weekday PM Peak Hour	4.N-108
4.N-31 Intersection Level of service – Cumulative Without Project and Cumulative With Project Conditions – Weekday AM Peak Hour	4.N-110
4.N-32 Intersection Level of Service – Cumulative Without Project and Cumulative With Project Conditions – Weekday PM Peak Hour	4.N-112
4.N-33 Mainline Segment Level of Service – Cumulative Without Project and Cumulative With Project Conditions.....	4.N-125
4.N-34 Intersection Level of Service – Project No Event and Sold-Out Arena Event – Weekday PM Peak Hour – Cumulative With DSP-V Scenario.....	4.N-128
4.N-35 Existing and Cumulative Without Project Regional Train Transit Screenlines	4.N-130
4.N-36 DSP Contribution to Regional Train Transit Screenlines	4.N-130
4.N-37 DSP-V Contribution to Regional Train Transit Screenlines.....	4.N-131
4.N-38 CPP Contribution to Regional Train Transit Screenlines	4.N-131
4.N-39 CPP-V Contribution to Regional Transit Screenlines	4.N-132
4.N-40 Existing and Cumulative Without Project San Francisco Transit Screenlines	4.N-135
4.N-41 DSP Contribution to San Francisco Transit Screenlines.....	4.N-136
4.N-42 DSP-V Contribution to Regional Transit Screenlines	4.N-136
4.N-43 CPP Contribution to San Francisco Transit Screenlines.....	4.N-137
4.N-44 CPP-V Contribution to San Francisco Transit Screenlines	4.N-137
4.N-45 Preliminary Estimates of C/CAG Transportation Demand Management (TDM) Trip Credits	4.N-148
4.O-1 San Francisco Public Utilities Commission (SFPUC) Water Supply Guarantee for City of Brisbane	4.O-3
4.O-2 Water Shortage Allocation Plan	4.O-4
4.O-3 San Francisco Public Utilities Commission (SFPUC) Wholesale Allocations in Normal, Single Dry, and Multiple Dry Years.....	4.O-4
4.O-4 City of Brisbane Annual Water Use (2006 through 2011)	4.O-5
4.O-5 Existing and Future Projected Water Demand for the City of Brisbane 2011-2035.....	4.O-6
4.O-6 Annual Wastewater Flows for Bayshore Sanitary District, 2007-2011	4.O-13
4.O-7 Landfills Receiving Solid Waste from the City of Brisbane.....	4.O-19
4.O-8 Projected Water Demand Under Both Water Savings Programs D and E	4.O-34

	<u>Page</u>
List of Tables (continued)	
4.O-9 City of Brisbane’s Projected Water Supply in Normal, Single Dry, and Multiple Dry Years with Oakdale Irrigation District Transfer.....	4.O-36
4.O-10 Projected Difference Between Total Buildout Demand and Supply for Normal, Dry, and Multiple Dry Water Years Expressed as Surplus or (shortage) in Million Gallons per Day for Both Water Savings Programs D and E.....	4.O-36
4.O-11 Estimated Sewage Generation	4.O-45
4.O-12 Solid Waste Generation Estimates for Construction	4.O-54
4.O-13 Estimated Solid Waste Generation by Scenario	4.O-56
4.O-14 Solid Waste Generation Rates.....	4.O-56
4.P-1 Estimated Electrical Demand and Generation for the DSP, DSP-V, CPP, and CPP-V Scenarios.....	4.P-15
4.P-2 Estimated Fuel Use for the DSP, DSP-V, CPP, and CPP-V Scenarios	4.P-19
5-1 Comparison of Project Scenarios and Alternatives Land Uses.....	5-3
5-2 Renewable Energy Generation Alternative Development Standards.....	5-29
5-3 Renewable Energy Generation Alternative Annual Average Daily Construction-related Pollutant Emissions	5-34
5-4 Renewable Energy Generation Alternative Daily Operational Emissions	5-35
5-5 Estimated Emissions of GHG Emissions from the Renewable Energy Generation Alternative Operations.....	5-36
5-6 Renewable Energy Generation Alternative Electricity Generation from Solar PV and Wind Systems at Project Site.....	5-44
5-7 Estimated Emissions of GHG Emissions from the Reduced Density Alternative Operations	5-49
6-1 Significant and Unavoidable (SU) Impacts by Project Development Scenario.....	6-1
6-2 Cumulative Projects	6-9
6-3 Existing Plus Project Cumulative Health Impacts	6-20
6-4 Cumulative Traffic Noise Increases Along Roads in the Project Site Vicinity.....	6-34
7-1 Principles of Sustainability as Related to CEQA and EIR Analysis.....	7-5