

TABLE OF CONTENTS

	<u>Page</u>
1.0 EXECUTIVE SUMMARY	1.0-1
2.0 INTRODUCTION AND PURPOSE	
2.1 Purpose of this Environmental Impact Report	2.0-1
2.2 Compliance with CEQA.....	2.0-1
2.3 Scope and Organization of the EIR	2.0-3
2.4 Public Scoping Process.....	2.0-5
2.5 Use of the Draft EIR.....	2.0-6
2.6 Documents Incorporated by Reference	2.0-6
3.0 PROJECT DESCRIPTION	
3.1 Project Location.....	3.0-1
3.2 Existing and Surrounding Land Uses	3.0-1
3.3 Project Objectives.....	3.0-3
3.4 Background and History.....	3.0-5
3.5 Environmental Setting.....	3.0-6
3.6 Project Characteristics	3.0-7
3.7 Project Phasing	3.0-35
3.8 Project Design Features.....	3.0-36
3.9 Required Permits and Approvals	3.0-50
4.0 ENVIRONMENTAL ANALYSIS	
4.0 Environmental Analysis.....	4.0-1
4.1 Aesthetics, Light and Glare	4.1-1
4.2 Agricultural Resources.....	4.2-1
4.3 Air Quality	4.3-1
4.4 Biological Resources	4.4-1
4.5 Climate Change.....	4.5-1
4.6 Cultural Resources.....	4.6-1
4.7 Geology, Soils and Seismicity	4.7-1
4.8 Hazards and Hazardous Materials	4.8-1
4.9 Hydrology and Water Quality.....	4.9-1
4.10 Land Use and Planning.....	4.10-1
4.11 Noise	4.11-1
4.12 Public Services and Utilities	4.12-1
4.13 Traffic and Transportation.....	4.13-1
4.14 Water Supply	4.14-1

5.0	LONG-TERM IMPLICATIONS OF THE PROPOSED PROJECT	
5.1	Introduction	5.0-1
5.2	Significant Environmental Effects of the Proposed Project	5.0-1
5.3	Significant and Unavoidable Adverse Impacts	5.0-1
5.4	Potential General Plan Buildout Significant and Unavoidable Impacts	5.0-3
5.5	Significant Irreversible Environmental Changes.....	5.0-4
5.6	Mandatory Findings of Significance	5.0-6
5.7	Growth-Inducing Impacts of the Proposed Action.....	5.0-8
6.0	ALTERNATIVES TO THE PROPOSED ACTION	
6.1	Introduction	6.0-1
6.2	CEQA Requirements	6.0-1
6.3	Project Objectives	6.0-2
6.4	Significant and Unavoidable Impacts of the Proposed Project	6.0-4
6.5	Alternatives to the Proposed Butterfield Specific Plan Project.....	6.0-7
6.6	Alternatives Rejected From Further Consideration	6.0-31
7.0	OTHER CEQA CONSIDERATIONS	
7.1	Effects Found not to be Significant.....	7.0-1
7.2	Potential Secondary Effects	7.0-4
8.0	ORGANIZATIONS AND PERSONS CONSULTED	8.0-1
9.0	BIBLIOGRAPHY.....	9.0-1
10.0	APPENDICES	10.0-1
A	Expanded Notice of Preparation and Public Comments	
B	Air Quality Data	
C1	Biological Resources Assessment	
C2	Jurisdictional Delineation Report	
D	Cultural Resources Reports	
E	Geotechnical Reports	
F	Hazardous Materials Reports	
G	Hydrology Reports	
H	Noise Data	
I	Traffic Impact Assessment	
J	Water Supply Assessment	

LIST OF EXHIBITS

All Exhibits are located in the back of each Section

3.0-1	Regional Vicinity Map	3.0-54
3.0-2	Local Vicinity Map	3.0-55
3.0-3	Land Use Plan	3.0-56
3.0-4	Recreation & Open Space Plan	3.0-57
3.0-5	Vehicular Circulation Plan	3.0-58
3.0-6A	Utility Relocation	3.0-59
3.0-6B	Utility Relocation	3.0-60
3.0-6C	High Pressure Gas Line Location	3.0-61
3.0-7	Master Drainage Plan	3.0-62
3.0-8	Proposed Water Quality/Infiltration Areas Map	3.0-63
3.0-9	Off-Site Infrastructure	3.0-64
3.0-10	Conceptual Mass Grading Plan	3.0-65
3.0-11	State Water Project Pipeline Extension	3.0-66
3.0-12	Off-Site Recycled Water	3.0-67
3.0-13	Off-Site Sewer Plan	3.0-68
3.0-14	Conceptual Phasing Plan	3.0-69
4.0-1	Surrounding Development	4.0-13
4.1-1A	On-Site Photographs 1-4	4.1-30
4.1-1B	On-Site Photographs 5-9	4.1-31
4.1-1C	Off-Site Photographs 1-3	4.1-32
4.1-1D	Off-Site Photographs 4-6	4.1-33
4.1-1E	Off-Site Photographs 7-9	4.1-34
4.2-1	Farmland Map	4.2-12
4.4-1	Biological Resources Map	4.4-35
4.4-2	Jurisdictional Delineation Map North	4.4-36
4.4-3	Jurisdictional Delineation Map South	4.4-37
4.7-1	Regional Fault Zones	4.7-39
4.7-2	Topographic Map	4.7-40
4.7-3	Soils Map	4.7-41
4.7-4	Site Vicinity Fault Map	4.7-42
4.7-5	Slope Stability Map	4.7-43
4.7-6	Fault Setback Zones	4.7-44
4.8-1	Wildfire Susceptibility Map	4.8-53
4.9-1	Regional Board Jurisdictional Boundary	4.9-37
4.9-2	Flood Hazards Map	4.9-38
4.10-1	Existing City of Banning General Plan Land Use Designation	4.10-22
4.10-2	Existing City of Banning Zoning	4.10-23

4.10-3	Proposed Amended City of Banning General Plan Land Use Designation.....	4.10-24
4.10-4	Proposed Amended City of Banning Zoning.....	4.10-25
4.11-1	Sound Levels and Human Response.....	4.11-47
4.11-2	Noise Measure Measurement Locations.....	4.11-48
4.12-1	Beaumont and Banning USD Boundaries.....	4.12-71
4.13-1	City of Banning General Plan Circulation Element.....	4.13-56
4.13-2	Existing Roadway System.....	4.13-57
4.13-3	Study Area Intersections.....	4.13-58
4.13-4	Existing A.M. Peak Hour Project Trip Assignment.....	4.13-59
4.13-5	Existing P.M. Peak Hour Project Trip Assignment.....	4.13-60
4.13-6	Year 2042 and General Plan Build-Out Conditions A.M. Peak Hour Project Trip Assignment.....	4.13-61
4.13-7	Year 2042 and General Plan Build-Out Conditions P.M. Peak Hour Project Trip Assignment.....	4.13-62
4.13-8	General Plan Build-Out without Project A.M. Peak Hour Traffic Volumes.....	4.13-63
4.13-9	General Plan Build-Out without Project P.M. Peak Hour Traffic Volumes.....	4.13-64
4.13-10	General Plan Build-Out Plus Project A.M. Peak Hour Traffic Volumes.....	4.13-65
4.13-11	General Plan Build-Out Plus Project P.M. Peak Hour Traffic Volumes.....	4.13-66
4.14-1	City of Banning Groundwater Basins.....	4.14-46
4.14-2	City of Banning Well Location Map.....	4.14-47

LIST OF TABLES

1.0-1	Environmental Impact Summary.....	1.0-8
1.0-2	Comparison of Impacts Resulting from Project Alternatives as Compared to the Proposed Project.....	1.0-25
3.0-1	Butterfield Specific Plan Land Use Summary.....	3.0-8
3.0-2	Butterfield Specific Plan Planning Area Statistical Summary.....	3.0-9
3.0-3	Butterfield/Deutsch Specific Plan Land Use Comparison.....	3.0-12
3.0-4	Required Approvals.....	3.0-53
4.0-1	City of Banning Current Large Development Projects.....	4.0-7
4.3-1	Local Air Quality Levels.....	4.3-4
4.3-2	Sensitive Receptors.....	4.3-7
4.3-3	National and California Ambient Air Quality Standards.....	4.3-9
4.3-4	SCAQMD Emissions Thresholds.....	4.3-12
4.3-5	Phase I Construction Air Emissions.....	4.3-19
4.3-6	Phase 2 Construction Air Emissions.....	4.3-21
4.3-7	Phase 3 Construction Air Emissions.....	4.3-22
4.3-8	Phase 4 Construction Air Emissions.....	4.3-24
4.3-9	Phase 5 Construction Air Emissions.....	4.3-25

4.3-10	Estimated Operational Emissions for the Specific Plan	4.3-27
4.3-11	Project Buildout Carbon Monoxide Concentrations	4.3-35
4.4-1	On-Site Vegetation Community Summary	4.4-5
4.4-2	Summary of Potential Permanent Impacts to USACE Jurisdictional Waters	4.4-25
4.4-3	Summary of Temporary Impacts to USACE Jurisdictional Area of Smith Creek On-Site	4.4-25
4.4-4	Summary of Potential Permanent Impacts to CDFG Jurisdiction	4.4-26
4.4-5	Summary of Potential Temporary Impacts to CDFG Jurisdiction	4.4-27
4.4-6	Summary of Potential Permanent Impacts to Regional Board Jurisdiction	4.4-27
4.4-7	Summary of Potential Temporary Impacts to Regional Board Jurisdiction	4.4-28
4.4-8	Summary of Permanent Impacts to Isolate Waters	4.4-29
4.5-1	GHG Reduction Measures in CARB Scoping Plan	4.5-20
4.5-2	Estimated Greenhouse Gas Emissions	4.5-31
4.5-3	Project Consistency with the Attorney General’s Recommendations	4.5-33
4.7-1	Basis for Seismic Design Criteria in Model Codes and Standards	4.7-13
4.7-2	Basis for Seismic Design Categories – Percentage of Gravity (g)	4.7-13
4.8-1	Historical Land Uses of the Project Area	4.8-5
4.9-1	Normal Temperatures in Banning CA	4.9-2
4.9-2	Normal Precipitation in Banning, CA	4.9-2
4.9-3	Inventory of Groundwater Quality at Selected Wells	4.9-9
4.10-1	Project Consistency with Land Use-Related Goals and Policies	4.10-12
4.10-2	SCAG Goals and Principles Consistency Analysis	4.10-16
4.11-1	Noise Descriptors	4.11-2
4.11-2	Sensitive Receptors	4.11-6
4.11-3	Noise Measurements	4.11-7
4.11-4	Existing Traffic Noise Levels	4.11-8
4.11-5	Noise and Land Use Compatibility Matrix	4.11-11
4.11-6	Base Ambient Noise Levels	4.11-13
4.11-7	Maximum Phase 1 Construction Noise Levels without Mitigation Measures	4.11-21
4.11-8	Maximum Phase 2 Construction Noise Levels without Mitigation Measures	4.11-22
4.11-9	Maximum Phase 3 Construction Noise Levels without Mitigation Measures	4.11-23
4.11-10	Maximum Phase 4 Construction Noise Levels without Mitigation Measures	4.11-24
4.11-11	Maximum Phase 5 Construction Noise Levels without Mitigation Measures	4.11-25
4.11-12	Reaction of People and Damage to Buildings at Various Continuous Vibration Levels	4.11-30
4.11-13	Typical Vibration Levels for Construction Equipment	4.11-31
4.11-14	Long-Term Noise Scenarios	4.11-33
4.11-15	Cumulative Noise Scenarios	4.11-43
4.12-1	Fire Stations within the Project Vicinity	4.12-3
4.12-2	Beaumont Unified School District School Facilities Serving the Project Site	4.12-6
4.12-3	Banning Unified School District School Facilities Serving the Project Site	4.12-7

4.12-4	Estimated Electricity Usage Rates.....	4.12-11
4.12-5	Effluent Limitations Pursuant to Order No. 01-22	4.12-14
4.12-6	Landfills Serving the City of Banning	4.12-17
4.12-7	Students Generated by the Proposed Project	4.12-41
4.12-8	Parkland Use and Acreage.....	4.12-51
4.12-9	Projected Solid Waste Generation at Project Build-out.....	4.12-67
4.12-10	Project Contribution to Solid Waste Stream and Landfill Capacity Impacts.....	4.12-68
4.13-1	Traffic Level of Service Definitions.....	4.13-3
4.13-2	Level of Service Criteria for Unsignalized and Signalized Intersections	4.13-4
4.13-3	Existing Without and plus Project (Phase III) Intersection Levels of Service	4.13-7
4.13-4	Existing Without and plus Project (Phase III) Freeway Mainline Levels of Service.....	4.13-8
4.13-5	Existing (2010) Freeway Segment (PCE) Volumes	4.13-9
4.13-6	City of Banning Parking Requirements.....	4.13-14
4.13-7	Project Trip Generation	4.13-19
4.13-8	Existing plus Project Mitigation Intersection Levels of Service.....	4.13-21
4.13-9	Summary of Future Improvements	4.13-27
4.13-10	Internal Intersections Level of Service Summary	4.13-29
4.13-11	General Plan Build-Out without and Plus Project (Project Completion) Intersections Levels of Service.....	4.13-44
4.13-12	General Plan Build-Out Year Without and Plus Project (Project Completion) Freeway Mainline Levels of Service	4.13-45
4.13-13	General Plan Build-Out Year Plus Project with Mitigations Intersection Levels of Service	4.13-46
4.13-14	General Plan Build-Out Year Plus Project with Mitigations Freeway Mainline Levels of Service	4.13-47
4.13-15	General Plan Build-Out Conditions Freeway Segment PCE Volumes.....	4.13-48
4.13-16	Project Contribution to Total New Traffic	4.13-49
4.13-17	Project Contribution to Total New Freeway Traffic Volumes	4.13-50
4.14-1	Summary of City of Banning Active Production Wells (May 2010)	4.14-4
4.14-2	City's Beaumont Basin Production Right (2011 to 2045)	4.14-5
4.14-3	Maximum Perennial Yield of Banning Basins and Cabazon Basin.....	4.14-6
4.14-4	City's Projected Banning Basin Supplies (2015-2045) (All Year Types).....	4.14-6
4.14-5	City's Projected Cabazon Basin Supply (2015-2045) (All Year Types)	4.14-7
4.14-6	City's Beaumont Basin Stored Water Account Balances (2011-2045)	4.14-8
4.14-7	Total Projected City Water Supplies (Average Year).....	4.14-10
4.14-8	Total Projected City Water Supplies (Single Dry Year)	4.14-10
4.14-9	Total Projected City Water Supplies (Multiple Dry Year)	4.14-11
4.14-10	Comparison of Total City Water Supplies (AF) and Net Demand	4.14-12
4.14-11	Projected Potable and Non-potable Water Use for the Project at Build-out (2045) .	4.14-26
4.14-12	Net Total Projected Project Water Demand.....	4.14-29

4.14-13	Net Total Projected City Water Demand	4.14-29
4.14-14	Comparison of Total City Water Supplies (AF) and Net Demand (with Project)....	4.14-33
4.14-15	Hydrologic Budget – Cabazon Basin.....	4.14-39
5.7-1	SCAG Population, Housing and Employment Forecasts	5.0-12
5.7-2	City of Banning Population Growth 2000-2010 – State Department of Finance	5.0-12
5.7-3	2010 WRCOG Long-Range Growth Forecast for 2012 RTP City of Banning.....	5.0-12
5.7-4	SCAG-Local Input-General Plan Forecasts for 2012 RTP City of Banning	5.0-13
5.7-5	City of Banning and County of Riverside Housing Characteristics, 2000-2010	5.0-14
5.7-6	Quantified Housing Objectives for the City of Banning 2008-2014	5.0-16
5.7-7	RHNA Allocation of Housing Units for City of Banning from the Final RHNA Plan-Planning Period of January 1, 2006 to June 30, 2014.....	5.0-16
6.0-1	Comparison of Impacts Resulting from Project Alternatives Compared To the Proposed Project.....	6.0-34