



## Alamitos Avenue "Complete Streets" Improvements Project

Draft Environmental Impact Report  
SCH#2017011072

*prepared by*

**City of Long Beach**

333 West Ocean Boulevard, 5<sup>th</sup> Floor  
Long Beach, California 90802

Contact: Christopher Koontz, Advance Planning Officer

*prepared with the assistance of*

**Rincon Consultants, Inc.**

180 North Ashwood Avenue  
Ventura, California 93001

**April 2017**

# Alamitos Avenue "Complete Streets" Improvements Project

Draft Environmental Impact Report  
SCH#2017011072

*prepared by*

**City of Long Beach**

333 West Ocean Boulevard, 5<sup>th</sup> Floor  
Long Beach, California 90802

Contact: Christopher Koontz, Advance Planning Officer

*prepared with the assistance of*

**Rincon Consultants, Inc.**

180 North Ashwood Avenue  
Ventura, California 93001

**April 2017**

*This report prepared on 50% recycled paper with 50% post-consumer content.*

# Table of Contents

---

Executive Summary .....	1
1 Introduction .....	3
1.1 Environmental Impact Report Background.....	3
1.2 Purpose and Legal Authority.....	3
1.3 Scope and Content.....	4
1.4 Lead, Responsible, and Trustee Agencies .....	4
1.5 Environmental Review Process.....	4
2 Project Description .....	9
2.1 Project Sponsor .....	9
2.2 Project Location .....	9
2.3 Current Land Use .....	9
2.4 Project Characteristics .....	9
2.5 Project Objectives .....	15
2.6 Required Approvals.....	15
3 Environmental Setting .....	17
3.1 Regional Setting .....	17
3.2 Project Site Setting.....	17
3.3 Cumulative Development .....	17
4 Environmental Impact Analysis .....	21
4.1 Transportation and Traffic .....	21
4.1.1 Setting.....	22
4.1.2 Impact Analysis and Mitigation Measures.....	25
5 Other CEQA Required Discussions.....	39
5.1 Growth Inducing Effects.....	39
5.2 Significant Unavoidable Effects.....	39
5.3 Irreversible Environmental Effects.....	39
5.4 Energy Effects.....	40
6 Alternatives.....	41
6.1 Alternative 1: No Project.....	42
6.2 Alternative 2: Additional Lane, Northbound.....	42
6.3 Alternative 3: Additional Lane, Southbound.....	43
6.4 Environmentally Superior Alternative .....	44
7 References .....	45
7.1 Bibliography .....	45
7.2 List of Preparers .....	45
7.2.1 Rincon Consultants .....	45
7.2.2 Linscott, Law & Greenspan.....	45

## Tables

Table 1	Summary of Environmental Impacts, Mitigation Measures, and Residual Impacts .....	2
Table 2	NOP Comments and EIR Response .....	3
Table 3	Cumulative Projects List .....	18
Table 4	Level of Service Criteria for Signalized Intersections (ICU Methodology) .....	23
Table 5	Level of Service Criteria for Signalized and Unsignalized Intersections (HCM Methodology) .....	23
Table 6	Existing Plus Project Intersection Capacity Analysis (ICU Methodology) .....	29
Table 7	Existing Plus Project Intersection Capacity Analysis (HCM Methodology) .....	30
Table 8	Queuing Evaluation for Existing Plus Project Traffic Conditions .....	31
Table 9	Existing and Existing Plus Project Multimodal LOS Evaluation .....	32
Table 10	Year 2020 Cumulative Plus Project Intersection Capacity Analysis (ICU Methodology) .....	35
Table 11	Year 2020 Cumulative Plus Project Intersection Capacity Analysis (HCM Methodology) .....	36
Table 12	Queuing Evaluation for Year 2020 Cumulative Plus Project Traffic Conditions .....	37
Table 13	Project Alternative Comparison .....	41

## Figures

Figure 1	Environmental Review Process .....	7
Figure 2	Regional Location .....	10
Figure 3	Project Location .....	11
Figure 4	Site Photos .....	12
Figure 5a	Conceptual Site Plan .....	13
Figure 5b	Conceptual Site Plan .....	14

## Appendices

Appendix A	Initial Study and Notice of Preparation Responses
Appendix B	Assembly Bill 52 Tribal Consultation
Appendix C	Conceptual Site Plan
Appendix D	Traffic Impact Analysis