

# TABLE OF CONTENTS

Chapter/Section	Page
<b>Volume 1</b>	
<b>ACRONYMS AND ABBREVIATIONS .....</b>	<b>vii</b>
<b>SUMMARY .....</b>	<b>S-1</b>
S.1 Project Location and Setting.....	S-2
S.2 Purpose, Need, and Objectives .....	S-4
Purpose .....	S-4
Need .....	S-4
Project Objectives.....	S-6
S.3 Summary Description of Alternatives.....	S-7
Alternative A: No Build (No Project or No Action) .....	S-7
Alternative B: Triangle (Locally Preferred Action) .....	S-7
Alternative C: Triangle One-Way .....	S-11
Alternative D: Project Study Report Alternative 2.....	S-12
Alternative E: Skywalk .....	S-12
S.4 Issues Subject to Public Controversy .....	S-13
S.5 Summary of Impacts and Mitigation .....	S-17
Summary of Potential Impacts from Project Refinements to Alternative B.....	S-17
<b>1 INTRODUCTION .....</b>	<b>1-1</b>
1.1 Lead Agencies.....	1-1
1.2 Project Background .....	1-1
1.3 Purpose, Need, and Objectives .....	1-1
1.3.1 Purpose .....	1-2
1.3.2 Need .....	1-2
1.3.3 Project Objectives.....	1-4
1.4 Logical Termini and Independent Utility.....	1-4
1.5 Summary of Public Involvement.....	1-4
1.6 Next Steps in the Decision-Making Process .....	1-5
1.7 Opportunity for Public Comment .....	1-5
1.8 Permits, Reviews, and Approvals .....	1-6
<b>2 PROPOSED PROJECT AND PROJECT ALTERNATIVES .....</b>	<b>2-1</b>
2.1 NEPA, TRPA, and CEQA Requirements for Alternatives .....	2-2
2.1.1 National Environmental Policy Act Requirements.....	2-3
2.1.2 Tahoe Regional Planning Agency .....	2-3
2.1.3 California Environmental Quality Act.....	2-3
2.2 Regional and Local Setting .....	2-4
2.3 Common Features of Alternatives B through D.....	2-4
2.3.1 Replacement Housing.....	2-4
2.3.2 Pedestrian Bridge over Realigned US 50.....	2-5
2.3.3 Corridor Improvements and Enhanced Bicycle, Transit, and Pedestrian Facilities .....	2-6
2.3.4 Signage Plan .....	2-6
2.3.5 Lighting Plan .....	2-6
2.3.6 Landscaping .....	2-6
2.3.7 Lake Tahoe Environmental Improvement Program Project Implementation .....	2-7

2.3.8	Water Quality Enhancements .....	2-7
2.4	Differentiating Features of Alternatives .....	2-7
2.4.1	Alternative A: No Build (No Project or No Action) .....	2-7
2.4.2	Alternative B: Triangle (Locally Preferred Action) .....	2-8
2.4.3	Alternative C: Triangle One-Way .....	2-13
2.4.4	Alternative D: PSR Alternative 2 .....	2-14
2.4.5	Alternative E: Skywalk .....	2-14
2.4.6	Construction Overview .....	2-14
2.4.7	Realignment of Utility Lines .....	2-15
2.4.8	Further Development of Project Design .....	2-15
2.5	Alternatives Considered But Eliminated from Further Discussion .....	2-15
<b>3</b>	<b>AFFECTED ENVIRONMENT, ENVIRONMENTAL CONSEQUENCES, AND AVOIDANCE, MINIMIZATION, AND/OR MITIGATION MEASURES .....</b>	<b>3-1</b>
3.1	Approach to the Environmental Analysis .....	3-1
3.1.1	California Environmental Quality Act .....	3-1
3.1.2	Tahoe Regional Planning Agency .....	3-1
3.1.3	National Environmental Policy Act .....	3-1
3.1.4	Incorporation by Reference .....	3-2
3.1.5	Contents of Environmental Analysis Sections .....	3-2
3.2	Land Use .....	3-2
3.2.1	Regulatory Setting .....	3-2
3.2.2	Affected Environment .....	3-2
3.2.3	Environmental Consequences .....	3-3
3.2.4	Avoidance, Minimization, and/or Mitigation Measures .....	3-3
3.3	Parks and Recreation Facilities .....	3-3
3.3.1	Regulatory Setting .....	3-4
3.3.2	Affected Environment .....	3-4
3.3.3	Environmental Consequences .....	3-4
3.3.4	Avoidance, Minimization, and/or Mitigation Measures .....	3-5
3.4	Community Impacts .....	3-5
3.4.1	Community Character and Cohesion .....	3-5
3.4.2	Real Property Acquisitions, Dislocations, and Relocations .....	3-9
3.4.3	Environmental Justice .....	3-10
3.5	Public Services and Utilities .....	3-10
3.5.1	Regulatory Setting .....	3-11
3.5.2	Affected Environment .....	3-11
3.5.3	Environmental Consequences .....	3-11
3.5.4	Avoidance, Minimization, and/or Mitigation Measures .....	3-12
3.6	Traffic and Transportation .....	3-13
3.6.1	Regulatory Setting .....	3-13
3.6.2	Affected Environment .....	3-13
3.6.3	Environmental Consequences .....	3-14
3.6.4	Avoidance, Minimization, and/or Mitigation Measures .....	3-15
3.7	Visual Resources/Aesthetics .....	3-15
3.7.1	Regulatory Setting .....	3-15
3.7.2	Affected Environment .....	3-16
3.7.3	Environmental Consequences .....	3-16
3.7.4	Avoidance, Minimization, and/or Mitigation Measures .....	3-16
3.8	Cultural Resources .....	3-17
3.8.1	Regulatory Setting .....	3-17
3.8.2	Affected Environment .....	3-17
3.8.3	Environmental Consequences .....	3-18
3.8.4	Avoidance, Minimization, and/or Mitigation Measures .....	3-18

3.9	Floodplains.....	3-18
3.9.1	Regulatory Setting.....	3-19
3.9.2	Affected Environment.....	3-19
3.9.3	Environmental Consequences.....	3-19
3.9.4	Avoidance, Minimization, and/or Mitigation Measures.....	3-19
3.10	Water Quality and Stormwater Runoff.....	3-19
3.10.1	Regulatory Setting.....	3-19
3.10.2	Affected Environment.....	3-20
3.10.3	Environmental Consequences.....	3-20
3.10.4	Avoidance, Minimization, and/or Mitigation Measures.....	3-21
3.11	Geology, Soils, Land Capability, and Coverage.....	3-22
3.11.1	Regulatory Setting.....	3-22
3.11.2	Affected Environment.....	3-22
3.11.3	Environmental Consequences.....	3-22
3.11.4	Avoidance, Minimization, and/or Mitigation Measures.....	3-23
3.12	Hazards, Hazardous Materials, and Risk of Upset.....	3-23
3.12.1	Regulatory Setting.....	3-23
3.12.2	Affected Environment.....	3-23
3.12.3	Environmental Consequences.....	3-23
3.12.4	Avoidance, Minimization, and/or Mitigation Measures.....	3-25
3.13	Air Quality.....	3-26
3.13.1	Regulatory Setting.....	3-26
3.13.2	Affected Environment.....	3-26
3.13.3	Environmental Consequences.....	3-27
3.13.4	Avoidance, Minimization, and/or Mitigation Measures.....	3-27
3.14	Greenhouse Gas Emissions and Climate Change.....	3-27
3.14.1	Regulatory Setting.....	3-28
3.14.2	Affected Environment.....	3-28
3.14.3	Environmental Consequences.....	3-28
3.14.4	Avoidance, Minimization, and/or Mitigation Measures.....	3-28
3.15	Noise and Vibration.....	3-28
3.15.1	Regulatory Setting.....	3-29
3.15.2	Affected Environment.....	3-29
3.15.3	Environmental Consequences.....	3-29
3.15.4	Avoidance, Minimization, and/or Mitigation Measures.....	3-30
3.16	Biological Environment.....	3-30
3.16.1	Regulatory Setting.....	3-30
3.16.2	Affected Environment.....	3-30
3.16.3	Environmental Consequences.....	3-31
3.16.4	Avoidance, Minimization, and/or Mitigation Measures.....	3-32
3.17	Relationship between the Short-Term Uses of the Environment and the Maintenance and Enhancement of Long-Term Productivity.....	3-34
3.18	Irreversible and Irretrievable Commitments of Resources and Significant Irreversible Environmental Changes.....	3-34
3.18.1	Consumption of Non-Renewable Resources.....	3-34
3.18.2	Changes to Land Use Which Would Commit Future Generations to Similar Uses.....	3-35
3.18.3	Irreversible Changes Which Would Result from Environmental Accidents.....	3-35
3.19	Cumulative Impacts.....	3-35
3.19.1	Cumulative Impact Analysis Methodology.....	3-35
3.19.2	Cumulative Setting.....	3-35
3.19.3	Cumulative Impacts Addressed in the RTP/SCS EIR/EIS.....	3-36
3.19.4	Related Project List Analysis of Cumulative Impacts.....	3-36

<b>4</b>	<b>OTHER NEPA-, CEQA-, AND TRPA-MANDATED SECTIONS .....</b>	<b>4-1</b>
4.1	Effects Found Not to be Significant.....	4-1
4.2	Significant Environmental Effects that Cannot be Avoided .....	4-1
4.3	Growth-Inducing Impacts .....	4-1
4.3.1	National Environmental Policy Act.....	4-1
4.3.2	Tahoe Regional Planning Agency .....	4-1
4.3.3	California Environmental Quality Act.....	4-2
4.3.4	Growth-Inducing Effects .....	4-2
4.4	Environmentally Superior Alternative.....	4-2
4.5	Department of Transportation Act (Section 4[f] and De Minimis Determination).....	4-2
4.5.1	Section 4(f) De Minimis Findings .....	4-2
4.6	Economic Effects.....	4-4
4.6.1	Affected Environment.....	4-4
4.6.2	Economic Effects of the Project .....	4-4
<b>5</b>	<b>COMMENTS AND COORDINATION .....</b>	<b>5-1</b>
5.1	Introduction.....	5-1
5.2	Public Scoping .....	5-1
5.2.1	Notice of Preparation/Notice of Intent .....	5-1
5.2.2	Scoping Meetings .....	5-1
5.2.3	Comments Received During Scoping.....	5-1
5.3	Consultation and Coordination with Agencies.....	5-2
5.3.1	Section 4(f) Consultation .....	5-2
5.3.2	SHPO Consultation .....	5-3
5.3.3	Native American Consultation and Coordination .....	5-3
5.4	Community Outreach Meetings.....	5-3
5.5	Project Design and Development.....	5-3
<b>6</b>	<b>REFERENCES CITED .....</b>	<b>6-1</b>
<b>7</b>	<b>LIST OF PREPARERS .....</b>	<b>7-1</b>
<b>8</b>	<b>DISTRIBUTION LIST .....</b>	<b>8-1</b>

**Exhibits**

Exhibit 2-1	US 50/Pioneer Trail Intersection Design Exception with Tahoe Meadows Entrance .....	2-11
Exhibit 2-2	Design Exception at Tahoe Meadows Entrance .....	2-12

**Tables**

Table S-1	Summary of Resource Topics with Impacts and Avoidance, Minimization, and/or Mitigation Measures .....	S-19
Table 2-5	Alternatives Considered but Eliminated from Further Discussion .....	2-16

---

## Volume 2

### Appendices

Appendix A	Notice of Preparation/Notice of Intent and Scoping Summary Report
Appendix B	Maps Showing Right-of-Way/Parcel Acquisition Needs and Geometric Approval Drawings for Alternatives B, C, and D
Appendix C	Maps of Alternatives Dismissed from Further Evaluation
Appendix D	Resources Evaluated Relative to the Requirements of Section 4(f) and <i>De Minimis</i> Determination
Appendix E	Goals and Policies Consistency Analysis
Appendix F	Relocation Study for the US 50/South Shore Community Revitalization Project
Appendix G	Visual Impact Assessment
Appendix H	Title VI Policy Statement
Appendix I	US 50/South Shore Community Revitalization (Stateline) Project – Caltrans Project Report Traffic Operations Analysis Update
Appendix J	Air Quality Data
Appendix K	Noise Modeling Data
Appendix L	Tree Survey Memorandum
Appendix M	Special Status Species Tables
Appendix N	Linear Park Exhibits
Appendix O	Comments on the Draft EIR/EIS/EIS and Responses
Appendix P	Mitigation Monitoring and Reporting Program
Appendix Q	US 50/South Shore Community Revitalization (Stateline) Project – Caltrans Project Report Traffic Operations Analysis Update (Revised October 2017) and Supplemental VMT Analysis Memorandum
Appendix R	USACE Preliminary Jurisdictional Determination

This page intentionally left blank.

# ACRONYMS AND ABBREVIATIONS

2017 RTP	2017 Regional Transportation Plan
AADT	annual average daily traffic
ADA	Americans with Disabilities Act
ADT	average daily trips
Caltrans	California Department of Transportation
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulation
CNEL	Community Noise Equivalent Level
Conservancy	California Tahoe Conservancy
dB	decibel
DVTE	daily vehicle trip end
EIR	environmental impact report
EIS	environmental impact statement
FHWA	Federal Highway Administration
Final EIR/EIS/EIS	Final Environmental Impact Report/Environmental Impact Statement/Environmental Impact Statement
FTIP	Federal Transportation Improvement Program
GAD	Geometric Approval Drawings
GHG	greenhouse gas
HDM	Caltrans Highway Design Manual
LOS	level of service
LTUSD	Lake Tahoe Unified School District
MTCO <sub>2</sub> e/year	metric tons of carbon dioxide equivalent per year
NCHRP	Transportations Research Board's National Cooperative Highway Research Program
NDOT	Nevada Department of Transportation
NDSP	Nevada Division of State Parks

NEPA	National Environmental Policy Act
NPDES	National Pollutant Discharge Elimination System
PAS	plan area statement
project	US 50/South Shore Community Revitalization Project
RDD	Edgewood Mountain Recreation Resort District
RHMA	rubberized hot mix-asphalt
ROW	right-of-way
RPU	Regional Plan Update
RTP/SCS	<i>Tahoe Regional Transportation Plan/Sustainable Communities Strategy</i>
SB	Senate Bill
SHPO	Nevada State Historic Preservation Office
SRO	single room occupancy unit
SSAP	<i>South Shore Area Plan</i>
SSMH	Sanitary Sewer Manhole
SSWA	Stateline Stormwater Association
STAR	South Tahoe Alliance of Resorts
TAU	tourist accommodation unit
TCAP	<i>Tourist Core Area Plan</i>
TOT	Transit Occupancy Tax
TRPA	Tahoe Regional Planning Agency
TTD	Tahoe Transportation District
USC	U.S. Code
VIA	Visual Impact Assessment
VMT	vehicle miles traveled