

TABLE OF CONTENTS

Volume II: Technical Appendices

- 2-A Roadway Crossings, Modifications, and Closures
- 2-B Railroad Crossings
- 2-C Operations and Service Plan Summary
- 2-D Applicable Design Standards
- 2-E Project Impact Avoidance and Minimization Features Analysis
- 2-F PG&E Network Upgrades
- 2-G Summary of Requirements for Operations and Maintenance Facilities
- 2-H Emergency and Safety Plans
- 2-I Alternatives Considered During Alternatives Screening Process
- 2-J Regional and Local Plans and Policies
- 2-K Policy Consistency Analyses
- 2-L Constructability Assessment Report Record PEPD
 - Appendix A: Monterey Highway Viaduct, Typical Section Installation Full Span Precast
 - Appendix B: Monterey Highway Viaduct, Balanced Cantilever Installation
 - Appendix C: Monterey Highway Viaduct, Precast Box Girder Yard Dimensions
 - Appendix D: San Jose Station Approach Constructability Analysis
 - Appendix E: Potential Contract Packages and Schedule
 - Appendix F: Potential Construction Sequence at I-280
 - Appendix G: Potential Construction Sequence at Monterey Highway
 - Appendix H: Track Shift Works
- 2-M Gilroy LMF Option Consideration and Elimination
- 3.1-A Parcels within the HSR Project Footprint
- 3.2-A Transportation Data on Roadways, Freeways, and Intersections
- 3.2-B Vehicle Miles Traveled Forecasting
- 3.2-C Traffic Mitigation Measure Screening
- 3.3-A Air Quality and Greenhouse Gases Technical Report
 - Appendix A: CalEEMod Outputs for Station and Maintenance Facility Operation, MOWF Calculations, East Gilroy Transit Calculations
 - Appendix B: CALINE4 Outputs for CO Hot-Spot Analysis
 - Appendix C: Construction Emission and Cumulative HRA Assumptions



- Appendix D: Ballast Hauling Memorandum
- Appendix E: Localized Impacts from Construction
- Appendix F: Potential Impact from Induced Winds
- Appendix G: Council on Environmental Quality Provisions Covering Incomplete or Unavailable Information
- 3.3-B Draft Federal General Conformity Determination
- 3.3-C Changes to Project Benefits Based on 2018 Business Plan
- 3.4-A Noise and Vibration Technical Report
 - Appendix A: Measurement Site Photographs
 - Appendix B: Noise Measurement Data
 - Appendix C: Vibration Propagation Measurement Data
- 3.4-B Noise and Vibration Mitigation Guidelines
- 3.4-C Noise Impact Locations
- 3.5-A Preconstruction Electromagnetic Measurement Survey along the San Jose to Merced Project Section
- 3.6-A Public Utilities and Energy Facilities
- 3.6-B Existing Plus Project Conditions Energy Analysis
- 3.6-C Water Use Assessment
- 3.6-D Energy Analysis Memorandum
- 3.7-A Special-Status Species Subject to Project Impacts
- 3.7-B Scientific Nomenclature
- 3.7-C HSR Guideway Enclosure for the Grasslands Ecological Area
- 3.7-D Supplemental Species Habitat Model Descriptions
- 3.7-E Supplemental Noise Analysis on Terrestrial Wildlife Species
- 3.7-F Supplemental Artificial Light Analysis on Terrestrial Wildlife Species
- 3.8-A Waterbodies Crossed by the Project Alternatives
- 3.8-B Summary of Hydraulic Modeling for Existing and Proposed Conditions
- 3.8-C Basin Plan Water Quality Impact Assessment
- 3.11-A Safety and Security Data
- 3.11-B Airport Obstructions
- 3.12-A Relocation Assistance Documents
- 3.13-A General Plan Land Use Maps—San Jose to Central Valley Wye Project Extent RSA
- 3.14-A Parcels Containing Important Farmland in the San Jose to Central Valley Wye Project Resource Study Area



- 3.14-B Results and Findings of Land Evaluation and Site Assessment Pursuant to the Farmland Preservation Policy Act
 - Attachment 1: Natural Resources Conservation Service Land Evaluation Explanations and Calculations for Santa Clara County
 - Attachment 2: Natural Resources Conservation Service Land Evaluation Explanations and Calculations for San Benito County
 - Attachment 3: Natural Resources Conservation Service Land Evaluation Explanations and Calculations for Merced County
- 3.14-C Remnant Parcel Analysis
- 3.14-D Induced Wind Impacts: Effects on Pollination; Blossoms and Dust
- 3.14-E Williamson Act Compliance Data
- 3.17-A Correspondence
- 3.17-B Cultural Resources-San Jose to Merced Project Section Tribal Outreach and Consultation Efforts 2009-2021
- 3.17-C Archaeological and Built Resources
- 3.17-D Programmatic Agreement among the FRA, the ACHP, the SHPO, and the Authority regarding Compliance with Section 106 of the NHPA, as It Pertains to the California High-Speed Rail Project
- 3.18-A RIMS II Modeling Details
 - Attachment 1: RIMS II Modeling Details
- 3.19-A Cumulative Nontransportation Plans and Projects Lists
- 3.19-B Cumulative Transportation Projects List
- 4-A Concurrence Letter
- 5-A Environmental Justice Outreach Plan
- 5-B Environmental Justice Engagement Summary Report
 - Attachment A: Environmental Justice Outreach Plan
 - Attachment B: List of Outreach Meetings Held for the Project
 - Attachment C: Biannual Environmental Justice Outreach Reports
 - Attachment D: Environmental Justice Outreach, September 2021
- 5-C Environmental Justice Development of Community Improvements
 - Attachment A: Profiles of Potential Community Improvements
- 5-D Preferred Alternative, Maps of Disproportionately High and Adverse Effects Before Consideration of Community Improvements
- 6-A San Jose to Merced Project Section: PEPD Record Set Capital Cost Estimate Report
- 6-B High-Speed Rail Operating and Maintenance Cost for Use in EIR/EIS Project-Level Analysis



9-A Public and Agency Meeting List