Reference Information

Some of the hyperlinks in this document connect to Caltrans intranet pages which are not displayable to the general public. Until the specific reference becomes available on the internet, users will have to contact their district liaison, Caltrans project manager, or the appropriate Headquarters division to inquire about the availability of the reference.

*Click on the bookmark or scroll down the document to the desired chapter or appendix.*

Chapter 1 – Introduction
Chapter 2 – Roles and Responsibilities
Chapter 3 – Involvement of Caltrans Functional Units
Chapter 4 – Programming
Chapter 5 – Deleted
Chapter 6 – Project Cost, Scope, and Schedule Changes
Chapter 7 – Uniform File System
Chapter 8 – Overview of Project Development
Chapter 9 – Project Initiation
Chapter 10 – Formal Project Studies
Chapter 11 – Public Hearing
Chapter 12 – Project Approvals and Changes to Approved Projects
Chapter 13 – Project Related Permits, Licenses, Agreements, Certifications, and Approvals
Chapter 14 – Preparation of Project Plans
Chapter 15 – Final Project Development Procedures
Chapter 16 – Cooperative Agreements
Chapter 17 – Encroachments and Utilities
Chapter 18 – Environmental Contamination
Chapter 19 – Value Analysis
Chapter 20 – Project Development Cost Estimates
Chapter 21 – Design Standard Decisions
Chapter 22 – Community Involvement
Chapter 23 – Route Adoptions
Chapter 24 – Freeway Agreements
Chapter 25 – Relinquishments
Chapter 26 – Disposal of Rights-of-Way for Public or Private Road Connections
Chapter 27 – Access Control Modification
Chapter 28 – Resolutions of Necessity
Chapter 29 – Landscape Architecture
Chapter 30 – Highway Traffic Noise Abatement
Chapter 31 – Nonmotorized Transportation Facilities
Chapter 32 – Lands and Buildings Facilities
Appendix A – Preparation Guidelines for Project Study Report-Project Report
Appendix B – Deleted
Appendix C – Deleted
Appendix D – Preparation Guidelines for Project Report (New Highway Planting or Roadside Rehabilitation)
Appendix E – Deleted
Appendix F – Deleted
Appendix G – Deleted
Appendix H – Deleted
Appendix J – Deleted
Appendix K – Preparation Guidelines for Project Report
Appendix L – Preparation Guidelines for Project Study Report
Appendix M – Preparation Guidelines for Project Report (Safety Roadside Rest Area)
Appendix N – Deleted
Appendix O – Deleted
Appendix P – Deleted
Appendix Q – Preparation Guidelines for Project Report (Roadside Safety Improvements)
Appendix R – Deleted
Appendix S – Preparation Guidelines for Project Study Report-Project Development Support Project Initiation Document
Appendix T – Deleted
Appendix X – Deleted
Appendix Z – Preparation Guidelines for Relinquishment Approval Report
Appendix AA – Deleted
Appendix BB – Design Standard Decision Documentation
Appendix CC – Preparation Guidelines for Freeway Agreement
Appendix DD – Hazardous Waste
Appendix EE – Highway Planting “One Liner” and Design Intent Statement (DIS)
Appendix FF – Complete Streets Decision Documentation
Appendix GG – Project Data Checklists
Appendix HH – Public Involvement
Appendix II – Rescissions
Appendix JJ – Preparation Guidelines for Resolution of Necessity
Appendix KK – Deleted
Appendix LL – Utility Policy Certification and Utility Matrix
Appendix MM – Deleted
Appendix NN – Deleted
Appendix OO – Deleted
Appendix QQ – Preparation Guidelines for Survey File
Chapter 1 – Introduction

A Guide to Photogrammetric Mapping Services & Resource Estimating (Intranet only)

Air Quality Conformity (Intranet only)

Basic Engineering Estimating System (BEES) (Intranet only)

CADD Users Manual

California Manual on Uniform Traffic Control Devices

Capital Outlay Support (COS) Charging Practice Guidelines (Intranet only)

Coding Manual (Intranet only)

Construction Contract Development Guide

Construction Manual

Contract Managers Handbook (Intranet only)

Cooperative Agreement Handbook (Intranet only)

Encroachment Permits Manual

Engineering Services Manuals

High-Occupancy Vehicle Guidelines (Intranet only)

Highway Design Manual

Landscape Architecture Program-Scenic Highways

Landscape Architecture PS&E Guide

Local Assistance Procedures Manual

Local Development-Intergovernmental Review (Intranet only)

Local Development-Intergovernmental Review

Maintenance Manual
Chapter 2 – Roles and Responsibilities

Cooperative Agreement Handbook (Intranet only)

Encroachment Permits Manual

Division of Procurement and Contracts (Intranet only)

Highway Design Manual
Hyperlinks to other Documents and Websites

Local Assistance Procedures Manual

Project Management Manual (Intranet only)

Quality Assurance Program Guide for Design Projects (Intranet only)

Standard Environmental Reference

Standard Specifications

Stewardship and Oversight Agreement on Project Assumption and Program Oversight

Chapter 3 – Involvement of Caltrans Functional Units

A Guide to Photogrammetric Mapping Services & Resource Estimating (Intranet only)

AB 3098 List

Construction Manual

Division of Engineering Services-Preliminary Investigations (PI)

High-Occupancy Vehicle Guidelines (Intranet only)

Highway Design Manual

Maintenance Manual

Ramp Metering Design Manual

Construction Contract Development Guide

Right of Way Manual

Standard Environmental Reference

Standard Plans

Storm Water Quality Handbooks: Project Planning and Design Guide

Surveys Manual

Traffic Manual
Transportation Management Plan Guidelines

**Chapter 4** – Programming

Coding Manual (Intranet only)

Chapter 5 – Deleted

None

**Chapter 6** – Project Cost, Scope, and Schedule Changes

Complete Streets Decision Document – Implementation dated February 11, 2021

Project Changes Handbook (Intranet only)

Project Change Requests from Robert Garcia and Brent Felker dated October 8, 2003 (Intranet only)

Project Management Manual (Intranet only)

SHOPP Guidelines

**Chapter 7** – Uniform File System

None

**Chapter 8** – Overview of Project Development

A Guide to Photogrammetric Mapping Services & Resource Estimating (Intranet only)

CADD Users Manual

California Manual on Uniform Traffic Control Devices

Capital Outlay Support (COS) Charging Practice Guidelines (Intranet only)

Capital Project Workplan Handbook (Intranet only)

Coding Manual (Intranet only)

Construction Manual

Cooperative Agreement Handbook (Intranet only)
Hyperlinks to other Documents and Websites

Design Information Bulletins

Emergency Projects Environmental Process and Requirement

Encroachment Permits Manual

FHWA Major Projects

Construction Contract Development Guide

FHWA National Highway System

FHWA Stewardship and Oversight

High-Occupancy Vehicle Guidelines (Intranet only)

Highway Design Manual

Landscape Architecture Program-Scenic Highways

Life-Cycle Cost Analysis Procedures Manual

Local Assistance Procedures Manual

Plans Preparation Manual

Project Development Procedures Manual

Project Development Workflow Guide

Project Management Manual (Intranet only)

Project Risk Management Handbook: A Scalable Approach (Intranet only)

Ramp Metering Design Manual

Right of Way Manual

Safety Manual (Intranet only)

Standard Environmental Reference

Standard Specifications
Standard Plans

Stewardship and Oversight Agreement on Project Assumption and Program Oversight

Storm Water Quality Handbooks: Project Planning and Design Guide

Surveys Manual

Transportation Management Plan Guidelines

Workplan Standards Guide, Release 12.0 (Intranet only)

2010 California Regional Transportation Plan Guidelines

**Chapter 9 – Project Initiation**

Applicant’s Checklist to Determine Applicable Review Process (TR 0416)

Capital Project Workplan Handbook (Intranet only)

Complete Streets Decision Document – Implementation dated February 11, 2021

Cooperative Agreement Handbook (Intranet only)

CTC Guidelines for the Preparation of Project Study Reports

Department as CEQA Lead Agency for Projects on the State Highway System

Deputy Directive DD-23 – Roles and Responsibilities for Development of Projects on the State Highway System (Intranet only)

Design Engineering Evaluation Report Application Checklist

Design Information Bulletins

Design Scoping Index

Division of Environmental Analysis-Purpose and Need

Division of Maintenance-Major Damage and Director’s Orders (Intranet only)

Division of Traffic Operations-Office of Encroachment Permits and Engineering Support

Division of Transportation Planning-Office of Program and Project Planning (Intranet only)
Hyperlinks to other Documents and Websites

Division of Transportation Planning-Office of Smart Mobility and Climate Change

Division of Transportation Planning-Office of Smart Mobility and Climate Change

Division of Financial Programming-Office of Capital Improvement Programming (OCIP)

Division of Financial Programming-Office of Federal Transportation Management Program

Division of Financial Programming-State Highway Operation and Protection Program (SHOPP) and Minor Program

Division of Financial Programming-State Highway Operation and Protection Program (SHOPP) (Intranet only)

Encroachment Permit Application Review form (TR-0110)

Encroachment Permits Manual

Encroachment Project Review Process Change Approval Form (TR-0417)

FHWA Financial Planning and Fiscal Constraint for Transportation Plans and Programs Questions & Answers

Highway Design Manual

Main Street, California

PEER form

Project Communication Handbook (Intranet only)

Quality Assurance Program Guide for Design Projects (Intranet only)


SHOPP Project Initiation Report (PIR) Guidance

Standard Environmental Reference

Stewardship and Oversight Agreement on Project Assumption and Program Oversight
Chapter 10 – Formal Project Studies

Highway Design Manual

Plans Preparation Manual

Standard Environmental Reference

Chapter 11 – Public Hearing

Local Assistance Procedures Manual

Standard Environmental Reference

Chapter 12 – Project Approvals and Changes to Approved Projects

California Manual on Uniform Traffic Control Devices

Complete Streets Decision Document – Implementation dated February 11, 2021

Contract Managers Handbook (Intranet only)

Division of Maintenance-Major Damage and Director’s Orders (Intranet only)

Standard Environmental Reference

Stewardship and Oversight Agreement on Project Assumption and Program Oversight

Chapter 13 – Project Related Permits, Licenses, Agreements, Certifications, and Approvals

Caltrans Drainage References (Intranet only)

Central Valley Flood Protection Board Permitting

Cooperative Agreement Handbook (Intranet only)

Local Development-Intergovernmental Review (Intranet only)

Maintenance Agreements (Intranet only)

Maintenance Manual
Chapter 14 – Preparation of Project Plans

Chapter 15 – Final Project Development Procedures
Chapter 16 – Cooperative Agreements

Cooperative Agreement Handbook (Intranet only)

Chapter 17 – Encroachments and Utilities

Design Stewardship Delegation (Intranet only)

Chapter 18 – Environmental Contamination

Areas Likely to Contain Naturally Occurring Asbestos (Intranet only)
Right of Way Manual

Chapter 19 – Value Analysis

Construction Manual

Standard Plans

Standard Specifications

Value Analysis

Value Analysis Team Leader Guide

Chapter 20 – Project Development Cost Estimates

Coded Contract Items (Intranet only)

Cost Estimating (Intranet only)

Office of Project Support

Information about BEES (Intranet only)

Plans Preparation Manual

Project Changes Handbook (Intranet only)

Construction Contract Development Guide

Chapter 21 – Design Standard Decisions

Categorical Exclusion Memorandum

Design Stewardship Delegation (Intranet only)

FHWA Design Standards

Highway Design Manual

Stewardship and Oversight Agreement on Project Assumption and Program Oversight
Chapter 22 – Community Involvement

Standard Environmental Reference

Chapter 23 – Route Adoptions

Highway Design Manual

Plans Preparation Manual

Chapter 24 – Freeway Agreements

Design Stewardship Delegation (Intranet only)

Highway Design Manual

Maintenance Agreements Manual (Intranet only)

Plans Preparation Manual

Right of Way Manual

Route Matters and Freeway Agreements (Intranet only)

Chapter 25 – Relinquishments

Cooperative Agreement Handbook (Intranet only)

FHWA relinquishment approval letter templates (Intranet only)

Highway Design Manual

Right of Way Manual

Standard Environmental Reference

Chapter 26 – Disposal of Rights-of-Way for Public or Private Road Connections

Highway Design Manual

Right of Way Manual

Stewardship and Oversight Agreement on Project Assumption and Program Oversight
Standard Environmental Reference

**Chapter 27** – Access Control Modification

California Manual on Uniform Traffic Control Devices

[Engineering, Operational and Safety Analysis Guidance](#) (Intranet only)

[Environmental Annotated Outlines/Re-Validation Forms](#)

Federal Highway Administration – National Policy

[FHWA Controlling Criteria](#)

[FHWA Interstate System Access Informational Guide](#)

[Highway Design Manual](#)

[Interstate System Access Informational Guide](#)

[Maintenance Agreements Manual](#) (Intranet only)

[Policy on Access to the Interstate System](#)

[Right of Way Manual](#)

[Stewardship and Oversight Agreement on Project Assumption and Program Oversight](#)

**Chapter 28** – Resolutions of Necessity

None

**Chapter 29** – Landscape Architecture

[CADD Users Manual](#)

[California Green Buildings](#)

[California Manual on Uniform Traffic Control Devices](#)

[California Outdoor Advertising Act](#)

[Caltrans Best Practices Public Participation Reference](#)
Construction Manual

Design Information Bulletins

Division of Transportation Planning

Division of Transportation Programming-State Highway Operation and Protection Program (SHOPP) and Minor Program

Encroachment Permits Manual

Flexibility in Highway Design

Highway Design Manual

Landscape Architecture Program-Blue Star Memorial Highways

Landscape Architecture Program-Design Guidance

Landscape Architecture Program-Safety Roadside Rest Area System

Landscape Architecture Program-Scenic Highways

Landscape Architecture PS&E Guide

Main Street, California

Maintenance Manual

Plans Preparation Manual

Project Communication Handbook (Intranet only)

Construction Contract Development Guide

Right of Way Manual

Safety Roadside Rest Area Master Plan

Standard Environmental Reference

Storm Water Quality Handbooks: Project Planning and Design Guide
Chapter 30 – Highway Traffic Noise Abatement

Highway Design Manual

Cooperative Agreement Handbook (Intranet only)

Chapter 31 – Nonmotorized Transportation Facilities

California Manual on Uniform Traffic Control Devices

Design Information Bulletins

Highway Design Manual

Local Assistance Procedures Manual

Chapter 32 – Lands and Buildings Facilities

California Green Buildings

State Administrative Manual

Appendix A – Preparation Guidelines for Project Study Report-Project Report

Appendix A Template

Appendix B – Deleted

None

Appendix C – Deleted

None

Appendix D – Preparation Guidelines for Project Report (New Highway Planting or Roadside Rehabilitation)

Storm Water Quality Handbooks: Project Planning and Design Guide

Model Water Efficient Landscape Ordinance
Appendix E – Deleted
None

Appendix F – Deleted
None

Appendix G – Deleted
None

Appendix H – Deleted
None


Complete Streets Program

Highway Design Manual

PID Guidance (Intranet only)

PID Guidance

Quality Assurance Program Guide for Design Products (Intranet only)

Standard Environmental Reference

Transportation Management Plan Guidelines

Wired Broadband Facilities on State Highway Right of Way

Appendix J – Deleted
None

Appendix K – Preparation Guidelines for Project Report

Appendix K Template

Air Quality Conformity (Intranet only)
Hyperlinks to other Documents and Websites

- **Coding Manual** (Intranet only)
- **Complete Streets Program**
- **Congestion Mitigation and Air Quality** (Intranet only)
- **Design Information Bulletins**
- **Design Scoping Index**
- **Highway Design Manual**
- **High-Occupancy Vehicle Guidelines** (Intranet only)
- **Interim Guidance on AB2542 Reversible Lanes Requirement** (Intranet only)
- **Office of Asset Management** (Intranet only)
- **PID Guidance** (Intranet only)
- **PID Guidance**
- **Plans Preparation Manual**
- **Project Risk Management Handbook: A Scalable Approach** (Intranet only)
- **Ramp Metering Design Manual**
- **Right of Way Manual**
- **Standard Environmental Reference**
- **Stewardship and Oversight Agreement on Project Assumption and Program Oversight**
- **Title VI Program**
- **Title VI Program** (Intranet only)
- **Traffic Noise Analysis Protocol**
- **Transportation Management Plan Guidelines**
- **Wired Broadband Facilities on State Highway Right of Way**
Appendix L – Preparation Guidelines for Project Study Report

Appendix L Template

Coding Manual (Intranet only)

Complete Streets Decision Document – Implementation dated February 11, 2021

Congestion Mitigation and Air Quality (Intranet only)

Cost Estimating (Intranet only)

Design Information Bulletins

Design Scoping Index

Division of Maintenance-State Highway Operation and Protection Program (SHOPP) (Intranet only)

Division of Transportation Programming-Office of Capital Improvement Programming (OCIP)

Division of Transportation Programming-State Highway Operation and Protection Program (SHOPP) and Minor Program

Full Closure Guidelines

Highway Design Manual

Plans Preparation Manual

Project Development Workflow Guide

Project Phase and WBS Level 5 Flow Chart

Project Risk Management Handbook: A Scalable Approach (Intranet only)

PSR-PDS Guidance

Roadside Management Toolbox

Scoping Tools
Hyperlinks to other Documents and Websites

SHOOP Project Initiation Report (PIR) Guidance

Standard Environmental Reference

Stewardship and Oversight Agreement on Project Assumption and Program Oversight

Storm Water Quality Handbooks: Project Planning and Design Guide

Transportation Management Plan Guidelines

Workplan Standards Guide (Intranet only)

**Appendix M** – Preparation Guidelines for Project Report (Safety Roadside Rest Area)

Standard Environmental Reference

Appendix N – Deleted

None

Appendix O – Deleted

None

Appendix P – Deleted

None

**Appendix Q** – Preparation Guidelines for Project Report (Roadside Safety Improvements)

Roadside Management Toolbox

Storm Water Quality Handbooks: Project Planning and Design Guide

Appendix R – Deleted

None

**Appendix S** – Preparation Guidelines for Project Study Report-Project Development Support Project Initiation Document

Appendix S Estimate Template
Appendix S Template

Coding Manual (Intranet only)

Complete Streets Decision Document – Implementation dated February 11, 2021

Congestion Mitigation and Air Quality (Intranet only)

Department as CEQA Lead Agency for Projects on the State Highway System

Design Information Bulletins

Design Scoping Index

Division of Transportation Programming-Office of Capital Improvement Programming (OCIP)

Highway Design Manual

Plans Preparation Manual

Project Development Workflow Guide

Project Nomination Process (Intranet only)

Project Phase and WBS Level 5 Flow Chart

Project Risk Management Handbook: A Scalable Approach (Intranet only)

Risk Management (Intranet only)

Scoping Tools

Standard Environmental Reference

Stewardship and Oversight Agreement on Project Assumption and Program Oversight

Storm Water Quality Handbooks: Project Planning and Design Guide

Storm Water

Team Charter Development (Intranet only)

2015 Ten-Year State Highway Operation and Protection Program Plan (SHOPP Plan)
Appendix T – Deleted

None

Appendix X – Deleted

None

Appendix Z – Preparation Guidelines for Relinquishment Approval Report

Appendix Z Template

Coding Manual (Intranet only)

Division of Environmental Analysis-Purpose and Need

Highway Design Manual

Interim Guidance on Complete Streets and Climate Change for SHOPP (Intranet only)

Plans Preparation Manual

Project Risk Management Handbook: A Scalable Approach (Intranet only)

SHOPP Project Initiation Report (PIR) Guidance

State Highway Operation and Protection Program Compliance with Executive Order B-30-15 (Intranet only)

Stewardship and Oversight Agreement on Project Assumption and Program Oversight

Appendix AA – Deleted

None

Appendix BB – Design Standard Decision Documentation

California Manual on Uniform Traffic Control Devices

Categorical Exclusion Memorandum

Highway Design Manual
Highway Safety Manual

Mitigation Strategies for Design Exceptions

Plans Preparation Manual

Roadside Design Guide (available through the Caltrans Library [Intranet only])

**Appendix CC** – Preparation Guidelines for Freeway Agreement

Highway Design Manual

Plans Preparation Manual

**Appendix DD** – Hazardous Waste

None

**Appendix EE** – Highway Planting “One Liner” and Design Intent Statement (DIS)

None

**Appendix FF** – Complete Streets Decision Documentation

Complete Streets Decision Document – Implementation

Complete Streets Elements Toolbox

Contextual Guidance for Bike Facilities Memo, dated March 11, 2020

Bikeway Facility Selection Guidance Memo, dated June 30, 2020

FHWA Bikeway Facility Selection Guide

Highway Design Manual

Design Information Bulletin 89, Class IV Bikeway Guidance (Separated Bikeways/Cycle Tracks)

AASHTO Bicycle and Pedestrian Facility Design Guides (Intranet only)

Appendix FF Template
Appendix GG – Project Data Checklists
None

Appendix HH – Public Involvement
None

Appendix II – Rescissions
None

Appendix JJ – Preparation Guidelines for Resolution of Necessity
None

Appendix KK – Deleted
None

Appendix LL – Utility Policy Certification and Utility Matrix
None

Appendix MM – Deleted
None

Appendix NN – Deleted
None

Appendix OO – Deleted
None

Appendix QQ – Preparation Guidelines for Survey File

CADD Users Manual

Plans Preparation Manual

Surveys Manual
Project Development Procedures Manual
Hyperlinks to other Documents and Websites

Construction Contract Development Guide