

APPENDIX P – Preparation Guidelines for Project Scope Summary Report (Structure Rehabilitation)

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APPENDIX P – Preparation Guidelines for Project Scope Summary Report (Structure Rehabilitation)

CHAPTER 1 – Overview

Use of Project Scope Summary Report (Structure Rehabilitation)

These guidelines provide information to be used with the procedures described in the [Highway Design Manual \(HDM\)](#), [Design Information Bulletin 79, Chapter 9, 10, 11, and 12](#) of the Project Development Procedures Manual (PDPM). These projects are funded from the following programs: 20.20.210.110 Bridge Rehabilitation/Replacement (110), 20.20.210.111 Bridge Scour Mitigation (111) and 20.20.210.112 Bridge Rail Replacement and Upgrade (112) Program. The project scope summary report (PSSR) outline satisfies the requirements for both the project initiation document (PID) and the project report (PR) if the environmental document criteria is also met.

The majority of 110, 111, and 112 Program projects have a well-defined scope and follow a process that combines the project initiation and project approval phase. However, the scope, cost and schedule of any bridge project can be greatly influenced by constraints placed on a project from environmental control agencies (e.g. California Coastal Commission, Department of Fish and Game) and land owners (e.g., railroads, utility district). Projects that have complex constraints that would typically require more than four years to resolve should be clearly identified so that the appropriate programming mechanism can be utilized. The project development team (PDT) should review project factors and determine whether the PSSR will signify completion of the project initiation phase or if a combined project initiation and approval process is appropriate. Article 5, [Chapter 9](#) of this manual describes subsequent approval procedures, related to the project development milestone reached with the signing of the PSSR.

The following guidance is tailored to projects with a primary project scope of structure rehabilitation. The PSSR (Structure Rehabilitation) template shown in [Chapter 3](#) of this appendix should be modified to include or exclude any applicable deficiencies or issues. See [Appendix L](#) – Preparation Guidelines for Project Study Report and [Appendix K](#) – Preparation Guidelines for Project Report for fundamental guidance and tools on the preparation of PID and project approval documents.

For a detailed sequence of the actions to complete a PSSR see the [Project Development Workflow Tasks](#).

The PSSR is the primary project reference document used by both Headquarters and the District, and as such, the need for accurate and complete project information is essential.

PID Preparation

Scoping Team

A scoping team is staffed at the discretion of the district. The composition of the team will vary in accordance with the complexity of the project. As a minimum, the scoping team will consist of a representative of the Office of Specialty Investigation and Bridge Management, and the district project engineer. Also consider including the district construction representatives, district environmental unit, district right of way unit, district traffic operations representatives and the bridge inspector. The team identifies project issues and makes team recommendations.

Project Scoping

A scoping team field review is required for all resurfacing, restoration, and rehabilitation (RRR) projects. See Article 5, [Chapter 9](#) of this manual for a discussion this requirement.

RRR work is designed to preserve and extend the service life for at least ten years as well as upgrade safety where reasonable. RRR differs from new construction or reconstruction in that the scope does not include capacity improvements, major realignments or major upgrading of structure features or standards. The designer must always emphasize implementation of cost-effective safety improvements where practical. [DIB 79](#) provides the guidelines and criteria to identify appropriate safety upgrades on RRR projects.

The use of the Design Scoping Index found in [Appendix L](#) can also assist the project team in properly scoping a project. The Design Scoping Index can be used to identify facility deficiencies and the concerns of stakeholders. The Design Scoping Index connects the information from various functional units. Functional units submit information using the Planning Scoping Checklist, the Design Checklist, the Traffic Scoping Checklist, the Preliminary Environmental Analysis Report, the Division of Engineering Services Scoping Checklist/Advanced Planning Study and the Right of Way Data Sheet. The PDT should evaluate which deficiencies can be addressed given the purpose and need, program definition and funding constraints.

Field-reviews & Documentation

All projects shall be reviewed in the field as discussed in Chapter 2, Article 2 of [Appendix L](#) and the [PDWT Manual](#).

In addition to the Design Scoping Index, the PSSR (Structure Rehabilitation) template will be used as a tool to compile information during the project scoping process. The district should compile existing information into the PSSR (Structure Rehabilitation) template prior to scoping field-review and should furnish the information to each of the participants in advance of the scoping field-review for their review and comment.

District Planning, Environmental and Right of Way Involvement

The scope of the structure improvements proposed for a rehabilitation project is often influenced by potential impacts on the surrounding land and development. This is especially true for non-freeway rehabilitation projects. Social, environmental, and economic impacts may influence the scope of a rehabilitation project. This is particularly true where existing right of way is narrow and adjacent development is extensive. The district transportation planning branch should be involved to provide background about city, county, and regional actions that have taken place within the project corridor that may have a bearing on the scope of the project. Some projects may require extensive involvement of the district right of way branch and environmental unit. The functional units should become involved as early as possible in the project development process to determine the appropriate level of involvement. Developing a plan for their involvement should help to avoid potential delays in project delivery and minimize potential changes in project scope that may result in project cost increases.

Safety Considerations

A safety analysis is performed early for all rehabilitation projects. These projects preserve and extend the service life of existing highways, bridges and appurtenances; and also enhance safety. Therefore rehabilitation projects may also include improving geometric features or appurtenances for safety purposes. See [Chapter 9](#) of this manual for information on the requirements of a safety analysis.

In addition to completing a safety analysis, all projects must be reviewed by the District Safety Review Committee prior to approval of a PID. See [Chapter 8](#) of this manual and the [HDM Section 110.8](#) for specific information regarding safety reviews. Project revisions that occur as a result of safety reviews and recommendations may require additional environmental studies or right of way requirements. Notify the appropriate district unit of revisions and determine the follow-up action required.

Reliable Project Scope and Cost Estimates

To minimize future cost increases, a thorough scoping of projects and reliable project cost estimates are needed. Reliable project cost estimates are extremely important at every stage in the project development process. Inaccurate estimates result in problems in Caltrans' programming and budgeting. The final concept, scope, and cost of each project must be established as early as possible. Initial estimates made for rehabilitation projects should be based on the results of field-reviews and include all anticipated work (e.g., safety, restoration, hardware modification, etc.). See [Chapter 20](#) and [Appendix AA](#) of this manual for further guidance on estimating project costs.

PID Approval

The District Director (or Deputy District Director per Caltrans Delegation of Authority) is responsible for approval of the PSSR (Structure Rehabilitation).

PID Distribution

A copy of the draft PSSR shall be sent to the appropriate [HQ SHOPP Program Advisor](#).

Two copies of the approved report shall be sent to:

Division of Design
Office of Project Development Procedures
Attention: Design Report Routing
Mail Station #28

One copy of the approved report shall be sent to:

Appropriate [HQ SHOPP Program Advisor](#)

Five copies of the approved report shall be sent to:

HQ Division of Engineering Services
Program/Project & Resource Management
MS 9-5/11g

CHAPTER 2 – Guidelines for Completing the PSSR (Structure Rehabilitation) Template

General

The standard PSR outline found in [Appendix L](#) was adapted to meet the documentation needs of 110, 111, and 112 Program projects. Sections of the standard PSR were combined and fill-in-the-blank features were included to facilitate the presentation of project information. The following template is a guideline. The actual report should be similar in organization and may contain similar headings and subheadings, but will vary based on features, complexity, and issues. A template for the PSSR is found in [Chapter 3](#) of this appendix. The space for filling in various sections of the template has been condensed for practical viewing of the template. As appropriate, each section can be expanded to accommodate necessary information. The template should be modified to include or exclude any pertinent project information. "Not applicable" should be placed in the blanks for topics that do not apply to a specific project.

Cover Sheet

All PSSRs should have a standard cover sheet to provide project identification information and signatures. Information to be provided includes the following:

- Title

Indicate "Project Scope Summary Report (Structure Rehabilitation)"

- File Reference

District-County-Route-Post Mile (Dist-Co-Rte-PM)

The post mile should be given to the nearest 0.1 mile; if the project is 0.2 mile or more in length, give both the beginning and ending post mile.

Responsible Unit (RU)

The unit source code of the registered civil engineer in charge of the technical features of the project.

Expenditure Authorization (EA)

The multiphase EA, using the "0" phase for the project.

Month Year

Give the month and the year the report is being prepared.

- Clearly state the reason for the PSSR on the title sheet. Where the PSSR is a PID and project report include the following statements:
 - "Request Programming in the 200X SHOPP"
 - "Provide Project Approval"

Project approval requires that an environmental determination/document be attached to the report.

Where the PSSR does not document project approval delete the phrase "And Provide Project Approval" from the cover sheet.

- On Route _____ From _____ To _____

Provide a brief description of the project limits that corresponds to the post mile given above and ties the limits to commonly known physical features on the ground that can be identified on available mapping.

- Right of Way Endorsement

The statement shown in the template must be used and signed by the District Division Chief for Right of way. The signature indicates that the right-of way information in the PSSR and the right-of-way data sheet are complete, current, and accurate.

- Recommended Approval

A recommendation for approval must be signed by the project manager as an indication that all appropriate studies have been included and as an indication that the proposal is in accord with Caltrans policies.

- Approval

The PSSR is approved once the report is signed and dated by the District Director (or Deputy District Director per Caltrans Delegation of Authority). If applicable, the date of signing becomes the official project approval date.

Vicinity Map Sheet (Separate Sheet)

- Vicinity Map

Refer to the discussion on strip map under the discussion of Attachments.

- On Route _____ From _____ To _____

Provide a brief written description of the project limits that corresponds to the post miles given above and ties the limits to commonly known physical features on the ground that can be identified on available mapping.

Registered Civil Engineer's Stamp and Statement (Separate Sheet)

The second page of the PSSR (Structure Rehabilitation) contains the required stamp or seal and signature of a registered civil engineer who is the person in responsible charge. The sheet must include a statement indicating that the registered civil engineer attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Approval of the PSSR is a management decision and is separate from this technical signature of the person in responsible charge.

Table of Contents (Separate Sheet)

1. INTRODUCTION AND BACKGROUND

Provide a one or two sentence description of the project. Fill in the table.

2. RECOMMENDATION

See [Article 2, Appendix K](#) for a discussion of this section of the report.

3. PURPOSE AND NEED STATEMENT

Need:

Purpose:

4. EXISTING FACILITY, DEFICIENCIES AND TRAFFIC DATA

See [Chapter 1](#), Project Scoping of this Appendix P for a discussion of project scoping.

4A. ROADWAY GEOMETRIC INFORMATION

Provide the information requested in the table. If lane widths are not uniform, note the width of each lane.

For a bicycle lane not within the shoulder (e.g., left of a right turn only lane), use “Other Bicycle Lane” column. If the roadway is a bicycle route, but does not have designated bicycle lanes, answer “yes” in the “Bike Route” column.

Identify and provide the dimensions of transportation facilities that are not described in columns 2, 3, 4, 5, or 6. For example, if there is a pedestrian walkway adjacent to the roadway, identify the type of facility and the width of the facility. Edit the legend for the table as appropriate.

See [Chapter 1](#), Project Scoping, of this Appendix P for a detailed discussion of project scoping.

In the “Remarks” area, if RRR Standards are not being met, explain why, and provide exception approval date. An “Exception to Mandatory Design Standards Fact Sheet” must be completed. The district’s process for advisory design exceptions must be followed.

4B. CONDITION OF THE EXISTING FACILITY

Provide the information requested.

Describe the nonstandard design features for pedestrian features in the pedestrian facilities data table. See [DIB 82](#) for accessibility requirements. Edit the heading to show the appropriate location reference point.

If the facility is adjacent to the roadbed and is provided for the exclusive use of bicycles and pedestrians, complete the table for bicycle path data. See [HDM Chapter 1000](#) for bikeway condition guidance. Edit the heading to show the appropriate location reference point.

4C. STRUCTURES INFORMATION

Provide the information requested.

See [HDM Index 307.3](#) and [DIB 79](#) for details on bridge (lane and shoulder) with criteria.

As appropriate, discuss evaluation of the bridge rail type with respect to pedestrian and bicycle use in the remarks sections.

4D. TRAFFIC DATA

Traffic Volumes and Characteristics

Vehicle, bicycle, and pedestrian traffic data is needed for all rehabilitation projects to determine if the facility is at or approaching capacity, or if other improvements are needed. It is an important consideration both in the determination of the appropriate level of improvement (i.e., reconstruction vs. rehabilitation) and in the selection of values for various geometric elements. Discuss the current traffic data with respect to traffic demand in the construction year and how these factors affected the decisions regarding the timing of a major improvement such as additional lanes. Summarize information provided by the district transportation planning on bicycle and pedestrian traffic.

Provide the information requested.

Safety Improvements

All rehabilitation projects are to include a safety analysis (see [Chapter 9](#), Article 5). The analysis is to be documented in a separate report. The report is not to be attached to the PSSR.

In addition, a safety review is required to properly scope cost-effective improvements for safety and operational purposes. The PDT should evaluate the recommendations of the District Safety Review Committee to ensure that customer and stakeholder needs can be addressed and the Department's safety goal is upheld. See [Chapter 8, Section 7](#) of the PDPM and [Topic 110.8](#) of the *Highway Design Manual (HDM)* for further discussion of the safety review.

Special emphasis should be placed on implementing cost-effective solutions for safety improvements. When safety or operational improvements become a major factor in project scope, costs or impacts, the project becomes "reconstruction" (the fourth R). Reconstruction design criteria are covered by new construction standards shown in the *HDM*.

Accident Data

Evaluation of vehicle, bicycle, and pedestrian accident data often reveals situations that require attention. In addition, relative accident rates can be an important factor in establishing the scope of a rehabilitation project. A review of accident records is an integral part of the rehabilitation project development process. The individual accident records shall be not included in the PSSR. The analysis of the accident data shall be summarized as part of the project safety analysis. A summary of the recommendations shall be included in the PSSR.

5. CORRIDOR AND SYSTEM COORDINATION

It is important to provide a broad view of what is happening in the corridor. Information from district planning unit can be obtained by requesting a [Planning Scoping Checklist](#). This section should discuss:

- The long-term transportation plan for the corridor and how the strategy relates to the rehabilitation strategy. For example, identification of segments of roadway that may be relinquished can have an important impact of project decisions.
- Other planned projects in the corridor. Project management branches can provide information about other ongoing or anticipated projects in the vicinity of this project. District planning units can provide information about ongoing local projects in the area.

6. ALTERNATIVES

Discuss the proposal for rehabilitation of the structure in terms of how it will address the project purpose and need. Discuss the improvements that are necessary to bring the facility up to current design standards. Identify the recommended alternative, and if appropriate, clearly identify the preferred alternative. Based on project complexities, the writer has discretion on how individual alternatives are presented. Issues for each alternative may be itemized under that alternatives or summarized for several alternatives.

Other Considerations:

Summarize all major issues, reviews, and coordination efforts within Caltrans and with other interested agencies. The PSSR template has a list of common issues. Address each item as appropriate or put "not applicable." The template should be altered to include project specific issues. The report should include a summary of the risk management plan. Based on the complexities of the project, the risk management plan can be integrated into appropriate high-risk topic(s) or compiled into a separate summary.

For more information on alternatives to consider, see [Chapter 9 – Article 4](#) of this manual.

7. TRAFFIC MANAGEMENT PLAN

7A. TRAFFIC MANAGEMENT PLANS

Traffic Management Plans (TMPs) will be required if significant construction delays are anticipated. TMPs develop construction traffic handling practices such as lane closures, detours, mass transit service enhancements, and work-hour restrictions to minimize delays. As appropriate, address how bicycle and pedestrian traffic will be accommodated during construction. Costs associated with TMPs should be included in the cost estimate.

7B. VEHICLE DETECTION SYSTEMS

If appropriate, discuss the recommendations of the district traffic unit as it applies to maintaining the operation of the existing vehicle detection system. The vehicle detection is critical to traffic management and traveler information applications. Costs associated with staging or installation of any temporary detection system should be included in the cost estimate.

8. ENVIRONMENTAL DETERMINATION/DOCUMENT

If the proposed project is categorically exempt and/or categorically excluded (CE/CE), the PSSR should so indicate and document the approval date. Before approving a PSSR containing a CE/CE statement, the individual having authority to approve the project will have in hand the CE/CE determination form signed by the environmental unit chief and the functional unit division chief. The individual approving the project will then review the project to be certain that there have been no changes that affect the exemption determination and check that the project descriptions on the CE/CE determination form and in the PSSR correspond to each other. If there is any question, the environmental unit chief must be consulted. The CE/CE determination form, when required, must be attached to the PSSR.

9. FUNDING/SCHEDULING

9A. COST ESTIMATE

This template covers major items for structure rehabilitation projects. The table should be expanded to add cost items that are not listed on the template, but are specific to the project.

Districts should, in coordination with the DES-DOS, base their cost estimates on experience with similar projects and available historical data. See [Chapter 20](#) and [Appendix AA](#) for further details on estimating project costs.

9B. PROJECT SUPPORT

Include estimated PY effort and other support costs of project development and construction from the time the project is initially programmed through the final stages of construction. The proposed schedule should be based upon an evaluation of the worst case and the optimal scenario. This information is not required for Minor projects.

The cost of any specialty contracts or other atypical direct project costs that may be required for the project should also be estimated by the proposed fiscal year.

9C. PROJECT MILESTONES

Provide the project milestone dates in the table in the template.

10. FEDERAL COORDINATION

Discuss coordination with Federal Highway Administration (FHWA).

If either federal action or the use of federal funds is anticipated, include the following language:

This Report has been reviewed by *(Name and title of the FHWA Liaison Engineer)* reviewing on (date). Per (latest Federal Transportation Act), this project is eligible for federal-aid funding and is considered to be STATE-AUTHORIZED under current FHWA-Caltrans Stewardship Agreements. *(If either no federal-aid funding will be used or no FHWA approval required, delete the above statement and replace with the statement: "No federal-aid funding anticipated or no FHWA action required for this project.")*.

11. REVIEWS

The template includes a list of suggested reviews. Each district should modify the template to reflect reviews established by district procedures.

Include reviewer's signature and review completion date, or N/A if not applicable.

Approval of exceptions to mandatory design standards is the responsibility of the Headquarters Division of Design. This is accomplished via the mandatory design standard fact sheet process (see [Chapter 21](#) and [Appendix BB](#)). Approval of exceptions to mandatory design standards must be sought as early as possible in the project development process, especially where project concept and/or cost estimate depend on the proposed design exceptions. As soon as nonstandard design features are identified, the Headquarters Design coordinator or reviewer should be contacted to discuss the proposed nonstandard features. All nonstandard advisory design standards shall be handled in accordance with the District's approved procedures.

12. LIST OF ATTACHMENTS

See [Appendix L](#) for further information regarding what should be attached to a PID and what type of documents are more appropriate for project files.

Include the items listed on the boilerplate.

- Strip map (may be eliminated if the Vicinity Map contains the information discussed below)

A small map showing the project limits consistent with the brief description, post miles, and a north arrow. The map should be sufficient to locate the project at a glance for a person unfamiliar with the project. It should show the features used to identify the project limits such as roads, streams, junctions or railroads, and the nearest community that can be reasonably shown on the map, and a note indicating the direction to and name of the next community in each direction. It is necessary to understand the proposed work, as such pertinent project features are shown on the strip map. The vicinity map is not to be cluttered with project features.

- Advance Planning Study

An advance planning study should be attached for each structure on which rehabilitation work is proposed. See [Project Development Workflow Tasks](#) for further information on how to request an advance planning study.

- SHOPP Output Table

Contact the [Headquarters SHOPP Manager](#) for the SHOPP Project Output form and guidance on how to complete the form.

CHAPTER 3 – Template for Project Scope Summary Report (Structure Rehabilitation)

This Chapter is a template for the Project Scope Summary Report. Guidance for completing this template is located in Chapter 2 of this appendix.

Dist - Co - Rte, PM
20.20.201.xxx
EA
Month/Year

PROJECT SCOPE SUMMARY REPORT (STRUCTURE REHABILITATION)

To

Request Programming in the 20XX SHOPP And Provide Project Approval

(Delete "And Provide Project Approval" if an environmental determination/document is not attached)

On Route _____

Between _____

And _____

I have reviewed the right of way information contained in this Project Scope Summary Report and the R/W Data Sheet attached hereto, and find the data to be complete, current and accurate:

DISTRICT DIVISION CHIEF – RIGHT OF WAY

APPROVAL RECOMMENDED:

PROJECT MANAGER

APPROVED:

DISTRICT DIRECTOR

DATE

Dist. - Co. - Rte. – PM
EA
Month/Year

Vicinity Map

Show:

- Project Limits
- Topographical Features Discussed in Report
- North Arrow

On Route _____

Between _____

And _____

Dist. - Co. - Rte. - PM.

This Project Scope Summary Report has been prepared under the direction of the following registered civil engineer. The registered civil engineer attests to the technical information contained herein and the engineering data upon which recommendations, conclusions, and decisions are based.

REGISTERED CIVIL ENGINEER

DATE



Table of Contents

1. INTRODUCTION AND BACKGROUND

Brief Project Description:

See the Cost estimate for specific work items included in this project.

Project Limits [Dist., Co., Rte., PM]	
Capital Costs:	
Right of way Costs:	
Funding Source:	
Number of Alternatives:	
Recommended Alternative (for programming and scheduling):	
Type of Facility (conventional, expressway, freeway):	
Number of Structures:	
Anticipated Environmental Determination/Document:	
Legal Description	

2. RECOMMENDATION

3. PURPOSE AND NEED STATEMENT

Need:

Purpose:

4. EXISTING FACILITY, DEFICIENCIES AND TRAFFIC DATA

4A. Roadway Geometric Information

	Facility (1)	Minimum	Through Traffic Lanes (2)			Paved Shoulder Width (3)		Median (4)	Shoulder is a Bicycle Lane (Y/N) (5)	Other Bicycle Lane Width (6)	Bicycle Route (7)	Facilities Adjacent to the Roadbed (8)
	Location	Curve Radius	No. of Lanes	Lane Width	Type (Flex, Rigid, or Composite))	Left	Right	Width	Width	Width	(Y/N)	(Code/Width)
Existing	*											
Proposed	**											
	Min. 3R Stds.											

Column "Other Bicycle Lane Width": Width of a bicycle lane that is outside the shoulder and is part of the traveled way.

Code for Column "Facilities Adjacent to the Roadbed":

B: Bicycle Path

P: Pedestrian Walkway

B/P: Shared Bicycle and Pedestrian Path

L: Landscaped area between the curb and sidewalk

* Enter *EXISTING* Post Mile limits (Expand as needed, for varied geometrics.)

** Enter *PROPOSED* Post Mile (Expand as needed, for varied geometrics.)

Remarks:

4B. Condition of Existing Facility (Repeat info for each homogeneous segment):
 (1) Pedestrian Facility Data

Facility Type and Location(s) <i>(Station, post mile or other reference point)</i>	Meets ADA Standards? <i>(Yes or No for each listed location)</i>	If Facility does not meet ADA Standards, what feature(s) are not ADA compliant? <i>(List features per location)</i>	Status of Each Noncompliant Location <i>[Use the following statements, as appropriate:</i> <ul style="list-style-type: none"> • Will be corrected as part of this project; • Will not be corrected because it is technically infeasible to correct; • This work is outside the scope of this project. This facility and its location have been so documented in the Project History File and this information was submitted to the District ADA Coordinator on (Date) for inclusion in the Department's Transition Plan.]
Sidewalks: <i>(List locations as appropriate)</i>			
Curb Ramps: <i>(List locations as appropriate)</i>			
Crosswalks: <i>(List locations as appropriate)</i>			
Driveways: <i>(List locations as appropriate)</i>			
Shared bicycle/pedestrian path: <i>(List locations as appropriate)</i>			
Others: <i>(List locations as appropriate)</i>			

Remarks

(2) Bicycle Path Data

Deficiency	Location <i>(Station, post mile limits or other reference points)</i>

Remarks

4C. Structures Information

Structures	Width Between Curbs			Replace Bridge Railings (Y or N)	Vertical Clearance			Work Identified in STRAIN (Y or N)	Replace Bridge Approach Rail (Y or N)	Replace Bridge Approach Slab	
	Name/No.	Exist	3R Std		Prop	Exist	3R Std			Prop	(Y/N)

Remarks

4D. Vehicle Traffic Data

Present Year ADT _____

Construction Year ADT _____ 10-Year ADT _____

DHV _____ 20-Year ADT _____

D _____ % Trucks _____

*T.I. (10-Year) _____ ESAL (10-Year) _____

*T.I. (20-Year) _____ ESAL (20-Year) _____

- Must correlate with T.I. in Materials Report

Safety Field-Review _____
 (date)

Latest 3-Year Accident Data: _____
 (average vs. actual rates)

Location(s) of Accident Concentration: _____

Corrective Strategy: _____

5. CORRIDOR AND SYSTEM COORDINATION

6. ALTERNATIVES

6A. Rehabilitation Strategy:

6B. Design Exceptions:

6C. Environmental Compliance:

6D. Hazardous waste disposal site required? If yes, where are sites?

6E. Other Agencies Involved (Permits/Approvals from Fish & Game, Corps of Engineers, Coastal Commission, etc.):

6F. Materials and or disposal site needs and availability?

6G. Highway planting and irrigation:

6H. Roadside Design and Management:

6I. Stormwater Compliance:

6J. Right of way Issues: include in guidance:

6K. Railroad Involvement:

6L. Salvaging and recycling of hardware and other non-renewable resources:

6M. Prolonged temporary ramp closures:

6N. Recycled Materials:

6O. Local and Regional Input:

6P. What are the consequences of not doing this entire project?

6Q. List all alternatives studied, cost, reasons not recommended, etc.:

7. TRAFFIC MANAGEMENT

7A. Traffic Management Plan

7B. Vehicle Detection Systems

8. ENVIRONMENTAL DETERMINATION/DOCUMENT

Date Approved: _____

9. FUNDING/SCHEDULING

9A. COST ESTIMATE:

Proposed funding _____

STRAIN and other Structural Work (by Structure)	<u>Yes/No</u>	<u>*Cost</u>
(A) Replace		_____
(B) Rehab		
(a) Deck		_____
(b) Superstructure		_____
(c) Substructure		_____
(d) Joints		_____
(e) Bearings		_____
(f) Other		_____
(C) Scour Correction		_____
(D) Painting		_____
(E) Widening		_____
(F) Rail Replacement (without widening)		_____
(G) Strengthen		_____
(H) Seismic Retrofit		_____
(I) Vertical Clearance Adjustment		_____
(J) Drainage Rehab		_____
(K) Other **		_____

STRUCTURE COSTS SUBTOTALS		_____
District Work		
(A)	Traffic Control	_____
(B)	Pavement (include remove and replace)	_____
(C)	Bridge Approach Slab	_____
(D)	Bridge Approach Guardrail	_____
(E)	Drainage Adjustment and Rehab	_____
(F)	Rock Slope Protection	_____
(G)	Utility Relocation	_____
(H)	Railroad Agreements	_____
(I)	Right of Way	_____
(J)	Environmental Compliance	_____
(K)	Stormwater Compliance	_____
(L)	Roadside Management	_____
	Gore Area Pavement	_____
	Pavement beyond Gore Area	_____
	Miscellaneous Paving	_____
	Maintenance Vehicle Pull outs	_____
	Off-Freeway Access (gates, stairways, etc.)	_____
	Roadside Facilities	_____
(K)	Other (i.e., Hazardous Waste Compliance, etc.)**	_____
DISTRICT COSTS SUBTOTALS		_____
<hr style="border-top: 1px dashed black;"/>		
SUM OF SUBTOTALS		_____
20% Contingency		_____
TOTAL PROJECT COST		_____

Notes: * If duplicated in other items, show cost in parenthesis. Do not include support costs.
 ** Add additional lines as necessary. Do not include support costs.

9B. Project Support:

	PROJECT SUPPORT COMPONENTS								
	PA&ED 0 Phase		Design 1 Phase		Right of Way 2 Phase		Construction 3 Phase		Total
	Dist	DES	Dist	DES	Dist	DES	Dist	DES	
Estimated PYs									
Estimated PS \$'s									
Estimated PYE \$'s (\$1000's)									
Total \$'s									

9C. Project Schedule:

Milestones	Delivery Date (Month, Day, Year)
Begin Environmental	
Notice of Intent (NOI)	
Circulate DED	
PA & ED	
Regular Right of way	
Project PS&E	
Right of way Certification	
Ready to List	
Approve Contract	
Contract Acceptance	
End Project	

10. FEDERAL COORDINATION

This Report has been reviewed by *(Name and title of the FHWA Liaison Engineer)* reviewing on *(date)*. Per *(latest Federal Transportation Act)*, this project is eligible for federal-aid funding and is considered to be STATE-AUTHORIZED under current FHWA-Caltrans Stewardship Agreements. *(If either no federal-aid funding will be used or no FHWA approval required, delete the above statement and replace with the statement: "No federal-aid funding anticipated or no FHWA action required for this project.")*.

11. SCOPING TEAM FIELD REVIEW ATTENDANCE ROSTER:

Attachment _____ Date _____

Project Reviewed by:
 District Maintenance _____ Date _____

District Safety _____ Date _____

HQ Division of Design _____	Date _____
HQ Program Advisor _____	Date _____
FHWA _____	Date _____
Others _____	Date _____

12. ATTACHMENTS

- A. Strip Map - (may be eliminated if Vicinity Map on Cover Sheet is adequate)
- B. Typical Section(s)
- C. Proposed Project Schedule (PMCS-PYRS screen)
- D. Categorical Exemption/ Exclusion Form
- E. Right of Way Data Sheet
- F. Scoping Team Field-review Attendance Roster
- H. STRAIN Data/Supplemental Bridge Report
- J. Advance Planning Study
- K. Structural Section Recommendation (Memo from District Materials Unit for widening, realignment, etc.) - (as appropriate)
- L. SHOPP output Table