**Project Scope Summary Report**

**(Roadway Rehabilitation)**

***Enter reason(s) per Appendices L & K***

On Route

Between

And

I have reviewed the right-of-way information contained in this report and the right-of-way data sheet attached hereto, and find the data to be complete, current and accurate:

(Name), *DISTRICT DIVISION CHIEF, RIGHT OF WAY*

APPROVAL RECOMMENDED: *(delete signature block when milestone M015 has already been completed)*

(Name), *DISTRICT DIVISION CHIEF, PLANNING*

APPROVAL RECOMMENDED:

(Name), *PROJECT MANAGER*

PROJECT APPROVED: *(only include “PROJECT” for milestone M200 PA&ED)*

(Name), *DISTRICT DIRECTOR (or delegated authority) DATE*

**Vicinity Map**

|  |
| --- |
| *Insert a vicinity map, showing:*   * *Project limits* * *Topographical features listed in report* * *North arrow* |

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*



**XX/XX/XX**

**C12345**

**Name**

**Table of Contents**

*As needed, include a table of contents with the topics from the body of the report.*

**1. INTRODUCTION**

Project Description:

*Describe the proposed project.*

|  |  |  |
| --- | --- | --- |
| **Project Limits** | *District-County-Route*  *Begin Post Mile/End Post Mile* | |
| **Number of Alternatives** | *Delete row if not applicable* | |
| **Programmable Project Alternative** |  | |
|  | **Current Cost**  **Estimate:** | **Escalated Cost Estimate:** |
| **Capital Outlay Support** |  |  |
| **Capital Outlay Construction** |  |  |
| **Capital Outlay Right-of-Way** |  |  |
| **Funding Source** | *Enter program code(s)* | |
| **Funding Year** |  | |
| **Type of Facility** | *#-lane conventional highway, expressway, freeway* | |
| **Number of Structures** |  | |
| **SHOPP Project Output** |  | |
| **Anticipated Environmental Determination or Document** | *Delete “Anticipated” as needed* | |
| **Legal Description** | *See the Plans Preparation Manual Section 2-2.2 heading “Title Sheet Project Descriptions”* | |
| **Project Development Category** | *See PDPM Chapter 8, Section 5* | |

**2. RECOMMENDATION**

*State the recommendation.*

**3. PURPOSE AND NEED**

**Purpose:**

*State the purpose of the project.*

**Need:**

S*tate the need for the project.*

**4. EXISTING FACILITY, DEFICIENCIES AND TRAFFIC DATA**

**4A. Roadway Geometric Information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Existing | Proposed | Minimum RRR Standards |
| Facility Location | (Post Mile Limits) | (1) | (2) |  |
| Minimum Curve Radius | Radius (ft) |  |  |  |
| Through Travel Lanes | Number of Lanes |  |  |  |
| Lane Width (ft) |  |  |  |
| Paved Shoulder | Width Left (ft) |  |  |  |
| Width Right (ft) |  |  |  |
| Median | Width (ft) |  |  |  |
| Bikeway(3) | Class Left |  |  |  |
| Width Left (ft) |  |  |  |
| Class Right |  |  |  |
| Width Right (ft) |  |  |  |
| Facilities Adjacent to Roadbed (4) | Code-Width (ft) |  |  |  |

Notes:

1. Enter existing Post Mile limits (expand as needed for varied geometrics.)

2. Enter proposed Post Mile limits (expand as needed for varied geometrics.)

3. Bikeway Classifications:

Class I Bikeway (Bike Path)

Class II Bikeway (Bike Lane)

Class III Bikeway (Bike Route)

Class IV Bikeway (Separated Bikeway)

4. Don’t repeat information for Class I and IV bikeways. Facility Codes:

P – Pedestrian walkway

B/P – shared bicycle and pedestrian path

L – Landscaped area between the curb and sidewalk

Remarks:

*Add remarks.*

**4B. Condition of Existing Facility (Repeat for each homogeneous segment):**

**1) Traveled Way Data**

PMS Category (1-29) Priority Classification (.1-.4)

International Roughness Index (IRI)

\*Rigid Pavement: \*Flexible Pavement:

\* From latest PMS-Pavement Condition Inventory Survey Data.

3rd Stage Cracking % Alligator B Cracking %

Faulting Patching %

Joint Spalls Rutting

Pumping Bleeding

Corner Breaks % Raveling

Locations(s) of subsurface or ponded surface-water problem:

*Discuss.*

Deflection Study Results (if available):

*Discuss.*

**2) Shoulder Data**

Condition:

*Discuss.*

Deficiencies

*Discuss.*

**3) Pedestrian Facility Data**

|  |  |  |  |
| --- | --- | --- | --- |
| **Facility Type and Location(s)**  (*Station, post mile or other reference point)* | **Meets ADA Standards?**  *(Yes or No for each listed location)* | **If Facility does not meet ADA Standards, what feature(s) are not ADA compliant?**  (*List features per location)* | **Status of Each Noncompliant Location**  Use the following statements, as appropriate:   * *Will be corrected as part of this project;* * *Will not be corrected to full standard. An Exception to Accessibility Design Standards has been approved.* |
| **Curb Ramps:**  *(List locations as appropriate)* |  |  |  |
| **Crosswalks:**  *(List locations as appropriate)* |  |  |  |
| **Others:**  *(List locations as appropriate)* |  |  |  |

Remarks:

*Add remarks.*

**4) Bicycle Path Data**

|  |  |
| --- | --- |
| Deficiency | Location  (Station, post mile limits or other reference points) |
|  |  |
|  |  |

Remarks:

*Add remarks.*

**4C. Structures Information**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Structures | Width Between Curbs | | | Replace Bridge Railings | Vertical Clearance | | | Work Identified in STRAIN | Replace Bridge Approach Rail | Replace Bridge Approach Slab | |
| Name  Number | Exist  (ft) | RRR Std  (ft) | Prop  (ft) | (Y/N) | Exist  (ft) | RRR Std  (ft) | Prop  (ft) | (Y/N) | (Y/N) | (Y/N) | # |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

Remarks:

*Add remarks.*

**4D. 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 Collision Data:

(average vs. actual rates)

Location(s) of Collision Concentration:

Corrective Strategy:

*Discuss.*

**4E. Materials**

*Discuss.*

**5. CORRIDOR AND SYSTEM COORDINATION**

*Discuss.*

**6. ALTERNATIVES**

**6A. Rehabilitation strategy:**

*Discuss.*

**6B. Design exceptions:**

*Discuss.*

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

*Discuss.*

**6D. Material and/or disposal site need and availability?**

*Discuss.*

**6E. Highway planting and irrigation:**

*Discuss.*

**6F. Roadside design and management**

*Discuss.*

**6G. Stormwater compliance:**

*Discuss.*

**6H. Right-of-way and utility issues:**

*Discuss.*

**6I. Railroad involvement:**

*Discuss.*

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

*Discuss.*

**6K. Prolonged temporary ramp closures:**

*Discuss.*

**6L. Recycled materials:**

*Discuss.*

**6M. Local and regional input:**

*Discuss.*

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

*Discuss.*

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

*Discuss.*

**7. TRANSPORTATION MANAGEMENT**

**7A. Transportation Management Plan**

*Discuss.*

**7B. Vehicle Detection Systems**

*Discuss.*

**8. ENVIRONMENTAL COMPLIANCE**

*Discuss.*

Date Approved:

**9. PROJECT ESTIMATE**

*Repeat STRAIN Work table for each structure. Do not include capital outlay support in the estimates. If the estimate for a specific item is duplicated in another item, show estimate in parenthesis and add a note. Add additional rows/lines as needed.*

|  |  |  |  |
| --- | --- | --- | --- |
| Pavement Work |  |  |  |
|  | Lane Miles | Number | Estimate |
| Total Lane-Miles of Rehabilitation | \_\_\_\_\_\_\_ |  |  |
| Flexible Overlay of Flexible Pavement  (recycle not included) (1, 2) | \_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_\_ |
| Rigid Overlay of Flexible Pavement | \_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_\_ |
| Hot Recycled AC (1, 2) | \_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_\_ |
| Cold Recycled AC (1, 2) | \_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_\_ |
| Reconstruct Lane(s) | \_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_\_ |
| Crack Seal & Flexible Overlay of Rigid  Pavement (2) | \_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_\_ |
| Rigid Overlay of Rigid Pavement (2) | \_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_\_ |
| Rigid Pavement Rehabilitation  (list appropriate work type: grind, slab replacement, spall repair, grout & seal random cracks, lane replacement, joint seal, etc.) | \_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_\_ |
| Ramps | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| OC/UC and Bridge Approaches (list appropriate work type: grind, replace, etc.) |  | \_\_\_\_\_\_\_ |  |
| Edge Drain (side mi) | \_\_\_\_\_\_\_ |  | \_\_\_\_\_\_\_\_\_ |
| **Subtotal** |  |  | \_\_\_\_\_\_\_\_\_ |

Notes:

1. Include cost to remove and replace localized failed areas.

2. Include cost of shoulder backing material for increased thickness at shoulder edge, as needed.

|  |  |
| --- | --- |
| STRAIN Work – *Enter structure number here* |  |
|  | Estimate |
| *List Work Items* | \_\_\_\_\_\_\_\_\_ |
| *List Work Items* | \_\_\_\_\_\_\_\_\_ |
| **Subtotal** | \_\_\_\_\_\_\_\_\_ |

|  |  |  |
| --- | --- | --- |
| Does the Project Include: |  |  |
|  | Yes/No | Estimate |
| Main Line Widening (lanes and/or shoulders) | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Bridge Widening and Rail Upgrade | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Included in Project  Deferred (why) | \_\_\_\_\_\_\_ |  |
| Bridge Rail Upgrade - Without Widening | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Included in Project  Deferred (why) | \_\_\_\_\_\_\_ |  |
| Vertical Clearance Adjustment | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Drainage Rehabilitation  (list appropriate work type: roadbed surface, roadside off-site, subsurface, etc.) | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Pedestrian Facilities | \_\_\_\_\_\_\_ |  |
| Alternations Required (list): | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Traffic Control | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Other  (identify: e.g., mobilization, hazardous waste compliance, etc.) | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| **Subtotal** |  | \_\_\_\_\_\_\_\_\_ |

|  |  |  |
| --- | --- | --- |
| Safety |  |  |
|  | Yes/No | Estimate |
| Rumble Strip | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Superelevation/Cross Slope Correction | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Vertical Alignment | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Horizontal Alignment | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Left/Right-Turn Storage/Widening/Lengthening | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Signal Upgrade | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Median Barrier (state type: e.g., PCC, Thrie Beam) | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Metal Beam Guardrails (new) | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Concrete Guardrail (new) | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Roadside Cleanup | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Gore Cleanup | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Electroliers | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| **Subtotal** |  | \_\_\_\_\_\_\_\_\_ |

|  |  |  |
| --- | --- | --- |
| Roadside Management |  |  |
|  | Yes/No | Estimate |
| Gore Area Pavement | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Pavement beyond Gore Area | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Miscellaneous Paving | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Maintenance Vehicle Pull-outs | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Off-Freeway Access (gates, stairways, etc.) | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| Roadside Facilities | \_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_ |
| **Subtotal** |  | \_\_\_\_\_\_\_\_\_ |

|  |  |
| --- | --- |
| Totals | Estimate |
| **Pavement Work Subtotal** | \_\_\_\_\_\_\_\_\_ |
| **STRAIN Work Subtotal** | \_\_\_\_\_\_\_\_\_ |
| **Does the Project Include Subtotal** | \_\_\_\_\_\_\_\_\_ |
| **Safety Subtotal** | \_\_\_\_\_\_\_\_\_ |
| **Roadside Management Subtotal** | \_\_\_\_\_\_\_\_\_ |
| **Sum of Subtotals** | \_\_\_\_\_\_\_\_\_ |
| **20% Contingency** | \_\_\_\_\_\_\_\_\_ |
| **Mobilization** | \_\_\_\_\_\_\_\_\_ |
| **TOTAL PROJECT ESTIMATE** | \_\_\_\_\_\_\_\_\_ |

**10. FUNDING/PROGRAMMING**

Funding

*Discuss the project funding and include one of the following statements:*

It has been determined that this project is eligible for Federal-aid funding.

*Or*

It has been determined that this project is not eligible for Federal-aid funding.

Programming

*If the project is already programmed, include the data for comparison and discuss how the proposed estimates compare to the current programmed amounts.*

*Discuss if project has been combined.*

*Complete the table for each funding source. Consult with the project manager to determine the fiscal funding year, the escalated estimates, and the escalation rates. Enter funding source, estimates, adjust fiscal year designations as needed, and state any key assumptions including the escalation rates used.*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fund Source | Fiscal Year Estimate | | | | | | | | |
| 20.XX.201.### | Prior | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | Future | Total |
| Component | In thousands of dollars ($1,000) | | | | | | | | |
| PA&ED Support |  |  |  |  |  |  |  |  |  |
| PS&E Support |  |  |  |  |  |  |  |  |  |
| Right-of-Way Support |  |  |  |  |  |  |  |  |  |
| Construction Support |  |  |  |  |  |  |  |  |  |
| Right-of-Way |  |  |  |  |  |  |  |  |  |
| Construction |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |

*State the support cost ratio. Consult with the project manager to determine the support cost ratio.*

The support cost ratio is ##.##%.

**11. DELIVERY SCHEDULE**

|  |  |  |  |
| --- | --- | --- | --- |
| Project Milestones | | Milestone Date  (Month/Day/Year) | Milestone Designation (Target/Actual) |
| PROGRAM PROJECT | M015 |  |  |
| BEGIN ENVIRONMENTAL | M020 |  |  |
| NOTICE OF PREPARATION (NOP) | M030 |  |  |
| NOTICE OF INTENT (NOI) | M035 |  |  |
| CIRCULATE DED EXTERNALLY | M120 |  |  |
| PA & ED | M200 |  |  |
| PS&E TO DOE | M377 |  |  |
| DRAFT STRUCTURES PS&E | M378 |  |  |
| RIGHT OF WAY CERTIFICATION | M410 |  |  |
| READY TO LIST | M460 |  |  |
| FUND ALLOCATION | M470 |  |  |
| HEADQUARTERS ADVERTISE | M480 |  |  |
| AWARD | M495 |  |  |
| APPROVE CONTRACT | M500 |  |  |
| CONTRACT ACCEPTANCE | M600 |  |  |
| END PROJECT | M800 |  |  |

*M030 is only required when there is an EIR environmental document, M035 is only required when there is an EIS environmental document, M120 is only required if there is a draft environmental document that will be released to the public, and M378 is not required, but optional if there are structures involved, delete rows as needed. The Milestone Designation column may be deleted when all the milestone dates are in the future.*

**12. RISKS**

*Summarize information from the risk register.*

**13. EXTERNAL AGENCY COORDINATION**

Federal Highway Administration (FHWA)

*Discuss if the project has been identified as a “Project of Division Interest” or “Project of Corporate Interest.”*

*Discuss project actions, as appropriate, assumed by Caltrans and any coordination with the FHWA for review and approval of project actions.*

*If the project proposes new or modified Interstate access, include a discussion of any issues and the proposed or actual dates for the Determination of Engineering and Operational Acceptability and Final Approval.*

The project requires the following coordination:

*The following is a list of common entities that Caltrans coordinates with on projects, delete and add to the list as appropriate.*

US Army Corps of Engineers

Department of the Army Permit for:

Clean Water Act Section 404

Rivers and Harbors Act of 1899 Section 9

Rivers and Harbors Act of 1899 Section 10

General Permits (Regional Permit, Nationwide Permit or Programmatic Permit)

Standard Permits (Individual Permit or Letter of Permission)

Section 9 Permit

United States Coast Guard

Rivers and Harbors Act of 1899 Section 9

Bridge Permit

California Department of Fish and Wildlife

California Fish and Game Code Section1602

Lake or Streambed Alteration Agreement

California Coastal Commission and/or Local Coastal Program

California Public Resources Code Division 20 (California Coastal Act)

Coastal Development Permit

California State Lands Commission

California Public Resources Code Division 6

Permit

Central Valley Flood Protection Board

California Water Code Division 5, Part 4

Encroachment Permit

Regional Water Quality Control Board

Clean Water Act Section 401

Water Quality Certification

San Francisco Bay Conservation and Development Commission

California Government Code Title 7.2

California Public Resources Code Division 19

Major Permit, Administrative Permit, or Regionwide Permit

Local Agency

Cooperative Agreements with

Local Agency

Agreements with

Railroads

Railroad Agreement for at-grade or separated-grade crossings

Other

Specify

**14. PROJECT REVIEWS**

Scoping team field review Date

Scoping team field review attendance roster attached.

District Program Advisor *Enter Name* Date

Headquarters SHOPP Program Advisor *Enter Name* Date

District Maintenance *Enter Name* Date

Headquarters Project Delivery Coordinator *Enter Name* Date

Project Manager *Enter Name* Date

FHWA *Enter Name* Date

District Safety Review Date

Constructability Review Date

Other Date

**15. PROJECT PERSONNEL**

*List the project personnel, such as:*

Name, Title Phone #

**16. ATTACHMENTS (Number of Pages)**

*List attachments with the number of pages, such as:*

1. Location map (1)
2. Storm Water Data Report-signed cover sheet (1)