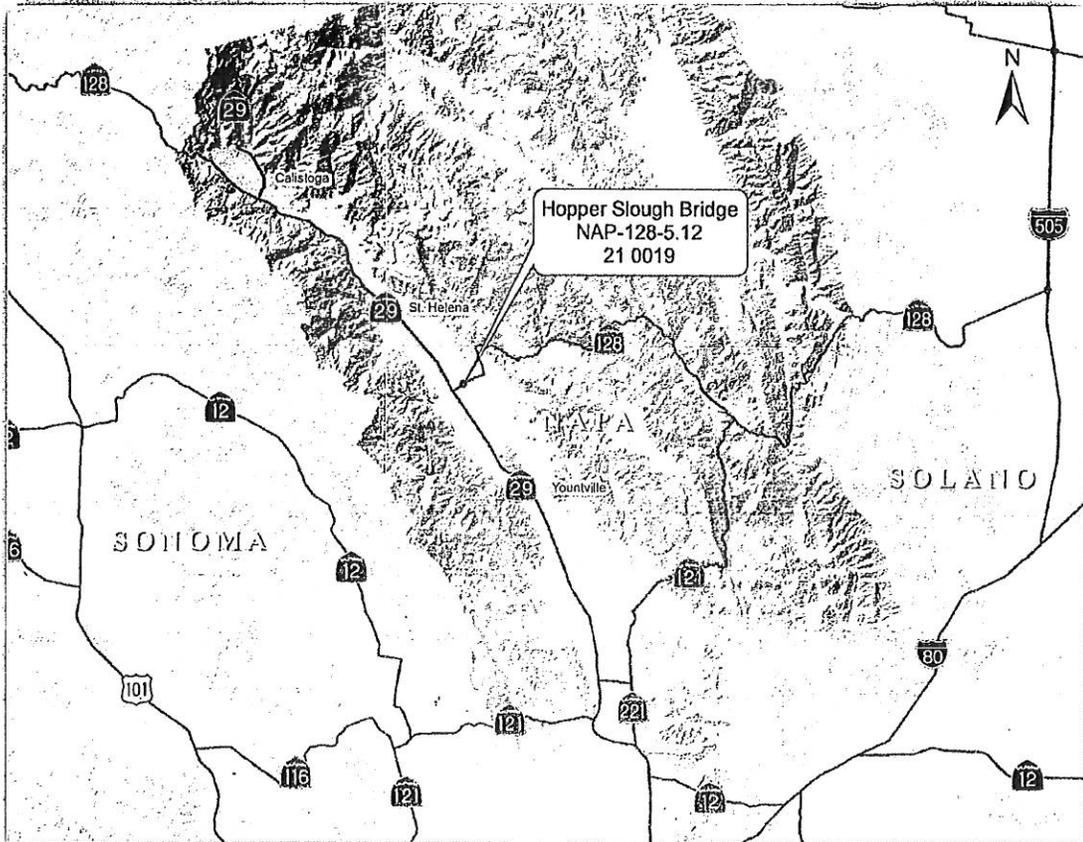


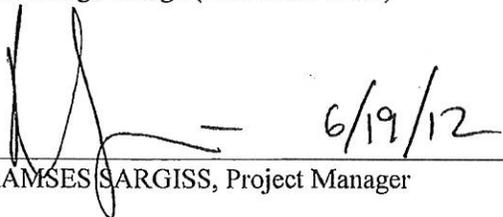
04-Nap-128 - PM 5.12  
04-609 EA3E5200  
Project ID:0412000385  
20.80.030.080 Program  
July 2012

## BRIDGE MAINTENANCE PROJECT INITIATION REPORT



In Napa County on Route 128 at Hopper Slough Bridge (Br. No. 21-0019)

APPROVAL RECOMMENDED:

  
RAMSES SARGISS, Project Manager

APPROVED:

  
NADER ESHGHIPOUR  
Deputy District Director - Maintenance

6-19-12  
Date

Dist 04-Nap-128-PM 5.12  
04-0976-EA:3E5200  
Project ID:0412000385

This Project Initiation 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

6/19/2012  
DATE





**B. District Work**

Work Description	Does the Project Include? (Yes/No)	Cost
Railroad Agreement (list work required)	No	N/A
Traffic Control (Construction Site Management, Construction Area Signs, Portable Changeable Message Signs(do not include MAZEPP/COZEPP costs)	Yes	\$20,000
Traffic Stripes & Pavement Markings	Yes	\$2,000
Temporaray Traffic Signal	Yes	\$60,000
Remove & Replace MBGR	Yes	\$4,000
Clear ing and Grubbing	yes	\$3,000
Pavement Markers	Yes	\$500
Prepare Water Pollution Control Plan	Yes	\$500
Lead Compliance	Yes	\$5,000
Mobilization	Yes	\$9,500

<b>SUM of District Costs</b>	<b>\$104,500</b>
<b>10% Contingency</b>	<b>\$10,450</b>
<b>SUBTOTAL</b>	<b>\$114,950</b>

**C. Non-Project Contract Items**

Work Description	Does the Project Include? (Yes/No)	Cost
Public Information		\$2,000
COZEPP		\$40,000
Resident Engineer's Office		\$24,000
Supplemental Work Items (Maintain Traffic, Partnering, Additional Structure Work)		\$45,000

<b>SUM of Non-Project Contract Costs</b>	<b>\$111,000</b>
<b>10% Contingency</b>	<b>\$11,100</b>
<b>SUBTOTAL</b>	<b>\$122,100</b>

**TOTAL PROJECT COST** **\$539,050**

**4. Other Agencies Involved:**

- Local Agency  
[N/A] Agreements with \_\_\_\_\_
- City/State Coastal Commission  
[N/A] Coastal Zone Conservation Permit
- FHWA  
[N/A] Section 4(f) Clearance (Public Lands)  
[N/A] Historical Site  
[N/A] Endangered Species
- Regional Water Quality Board Permit  
[N/A] 401 Permit
- California Dept of Fish & Game  
[N/A] Section 1601 of F&G Code  
[N/A] Endangered Species
- US Coast Guard  
[N/A] Navigable Waters Permit
- U.S. Fish and Wildlife Service (FWS)  
[N/A] Endangered Species
- Army Corp of Engineers  
[N/A] Project **DOES NOT FALL** within nationwide 404 permits
- Railroads  
[N/A] Railroad Agreements for At-grade or Separated-grade crossings
- Other coordination  
[Yes] Utility coordination with PG&E. There is a Gas Transmission Line within the project limits.

## 5. Project Schedule:

Project Milestone		Scheduled Date
M200	PA&ED	7/16/2012
M410	R/W Certification	7/11/2013
M378	Structure PS&E	4/25/2013
M380	PS&E	7/18/2013
M460	RTL	9/12/2013
M480	Advertise Date	11/7/2013
M600	CCA	3/10/2016

## 6. Proposed Funding & Resources:

Proposed Programmed Funding: \$500,000

*Note: For 20.80.030.xxx funded projects, DO NOT include costs for C. Non-Contract Project Items. They are funded from other Maintenance funds.*

Proposed Program Code: 20.80.030.080

Proposed Funding Year: FY 13/14

Performance Measure: One Bridge.

Total proposed project support (PYs) for development of the project from design phase (0- phase) to completion of construction (3-phase): 2.4.

PY's Breakdown:	PY's
- Environmental Study	0.2
- Design (District & Structure, Electrical for Temporary Traffic Signal)	1.0
- Construction	1.0
- R/W Utility Verification	0.2

Resources and schedule should be entered in XPM. (Format per District)

## 7. Attachments

- A: Categorical Exemption
- B: Environmental Certification
- C: Storm Water Data Report
- D: R/W Datasheet.
- E: Project Report Expenditure Authorization

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# **LIST OF ATTACHMENTS**

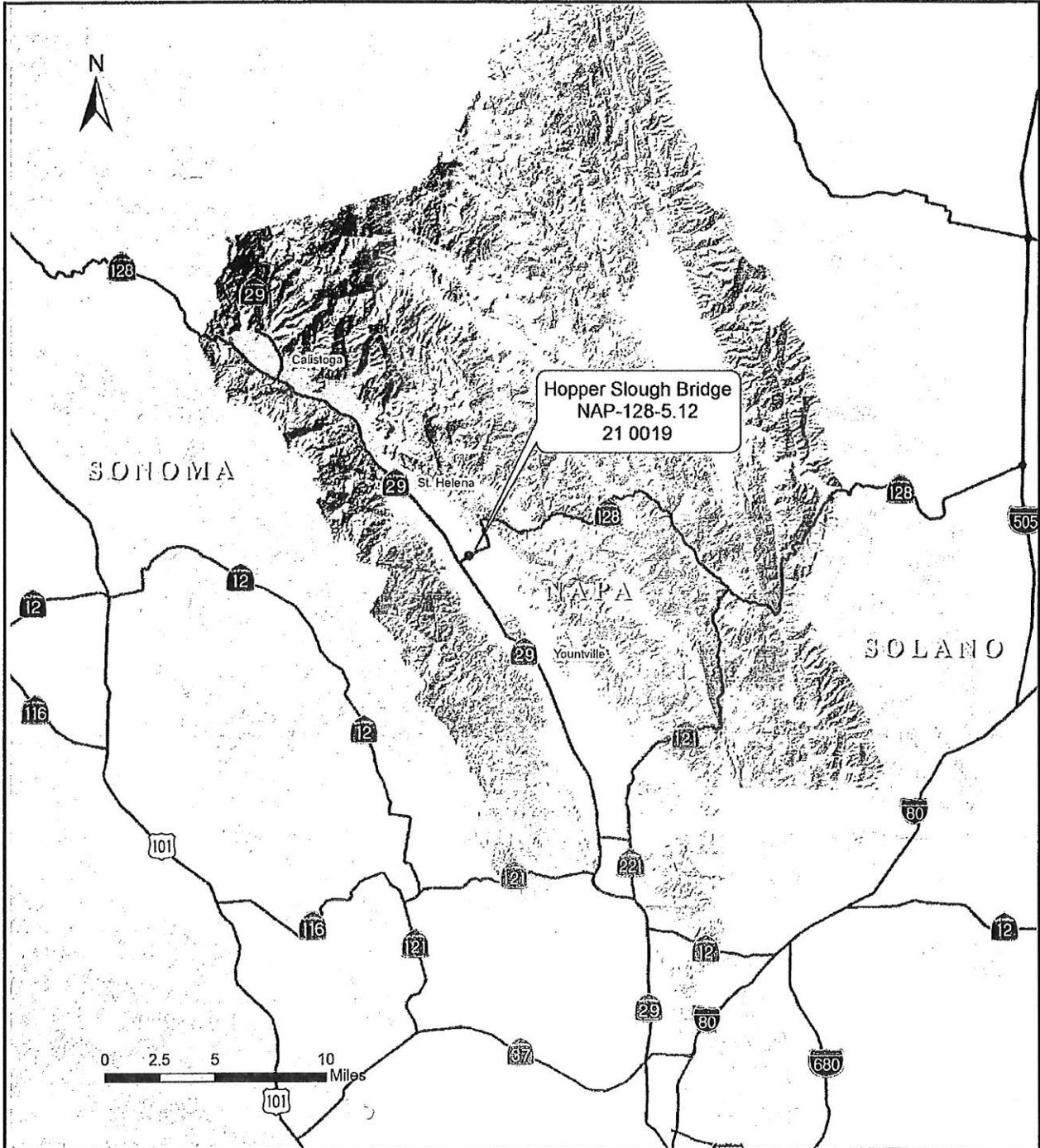
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# Location Map



## LOCATION MAP

### BRIDGE MAINTENANCE PROJECT INITIATION REPORT

04-Nap-128 - PM 5.12  
 04-609 EA3E5200  
 Project ID:0412000385  
 20.80.030.080 Program

**CATEGORICAL EXEMPTION/  
CATEGORICAL EXCLUSION**



# ENVIRONMENTAL CERTIFICATE

# ENVIRONMENTAL CERTIFICATION

DIST-CO-RTE-PM 04-NAPA-128-5.2/5.2

3E5200/01

A. Environmental Documentation:

- NEPA Document type: \_\_\_\_\_ Date Approved: \_\_\_\_\_
- CEQA Document type: \_\_\_\_\_ Date Approved: \_\_\_\_\_
- NEPA CE \_\_\_\_\_ Date Determined: \_\_\_\_\_
- CEQA CE ■ \_\_\_\_\_ Date Determined: \_\_\_\_\_
- Consultation pursuant to NEPA regarding BD validity: \_\_\_\_\_ Date: \_\_\_\_\_
- Re-evaluation/Supplemental (NEPA): Yes  No  \_\_\_\_\_ Date Approved: \_\_\_\_\_
- Addendum, Supplemental or Subsequent (CEQA) Yes  No  \_\_\_\_\_ Date Approved: \_\_\_\_\_

B. All environmental commitments that belong in this PS&E are included.

C. All actions in this PS&E are covered by the approved environmental documentation, which remains valid.

D. All permits are complete. Project permits are listed below:

Agency	Type	Issue Date	Expiration Date
--------	------	------------	-----------------

E. Environmental Construction Window(s) Apply:  Yes  No

F. Pursuant to NEPA, noise abatement is included in project:  Yes  No

G. If project has environmental commitments  Yes  No, an Environmental Commitment Record has been prepared:  Yes  No

*I certify that, for environmental purposes, this project is ready to list. Caltrans has fully carried out all environmental responsibilities assumed under 23 U.S.C. 327 for this project in accordance with the Pilot Program Memorandum of Understanding and applicable Federal laws, regulations, and policies.*

Chuck Morton

Signature - Environmental Branch Chief

Date

Changes to this PS&E submittal shall be discussed with the signature authority and may require an updated environmental certification.

This project may be advertised for contract award. If the project has not been advertised within twelve months of the date of Environmental Certification, this Environmental Certification expires and a new certification or update is required.

Certification expiration date is

Revised September 2007

# **STROM WATER DATA REPORT**

**APPENDIX E**

**Short Form - Storm Water Data Report**



Dist-County-Route: 4-Nap-128  
 Post Mile Limits: 5.1  
 Project Type: Bridge Preservation  
 Project ID (or EA): 3E5201  
 Program Identification: 0412000385  
 Phase:      PID  
               PA/ED  
               PS&E

Regional Water Quality Control Board(s): San Francisco Bay RWOCB (R-2)

- 1. Is the project required to consider incorporating Treatment BMPs?     Yes      No
- 2. Does the project disturb 5 or more acres of soil?     Yes      No
- 3. Does the project disturb more than 1 acre of soil and not qualify for the Rainfall Erosivity Waiver?     Yes      No
- 4. Does the project potentially create permanent water quality impacts?     Yes      No
- 5. Does the project require a notification of ADL reuse     Yes      No

If the answer to any of the preceding questions is "Yes", prepare a Long Form – Storm Water Data Report.

Estimate Construction Start Date: 5/1/2014     Construction Completion Date: 9/1/2014  
 Separate Dewatering Permit (if yes, permit number)     Yes      Permit # \_\_\_\_\_     No   
 Erosivity Waiver     Yes      Date: \_\_\_\_\_     No

*This Short Form – Storm Water Data Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.*

*Abdel Beshair*     5/24/2012  
**Abdel Beshair**, Registered Project Engineer/Landscape Architect     Date  
 I have reviewed the stormwater quality design issues and find this report to be complete, current and accurate:

[Stamp Required for PS&E only]

*Norman Gonsalves*     05/24/2012  
**Norman Gonsalves**, District/Regional SW Coordinator or Désigné(e)     Date

**1. Project Description**

- This is a bridge preservation project located on Route 128 in Napa County @ post mile 5.1.
- The scope of the work is to replace The Hopper Slough Bridge abutment (Bridge No 210019).
- There are vertical and diagonal cracks, as well as the large cavity with exposed reinforcing bars in the face of the abutment on west bank.
- The project site is within the Napa River Hydrologic Area and Undefined Hydrologic Sub-Area (Sub-Area Number 206.50) with Watershed Area of 266,735 acres (Water Quality Planning Tool, California State University at Sacramento).
- The direct receiving waterbody from project area are Bale and Hopper Slough, which drain to upper Napa River.
- The TDMLs and 303 (d) listed water bodies for the project are:
  - Napa River with pollutants of concerns: Nutrients, Pathogens, and Sedimentation/Siltation.
  - Carquinez Strait with pollutants of concerns: Chlordane, DDT, Dieldrin, Dioxin Compounds (including 2,3,7,8-TCDD), Exotic Species, Furan Compounds, Mercury, PCBs (Polychlorinated biphenyls), PCBs (Polychlorinated biphenyls) (dioxin-like), and Selenium.
  - San Pablo Bay with pollutants of concerns: Clordane, DDT, Dieldrin, Dioxin Compounds (including 2,3,7,8-TCDD), Exotic Species, Furan Compounds, Mercury, PCBs (Polychlorinated biphenyls), PCBs (Polychlorinated biphenyls) (dioxin-like), and Selenium.
- There are no additional impervious area and reworked area considering the road pavement.
- This project is located in the Napa County MS4 permit area.
- The project weather condition is characterized as a Mediterranean climate with warm dry summers and mild wet winters. The rainy season has been defined by Caltrans as October 15 to April 15 with average annual rainfall of 35 inches (Watershed Information Center and Conservancy -WICC of Napa County).
- San Francisco Bay Regional Water Quality Control Board (RWQCB) has jurisdiction within the project area.
- 401 Water Quality Certification is anticipated for this project.
- The disturbed soil area (DSA) for this project is less than 1 ac, therefore Risk Assessment Analysis is not needed for this project.
- There is no High Risk Area in vicinity of the project site.
- There is no existing permanent storm water treatment BMPs near or within the project limits.

**2. Construction Site BMPs**

- The project has a disturbed soil area (DSA) less than 1 acre. To comply with the conditions of the Caltrans NPDES Permit, and address the temporary water quality impacts resulting from the construction activities in this project, Section 13.2 of Standard Specification 2010 shall be referenced. This Section 13.2 will address the preparation of Water Pollution Control Program (WPCP) document and the implementation of WPCP during construction.
  - Best Management Practices (BMPs) need to be implemented to address the temporary water quality impacts resulting from the construction activities at the project site. BMPs will include the measures of soil stabilization, sediment control, wind erosion control, tracking control, non-storm water management, and waste management/materials pollution control. Appropriate BMPs and their quantities need to be developed during the PS & E phase.
  - If significant amount of groundwater will be encountered in the deep excavations, dewatering may be required. Early discussion shall be initiated with the Water Pollution Control Branch.
  - As part of the Hazardous Waste Site Investigation, ground water testing may be required to determine if it is contaminated to develop contract provisions for its handling and disposal during construction.
  - If there is work in water bodies, creek diversion may be required. Early discussion with Water Pollution Control Branch is required for Temporary Creek Diversion System.
3. Maintenance BMPs
- Drainage Inlet Stenciling is not required for this project.

#### 4. Required Attachments<sup>1</sup>

<sup>1</sup> Additional attachments may be required as applicable or directed by the District/Regional Design Storm Water Coordinator (e.g. BMP line item estimate, DPP, CS checklists, etc).



## APPENDIX E

## Short Form - Storm Water Data Report

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- Vicinity Map
- Evaluation Documentation Form

### 5. Supplemental Attachments

- Photos



## Evaluation Documentation Form

DATE: 05/23/2012

Project ID ( or EA): 3E5201

NO.	CRITERIA	YES ✓	NO ✓	SUPPLEMENTAL INFORMATION FOR EVALUATION
1.	Begin Project Evaluation regarding requirement for consideration of Treatment BMPs	✓		See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs. Go to 2
2.	Is this an emergency project?		✓	If Yes, go to 10. If No, continue to 3.
3.	Have TMDLs or other Pollution Control Requirements been established for surface waters within the project limits? Information provided in the water quality assessment or equivalent document.		✓	If Yes, contact the District/Regional NPDES Coordinator to discuss the Department's obligations under the TMDL (if Applicable) or Pollution Control Requirements, go to 9 or 4. <i>MY</i> (Dist./Reg. SW Coordinator Initials) If No, continue to 4.
4.	Is the project located within an area of a local MS4 Permittee?	✓		If Yes, <i>Napa County</i> , go to 5. If No, document in SWDR go to 5.
5.	Is the project directly or indirectly discharging to surface waters?	✓		If Yes, continue to 6. If No, go to 10.
6.	Is it a new facility or major reconstruction?		✓	If Yes, continue to 8. If No, go to 7.
7.	Will there be a change in line/grade or hydraulic capacity?		✓	If Yes, continue to 8. If No, go to 10.
8.	Does the project result in a <u>net increase of one acre or more of new impervious surface</u> ?		✓	If Yes, continue to 9. If No, go to 10. <u>0.0</u> (Net Increase New Impervious Surface)
9.	Project is required to consider approved Treatment BMPs.			See Sections 2.4 and either Section 5.5 or 6.5 for BMP Evaluation and Selection Process. Complete Checklist T-1 in this Appendix E.
10.	Project is not required to consider Treatment BMPs. <i>MY</i> (Dist./Reg. Design SW Coord. Initials) ____ (Project Engineer Initials) ____ (Date)	✓		Document for Project Files by completing this form, and attaching it to the SWDR.

1 See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs





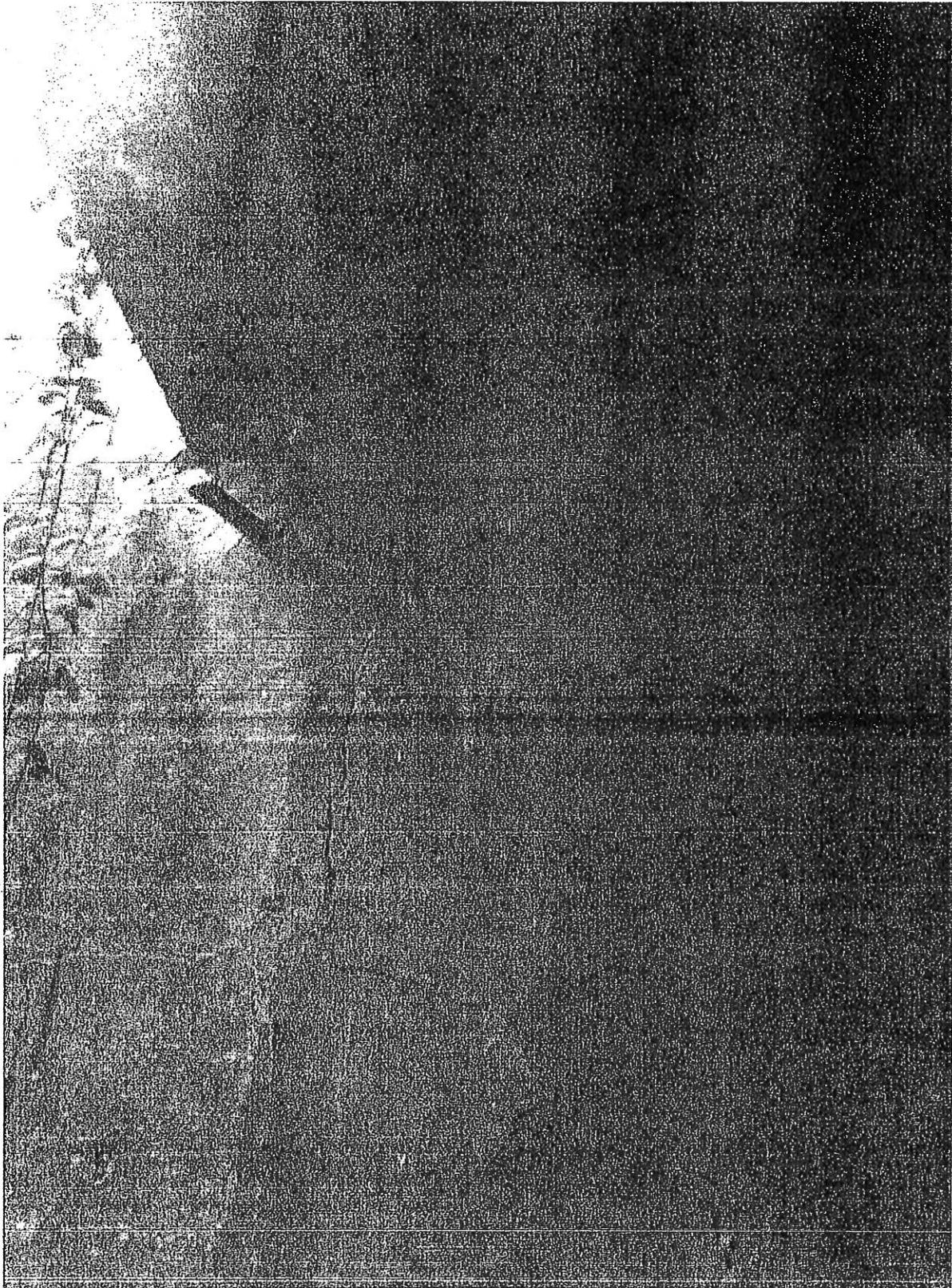


Photo No. 2  
Abutment 1 Crack from Top of Spall to Bottom of Superstructure

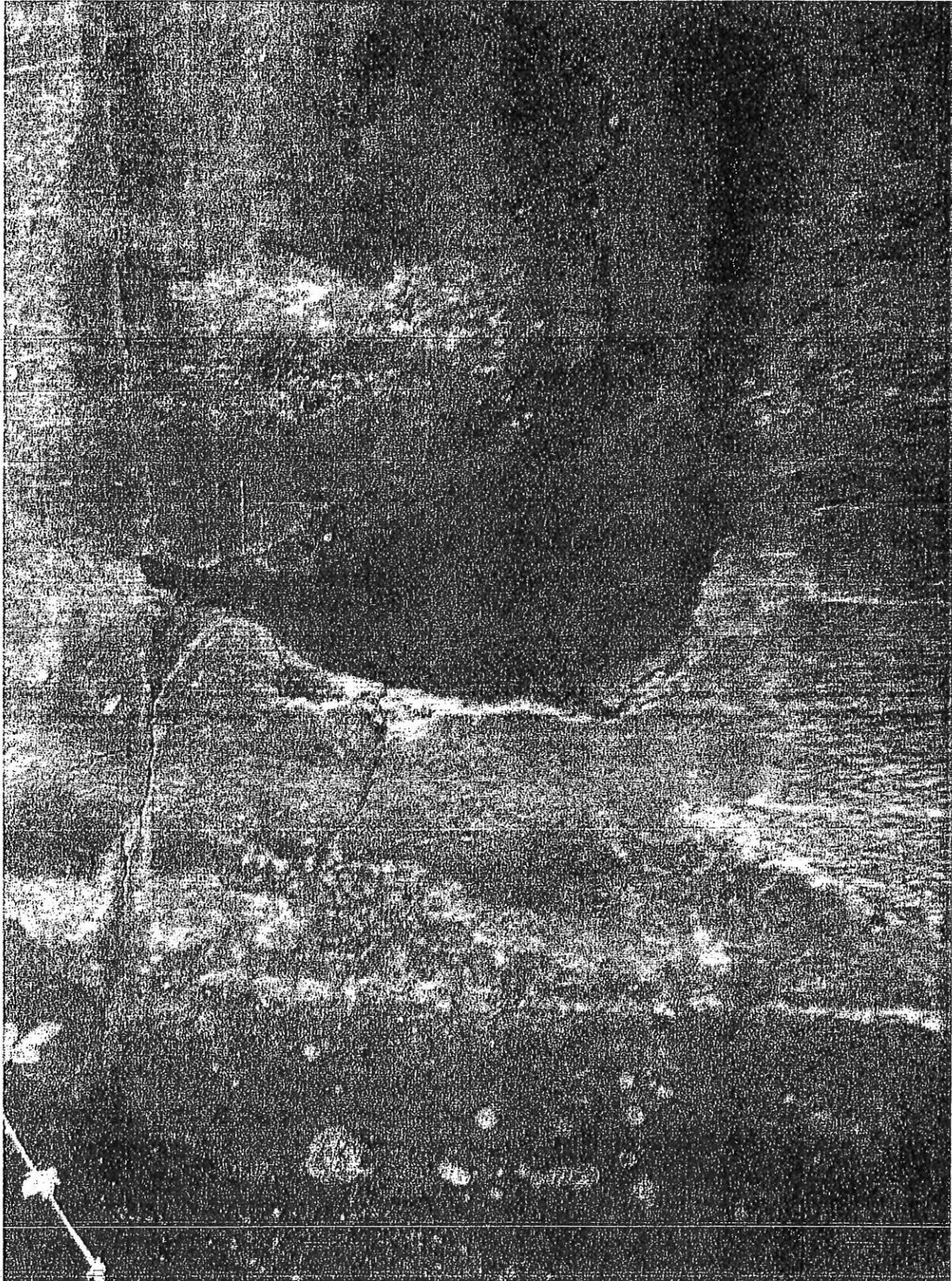


Photo No. 1  
Spall in Abutment 1 With Exposed Reinforcement

# RIGHT OF WAY DATA SHEET

To: Office of Maintenance & Toll Bridge Engineering

Date 5/24/12  
Dist 4 Co NAP Rte 128  
PM 5.12

Attention: Ronnie Chua  
District Branch Chief

EA 3E5200 (04-1200-0385)

From: ENID LAU  
Right of Way Resource Manager

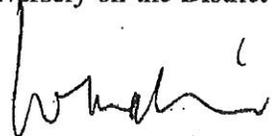
Bridge Preservation  
D.S. #6075

Subject: Current Estimated Right of Way Costs

We have completed an estimate of the right of way costs for the above referenced project based on maps we received from you on April 26, 2012 and the following assumptions and limiting conditions.

- 1. The mapping did not provide sufficient detail to determine the limits of the right of way required.
- 2. The transportation facilities have not been sufficiently designed so our estimator could determine the damages to any of the remainder parcels affected by the project.
- 3. Additional right of way requirements are anticipated, but are not defined due to the preliminary nature of the early design requirements.
- 4. This estimate does not include \$ \_\_\_\_\_ right of way costs previously incurred on the project, which may affect the total project right of way costs for programming purposes.
- 5. We have determined there are no right of way functional involvements in the proposed project at this time, as designed.

Right of Way Lead Time will require a minimum of 14 months after we begin receiving final right of way requirements (PYPSCAN node No. 224), necessary environmental clearance has been obtained, and freeway agreements have been approved. From the date of receipt of final right of way requirements (PYPSCAN node No. 265), we will require a minimum of 12 months prior to the date of certification of the project. Shorter lead times will require either more right of way resources or an increased number of condemnation suits to be filed. Either of these actions may reflect adversely on the District's other programs or our public image generally.

  
\_\_\_\_\_  
Right of Way Resource Manager

Attachments:

- Right of Way Data Sheet – Page One (always required)
- Right of Way Data Sheet – All Pages (required when interest in real property is being acquired)
- Utility Information Sheet
- Railroad Information Sheet

**RIGHT OF WAY DATA SHEET**

TO: Maintenance and Toll Bridge  
 Engineering

Date 5/9/2012 D.S. # 6075  
 Dist. 04 Co. Nap Rte 128 PM 5.12  
 EA 3E5200(0412000385)

ATTN: Abdel Beshair

Project Description: Bridge Preservation

SUBJECT: Right of Way Data - Alternate No. \_\_\_\_\_

1. The Right of Way Cost Estimate:

	Current Value (Future Use)	Escalation Rate	Escalated Value
A. Acquisition, including Excess Lands, Damages, and Goodwill	<u>\$0.00</u>	%	<u>\$0.00</u>
Environmental Mitigation			<u>\$0.00</u>
Grantor's Appraisal Cost			<u>\$0.00</u>
B. Utility Relocation (State Share)	<u>\$0.00</u>	%	<u>\$0.00</u>
C. Railroad (from page 6)	<u>\$0.00</u>		<u>\$0.00</u>
D. Relocation Assistance	<u>\$0.00</u>	%	<u>\$0.00</u>
E. Clearance Demolition	<u>\$0.00</u>	%	<u>\$0.00</u>
F. Title and Escrow Fees		%	<u>\$0.00</u>
G. <u>TOTAL ESCALATED VALUE</u>			<u>\$0.00</u>
H. Construction Contract Work	<u>\$0.00</u>		
I. Railroad Phase 4 Costs	<u>\$0.00</u>		

2. Anticipated Date of Right of Way Certification \_\_\_\_\_

3. Parcel Data:

Type	Dual/Appr	Utilities	RR Involvements	
X _____		U4-1 <u>1</u>	None	<u>X</u>
A _____		-2 _____	C&M Agrmt	_____
B _____		-3 _____	Svc Cont.	_____
C _____		-4 _____	Design	_____
D _____		U5-7 <u>2</u>	Const.	_____
E <u>XXXX</u>		-8 _____	Lic/RE/Clauses	_____
F <u>XXXX</u>		-9 <u>1</u>	Misc R/W Work	
			RAP Displ	<u>0</u>
			Clear Demo	<u>0</u>
			Const. Permits	<u>0</u>
			Condemnation	<u>0</u>
Total <u>0</u>				

Areas: Right of Way

No. Excess Parcels

Excess

Enter PMCS Screens

5/15/2012

By not in PMCS - J.M.

4. Are there any major items of construction contract work?  
Yes  No  (If yes, explain)
5. Provide a general description of the right of way and excess lands required(zoning, use, major improvements critical or sensitive parcels, etc.).  
No right of way required.
6. Is there an effect on assessed valuation? (If yes explain)  
Yes  Not Significant  No
7. Are utility facilities or rights of way affected? Yes  No   
If yes, attach Utility Information Sheet Exhibit 01-01-05)
8. Are railroad facilities or rights of way affected? Yes  No   
If yes, attach Railroad Information Sheet Exhibit 01-01-06)
9. Were any previously unidentified sites with hazardous waste and/or material found?  
Yes  None evident   
(If yes, attach memorandum per Procedural Handbook Volume 1, Section 101.011)
10. Are RAP displacements required? Yes  No   
(If yes, provide the following information)
- No. of single family \_\_\_\_\_ No. of business/non profit \_\_\_\_\_  
No. of multi-family \_\_\_\_\_ No. of farms \_\_\_\_\_
- Based on Draft / Final Relocation Impact Statement / Study dated \_\_\_\_\_, it is anticipated that sufficient replacement housing will / will not be available without Last Resort Housing.
11. Are material borrow and / or disposal sites required? Yes  No   
(If yes, explain)
12. Are there potential relinquishments / abandonments? Yes  No   
(If yes, explain)
13. Are there any existing and/or potential Airspace sites? Yes  No   
(If yes, explain)

14. Are there Environmental Mitigation costs? Yes  No   
(If yes, explain)

15. Indicate the anticipated Right of Way schedule and lead time requirements. (Discuss if District proposes less than PMCS lead time and / or if significant pressures for project advancement are anticipated.)

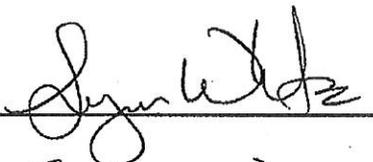
PYPSCAN lead time (from Regular R/W to project certification) 14 months.

16. Is it anticipated that all Right of Way work be performed by CALTRANS staff?  
Yes  No  (If no, discuss)

**Assumptions and Limiting Conditions**

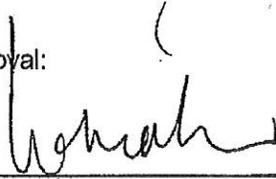
- This data sheet was completed without a hazardous waste/materials report.
- Information on this data sheet was based on maps provided by Abdel Beshair on 4/23/2012

Evaluation Prepared By: Lynn White

Right of Way: Name  Date 5-9-12

Railroad: Name  Date 5/9/12

Utilities: Name  Date 5/10/12

Recommended for Approval:  
  
Right of Way Capital Cost Coordinator

I have personally reviewed this Right of Way Data Sheet and all supporting information. It is my opinion that the probable Highest and Best Use, estimated values, escalation rates, and assumptions are reasonable and proper subject to the limiting conditions set fourth, and find this Data Sheet complete and current.

  
Chief, R/W Appraisal Services

5-10-12  
Date

cc: Program Manager  
Project Manger



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# **PROJECT EA REPORT**

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DEPARTMENT OF TRANSPORTATION  
Structure Maintenance & Investigations

Bridge Number : 21 0019  
Facility Carried: STATE ROUTE 128  
Location : 04-NAP-128-5.12  
City :  
Inspection Date : 08/09/2010

### Bridge Inspection Report

#### Inspection Type

Routine	FC	Underwater	Special	Other
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**STRUCTURE NAME:** HOPPER SLOUGH

#### CONSTRUCTION INFORMATION

Year Built : 1921	Skew (degrees): 3
Year Widened: N/A	No. of Joints : 0
Length (m) : 12.5	No. of Hinges : 0

Structure Description: RC girder (5) on RC wing abutments. All founded on spread footings.

Span Configuration : 1 @ 11.9 m

#### LOAD CAPACITY AND RATINGS

Design Live Load: OTHER OR UNKNOWN

Inventory Rating: 27.2 metric tonnes

Operating Rating: 47.1 metric tonnes

Permit Rating : P P P P P

Calculation Method: LOAD FACTOR

Calculation Method: LOAD FACTOR

Posting Load : Type 3: Legal

Type 3S2: Legal

Type 3-3: Legal

#### DESCRIPTION ON STRUCTURE

Deck X-Section: 0.5 m br, 5.9 m, 0.5 m br

Total Width: 6.9 m

Net Width: 5.9 m

No. of Lanes: 2

Rail Description: RC Rail.

Rail Code : 0000

Min. Vertical Clearance: Unimpaired

#### DESCRIPTION UNDER STRUCTURE

Channel Description: Gravel.

#### CONDITION TEXT

##### CONDITION OF STRUCTURE

No water was in the channel at the time of this investigation and all of the visible elements were inspected.

The Bridge ID on the right rail is faded.

The AC approach is settling over the right side of Abutment 1, the approach has been previously patched and has recently been marked for another repair. See attached photo # 3.

There is a 100 mm diameter x 25 mm deep spall in Girder 1 near Abutment 1. Girder 6 has a small spall at midspan that appears to be due to lack of cover.

There is a vertical crack 2 mm wide in the face of Abutment 1 originating under Girder 4 and measuring 1.25 m long. See attached photo # 2.

There is a 1 m long x 0.75 m wide x 0.5 m deep spall with one exposed longitudinal reinforcing bar and one exposed transverse reinforcing bar at the left side of the face of Abutment 1. There is a vertical crack 50 mm wide originating from the spall that travels vertically to the exterior girder. See photos 1 and 2.

There is a vertical crack 6 mm wide in the face of Abutment 2 originating under Girder 4 and measuring 2.5 m long.



**STRUCTURE INVENTORY AND APPRAISAL REPORT**

\*\*\*\*\* IDENTIFICATION \*\*\*\*\*

(1) STATE NAME- CALIFORNIA 069  
 (8) STRUCTURE NUMBER 21 0019  
 (5) INVENTORY ROUTE(ON/UNDER) - ON 131001280  
 (2) HIGHWAY AGENCY DISTRICT 04  
 (3) COUNTY CODE 055 (4) PLACE CODE 00000  
 (6) FEATURE INTERSECTED- HOPPER SLOUGH  
 (7) FACILITY CARRIED- STATE ROUTE 128  
 (9) LOCATION- 04-NAP-128-5.12  
 (11) MILEPOINT/KILOMETERPOINT 5.12  
 (12) BASE HIGHWAY NETWORK- NOT ON NET 0  
 (13) LRS INVENTORY ROUTE & SUBROUTE  
 (16) LATITUDE 38 DEG 27 MIN 49 SEC  
 (17) LONGITUDE 122 DEG 24 MIN 54 SEC  
 (98) BORDER BRIDGE STATE CODE % SHARE %  
 (99) BORDER BRIDGE STRUCTURE NUMBER

\*\*\*\*\* STRUCTURE TYPE AND MATERIAL \*\*\*\*\*

(43) STRUCTURE TYPE MAIN:MATERIAL- CONCRETE  
 TYPE- TEE BEAM CODE 104  
 (44) STRUCTURE TYPE APPR:MATERIAL- OTHER/NA  
 TYPE- OTHER/NA CODE 000  
 (45) NUMBER OF SPANS IN MAIN UNIT 1  
 (46) NUMBER OF APPROACH SPANS 0  
 (107) DECK STRUCTURE TYPE- CIP CONCRETE CODE 1  
 (108) WEARING SURFACE / PROTECTIVE SYSTEM:  
 A) TYPE OF WEARING SURFACE- BITUMINOUS CODE 6  
 B) TYPE OF MEMBRANE- NONE CODE 0  
 C) TYPE OF DECK PROTECTION- NONE CODE 0

\*\*\*\*\* AGE AND SERVICE \*\*\*\*\*

(27) YEAR BUILT 1921  
 (106) YEAR RECONSTRUCTED 0000  
 (42) TYPE OF SERVICE: ON- HIGHWAY 1  
 UNDER- WATERWAY 5  
 (28) LANES:ON STRUCTURE 02 UNDER STRUCTURE 00  
 (29) AVERAGE DAILY TRAFFIC 2450  
 (30) YEAR OF ADT 1998 (109) TRUCK ADT 4 %  
 (19) BYPASS, DETOUR LENGTH 11 KM

\*\*\*\*\* GEOMETRIC DATA \*\*\*\*\*

(48) LENGTH OF MAXIMUM SPAN 11.9 M  
 (49) STRUCTURE LENGTH 12.5 M  
 (50) CURB OR SIDEWALK: LEFT 0.0 M RIGHT 0.0 M  
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 5.9 M  
 (52) DECK WIDTH OUT TO OUT 5.9 M  
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 5.8 M  
 (33) BRIDGE MEDIAN- NO MEDIAN 0  
 (34) SKEW 3 DEG (35) STRUCTURE FLARED NO  
 (10) INVENTORY ROUTE MIN VERT CLEAR 99.99 M  
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 5.9 M  
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 99.99 M  
 (54) MIN VERT UNDERCLEAR REF- NOT H/RR 0.00 M  
 (55) MIN LAT UNDERCLEAR RT REF- NOT H/RR 0.0 M  
 (56) MIN LAT UNDERCLEAR LT 0.0 M

\*\*\*\*\* NAVIGATION DATA \*\*\*\*\*

(38) NAVIGATION CONTROL- NO CONTROL CODE 0  
 (111) PIER PROTECTION- CODE  
 (39) NAVIGATION VERTICAL CLEARANCE 0.0 M  
 (116) VERT-LIFT BRIDGE NAV MIN VERT CLEAR M  
 (40) NAVIGATION HORIZONTAL CLEARANCE 0.0 M

\*\*\*\*\* SUFFICIENCY RATING \*\*\*\*\*

SUFFICIENCY RATING = 57.9  
 STATUS FUNCTIONALLY OBSOLETE  
 HEALTH INDEX 95.0  
 PAINT CONDITION INDEX = N/A

\*\*\*\*\* CLASSIFICATION \*\*\*\*\*

(112) NBIS BRIDGE LENGTH- YES Y  
 (104) HIGHWAY SYSTEM- NOT ON NHS. 0  
 (26) FUNCTIONAL CLASS- MAJOR COLLECTOR RURAL 07  
 (100) DEFENSE HIGHWAY- NOT STRAHNET 0  
 (101) PARALLEL STRUCTURE- NONE EXISTS N  
 (102) DIRECTION OF TRAFFIC- 2 WAY 2  
 (103) TEMPORARY STRUCTURE-  
 (105) FED.LANDS HWY- NOT APPLICABLE 0  
 (110) DESIGNATED NATIONAL NETWORK - NOT ON NET 0  
 (20) TOLL- ON FREE ROAD 3  
 (21) MAINTAIN- STATE HIGHWAY AGENCY 01  
 (22) OWNER- STATE HIGHWAY AGENCY 01  
 (37) HISTORICAL SIGNIFICANCE- NOT ELIGIBLE 5

\*\*\*\*\* CONDITION \*\*\*\*\*

(58) DECK 7  
 (59) SUPERSTRUCTURE 7  
 (60) SUBSTRUCTURE 5  
 (61) CHANNEL & CHANNEL PROTECTION 6  
 (62) CULVERTS N

\*\*\*\*\* LOAD RATING AND POSTING \*\*\*\*\*

(31) DESIGN LOAD- OTHER OR UNKNOWN 0  
 (63) OPERATING RATING METHOD- LOAD FACTOR 1  
 (64) OPERATING RATING- 47.1  
 (65) INVENTORY RATING METHOD- LOAD FACTOR 1  
 (66) INVENTORY RATING- 27.2  
 (70) BRIDGE POSTING- EQUAL TO OR ABOVE LEGAL LOADS 5  
 (41) STRUCTURE OPEN, POSTED OR CLOSED- A  
 DESCRIPTION- OPEN, NO RESTRICTION

\*\*\*\*\* APPRAISAL \*\*\*\*\*

(67) STRUCTURAL EVALUATION 5  
 (68) DECK GEOMETRY 2  
 (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL N  
 (71) WATER ADEQUACY 4  
 (72) APPROACH ROADWAY ALIGNMENT 5  
 (36) TRAFFIC SAFETY FEATURES 0000  
 (113) SCOUR CRITICAL BRIDGES 8

\*\*\*\*\* PROPOSED IMPROVEMENTS \*\*\*\*\*

(75) TYPE OF WORK- SUP/SUB RBHAB CODE 35  
 (76) LENGTH OF STRUCTURE IMPROVEMENT 12.5 M  
 (94) BRIDGE IMPROVEMENT COST \$84,000  
 (95) ROADWAY IMPROVEMENT COST \$16,800  
 (96) TOTAL PROJECT COST \$141,120  
 (97) YEAR OF IMPROVEMENT COST ESTIMATE 2010  
 (114) FUTURE ADT 5152  
 (115) YEAR OF FUTURE ADT 2029

\*\*\*\*\* INSPECTIONS \*\*\*\*\*

(90) INSPECTION DATE 08/10 (91) FREQUENCY 24 MO  
 (92) CRITICAL FEATURE INSPECTION: (93) CFI DATE  
 A) FRACTURE CRIT DETAIL- NO MO A)  
 B) UNDERWATER INSP- NO MO B)  
 C) OTHER SPECIAL INSP- NO MO C)



3/18/13.  
Robert says concrete wet, Assumes (imgahm@right)

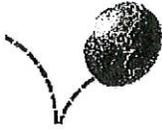
Photo No. 1  
Spall in Abutment 1 With Exposed Reinforcement



Photo No. 3  
Settlement at Right Side of Abutment 1



Photo No. 2  
Abutment 1 Crack from Top of Spall to Bottom of Superstructure



Takako Fujioka/HQ/Caltrans/CAGov  
01/24/2012 02:34 PM

To Dario Arugay/D04/Caltrans/CAGov@DOT  
cc  
bcc

Subject Fw: Bridge #21-0019

History: This message has been replied to and forwarded

Hi Dario:

Please see below...

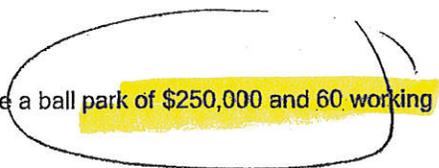
I'm still thinking about the other questions.

----- Forwarded by Takako Fujioka/HQ/Caltrans/CAGov on 01/24/2012 02:33 PM -----

Patrick Piacentini/HQ/Caltrans/CAGov  
v  
01/23/2012 02:20 PM

To Takako Fujioka/HQ/Caltrans/CAGov@DOT  
cc  
Subject Re: Bridge #21-0019

I would replace the entire abutment. I talked to Matt and he gave a ball park of \$250,000 and 60 working days.



Takako Fujioka/HQ/Caltrans/CAGov



Takako Fujioka/HQ/Caltrans/CAGov  
01/23/2012 02:11 PM

To Patrick Piacentini/HQ/Caltrans/CAGov@DOT  
cc  
Subject Bridge #21-0019

Patrick:

Is it better to rehab the right 1/4 of abutment 1 or replace the entire abutment?  
How would you replace it?

thanks  
Takako

----- Forwarded by Takako Fujioka/HQ/Caltrans/CAGov on 01/23/2012 02:08 PM -----



Dario Arugay/D04/Caltrans/CAGov  
01/20/2012 11:21 AM

To Takako Fujioka/HQ/Caltrans/CAGov@DOT  
cc fuk\_nyan\_kurniawan@dot.ca.gov  
Subject PID for 3 bridges

**California Department of Transportation  
Office of Structure Maintenance and Investigation**

Date : 04/06/2012

**PROJECT EA REPORT**

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PRJ ID	Dist	EA5 Cnty	Rte	Start	PM	End	PM	FY	Status	PIN	Dist	Source	Design	By	Constr	By
040003E520	043E520	SON						2014	1 Initiated							

Project Description: Meth deck.....

No. of Bridges Originally in Project:	1	Bridges currently in project:	1
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Est. Funding	Fund Type	District	Structure	Other	Total
	20.80.030	\$0	\$500,000	\$0	\$500,000
<b>Actual</b>	Original Prog.				
	Awarded				\$0
	Completed				\$0

Milestones	Current	Actual	XPM	%	Contacts		
	Date	Date	Date	Comp	Title	Name	Phone
M380-PROJ PS&E	02/28/14						
M460-RTL	04/30/14						
M480-HQ ADVERT	06/30/14						
M600-CONTRACT ACCEPT	06/30/15						

Project Comments		
Comments By: Lance Tobey	Date: 03/12/12	Category: General
Added place holder milestones until better information becomes availabel.		
Comments By: Takako Fujioka	Date: 02/07/12	Category: General
Created new project.... removed the other bridges and made this PID just one bridge.		
Comments By: Takako Fujioka	Date: 10/21/11	Category: General
Created new project based on list from Mike. PID #4		

**Bridge Work**

Bridge: 21-0019	HOPPER SLOUGH	Rte: 128	Desc:
Bridge Work Recommendations in Project			
08/09/2010	23 - Sub-Rehab	Total: \$30,000	Rehabilitate the right 1/4 of Abutment 1, full height, or replace entire Abutment.
03/16/2006	83 - Bridge-Paint ID	Total: \$1,000	Place the bridge identification on paddle markers at both abutments.
Number of Locations: 2 Ea @ \$500			HOPPER SLOUGH BR. NO. 21-0019 PM 5.12 1921
Work Recs NOT in Project			
08/09/2010	RV - Remove Vegetation	\$0	Clear vegetation under and around the structure for future inspection access.
Work By: 3-District			

**Total Cost of Work Recs in Project: \$31,000**

California Department of Transportation  
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Date : 04/06/2012

PROJECT EA REPORT

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Total Cost of Work Recs NOT in Project: \_\_\_\_\_ \$0