

PUBLIC WORKS DEPARTMENT
INITIAL STUDY OF
ENVIRONMENTAL SIGNIFICANCE

PROJECT NUMBER: 0672-6U4145
CP# 15-30

PROJECT NAME: Morgan Territory Road Bridges 4.30 & 4.40 Scour Repair Project

PREPARED BY: Alex Nattkemper

DATE: March 31, 2016

APPROVED BY: _____

DATE: 4-14-16

RECOMMENDATIONS:

Categorical Exemption: 15301 [Class 1(c)]

Negative Declaration

Environmental Impact Report Required

Conditional Negative Declaration

The project will not have a significant effect on the environment. The recommendation is based on the following: The project consists of repair of an existing public structure, pursuant to section 15301(c) of the CEQA guidelines.

What changes to the project would mitigate the identified impacts: N/A

USGS Quad Sheet: Tassajara	Base Map Sheet #: R-20	Parcel #: 080-070-011, 080-070-009
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GENERAL CONSIDERATIONS:

- Location:** The project is located on Morgan Territory Road, approximately 4.3 miles south of Marsh Creek Road in the Clayton area in rural Contra Costa County [Figures 1-3].
- Project Description:** The purpose of this project is to repair scour damage and bank erosion at two bridges located on Morgan Territory Road. Bridges 4.30 and 4.40 are similar structures that cross Marsh Creek and are located approximately 200 feet apart from each other. The bridges are approximately 13' long and 14' wide, consisting of timber girders with timber plank decking, and a 2" asphalt concrete (AC) wearing surface that is in poor condition with severe cracking. The timber railings have deteriorated and are missing guardrails in some locations. The abutments are grouted boulders that have either grout or boulders missing from the abutment face due to scouring. There is also significant scouring in the creek beds and a lack of drainage improvements in the roadway has caused bank erosion at various locations at both bridge sites. The project consists of installing rip rap (rock) on embankment slopes, placing a reinforced concrete slab in the channel below each bridge, filling voids in the boulder abutments with mortar, removal of trees where stability has been undermined due to erosion, repairing and replacing existing bridge railings with timber posts and guardrail system barriers, and installation of guardrail at the bridge approaches. Curbs and surface drains will be installed as needed to keep roadway drainage from further eroding embankments adjacent to the bridge abutments. Existing AC pavement within twenty-five feet of the bridge abutments and on the bridge deck will be ground and overlaid. If any pavement areas are found to be structurally deficient, the area will be dug out and replaced with a full depth structural pavement section. Overall, these improvements will strengthen the bridge abutments and extend the service life of the existing bridges. Appropriate Best Management Practices (BMPs) will be implemented to protect the creek. Tree and shrubbery trimming may be necessary throughout the project area. In order to minimize damage to trees, any roots exposed during construction activities will be clean cut and tree branches will be trimmed. Traffic impacts are expected to be minimal with one lane open to traffic at all times. A temporary lane closure may be needed to allow for the placement of materials and concrete over the side of the bridge. Any temporary lane closures will be during the off-peak hours. Emergency vehicles will have access at all times. Work will take place during the dry season (April 15 to October 15) and is anticipated to be completed in approximately 20 working days. Although the creek is expected to be dry, dewatering of the creek may be necessary to complete the project. No utility relocations are anticipated. Real property transactions, including right-of-way acquisitions, may be necessary in support of the project. The project is a covered activity under the East Contra Costa County Habitat Conservation Plan/Natural Community Conservation Plan (HCP/NCCP). The project will follow the HCP/NCCP Avoidance and Minimization Measures to minimize impacts to covered species and their habitats. In addition, appropriate HCP/NCCP mitigation fees will be paid to the Conservancy prior to the start of construction.
- Does it appear that any feature of the project will generate significant public concern?**
 Yes No maybe (Nature of concern):
- Will the project require approval or permits by other than a County agency?**
 Yes No U.S. Army Corps of Engineers, California Regional Water Quality Control Board, California Department of Fish and Wildlife, U.S. Fish and Wildlife Service, and East Contra Costa County Habitat Conservancy
- Is the project within the Sphere of Influence of any city?** No

Morgan Territory Road Bridges 4.30 & 4.40 Scour Repair Project

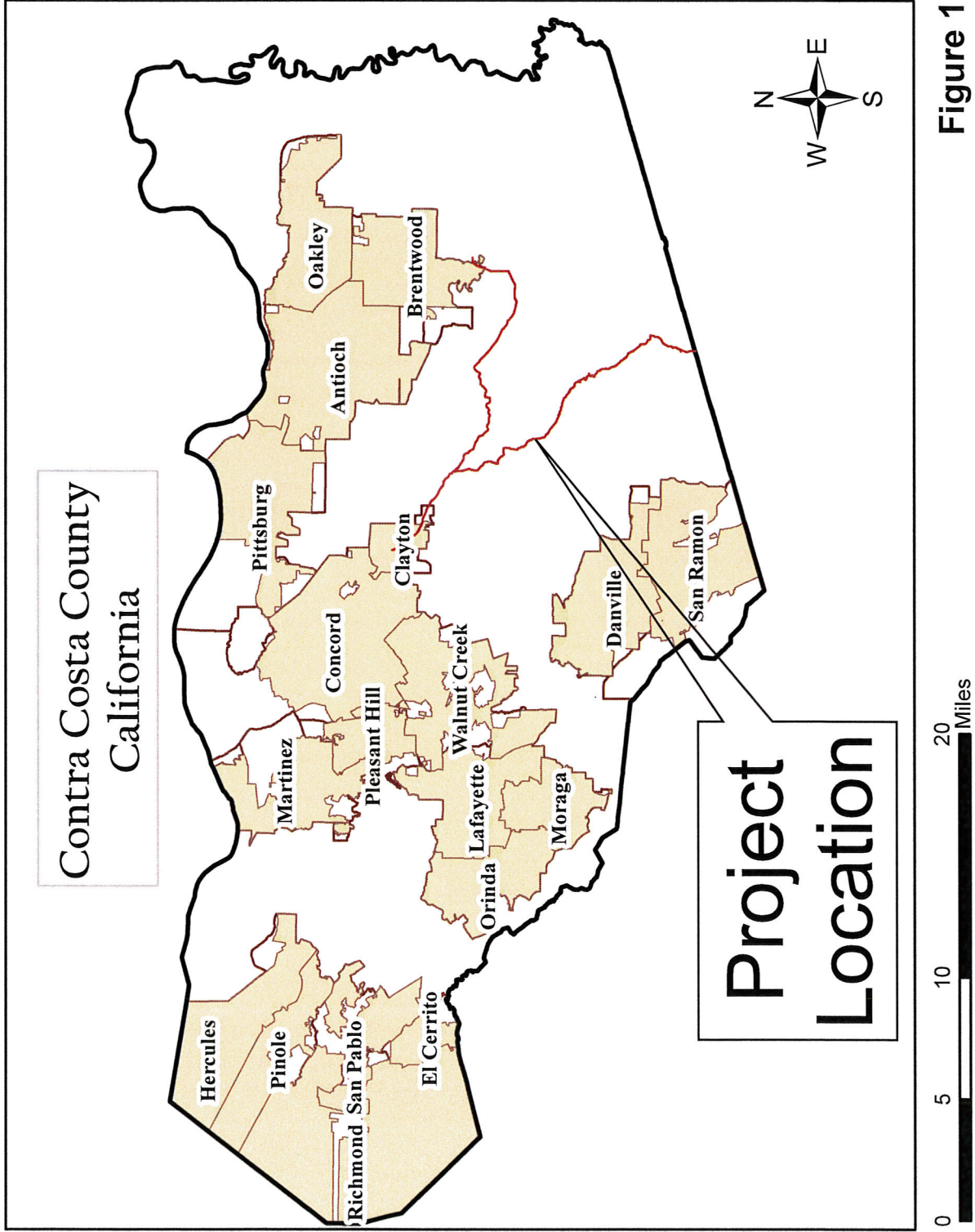
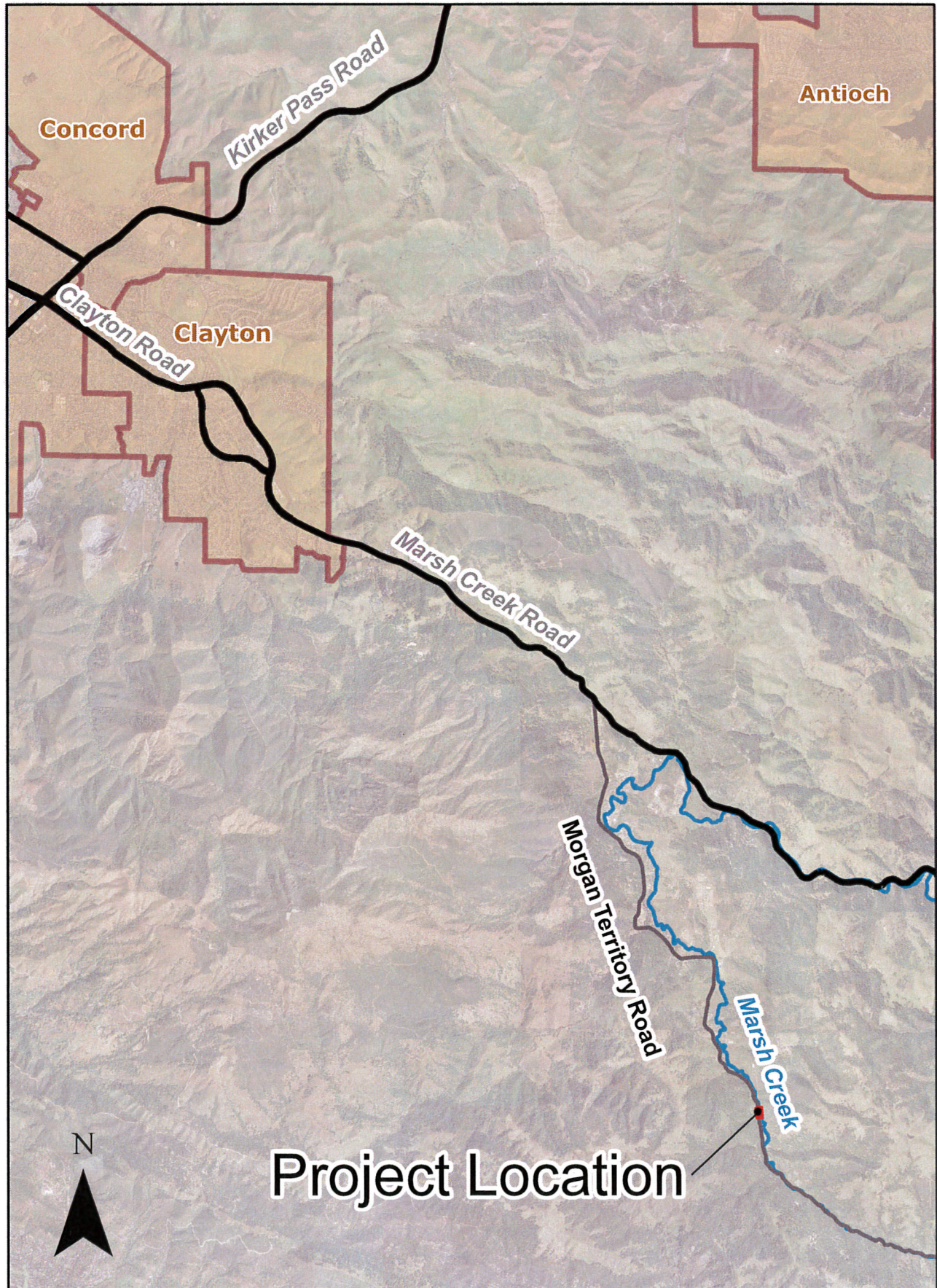


Figure 1

Morgan Territory Road Bridges 4.30 & 4.40 Scour Repair Project



0 0.5 1 2 3 4 Miles

Figure 2

Morgan Territory Road Bridges 4.30 and 4.40 Scour Repair Project

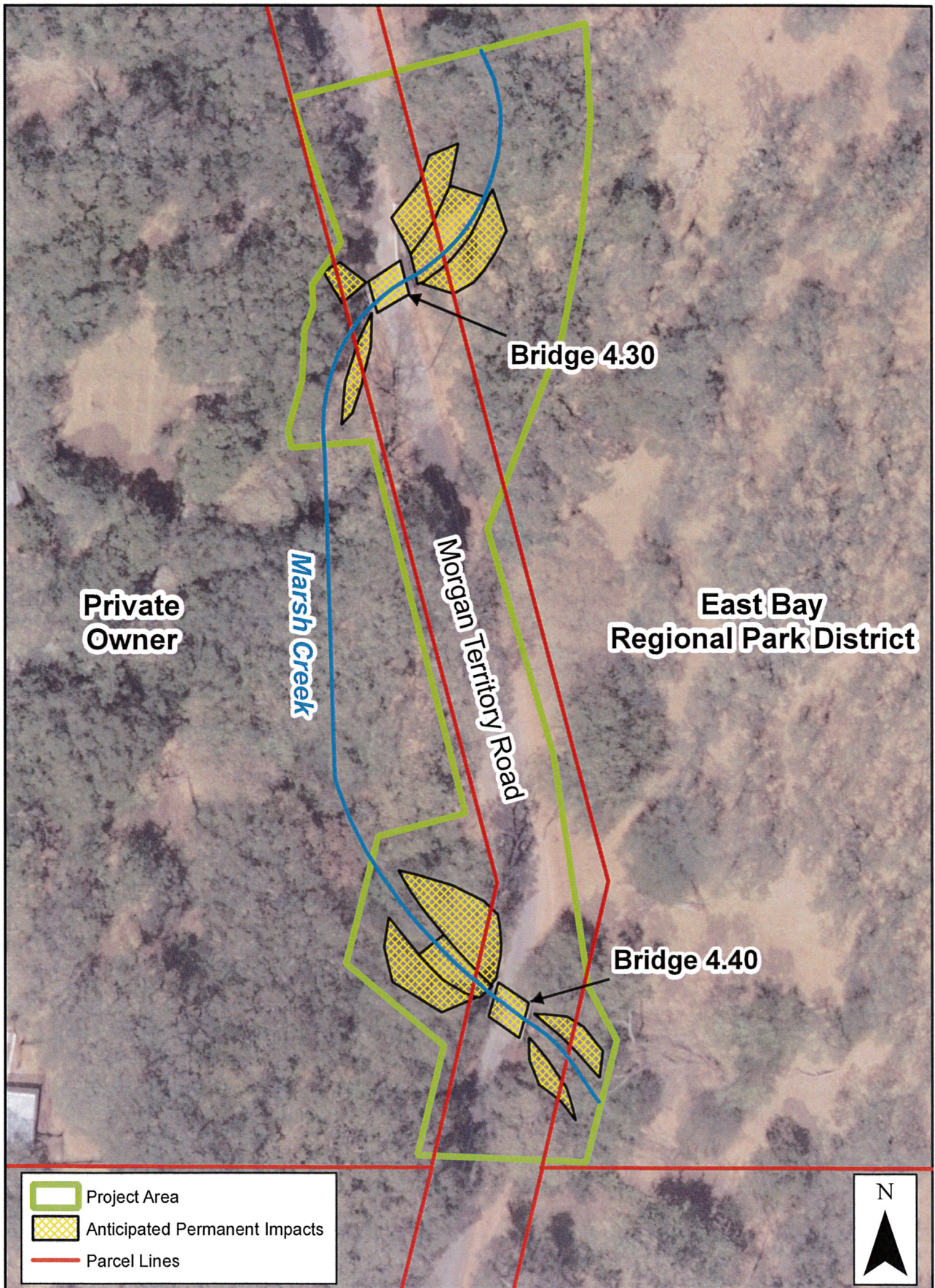


Figure 3

**CALIFORNIA ENVIRONMENTAL QUALITY ACT
Notice of Exemption**

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

From: Contra Costa County
Dept. of Conservation & Development
30 Muir Road
Martinez, CA 94553

County Clerk
County of: Contra Costa

Project Title: **Morgan Territory Road Bridges 4.30 & 4.40 Scour Repair Project**
Project No. **0672-6U4145, CP# 15-30**

COPY

Project Applicant: **Contra Costa County Public Works Department**

Project Location – **Specific: Morgan Territory Road**

Project Location: **Clayton area, 4.3 miles south of Marsh Creek Road**

Project Location – County: **Contra Costa**

Description of Nature, Purpose and Beneficiaries of Project: The purpose of this project is to repair scour damage and bank erosion at two bridges located on Morgan Territory Road. Bridges 4.30 and 4.40 are similar structures that cross Marsh Creek and are located approximately 200 feet apart from each other. The bridges are approximately 13' long and 14' wide, consisting of timber girders with timber plank decking, and a 2" asphalt concrete (AC) wearing surface that is in poor condition with severe cracking. The timber railings have deteriorated and are missing guardrails in some locations. The abutments are grouted boulders that have either grout or boulders missing from the abutment face due to scouring. There is also significant scouring in the creek beds and a lack of drainage improvements in the roadway has caused bank erosion at various locations at both bridge sites. The project consists of installing rip rap (rock) on embankment slopes, placing a reinforced concrete slab in the channel below each bridge, filling voids in the boulder abutments with mortar, removal of trees where stability has been undermined due to erosion, repairing and replacing existing bridge railings with timber posts and guardrail system barriers, and installation of guardrail at the bridge approaches. Curbs and surface drains will be installed as needed to keep roadway drainage from further eroding embankments adjacent to the bridge abutments. Existing AC pavement within twenty-five feet of the bridge abutments and on the bridge deck will be ground and overlaid. If any pavement areas are found to be structurally deficient, the area will be dug out and replaced with a full depth structural pavement section. Overall, these improvements will strengthen the bridge abutments and extend the service life of the existing bridges. Appropriate Best Management Practices (BMPs) will be implemented to protect the creek. Tree and shrubbery trimming may be necessary throughout the project area. In order to minimize damage to trees, any roots exposed during construction activities will be clean cut and tree branches will be trimmed. Traffic impacts are expected to be minimal with one lane open to traffic at all times. A temporary lane closure may be needed to allow for the placement of materials and concrete over the side of the bridge. Any temporary lane closures will be during the off-peak hours. Emergency vehicles will have access at all times. Work will take place during the dry season (April 15 to October 15) and is anticipated to be completed in approximately 20 working days. Although the creek is expected to be dry, dewatering of the creek may be necessary to complete the project. No utility relocations are anticipated. Real property transactions, including right-of-way acquisitions, may be necessary in support of the project. The project is a covered activity under the East Contra Costa County Habitat Conservation Plan/Natural Community Conservation Plan (HCP/NCCP). The project will follow the HCP/NCCP Avoidance and Minimization Measures to minimize impacts to covered species and their habitats. In addition, appropriate HCP/NCCP mitigation fees will be paid to the Conservancy prior to the start of construction.

Name of Public Agency Approving Project: **Contra Costa County**
Name of Person or Agency Carrying Out Project: **Contra Costa County Public Works Department**

Exempt Status:

- Ministerial Project (Sec. 21080(b) (1); 15268); Categorical Exemption: Class 1(c)
 Declared Emergency (Sec. 21080(b)(3); 15269(a)); Other Statutory Exemption, Code No.: _____
 Emergency Project (Sec. 21080(b)(4); 15269(b)(c)); General Rule of Applicability [Article 5, Section 15061 (b)(3)]

Reasons why project is exempt: The project consists of repair of an existing public structure, pursuant to section 15301(c) of the CEQA guidelines.

Lead Agency Contact Person: **Alex Nattkemper - Public Works Dept.** Area Code/Telephone/Extension: **(925) 313-2364**

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature: *Alex Nattkemper* Date: 4/14/16 Title: Principal Planner

Signed by Lead Agency Signed by Applicant

AFFIDAVIT OF FILING AND POSTING

I declare that on _____ I received and posted this notice as required by California Public Resources Code Section 21152(c). Said notice will remain posted for 30 days from the filing date.

Signature

Title

Applicant:

Public Works Department
255 Glacier Drive
Martinez, CA 94553
Attn: **Alex Nattkemper**
Environmental Services Division
Phone: (925) 313-2364

Department of Fish and Game Fees Due

- EIR - \$3,070.00
 Neg. Dec. - \$2,210.25
 DeMinimis Findings - \$0
 County Clerk - \$50
 Conservation & Development - \$25

Total Due: \$ 75.00

Total Paid \$ _____

Receipt #: _____