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## Chapter 3 Comments and Coordination

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This environmental document was prepared on the basis of consultation and coordination with federal, state, and local agencies, and with organizations and individuals from the communities within the corridor of the SR 4 (East) Widening Project: Loveridge Road to SR 160. Public participation and agency consultation have been accomplished through a variety of formal and informal methods, including “scoping” meetings, formal letter requests for information and coordination, meetings with public and resource agency staff, and distribution of flyers and public notices during the studies. A *public hearing* was conducted during the public review period for this document. A public meeting to present the preferred project alternative following completion of the studies is also anticipated.

The California Department of Transportation (Caltrans) is the lead agency under the California Environmental Quality Act (CEQA) to prepare this environmental document. Caltrans and the Federal Highway Administration (FHWA) are serving as joint lead agencies under the National Environmental Policy Act (NEPA). Project development and public involvement have been carried out under the auspices of the Contra Costa Transportation Authority (CCTA). Caltrans, in coordination with FHWA, has conducted agency consultations to complete the related environmental processes. Also, numerous contacts with local and regional agencies have been made to gather supporting information and obtain input for the environmental studies. This section of the environmental document summarizes and reports on these various efforts.

### 3.1 Summary of Public Involvement

#### 3.1.1 Early Consultation Meetings

Early consultation or “scoping” meetings were held in October 2001 to present the project purpose and need and alternatives and obtain public and agency input regarding the alternatives and issues to be evaluated in the environmental studies. Meetings were held in both Pittsburg and Brentwood to facilitate attendance by people throughout the SR 4 corridor. Both meetings addressed the SR 4 Widening: Loveridge Road to SR 160 Project and explained the relationship between the corridor widening project and the ongoing East County Transit Study.

The meetings were announced through a display advertisement in the *Contra Costa Times* and via a notice that was mailed directly to nearly 3,500 addresses, comprising all occupants and property owners within 500 feet of the centerline of the proposed project. The meetings were also announced to agency staff through advertisements in the legal newspapers.

The meetings provided an opportunity for attendees to view project exhibits and ask questions directly of staff in an “open house” format as well as to hear formal presentations with questions and answers before the assembled group. Approximately 25 people attended the Pittsburg meeting and 12 people attended the Brentwood meeting. No regulatory or resource agency staff identified themselves at either meeting. Written and verbal comments received at or following the meetings were compiled in the Scoping Meetings Summary (November 2001).

Environmental justice communities were also provided an opportunity to identify their needs and concerns at the early consultation meetings. As described in Section 2.1.4.4, Environmental Justice, populations in six census tracts located in the vicinity of the SR 4 / Loveridge Road Interchange were identified as environmental justice communities based on ethnicity and/or low income level. Since these tracts abut the SR 4 alignment for the most part, environmental justice community members who would receive direct impacts of the project would have received a notice of the meetings by direct mailing. Members of these communities attended the Pittsburg meeting held in October 2001. At that time, the Railroad Avenue Interchange was under construction, resulting in temporary disruption of traffic circulation. Residents expressed concern that reconstruction of the Loveridge Road Interchange would further disrupt traffic circulation. The project team was able to address this concern by explaining that construction of the Railroad Avenue Interchange would be completed prior to reconstruction of the Loveridge Road Interchange, and that only one interchange in the project area would be under construction and affecting traffic at any one time. Based on all of the studies moreover, the project will not have disproportionate impacts on environmental justice communities.

### **3.1.2 Notices**

Early public consultation meetings and the availability of this environmental document for review were noticed by means of informational flyers directly mailed to all occupants and property owners within 500 feet of the centerline of the proposed project. This included all 3500 names on the project mailing list. Also, the meetings were advertised in the *Contra Costa Times* newspaper. Notices explained clearly what would be entailed by the project; the date, time, and place of the public meetings or hearing; and where to send comments on the project. The notice of availability of this environmental document also listed environmental effects and proposed mitigation measures, where to send comments on the environmental document, and the deadlines for such comments to be received. *Personalized invitations to attend the public hearing were mailed to participating agencies, federal and state representatives, and County Board of Supervisors representatives for the project corridor, as well as the City Council members of Pittsburg, Antioch, Oakley, and Brentwood. Municipal Advisory Council (MAC) members from Discovery Bay, Bay Point, and Knightsen also received invitations. A display advertisement was published in the Contra Costa Times on Sunday, October 3, 2004 and Sunday, October 17, 2004. This advertisement provided the meeting date, time, and location, the purpose of the meeting, and contact information.*

### **3.1.3 Public Hearing and Circulation of the Draft EA/IS**

*The Notice of Availability announced the release of the Draft EA/IS and locations where the EA/IS and supporting technical documents were available for public review. The Draft EA/IS was made available to the public for a 50-day review period from Monday, October 4, 2004 to Monday, November 23, 2004. Electronic copies of the Draft EA/IS were available for review on both Caltrans and CCTA websites.*

*The public hearing was held at Antioch High School on Thursday, October 21, 2004 from 7:00 p.m. to 9:00 p.m. Approximately 70 people attended the meeting. The meeting began with an open house with display boards and information stations at which project staff were available to answer questions. A formal presentation was followed by a question and answer session. A court reporter took dictated statements, and a station was provided where attendees could write out comments and submit them at the meeting or by the end of the public comment period.*

*Written comments received during the public comment period are included in Chapter 6, Comments and Responses.*

## **3.2 Agency Consultations**

### **3.2.1 Agencies Contacted**

Agencies formally or informally contacted and consulted during the preparation of this environmental document include the following:

Association of Bay Area Governments  
Bay Area Air Quality Management District  
California Department of Fish and Game  
California Public Utilities Commission  
Cities of Antioch and Pittsburg Assessor's Offices  
Cities of Antioch and Pittsburg Community Development Departments  
Cities of Antioch and Pittsburg Housing Authorities  
Cities of Antioch and Pittsburg Planning Departments  
Cities of Antioch and Pittsburg Public Works Departments  
Cities of Antioch and Pittsburg Transportation / Traffic Departments  
Contra Costa County Flood Control and Water Conservation District  
Contra Costa County Tax Assessor's Office  
Contra Costa Water District  
Federal Emergency Management Agency  
TRANSPLAN Committee of Eastern Contra Costa County  
U.S. Army Corps of Engineers  
U.S. Census Bureau  
U.S. Department of Commerce, National Atmospheric and Oceanic Administration, Fisheries Service  
U.S. Department of Interior, Fish and Wildlife Service  
U.S. Environmental Protection Agency (EPA)

CCTA has presented the proposed project at town meetings organized by California State Senator Tom Torlakson and has met also with concerned individuals and private businesses, including the following:

Jack Bhallas, Owner – ARCO Station, Buchanan and Contra Loma Boulevard, Antioch  
Auto Mall  
Sierra Pacific Properties  
Union Pacific Railroad  
Numerous local residents and commercial business property owners

All relevant federal, state, and local agencies, organizations, and other interested entities and individuals received a Notice of the Availability of the Draft EA/IS. In addition, copies of the Draft EA/IS were sent to the State Clearinghouse, where they were received on September 30, 2004 and circulated among the following state agencies:

Department of Fish and Game, Region 3  
Resources Agency  
Regional Water Quality Control Board, Region 2  
Department of Parks and Recreation  
Native American Heritage Commission  
Office of Historic Preservation  
Department of Water Resources  
California Highway Patrol  
Caltrans, District 4  
San Francisco Bay Conservation and Development Commission  
Air Resources Board  
Transportation Projects  
Department of Toxic Substances Control

### **3.2.2 Coordination Regarding Cultural Resources**

The following organizations and concerned parties were notified of the proposed project by letter and invited to comment regarding concerns they may have had about cultural resources in the project vicinity:

Antioch Historical Society  
Antioch Planning Commission  
Contra Costa County Planning Department  
Contra Costa County Historical Society  
East Contra Costa Historical Society  
Native American Heritage Commission  
Pittsburg Planning Commission  
Pittsburg Historical Society  
Pittsburg Historical Society Museum

Coordination with Native American groups and other interested parties was carried out by the consultant team in coordination with Caltrans staff and in accordance with Advisory Council on Historic Preservation and Caltrans procedures. Letters were sent to the Native American Heritage Commission on May 31, 2001 and October 30, 2003, requesting information or concerns relating to the project and identification of Native American Community contacts with whom to follow up concerning potential project effects. Follow-up telephone calls were conducted with Native American community contacts between November 10 and November 21, 2003.

A Historic Properties Survey Report (HPSR) was submitted to the State Historic Preservation Officer (SHPO) on June 22, 2004. On July 22, 2004, the SHPO concurred with the report's finding that there are no historic resources within the architectural Area of Potential Effects (APE) meeting eligibility

criteria for the National Register of Historic Places (NRHP) or California Register of Historic Resources (CRHR). This letter of concurrence is included in Section 3.3, Correspondence.

### **3.2.3 Consultation Pursuant to the Western States MOU for Integrated NEPA 404 Processing**

Consultation pursuant to the Western States Memorandum of Understanding for Integrated NEPA-404 Processing was initiated early in the project consistent with a preliminary assessment of project effects on wetlands and other waters of the U.S. and the expectation at that time that the project might not qualify for a nationwide permit under Section 404 of the Clean Water Act. A NEPA-404 integration meeting including staff from FHWA, Caltrans, U.S. EPA, U.S. Army Corps of Engineers (ACOE), and U.S. Fish and Wildlife Service (USFWS) was held in Caltrans offices on February 28, 2002. There are no concerns affecting anadromous fish in association with the SR 4 (East) Widening Project, and therefore, NOAA Fisheries declined to attend. Minutes of this meeting report participants' general consensus that the project resources and impacts did not appear to warrant NEPA-404 integration.

A delineation of potential jurisdictional areas was transmitted to the San Francisco District of the ACOE on March 22, 2002. The ACOE reviewed the resources in the field on March 26, and returned its jurisdictional determination on July 10, 2002; a copy of the ACOE's letter is included in Section 3.3. Based on the jurisdictional determination and the assessment of project impacts from the preliminary engineering plans as presented in this document in Section 2.3.1, Wetlands and Other Waters of the United States, it appears that the SR 4 (East) Widening Project will qualify for (a) nationwide 404 permit(s), and therefore no further NEPA-404 integration is required. A letter was sent to the ACOE confirming this determination on May 3, 2002. No additional NEPA-404 integration activities are warranted.

### **3.2.4 Consultation Under Section 7 of the Endangered Species Act**

Caltrans requested and received a listing of rare, threatened, and candidate species from the USFWS; a copy of the USFWS's August 25, 2003 letter is provided in Section 3.3, Correspondence. Also, the California Natural Diversity Database and the California Native Plant Society were consulted for records of special status plant and wildlife species that could occur in the project vicinity. Field reconnaissance and habitat assessment was conducted as reported in Section 2.3.3, Threatened and Endangered Species. Protocol-level surveys for California red-legged frog were conducted in May and June 2003. During the protocol-level surveys for California red-legged frog, surveys were conducted as well for giant garter snake and western pond turtle. Caltrans submitted USFWS and CDFG copies of the NES / Biological Assessment (NES/BA) with a letter requesting their concurrence that the project is not likely to affect California red-legged frog, giant garter snake, or western pond turtle.

A letter was also sent to NOAA Fisheries on April 28, 2004, requesting their concurrence in the determination that there are no steelhead within waterways in the SR 4 project vicinity. In their letter

of June 1, 2004, NOAA Fisheries concurred that there are no anadromous fish in the waters in the project vicinity. A copy of the *NOAA Fisheries letter* is provided in Section 3.3, Correspondence.

*USFWS conducted a field review with Caltrans and CCTA staff on April 1, 2005, to determine the suitability of habitat for the California red-legged frog, salt marsh harvest mouse, and the giant garter snake. Based on this field review, USFWS determined that West Antioch Creek at the SR 4 / Contra-Loma Boulevard–L Street Interchange was potential habitat for California red-legged frog, but was not suitable habitat for the salt marsh harvest mouse or giant garter snake.*

*On June 9, 2005, USFWS received a request from FHWA to initiate formal consultation under Section 7 of the Endangered Species Act. The initiation package included an addendum to the NES/BA. The addendum included areas of potential effects to California red-legged frog habitat and proposed avoidance, minimization, and compensation measures that had been developed in consultation with USFWS. On June 13, 2005, USFWS issued a Biological Opinion for the project. The Biological Opinion concluded that the State Route 4 East Widening Project is not likely to jeopardize the continued existence of California red-legged frog. Incidental take of the California red-legged frog was established as “California red-legged frog inhabiting 2.62 acres. None of the area is designated critical habitat for the California red-legged frog.” Terms and conditions [of the incidental take permit] are based on the minimization of the potential for incidental take by utilization of conservation measures in the NES, NES Addendum, and the Biological Opinion. The USFWS Biological Opinion is included in this environmental document as Appendix F.*

### 3.3 Correspondence

With the exception of the *USFWS Biological Opinion*, this section presents copies of letters referred to in Section 3.2, Agency Consultations. *The USFWS Biological Opinion is in Appendix G.* Letters in this section are as follows:

USFWS	August 25, 2003	Listing of rare, threatened, and candidate species.
ACOE	July 10, 2002	Jurisdictional Determination
USFWS	April 28, 2004	Letter to USFWS requesting concurrence on findings that the SR 4 (East) Widening Project is unlikely to affect special-status species.
CDFG	April 28, 2004	Letter to CDFG requesting concurrence on findings that the SR 4 (East) Widening Project is unlikely to affect special-status species.
NOAA Fisheries	April 28, 2004	Letter to NOAA Fisheries requesting concurrence on findings that the SR 4 (East) Widening Project is unlikely to affect anadromous fish.
NOAA Fisheries	June 1, 2004	Concurrence on findings that the SR 4 (East) Widening Project is unlikely to affect anadromous fish.
Native American Heritage Commission	October 30, 2003	Notification of the proposed project and a request for information and concerns.
Native American Heritage Commission	November 18, 2003	Reponse letter identifying Native American contacts for project area.
Katherine Erolinda Perez	November 20, 2003	Notification of the proposed project and a request for information and concerns.
Ramona Garibay	November 20, 2003	Notification of the proposed project and a request for information and concerns.
Andrew Galvan	November 20, 2003	Notification of the proposed project and a request for information and concerns.
Contra Costa County Historical Society	August 14, 2003	Example of letter to notify parties with cultural resource interests of the proposed project and invite these parties to respond with concerns.
Office of Historic Preservation	July 22, 2004	Concurrence that there are no cultural resources within the APE eligible for inclusion in the NHRP or CRHR.
City of Antioch	August 16, 2004	Acknowledgement that the 50- by 550 foot strip of land contiguous to the Contra Loma Estates Park is reserved for SR4 widening.

Owen, Jeannette

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**From:** Harry\_Mossman@fws.gov  
**Sent:** Monday, August 25, 2003 9:57 AM  
**To:** Jeannette.Owen@parsons.com  
**Subject:** Species List Requested- State Route 4

Hi Jeannette,

For your convenience, updated lists may be downloaded from our website. The specific page is [http://sacramento.fws.gov/es/spp\\_list.htm](http://sacramento.fws.gov/es/spp_list.htm). The Code of Federal Regulations states that applicants may update their species lists formally or informally (50 CFR §402.12). We have determined that our web page is an appropriate way to update.

Harry Mossman  
Biological Technician

----- Forwarded by Harry Mossman/SAC/R1/FWS/DOI on 08/25/2003 09:54 AM -----

Dwight Harvey

08/21/2003 03:25  
PM

To: Harry Mossman/SAC/R1/FWS/DOI@FWS  
cc:  
Subject: Species List Requested- State

Route 4

----- Forwarded by Dwight Harvey/SAC/R1/FWS/DOI on 08/21/03 03:25 PM -----

"Owen, Jeannette"  
<Jeannette.Owen@p  
arsons.com>

<fwlsacweb@fws.gov>

To: "'fwlsacweb@fws.gov'"

cc:  
Subject: Species List Requested- State

Route 4

08/21/03 01:10 PM

Dear Mr. Mossman,

I am contacting you to get an updated species list for the State Route 4 Widening Project. The project has been ongoing since 2000. We are about to send out an environmental document but first need to incorporate any new species that may have been listed since 2000. Could you please send us a formal species list for the State Route 4 project in Antioch, California. The project area involves the following quadrangles: Jersey Island, Antioch North, Antioch South, Honker Bay, and Brentwood in Contra Costa County.

Thank you in advance,  
Jeannette Owen  
Wildlife Biologist  
Parsons  
(916) 483-0483  
Fax (916) 483-3364  
Jeannette.Owen@parsons.com  
2233 Watt Avenue, Suite 330, Sacramento, CA 95825

Dear Mr. Mossman,

We at Parsons Harland Bartholomew & Associates are requesting a formal species list for the State Route 4 project in Antioch, California. The project area involves the following quadrangles: Jersey Island, Antioch North, Antioch South, Honker Bay, and Brentwood in Contra Costa County.

In order for us to plan our fieldwork needs well enough in advance, we request that you send us by fax, a preliminary "unofficial" list as you have done for us before (if possible), and then follow up with the official list by mail. Please let me know if this will be possible.

Our fax number is (916) 483-3364 and our mailing address is:

Jeannette Owen  
Parsons Harland Bartholomew & Associates,  
2233 Watt Avenue, Suite 330, Sacramento, CA 95825

Telephone - (916) 483-0481.

E-mail responses can be sent to Jeannette.Owen@parsons.com

Thank you,

Jeannette Owen  
Biologist

**Federal Endangered and Threatened Species that  
may be Affected by Projects in the  
BRENTWOOD 7 1/2 Minute Quad**

**Database Last Updated: August 20, 2003**

**Today's Date is: September 3, 2003**

**Listed Species**

**Invertebrates**

*Branchinecta longiantenna* - longhorn fairy shrimp (E)

*Branchinecta lynchi* - vernal pool fairy shrimp (T)

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

*Lepidurus packardii* - vernal pool tadpole shrimp (E)

**Fish**

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

*Oncorhynchus tshawytscha* - winter-run chinook salmon (E) (NMFS)

*Pogonichthys macrolepidotus* - Sacramento splittail (T)

**Amphibians**

*Rana aurora draytonii* - California red-legged frog (T)

**Reptiles**

*Masticophis lateralis euryxanthus* - Alameda whipsnake (T)

*Thamnophis gigas* - giant garter snake (T)

**Birds**

*Haliaeetus leucocephalus* - bald eagle (T)

**Mammals**

*Neotoma fuscipes riparia* - riparian (San Joaquin Valley) woodrat (E)

*Sylvilagus bachmani riparius* - riparian brush rabbit (E)

*Vulpes macrotis mutica* - San Joaquin kit fox (E)

## Proposed Species

### Amphibians

*Ambystoma californiense* - California tiger salamander (PT)

### Birds

*Charadrius montanus* - mountain plover (PT)

## Candidate Species

### Fish

*Acipenser medirostris* - green sturgeon (C)

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

## Species of Concern

### Invertebrates

*Anthicus antiochensis* - Antioch Dunes anthicid beetle (SC)

*Anthicus sacramento* - Sacramento anthicid beetle (SC)

*Hygrotus curvipes* - curved-foot hygrotus diving beetle (SC)

*Linderiella occidentalis* - California linderiella fairy shrimp (SC)

*Lytta molesta* - molestan blister beetle (SC)

*Perdita hirticeps luteocincta* - yellow-banded andrenid bee (SC)

### Fish

*Lampetra ayresi* - river lamprey (SC)

*Lampetra tridentata* - Pacific lamprey (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Rana boylei* - foothill yellow-legged frog (SC)

*Spea hammondi* - western spadefoot toad (SC)

## Reptiles

*Anniella pulchra pulchra* - silvery legless lizard (SC)

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Masticophis flagellum ruddocki* - San Joaquin coachwhip (=whipsnake) (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

## Birds

*Agelaius tricolor* - tricolored blackbird (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Branta canadensis leucopareia* - Aleutian Canada goose (D)

*Buteo regalis* - ferruginous hawk (SC)

*Buteo Swainsoni* - Swainson's hawk (CA)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Grus canadensis tabida* - greater sandhill crane (CA)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Limosa fedoa* - marbled godwit (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Plegadis chihi* - white-faced ibis (SC)

*Riparia riparia* - bank swallow (CA)

*Selasphorus rufus* - rufous hummingbird (SC)

*Selasphorus sasin* - Allen's hummingbird (SC)

*Toxostoma redivivum* - California thrasher (SC)

## Mammals

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Neotoma fuscipes annectens* - San Francisco dusky-footed woodrat (SC)

*Perognathus inornatus* - San Joaquin pocket mouse (SC)

## Plants

*Atriplex joaquiniana* - San Joaquin spearscale (=saltbush) (SC)

*Blepharizonia plumosa ssp. plumosa* - big tarplant (SC)

## Species with Critical Habitat Proposed or Designated in this Quad

Alameda whipsnake (T)

delta smelt (T)

vernal pool invertebrates (X)

vernal pool plants (X)

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**Key:**

(E) Endangered - Listed (in the Federal Register) as being in danger of extinction.

(T) Threatened - Listed as likely to become endangered within the foreseeable future.

(P) Proposed - Officially proposed (in the Federal Register) for listing as endangered or threatened.

(NMFS) Species under the Jurisdiction of the National Marine Fisheries Service. Consult with them directly about these species.

Critical Habitat - Area essential to the conservation of a species.

(PX) Proposed Critical Habitat - The species is already listed. Critical habitat is being proposed for it.

(C) Candidate - Candidate to become a proposed species.

(CA) Listed by the State of California but not by the Fish & Wildlife Service.

(D) Delisted - Species will be monitored for 5 years.

(SC) Species of Concern/(SLC) Species of Local Concern - Other species of concern to the Sacramento Fish Wildlife Office.

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Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our list includes all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

This is *not* an official list for formal consultation under the Endangered Species Act. *However, it may be used to update official lists.*

If you have a project that may affect endangered species, please contact the Endangered Species Division, Sacramento Fish and Wildlife Office, U.S. Fish and Wildlife Service.



**Federal Endangered and Threatened Species that  
may be Affected by Projects in the  
ANTIOCH SOUTH 7 1/2 Minute Quad**

**Database Last Updated: August 20, 2003**

**Today's Date is: September 3, 2003**

**Listed Species**

**Invertebrates**

*Branchinecta longiantenna* - longhorn fairy shrimp (E)

*Branchinecta lynchi* - vernal pool fairy shrimp (T)

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

**Fish**

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

*Oncorhynchus tshawytscha* - Central Valley spring-run chinook salmon (T) (NMFS)

*Pogonichthys macrolepidotus* - Sacramento splittail (T)

**Amphibians**

*Rana aurora draytonii* - California red-legged frog (T)

**Reptiles**

*Masticophis lateralis euryxanthus* - Alameda whipsnake (T)

*Thamnophis gigas* - giant garter snake (T)

**Birds**

*Haliaeetus leucocephalus* - bald eagle (T)

*Rallus longirostris obsoletus* - California clapper rail (E)

**Mammals**

*Neotoma fuscipes riparia* - riparian (San Joaquin Valley) woodrat (E)

*Sylvilagus bachmani riparius* - riparian brush rabbit (E)

*Vulpes macrotis mutica* - San Joaquin kit fox (E)

## Plants

*Amsinckia grandiflora* - large-flowered fiddleneck (E)

## Proposed Species

### Amphibians

*Ambystoma californiense* - California tiger salamander (PT)

### Birds

*Charadrius montanus* - mountain plover (PT)

## Candidate Species

### Fish

*Acipenser medirostris* - green sturgeon (C)

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

## Species of Concern

### Invertebrates

*Anthicus antiochensis* - Antioch Dunes anthicid beetle (SC)

*Anthicus sacramento* - Sacramento anthicid beetle (SC)

*Coelus gracilis* - San Joaquin dune beetle (SC)

*Hygrotus curvipes* - curved-foot hygrotus diving beetle (SC)

*Linderiella occidentalis* - California linderiella fairy shrimp (SC)

*Lytta molesta* - molestan blister beetle (SC)

*Perdita hirticeps luteocincta* - yellow-banded andrenid bee (SC)

### Fish

*Lampetra ayresi* - river lamprey (SC)

*Lampetra tridentata* - Pacific lamprey (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Rana boylei* - foothill yellow-legged frog (SC)

*Spea hammondi* - western spadefoot toad (SC)

### Reptiles

*Anniella pulchra pulchra* - silvery legless lizard (SC)

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*Masticophis flagellum ruddocki* - San Joaquin coachwhip (=whipsnake) (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

### Birds

*Agelaius tricolor* - tricolored blackbird (SC)

*Amphispiza belli belli* - Bell's sage sparrow (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Buteo regalis* - ferruginous hawk (SC)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Grus canadensis tabida* - greater sandhill crane (CA)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Laterallus jamaicensis coturniculus* - black rail (CA)  
*Limosa fedoa* - marbled godwit (SC)  
*Melanerpes lewis* - Lewis' woodpecker (SC)  
*Melospiza melodia maxillaris* - Suisun song sparrow (SC)  
*Numenius americanus* - long-billed curlew (SC)  
*Picoides nuttallii* - Nuttall's woodpecker (SLC)  
*Plegadis chihi* - white-faced ibis (SC)  
*Riparia riparia* - bank swallow (CA)  
*Selasphorus rufus* - rufous hummingbird (SC)  
*Selasphorus sasin* - Allen's hummingbird (SC)  
*Toxostoma redivivum* - California thrasher (SC)

### **Mammals**

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)  
*Eumops perotis californicus* - greater western mastiff-bat (SC)  
*Myotis ciliolabrum* - small-footed myotis bat (SC)  
*Myotis evotis* - long-eared myotis bat (SC)  
*Myotis thysanodes* - fringed myotis bat (SC)  
*Myotis volans* - long-legged myotis bat (SC)  
*Myotis yumanensis* - Yuma myotis bat (SC)  
*Neotoma fuscipes annectens* - San Francisco dusky-footed woodrat (SC)  
*Perognathus inornatus* - San Joaquin pocket mouse (SC)

### **Plants**

*Atriplex cordulata* - heartscale (SC)  
*Atriplex joaquiniana* - San Joaquin spearscale (=saltbush) (SC)  
*Blepharizonia plumosa ssp. plumosa* - big tarplant (SC)

*Calochortus pulchellus* - Mt. Diablo fairy-lantern (SLC)

*Cryptantha hooveri* - Hoover's cryptantha (SLC)

*Eschscholzia rhombipetala* - diamond-petaled California poppy (SC)

*Helianthella castanea* - Diablo helianthella (=rock-rose) (SC)

*Hesperolinon breweri* - Brewer's dwarf-flax (=western flax) (SC)

*Madia radiata* - showy (=golden) madia (SC)

*Malacothamnus hallii* (=M. fasciculatus) - Hall's bush mallow (SLC)

### Species with Critical Habitat Proposed or Designated in this Quad

Alameda whipsnake (T)

delta smelt (T)

vernal pool invertebrates (X)

vernal pool plants (X)

#### Key:

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**Federal Endangered and Threatened Species that  
may be Affected by Projects in the  
ANTIOCH NORTH 7 1/2 Minute Quad**

**Database Last Updated: August 20, 2003**

**Today's Date is: September 3, 2003**

**Listed Species**

**Invertebrates**

*Apodemia mormo langei* - Lange's metalmark butterfly (E)

*Branchinecta lynchi* - vernal pool fairy shrimp (T)

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

*Elaphrus viridis* - delta green ground beetle (T)

*Lepidurus packardi* - vernal pool tadpole shrimp (E)

**Fish**

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

*Oncorhynchus tshawytscha* - winter-run chinook salmon (E) (NMFS)

*Pogonichthys macrolepidotus* - Sacramento splittail (T)

**Amphibians**

*Rana aurora draytonii* - California red-legged frog (T)

**Reptiles**

*Thamnophis gigas* - giant garter snake (T)

**Birds**

*Haliaeetus leucocephalus* - bald eagle (T)

*Rallus longirostris obsoletus* - California clapper rail (E)

**Mammals**

*Neotoma fuscipes riparia* - riparian (San Joaquin Valley) woodrat (E)

*Reithrodontomys raviventris* - salt marsh harvest mouse (E)

*Sylvilagus bachmani riparius* - riparian brush rabbit (E)

*Vulpes macrotis mutica* - San Joaquin kit fox (E)

## Plants

*Cordylanthus mollis ssp. mollis* - soft bird's-beak (E)

*Erysimum capitatum ssp. angustatum* - Contra Costa wallflower (E)

*Lasthenia conjugens* - Contra Costa goldfields (E)

*Neostapfia colusana* - Colusa grass (T)

*Oenothera deltoides ssp. howellii* - Antioch Dunes evening-primrose (E)

## Proposed Species

### Amphibians

*Ambystoma californiense* - California tiger salamander (PT)

### Birds

*Charadrius montanus* - mountain plover (PT)

## Candidate Species

### Fish

*Acipenser medirostris* - green sturgeon (C)

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

## Species of Concern

### Invertebrates

*Aegialia concinna* - Ciervo aegialian scarab beetle (SC)

*Anthicus antiochensis* - Antioch Dunes anthicid beetle (SC)

*Anthicus sacramento* - Sacramento anthicid beetle (SC)

*Branchinecta mesovallensis* - Midvalley fairy shrimp (SC)

*Coelus gracilis* - San Joaquin dune beetle (SC)

*Cophura hurdi* - Antioch cophuran robberfly (SC)

*Efferia antiochi* - Antioch efferian robberfly (SC)

*Hydrochara rickseckeri* - Ricksecker's water scavenger beetle (SC)

*Hygrotus curvipes* - curved-foot hygrotus diving beetle (SC)

*Idiostatus middlekaufi* - Middlekauf's shieldback katydid (SC)

*Linderiella occidentalis* - California linderiella fairy shrimp (SC)

*Metapogon hurdi* - Hurd's metapogon robberfly (SC)

*Myrmosula pacifica* - Antioch mutillid wasp (SC)

*Perdita hirticeps luteocincta* - yellow-banded andrenid bee (SC)

*Perdita scitula antiochensis* - Antioch andrenid bee (SC)

*Philanthus nasilis* - Antioch sphecid wasp (SC)

## **Fish**

*Lampetra ayresi* - river lamprey (SC)

*Lampetra tridentata* - Pacific lamprey (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

## **Amphibians**

*Spea hammondi* - western spadefoot toad (SC)

## **Reptiles**

*Anniella pulchra pulchra* - silvery legless lizard (SC)

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Masticophis flagellum ruddocki* - San Joaquin coachwhip (=whipsnake) (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

**Birds**

- Agelaius tricolor* - tricolored blackbird (SC)
- Athene cunicularia hypugaea* - western burrowing owl (SC)
- Baeolophus inornatus* - oak titmouse (SLC)
- Branta canadensis leucopareia* - Aleutian Canada goose (D)
- Buteo regalis* - ferruginous hawk (SC)
- Buteo Swainsoni* - Swainson's hawk (CA)
- Calypte costae* - Costa's hummingbird (SC)
- Carduelis lawrencei* - Lawrence's goldfinch (SC)
- Chaetura vauxi* - Vaux's swift (SC)
- Elanus leucurus* - white-tailed (=black shouldered) kite (SC)
- Empidonax traillii brewsteri* - little willow flycatcher (CA)
- Falco peregrinus anatum* - American peregrine falcon (D)
- Grus canadensis tabida* - greater sandhill crane (CA)
- Lanius ludovicianus* - loggerhead shrike (SC)
- Laterallus jamaicensis coturniculus* - black rail (CA)
- Limosa fedoa* - marbled godwit (SC)
- Melanerpes lewis* - Lewis' woodpecker (SC)
- Melospiza melodia maxillaris* - Suisun song sparrow (SC)
- Numenius americanus* - long-billed curlew (SC)
- Picoides nuttallii* - Nuttall's woodpecker (SLC)
- Plegadis chihi* - white-faced ibis (SC)
- Riparia riparia* - bank swallow (CA)
- Selasphorus rufus* - rufous hummingbird (SC)
- Selasphorus sasin* - Allen's hummingbird (SC)

*Toxostoma redivivum* - California thrasher (SC)

## Mammals

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Neotoma fuscipes annectens* - San Francisco dusky-footed woodrat (SC)

*Perognathus inornatus* - San Joaquin pocket mouse (SC)

*Sorex ornatus sinuosus* - Suisun ornate shrew (SC)

## Plants

*Aster lentus* - Suisun Marsh aster (SC)

*Astragalus tener* var. *tener* - alkali milk-vetch (SC)

*Atriplex cordulata* - heartscale (SC)

*Atriplex depressa* - brittlescale (SC)

*Atriplex joaquiniana* - San Joaquin spearscale (=saltbush) (SC)

*Blepharizonia plumosa* ssp. *plumosa* - big tarplant (SC)

*Croton californicus* - California croton (SLC)

*Cryptantha hooveri* - Hoover's cryptantha (SLC)

*Eschscholzia rhombipetala* - diamond-petaled California poppy (SC)

*Fritillaria liliacea* - fragrant fritillary (= prairie bells) (SC)

*Isocoma arguta* - Carquinez goldenbush (SC)

*Lathyrus jepsonii* var. *jepsonii* - delta tule-pea (SC)

*Lilaeopsis masonii* - Mason's lilaeopsis (SC)

*Madia radiata* - showy (=golden) madia (SC)

*Plagiobothrys hystriculus* - bearded allocarya (popcorn-flower) (SC)

### Species with Critical Habitat Proposed or Designated in this Quad

Antioch Dunes evening-primrose (E)

Central Valley fall/late fall-run chinook (C)

Contra Costa wallflower (E)

delta smelt (T)

vernal pool invertebrates (X)

vernal pool plants (X)

winter-run chinook salmon (E)

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#### Key:

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**Federal Endangered and Threatened Species that  
may be Affected by Projects in the  
HONKER BAY 7 1/2 Minute Quad**

**Database Last Updated: August 20, 2003**

**Today's Date is: September 3, 2003**

**Listed Species**

**Invertebrates**

*Branchinecta lynchi* - vernal pool fairy shrimp (T)

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

*Elaphrus viridis* - delta green ground beetle (T)

**Fish**

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

*Oncorhynchus tshawytscha* - Central Valley spring-run chinook salmon (T) (NMFS)

*Pogonichthys macrolepidotus* - Sacramento splittail (T)

**Amphibians**

*Rana aurora draytonii* - California red-legged frog (T)

**Reptiles**

*Masticophis lateralis euryxanthus* - Alameda whipsnake (T)

*Thamnophis gigas* - giant garter snake (T)

**Birds**

*Haliaeetus leucocephalus* - bald eagle (T)

*Rallus longirostris obsoletus* - California clapper rail (E)

*Sterna antillarum (=albifrons) browni* - California least tern (E)

**Mammals**

*Neotoma fuscipes riparia* - riparian (San Joaquin Valley) woodrat (E)

*Reithrodontomys raviventris* - salt marsh harvest mouse (E)

*Sylvilagus bachmani riparius* - riparian brush rabbit (E)

### Plants

*Cordylanthus mollis ssp. mollis* - soft bird's-beak (E)

*Oenothera deltooides ssp. howellii* - Antioch Dunes evening-primrose (E)

### Proposed Species

#### Amphibians

*Ambystoma californiense* - California tiger salamander (PT)

#### Birds

*Charadrius montanus* - mountain plover (PT)

### Candidate Species

#### Fish

*Acipenser medirostris* - green sturgeon (C)

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

### Species of Concern

#### Invertebrates

*Anthicus antiochensis* - Antioch Dunes anthicid beetle (SC)

*Anthicus sacramento* - Sacramento anthicid beetle (SC)

*Branchinecta mesovallensis* - Midvalley fairy shrimp (SC)

*Coelus gracilis* - San Joaquin dune beetle (SC)

*Hydrochara rickseckeri* - Ricksecker's water scavenger beetle (SC)

*Hygrotus curvipes* - curved-foot hygrotus diving beetle (SC)

*Linderiella occidentalis* - California linderiella fairy shrimp (SC)

**Fish**

*Lampetra ayresi* - river lamprey (SC)

*Lampetra tridentata* - Pacific lamprey (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

**Amphibians**

*Spea hammondi* - western spadefoot toad (SC)

**Reptiles**

*Anniella pulchra pulchra* - silvery legless lizard (SC)

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Masticophis flagellum ruddocki* - San Joaquin coachwhip (=whipsnake) (SC)

*Phrynosoma coronatum frontale* - California horned lizard (SC)

**Birds**

*Agelaius tricolor* - tricolored blackbird (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Branta canadensis leucopareia* - Aleutian Canada goose (D)

*Buteo regalis* - ferruginous hawk (SC)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Cypseloides niger* - black swift (SC)

*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Grus canadensis tabida* - greater sandhill crane (CA)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Laterallus jamaicensis coturniculus* - black rail (CA)

*Limosa fedoa* - marbled godwit (SC)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Melospiza melodia maxillaris* - Suisun song sparrow (SC)

*Numenius americanus* - long-billed curlew (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Riparia riparia* - bank swallow (CA)

*Selasphorus rufus* - rufous hummingbird (SC)

*Selasphorus sasin* - Allen's hummingbird (SC)

## Mammals

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Neotoma fuscipes annectens* - San Francisco dusky-footed woodrat (SC)

*Perognathus inornatus* - San Joaquin pocket mouse (SC)

*Sorex ornatus sinuosus* - Suisun ornate shrew (SC)

## Plants

*Aster lentus* - Suisun Marsh aster (SC)

*Atriplex cordulata* - heartscale (SC)

*Blepharizonia plumosa ssp. plumosa* - big tarplant (SC)

*Lathyrus jepsonii var. jepsonii* - delta tule-pea (SC)

*Lilaeopsis masonii* - Mason's lilaeopsis (SC)

### Species with Critical Habitat Proposed or Designated in this Quad

Central Valley fall/late fall-run chinook (C)

delta smelt (T)

vernal pool invertebrates (X)

vernal pool plants (X)

winter-run chinook salmon (E)

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**Federal Endangered and Threatened Species that  
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JERSEY ISLAND 7 1/2 Minute Quad**

**Database Last Updated: August 20, 2003**

**Today's Date is: September 3, 2003**

**Listed Species**

**Invertebrates**

*Branchinecta lynchi* - vernal pool fairy shrimp (T)

*Desmocerus californicus dimorphus* - valley elderberry longhorn beetle (T)

*Elaphrus viridis* - delta green ground beetle (T)

*Lepidurus packardii* - vernal pool tadpole shrimp (E)

**Fish**

*Hypomesus transpacificus* - delta smelt (T)

*Oncorhynchus mykiss* - Central Valley steelhead (T) (NMFS)

*Oncorhynchus tshawytscha* - Central Valley spring-run chinook salmon (T) (NMFS)

*Pogonichthys macrolepidotus* - Sacramento splittail (T)

**Amphibians**

*Rana aurora draytonii* - California red-legged frog (T)

**Reptiles**

*Thamnophis gigas* - giant garter snake (T)

**Birds**

*Haliaeetus leucocephalus* - bald eagle (T)

*Rallus longirostris obsoletus* - California clapper rail (E)

**Mammals**

*Neotoma fuscipes riparia* - riparian (San Joaquin Valley) woodrat (E)

*Sylvilagus bachmani riparius* - riparian brush rabbit (E)

## Plants

*Cordylanthus mollis ssp. mollis* - soft bird's-beak (E)

*Oenothera deltooides ssp. howellii* - Antioch Dunes evening-primrose (E)

## Proposed Species

### Amphibians

*Ambystoma californiense* - California tiger salamander (PT)

### Birds

*Charadrius montanus* - mountain plover (PT)

## Candidate Species

### Fish

*Acipenser medirostris* - green sturgeon (C)

*Oncorhynchus tshawytscha* - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

## Species of Concern

### Invertebrates

*Anthicus antiochensis* - Antioch Dunes anthicid beetle (SC)

*Anthicus sacramento* - Sacramento anthicid beetle (SC)

*Branchinecta mesovallensis* - Midvalley fairy shrimp (SC)

*Linderiella occidentalis* - California linderiella fairy shrimp (SC)

### Fish

*Lampetra ayresi* - river lamprey (SC)

*Lampetra tridentata* - Pacific lamprey (SC)

*Spirinchus thaleichthys* - longfin smelt (SC)

### Amphibians

*Spea hammondi* - western spadefoot toad (SC)

## Reptiles

*Anniella pulchra pulchra* - silvery legless lizard (SC)

*Clemmys marmorata marmorata* - northwestern pond turtle (SC)

*Clemmys marmorata pallida* - southwestern pond turtle (SC)

*Masticophis flagellum ruddocki* - San Joaquin coachwhip (=whipsnake) (SC)

## Birds

*Agelaius tricolor* - tricolored blackbird (SC)

*Athene cunicularia hypugaea* - western burrowing owl (SC)

*Baeolophus inornatus* - oak titmouse (SLC)

*Branta canadensis leucopareia* - Aleutian Canada goose (D)

*Buteo regalis* - ferruginous hawk (SC)

*Buteo Swainsoni* - Swainson's hawk (CA)

*Calypte costae* - Costa's hummingbird (SC)

*Carduelis lawrencei* - Lawrence's goldfinch (SC)

*Chaetura vauxi* - Vaux's swift (SC)

*Elanus leucurus* - white-tailed (=black shouldered) kite (SC)

*Empidonax traillii brewsteri* - little willow flycatcher (CA)

*Falco peregrinus anatum* - American peregrine falcon (D)

*Grus canadensis tabida* - greater sandhill crane (CA)

*Lanius ludovicianus* - loggerhead shrike (SC)

*Laterallus jamaicensis coturniculus* - black rail (CA)

*Melanerpes lewis* - Lewis' woodpecker (SC)

*Numenius americanus* - long-billed curlew (SC)

*Picoides nuttallii* - Nuttall's woodpecker (SLC)

*Plegadis chihi* - white-faced ibis (SC)

*Riparia riparia* - bank swallow (CA)

*Selasphorus rufus* - rufous hummingbird (SC)

*Selasphorus sasin* - Allen's hummingbird (SC)

*Toxostoma redivivum* - California thrasher (SC)

## Mammals

*Corynorhinus (=Plecotus) townsendii townsendii* - Pacific western big-eared bat (SC)

*Eumops perotis californicus* - greater western mastiff-bat (SC)

*Myotis ciliolabrum* - small-footed myotis bat (SC)

*Myotis evotis* - long-eared myotis bat (SC)

*Myotis thysanodes* - fringed myotis bat (SC)

*Myotis volans* - long-legged myotis bat (SC)

*Myotis yumanensis* - Yuma myotis bat (SC)

*Neotoma fuscipes annectens* - San Francisco dusky-footed woodrat (SC)

*Perognathus inornatus* - San Joaquin pocket mouse (SC)

## Plants

*Aster lentus* - Suisun Marsh aster (SC)

*Atriplex joaquiniana* - San Joaquin sparscale (=saltbush) (SC)

*Lathyrus jepsonii* var. *jepsonii* - delta tule-pea (SC)

*Lilaeopsis masonii* - Mason's lilaeopsis (SC)

## Species with Critical Habitat Proposed or Designated in this Quad

Central Valley fall/late fall-run chinook (C)

delta smelt (T)

winter-run chinook salmon (E)

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(CA) Listed by the State of California but not by the Fish & Wildlife Service.

(D) Delisted - Species will be monitored for 5 years.

(SC) Species of Concern/(SLC) Species of Local Concern - Other species of concern to the Sacramento Fish Wildlife Office.

---

Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our list includes all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

This is *not* an official list for formal consultation under the Endangered Species Act. *However, it may be used to update official lists.*

If you have a project that may affect endangered species, please contact the Endangered Species Division, Sacramento Fish and Wildlife Office, U.S. Fish and Wildlife Service.





DEPARTMENT OF THE ARMY  
SAN FRANCISCO DISTRICT, CORPS OF ENGINEERS  
333 MARKET STREET  
SAN FRANCISCO, CALIFORNIA 94105-2197

JUL 10 2002

RECEIVED

JUL 12 2002

**PARSONS**  
San Francisco, CA

Regulatory Branch

Subject: File Number 26746S

Ms. Laura Prickett  
Parsons Transportation Group  
120 Howard Street, Suite 850  
San Francisco, California 94105

Dear Ms. Prickett:

Thank you for your submittal of March 15, 2002, requesting confirmation of the extent of Corps of Engineers jurisdiction at the State Route 4 Corridor Widening between 0.5 miles east of Railroad Avenue in Pittsburg to State Route 160 in Antioch, Contra Costa County, California.

Enclosed is a map showing the extent and location of Corps of Engineers jurisdiction on March 19, 2002. We have based this jurisdictional delineation on the current conditions of the site. A change in those conditions may also change the extent of our jurisdiction. This jurisdictional delineation will expire in five years from the date of this letter. However, if there has been a change in circumstances that affects the extent of Corps jurisdiction, a revision may be done before that date.

All proposed discharges of dredged or fill material into waters of the United States must be authorized by the Corps of Engineers pursuant to Section 404 of the Clean Water Act (CWA) (33 U.S.C. 1344). Waters of the United States generally include tidal waters, lakes, ponds, rivers, streams (including intermittent streams), and wetlands.

Your proposed work is within our jurisdiction and a permit may be required. Application for Corps authorization should be made to this office using the application form in the enclosed pamphlet. To avoid delays it is essential that you enter the file number at the top of this letter into Item No. 1. The application must include plans showing the location, extent and character of the proposed activity, prepared in accordance with the requirements contained in this pamphlet. You should note, in planning your work, that upon receipt of a properly completed application and plans, it may be necessary to advertise the proposed work by issuing a public notice for a period of 30 days.

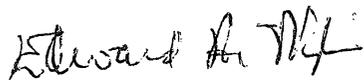
If an individual permit is required, it will be necessary for you to demonstrate to the Corps that your proposed fill is necessary because there are no practicable alternatives, as outlined in the U.S. Environmental Protection Agency's Section 404(b)(1) Guidelines. A copy is enclosed to aid you in preparation of this alternative analysis.

However, our nationwide or regional permits have already authorized certain activities provided specified conditions are met. Your completed application will enable us to determine whether your activity is already authorized. You are advised to refrain from commencement of your proposed activity until a determination has been made that it is covered by an existing permit. Commencement of work before you received our notification may be interpreted as a violation of our regulations.

You are advised that the Corps has established an Administrative Appeal Process, as described in 33 CFR Part 331 (65 FR 16,486; Mar. 28, 2000), and outlined in the enclosed flowchart and "Notification of Administrative Appeal Options, Process, and Request for Appeal" form (NAO-RFA). If you do not intend to accept the approved jurisdictional determination, you may elect to provide new information to the District Engineer for reconsideration or submit a completed NAO-RFA form to the Division Engineer to initiate the appeal process. You will relinquish all rights to appeal, unless the Corps receives new information or a completed NAO-RFA form within sixty (60) days of the date of the NAO-RFA.

If you have any questions, please call John Yeakel of our Regulatory Branch at telephone 415-977-8472. All correspondence should reference the file number at the head of this letter.

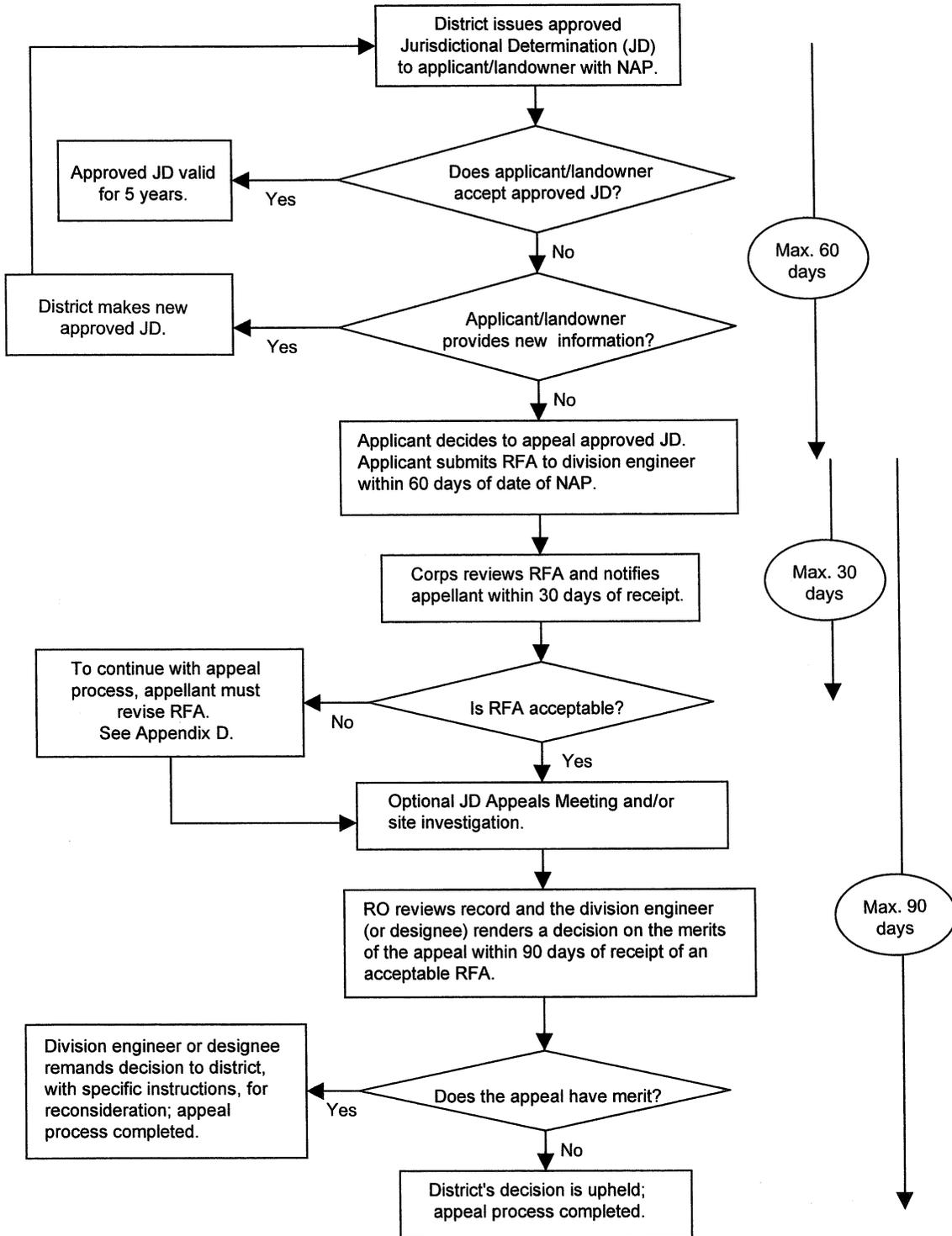
Sincerely,



 Calvin C. Fong  
Chief, Regulatory Branch

Enclosure

## Administrative Appeal Process for Approved Jurisdictional Determinations





**NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND  
REQUEST FOR APPEAL**

Applicant: California Department of Transportation		File Number: 26746S	Date: Jul 9, 2002
Attached is:			See Section below
	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)		A
	PROFFERED PERMIT (Standard Permit or Letter of permission)		B
	PERMIT DENIAL		C
X	APPROVED JURISDICTIONAL DETERMINATION		D
	PRELIMINARY JURISDICTIONAL DETERMINATION		E

**SECTION I -** The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at <http://usace.army.mil/inet/functions/cw/ccwo/reg> or Corps regulations at 33 CFR Part 331.

**A: INITIAL PROFFERED PERMIT:** You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

**B: PROFFERED PERMIT:** You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

**C: PERMIT DENIAL:** You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

**D: APPROVED JURISDICTIONAL DETERMINATION:** You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

**E: PRELIMINARY JURISDICTIONAL DETERMINATION:** You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

**SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT**

**REASONS FOR APPEAL OR OBJECTIONS:** (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

**ADDITIONAL INFORMATION:** The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

**POINT OF CONTACT FOR QUESTIONS OR INFORMATION:**

If you have questions regarding this decision and/or the appeal process you may contact:

Edward A. Wylie, South Section, Regulatory Branch  
U.S. Army Corps of Engineers, San Francisco District  
333 Market Street, San Francisco, CA 94105-2197

Tel. : (415) 977-8464 Fax: (415) 977-8343

If you only have questions regarding the appeal process you may also contact:

Douglas R. Pomeroy, Appeal Review Officer  
U.S. Army Corps of Engineers, South Pacific Division  
333 Market Street, San Francisco, CA 94105-2195

Tel.: (415) 977-8035 Fax: (415) 977-8047

**RIGHT OF ENTRY:** Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

\_\_\_\_\_  
Signature of appellant or agent.

Date:

Telephone number:

**DEPARTMENT OF TRANSPORTATION**

111 GRAND AVENUE  
P. O. BOX 23660  
OAKLAND, CA 94623-0660  
PHONE (510) 622-8729  
FAX (510) 286-6374  
TTY (800) 735-2929



*Flex your power!  
Be energy efficient!*

April 28, 2004

Mr. Daniel Buford  
United States Fish and Wildlife Service  
Sacramento Fish and Wildlife Office  
2800 Cottage Way  
Sacramento, California 95825

Subject: State Route 4 (East) Widening Project: Lovridge Road to State Route 160  
Natural Environment Study/Biological Assessment

Dear Mr. Buford:

The Contra Costa Transportation Authority (CCTA), in conjunction with the Federal Highway Administration (FHWA) and the California Department of Transportation (Caltrans), has prepared a Natural Environment Study/Biological Assessment that identifies impacts to the natural environment for the above-referenced State Route 4 (East) Widening Project. The NES/BA was prepared for an Environmental Assessment/Initial Study that evaluates the environmental effects of the proposed project. This NES/BA is attached for your review.

The proposed project involves widening State Route 4 (SR 4) from the existing four lanes to eight lanes (three mixed-flow and one High Occupancy Vehicle [HOV] lane in each direction) from the Lovridge Road Interchange through the Hillcrest Avenue Interchange. Improvements would include redesigning and reconstructing interchanges, adding auxiliary lanes between on- and off-ramps, widening pedestrian undercrossings, and extending drainage facilities. Sufficient width would be preserved in the median through the Lovridge Interchange for future public transit (by others).

A characterization of the natural environments within the SR 4 project corridor and vicinity was conducted by Parsons' Biologists, under contract with Contra Costa Transportation Authority, on May 22, 2001, and on July 22, 24, and 25, 2002. The primary purpose of the field work was to identify plant communities, sensitive plant species, jurisdictional waters, and suitable habitat for special-status species. The surveys were focused on the areas within the proposed project right-of-way. However, wetland delineations extended outside this envelope, and plant communities and incidental sightings of resources in the immediate project vicinity were also recorded.

A delineation of wetlands and other waters of the U.S. was conducted within the project corridor by Parsons' Biologists on May 16, 2001, August 1, 2001, October 24, 2001, and February 25, 2002. The U.S. Army Corps of Engineers (ACOE) returned its jurisdictional determination on July 10, 2002. A total of 1.04 acres of jurisdictional wetlands and other waters of the U.S. occur within the proposed project vicinity. The Build Alternative would impact approximately 0.45 acres of these wetlands. Habitat values of these wetland sites are limited by the lack of connectivity with other habitats and the lack of significant upland-wetland ecotones or riparian vegetation.

Two day and two night surveys for the California red-legged frog (CRLF) and western pond turtle were conducted on May 6th and 7th, and June 10th and 26th of 2003 by Parsons' Biologists. The suitability of

Mr. Daniel Buford  
April 28, 2004  
Page 2

habitat for giant garter snake (GGS) was also assessed at this time. No CRLF, GGS, or pond turtle were identified in any areas surveyed. The project area contains only low quality, marginal habitat that lacks connectivity to other wetland habitats. Based on this information, Caltrans has determined that this project is not likely to adversely affect any listed or candidate species that is protected by the Endangered Species Act. Caltrans kindly requests your concurrence with this finding and that you sign the concurrence portion of this letter below and return a copy of the signed letter so that we may include it in the environmental document.

If you have any questions or comments, please do not hesitate to call Ahmad Hashemi, Senior Biologist, at (510) 286-5961.

Sincerely,



Jeffrey G. Jensen  
District Office Chief  
Office of Biological Sciences and Permits  
District 4, Oakland

Cc: Steve Helo FHWA  
Susan Miller CCTA

Attachment: Natural Environmental Study/Biological Assessment

USFWS Concurrence

Signed: \_\_\_\_\_  
Date: \_\_\_\_\_

**DEPARTMENT OF TRANSPORTATION**

111 GRAND AVENUE  
P. O. BOX 23660  
OAKLAND, CA 94623-0660  
PHONE (510) 622-8729  
FAX (510) 286-6374  
TTY (800) 735-2929



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April 28, 2004

Terry Roscoe  
Supervising Habitat Conservationist  
California Department of Fish and Game  
Sacramento Valley/Central Sierra Region  
1701 Nimbus Rd.  
Rancho Cordova, CA 95670

Subject: State Route 4 (East) Widening Project: Loveridge Road to State Route 160  
Natural Environment Study/Biological Assessment

Dear Ms. Roscoe:

The Contra Costa Transportation Authority (CCTA), in conjunction with the Federal Highway Administration (FHWA) and the California Department of Transportation (Caltrans), has prepared a Natural Environment Study/Biological Assessment that identifies impacts to the natural environment for the above-referenced State Route 4 (East) Widening Project. The NES/BA was prepared for an Environmental Assessment/Initial Study that evaluates the environmental effects of the proposed project. Ms. Jenny Marr of the California Department of Fish and Game advised that you were the proper authority with whom to discuss the proposed project and directed us to send a letter and the attached NES/BA to you for your review.

The proposed project involves widening State Route 4 (SR 4) from the existing four lanes to eight lanes (three mixed-flow and one High Occupancy Vehicle [HOV] lane in each direction) from the Loveridge Road Interchange through the Hillcrest Avenue Interchange. Improvements would include redesigning and reconstructing interchanges, adding auxiliary lanes between on- and off-ramps, widening pedestrian undercrossings, and extending drainage facilities. Sufficient width would be preserved in the median through the Loveridge Interchange for future public transit (by others).

A characterization of the natural environments within the SR 4 project corridor and vicinity was conducted by Parsons' Biologist, under contract with Contra Costa Transportation Authority, on May 22, 2001, and on July 22, 24, and 25, 2002. The primary purpose of the field work was to identify plant communities, sensitive plant species, jurisdictional waters, and suitable habitat for special-status species. The surveys were focused on the areas within the proposed project right-of-way. However, wetland delineations extended outside this envelope, and plant communities and incidental sightings of resources in the immediate project vicinity were also recorded.

A delineation of wetlands and other waters of the U.S. was conducted within the project corridor by Parsons' Biologists on May 16, 2001, August 1, 2001, October 24, 2001, and February 25, 2002. The United States Army Corps of Engineers (ACOE) returned its jurisdictional determination on July 10, 2002. A total of 1.04 acres of jurisdictional wetlands and other waters of the U.S. occur within the proposed project vicinity. The Build Alternative would impact approximately 0.45 acres of these wetlands. Habitat values of these wetland sites are limited by the lack of connectivity with other habitats and the lack of significant upland-wetland ecotones or riparian vegetation.

Mr. Terry Roscoe  
April 28, 2004  
Page 2

Two day and two night surveys for the California red-legged frog (CRLF) and western pond turtle were conducted on May 6th and 7th, and June 10th and 26th of 2003 by Parsons' Biologists. The suitability of habitat for giant garter snake (GGS) was also assessed at this time. No CRLF, GGS, or pond turtle were identified in any areas surveyed. The project area contains only low quality, marginal habitat that lacks connectivity to other wetland habitats. Based on this information, Caltrans has determined that the SR 4 East Project is not likely to adversely affect any listed species that is protected by the State and Federal Endangered Species Acts.

Caltrans kindly requests your concurrence with this finding and that you sign the concurrence portion of this letter below. Caltrans acknowledges that this project requires a "CDFG Streambed Alteration Agreement." The proper application form will be submitted for your review and approval prior to the onset of roadway construction.

If you have any questions or comments, please do not hesitate to call Ahmad Hashem, Senior Biologist, at (510) 286-5961.

Sincerely,



Jeffrey G. Jensen  
District Office Chief  
Office of Biological Sciences and Permits  
District 4, Oakland

Cc: Steve Helo      FHWA  
    Susan Miller     CCTA  
    Jenny Marr        CDFG

Attachment: Natural Environmental Study/Biological Assessment

CDFG Concurrence

Signed: \_\_\_\_\_  
Date: \_\_\_\_\_

**DEPARTMENT OF TRANSPORTATION**

111 GRAND AVENUE  
P. O. BOX 23660  
OAKLAND, CA 94623-0660  
PHONE (510) 622-8729  
FAX (510) 286-6374  
TTY (800) 735-2929



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April 28, 2004

Mr. Gary Stern  
San Francisco Bay Team Leader  
United States Department of Commerce  
National Oceanic and Atmospheric Administration  
National Marine Fisheries Office  
777 Sonoma Ave. Room 325  
Santa Rosa, CA 95404

Subject: State Route 4 (East) Widening Project: Loveridge Road to State Route 160  
Natural Environment Study/Biological Assessment Contra Costa County

Dear Mr. Stern:

As per your conversation with Duette Smith of Parsons, on October 1, 2003, we are sending you information regarding the above-referenced State Route 4 (East) Widening Project in Contra Costa County. We appreciate your consideration in the matter of this project.

The Contra Costa Transportation Authority (CCTA), in conjunction with the Federal Highway Administration (FHWA) and the California Department of Transportation (Caltrans), has prepared a Natural Environment Study/Biological Assessment for the above-referenced State Route 4 (East) Widening Project. The NES/BA was prepared for an Environmental Assessment/Initial Study that evaluates the environmental effects of the proposed project.

The proposed project involves widening State Route 4 (SR 4) from the existing four lanes to eight lanes (three mixed-flow and one High Occupancy Vehicle [HOV] lane in each direction) from the Loveridge Road Interchange through the Hillcrest Avenue Interchange. Improvements would include redesigning and reconstructing interchanges, adding auxiliary lanes between on- and off-ramps, widening pedestrian undercrossings, and extending drainage facilities. Sufficient width would be preserved in the median through the Loveridge Interchange for future public transit (by others).

A characterization of the natural environments within the SR 4 project corridor and vicinity was conducted by Parsons' Biologists, under contract with Contra Costa Transportation Authority, on May 22, 2001, and on July 22, 24, and 25, 2002. The primary purpose of the field work was to identify plant communities, sensitive plant species, jurisdictional waters, and suitable habitat for special-status species. The surveys focused on the areas within the proposed project right-of-way. However, the wetland delineations extended outside this envelope, and plant communities and incidental sightings of resources in the immediate project vicinity were also recorded.

A delineation of wetlands and other waters of the U.S. was conducted by Parsons' Biologists on May 16, 2001, August 1, 2001, October 24, 2001, and February 25, 2002, in accordance with the Routine On-Site Determination Method as defined by the United States Army Corps of Engineers (ACOE). The ACOE returned its jurisdictional determination on July 10, 2002. A total of 1.04 acres of jurisdictional wetlands

Mr. Gary Stern  
April 28, 2004  
Page 2

and other waters of the U.S. occur within the proposed project vicinity. The Build Alternative would impact approximately 0.45 acres of these wetlands.

Jurisdictional waters in the SR 4 vicinity occur at:

- West Kirker Creek;
- East Kirker Creek;
- An unnamed drainage located east of Loveridge Road;
- Los Medanos Wasteway;
- Markley Creek;
- West Antioch Creek; and
- East Tributary of East Antioch Creek.

Based on a search of the California Natural Diversity Database, Parsons' Biologists determined that the following anadromous fish species could occur in or near the jurisdictional waters associated with SR 4: Central Valley Steelhead, Winter-run chinook salmon, Central Valley spring-run Chinook, and Central Valley fall/late fall run chinook.

However, field assessments determined that the jurisdictional waters within the project area contain only low quality, marginal habitat. Old Kirker Creek and the drainage associated with it contain man-made concrete/secrete culverts. All of the creeks have a silted substrate and lack the gravel beds required for anadromous fish reproduction. The hydrology of the creeks do not allow for a high flow of water on a year-round basis, further lowering the habitat quality.

Christine Atkinson, Area Biologist with the California Department of Fish and Game, was contacted for consultation regarding the occurrence of anadromous fish in the waters within the SR 4 vicinity. Ms. Atkinson stated that neither steelhead nor chinook salmon were known to occur in any of the creeks within the project vicinity. She further stated that the habitat was unsuitable for steelhead and salmon and she would not expect anadromous fish to utilize the habitats in their present condition. Although the K. C. Watershed Group has planned to restore the habitat for amphibian species that occur there, there are no plans to restore habitat for anadromous fish populations. Based on this information, Caltrans has determined that the SR 4 East Project is not likely to adversely affect any listed fish species protected by the Endangered Species Act. Caltrans kindly requests your concurrence with this finding and that you sign the concurrence portion of this letter below and return a copy so that we may include it in the environmental document.

If you have any questions or comments, please do not hesitate to call Ahmad Hashemi, Senior Biologist, at (510) 286-5961.

Sincerely,



Jeffrey G. Jensen  
District Office Chief  
Office of Biological Sciences and Permits  
District 4, Oakland

Cc: Steve Helo                      FHWA  
    Susan Miller                    CCTA  
    Christine Atkinson            CDFG

Mr. Gary Stern  
April 28, 2004  
Page 3

Attachment: Natural Environmental Study/Biological Assessment

NOAA Fisheries Concurrence

Signed: \_\_\_\_\_  
Date: \_\_\_\_\_





**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
NATIONAL MARINE FISHERIES SERVICE  
Southwest Region  
501 West Ocean Boulevard, Suite 4200  
Long Beach, California 90802-4213

June 1, 2004

In reply please refer to:  
151422SWR04SR9275: ES

Jeffrey Jensen, Chief  
Office of Biological Sciences and Permits  
California Department of Transportation  
District 4 – Oakland  
111 Grand Avenue  
Oakland, California 94623-0660

Dear Mr. Jensen:

Thank you for your letter of April 28, 2004, requesting concurrence with your determination that construction activities associated with the Highway 4 (East) Widening Project in Contra Costa County, California, are not likely to adversely affect salmonids listed under the Endangered Species Act. In response to your request, the National Marine Fisheries Service (NOAA Fisheries) has examined the project's potential effects on threatened Central Valley steelhead (*Oncorhynchus mykiss*, 63 FR 13347), endangered Sacramento River winter-run Chinook salmon (*Oncorhynchus tshawytscha*, 59 FR 440), and its designated critical habitat (58 FR 33212) and on threatened Central Valley spring-run Chinook salmon (64 FR 50394).

The California Department of Transportation (Caltrans) and the Federal Highway Administration (FHWA) propose to widen Highway 4 from its current four lanes to an eight-lane facility, providing three mixed-flow and one High Occupancy Vehicle lane in each direction, extending from 1.3 kilometers west of Loveridge Road to 1.2 km east of Hillcrest Avenue. As part of the project, all interchanges within the project limits will be reconstructed. Highway 4 crosses several small streams within the project area, including East and West Kirker Creeks, Markley Creek, and West Antioch Creek. Available information indicates that these creeks do not currently support anadromous runs of listed salmonids.

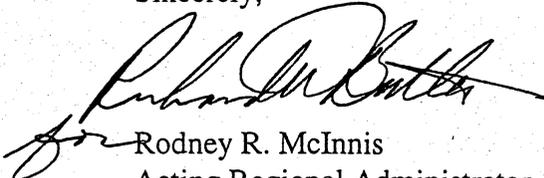
Based on the project description provided in your letter and on the best available information, NOAA Fisheries has determined that this project is not likely to adversely affect listed salmonids because listed salmon and steelhead do not occur within the action area of the proposed project. This concludes consultation in accordance with 50 CFR §402.14(b)(1) for the proposed Highway 4 (East) Widening Project in Contra Costa County, California. However, further consultation



may be required if (1) new information becomes available indicating that listed species may be adversely affected by the project in a manner not previously considered, or (2) current project plans change in a manner that affects listed species.

Please contact Mr. Erik Schmidt at (707) 575-6083 if you have any questions regarding this consultation.

Sincerely,



Rodney R. McInnis  
Acting Regional Administrator

cc: Jim Lecky, NOAA Fisheries-Long Beach  
Steve Helo, FHWA-Sacramento  
Kristine Atkinson, CDFG-Santa Cruz



Kelly R. Heidecker  
8579 Elk Way  
Elk Grove, CA 95624  
(916) 296-0096  
(916) 405-4011  
kelly@krmplanning.com

October 30, 2003

Debbie Tredway-Pilas  
Native American Heritage Commission  
915 Capitol Mall, Room 364  
Sacramento CA 95814

RE: State Route 4 (East) Widening Project: Loveridge Road to State Route 160

Dear Ms. Tredway-Pilas,

The Contra Costa Transportation Authority (CCTA) has contracted with Parsons and its subconsultants to prepare a cultural resources study for the above referenced project. The California Department of Transportation (Caltrans) is the lead agency for purposes of Section 106 consultation for this project.

In bringing this proposed activity to your attention, we would like to request a search of your Sacred Lands files for any information you can provide regarding prehistoric, historic, and/or ethnographic land use within the vicinity of the project area. We are also interested in contemporary Native American values that may be present within or near the project area as well as any concerns that the Native American community may have about the project.

Please refer to the enclosed map for project location. The project is located on the Antioch North and Antioch South U.S.G.S. topographic quadrangles.

Please contact me at my office if you have any comments or questions.

Sincerely,

A handwritten signature in black ink that reads 'Kelly R. Heidecker'.

Kelly Heidecker  
Cultural Resources Specialist  
KRM Planning

KH

enc: map



## NATIVE AMERICAN HERITAGE COMMISSION

915 CAPITOL MALL, ROOM 304  
SACRAMENTO, CA 95814  
(916) 653-4082  
Fax (916) 657-5390  
Web Site www.nahc.ca.gov



November 18, 2003

Kelly Heidecker  
KRM Planning  
8579 Elk Way  
Elk Grove, Ca 95624

Sent by Fax: 916-296-0096  
No of Pages 2

RE: Proposed State Route 4 Widening Project: Loveridge Road to State Route 160, Contra  
Costa County

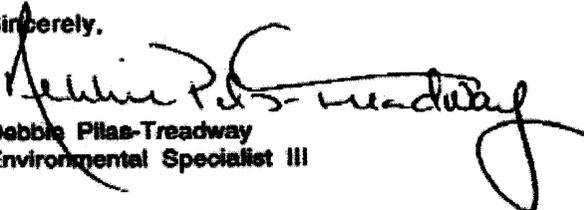
Dear Ms. Heidecker:

A record search of the sacred land file has failed to indicate the presence of Native American cultural resources in the immediate project area. The absence of specific site information in the sacred lands file does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Enclosed is a list of Native Americans individuals/organizations who may have knowledge of cultural resources in the project area. The Commission makes no recommendation or preference of a single individual, or group over another. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend other with specific knowledge. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 653-4038.

Sincerely,

  
Debbie Pilae-Treadway  
Environmental Specialist III

**NATIVE AMERICAN CONTACTS**  
**Contra Costa County**  
**November 17, 2003**

Katherine Erolinda Perez  
1234 Luna Lane  
Stockton , CA 95206  
(209) 462-2680

Ohlone/Costanoan  
Northern Valley Yokut  
Bay Miwok

The Ohlone Indian Tribe  
Andrew Galvan  
PO Box 3152  
Mission San Jose , CA 94539  
(510) 656-0787 - Voice  
(510) 882-0527 - Cell  
(510) 656-0780 - Fax  
chochenyo@AOL.com

Ohlone/Costanoan  
Bay Miwok  
Plains Miwok  
Patwin

Trina Marine Ruano Family  
Ramona Garibay, Representative  
16101 5th Street  
Lathrop , CA 95330  
(510) 792-1642  
(510) 673-5029 - Cell

Ohlone/Costanoan  
Bay Miwok  
Plains Miwok  
Patwin

**This list is current only as of the date of this document.**

**Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7608.5 of the Health and Safety Code, Section 5007.24 of the Public Resources Code and Section 6007.08 of the Public Resources Code.**

**This list is only applicable for contacting local Native Americans with regards to cultural resources assessment for the proposed State Route 4 Widening project: Leverage Road to State Route 168, Contra Costa County**

**Kelly R. Heidecker**  
8579 Elk Way  
Elk Grove, CA 95624  
(916) 296-0096  
(916) 405-4011  
kelly@krmplanning.com

---

November 20, 2003

Sherine Erolinda Perez  
84 Luna Lane  
Stockton, CA 95206

RE: State Route 4 (East) Widening Project: Loveridge Road to State Route 160

Dear Ms. Perez,

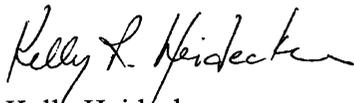
The Contra Costa Transportation Authority (CCTA) has contracted with Parsons and its subconsultants to prepare a cultural resources study for the above referenced project. The California Department of Transportation (Caltrans) is the lead agency for purposes of National Historic Preservation Act (NHPA) Section 106 consultation for this project.

Pursuant to 36CFR 800.2 of the Section 106 regulations, we are bringing the proposed project to your attention and ask that you contact one of the individuals listed below to share your concerns regarding the proposed project and its potential effects on Native American resources in the area.

Please refer to the enclosed map for project location. The project is located on the Antioch North and Antioch South U.S.G.S. topographic quadrangles.

Please contact myself or Lissa McKee, Caltrans Environmental Branch Manager, with your concerns. Ms. McKee can be reached at Caltrans District 4, P.O. Box 23660, Oakland, CA 94623-0660, or she can be reached by phone at 510-286-4444.

Sincerely,



Kelly Heidecker  
Cultural Resources Specialist  
KRM Planning

KH

enc: map



Kelly R. Heidecker  
8579 Elk Way  
Elk Grove, CA 95624  
(916) 296-0096  
(916) 405-4011  
kelly@krmplanning.com

---

November 20, 2003

Armona Garibay, Representative  
Marina Marine Ruano Family  
101 5<sup>th</sup> Street  
Athrop, CA 95330

RE: State Route 4 (East) Widening Project: Loveridge Road to State Route 160

Dear Ms. Garibay,

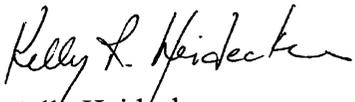
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Sincerely,



Kelly Heidecker  
Cultural Resources Specialist  
KRM Planning

KH

enc: map



**Kelly R. Heidecker**  
8579 Elk Way  
Elk Grove, CA 95624  
(916) 296-0096  
(916) 405-4011  
kelly@krmplanning.com

---

November 20, 2003

Andrew Galvan  
The Ohlone Indian Tribe  
PO Box 3152  
Mission San Jose, CA 94539

RE: State Route 4 (East) Widening Project: Loveridge Road to State Route 160

Dear Mr. Galvan,

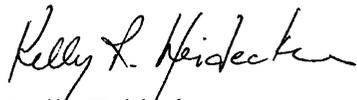
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Sincerely,



Kelly Heidecker  
Cultural Resources Specialist  
KRM Planning

KH

enc: map



Partners  
**Rand F. Herbert**  
**Stephen R. Wee**  
**Meta Bunse**

August 14, 2003

Contra Costa County Historical Society  
610 Main Street  
Martinez, California 94553

RE: State Route 4 (East) Widening Project: Loveridge Road to State Route 160

To Whom It May Concern:

As you may already know, the Contra Costa County Transportation Authority (CCCTA), in conjunction with Caltrans and the Federal Highway Administration (FHWA), proposes to improve State Route 4 (SR 4) from west of the Loveridge Road Interchange to east of the Hillcrest Avenue Interchange to ease congestion, accommodate future travel demand, encourage carpooling during commute hours, improve traffic operations and safety, reduce vehicular traffic on local streets, reduce energy use, encourage public transit use, and reduce corridor air pollution. Two alternatives are under consideration, a No-Build and a Build Alternative, as described below. The general project area is depicted on the enclosed map.

### **No-Build Alternative**

The No-Build Alternative offers a basis for comparison with the Build Alternative in the future analysis year of 2030. It assumes no major construction on SR 4 through the project limits other than planned and programmed improvements and continued routine maintenance. Planned and programmed improvements (that is, funded and approved projects) included in the No-Build Alternative incorporate the following projects contained in the 2001 five-year Regional Transportation Plan (RTP), as follows:

- Widen SR 4 to six mixed-flow lanes and add two High Occupancy Vehicle (HOV) lanes from Bailey Road to Railroad Avenue, and restripe for HOV lanes from SR 242 to Bailey Avenue (construction completed);
- Widen SR 4 to six mixed-flow lanes and add two HOV lanes through the Railroad Avenue Interchange, stopping west of Loveridge Road (currently under construction);
- Widen SR 4 to six mixed-flow lanes from Loveridge Road to the SR 160 / Hillcrest Avenue Interchange;
- The SR 4 Bypass, Phase 1, which would include constructing a four-lane facility from SR 4 to Lone Tree Way, constructing a two-lane facility from Lone Tree Way to Walnut Boulevard, upgrading Marsh Creek Road; constructing a partial freeway-to-freeway interchange on SR 4 one mile east of Hillcrest Avenue, and constructing a partial interchange on SR 4 at Lone Tree Way;
- The SR 4 Bypass, Segment 1, which includes completing the interchanges on SR 4 at Laurel Road and Lone Tree Way; and
- The SR 4 Bypass, Segment 2, which would widen SR 4 to four lanes from Lone Tree Way to Balfour Road.

Also included in the No-Build Alternative are a number of locally-sponsored projects for improving the local arterial network, including widening of portions of the Pittsburg-Antioch Highway and Somersville Road.

### **Build Alternative**

The proposed State Route 4 (East) Widening Project would widen SR 4 from its current four lanes to an eight-lane facility providing three mixed-flow and one High Occupancy Vehicle (HOV) lane in each direction. The project limits would extend from approximately 1.33 kilometers (km) west of the Loveridge Road Interchange to approximately 1.24 kilometers east of the Hillcrest Avenue Interchange and would conform to improvements currently being constructed under the Route 4 / Railroad Avenue Interchange Project (by others) at the west end and under the proposed SR 4 Bypass Project (by others) to the east. Widening SR 4 under the Build Alternative would require reconstruction of interchanges within the project limits and would include the addition of auxiliary lanes between interchanges to facilitate on and off traffic movements.

The mainline alignment would be shifted southward of the existing right-of-way (r/w) west of Loveridge Road, northward between Loveridge Road and Century Boulevard, and then remain within the existing r/w for the remainder of the project corridor. Interchange improvements, however, would exceed the existing r/w at the following locations: Loveridge Road, Somersville Road, Contra Loma Boulevard–L Street, Lone Tree Way–A Street, and Hillcrest Avenue.

The median would be widened to accommodate a future extension of BART or other transit service (as a separate project by others) eastward from the current Pittsburg / Bay Point terminus station generally as far east as the Loveridge Road Interchange, where the future transit alignment would exit the median, pursuant to the *SR 4 East Corridor Transit Study*, (CCTA and BART, 2002). At the western project limit, the median would be 41.7 meters wide, which conforms to improvements at the SR 4 / Railroad Avenue Interchange, currently under construction, and would taper to 19.4 meters wide east of Loveridge Road. The widened SR 4 median would narrow to 10.8 meters approximately 700 meters to the east of the Loveridge Road Interchange and then narrow to 7.8 m between L Street and G Street. East of G Street, the median widens to 10.8 m and continues at this width to the eastern proposed project limit.

Auxiliary lanes would connect on-ramps to off-ramps between interchanges along the SR 4 project corridor, conforming at the west to those auxiliary lanes proposed under the Route 4 / Railroad Avenue Interchange Project (by others). On-ramps would be designed to accommodate future ramp metering, HOV preferential lanes, and CHP enforcement areas (by others).

SR 4 widening would require reconstruction of undercrossings, overcrossings, and interchanges within the project limits. At the SR 4 / Loveridge Road Interchange, the overcrossing would be reconstructed, the Stoneman Spur railroad underpass removed, and the interchange ramps reconstructed. To accommodate the planned widening of Century Boulevard (by others), the existing single-span structures carrying SR 4 over Century Boulevard would be replaced by two-span structures, while Century Boulevard would be lowered by 0.6 meter. The Lone Tree Way–A Street undercrossing structures would be widened. The Somersville Road and Contra Loma Boulevard–L Street undercrossing structures would be reconstructed. The southbound Hillcrest Avenue overcrossing would be reconstructed. The ramps to and from the east at the SR 4 / G Street Interchange would be eliminated, and replacement access would be provided at the SR 4 / Contra Loma–L Street Interchange.

In addition, the SR 4 (East) Widening Project would construct retaining walls throughout much of the corridor to minimize new right-of-way requirements. The Roosevelt Lane pedestrian undercrossing and the Cavallo Road undercrossing would be widened, and existing box culverts at Kirker Creek, Old Kirker Creek and the Los Medanos Wasteway would be extended. The

utilities undercrossing just west of Century Boulevard would be widened, and the existing pump station draining the depressed mainline at the Loveridge Road overcrossing would be relocated.

JRP Historical Consulting has been retained to study the historic/architectural and engineering resources in the proposed project area to determine if any historic properties are potentially eligible for the National Register of Historic Places or the California Register of Historical Resources. We have reviewed national, state, and local historic properties inventories, and historians and architectural historians are evaluating the historic architectural properties for this project. If you or your organization has any concerns regarding specific historic resources within the project area, please respond in writing to me at the above address citing your concerns within the next thirty days.

Sincerely,



Meta Bunse  
Project Manager

cc:

Contra Costa County Planning Dept.  
255 Glacier Drive  
Martinez, CA. 94553

Antioch Historical Society  
1500 West 4th Street  
Antioch, CA 94531

Antioch Planning Commission  
P.O. Box 5007  
Antioch, CA 94531-5007

East Contra Costa Historical Society  
P.O. Box 202  
Brentwood, CA 94513

Pittsburg Planning Commission  
65 Civic Avenue  
Pittsburg, CA 94565

Pittsburg Historical Society  
515 Railroad Avenue  
Pittsburg, CA 94565

Pittsburg Historical Society Museum  
40 Civic Ave.  
Pittsburg, CA 94565



**OFFICE OF HISTORIC PRESERVATION  
DEPARTMENT OF PARKS AND RECREATION**

P.O. BOX 942896  
SACRAMENTO, CA 94296-0001  
(916) 653-6624 Fax: (916) 653-9824  
calshpo@ohp.parks.ca.gov  
www.ohp.parks.ca.gov



July 22, 2004

REPLY TO: FHWA040624A

Brian Ramos, Chief, Office of Cultural Resource Studies  
California Department of Transportation  
P.O. Box 23660  
OAKLAND CA 94623-0660

Re: State Route 4 (East) Widening Project, Loveridge Road to State Route 160, Antioch,  
Contra Costa County.

Dear Mr. Ramos:

Thank you for submitting to our office your June 22, 2004 letter, Historic Property Survey Report (HPSR), Historic Resources Evaluation Report (HRER), and Archeological Survey (ASR), regarding the proposed widening of State Route (SR) 4 (East) from Loveridge Road to SR160 in the City of Antioch, Contra Costa County. The proposed project would widen SR 4 from west of the Loveridge Road Interchange to east of the Hillcrest Avenue Interchange to ease congestion, accommodate future travel demand, encourage carpooling during commute hours, improve traffic operations and safety, reduce vehicular traffic on local streets, reduce energy use, encourage public transit use, and reduce corridor air pollution. I concur with Caltrans' determination that this property is ineligible for inclusion on the National Register of Historic Places (NRHP) under any of the criteria established by 36 CFR 60.4.

Pursuant to stipulation VIII.C.5. of the *"Programmatic Agreement (PA) among the Federal Highway Administration, the Advisory Council on Historic Preservation, the California State Historic Preservation Officer, and the California Department of Transportation Regarding Compliance with Section 106 of the National Historic Preservation Act, as it Pertains to the Administration of the Federal-Aid Highway Program in California"* (PA), Caltrans is seeking my comments on its determination of 185 pre-1957 architectural properties located within the project APE for inclusion on the National Register of Historic Places (NRHP). A review of the submitted HPSR and HRER leads me to concur with Caltrans' determination that none of the aforementioned properties is eligible for inclusion on the NRHP under any of the criteria established by 36 CFR 60.4. The properties have no strong associations with significant historical events or persons, and are not examples of outstanding architectural design or function. In addition, I concur that the refuse scatter located within the archaeological APE is likewise not NRHP eligible. I further acknowledge Caltrans' finding, pursuant to Stipulation IX.A.2. of the PA, of "No Historic Properties Affected" for this undertaking.

Finally, I wish to thank you for explaining in your transmittal letter that the documented studies prepared for this undertaking and the APE delineation occurred before the PA went into effect.

Mara Melandry  
July 22, 2004  
Page 2

FHWA040624A

Thank you again for seeking my comments on your project. If you have any questions, please contact staff historian Clarence Caesar by phone at (916) 653-8902, or by e-mail at [ccaes@ohp.parks.ca.gov](mailto:ccaes@ohp.parks.ca.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "M. Donaldson" with a stylized flourish at the end.

Milford Wayne Donaldson, FAIA  
State Historic Preservation Officer

**COMMUNITY DEVELOPMENT**

P.O. Box 5007, Antioch, CA 94531-5007

August 16, 2004

Ms. Susan H. Miller  
Contra Costa Transportation Authority  
3478 Buskirk Avenue, Suite 100  
Pleasant Hill, California 94523

Subject: State Route 4 East Widening Project: Loveridge Road to SR 160

Dear Ms. Miller:

The City of Antioch recognizes the State Route 4 East (SR 4) Widening Project: Loveridge Road to SR 160, which will widen SR 4 to provide an additional through traffic lane and a high occupancy vehicle (HOV) lane in each direction within the project limits. The City of Antioch has long planned for this highway widening project by reserving a 50' by 550' parcel of a non-recreation designated use along the northern lanes of SR 4 for freeway widening. I have enclosed a copy of the portion of the Contra Loma Estates, Unit 5 subdivision map that created this reservation for your information. Although this reservation runs contiguous to the Contra Loma Estates Park, it is not part of the park, contains no park facilities or landscape improvements, and does not provide park access. Furthermore, the City has provided for a landscaped buffer between the park and the SR 4 widening easement. The use of this strip of land for SR 4 widening is consistent with the City's planning since before the park was developed.

The City of Antioch acknowledges that the 50' by 550' strip of land adjacent to the Caltrans right-of-way for SR 4 is not significant for non-highway uses. The use of this land for SR 4 widening will not constitute a use of parkland, nor will it impair the recreational uses or enjoyment of the Contra Loma Estates Park. The City of Antioch, which is the agency of jurisdiction owning, operating and maintaining the Contra Loma Estates Park, and I, as the official having jurisdiction over non-maintenance aspects of the park, concur in this use of this reservation, which was specifically reserved for freeway widening.

Very truly yours,

A handwritten signature in black ink, appearing to read "J. Brandt", is written over a horizontal line.

Joseph G. Brandt, PE  
City Engineer/Community Development Director

Enclosure: Sheet 3, Contra Loma Estates, Unit 5





