

Project Identifiers	
WDID No:	SB 10006IN
Reg. Meas. ID:	
Place ID:	
Party ID:	
USACOE No:	SPN-2010-00056 S
Other File No:	

PROJECT INFORMATION	
Details	
Application Received Date:	September 27, 2010
Application Completed Date:	March 30, 2010
Additional Info Completed Date:	March 30, 2010
Applicant:	California Dept. of Transportation (Caltrans)
Applicant Representative(s):	Cyrus Vafai
Project Title:	Interstate Highway 580 Eastbound Truck Climbing Lane
Regulating Water Board:	State Water Resources Control Board
Type of Project:	Highway (freeway) widening.
Project Description:	
<p>Caltrans proposes to widen Interstate Highway 580 (I-580) in Alameda County to provide a truck climbing lane (outside lane) in the east bound direction over Altamont Pass from the Greenville Road interchange in the City of Livermore to approximately one mile east of North Flynn Road interchange in unincorporated Alameda County, including addition of 3,040 feet of upslope retaining walls. Total length of the project is approximately 3.3 miles.</p>	
Location	
City:	Rural
County:	Alameda
Cross Streets:	Between Livermore/Greenville Road and North Flynn Road interchanges (Altamont Pass) on Interstate 580
Section, Township, Range:	Section 36 of Township 2 S, Range 2 E and Sections 31, 32, 33, and 28 of Township 2 S, Range 3 E, Altamont USGS Quad
Zip code:	94551 (nearest street location in Livermore)
Directions:	Project area is within the I-580 ROW, starting just east of the town of Livermore at North Greenville Road, and ending approx. 3.5 miles east of the starting point near Grant Line Road.
Latitude(s) and Longitude(s):	Latitude 37.73.00, Longitude 121.65.00 (approximate location at project center)
Public Notice	
<p>Water Board Public Notice: Information regarding this project was noticed on the State Water Board's website from Dec. 6, 2010 (corrected Jan. 14, 2011) to March 30, 2011.</p> <p><input checked="" type="checkbox"/> No Comments were received. <input type="checkbox"/> NA Comments were responded to in writing.</p>	
Fees	
<p>Application Fee Provided: A certification fee of \$805.00 was submitted on Oct. 19, 2010 as required by 23 CCR §3833b(2)(A) and by 23 CCR § 2200(e). An additional fee of <u>N.A.</u> (IF APPLICABLE) to offset additional design impacts was received on <u>N.A.</u> as required by 23 CCR §3833b(2)(A) and by 23 CCR § 2200(e).</p>	

Hydrologic Information	
Receiving Water(s):	See attached supplemental information (p. 9 of this document)
Hydrologic Unit(s):	
Water Body Type(s):	

Designated Beneficial Use(s) (see supplement, p. 9)											
	AGR		COMM		FRSH		MIGR		RARE		SPWN
	AQUA		CUL		GWR		MUN		REC-1		WARM
	ASBS		EST		IND		NAV		REC-2		WET
	BIOL		FISH		LWRM		POW		SAL		WILD
	COLD		FLD		MAR		PRO		SHELL		WQE

Candidate, Sensitive, or Special Status Species
<p>California Red-legged frog, California tiger salamander, San Joaquin kit fox. No listed plants affected.</p>

Other Permits/Licenses/Agreements/Plans
Federal (Type and Permit/License Number): <ul style="list-style-type: none"> U.S. Army Corps of Engineers File No. SPN-2010-00056 S – Nationwide Permit 14 – Linear Transportation Projects U.S. Fish and Wildlife Service Biological Opinion, Sept. 1, 2010, file no. 81420-2009-F-1287-2 Amendment to U.S. Fish and Wildlife Service Biological Opinion, Sept. 1, 2010, file no. 81420-2009-F-1287-R001
State (Type and Permit/License/Agreement Number): <ul style="list-style-type: none"> California Department of Fish and Game Incidental Take Permit ("2081 Permit") – In Review Caltrans General Stormwater NPDES Permit – 99-06-DWQ
Other County, City, etc. (Type and Permit/License Number):

Any Required Documents or Plan Submittals (SWPPP, Mitigation & Monitoring, etc.)

1. Project Registration Documents (PRDs) as required under the Stormwater Construction General Permit (CGP) shall be submitted electronically to the State Board to obtain coverage under the new CGP prior to commencement of construction. The applicant shall notify the State Water Board 401 certification staff when this submittal is complete.
2. A stormwater and impervious surfaces treatment plan has been submitted to the State Water Board (Att. E to the Certification).
3. An Off-Site Mitigation Project Plan will be prepared as described in Attachment E to the Certification. This plan, including a monitoring plan, will be prepared subject to approval by the State Water Board.
4. An Off-Site Mitigation Project Cooperative Agreement for implementation of the Off-Site Mitigation Project, as described in Attachment E to the Certification, will be prepared subject to approval by the State Water Board.

NEPA and/or CEQA Compliance

Document type:	Mitigated Negative Declaration
Lead Agency:	California Department of Transportation
Date completed:	February 2, 2010
State Clearinghouse Number:	SCH# 2009082067

IMPACTS

Describe Potential Water Quality Impacts:

Temporary impacts to 252 linear feet (0.0136 acres) of ephemeral watercourses are expected, primarily by construction activity at culvert outlets, including culvert replacement work. A wetland occurring at the edge of the existing freeway shoulder, 0.0552 acres will be eliminated by the project. This wetland area emerges from an artificial cut bank, and was created by the construction of the existing road, and currently provides minimal wetland functions. The site is too small to run CRAM or other assessments, but would score very low if systematically assessed due to the high degree of stressors on the site.

Final Project Impacts (Fill)*

Waterbody Type	Permanent			Temporary		
	Acres**	Linear Feet	Cubic Yards	Acres**	Linear Feet	Cubic Yards
Lake						
Ocean						
Riparian						
Streambed				0.0136	252	NA
Vernal Pool						
Wetland	0.0552		NA			

* Include all three measurements (acres, linear feet and cubic yards) for all federal and non-federal waterbody types.

** Provide acres to three decimal places (e.g., 0.006).

Final Project Impacts (Dredge*/Excavation)**

Waterbody Type	Permanent	Temporary
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	Acres***	Linear Feet	Cubic Yards	Acres***	Linear Feet	Cubic Yards
<i>Lake</i>						
<i>Ocean</i>						
<i>Riparian</i>						
<i>Streambed</i>				0.0136	252	NA
<i>Vernal Pool</i>						
<i>Wetland</i>						
<p>* For projects that will occur annually please provide the total volume to be dredged for the entire certification period (typically 5 years).</p> <p>** Include all three measurements (acres, linear feet and cubic yards) for all federal and non-federal waterbody types.</p> <p>*** Provide acres to three decimal places (e.g., 0.006).</p>						

Impact Comparison*								
	Fill				Dredge			
	Permanent		Temporary		Permanent		Temporary	
	Initial	Final	Initial	Final	Initial	Final	Initial	Final
<i>Impacts (Acres)**</i>	0.0552	0.0552	0.0136	0.0136			0.0136	0.0136
<p>* Include impacts to both federal and non-federal waters.</p> <p>** Provide acres to three decimal places (e.g., 0.006).</p>								

MITIGATION

Describe Avoidance and Minimization for Impacts to Waters:

Due to site constraints, avoidance is not feasible. Project minimizes the foot print as much as is practicable within national highway engineering standards.

Describe Compensatory Mitigation for Impacts to Waters (temporary and permanent):

Compensatory mitigation for permanent impacts to 0.0552 acres to a wetland area in the Las Positas Creek watershed section of the project shall be provided in the form of an off-site mitigation project to be completed as a part of a program to enhance and restore creek and riparian habitat and improve water quality along Arroyo Mocho, an intermittent creek within the Alameda Creek watershed. The *Arroyo Mocho at Stanley Boulevard Revegetation Program* will be implemented in an approximately 5,000 linear foot section of Arroyo Mocho between Isabel Avenue and North Murrieta Boulevard, near Livermore, Contra Costa County, as described in the Off-Site Mitigation Project Proposal. In the context of this project, at least 0.200 acres of wetland and aquatic emergent vegetation will be planted to mitigate for the loss of a .0552 acre wetland due to the construction of the Department's Interstate 580 Eastbound Truck Climbing Lane project. This provides a 3.6:1 ratio, and contributes to identified watershed management goals for the project area. This project has been approved by SF Bay Regional Board staff as meeting that region's mitigation expectations. The project area is the property of Zone 7 Water Agency of Alameda County (Zone 7) which will be under binding agreement with Caltrans to manage the property in perpetuity for the mitigation purposes described.

Compensatory Mitigation (Proponent Provided)

Waterbody Type	Acres Established		Acres Restored		Acres Enhanced		Acres Preserved	
	Temp.*	Perm.	Temp.*	Perm.	Temp.*	Perm.	Temp.*	Perm.
Lake								
Ocean								
Riparian								
Streambed				0.20				
Vernal Pool								
Wetland								

* Report as mitigation for temporary impacts at a 1:1 ratio any required conditions to restore the site (e.g., re-vegetating or re-contouring).

Compensatory Mitigation (Mitigation Bank)

Waterbody Type	Acres Established	Acres Restored	Acres Enhanced	Acres Preserved
Lake				
Ocean				
Riparian				
Streambed				
Vernal Pool				
Wetland				

Compensatory Mitigation (In-Lieu)

Waterbody Type	Acres Established	Acres Restored	Acres Enhanced	Acres Preserved
Lake				
Ocean				

<i>Riparian</i>				
<i>Streambed</i>				
<i>Vernal Pool</i>				
<i>Wetland</i>				

Proponent Provided Mitigation Information (If Applicable)*		
	Site 1	Site 2
Mitigation Site Location(s):	Parallel to East Stanley Blvd., between Isabel Ave (SR84) Murrieta in Livermore, CA	
Mitigation Site Lat/Long(s)	37° 40'40.7" N 121° 47'49.36" W	
Name of Watershed & Hydrologic Unit:	San Francisco Bay HUC 18050004	
Mitigation Site City and County:	Livermore, Alameda County	

*If more than two sites, please provide additional information in the additional information table located at the end of this form.

Mitigation Bank Information (If Applicable)*		
	Bank 1	Bank 2
Mitigation Bank Name:		
Name of Mitigation Bank Operator:		
Address of Mitigation Bank Office:		
Mitigation Bank Location(s):		
Mitigation Bank Lat/Long(s)		
Name of Watershed & Hydrologic Unit:		
Mitigation Bank City and County:		
Mitigation purchase amount (\$):		

*If more than two sites, please provide additional information in the additional information table located at the end of this form.

In-Lieu Mitigation Information (If Applicable)*		
	Program 1	Program 2
Name of approved in-lieu fee mitigation sponsor:		
Address of In-lieu mitigation sponsor:		
Description of in-lieu mitigation arrangements:		
In-lieu mitigation location:		
In-lieu mitigation Lat/Long(s):		
In-lieu mitigation City and County:		
Name of Watershed & Hydrologic Unit		

*If more than two sites, please provide additional information in the additional information table located at the end of this form.

Additional Mitigation Information (Proponent, Bank, or In-Lieu)		
	Site 1	Site 2
Mitigation Site Name:	Arroyo Mocho at Stanley Blvd.	
Name of Mitigation Site Operator:	Zone 7 Water Agency, under binding agreement with Department of Transportation	
Address of Mitigation Site Office:	100 North Canyons Pkwy. Livermore, CA 94551-9486	
Mitigation Site Location(s):	Parallel to East Stanley Blvd, between Isabel Ave. (SR84) and Murrieta Blvd.	

	in Livermore, CA.	
Mitigation Site Lat/Long(s)	37° 40'40.7"N 121° 47'49.36"W	
Name of Watershed & Hydrologic Unit:	San Francisco Bay HUC 18050004	
Mitigation Site City and County:	Livermore, Alameda County	
Mitigation purchase amount (\$):	NA – no purchase	



SUPPLEMENT TO ATTACHMENT B: PROJECT INFORMATION SHEET

California Department of Transportation (Caltrans) Interstate 580 Eastbound Truck Climbing Lane

HYDROLOGIC INFORMATION:

Hydrologic Information: SF Bay Region	
Receiving Water(s):	Arroyo Los Positas, tributary to Alameda Creek and South Bay Basin Hydrologic Unit
Hydrologic Unit(s):	204.30
Water Body Type(s):	Stream

Designated Beneficial Use(s)												
	AGR		COMM		FRSH	E	MIGR		RARE	E	SPWN	
	AQUA		CUL	E	GWR		MUN	E	REC-1	P	WARM	
	ASBS		EST		IND		NAV	E	REC-2		WET	
	BIOL		FISH		LWRM		POW		SAL	E	WILD	
P	COLD		FLD		MAR		PRO		SHELL		WQE	

P = Potential Beneficial Use; L = Limited Beneficial Use; E = Existing Beneficial Use

Source: San Francisco Bay Water Quality Control Region Basin Plan

Hydrologic Information: Central Valley Region	
Receiving Water(s):	Mountain House Creek, tributary to Old River and Delta
Hydrologic Unit(s):	543.0 – North Diablo Range Hydrologic Unit
Water Body Type(s):	stream

Designated Beneficial Use(s)												
E ¹	AGR		COMM		FRSH		MIGR		RARE		SPWN	
	AQUA		CUL		GWR	E	MUN	E ²	REC-1	E	WARM	
	ASBS		EST		IND		NAV	E	REC-2		WET	
	BIOL		FISH		LWRM		POW		SAL	E	WILD	
	COLD		FLD		MAR		PRO		SHELL		WQE	

1: AGR uses listed for irrigation and stock watering

2: REC1 listed for contact only, not for canoeing/rafting

Source: Central Valley Water Quality Control Region Basin Plan