## EXHIBIT 6-A PRELIMINARY ENVIRONMENTAL STUDY (PES)

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Proje	ect C	Descripti	on as Shov	wn in RTP and	I FST	IP:								
				<b>1:</b> (Describe the jing areas, disposa									ired right	of way
							(Co	ntinue desc	rintion o	n "Not	os" sl	neet, last page of	this Frhil	nit if necessary
Preli	mina	ary Desi	gn Informa	tion:			(00	minuc aese	ripiion or	1 1101	CS SI	icei, iusi puge oj	inis Exiic	ii, ij necessary,
Does	the	project i	nvolve any	of the following				appropria	ite boxe	es and	l deli	neate on an at	tached	map,
plan, <b>Yes</b>		ayout inc	luding any	additional per	inent Yes		rmation.			Yes	No			
			xisting road				Ground dist	urbance				Easements		
		Increase New alig		hrough lanes	$\Box$		Road cut/fil Excavation:		tad			Equipment sta Temporary ac		d/detour
			increasing-	—other	Ш	Ш	maximum d		<u></u>			Utility reloca		d/dctour
			annelization				Drainage/cu	-				Right of way (if yes, attach	acquisit	
		Realignr					Flooding pr	otection						
		Ramp or Bridge v	street closu vork	re			Stream char	nnel work				Disposal/borr	ow sites	
							Pile driving					Part of larger	adjacen	t project
		Vegetati Tree ren	on removal				Demolition					Railroad		
_		1120 1011			_									

Regional map	Re	quired Attachments:										
GeoTracker Printout for Hazardous Materials (http://geotracker.waterboards.ca.gov/).		Regional map	Project location map	Project footprint map (exi	sting/pr	oposed right of w	ay)					
Federal Threatened and Endangered Species List from USFWS (https://ecos.fws.gov/ipac/).   Federal Threatened and Endangered Species List from NMFS (https://www.westcoast.fisheries.noaa.gov/maps_data/california_species_list_tools.html).   Current Photos of Project Site												
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Current Photos of Project Site   FEMA map   VIA Questionnaire  Examine the project for potential effects on the environment, direct or indirect and answer the following questions. The "construction area," as specified below, includes all areas of ground disturbance associated with the project, including staging and stockpiling areas and temporary access roads.  Each answer must be briefly documented on the "Notes" pages at the end of the PES Form.  A. Potential Environmental Effects  Yes To Be Dotorminod  General  1. Will the project require future construction to fully utilize the design capabilities included in the proposed project?  2. Will the project generate public controversy?  Noise  3. Is the project a Type I project as defined in 23 CFR 772.5(h); "construction on new location or the physical alteration of an existing highway, which significantly changes either the horizontal or vertical alignment or increases the number of through-traffic lanes."  4. Does the project have the potential for adverse construction-related noise impact (such as related to pile driving)?  4. To the project exempt from the requirement that a conformity determination be made? (If "Yes," state which conformity exemption per 40 CFR 93.126, or 40 CFR 93.128) (check one box below and identify the project type if applicable):  40 CFR 93.126 Project type:  40 CFR 93.127, Table 3 applies):  8. If project in a nestage fund an on-artainment/maintenance area?  Is project in a nestage fund an on-artainment/maintenance area?  18. Is the project in a recompt from regional conformity, (If "Yes," state which conformity exemption in 40 CFR 93.126, or 40 CFR 93.128)  (check one box below and identify the project type:  40 CFR 93.127, Table 3 applies):  8. If project in a nestage fund an on-artainment/maintenance area?  19. Is there potential for hazardous materials (including underground or aboveground tanks, etc.) or hazardous waste (including oil/water separators, waste oil, ashestos-containing material, lead-hased paint, ADL, etc.) within		Federal Threatened and En	ndangered Species List from USFWS (http:	//ecos.fws.gov/ipac/).								
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	_11.											

Coastal Zone		
12. Is the project within the State Coastal Zone, San Francisco Bay, or Suisun Marsh?		
Floodplain		
13. Is the construction area located within a regulatory floodway or within the base floodplain (100-year) elevation of a watercourse or lake?		
Wild and Scenic Rivers		
14. Is the project within or immediately adjacent to a Wild and Scenic River System?		
Biological Resources		
15. Is there a potential for federally listed threatened or endangered species, or their critical habitat or essential fish habitat to occur within or adjacent to the construction area?		
16. Does the project have the potential to directly or indirectly affect migratory birds, or their nests or eggs (such as vegetation removal, box culvert replacement/repair, bridge work, etc.)?		
17. Is there a potential for wetlands to occur within or adjacent to the construction area?		
18. Is there a potential for agricultural wetlands to occur within or adjacent to the construction area?		
19. Is there a potential for the introduction or spread of invasive plant species?		
Sections 4(f) and 6(f)		
20. Are there any historic sites or publicly owned public parks, recreation areas, wildlife or waterfowl refuges (Section 4[f]) within or immediately adjacent to the construction area?		
21. Does the project have the potential to affect properties acquired or improved with Land and Water Conservation Fund Act (Section 6[f]) funds?		
Visual Resources		
22. Does the project have the potential to affect any visual or scenic resources?		
Relocation Impacts		
23. Will the project require the relocation of residential or business properties?		
(If the answer to questions 23-32 is "yes," then Title VI Implementation and outreach may be triggered)		
Land Use, Community, and Farmland Impacts		
24. Will the project require any right of way, including partial or full takes? Consider construction easements and utility relocations.		
25. Is the project inconsistent with plans and goals adopted by the community?		
26. Does the project have the potential to divide or disrupt neighborhoods/communities?		
27. Does the project have the potential to disproportionately affect low-income and minority populations?		
28. Will the project require the relocation of public utilities?		
29. Will the project affect access to properties or roadways?		
30. Will the project involve changes in access control to the State Highway System (SHS)?		
31. Will the project involve the use of a temporary road, detour, or ramp closure?		
32. Will the project reduce available parking?		
33. Will the project construction encroach on state or federal lands?		
34. Will the project convert any farmland to a different use or impact any farmlands?		
Cultural Resources		
35. Is there National Register listed, or potentially eligible historic properties, or archaeological resources within or immediately adjacent to the construction area? (Note: Caltrans PQS answers question #35)		
36. Is the project adjacent to, or would it encroach on Tribal land?		

В.	Required Technical Studies and Analyses	C.	Coordination	D.	es, coordination, permits, or approvals.  Anticipated Actions/Permits/Approvals
	Traffic				
	Check one:				
	☐ Traffic Study		Caltrans		Approval
	☐ Technical Memorandum		Caltrans		Approval
	☐ Discussion in ED Only		Caltrans		Approval
	Noise				
	Check as applicable:				
	☐ Traffic Related				
	Construction Related				
	Check one:				
	☐ Noise Study Report		Caltrans		Approval
	□ NADR		Caltrans		Approval
	☐ Technical Memorandum		Caltrans		Approval
	☐ Discussion in ED Only		Caltrans		Approval
	Air Quality				
	Check as applicable:				
	☐ Traffic Related				
	☐ Construction Related				
	Check one:				
	☐ Air Quality Report		Caltrans		Approval
	☐ Technical Memorandum		Caltrans		Approval
	☐ Discussion in ED Only		Caltrans		Approval
			FHWA		Conformity Finding (23 USC 327 CEs, EAs, EISs)
			Caltrans		Conformity Finding (23 USC 326 CEs)
			Regional Agency		PM10/PM2.5 Interagency Consultation
	Hazardous Materials/				
	Hazardous Waste				
	Check as applicable:			l	
	☐ Initial Site Assessment (Phase 1)		Caltrans		Approval
	Preliminary Site Assessment (Phase 2)		Caltrans		Approval
	☐ Discussion in ED Only		Caltrans		Approval
			Cal EPA DTSC		Review Database
			Local Agency		Review Database
	Water Quality/Resources				
	Check as applicable:				
	Water Quality Assess. Report		Caltrans		Approval
	Technical Memorandum		Caltrans		Approval
	☐ Discussion in ED Only		Caltrans		Approval
	Sole-Source Aquifer				
	(Districts 5, 6 and 11)		EPA (S.F. Regional Office)		Approval of Analysis in ED
	Coastal Zone		CCC		Coastal Zone Consistency Determination

В.	Required Technical Studies and Analyses	C.	Coordination	D.	Anticipated Actions/Permits/Approvals
	Floodplain				
	Check as applicable:				
	☐ Location Hydraulic Study		Caltrans		Approval
	☐ Floodplain Evaluation Report		Caltrans		Approval
	Summary Floodplain Encroachment Report		Caltrans		Approval
			Caltrans		Only Practicable Alternative Finding
			FHWA		Approves significant encroachments and concurs in Only Practicable Alternative Findings
	Wild and Scenic Rivers		River Managing Agency		Wild and Scenic Rivers Determination
	Biological Resources				
	Check as applicable:				
	☐ NES, Minimal Impact		Caltrans		Approval
	☐ NES				
	☐ BA		Caltrans		Approves for Consultation
			USFWS		Section 7 Informal/Formal Consultation
			NOAA Fisheries		
	☐ EFH Evaluation		NOAA Fisheries		MSA Consultation
	☐ Bio-Acoustic Evaluation		NOAA Fisheries		Approval
	☐ Technical Memorandum		Caltrans		Approval
	Wetlands				
	Check as applicable:				
	☐ WD and Assessment		Caltrans		Approval
			ACOE		Wetland Verification
		Щ	NRCS		Agricultural Wetland Verification
		Ш	Caltrans		Wetlands Only Practicable Alternative Finding
	Invasive Plants	<u> </u>		<u> </u>	
	☐ Discussion in ED Only		Caltrans		Approval
	Section 4(f)				
	Check as applicable:				
			Caltrans		Determine Temporary Occupancy
	De minimis		Caltrans		De minimis finding
	Programmatic 4(f) Evaluation		Caltrans		Approval
	Type:				
	☐ Individual 4(f) Evaluation		Caltrans		Approval
			Agency with Jurisdiction		
			SHPO		
			DOI		
			HUD		
			USDA		

В.	Required Technical Studies and Analyses	C.	Coordination	D.	Anticipated Actions/Permits/Approvals
	Section 6(f)		Agency with Jurisdiction		
			NPS		Determines Consistency with Long-Term Management Plan
			NPS		Approves Conversion
	Visual Resources				
	☐ Technical		Caltrans		Approval
	☐ Memorandum 8		Caltrans		Approval
	☐ Moderate VIA		Caltrans		Approval
	Advance/Complex VIA		Caltrans		Approval
	Relocation Impacts				
	Check one:			1_	
	Relocation Impact Memo		Caltrans		Approval
	Relocation Impact Study		Caltrans		Approval
	Relocation Impact Report		Caltrans		Approval
	Land Use and				
	Community Impacts				
	Check one:			1_	
	CIA		Caltrans	$\perp \perp$	Approval
	Technical Memorandum		Caltrans	$\perp \perp$	Approval
	☐ Discussion in ED Only		Caltrans		Approval
Ш	Construction/Encroachment				
	on State Lands				
	Check as applicable:		ar c		ar a r
	SLC Jurisdiction		SLC	$+ \vdash$	SLC Lease  Encroachment Permit
	Caltrans Jurisdiction  SP Jurisdiction	片片	Caltrans SP	+	Encroachment Permit  Encroachment Permit
_	Construction/Encroachment		SF	$+$ $\Box$	Encroachment Permit
Ш	on Federal Lands				
	on rederal Lands		Federal Agency with Jurisdiction		Encroachment Permit
$\overline{}$	Construction/Encroachment		Bureau of Indian Affairs	+	Right of Way Permit
	On Indian Trust Lands		Dureau of Indian Affairs		Right of way Permit
	Farmlands				
	Check one:	_		1_	
	☐ CIA	Ļ <u>□</u>	Caltrans	$\perp \perp$	Approval
	Technical Memorandum	$\sqcup$	Caltrans	$\perp \! \! \perp$	Approval
	☐ Discussion in ED Only		Caltrans		Approval
	Check as applicable:				
	☐ Form AD 1006	屵	NRCS	1 📙	Approves Conversion
		$\sqcup$	CDOC		Approves Conversion
	Conversion to Non-Agri Use		ACOE		

В.	Required Technical Studies and Analyses	C.	Coordination	D.	Anticipated Actions/Permits/ Approvals
	Cultural Resources				
	(PQS completes this section)				
			Caltrans PQS		Screened Undertaking
	☐ APE Map		Caltrans PQS and DLAE		Approves APE Map
			Local Preservation Groups and/or Native American Tribes		Provides Comments Regarding Concerns with Project
	☐ HPSR ☐ ASR ☐ HRER		Caltrans		Approves for Consultation
	☐ Finding of Effect Report		Caltrans		Concurs on No Effect, No Adverse Effect with Standard Conditions
			SHPO		Letter of Concurrence on Eligibility, No Adverse Effect without Standard
	☐ MOA		Caltrans		Approves MOA
			SHPO		Approves MOA
			ACHP (if requested)		Approves MOA
	Permits				
	Copies of permits and a list of		ACOE		Section 404 Nationwide Permit
	mitigation commitments are		ACOE		Section 404 Individual Permit
	mandatory submittals following		Caltrans/ACOE/EPA		NEPA/404 Integration MOU
	NEPA approval.		USFWS		
			NOAA Fisheries		
			ACOE		Rivers and Harbors Act Section 10 Permit
		Ш	USCG		USCG Bridge Permit
			RWQCB		Section 401 Water Quality Certification
			CDFW		Section 1602 Streambed Alteration Agreement
			RWQCB		NPDES Permit
			CCC		Coastal Zone Permit
			Local Agency		
		$\Box$	BCDC		BCDC Permit

**Notes:** Additional studies may be required for other federal agencies.

ACHP	=	Advisory Council on Historic Preservation	HRER	=	Historical Resources Evaluation Report
ACOE	=	U.S. Army Corps of Engineers	HUD	=	U.S. Housing and Urban Development
ADL	=	Aerially Deposited Lead	MOA	=	Memorandum of Agreement
APE	=	Area of Potential Effect	MSA	=	Magnuson-Stevens Fishery Conservation and
APN	=	Assessor Parcel Number			Management Act
ASR	=	Archaeological Survey Report	NEPA	=	National Environmental Policy Act
BA	=	Biological Assessment	NADR	=	Noise Abatement Decision Report
BCDC	=	Bay Conservation and Development Commission	NES	=	Natural Environment Study
BE	=	Biological Evaluation	NHPA	=	National Historic Preservation Act
ВО	=	Biological Opinion	NOAA	=	National Oceanic and Atmospheric Administration
Cal EPA	=	California Environmental Protection Agency	NMFS		National Marine Fisheries Service
CCC	=	California Coastal Commission	NPDES	=	National Pollutant Discharge Elimination System
CDFW	=	California Department of Fish and Wildlife	NPS	=	National Park Service
CDOC	=	California Department of Conservation	NRCS	=	Natural Resources Conservation Service
CE	=	Categorical Exclusion	PM10	=	Particulate Matter 10 Microns in Diameter or Less
CIA	=	Community Impact Assessment	PM2.5	=	Particulate Matter 2.5 Microns in Diameter or Less
CWA	=	Clean Water Act	PMP	=	Project Management Plan
DLAE	=	District Local Assistance Engineer	PQS	=	Professionally Qualified Staff
DOI	=	U.S. Department of Interior	ROD	=	Record of Decision
DTSC	=	Department of Toxic Substances Control	RTIP	=	Regional Transportation Improvement Program
EA	=	Environmental Assessment	RTP	=	Regional Transportation Plan
ED	=	Environmental Document	RWQCB	=	Regional Water Quality Control Board
EFH	=	Essential Fish Habitat	SER	=	Standard Environmental Reference
EIS	=	Environmental Impact Statement	SEP	=	Senior Environmental Planner
EPA	=	U.S. Environmental Protection Agency	SHPO	=	State Historic Preservation Officer
FEMA	=	Federal Emergency Management Agency	SLC	=	State Lands Commission
FHWA	=	Federal Highway Administration	SP	=	State Parks
FONSI	=	Finding of No Significant Impacted	TIP	=	Transportation Improvement Program
FTIP	=	Federal Transportation Improvement Program	USCG	=	U.S. Coast Guard
HPSR	=	Historic Property Survey Report	USDA	=	U.S. Department of Agriculture
			USFWS	=	U.S. Fish and Wildlife Service
			WD	=	Wetland Delineation

E.	Preliminary Environmental Document Classification (NEPA)
	Based on the evaluation of the project, the environmental document to be developed should be:
	Check one:
	Environmental Impact Statement (Note: Engagement with participating agencies in accordance with 23 USC 139 required)
	Compliance with 23 USC 139 regarding Participating Agencies required
	Complex Environmental Assessment
	Routine Environmental Assessment
	Categorical Exclusion without required technical studies.
	Categorical Exclusion with required technical studies
	(if Categorical Exclusion is selected, check one of the following):
	Section 23 USC 326
	23 CFR 771 activity (c)()
	23 CFR 771 activity (d) ()
	Activity listed in the Section 23 USC 326
	Section 23 USC 327
_	<del>_</del>
F.	Public Availability and Public Hearing
	Check as applicable:
	Not Required
	Notice of Availability of Environmental Document
	Public Meeting
	Notice of Opportunity for a Public Hearing
	Public Hearing Required
G.	Signatures
	Local Agency Staff and/or Consultant Signature
_	
	(Signature of Preparer) (Date) (Telephone No.)
	(Name)
	Local Agency Project Engineer Signature
	This document was prepared under my supervision, according to the <i>Local Assistance Procedures Manual</i> , Exhibit 6-B,
	"Instructions for Completing the Preliminary Environmental Study Form."
_	(Signature of Local Agency) (Date) (Telephone No.)

Caltrans District Professionally Qualified Staff (PQS) Si	ignature	
Project does not meet definition of an "undertaking"; no furt #35).	her review is necessary und	der Section 106 ("No" Section A,
Project is limited to the type of activity listed in Attachment provided in the PES Form, the project does not have the potential of the project does not have the project does not h		
Project is limited to the type of activity listed in Attachment procedures or information is needed to determine the potential Records Search	2 of the Section 106 PA, b	ut the following additional
Project meets the definition of an "undertaking"; all properties Attachment 4 of the Section 106 PA ("No" Section A, #35).	es in the project area are ex	tempt from evaluation per
The proposed undertaking is considered to have the potential compliance are indicated in Sections B, C, and D of this PES		
(Signature of Professionally Qualified Staff)	(Date)	(Telephone No.)
sufficient. I concur with the studies to be performed and the reco		
(Signature of Senior Environmental Planner or Designee)	(Date)	(Telephone No.)
(Name)		
(Signature of District Local Assistance Engineer or Designee)	(Date)	(Telephone No.)
(Name)		
HQ DEA Environmental Coordinator concurrence(date)	Emai	I concurrence attached.

## Preliminary Environmental Investigation Notes to Support the Conclusions of the PES Form (May Also Include Continuation of Detailed Project Description)

Brief Explanation of How Project Complies, or Will Comply with Applicable Federal Mandate (Part A):
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Continuation of D	Detailed Project Descr	iption:		

Distribution

- 1) Original DLAE, 2) Local Agency Project Manager, 3) DLA Environmental Coordinator
- 4) Senior Environmental Planner (or designee), 5) District PQS