



**CEQA EXEMPTION / NEPA CATEGORICAL EXCLUSION
DETERMINATION FORM (rev. 04/2021)**

Project Information

Project Name (if applicable): SR-1520 Drainage Improvements

DIST-CO-RTE: 05-SB-154

PM/PM: 0.0/32.84

EA: 05-1K520

Federal-Aid Project Number: 0518000216

Project Description

Project construction requires subsurface investigations to determine soil and site conditions by drilling two vertical borings to collect soil samples for laboratory testing and analysis. The purpose of this subsurface investigation is to provide engineering soil properties and to evaluate the current site conditions for design of the culvert replacement. Borings will be conducted over the paved eastbound traffic lane and parking lot at post mile 22.51 on SR-154. (see continuation sheet for more info)

Caltrans CEQA Determination (Check one)

- Not Applicable** – Caltrans is not the CEQA Lead Agency
- Not Applicable** – Caltrans has prepared an IS or EIR under CEQA

Based on an examination of this proposal and supporting information, the project is:

- Exempt by Statute.** (PRC 21080[b]; 14 CCR 15260 et seq.)
- Categorically Exempt. Class 6.** (PRC 21084; 14 CCR 15300 et seq.)
 - No exceptions apply that would bar the use of a categorical exemption (PRC 21084 and 14 CCR 15300.2). See the [SER Chapter 34](#) for exceptions.
- Covered by the Common Sense Exemption.** This project does not fall within an exempt class, but it can be seen with certainty that there is no possibility that the activity may have a significant effect on the environment (14 CCR 15061[b][3].)

Senior Environmental Planner or Environmental Branch Chief

Matt Fowler		05/11/22
Print Name	Signature	Date

Project Manager

Sherri Martin		05/11/22
Print Name	Signature	Date



CEQA EXEMPTION / NEPA CATEGORICAL EXCLUSION DETERMINATION FORM

Caltrans NEPA Determination (Check one)

Not Applicable

Caltrans has determined that this project has no significant impacts on the environment as defined by NEPA, and that there are no unusual circumstances as described in 23 CFR 771.117(b). See SER Chapter 30 for unusual circumstances. As such, the project is categorically excluded from the requirements to prepare an EA or EIS under NEPA and is included under the following:

23 USC 326: Caltrans has been assigned, and hereby certifies that it has carried out the responsibility to make this determination pursuant to 23 USC 326 and the Memorandum of Understanding dated April 18, 2019, executed between FHWA and Caltrans. Caltrans has determined that the project is a Categorical Exclusion under:

- 23 CFR 771.117(c): activity (c)(24)
23 CFR 771.117(d): activity (d)(Enter activity number)
Activity Enter activity number listed in Appendix A of the MOU between FHWA and Caltrans

23 USC 327: Based on an examination of this proposal and supporting information, Caltrans has determined that the project is a Categorical Exclusion under 23 USC 327. The environmental review, consultation, and any other actions required by applicable Federal environmental laws for this project are being, or have been, carried out by Caltrans pursuant to 23 USC 327 and the Memorandum of Understanding dated December 23, 2016 and executed by FHWA and Caltrans.

Senior Environmental Planner or Environmental Branch Chief

Matt Fowler
Print Name
Matthew Fowler
Signature
05/11/22
Date

Project Manager/ DLA Engineer

Sherri Martin
Print Name
Sherri L. Martin
Signature
05/11/22
Date

Date of Categorical Exclusion Checklist completion (if applicable): 05/11/22
Date of Environmental Commitment Record or equivalent: 5/11/22

Briefly list environmental commitments on continuation sheet if needed (i.e., not necessary if included on an attached ECR). Reference additional information, as appropriate (e.g., additional studies and design conditions).



CEQA EXEMPTION / NEPA CATEGORICAL EXCLUSION DETERMINATION FORM

Continuation sheet:

Work Description:

All boring work is anticipated to occur at night, between 8:00 pm and 5:00 am, Monday through Thursday of the work week, as shoulder and lane closures are necessary for site safety. The anticipated duration of onsite activities is one night (9 hours). No overnight storage of supplies or equipment will occur onsite. The soil cuttings will be removed from the site for disposal. The borehole will be abandoned and sealed in accordance with state requirements upon completion. Drilling is tentatively scheduled for May 2022. Additional details on proposed subsurface investigation is found in the included *Division of Engineering Services Geotechnical Services – Description of Subsurface Investigation* memo.

Project Background:

Caltrans proposes to rehabilitate drainage structures, add traffic monitoring systems, and repair pavement on SR-154, between post mile 0.0 to post mile 32.84. Replacement of the culverts located at post mile 22.51 requires subsurface investigations to determine the appropriate design of the new culvert structure based on existing soil and site conditions.

Environmental Conditions:

1. Boring sites will be located within State Right of Way.
2. Boring activities will not require vegetation removal or tree trimming.
3. Access roads will not be required to conduct borings.
4. Any staging for boring related activities will be restricted to pre-disturbed and paved areas.
5. Boring activities will incorporate proper and accepted engineering controls and Best Management Practices.
6. Borings will occur within the proposed boring locations as indicated in the proposed boring materials provided on 4/14/22 (attached).

M e m o r a n d u m*Making Conservation
a California Way of Life.*

To: Catherine Yim
Environmental Workload and Contracts
Department of Transportation - District 5

Date: April 12, 2022

File: 05-SB-154-0.0/32.84
Hwy 154 Drainage
Improvements
EA 05-1K520

From: DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
GEOTECHNICAL SERVICES

Subject: Description of Subsurface Investigation

The following information is provided to assist in obtaining permits for the planned subsurface investigation for the drainage improvements at postmile 22.51 on State Route 154 in Santa Barbara County.

Construction of the replacement culvert requires a subsurface investigation to determine soil and site conditions by drilling two vertical borings, performing in-situ soil testing (Standard Penetration Tests), collecting soil samples for laboratory testing and soil classification, and developing a subsurface soil profile. Borings will be advanced using hollow stem auger and rock coring (if applicable) through the paved eastbound traffic lane and parking lot. Drilling is tentatively scheduled for the end of April, 2022. The following sections summarize the drilling methods, equipment, and sampling details for the proposed subsurface investigation.

Hollow Stem Auger Borings

Hollow stem auger boring is a drilling method that allows for in situ soil testing and sampling of soil. Each hollow stem auger flight is approximately five feet in length, with additional flights added as drilling progresses. Drill rods are normally added each time an auger flight is added. As the boring is advanced, the cuttings are returned to the surface on the continuous auger flights, on the outside of the hollow drill stem. A pilot bit is inserted through the hollow stem, to the cutter head to drill the center of the hole. The drill rod is bolted to the inside of the drive cap with a rod-to-cap adapter so that the pilot bit can turn in tandem with the augers. When the sampling depth is reached, the pilot bit is removed, and the sampler is placed through the drill stem. A split spoon sampler is then driven at the specified sampling depth to obtain a soil sample. With the hollow stem auger method, samples are usually taken every five feet. This is repeated until the final drilling depth is reached. Figure 1 contains images of the hollow stem auger assembly typically used in the field.

No environmental testing is proposed during the subsurface investigation for the drainage improvement project. The purpose of this subsurface investigation is to provide engineering soil properties and to evaluate the current site conditions for design of the replacement culvert. The

soil cuttings will be drummed and removed from the site for disposal. The borehole will be abandoned and sealed in accordance with state and local permit requirements upon completion.



Figure 1: Hollow Stem Continuous Auger Drilling Systems: (a) Comparison with solid stem auger; (b) Typical drilling configuration; (c) Sizes of hollow stem auger flights; (d) Stepwise center bit; (e) Outer bits; (f) outer and inner assembly. (After FHWA, 2002)

Rock Coring

Rock coring technique is used to collect bedrock cores to evaluate type, quality, soundness, strength and other properties of the rock. Rock coring is generally accomplished with a diamond bit attached to a core barrel. Rock core samples are obtained by removing the inner barrel assembly from the core barrel of the drill rod using an overshot retriever.

Different types of core barrels are single-tube, double-tube, or triple-tube, as shown in Figure 2. The standard is a double-tube core barrel, which offers better recovery by isolating the rock core from the drilling fluid stream and consists of an inner and outer core barrel as pictured in Figure 3. The bottommost component of the core barrel assembly is coring bit. The grinding action of this component helps to cut the core from the rock mass. Three basic categories of bits are in use: diamond, carbide insert, and sawtooth (Figure 4).

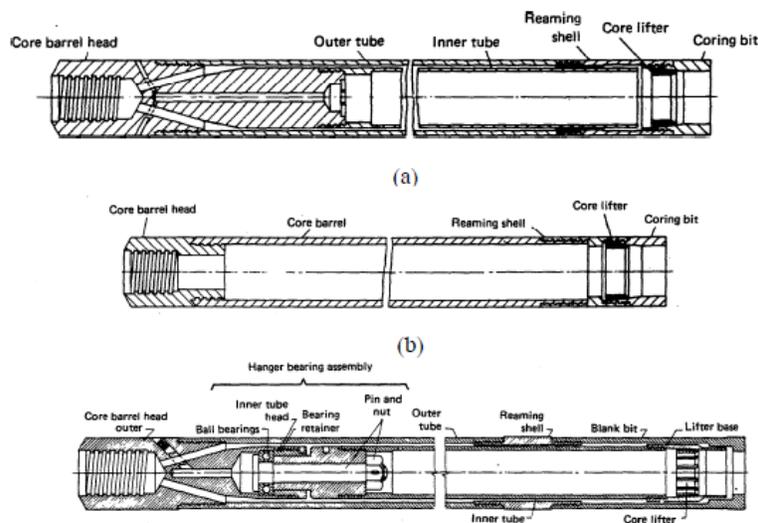


Figure 2: (a) Single Tube Core Barrel; (b) Rigid Type Double Tube Core Barrel; (c) Swivel Type Double Tube Core Barrel, Series “M” with Ball Bearings. (After FHWA, 2002)

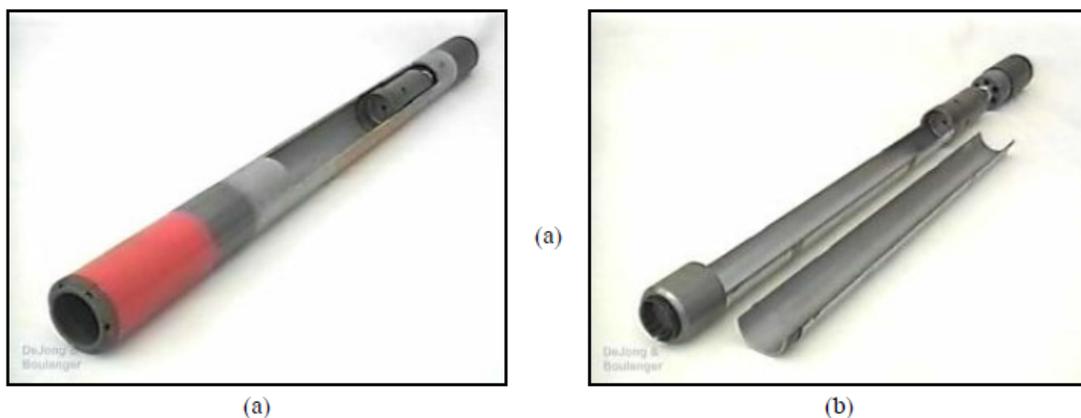


Figure 3: Double Tube Core Barrel. (a) Outer barrel assembly (b) Inner barrel assembly. (After FHWA, 2002)



Figure 4: Coring Bits. From left to right: Diamond, Carbide, & Sawtooth. (After FHWA, 2002)

Standard Penetration Test (SPT)

Standard Penetration Tests (SPT) are performed at 5-foot intervals inside the hollow stem auger flights. A 1.4-inch diameter open-ended steel sampler is driven into the soil at the base of the hole using a 140-pound hammer dropped from a height of 30 inches. The number of blows is counted over three, 6-inch intervals and used to correlate to the relative density and in-situ strength of the soil. Caltrans drill rigs are equipped with auto-hammers, mechanical devices that lift and drop the weight from the same height every time at a constant rate. The theoretical energy of the hammer impact is approximately 350 ft-lb, which is very low compared to impacts from pile foundation driving, which are on the order of 35,000 ft-lb for a typical pile driving hammer, or higher. Figure 5 shows the typical SPT and sampling procedure.

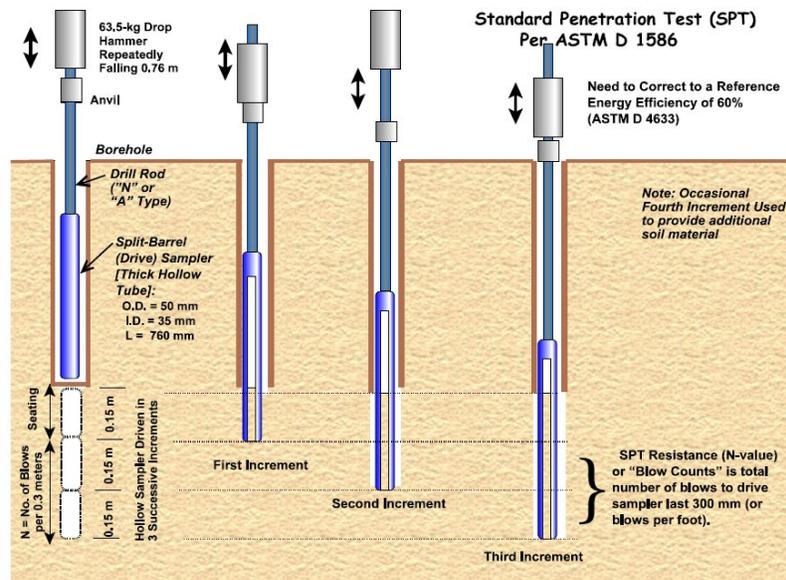


Figure 5: Testing and Sampling Sequence Using a Split-Barrel Sampler During the SPT (After FHWA, 2001).

Additional Information

One truck mounted hollow stem auger drill rig will be required to conduct the drilling at the approximate boring location. The drill rig will be accompanied by two support vehicles. A typical drill crew of three to four field personnel will be on site, along with one representative and vehicle from the Office of Geotechnical Design and one vehicle and certified representative overseeing the proper destruction of the borehole. No overnight storage of supplies or equipment will occur on at the boring location.

All field work is anticipated to occur in night hours between 8:00 pm and 5:00 am (9:00 am to 3:00 pm), Monday through Thursday of the work week, as shoulder and lane closures are necessary for site safety. The anticipated duration of onsite activities is one night (9 hours). Boreholes are typically backfilled with a grout and water mixture and capped in a rapid-set concrete. If this initial batch of grout settles over the next 12 hours, the remaining void is capped off with more grout, further sealing the borehole. Refer to the attached Site Investigation Plan presenting the project area, boring locations and depths. In addition to clearance to perform work in and around the boring location site.

The work will be performed under the direction and oversight of a California licensed C-57 well driller, and the drilling and sealing of borings and soundings will be performed in accordance with State and local requirements to protect groundwater and the environment. Caltrans drill crews are experienced and maintain the expertise, and equipment to perform the work in a responsible manner. References and information about other similar projects are available from the Office of Drilling Services.

References

Mayne, P.W., Christopher, B.R., DeJong J., (2002). "Manual on Subsurface Investigations" FHWA Publication NHI-01-031.

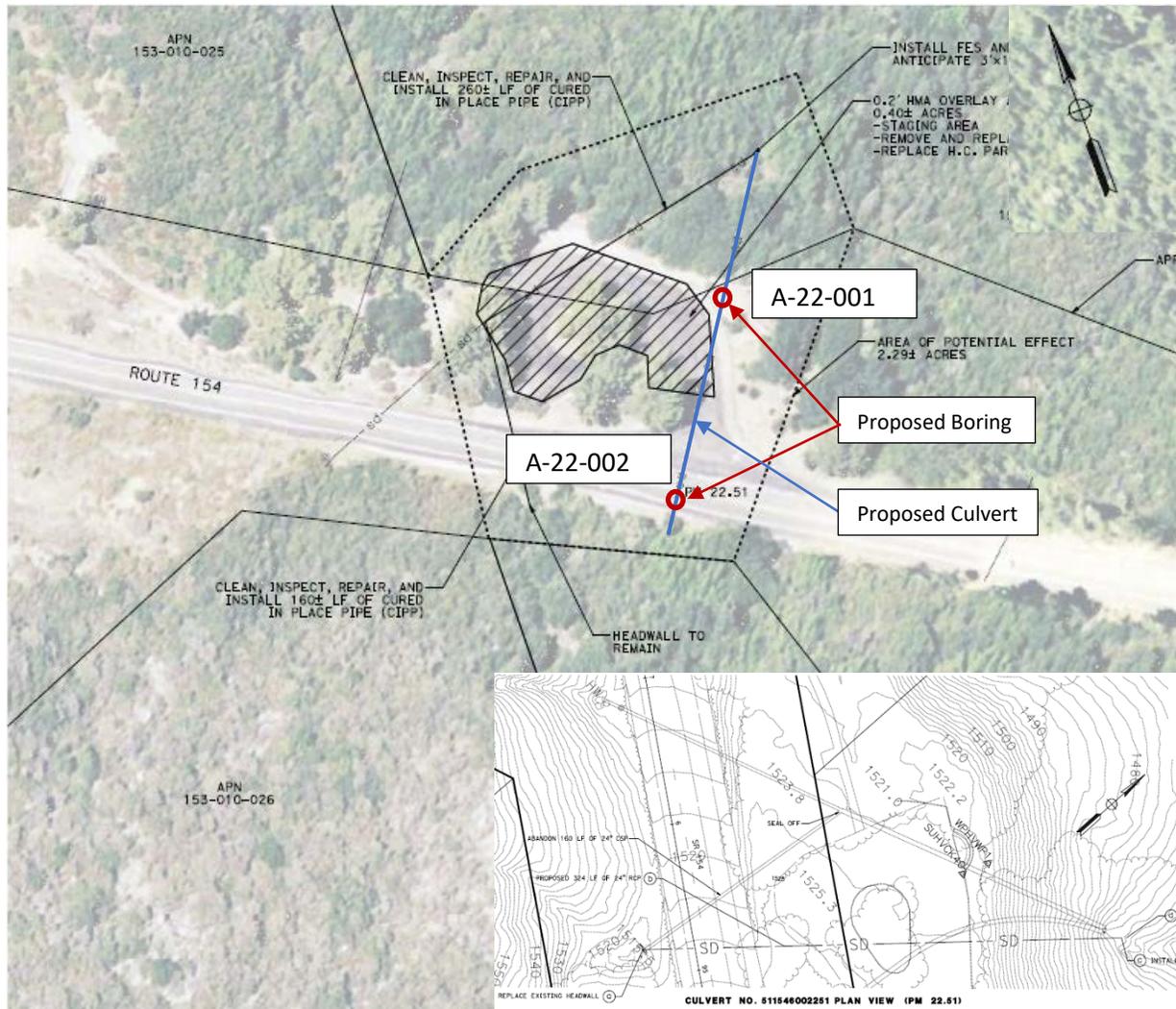
If you have any questions or comments, please contact me, Md Zahangir Alam at (817) 856-7832.



Md Zahangir Alam
Transportation Engineer
Office of Geotechnical Design – West, Branch E

Attachments: *Site Investigation Plan (reviewed by OGDPP)

Site Investigation Plan
 Highway 154 Drainage Improvements
 EA: 05-1K520; EFIS: 0518000216



Proposed Boring Details for Culvert at 05-SB-154-PM22.51: The elevations of inlet and outlet of the proposed culvert are approximately 1,515 feet and 1,470 feet (refer above exhibit).

1. Type of Drilling: Auger Boring/Rock Coring
2. Approx. Coordinates: A-22-001 (34.530898N, 119.842117W) and A-22-002 (34.530560N, 119.842344W)
3. Approx. surface elevations of the borings: 1,525 feet.
4. Depth of Boring: Approx. 50 feet bgs for A-22-001 and 30 feet bgs for A-22-002.
5. Instrumentation: N/A
6. Depth of Groundwater: N/A
7. Sampling and Testing: SPT, CalMod, Rock Core (if needed), Corrosion, Particle Size Distribution, Maximum Laboratory dry density and optimum moisture content, direct shear/Triaxial and consolidation (if needed).
8. Access Route: Shoulder, parking lot and lane closure
9. Utilities and Other Constraints: N/A
10. Permitting Requirements: N/A



Categorical Exclusion Checklist

PROJECT INFORMATION

DIST-CO-RTE: 05-SB-154

PM/PM: 0.0/32.84

Fed. Aid Number (Local Project): 0518000216

EA/Project Number: 05-1K520

SECTION A: Type of CE

Use the information in this section to determine the applicable CE and corresponding activity for this project.

1. Project is a CE under CE Assignment 23 USC 326 (activity must be listed in 23 CFR 771.117 (c) or (d) list (See [Chapter 30 in the SER](#)) or included in activities listed in [Appendix A of the CE Assignment MOU](#) to be eligible for 23 USC 326).

Yes, **Activity:** 24 No

Notes for specific activities:

- **If using (c)9**, distinguish between (c)9(i) or (c)9(ii) on the form and include copy of the emergency declaration in the file.
- **If using (c)22**, identify in the project description that all work is within operational right-of-way.
- **If using (c)23**, distinguish between (c)23(i) and (c)23(ii) on the form.
- **If using (c)26, (c)(27), or (c)(28)**, ensure that the action DOES NOT include any of the constraints found in 23 CFR 771.117(e). If it does, it may not be processed under (c)(26), (c)(27), or (c)(28), however, the project may qualify for a CE under 23 CFR 771.117(d)(13).

2. Project is a CE for a highway project under NEPA Assignment 23 USC 327 (Use only if project does not qualify under CE Assignment 23 USC 326 (activities not included in question 1)).

Yes No

3. Project is a CE under the 2021 Programmatic Agreement for Non-Highway Projects

Yes No

Note, if using this CE, it is not necessary to fill out each section of this checklist. Use only those sections which are applicable to the Programmatic Agreement.

Categorical Exclusion Checklist

4. Independent Utility and Logical Termini

- The project complies with NEPA requirements related to connected actions and segmentation (i.e. the project must have independent utility, connect logical termini when applicable, be usable and be a reasonable expenditure even if no additional transportation improvements in the area are made and not restrict further consideration of alternatives for other reasonably foreseeable transportation improvements). (FHWA Final Rule, "Background," Federal Register Vol. 79, No. 8, January 13, 2014.)
-

5. Categorical Exclusions Defined (23 CFR 771.117[a]).

FHWA regulation 23 CFR 771.117(a) defines categorical exclusions as actions which:

- do not induce significant impacts to planned growth or land use for the area;
- do not require the relocation of significant numbers of people;
- do not have a significant impact on any natural, cultural, recreational, historic or other resources;
- do not involve significant air, noise, or water quality impacts;
- do not have significant impacts on travel patterns; or
- do not otherwise, either individually or cumulatively, have any significant environmental impacts.

- Checking this box certifies that project meets the above definition for a Categorical Exclusion.
-

6. Exceptions to Categorical Exclusions/Unusual Circumstances (23 CFR 771.117[b]).

FHWA regulation 23 CFR 771.117(b) provides that any action which normally would be classified as a CE but could involve *unusual circumstances* requires the Department to conduct appropriate environmental studies to determine if the CE classification is proper. Unusual circumstances include actions that involve:

- Significant environmental impacts;
- Substantial controversy on environmental grounds;
- Significant impact on properties protected by section 4(f) of the DOT Act or section 106 of the National Historic Preservation Act; or
- Inconsistencies with any Federal, State, or local law, requirement or administrative determination relating to the environmental aspects of the action.

All of the above unusual circumstances have been considered in conjunction with this project. (Choose one)

- Checking this box certifies that **none of the above conditions apply** and that the project qualifies for a Categorical Exclusion.
- Checking this box certifies that unusual circumstances **are involved**. However, the appropriate studies/analysis have been completed, and it has been determined that the CE classification is still appropriate.
-

Categorical Exclusion Checklist

SECTION B: Compliance with FHWA NEPA policy to complete all other applicable environmental requirements¹ prior to making the NEPA determination:

During the environmental review process for which this CE was prepared, all applicable environmental requirements were evaluated. Outcomes for the following requirements are identified below and fully documented in the project file. **[NOTE: EVERY SECTION BELOW MUST BE COMPLETED, DO NOT SKIP ANY SECTIONS.]**

FSTIP

- The project description on the Categorical Exemption/Categorical Exclusion Form matches the project description in the FSTIP and RTP, and the appropriate page of the FSTIP is in the project file.

Air Quality

- [Air Quality Conformity Findings Checklist](#) has been completed and project meets all applicable AQ requirements.
- For 23 USC 326 projects which require an air quality conformity determination (this will apply to certain projects under 23 CFR 771.117(c)(22), (c)(23), (c)(26), (c)(27), and (c)(28)), list the date of the Caltrans conformity determination:
- For 23 USC 327 projects, list date of FHWA concurrence on conformity determination:

Cultural Resources

- Section 106 compliance is complete.
- A Screened Undertaking Memo was prepared, or
- A Historic Properties Survey Report was prepared, and the following finding was made:
- No Historic Properties Affected No Adverse Effect with Standard Conditions
- No Adverse Effect Adverse Effect/MOA Phasing/Project PA

Noise

23 CFR 772

- Is this a Type 1 project? Yes No (skip this section.)
- Future noise levels with project either approach or exceed NAC or result in a substantial increase.
- If yes: Abatement is reasonable and feasible
- Abatement is not reasonable or feasible

¹ Please consult the SER for a complete list of applicable laws, statutes, regulations, and executive orders that must be considered before completing the CE.

Categorical Exclusion Checklist

Biology

USFWS

Species List²:

- Not required
 Required, Date: 11/16/21

Effect Determination:

- No Effect Section 7 (Federal Endangered Species Act)

Consultation with USFWS Findings (Effect determination):

- Not Likely to Adversely Affect with USFWS Concurrence. Date: _____³
 Likely to Adversely Affect with Biological Opinion Date: _____³

NOAA Fisheries

Species List²:

- Not required
 Required, Date: 11/16/21

Effect Determination:

- No Effect Section 7 (Federal Endangered Species Act)

Consultation with NOAA Fisheries Findings (Effect determination):

- Not Likely to Adversely Affect with NOAA Fisheries Concurrence. Date: _____³
 Likely to Adversely Affect with Biological Opinion Date: _____³

Essential Fish Habitat (Magnuson-Stevens Act) Findings (Effect determination):

- Magnuson-Stevens Fishery Conservation and Management Act does not apply
 No Adverse Effect Adverse Effect and consultation with NOAA Fisheries

Floodplains

Floodplains (Executive Order #11988)

- No Floodplains No Significant Encroachment Significant Encroachment

² See the "Changes to Species List Requirements" memo (April 9, 2021) for decision tree and information on determining if a list is required and date requirements.

³ If concurrence or BO is expected after PA&ED, enter "Pending" into this field.

Categorical Exclusion Checklist

Waters, Wetlands

Section 404 of the Clean Water Act

Impacts to Waters of the U.S.: No Yes; anticipated approval:

- Nationwide Permit Individual Permit Regional General Permit
 Letter of Permission

Section 401 of the Clean Water Act

- Exemption Certification Not Applicable

Wetland Protection (Executive Order #11990)

- No Wetland Impact
 Permanent Wetland Impact; Only Practicable Alternative Finding is included in a separate document in the project file

Section 4(f) Transportation Act (23 CFR 774)

Section 4(f) regulation was considered as a part of the review for this project and a determination was made:

- Section 4(f) does not apply
- There are no potential Section 4(f) properties in the project vicinity.
 - The properties do not meet the definition of a Section 4(f) property, the project does not “use” a Section 4(f) property, or the project meets the criteria for an exception (e.g., temporary occupancy). Document in project file or CE.
- Section 4(f) applies
- De Minimis
 - Programmatic: Type: List one of the five categories as defined in 23 CFR 774.3
 - Individual:
 - Legal Sufficiency Review complete HQ Coordinator Review Complete

Section 6(f) – Properties Acquired with Land and Water Conservation Fund grants

Was the above property purchased with grant funds from the Land and Water Conservation Fund?

- No, Section 6(f) does not apply. No additional documentation required.
 Yes: Documentation of approval from National Park Service Director (through California State Parks) has been received for the conversion/and replacement of 6(f) property.

Coastal Zone

Coastal Zone Management Act of 1972

- Not in Coastal Zone Qualifies for Exemptions Qualifies for Waiver
 Coastal Permit Required
 Consistent with Federal, State, and Local Coastal Plans Federal Consistency

Categorical Exclusion Checklist

Coast Guard – Bridge Over Navigable Waters of the U.S.

- Not applicable
- 23 USC 144(c) USCG Bridge Permit Exception
- 33 CFR 115.70 Advance Approval
- USCG Bridge Permit

Relocation and Right of Way

Relocations

- No Relocations
- Project involves Enter number relocations and will follow the provisions of the Uniform Relocation Act.

Right of Way Acquisitions/Easements

- No right of way acquisitions or easements
- Project involves Enter number acquisitions and Enter number easements.

Hazardous Waste and Materials

Are hazardous materials or contamination exceeding regulatory thresholds (as set by U.S. EPA, Cal EPA, County Environmental Health, etc.) present? Yes No

If yes, is the nature and extent of the hazardous materials or contamination fully known?

- Yes No

If no, briefly discuss the plan for securing information:

SECTION C: Certification

Based on the information obtained during environmental review process and included in this checklist, the project is determined to be a Categorical Exclusion pursuant to the National Environmental Policy Act and is in compliance with all other applicable environmental laws, regulations, and Executive Orders.

Prepared by:

Geramaldi

Associate Environmental Planner


Signature

05/11/22

Date



Environmental Commitments Record (ECR)

DIST-CO-RTE: 05-SB-154 **PM/PM:** 0.0/32/84 **EA/Project ID.:** 05-1K520_/0518000216
Project Description: Geotechnical Investigation for SR-154 Drainage Rehabilitation Project
Date (Last modification): 05/11/22
Environmental Planner: Geramaldi Geramaldi **Phone No.:** 805-542-4785
Construction Liaison: Mitchell Doucette **Phone No.:** 805-549-3492
Resident Engineer: TBD **Phone No.:**

PERMITS

Permit	Agency	Application Submitted	Permit Received	Permit Expiration	Permit Requirement Completed by:	Permit Requirement Completed on:	Comments
NA							

ENVIRONMENTAL COMMITMENTS

PA&ED

Category	Task and Brief Description	Source	Included in PS&E package	Responsible Branch/Staff	Action to Comply	Due Date	Task Completed by	Task Completed on	Remarks	Mitigation for significant impacts under CEQA?
NA										

PS&E/BEFORE RTL

Category	Task and Brief Description	Source	Included in PS&E package	Responsible Branch/Staff	Action to Comply	Due Date	Task Completed by	Task Completed on	Remarks	Mitigation for significant impacts under CEQA?
NA										

ROW/PURCHASING

Category	Task and Brief Description	Source	Included in PS&E package	Responsible Branch/Staff	Action to Comply	Due Date	Task Completed by	Task Completed on	Remarks	Mitigation for significant impacts under CEQA?
NA										

PRE-CONSTRUCTION

Category	Task and Brief Description	Source	Included in PS&E package	Responsible Branch/Staff	Action to Comply	Due Date	Task Completed by	Task Completed on	Remarks	Mitigation for significant impacts under CEQA?
NA										

Environmental Commitment Record for Geotech Investigation – SR-154 Drainage Rehabilitation

CONSTRUCTION

Category	Task and Brief Description	Source	Included in PS&E package	Responsible Branch/Staff	Action to Comply	Due Date	Task Completed by	Task Completed on	Remarks	Mitigation for significant impacts under CEQA?
Other	Boring sites will be located within State Right of Way	CE/CE	No	Geotech Crew	Enforce during work					No
Biology	Boring Activities will not require vegetation removal or tree trimming.	CE/CE	No	Geotech Crew	Enforce during work					No
Other	Access roads will not be required to conduct borings.	CE/CE	No	Geotech Crew	Enforce during work					No
Biology	Any staging for boring related activities will be restricted to pre-disturbed and paved areas.	CE/CE	No	Geotech Crew	Enforce during work					No
Water Quality	Boring activities will incorporate proper and accepted engineering controls and Best Management Practices.	CE/CE	No	Geotech Crew	Enforce during work					No
Other	Borings will occur within the proposed boring location as indicated in the proposed boring materials provided on 4/14/22.	CE/CE	No	Geotech Crew	Enforce during work					No

POST-CONSTRUCTION

Category	Task and Brief Description	Source	Included in PS&E package	Responsible Branch/Staff	Action to Comply	Due Date	Task Completed by	Task Completed on	Remarks	Mitigation for significant impacts under CEQA?
NA										



Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad< IS >(Zaca Creek (3412062)< OR >Los Olivos (3412061)< OR >Santa Ynez (3412051)< OR >Lake Cachuma (3411958)< OR >San Marcos Pass (3411957)< OR >Goleta (3411947))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Accipiter cooperii</i> Cooper's hawk	ABNKC12040	None	None	G5	S4	WL
<i>Agelaius tricolor</i> tricolored blackbird	ABPBXB0020	None	Threatened	G1G2	S1S2	SSC
<i>Agrostis hooveri</i> Hoover's bent grass	PMPOA040M0	None	None	G2	S2	1B.2
<i>Aimophila ruficeps canescens</i> southern California rufous-crowned sparrow	ABPBX91091	None	None	G5T3	S3	WL
<i>Ambystoma californiense pop. 2</i> California tiger salamander - Santa Barbara County DPS	AAAAA01182	Endangered	Threatened	G2G3T2	S2	WL
<i>Ammodramus savannarum</i> grasshopper sparrow	ABPBXA0020	None	None	G5	S3	SSC
<i>Anniella pulchra</i> Northern California legless lizard	ARACC01020	None	None	G3	S3	SSC
<i>Anomobryum julaceum</i> slender silver moss	NBMUS80010	None	None	G5?	S2	4.2
<i>Antrozous pallidus</i> pallid bat	AMACC10010	None	None	G4	S3	SSC
<i>Aquila chrysaetos</i> golden eagle	ABNKC22010	None	None	G5	S3	FP
<i>Arctostaphylos refugioensis</i> Refugio manzanita	PDERI041B0	None	None	G3	S3	1B.2
<i>Ardea alba</i> great egret	ABNGA04040	None	None	G5	S4	
<i>Ardea herodias</i> great blue heron	ABNGA04010	None	None	G5	S4	
<i>Artemisospiza belli belli</i> Bell's sage sparrow	ABPBX97021	None	None	G5T2T3	S3	WL
<i>Astragalus didymocarpus var. milesianus</i> Miles' milk-vetch	PDFAB0F2X3	None	None	G5T2	S2	1B.2
<i>Athene cunicularia</i> burrowing owl	ABNSB10010	None	None	G4	S3	SSC
<i>Atriplex coulteri</i> Coulter's saltbush	PDCHE040E0	None	None	G3	S1S2	1B.2
<i>Atriplex serenana var. davidsonii</i> Davidson's saltscale	PDCHE041T1	None	None	G5T1	S1	1B.2
<i>Bombus caliginosus</i> obscure bumble bee	IIHYM24380	None	None	G2G3	S1S2	



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Bombus crotchii</i> Crotch bumble bee	IIHYM24480	None	None	G2	S1S2	
<i>Calochortus fimbriatus</i> late-flowered mariposa-lily	PMLIL0D1J2	None	None	G3	S3	1B.3
<i>Caulanthus amplexicaulis var. barbarae</i> Santa Barbara jewelflower	PDBRA0M012	None	None	G4T2	S2	1B.1
<i>Centromadia parryi ssp. australis</i> southern tarplant	PDAST4R0P4	None	None	G3T2	S2	1B.1
<i>Charadrius nivosus nivosus</i> western snowy plover	ABNNB03031	Threatened	None	G3T3	S2	SSC
<i>Cicindela hirticollis gravida</i> sandy beach tiger beetle	IICOL02101	None	None	G5T2	S2	
<i>Coelus globosus</i> globose dune beetle	IICOL4A010	None	None	G1G2	S1S2	
<i>Cordylanthus rigidus ssp. littoralis</i> seaside bird's-beak	PDSCR0J0P2	None	Endangered	G5T2	S2	1B.1
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	AMACC08010	None	None	G4	S2	SSC
<i>Danaus plexippus pop. 1</i> monarch - California overwintering population	IILEPP2012	Candidate	None	G4T2T3	S2S3	
<i>Delphinium umbraculorum</i> umbrella larkspur	PDRAN0B1W0	None	None	G3	S3	1B.3
<i>Elanus leucurus</i> white-tailed kite	ABNKC06010	None	None	G5	S3S4	FP
<i>Emys marmorata</i> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<i>Eremophila alpestris actia</i> California horned lark	ABPAT02011	None	None	G5T4Q	S4	WL
<i>Eucyclogobius newberryi</i> tidewater goby	AFCQN04010	Endangered	None	G3	S3	
<i>Eumops perotis californicus</i> western mastiff bat	AMACD02011	None	None	G4G5T4	S3S4	SSC
<i>Falco mexicanus</i> prairie falcon	ABNKD06090	None	None	G5	S4	WL
<i>Fritillaria ojaiensis</i> Ojai fritillary	PMLILOV0N0	None	None	G3	S3	1B.2
<i>Haliaeetus leucocephalus</i> bald eagle	ABNKC10010	Delisted	Endangered	G5	S3	FP
<i>Horkelia cuneata var. puberula</i> mesa horkelia	PDROS0W045	None	None	G4T1	S1	1B.1
<i>Juncus luciensis</i> Santa Lucia dwarf rush	PMJUN013J0	None	None	G3	S3	1B.2



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Lasiurus blossevillii</i> western red bat	AMACC05060	None	None	G4	S3	SSC
<i>Lasiurus cinereus</i> hoary bat	AMACC05030	None	None	G3G4	S4	
<i>Lasthenia conjugens</i> Contra Costa goldfields	PDAST5L040	Endangered	None	G1	S1	1B.1
<i>Lasthenia glabrata ssp. coulteri</i> Coulter's goldfields	PDAST5L0A1	None	None	G4T2	S2	1B.1
<i>Layia heterotricha</i> pale-yellow layia	PDAST5N070	None	None	G2	S2	1B.1
<i>Lindleriella occidentalis</i> California lindleriella	ICBRA06010	None	None	G2G3	S2S3	
<i>Lonicera subspicata var. subspicata</i> Santa Barbara honeysuckle	PDCPR030R3	None	None	G5T2?	S2?	1B.2
<i>Monardella hypoleuca ssp. hypoleuca</i> white-veined monardella	PDLAM180A5	None	None	G4T3	S3	1B.3
<i>Monardella sinuata ssp. sinuata</i> southern curly-leaved monardella	PDLAM18161	None	None	G3T2	S2	1B.2
<i>Myotis yumanensis</i> Yuma myotis	AMACC01020	None	None	G5	S4	
<i>Nannopterum auritum</i> double-crested cormorant	ABNFD01020	None	None	G5	S4	WL
<i>Neotoma lepida intermedia</i> San Diego desert woodrat	AMAFF08041	None	None	G5T3T4	S3S4	SSC
<i>Oncorhynchus mykiss irideus pop. 10</i> steelhead - southern California DPS	AFCHA0209J	Endangered	None	G5T1Q	S1	
<i>Passerculus sandwichensis beldingi</i> Belding's savannah sparrow	ABPBX99015	None	Endangered	G5T3	S3	
<i>Pelecanus occidentalis californicus</i> California brown pelican	ABNFC01021	Delisted	Delisted	G4T3T4	S3	FP
<i>Phrynosoma blainvillii</i> coast horned lizard	ARACF12100	None	None	G3G4	S3S4	SSC
<i>Pleuridium mexicanum</i> Mexican earthmoss	NBMUS5M080	None	None	G5	S1	2B.1
<i>Progne subis</i> purple martin	ABPAU01010	None	None	G5	S3	SSC
<i>Rallus obsoletus levipes</i> light-footed Ridgway's rail	ABNME05014	Endangered	Endangered	G3T1T2	S1	FP
<i>Rana boylei</i> foothill yellow-legged frog	AAABH01050	None	Endangered	G3	S3	SSC
<i>Rana draytonii</i> California red-legged frog	AAABH01022	Threatened	None	G2G3	S2S3	SSC



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Riparia riparia</i> bank swallow	ABPAU08010	None	Threatened	G5	S2	
<i>Salvadora hexalepis virgultea</i> coast patch-nosed snake	ARADB30033	None	None	G5T4	S2S3	SSC
<i>Scrophularia atrata</i> black-flowered figwort	PDSCR1S010	None	None	G2?	S2?	1B.2
<i>Senecio aphanactis</i> chaparral ragwort	PDAST8H060	None	None	G3	S2	2B.2
<i>Southern California Steelhead Stream</i> Southern California Steelhead Stream	CARE2310CA	None	None	GNR	SNR	
<i>Southern Coast Live Oak Riparian Forest</i> Southern Coast Live Oak Riparian Forest	CTT61310CA	None	None	G4	S4	
<i>Southern Coastal Salt Marsh</i> Southern Coastal Salt Marsh	CTT52120CA	None	None	G2	S2.1	
<i>Southern Cottonwood Willow Riparian Forest</i> Southern Cottonwood Willow Riparian Forest	CTT61330CA	None	None	G3	S3.2	
<i>Southern Vernal Pool</i> Southern Vernal Pool	CTT44300CA	None	None	GNR	SNR	
<i>Southern Willow Scrub</i> Southern Willow Scrub	CTT63320CA	None	None	G3	S2.1	
<i>Spea hammondii</i> western spadefoot	AAABF02020	None	None	G2G3	S3	SSC
<i>Sternula antillarum browni</i> California least tern	ABNNM08103	Endangered	Endangered	G4T2T3Q	S2	FP
<i>Suaeda esteroa</i> estuary seablite	PDCHE0P0D0	None	None	G3	S2	1B.2
<i>Taricha torosa</i> Coast Range newt	AAAAF02032	None	None	G4	S4	SSC
<i>Taxidea taxus</i> American badger	AMAJF04010	None	None	G5	S3	SSC
<i>Thamnophis hammondii</i> two-striped gartersnake	ARADB36160	None	None	G4	S3S4	SSC
<i>Thelypteris puberula var. sonorensis</i> Sonoran maiden fern	PPTHE05192	None	None	G5T3	S2	2B.2
<i>Thermopsis macrophylla</i> Santa Ynez false lupine	PDFAB3Z0E0	None	Rare	G1	S1	1B.3
<i>Tryonia imitator</i> mimic tryonia (=California brackishwater snail)	IMGASJ7040	None	None	G2	S2	
<i>Vireo bellii pusillus</i> least Bell's vireo	ABPBW01114	Endangered	Endangered	G5T2	S2	

Record Count: 81



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Ventura Fish And Wildlife Office
2493 Portola Road, Suite B
Ventura, CA 93003-7726
Phone: (805) 644-1766 Fax: (805) 644-3958

In Reply Refer To:

May 09, 2022

Project Code: 2022-0040871

Project Name: Caltrans 05-1K520 SR-154 Drainage Improvements

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed list identifies species listed as threatened and endangered, species proposed for listing as threatened or endangered, designated and proposed critical habitat, and species that are candidates for listing that may occur within the boundary of the area you have indicated using the U.S. Fish and Wildlife Service's (Service) Information Planning and Conservation System (IPaC). The species list fulfills the requirements under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.). Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the species list should be verified after 90 days. We recommend that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists following the same process you used to receive the enclosed list. Please include the Consultation Tracking Number in the header of this letter with any correspondence about the species list.

Due to staff shortages and excessive workload, we are unable to provide an official list more specific to your area. Numerous other sources of information are available for you to narrow the list to the habitats and conditions of the site in which you are interested. For example, we recommend conducting a biological site assessment or surveys for plants and animals that could help refine the list.

If a Federal agency is involved in the project, that agency has the responsibility to review its proposed activities and determine whether any listed species may be affected. If the project is a major construction project*, the Federal agency has the responsibility to prepare a biological assessment to make a determination of the effects of the action on the listed species or critical habitat. If the Federal agency determines that a listed species or critical habitat is likely to be adversely affected, it should request, in writing through our office, formal consultation pursuant to section 7 of the Act. Informal consultation may be used to exchange information and resolve conflicts with respect to threatened or endangered species or their critical habitat prior to a written request for formal consultation. During this review process, the Federal agency may

engage in planning efforts but may not make any irreversible commitment of resources. Such a commitment could constitute a violation of section 7(d) of the Act.

Federal agencies are required to confer with the Service, pursuant to section 7(a)(4) of the Act, when an agency action is likely to jeopardize the continued existence of any proposed species or result in the destruction or adverse modification of proposed critical habitat (50 CFR 402.10(a)). A request for formal conference must be in writing and should include the same information that would be provided for a request for formal consultation. Conferences can also include discussions between the Service and the Federal agency to identify and resolve potential conflicts between an action and proposed species or proposed critical habitat early in the decision-making process. The Service recommends ways to minimize or avoid adverse effects of the action. These recommendations are advisory because the jeopardy prohibition of section 7(a)(2) of the Act does not apply until the species is listed or the proposed critical habitat is designated. The conference process fulfills the need to inform Federal agencies of possible steps that an agency might take at an early stage to adjust its actions to avoid jeopardizing a proposed species.

When a proposed species or proposed critical habitat may be affected by an action, the lead Federal agency may elect to enter into formal conference with the Service even if the action is not likely to jeopardize or result in the destruction or adverse modification of proposed critical habitat. If the proposed species is listed or the proposed critical habitat is designated after completion of the conference, the Federal agency may ask the Service, in writing, to confirm the conference as a formal consultation. If the Service reviews the proposed action and finds that no significant changes in the action as planned or in the information used during the conference have occurred, the Service will confirm the conference as a formal consultation on the project and no further section 7 consultation will be necessary. Use of the formal conference process in this manner can prevent delays in the event the proposed species is listed or the proposed critical habitat is designated during project development or implementation.

Candidate species are those species presently under review by the Service for consideration for Federal listing. Candidate species should be considered in the planning process because they may become listed or proposed for listing prior to project completion. Preparation of a biological assessment, as described in section 7(c) of the Act, is not required for candidate species. If early evaluation of your project indicates that it is likely to affect a candidate species, you may wish to request technical assistance from this office.

Only listed species receive protection under the Act. However, sensitive species should be considered in the planning process in the event they become listed or proposed for listing prior to project completion. We recommend that you review information in the California Department of Fish and Wildlife's Natural Diversity Data Base. You can contact the California Department of Fish and Wildlife at (916) 324-3812 for information on other sensitive species that may occur in this area.

[*A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)).

For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Ventura Fish And Wildlife Office

2493 Portola Road, Suite B

Ventura, CA 93003-7726

(805) 644-1766

Project Summary

Project Code: 2022-0040871

Event Code: None

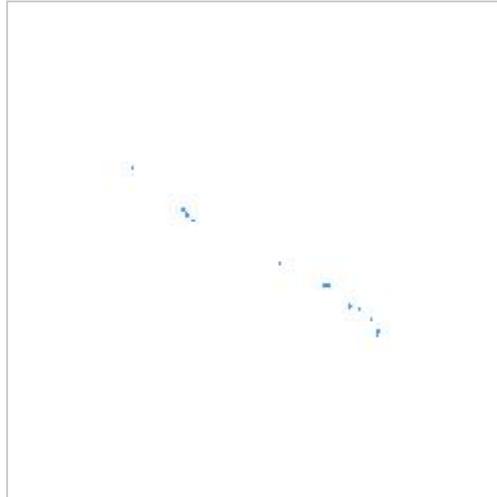
Project Name: Caltrans 05-1K520 SR-154 Drainage Improvements

Project Type: Culvert Repair/Replacement/Maintenance

Project Description: The proposed State Route (SR) 154 Drainages Improvements Project is located at various spot locations along SR-154 in Santa Barbara County from post mile (PM) R0.10 to 30.29. The project will restore multiple culvert systems, make improvements to transportation management systems, and include a 2-inch hot mix overlay at the Rancho Cielo (Cold Springs) Vista Point.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@34.5206577,-119.82880525537456,14z>



Counties: Santa Barbara County, California

Endangered Species Act Species

There is a total of 17 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.
-

Birds

NAME	STATUS
California Condor <i>Gymnogyps californianus</i> Population: U.S.A. only, except where listed as an experimental population There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/8193	Endangered
California Least Tern <i>Sterna antillarum browni</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8104	Endangered
Least Bell's Vireo <i>Vireo bellii pusillus</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/5945	Endangered
Light-footed Clapper Rail <i>Rallus longirostris levipes</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6035	Endangered
Marbled Murrelet <i>Brachyramphus marmoratus</i> Population: U.S.A. (CA, OR, WA) There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/4467	Threatened
Southwestern Willow Flycatcher <i>Empidonax traillii extimus</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/6749	Endangered
Western Snowy Plover <i>Charadrius nivosus nivosus</i> Population: Pacific Coast population DPS-U.S.A. (CA, OR, WA), Mexico (within 50 miles of Pacific coast) There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/8035	Threatened

Amphibians

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2891	Threatened
California Tiger Salamander <i>Ambystoma californiense</i> Population: U.S.A. (CA - Santa Barbara County) There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/2076	Endangered
Foothill Yellow-legged Frog <i>Rana boylei</i> Population: South Coast Distinct Population Segment (South Coast DPS) No critical habitat has been designated for this species.	Proposed Endangered

Fishes

NAME	STATUS
Tidewater Goby <i>Eucyclogobius newberryi</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/57	Endangered

Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

Crustaceans

NAME	STATUS
Vernal Pool Fairy Shrimp <i>Branchinecta lynchi</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/498	Threatened

Flowering Plants

NAME	STATUS
Contra Costa Goldfields <i>Lasthenia conjugens</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/7058	Endangered
Gambel's Watercress <i>Rorippa gambellii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4201	Endangered
Marsh Sandwort <i>Arenaria paludicola</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2229	Endangered
Salt Marsh Bird's-beak <i>Cordylanthus maritimus ssp. maritimus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6447	Endangered

Critical habitats

There is 1 critical habitat wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> https://ecos.fws.gov/ecp/species/2891#crithab	Final

IPaC User Contact Information

Agency: California Department of Transportation

Name: Audrey Weichert

Address: 50 South Higuera Street

City: San Luis Obispo

State: CA

Zip: 93401

Email audrey.weichert@dot.ca.gov

Phone: 8054401115

Weichert, Audrey@DOT

From: NMFS SpeciesList - NOAA Service Account <nmfs.wcrca.specieslist@noaa.gov>
Sent: Monday, May 9, 2022 2:36 PM
To: Weichert, Audrey@DOT
Subject: Federal ESA - - NOAA Fisheries Species List RE: Caltrans 05-1K520 Hwy 154 Drainage Improvement Project

EXTERNAL EMAIL. Links/attachments may not be safe.

Please retain a copy of each email request that you send to NOAA at nmfs.wcrca.specieslist@noaa.gov as proof of your official Endangered Species Act SPECIES LIST. The email you send to NOAA should include the following information: your first and last name; email address; phone number; federal agency name (or delegated state agency such as Caltrans); mailing address; project title; brief description of the project; and a copy of a list of threatened or endangered species identified within specified geographic areas derived from the NOAA Fisheries, West Coast Region, California Species List Tool. You may only receive this instruction once per week. If you have questions, contact your local NOAA Fisheries liaison.

Weichert, Audrey@DOT

From: Weichert, Audrey@DOT
Sent: Monday, May 9, 2022 2:36 PM
To: nmfs.wcrca.specieslist@noaa.gov
Subject: RE: Caltrans 05-1K520 Hwy 154 Drainage Improvement Project

Species List Request

Project Description:

The proposed State Route (SR) 154 Drainages Improvements Project is located at various spot locations along SR-154 in Santa Barbara County from post mile (PM) R0.10 to 30.29. The project will restore 18 culvert systems, make improvements to transportation management systems, and include a 2-inch hot mix overlay at the Rancho Cielo (Cold Springs) Vista Point.

Project Contact:

Audrey Weichert, Associate Biologist
Caltrans District 5
805-459-2227
audrey.weichert@dot.ca.gov

Quad Name **Zaca Creek**
Quad Number **34120-F2**

ESA Anadromous Fish

- SONCC Coho ESU (T) -
- CCC Coho ESU (E) -
- CC Chinook Salmon ESU (T) -
- CVSR Chinook Salmon ESU (T) -
- SRWR Chinook Salmon ESU (E) -
- NC Steelhead DPS (T) -
- CCC Steelhead DPS (T) -
- SCCC Steelhead DPS (T) -
- SC Steelhead DPS (E) - **X**
- CCV Steelhead DPS (T) -
- Eulachon (T) -
- sDPS Green Sturgeon (T) -

ESA Anadromous Fish Critical Habitat

- SONCC Coho Critical Habitat -
- CCC Coho Critical Habitat -
- CC Chinook Salmon Critical Habitat -

CVSR Chinook Salmon Critical Habitat -
SRWR Chinook Salmon Critical Habitat -
NC Steelhead Critical Habitat -
CCC Steelhead Critical Habitat -
SCCC Steelhead Critical Habitat -
SC Steelhead Critical Habitat -
CCV Steelhead Critical Habitat -
Eulachon Critical Habitat -
sDPS Green Sturgeon Critical Habitat -

ESA Marine Invertebrates

Range Black Abalone (E) -
Range White Abalone (E) -

ESA Marine Invertebrates Critical Habitat

Black Abalone Critical Habitat -

ESA Sea Turtles

East Pacific Green Sea Turtle (T) -
Olive Ridley Sea Turtle (T/E) -
Leatherback Sea Turtle (E) -
North Pacific Loggerhead Sea Turtle (E) -

ESA Whales

Blue Whale (E) -
Fin Whale (E) -
Humpback Whale (E) -
Southern Resident Killer Whale (E) -
North Pacific Right Whale (E) -
Sei Whale (E) -
Sperm Whale (E) -

ESA Pinnipeds

Guadalupe Fur Seal (T) -
Steller Sea Lion Critical Habitat -

Essential Fish Habitat

Coho EFH -
Chinook Salmon EFH -
Groundfish EFH -

Coastal Pelagics EFH -
Highly Migratory Species EFH -

MMPA Species (See list at left)

ESA and MMPA Cetaceans/Pinnipeds

**See list at left and consult the NMFS Long Beach office
562-980-4000**

MMPA Cetaceans -
MMPA Pinnipeds -

Quad Name **Los Olivos**

Quad Number **34120-F1**

ESA Anadromous Fish

SONCC Coho ESU (T) -
CCC Coho ESU (E) -
CC Chinook Salmon ESU (T) -
CVSR Chinook Salmon ESU (T) -
SRWR Chinook Salmon ESU (E) -
NC Steelhead DPS (T) -
CCC Steelhead DPS (T) -
SCCC Steelhead DPS (T) -
SC Steelhead DPS (E) - **X**
CCV Steelhead DPS (T) -
Eulachon (T) -
sDPS Green Sturgeon (T) -

ESA Anadromous Fish Critical Habitat

SONCC Coho Critical Habitat -
CCC Coho Critical Habitat -
CC Chinook Salmon Critical Habitat -
CVSR Chinook Salmon Critical Habitat -
SRWR Chinook Salmon Critical Habitat -
NC Steelhead Critical Habitat -
CCC Steelhead Critical Habitat -
SCCC Steelhead Critical Habitat -
SC Steelhead Critical Habitat -
CCV Steelhead Critical Habitat -
Eulachon Critical Habitat -
sDPS Green Sturgeon Critical Habitat -

ESA Marine Invertebrates

Range Black Abalone (E) -

Range White Abalone (E) -

ESA Marine Invertebrates Critical Habitat

Black Abalone Critical Habitat -

ESA Sea Turtles

East Pacific Green Sea Turtle (T) -

Olive Ridley Sea Turtle (T/E) -

Leatherback Sea Turtle (E) -

North Pacific Loggerhead Sea Turtle (E) -

ESA Whales

Blue Whale (E) -

Fin Whale (E) -

Humpback Whale (E) -

Southern Resident Killer Whale (E) -

North Pacific Right Whale (E) -

Sei Whale (E) -

Sperm Whale (E) -

ESA Pinnipeds

Guadalupe Fur Seal (T) -

Steller Sea Lion Critical Habitat -

Essential Fish Habitat

Coho EFH -

Chinook Salmon EFH -

Groundfish EFH -

Coastal Pelagics EFH -

Highly Migratory Species EFH -

MMPA Species (See list at left)

ESA and MMPA Cetaceans/Pinnipeds

**See list at left and consult the NMFS Long Beach office
562-980-4000**

MMPA Cetaceans -

MMPA Pinnipeds -

Quad Name **Santa Ynez**

Quad Number **34120-E1**

ESA Anadromous Fish

SONCC Coho ESU (T) -

CCC Coho ESU (E) -

CC Chinook Salmon ESU (T) -

CVSR Chinook Salmon ESU (T) -

SRWR Chinook Salmon ESU (E) -

NC Steelhead DPS (T) -

CCC Steelhead DPS (T) -

SCCC Steelhead DPS (T) -

SC Steelhead DPS (E) - **X**

CCV Steelhead DPS (T) -

Eulachon (T) -

sDPS Green Sturgeon (T) -

ESA Anadromous Fish Critical Habitat

SONCC Coho Critical Habitat -

CCC Coho Critical Habitat -

CC Chinook Salmon Critical Habitat -

CVSR Chinook Salmon Critical Habitat -

SRWR Chinook Salmon Critical Habitat -

NC Steelhead Critical Habitat -

CCC Steelhead Critical Habitat -

SCCC Steelhead Critical Habitat -

SC Steelhead Critical Habitat - **X**

CCV Steelhead Critical Habitat -

Eulachon Critical Habitat -

sDPS Green Sturgeon Critical Habitat -

ESA Marine Invertebrates

Range Black Abalone (E) -

Range White Abalone (E) -

ESA Marine Invertebrates Critical Habitat

Black Abalone Critical Habitat -

ESA Sea Turtles

East Pacific Green Sea Turtle (T) -
Olive Ridley Sea Turtle (T/E) -
Leatherback Sea Turtle (E) -
North Pacific Loggerhead Sea Turtle (E) -

ESA Whales

Blue Whale (E) -
Fin Whale (E) -
Humpback Whale (E) -
Southern Resident Killer Whale (E) -
North Pacific Right Whale (E) -
Sei Whale (E) -
Sperm Whale (E) -

ESA Pinnipeds

Guadalupe Fur Seal (T) -

Steller Sea Lion Critical Habitat -

Essential Fish Habitat

Coho EFH -
Chinook Salmon EFH -
Groundfish EFH -
Coastal Pelagics EFH -
Highly Migratory Species EFH -

MMPA Species (See list at left)

ESA and MMPA Cetaceans/Pinnipeds

**See list at left and consult the NMFS Long Beach office
562-980-4000**

MMPA Cetaceans -
MMPA Pinnipeds -

Quad Name **Lake Cachuma**
Quad Number **34119-E8**

ESA Anadromous Fish

SONCC Coho ESU (T) -
CCC Coho ESU (E) -
CC Chinook Salmon ESU (T) -
CVSR Chinook Salmon ESU (T) -
SRWR Chinook Salmon ESU (E) -
NC Steelhead DPS (T) -
CCC Steelhead DPS (T) -
SCCC Steelhead DPS (T) -
SC Steelhead DPS (E) - **X**
CCV Steelhead DPS (T) -
Eulachon (T) -
sDPS Green Sturgeon (T) -

ESA Anadromous Fish Critical Habitat

SONCC Coho Critical Habitat -
CCC Coho Critical Habitat -
CC Chinook Salmon Critical Habitat -
CVSR Chinook Salmon Critical Habitat -
SRWR Chinook Salmon Critical Habitat -
NC Steelhead Critical Habitat -
CCC Steelhead Critical Habitat -
SCCC Steelhead Critical Habitat -
SC Steelhead Critical Habitat - **X**
CCV Steelhead Critical Habitat -
Eulachon Critical Habitat -
sDPS Green Sturgeon Critical Habitat -

ESA Marine Invertebrates

Range Black Abalone (E) -
Range White Abalone (E) -

ESA Marine Invertebrates Critical Habitat

Black Abalone Critical Habitat -

ESA Sea Turtles

East Pacific Green Sea Turtle (T) -
Olive Ridley Sea Turtle (T/E) -
Leatherback Sea Turtle (E) -
North Pacific Loggerhead Sea Turtle (E) -

ESA Whales

Blue Whale (E) -
Fin Whale (E) -
Humpback Whale (E) -
Southern Resident Killer Whale (E) -
North Pacific Right Whale (E) -
Sei Whale (E) -
Sperm Whale (E) -

ESA Pinnipeds

Guadalupe Fur Seal (T) -

Steller Sea Lion Critical Habitat -

Essential Fish Habitat

Coho EFH -
Chinook Salmon EFH -
Groundfish EFH -
Coastal Pelagics EFH -
Highly Migratory Species EFH -

MMPA Species (See list at left)

ESA and MMPA Cetaceans/Pinnipeds

**See list at left and consult the NMFS Long Beach office
562-980-4000**

MMPA Cetaceans -
MMPA Pinnipeds -

Quad Name **San Marcos Pass**

Quad Number **34119-E7**

ESA Anadromous Fish

SONCC Coho ESU (T) -
CCC Coho ESU (E) -
CC Chinook Salmon ESU (T) -
CVSR Chinook Salmon ESU (T) -
SRWR Chinook Salmon ESU (E) -
NC Steelhead DPS (T) -
CCC Steelhead DPS (T) -
SCCC Steelhead DPS (T) -

SC Steelhead DPS (E) - **X**
CCV Steelhead DPS (T) -
Eulachon (T) -
sDPS Green Sturgeon (T) -

ESA Anadromous Fish Critical Habitat

SONCC Coho Critical Habitat -
CCC Coho Critical Habitat -
CC Chinook Salmon Critical Habitat -
CVSR Chinook Salmon Critical Habitat -
SRWR Chinook Salmon Critical Habitat -
NC Steelhead Critical Habitat -
CCC Steelhead Critical Habitat -
SCCC Steelhead Critical Habitat -
SC Steelhead Critical Habitat -
CCV Steelhead Critical Habitat -
Eulachon Critical Habitat -
sDPS Green Sturgeon Critical Habitat -

ESA Marine Invertebrates

Range Black Abalone (E) -
Range White Abalone (E) -

ESA Marine Invertebrates Critical Habitat

Black Abalone Critical Habitat -

ESA Sea Turtles

East Pacific Green Sea Turtle (T) -
Olive Ridley Sea Turtle (T/E) -
Leatherback Sea Turtle (E) -
North Pacific Loggerhead Sea Turtle (E) -

ESA Whales

Blue Whale (E) -
Fin Whale (E) -
Humpback Whale (E) -
Southern Resident Killer Whale (E) -
North Pacific Right Whale (E) -
Sei Whale (E) -
Sperm Whale (E) -

ESA Pinnipeds

Guadalupe Fur Seal (T) -
Steller Sea Lion Critical Habitat -

Essential Fish Habitat

Coho EFH -
Chinook Salmon EFH -
Groundfish EFH -
Coastal Pelagics EFH -
Highly Migratory Species EFH -

MMPA Species (See list at left)

ESA and MMPA Cetaceans/Pinnipeds

**See list at left and consult the NMFS Long Beach office
562-980-4000**

MMPA Cetaceans -
MMPA Pinnipeds -

Quad Name **Goleta**
Quad Number **34119-D7**

ESA Anadromous Fish

SONCC Coho ESU (T) -
CCC Coho ESU (E) -
CC Chinook Salmon ESU (T) -
CVSR Chinook Salmon ESU (T) -
SRWR Chinook Salmon ESU (E) -
NC Steelhead DPS (T) -
CCC Steelhead DPS (T) -
SCCC Steelhead DPS (T) -
SC Steelhead DPS (E) - **X**
CCV Steelhead DPS (T) -
Eulachon (T) -
sDPS Green Sturgeon (T) - **X**

ESA Anadromous Fish Critical Habitat

SONCC Coho Critical Habitat -
CCC Coho Critical Habitat -

CC Chinook Salmon Critical Habitat -
CVSR Chinook Salmon Critical Habitat -
SRWR Chinook Salmon Critical Habitat -
NC Steelhead Critical Habitat -
CCC Steelhead Critical Habitat -
SCCC Steelhead Critical Habitat -
SC Steelhead Critical Habitat - **X**
CCV Steelhead Critical Habitat -
Eulachon Critical Habitat -
sDPS Green Sturgeon Critical Habitat -

ESA Marine Invertebrates

Range Black Abalone (E) - **X**
Range White Abalone (E) - **X**

ESA Marine Invertebrates Critical Habitat

Black Abalone Critical Habitat -

ESA Sea Turtles

East Pacific Green Sea Turtle (T) - **X**
Olive Ridley Sea Turtle (T/E) - **X**
Leatherback Sea Turtle (E) - **X**
North Pacific Loggerhead Sea Turtle (E) - **X**

ESA Whales

Blue Whale (E) - **X**
Fin Whale (E) - **X**
Humpback Whale (E) - **X**
Southern Resident Killer Whale (E) - **X**
North Pacific Right Whale (E) - **X**
Sei Whale (E) - **X**
Sperm Whale (E) - **X**

ESA Pinnipeds

Guadalupe Fur Seal (T) - **X**
Steller Sea Lion Critical Habitat -

Essential Fish Habitat

Coho EFH -

Chinook Salmon EFH -

Groundfish EFH - **X**

Coastal Pelagics EFH - **X**

Highly Migratory Species EFH - **X**

MMPA Species (See list at left)

ESA and MMPA Cetaceans/Pinnipeds

See list at left and consult the NMFS Long Beach office

562-980-4000

MMPA Cetaceans - **X**

MMPA Pinnipeds - **X**